

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050119\
 Data File : BM020098.D
 Acq On : 01 May 2019 19:53
 Operator : JU/SJ
 Sample : IDOCSOIL-HP4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 IDOCSOIL-HP4

Manual Integrations
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Sohil
 5/2/2019 4:55:31 PM

Quant Time: May 02 02:32:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:58:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	134601	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	511866	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	299829	20.00	ng	0.00
64) Phenanthrene-d10	17.18	188	687925	20.00	ng	0.00
76) Chrysene-d12	21.36	240	616917	20.00	ng	0.00
87) Perylene-d12	23.65	264	548437	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	1155964	140.38	ng	0.00
7) Phenol-d6	6.96	99	1538237	136.74	ng	0.00
23) Nitrobenzene-d5	8.96	82	978509	75.47	ng	0.00
42) 2,4,6-Tribromophenol	15.92	330	627767	134.89	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	1887622	77.46	ng	0.00
79) Terphenyl-d14	19.80	244	2930464	82.85	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.31	88	139808	34.618	ng	96
3) Pyridine	3.70	79	343562	33.262	ng	98
4) n-Nitrosodimethylamine	3.62	42	127889	38.612	ng	93
6) Aniline	7.13	93	457435	32.302	ng	98
8) 2-Chlorophenol	7.35	128	353555	39.432	ng	97
9) Benzaldehyde	6.94	77	257663	30.262	ng	98
10) Phenol	6.98	94	470998	38.892	ng	98
11) bis(2-Chloroethyl)ether	7.22	93	339862	38.611	ng	99
12) 1,3-Dichlorobenzene	7.67	146	392373	37.612	ng	99
13) 1,4-Dichlorobenzene	7.83	146	399483	37.907	ng	99
14) 1,2-Dichlorobenzene	8.14	146	380461	37.894	ng	96
15) Benzyl Alcohol	8.03	79	407841	37.598	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.32	45	265861	36.426	ng	96
17) 2-Methylphenol	8.22	107	306457	39.310	ng	98
18) Hexachloroethane	8.86	117	161956	36.858	ng	98
19) n-Nitroso-di-n-propylamine	8.60	70	353085	36.686	ng	97
20) 3+4-Methylphenols	8.55	107	399809	38.587	ng	98
22) Acetophenone	8.62	105	570583	40.787	ng	# 97
24) Nitrobenzene	9.00	77	519639	38.656	ng	98
25) Isophorone	9.52	82	853700	38.183	ng	99
26) 2-Nitrophenol	9.70	139	165498	40.780	ng	98
27) 2,4-Dimethylphenol	9.75	122	308389	45.643	ng	99
28) bis(2-Chloroethoxy)methane	10.00	93	471615	38.730	ng	100
29) 2,4-Dichlorophenol	10.23	162	348333	40.885	ng	98
30) 1,2,4-Trichlorobenzene	10.45	180	417798	39.854	ng	99
31) Naphthalene	10.63	128	1032957	38.887	ng	99
32) Benzoic acid	9.87	122	169062	36.935	ng	95
33) 4-Chloroaniline	10.75	127	233889	21.393	ng	96
34) Hexachlorobutadiene	10.90	225	289250	39.004	ng	98
35) Caprolactam	11.53	113	91366m	35.864	ng	
36) 4-Chloro-3-methylphenol	11.86	107	371421	37.097	ng	94
37) 2-Methylnaphthalene	12.25	142	768192	39.669	ng	100
38) 1-Methylnaphthalene	12.47	142	727059	38.395	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.61	216	495739	42.261	ng	99

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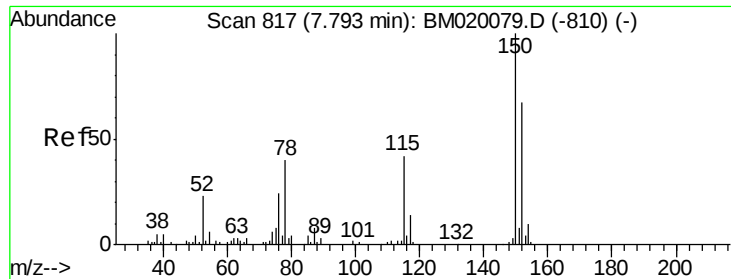
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.58	237	645836	93.505	ng	99
43) 2,4,6-Trichlorophenol	12.85	196	291461	43.719	ng	100
44) 2,4,5-Trichlorophenol	12.92	196	313617	42.109	ng	96
46) 1,1'-Biphenyl	13.26	154	996921	40.396	ng	98
47) 2-Chloronaphthalene	13.30	162	792899	40.240	ng	99
48) 2-Nitroaniline	13.52	65	266879	38.044	ng	98
49) Acenaphthylene	14.16	152	1196818	37.953	ng	99
50) Dimethylphthalate	13.89	163	978348	38.392	ng	99
51) 2,6-Dinitrotoluene	14.02	165	206676	38.507	ng	99
52) Acenaphthene	14.50	154	709721	39.247	ng	99
53) 3-Nitroaniline	14.35	138	125570	25.207	ng	92
54) 2,4-Dinitrophenol	14.55	184	225833	83.577	ng	97
55) Dibenzofuran	14.83	168	1176148	38.559	ng	99
56) 4-Nitrophenol	14.65	139	329014	77.411	ng	94
57) 2,4-Dinitrotoluene	14.80	165	281498	38.598	ng	99
58) Fluorene	15.48	166	941521	37.584	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.05	232	290522	41.049	ng	98
60) Diethylphthalate	15.26	149	958419	37.330	ng	99
61) 4-Chlorophenyl-phenylether	15.47	204	556650	39.217	ng	97
62) 4-Nitroaniline	15.51	138	186228	33.875	ng	97
63) Azobenzene	15.77	77	1118462	36.927	ng	99
65) 4,6-Dinitro-2-methylphenol	15.56	198	135749	40.436	ng	98
66) n-Nitrosodiphenylamine	15.69	169	816020	40.312	ng	98
67) 4-Bromophenyl-phenylether	16.37	248	333852	39.576	ng	99
68) Hexachlorobenzene	16.47	284	384498	39.609	ng	95
69) Atrazine	16.64	200	297708	37.634	ng	100
70) Pentachlorophenol	16.82	266	463099	83.379	ng	96
71) Phenanthrene	17.22	178	1448225	38.137	ng	99
72) Anthracene	17.31	178	1481495	39.020	ng	99
73) Carbazole	17.59	167	1260473	36.793	ng	98
74) Di-n-butylphthalate	18.14	149	1538784	37.324	ng	98
75) Fluoranthene	19.23	202	1709901	35.588	ng	99
77) Benzidine	19.43	184	589290	29.878	ng	99
78) Pyrene	19.60	202	1734616	41.880	ng	100
80) Butylbenzylphthalate	20.50	149	636604	42.265	ng	99
81) Benzo(a)anthracene	21.34	228	1628220	37.634	ng	99
82) 3,3'-Dichlorobenzidine	21.29	252	566758	34.323	ng	97
83) Chrysene	21.40	228	1607778	38.318	ng	100
84) Bis(2-ethylhexyl)phthalate	21.27	149	920129	39.368	ng	99
85) Di-n-octyl phthalate	22.16	149	1503077	38.693	ng	99
86) Indeno(1,2,3-cd)pyrene	25.97	276	1910960	38.289	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	1641508	45.326	ng	100
89) Benzo(k)fluoranthene	23.00	252	1600216	48.439	ng	99
90) Benzo(a)pyrene	23.55	252	1572071	47.789	ng	99
91) Dibenzo(a,h)anthracene	25.99	278	1644133	48.060	ng	98
92) Benzo(g,h,i)perylene	26.69	276	1596549	49.156	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

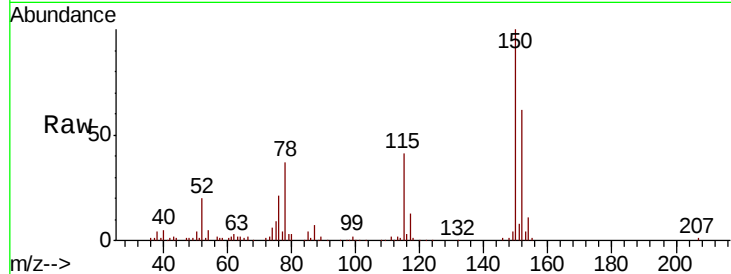
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.79 min Scan# 817
 Delta R.T. 0.00 min
 Lab File: BM020098.D
 Acq: 01 May 2019 19:53

Instrument :
 BNA_M
 ClientSampleId :
 IDOCSOIL-HP4

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	119.8	179.8
115	65.9	50.8	76.2

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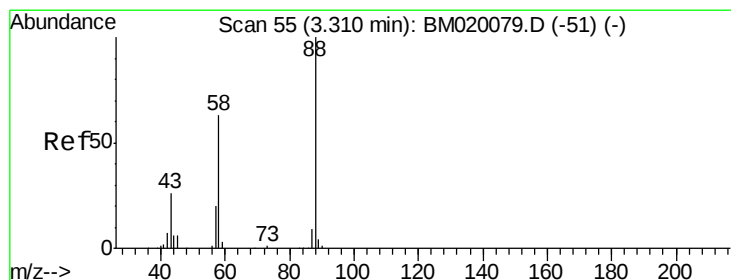
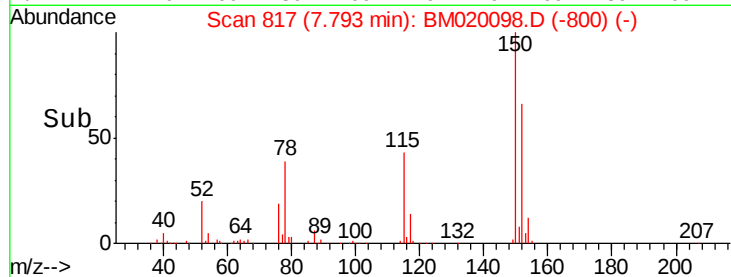
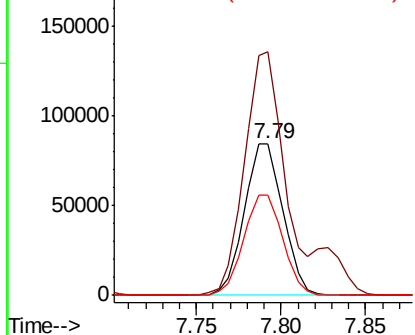


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

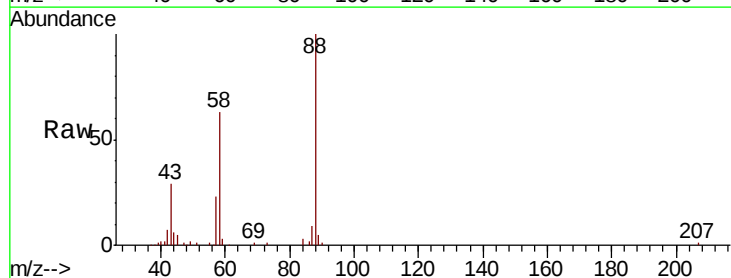
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
 Concen: 34.618 ng
 RT: 3.31 min Scan# 55
 Delta R.T. 0.00 min
 Lab File: BM020098.D
 Acq: 01 May 2019 19:53

Tgt Ion	Ratio	Lower	Upper
88	100		
58	60.9	51.8	77.6
43	24.0	20.3	30.5

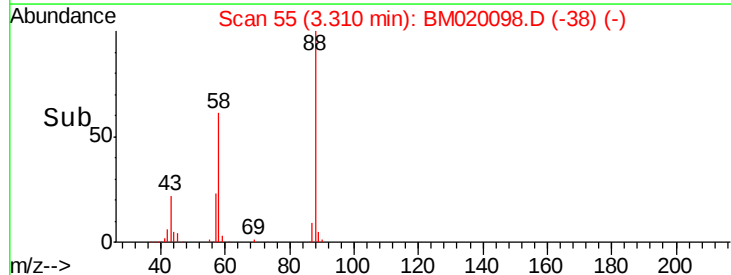
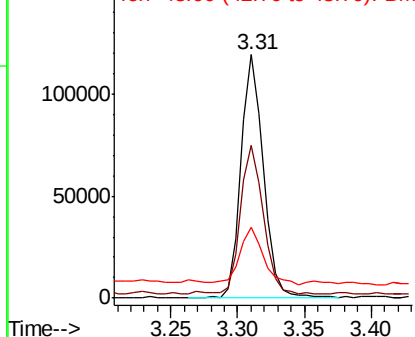


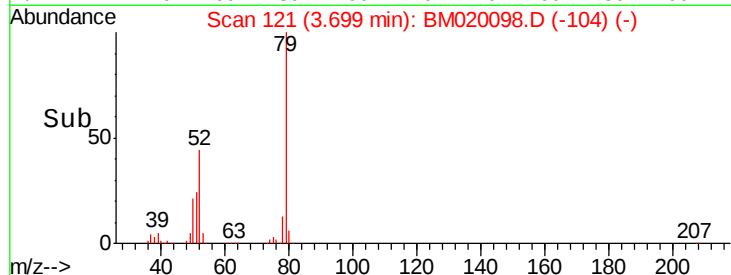
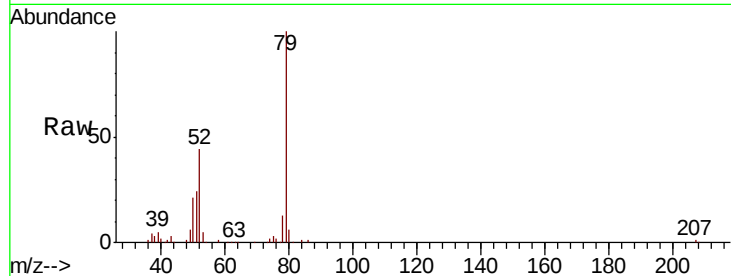
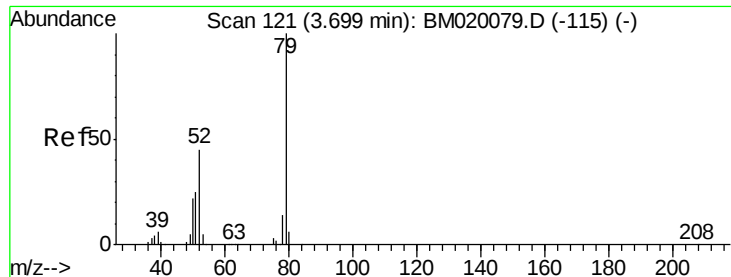
Abundance

Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





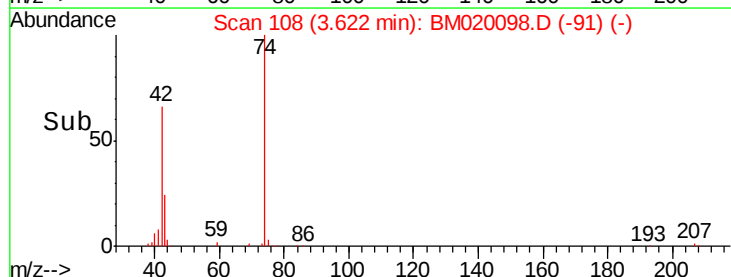
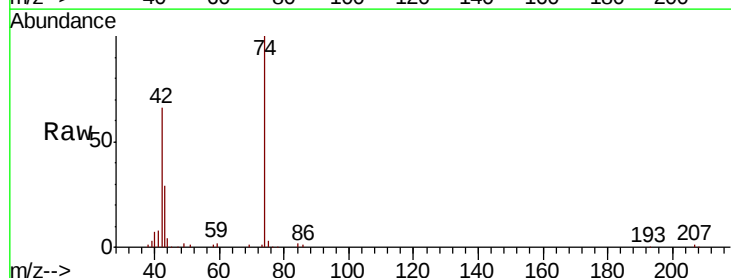
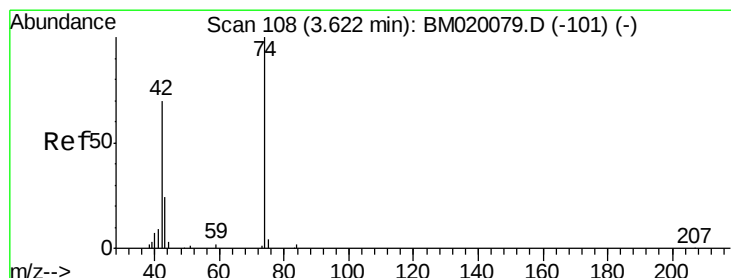
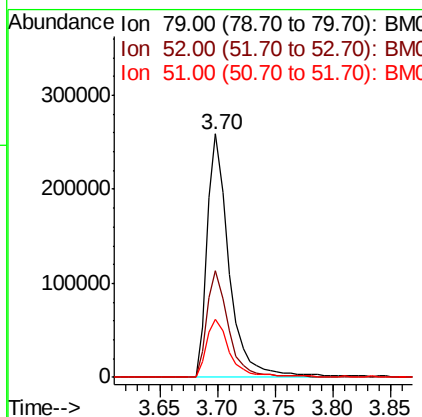
#3
Pvridine
Concen: 33.262 ng
RT: 3.70 min Scan# 121
Delta R.T. 0.00 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Tot Ion	Ratio	Resp	Lower	Upper
79	100	343562		
52	43.8		35.7	53.5
51	24.1		20.8	31.2

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP4

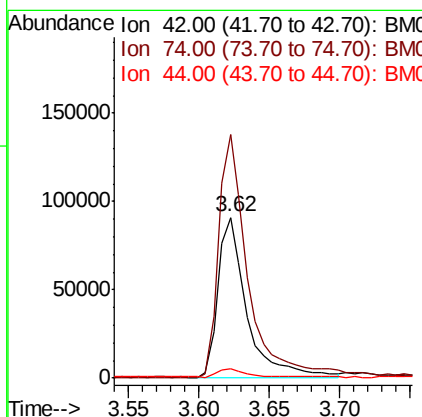
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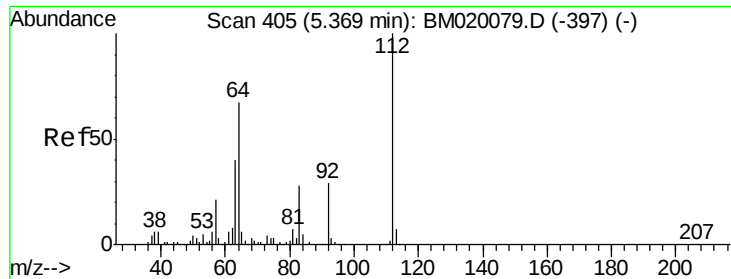
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#4
n-Nitrosodimethylamine
Concen: 38.612 ng
RT: 3.62 min Scan# 108
Delta R.T. 0.00 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	127889		
74	151.2		113.7	170.5
44	5.5		3.9	5.9





#5

2-Fluorophenol

Concen: 140.380 ng

RT: 5.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Instrument :

BNA_M

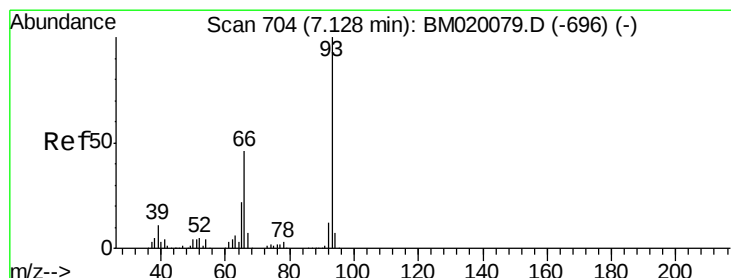
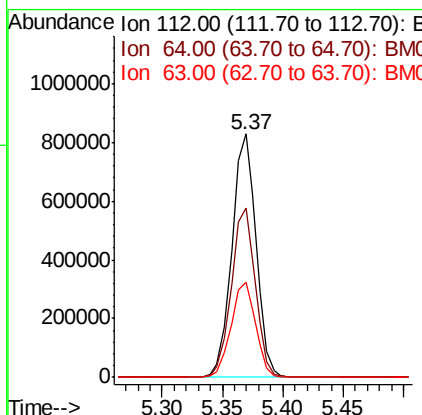
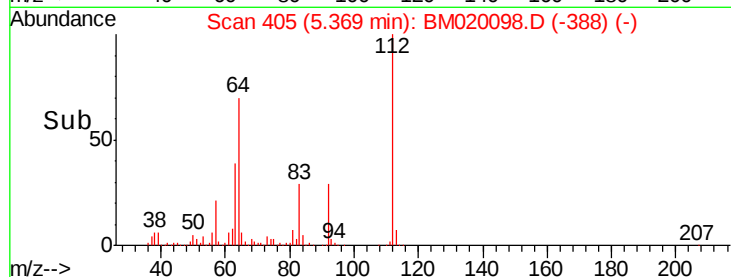
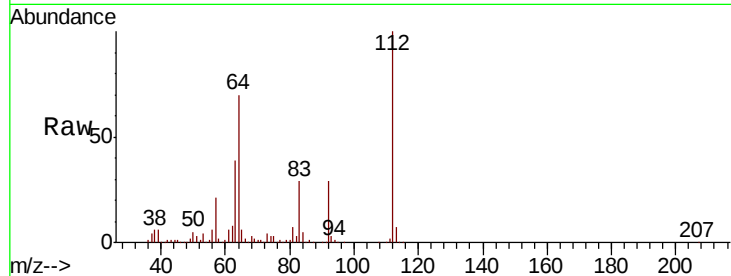
ClientSampleId :

IDOC SOIL-HP4

Tot Ion:	112	Resp:	1155964
Ion	Ratio	Lower	Upper
112	100		
64	69.7	53.8	80.6
63	38.9	32.3	48.5

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#6

Aniline

Concen: 32.302 ng

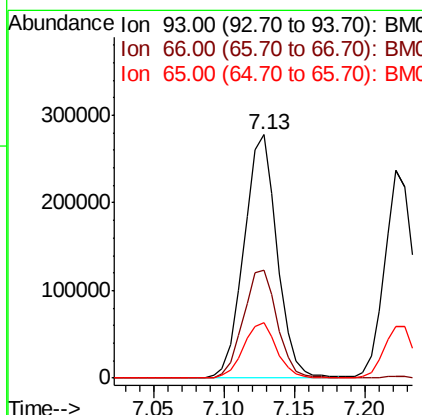
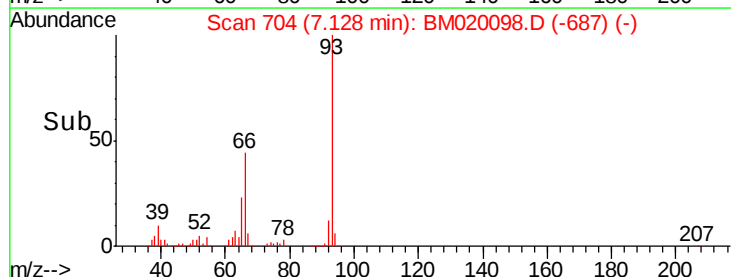
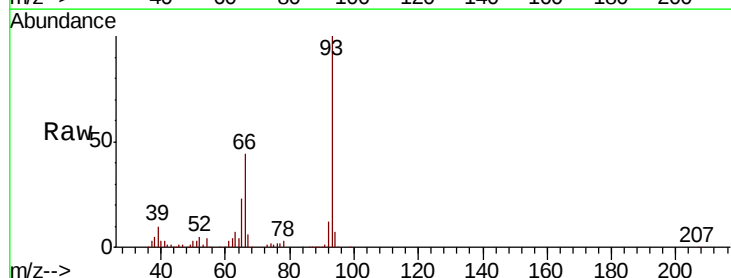
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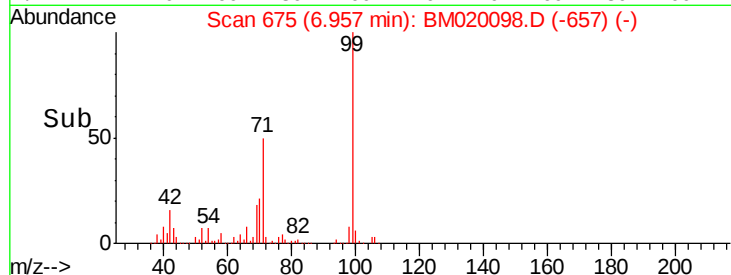
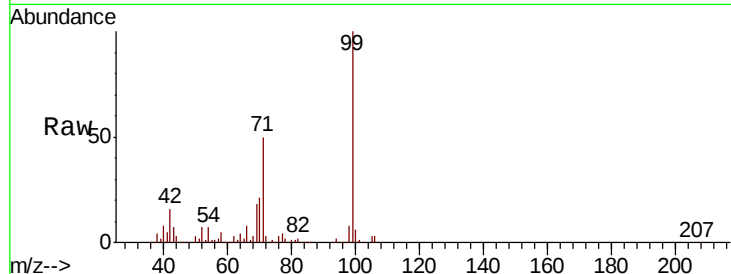
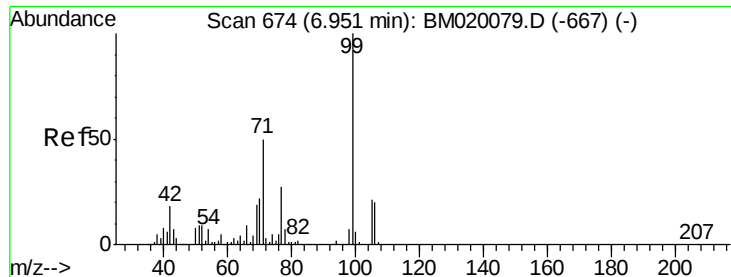
Delta R.T. 0.00 min

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Tgt Ion:	93	Resp:	457435
Ion	Ratio	Lower	Upper
93	100		
66	44.1	36.6	54.8
65	22.8	17.8	26.6





#7

Phenol-d6

Concen: 136.738 ng

RT: 6.96 min Scan# 675

Delta R.T. 0.01 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Tot Ion:	99	Resp:	1538237
Ion	Ratio	Lower	Upper
99	100		
42	16.2	14.2	21.2
71	50.0	40.3	60.5

Instrument :

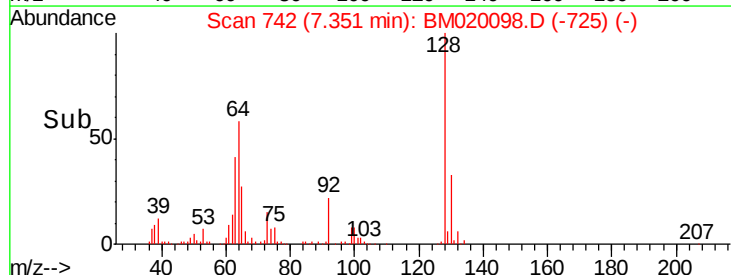
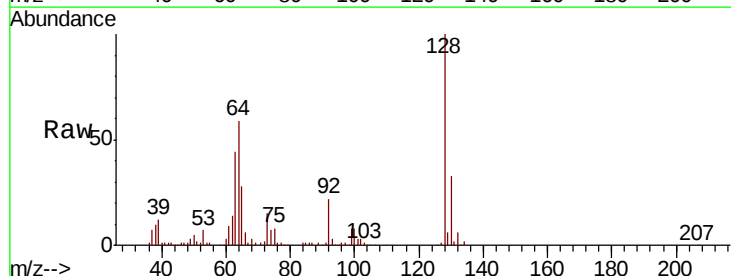
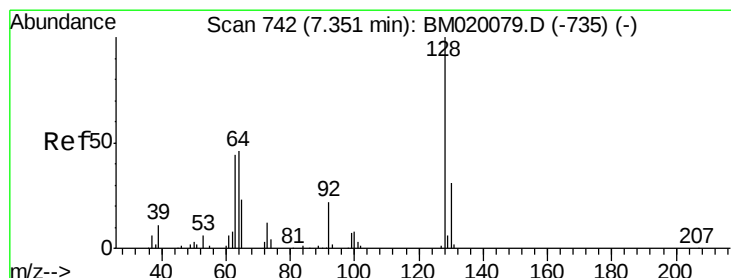
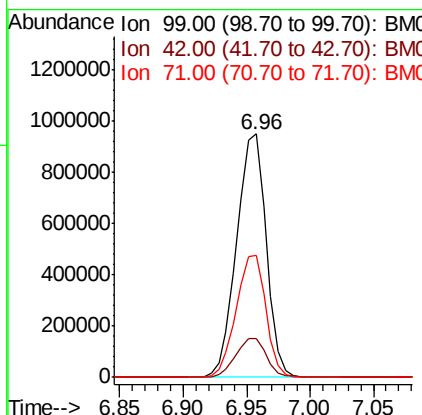
BNA_M

ClientSampleId :

IDOC SOIL-HP4

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#8

2-Chlorophenol

Concen: 39.432 ng

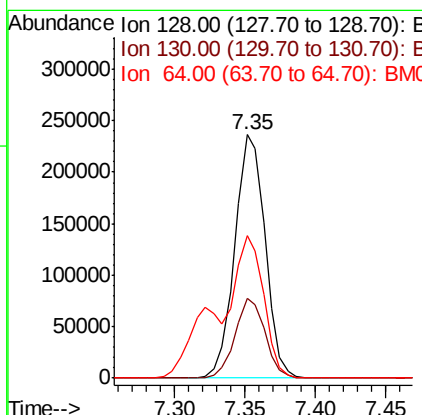
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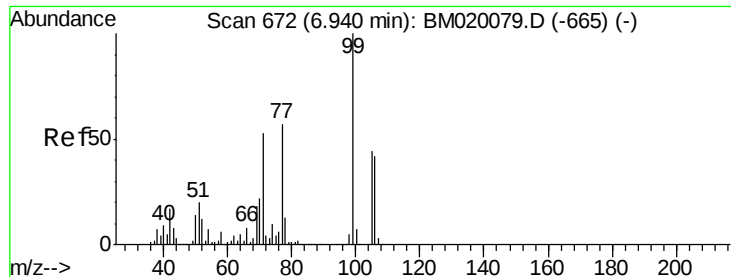
Delta R.T. 0.00 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Tgt Ion:	128	Resp:	353555
Ion	Ratio	Lower	Upper
128	100		
130	32.8	10.8	50.8
64	58.6	36.5	76.5





#9

Benzaldehyde

Concen: 30.262 ng

RT: 6.94 min Scan# 672

Delta R.T. 0.00 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Instrument :

BNA_M

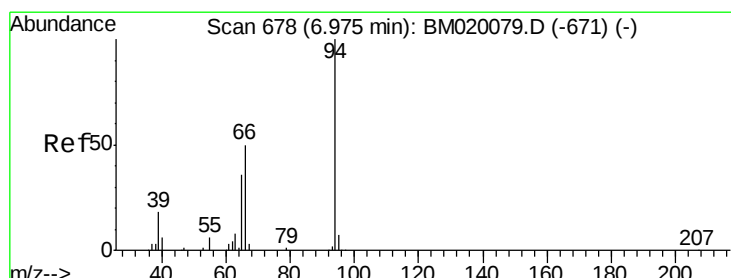
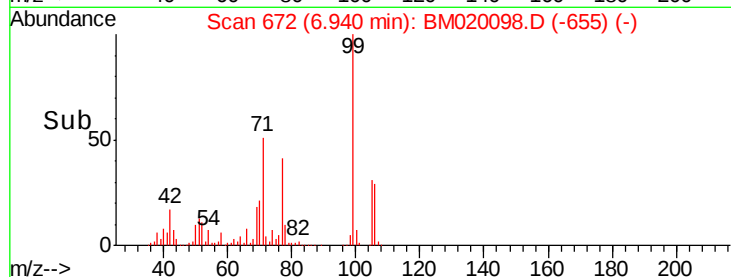
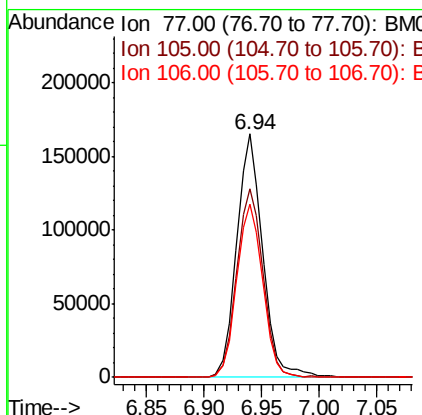
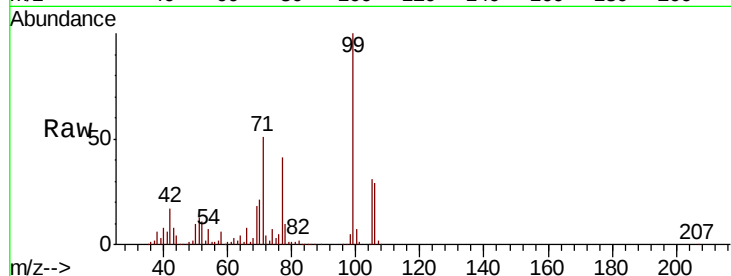
ClientSampleId :

IDOC SOIL-HP4

Tot Ion:	77	Resp:	257663
Ion Ratio	Lower	Upper	
77	100		
105	77.4	57.8	97.8
106	71.1	53.6	93.6

Manual Integrations
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#10

Phenol

Concen: 38.892 ng

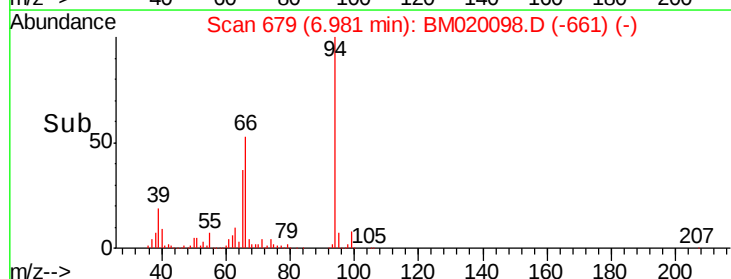
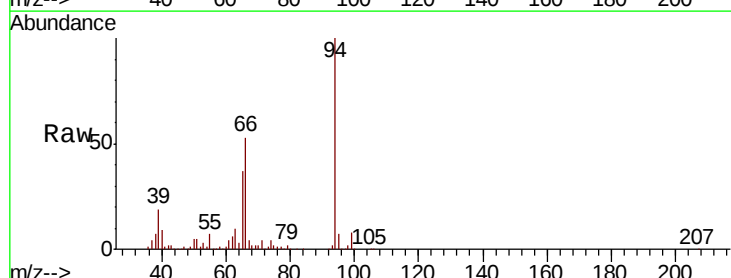
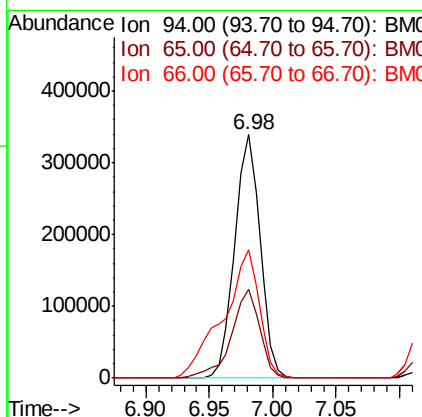
RT: 6.98 min Scan# 679

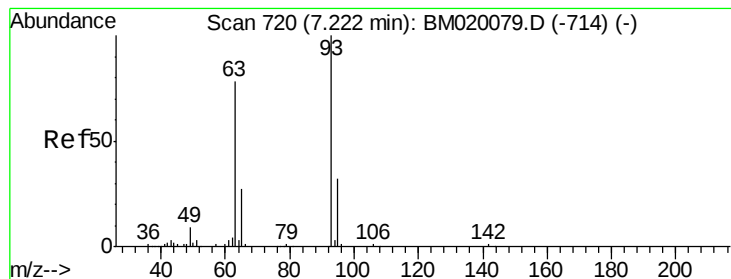
Delta R.T. 0.01 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Tgt Ion:	94	Resp:	470998
Ion Ratio	Lower	Upper	
94	100		
65	36.6	17.0	57.0
66	52.6	34.5	74.5





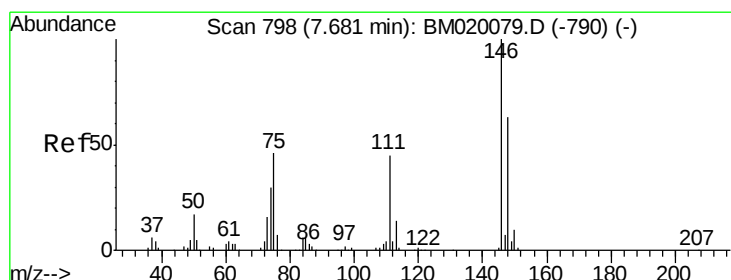
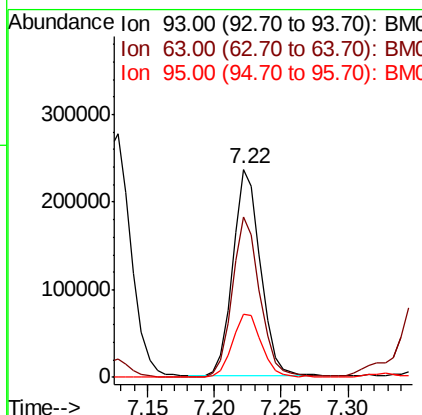
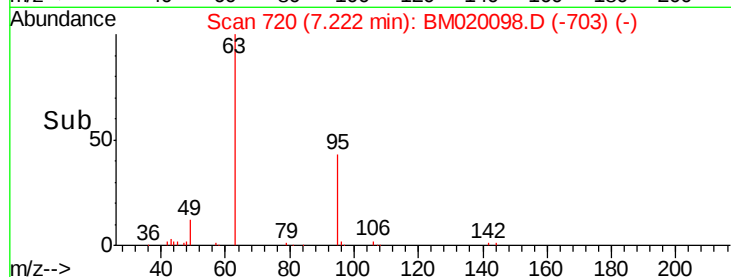
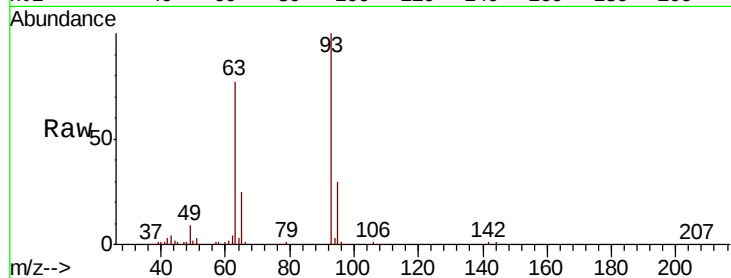
#11
bis(2-Chloroethyl)ether
Concen: 38.611 ng
RT: 7.22 min Scan# 720
Delta R.T. 0.00 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP4

Tot Ion:	93	Resp:	339862
Ion Ratio	Lower	Upper	
93	100		
63	77.0	57.9	97.9
95	30.3	11.3	51.3

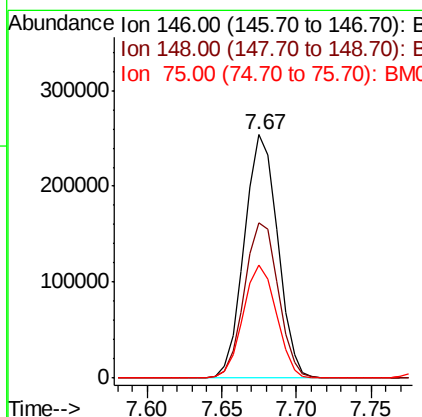
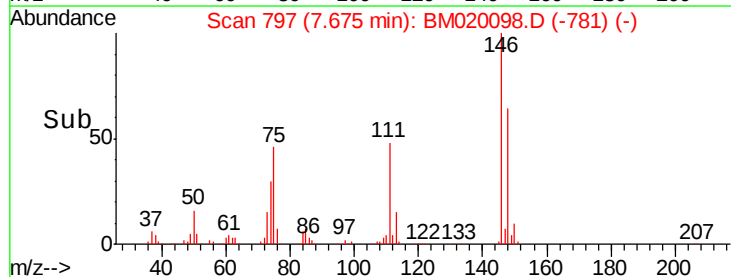
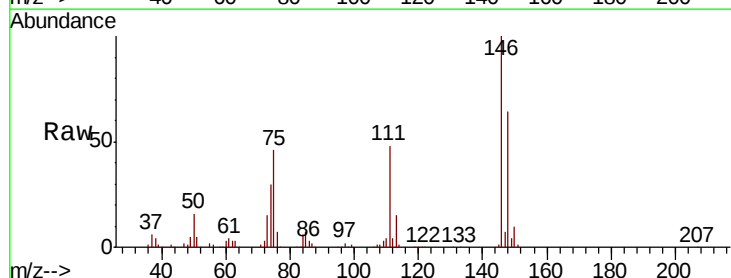
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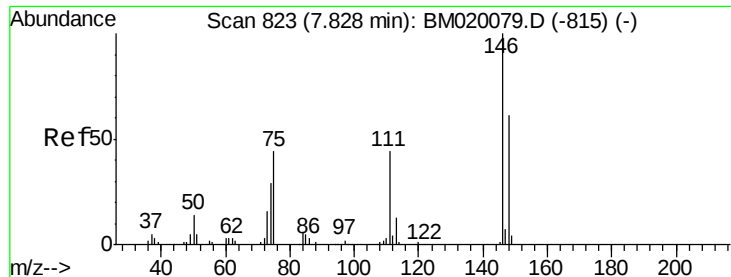
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#12
1,3-Dichlorobenzene
Concen: 37.612 ng
RT: 7.67 min Scan# 797
Delta R.T. -0.01 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Tgt Ion:	146	Resp:	392373
Ion Ratio	Lower	Upper	
146	100		
148	64.0	50.1	75.1
75	46.5	37.2	55.8





#13

1,4-Dichlorobenzene

Concen: 37.907 ng

RT: 7.83 min Scan# 823

Delta R.T. 0.00 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Instrument :

BNA_M

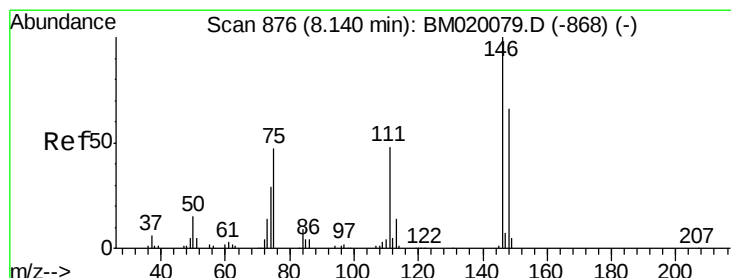
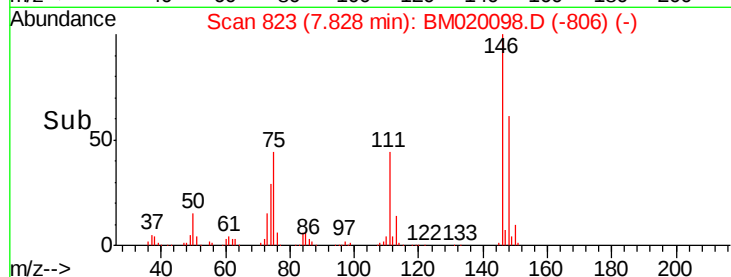
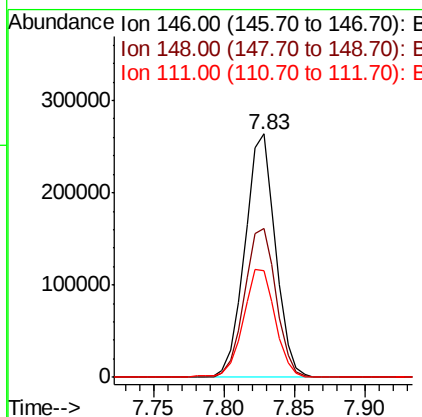
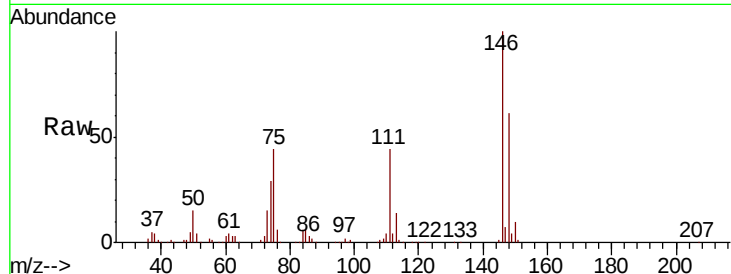
ClientSampleId :

IDOC SOIL-HP4

Tot Ion:	146	Resp:	399483
Ion Ratio	Lower	Upper	
146	100		
148	61.0	48.5	72.7
111	43.6	35.7	53.5

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#14

1,2-Dichlorobenzene

Concen: 37.894 ng

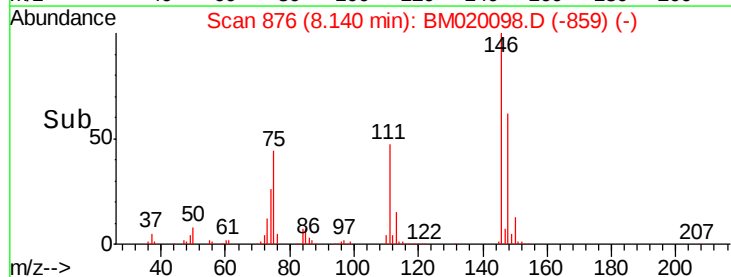
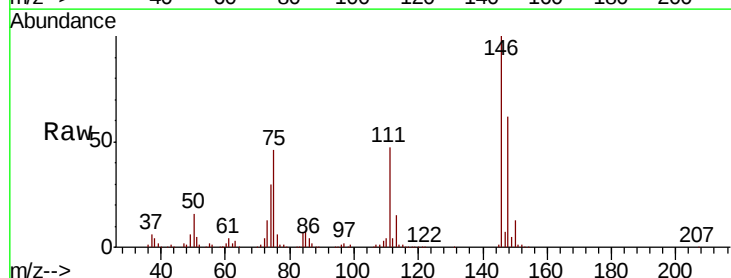
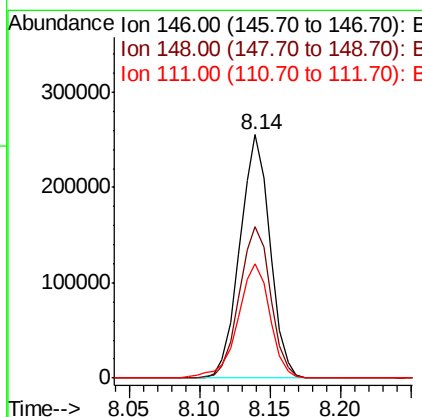
RT: 8.14 min Scan# 876

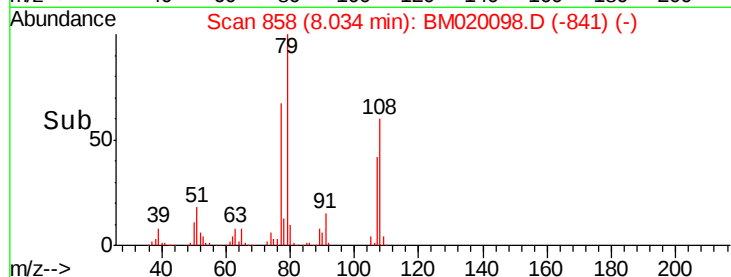
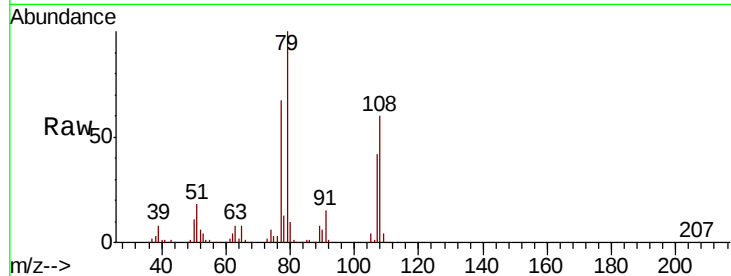
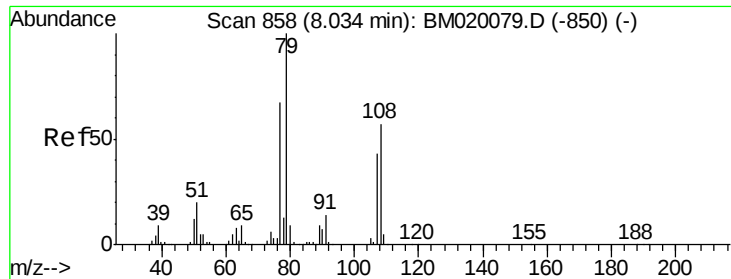
Delta R.T. 0.00 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Tgt Ion:	146	Resp:	380461
Ion Ratio	Lower	Upper	
146	100		
148	62.2	52.6	79.0
111	46.7	39.0	58.4





#15

Benzyl Alcohol

Concen: 37.598 ng

RT: 8.03 min Scan# 858

Delta R.T. 0.00 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Tot Ion:	79	Resp:	407841
Ion Ratio	Lower	Upper	
79	100		
108	59.6	46.0	69.0
77	67.3	53.8	80.6

Instrument :

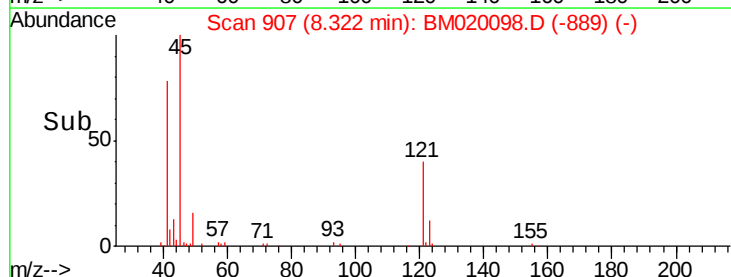
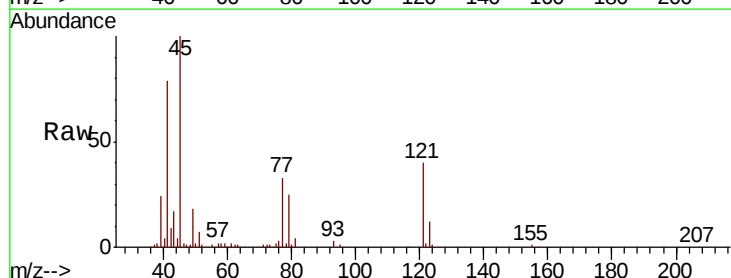
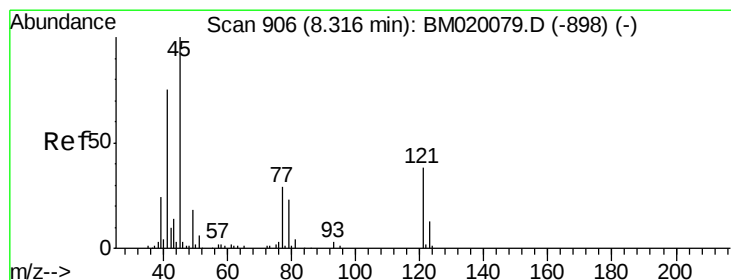
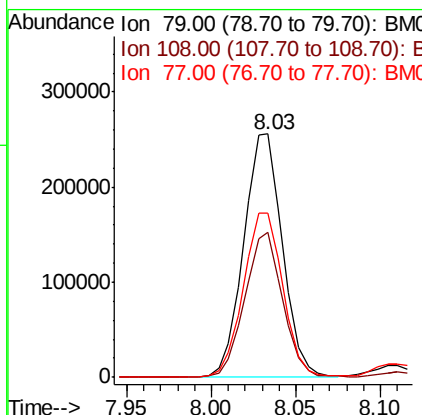
BNA_M

ClientSampleId :

IDOC Soil-HP4

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.426 ng

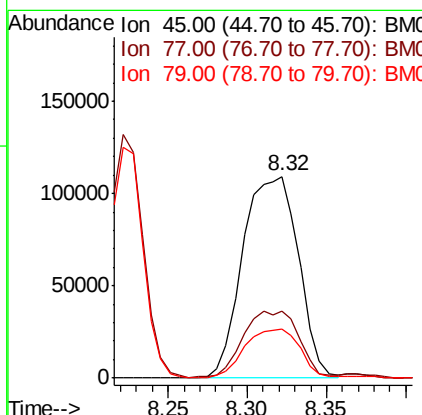
RT: 8.32 min Scan# 907

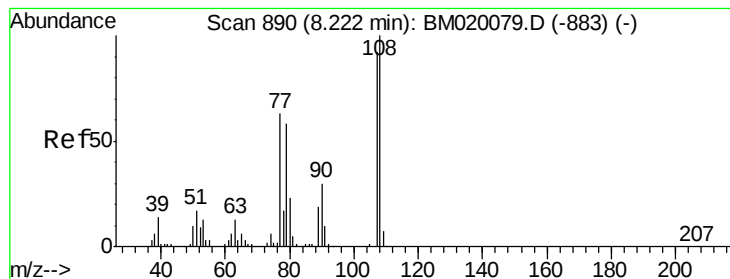
Delta R.T. 0.01 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Tgt Ion:	45	Resp:	265861
Ion Ratio	Lower	Upper	
45	100		
77	33.4	10.5	50.5
79	24.6	3.3	43.3





#17

2-Methylphenol

Concen: 39.310 ng

RT: 8.22 min Scan# 890

Delta R.T. 0.00 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Instrument :

BNA_M

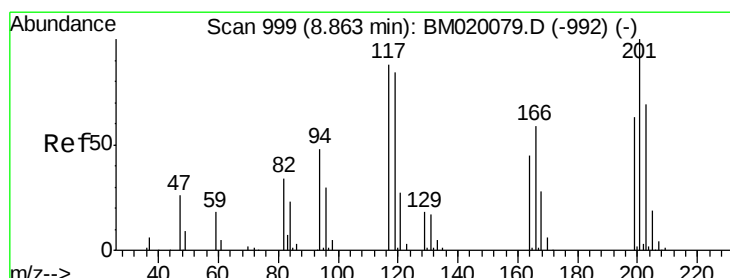
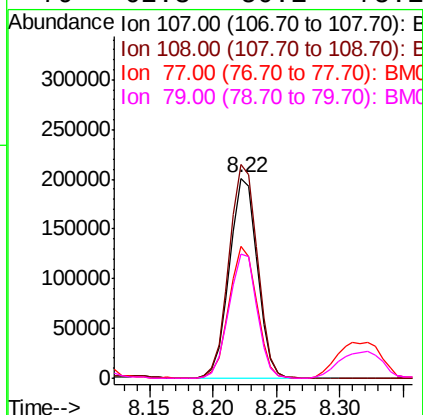
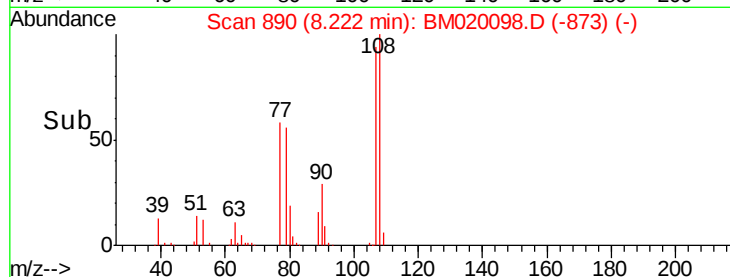
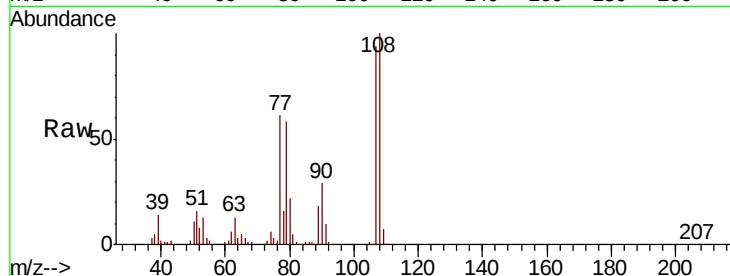
ClientSampleId :

IDOC SOIL-HP4

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	106.8	87.0	130.4	
77	65.6	54.7	82.1	
79	62.3	50.1	75.1	

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#18

Hexachloroethane

Concen: 36.858 ng

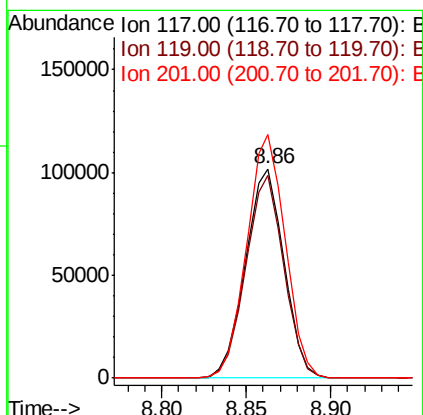
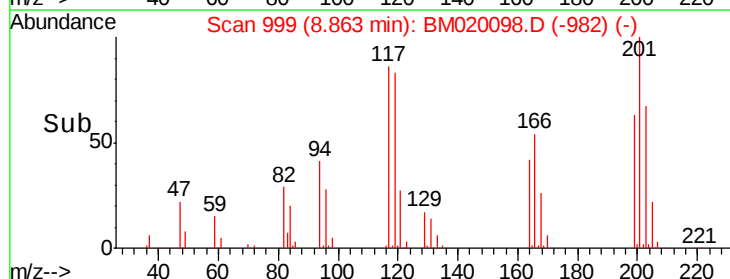
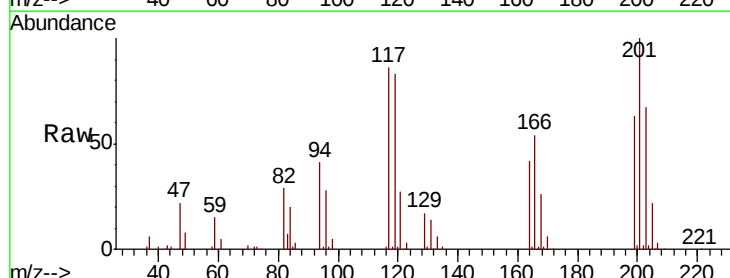
RT: 8.86 min Scan# 999

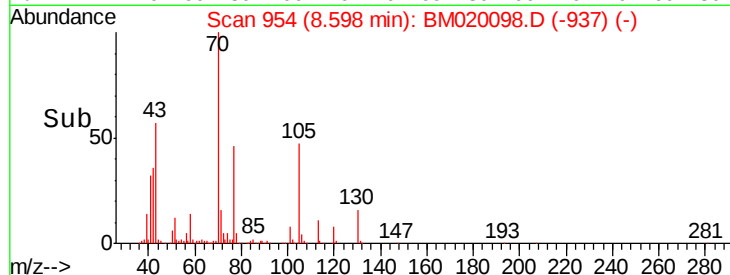
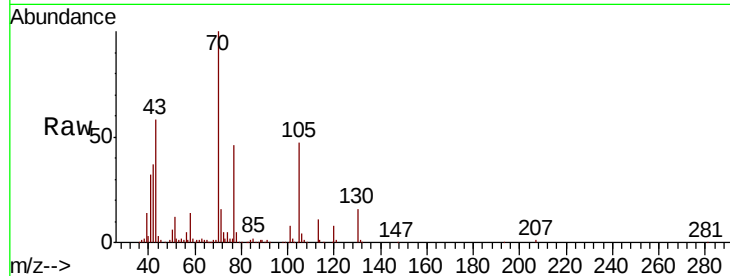
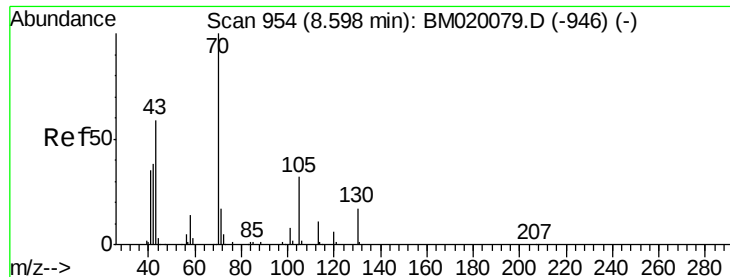
Delta R.T. 0.00 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.8	76.6	114.8	
201	116.4	90.7	136.1	





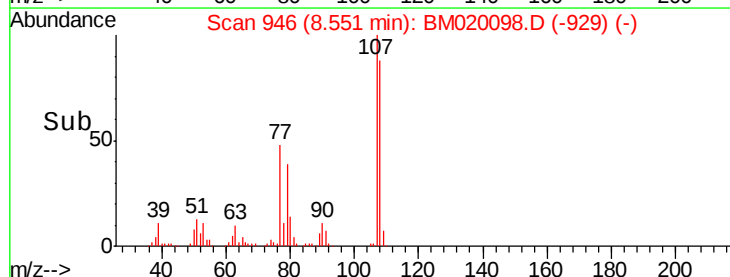
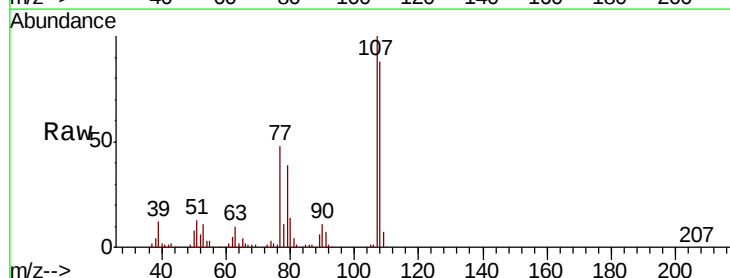
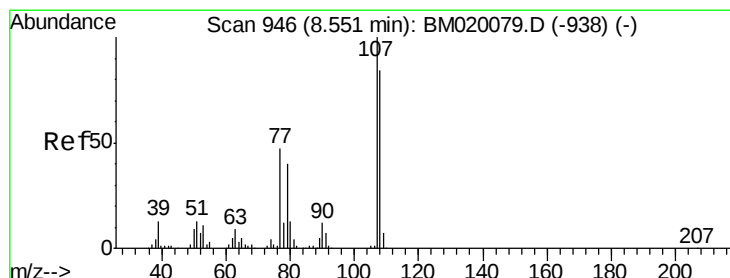
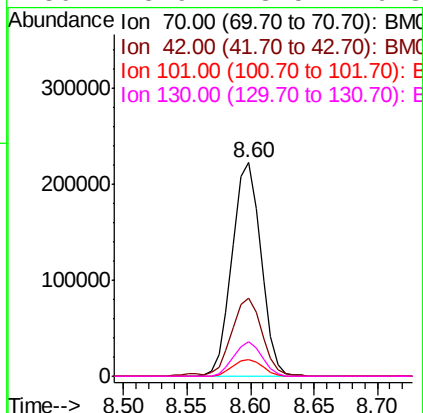
#19
n-Nitroso-di-n-propylamine
Concen: 36.686 ng
RT: 8.60 min Scan# 954
Delta R.T. 0.00 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		353085		
42	36.6	31.0	46.4		
101	7.9	6.2	9.2		
130	15.9	13.5	20.3		

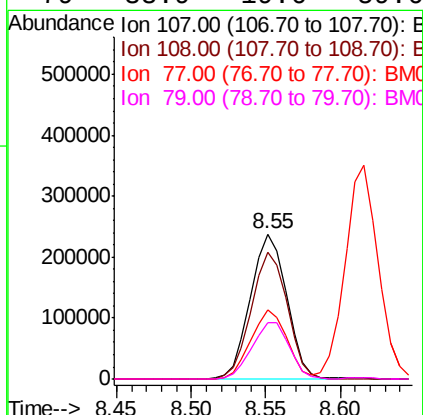
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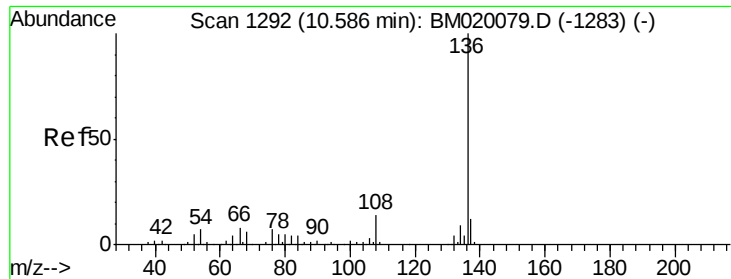
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#20
3+4-Methylphenols
Concen: 38.587 ng
RT: 8.55 min Scan# 946
Delta R.T. 0.00 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		399809		
108	87.5	64.4	104.4		
77	48.1	27.2	67.2		
79	38.9	19.6	59.6		





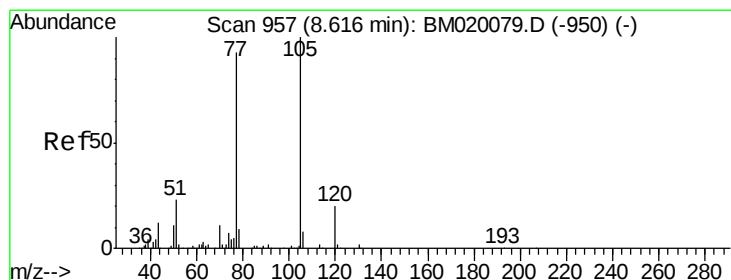
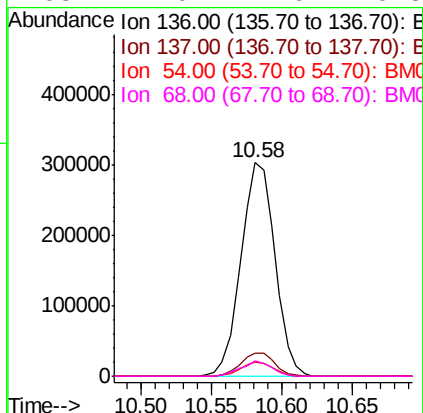
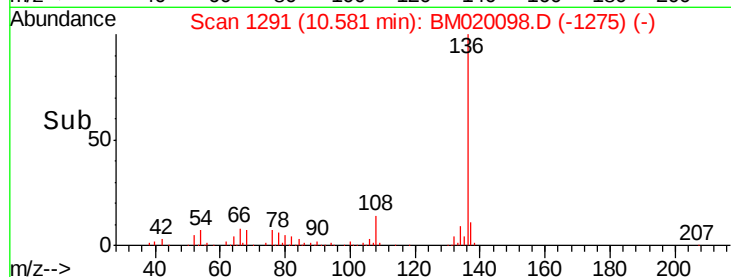
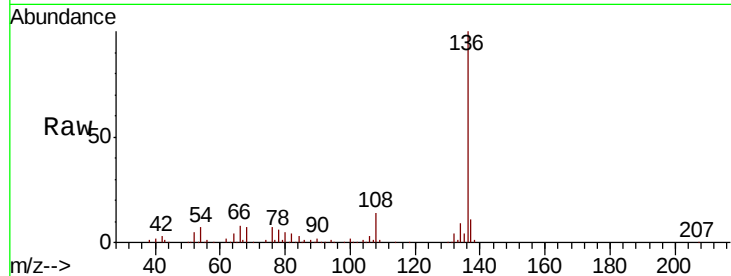
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.58 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP4

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	9.6	14.4	
54	6.9	5.5	8.3	
68	7.0	4.6	6.8#	

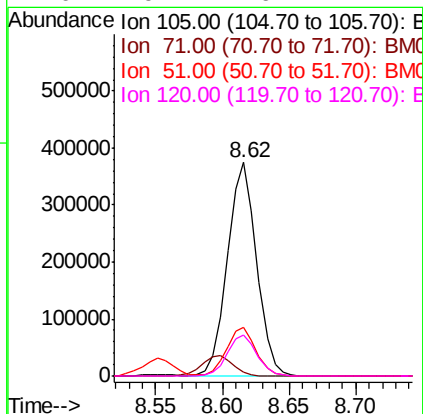
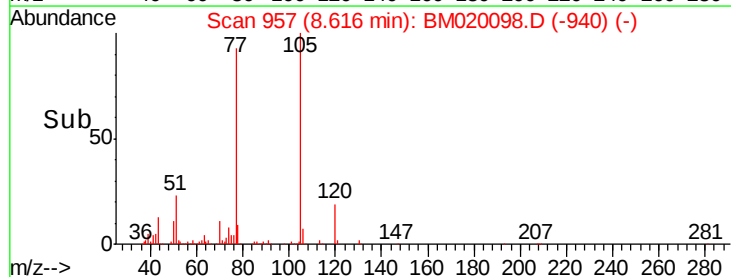
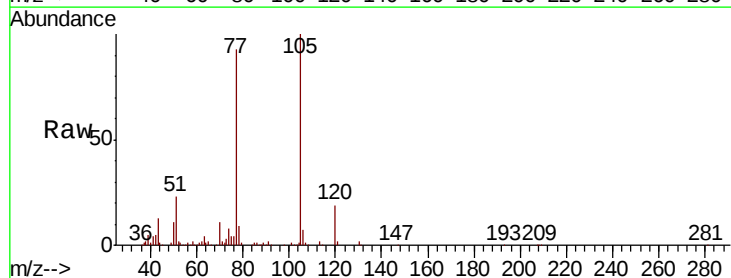
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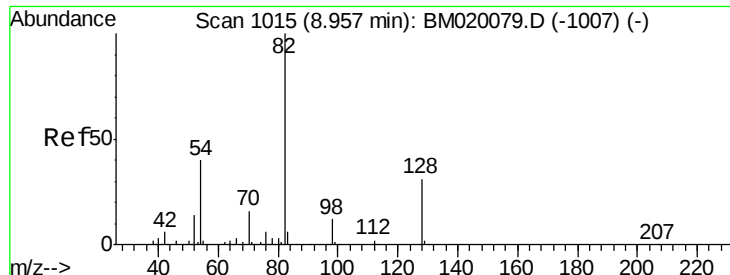
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#22
Acetophenone
Concen: 40.787 ng
RT: 8.62 min Scan# 957
Delta R.T. 0.00 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	1.8	2.2	3.2#	
51	22.6	19.3	28.9	
120	19.4	16.2	24.4	





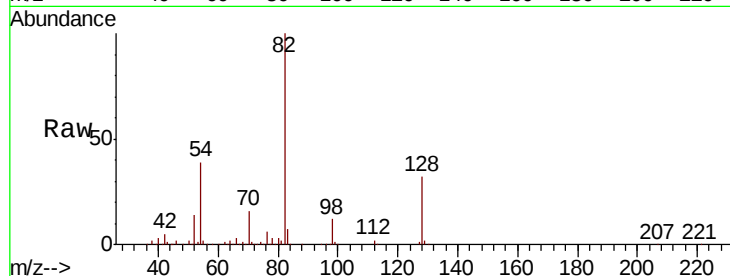
#23
 Nitrobenzene-d5
 Concen: 75.472 ng
 RT: 8.96 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: BM020098.D
 Acq: 01 May 2019 19:53

Instrument :
 BNA_M
 ClientSampleId :
 IDOC SOIL-HP4

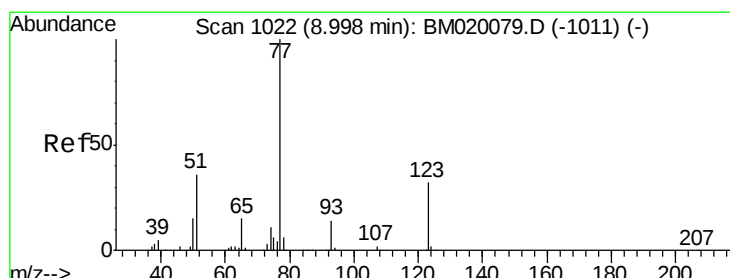
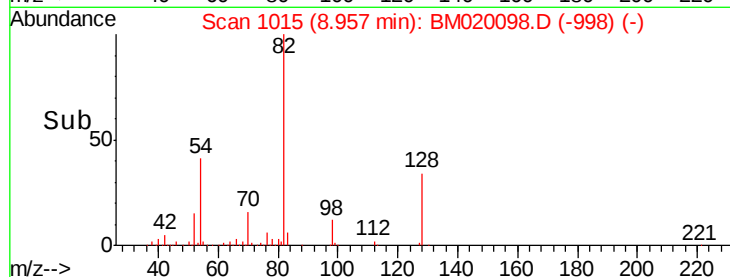
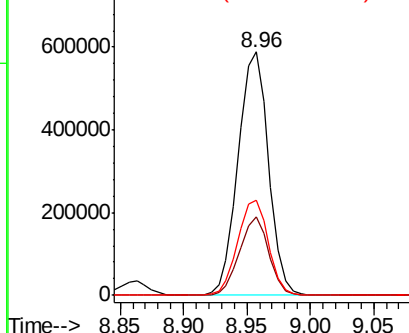
Tot Ion	Ratio	Lower	Upper
82	100		
128	32.4	25.2	37.8
54	38.9	31.9	47.9

Manual Integrations
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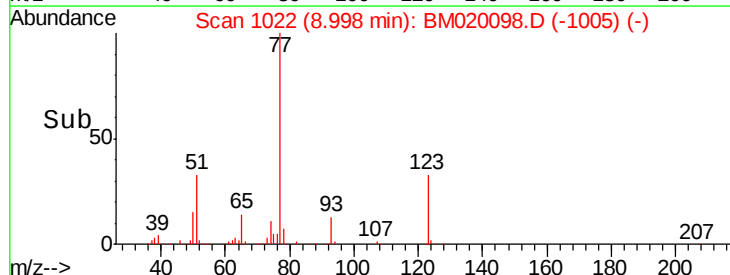
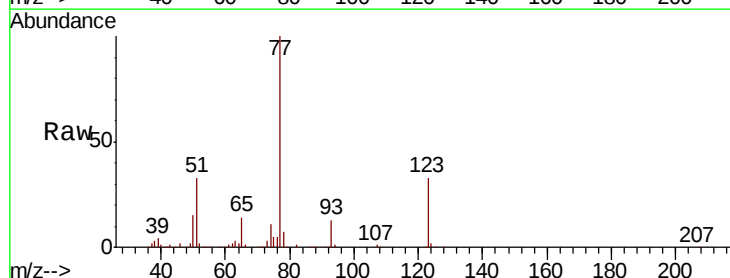
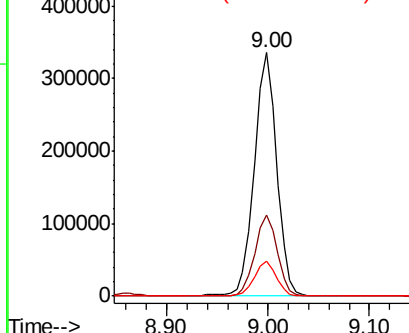
Abundance Ion 82.00 (81.70 to 82.70): BM020098.D (-1007) (-)
 Ion 128.00 (127.70 to 128.70): BM020098.D (-1007) (-)
 Ion 54.00 (53.70 to 54.70): BM020098.D (-1007) (-)

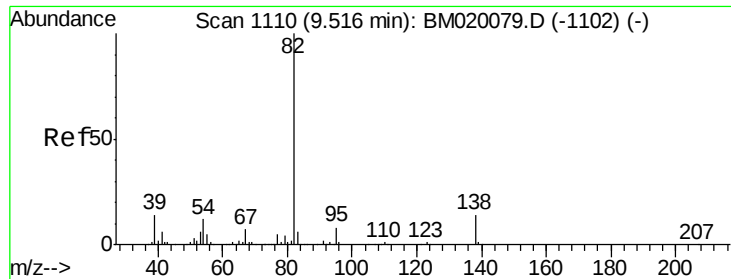


#24
 Nitrobenzene
 Concen: 38.656 ng
 RT: 9.00 min Scan# 1022
 Delta R.T. 0.00 min
 Lab File: BM020098.D
 Acq: 01 May 2019 19:53

Tgt Ion	Ratio	Lower	Upper
77	100		
123	33.2	25.5	38.3
65	14.4	11.8	17.6

Abundance Ion 77.00 (76.70 to 77.70): BM020098.D (-1011) (-)
 Ion 123.00 (122.70 to 123.70): BM020098.D (-1011) (-)
 Ion 65.00 (64.70 to 65.70): BM020098.D (-1011) (-)





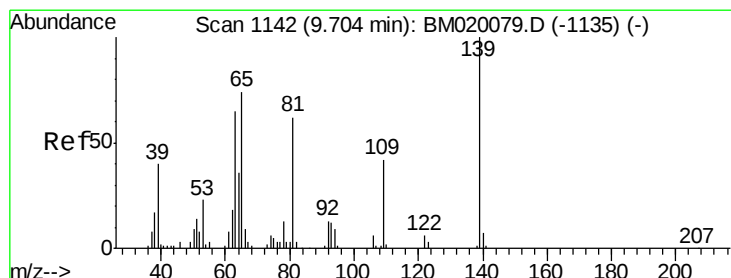
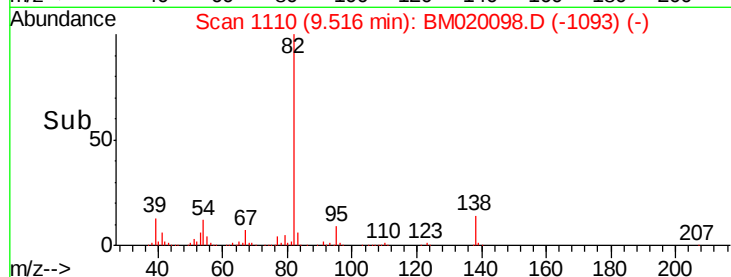
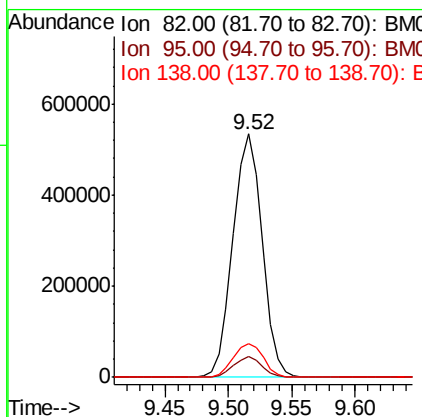
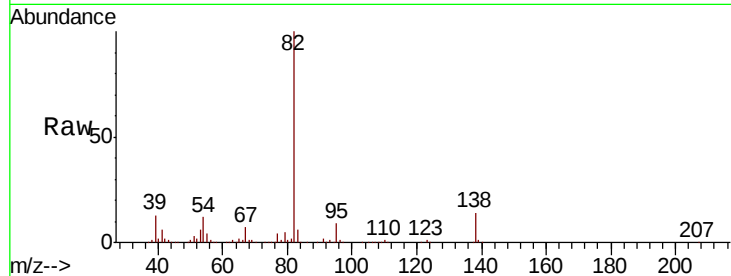
#25
Isophorone
Concen: 38.183 ng
RT: 9.52 min Scan# 1110
Delta R.T. 0.00 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP4

Tot Ion	Ratio	Lower	Upper
82	100		
95	8.5	6.4	9.6
138	13.9	11.1	16.7

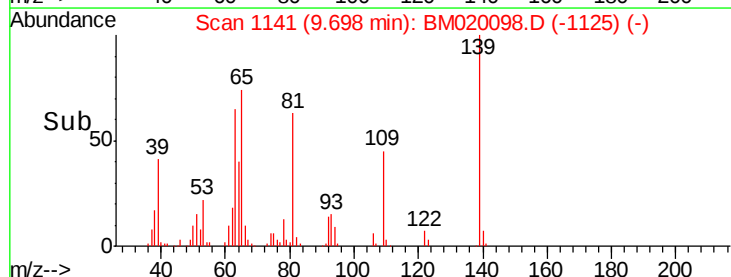
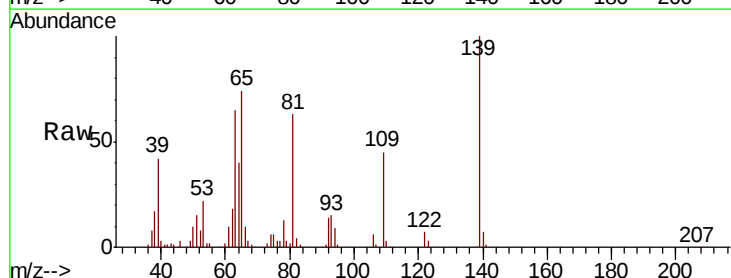
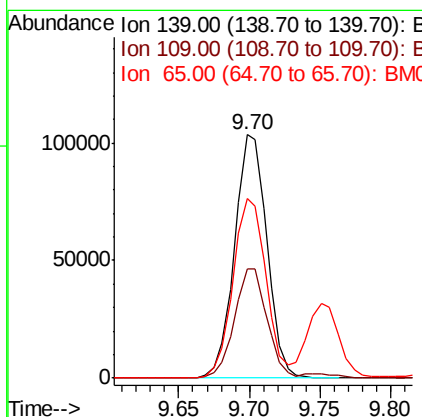
Manual Integrations
APPROVED

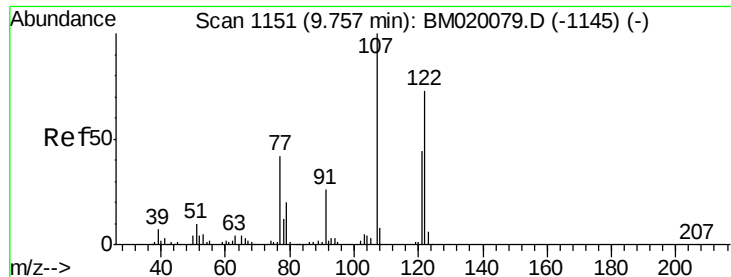
Sohil
5/2/2019 4:55:31 PM



#26
2-Nitrophenol
Concen: 40.780 ng
RT: 9.70 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Tgt Ion	Ratio	Lower	Upper
139	100		
109	45.1	33.7	50.5
65	74.0	59.5	89.3





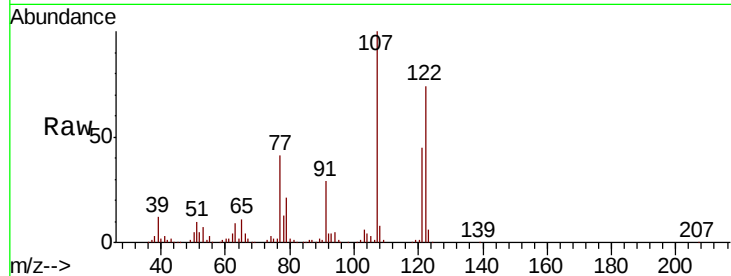
#27
2,4-Dimethylphenol
Concen: 45.643 ng
RT: 9.75 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP4

Tot Ion	Ratio	Lower	Upper
122	100		
107	136.1	108.6	162.8
121	60.8	47.4	71.2

Manual Integrations
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Sohil
5/2/2019 4:55:31 PM

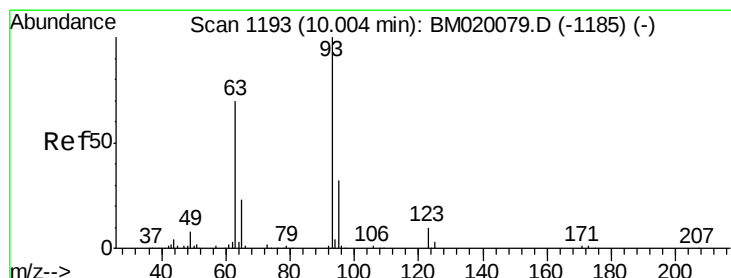
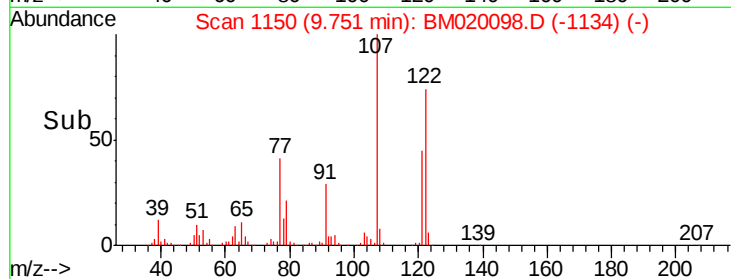
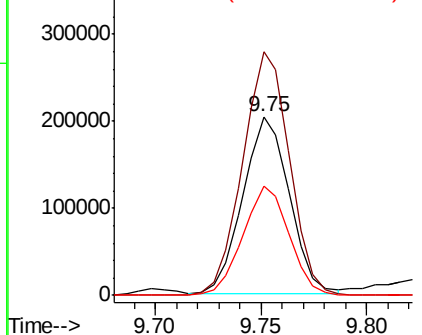


Abundance

Ion 122.00 (121.70 to 122.70): E

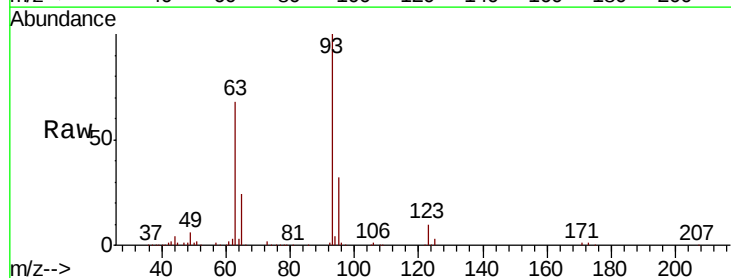
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
bis(2-Chloroethoxy)methane
Concen: 38.730 ng
RT: 10.00 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.5	38.3
123	9.7	7.6	11.4

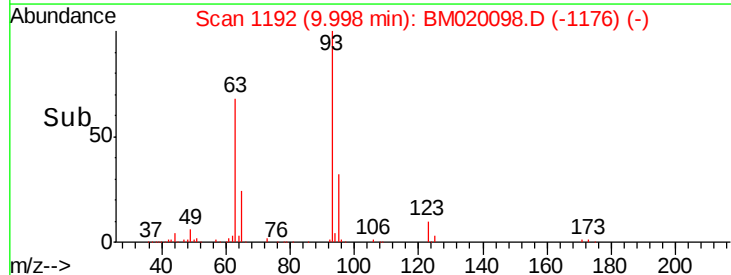
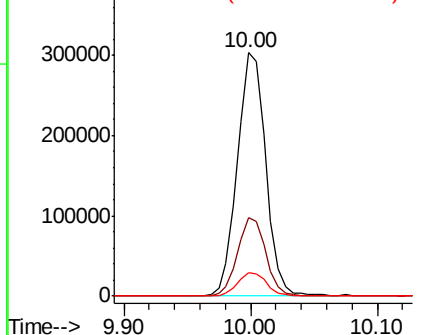


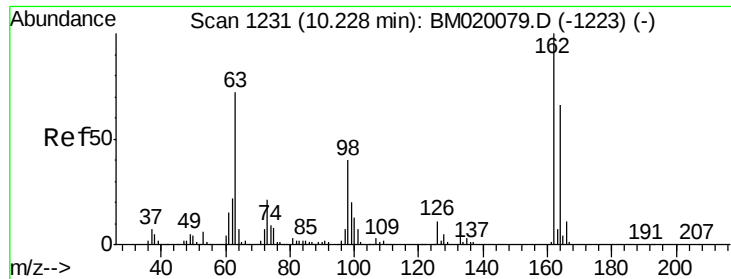
Abundance

Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E





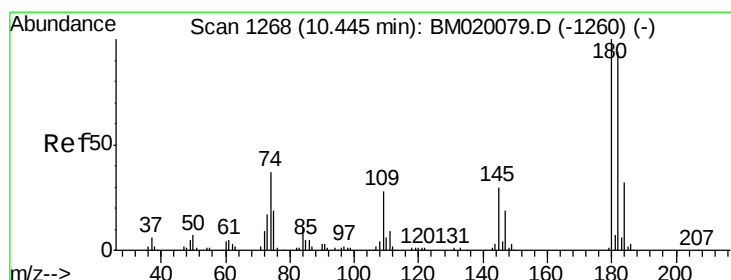
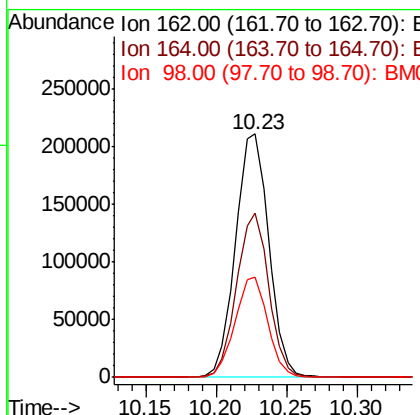
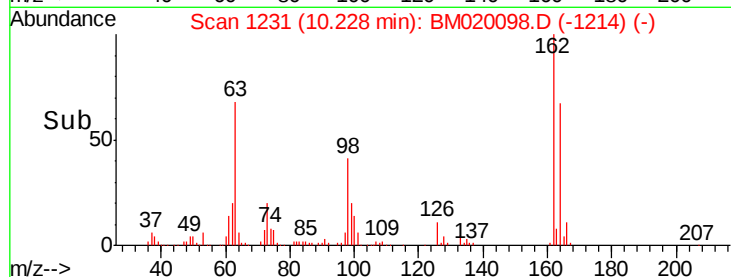
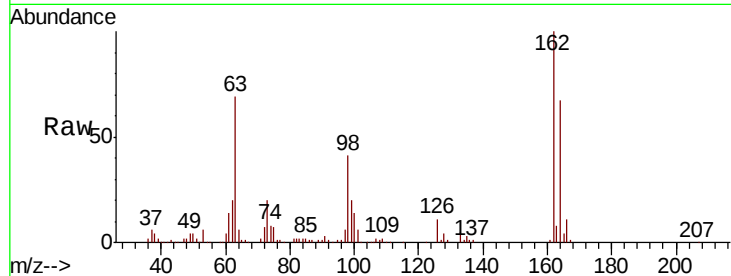
#29
2,4-Dichlorophenol
Concen: 40.885 ng
RT: 10.23 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP4

Tot Ion	Ratio	Lower	Upper
162	100		
164	67.3	45.6	85.6
98	41.3	20.4	60.4

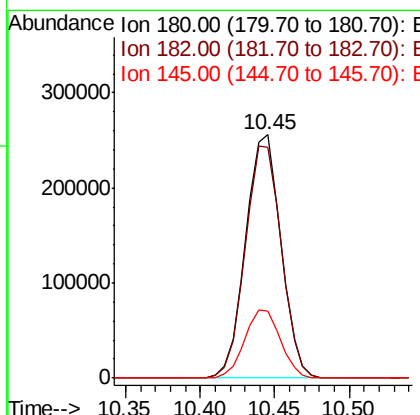
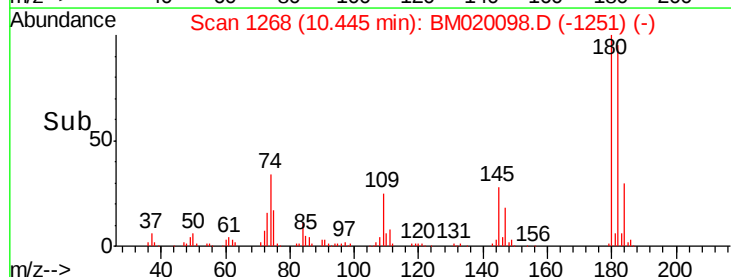
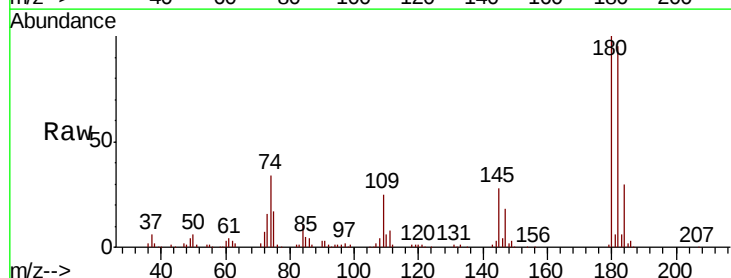
Manual Integrations
APPROVED

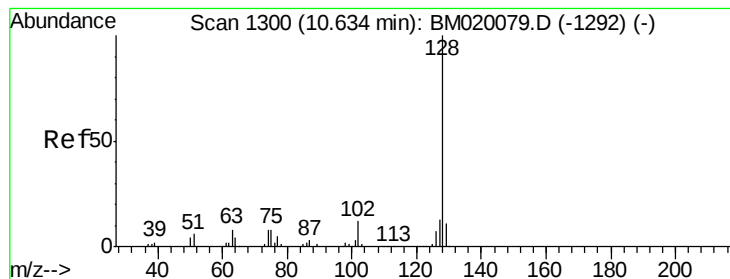
Sohil
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#30
1,2,4-Trichlorobenzene
Concen: 39.854 ng
RT: 10.45 min Scan# 1268
Delta R.T. 0.00 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.4	113.0
145	27.7	23.8	35.8





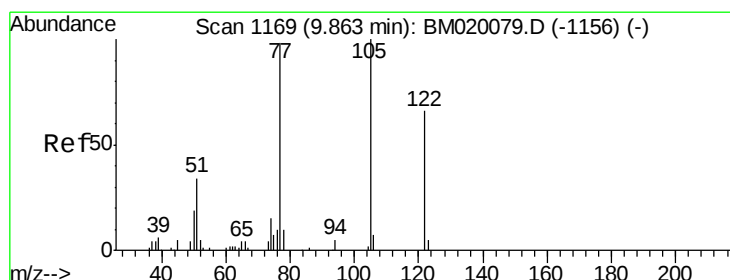
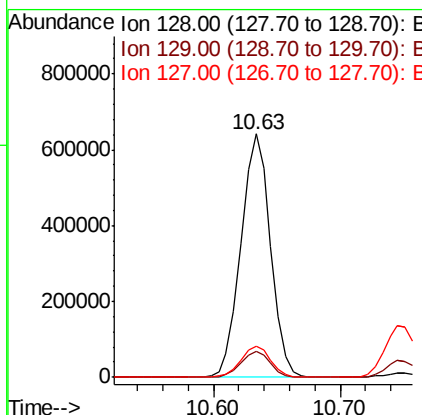
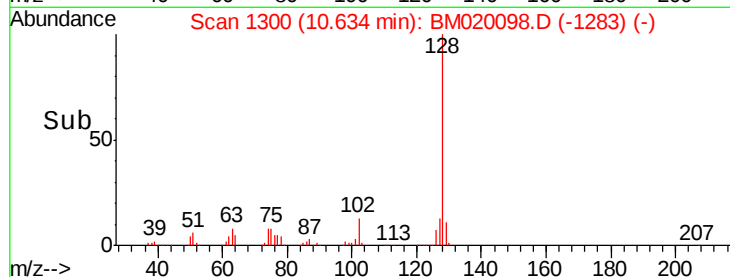
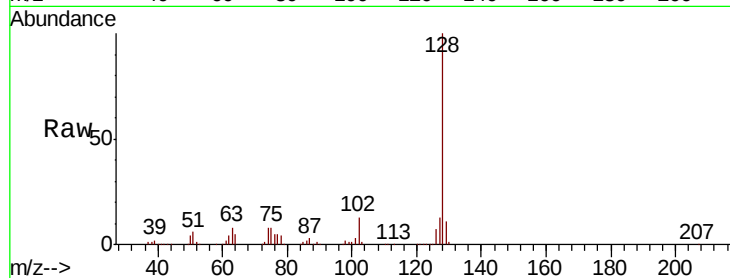
#31
Naphthalene
Concen: 38.887 ng
RT: 10.63 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP4

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.4
127	12.9	10.4	15.6

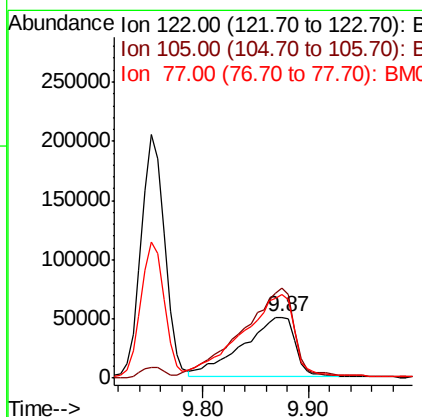
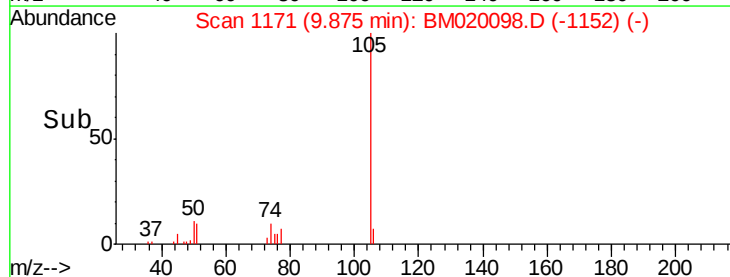
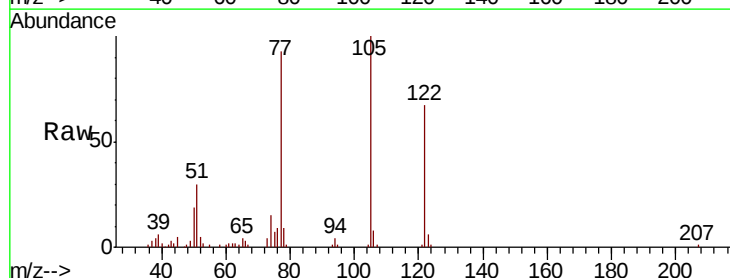
Manual Integrations
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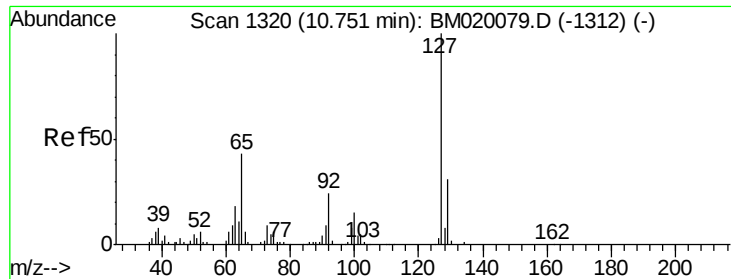
Sohil
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#32
Benzoic acid
Concen: 36.935 ng
RT: 9.87 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Tgt Ion	Ratio	Lower	Upper
122	100		
105	148.3	122.5	162.5
77	138.0	123.3	163.3





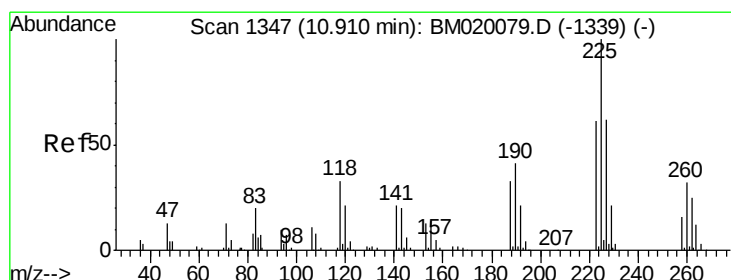
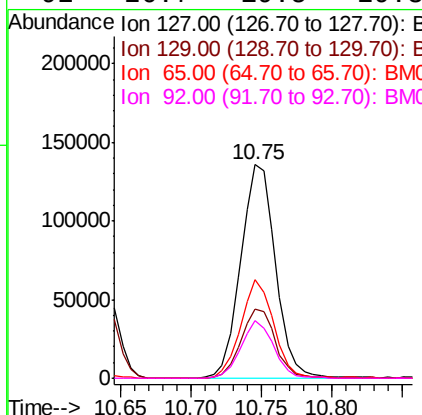
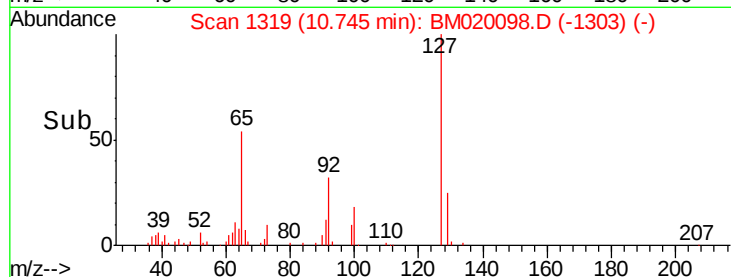
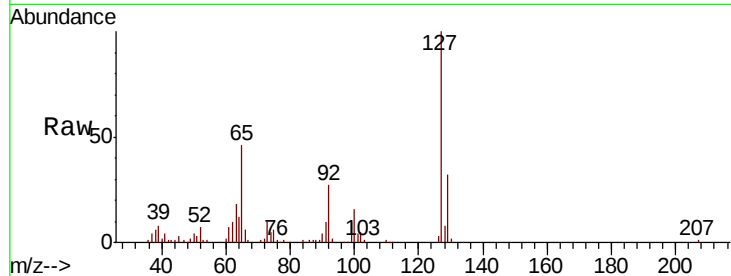
#33
4-Chloroaniline
Concen: 21.393 ng
RT: 10.75 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		233889		
129	32.4	24.7	37.1		
65	46.4	34.6	52.0		
92	26.7	19.5	29.3		

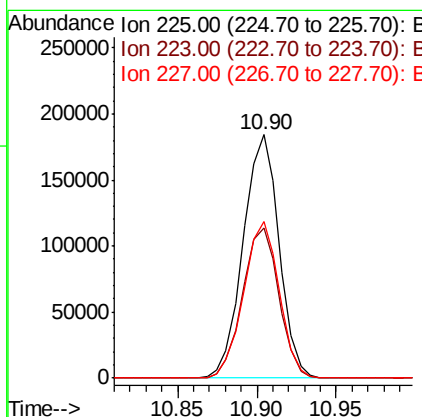
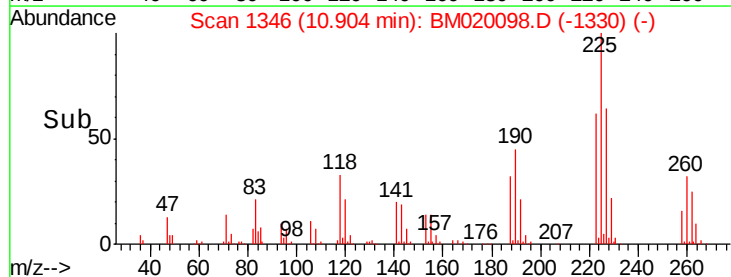
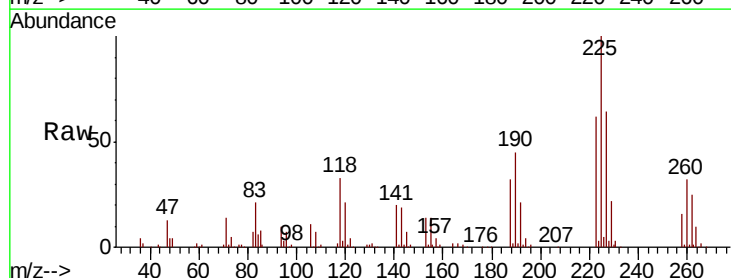
Manual Integrations
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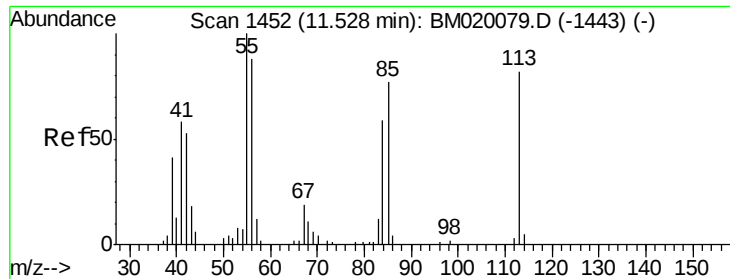
Sohil
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#34
Hexachlorobutadiene
Concen: 39.004 ng
RT: 10.90 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		289250		
223	61.8	48.9	73.3		
227	64.2	49.6	74.4		





#35

Caprolactam

Concen: 35.864 ng/mL

RT: 11.53 min Scan# 1453

Delta R.T. 0.01 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Instrument :

BNA_M

ClientSampleId :

IDOC SOIL-HP4

Tot Ion: 113 Resp: 91366

Ion Ratio Lower Upper

113 100

55 133.2 102.5 142.5

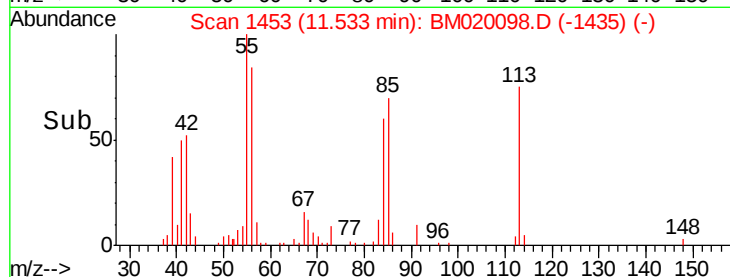
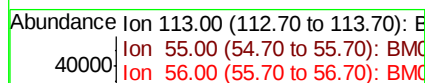
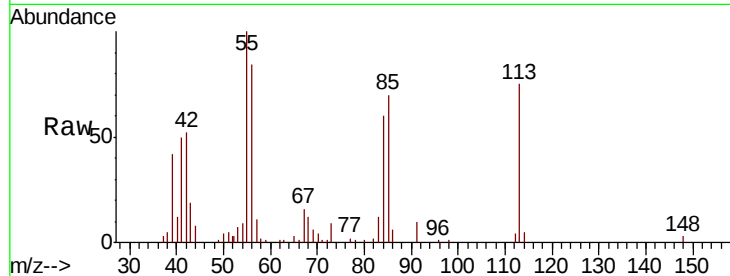
56 111.4 87.7 127.7

Manual Integrations

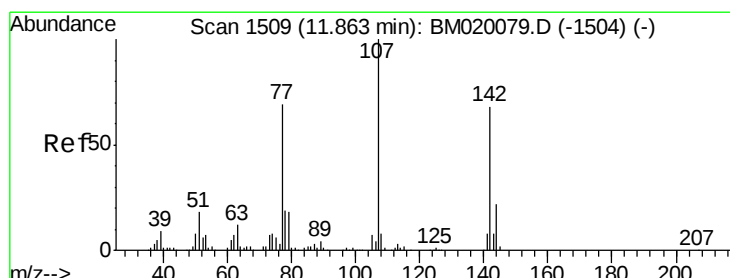
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Time-->



#36

4-Chloro-3-methylphenol

Concen: 37.097 ng/mL

RT: 11.86 min Scan# 1509

Delta R.T. 0.00 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

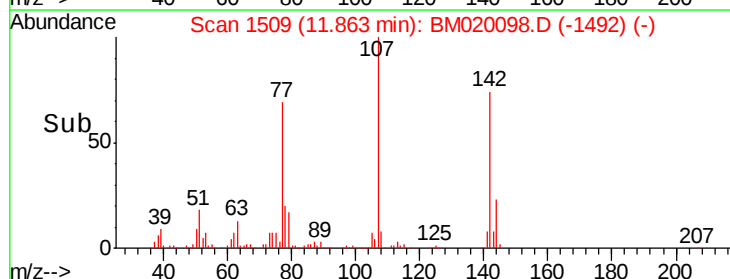
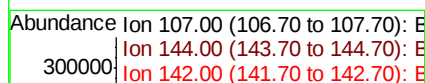
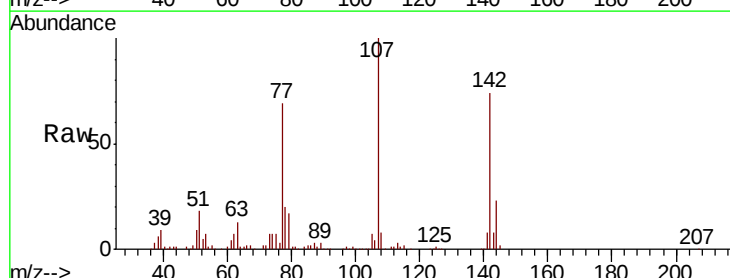
Tgt Ion: 107 Resp: 371421

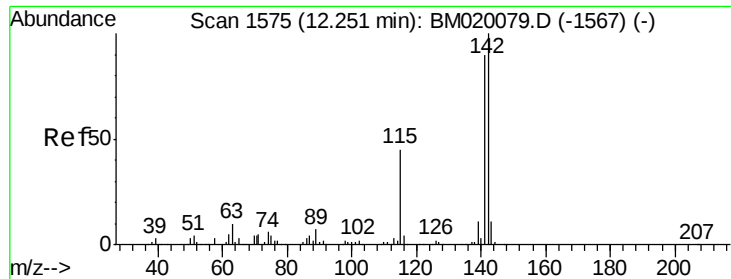
Ion Ratio Lower Upper

107 100

144 22.7 17.6 26.4

142 74.0 54.6 82.0





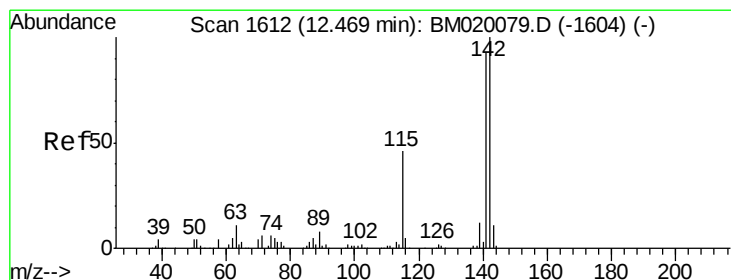
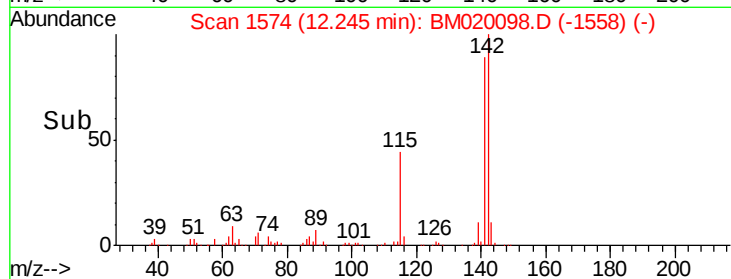
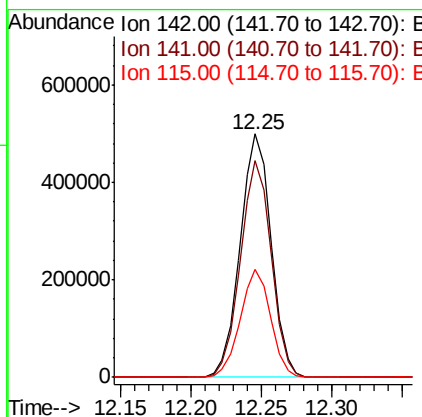
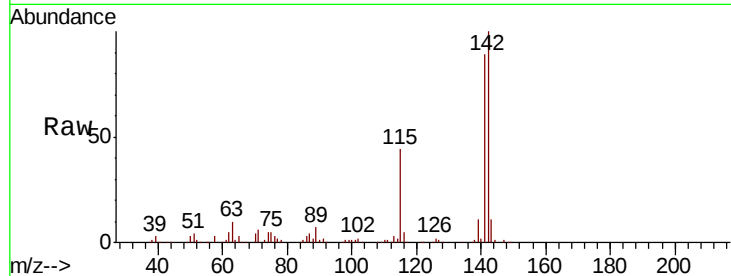
#37
2-Methylnaphthalene
Concen: 39.669 ng
RT: 12.25 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP4

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.6	107.4
115	44.4	35.8	53.6

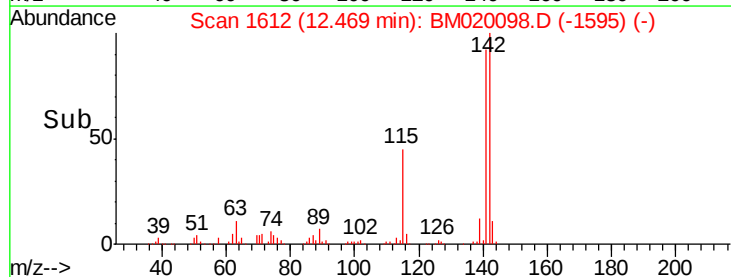
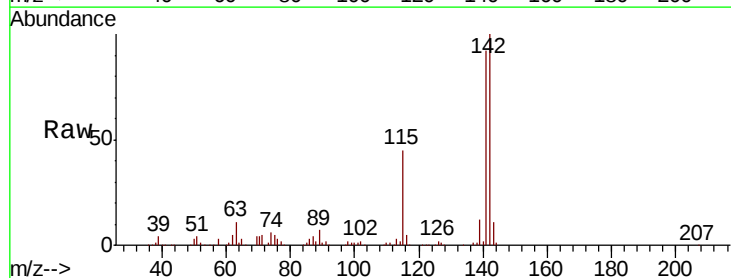
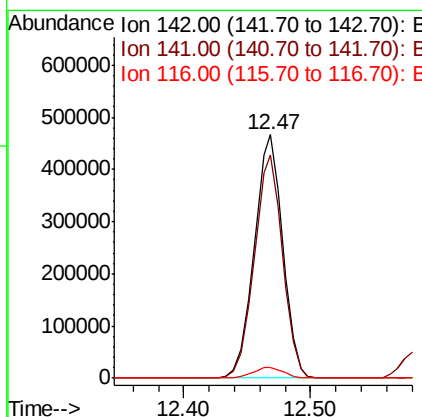
Manual Integrations
APPROVED

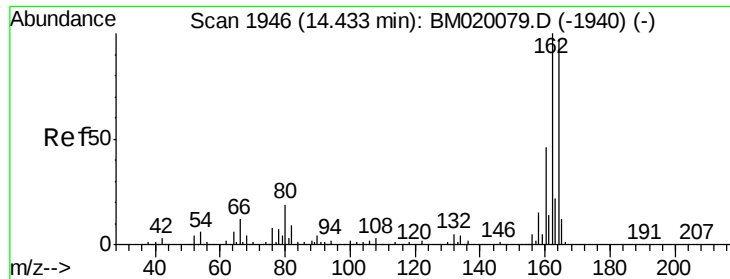
Sohil
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#38
1-Methylnaphthalene
Concen: 38.395 ng
RT: 12.47 min Scan# 1612
Delta R.T. 0.00 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.9	74.8	112.2
116	4.6	3.9	5.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.43 min Scan# 1946

Delta R.T. 0.00 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Instrument :

BNA_M

ClientSampleId :

IDOC SOIL-HP4

Tot Ion:164 Resp: 299829

Ion Ratio Lower Upper

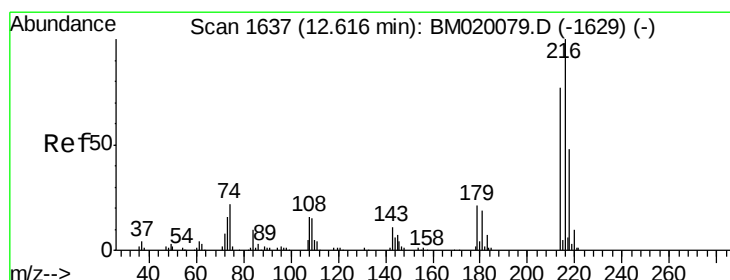
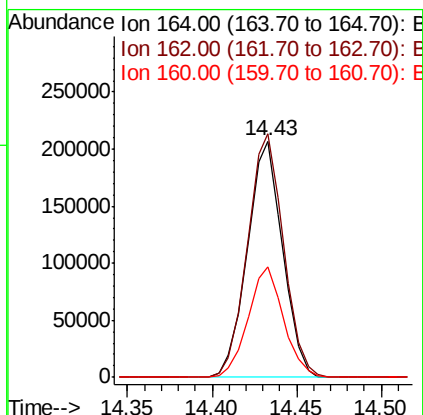
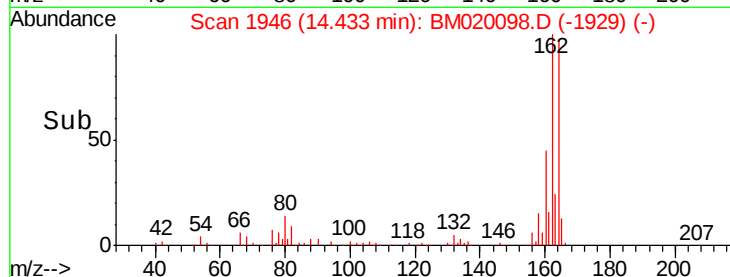
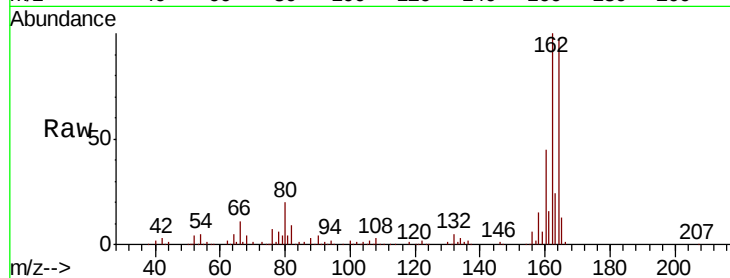
164 100

162 103.0 82.2 123.2

160 46.6 37.6 56.4

Manual Integrations
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#40

1,2,4,5-Tetrachlorobenzene

Concen: 42.261 ng

RT: 12.61 min Scan# 1636

Delta R.T. -0.01 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Tgt Ion:216 Resp: 495739

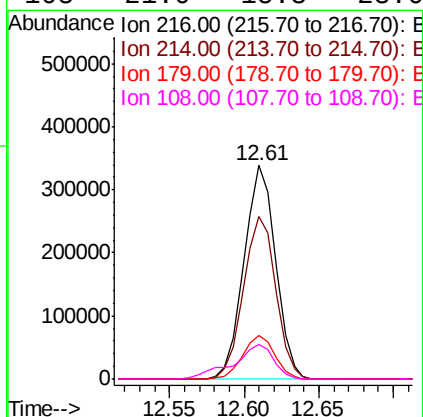
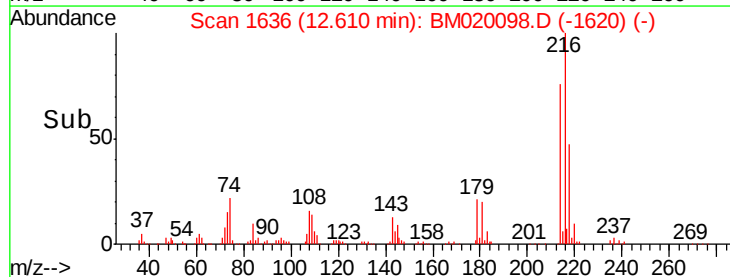
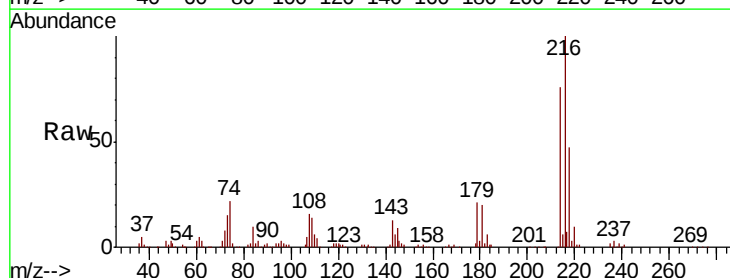
Ion Ratio Lower Upper

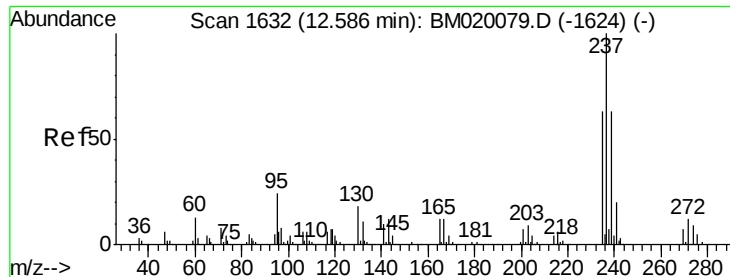
216 100

214 77.6 62.6 94.0

179 20.6 17.1 25.7

108 21.0 15.8 23.6





#41

Hexachlorocyclopentadiene

Concen: 93.505 ng

RT: 12.58 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Instrument :

BNA_M

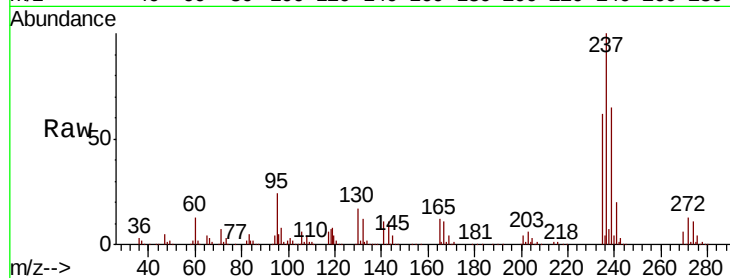
ClientSampleId :

IDOC SOIL-HP4

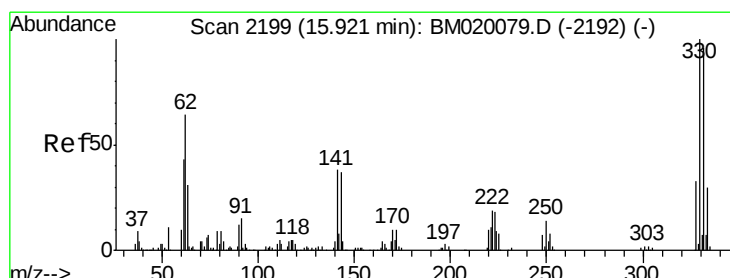
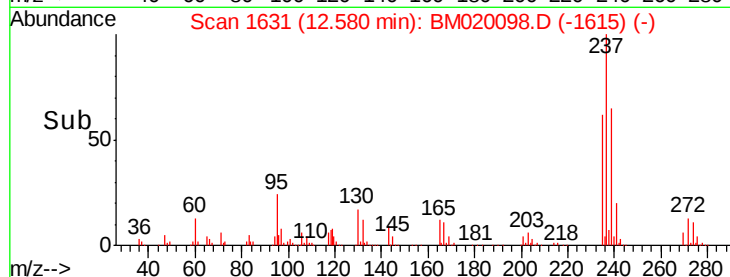
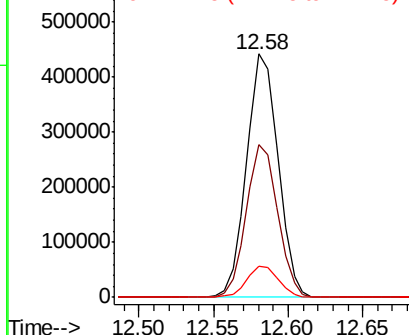
Tot Ion:	237	Resp:	645836
Ion Ratio	Lower	Upper	
237	100		
235	62.5	43.4	83.4
272	12.7	0.0	31.7

Manual Integrations
APPROVED

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5/2/2019 4:55:31 PM



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 134.890 ng

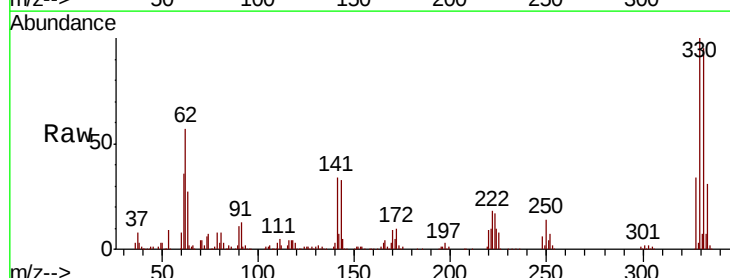
RT: 15.92 min Scan# 2199

Delta R.T. 0.00 min

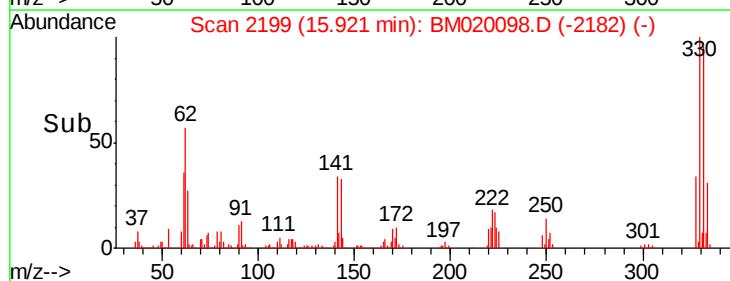
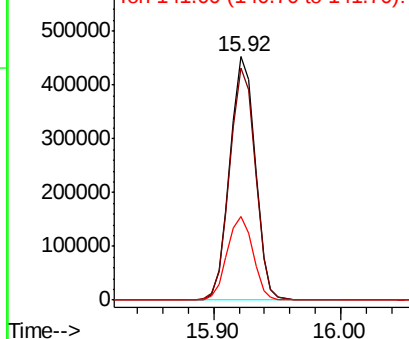
Lab File: BM020098.D

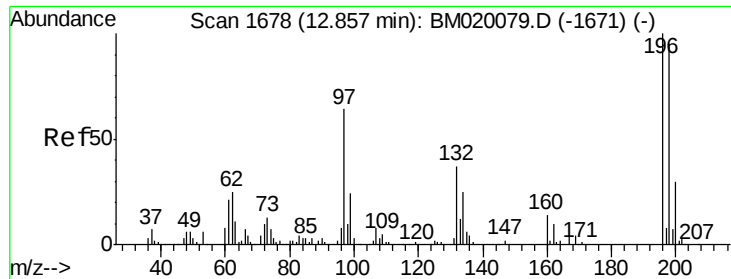
Acq: 01 May 2019 19:53

Tgt Ion:	330	Resp:	627767
Ion Ratio	Lower	Upper	
330	100		
332	96.0	76.8	115.2
141	35.0	29.2	43.8



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





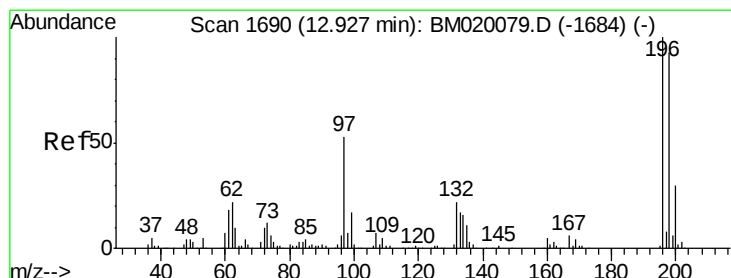
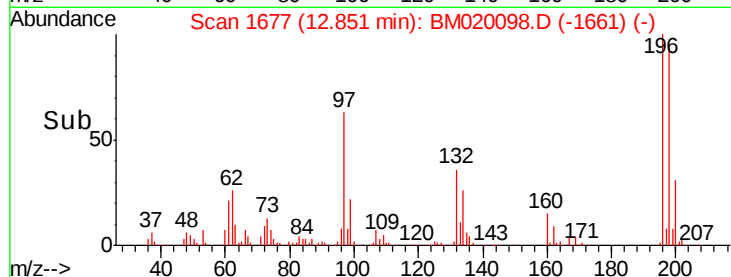
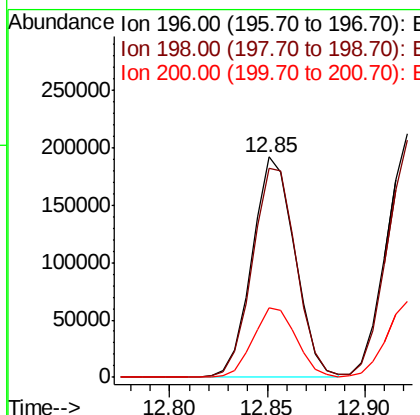
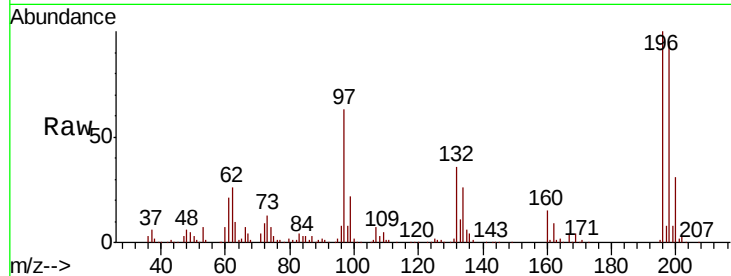
#43
 2,4,6-Trichlorophenol
 Concen: 43.719 ng
 RT: 12.85 min Scan# 1677
 Delta R.T. -0.01 min
 Lab File: BM020098.D
 Acq: 01 May 2019 19:53

Instrument :
 BNA_M
 ClientSampleId :
 IDOCSOIL-HP4

Tot Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.2	114.2
200	31.4	24.3	36.5

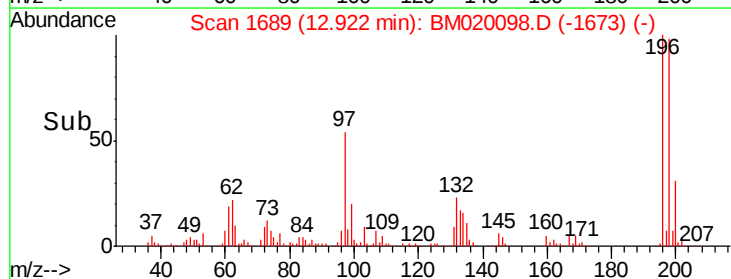
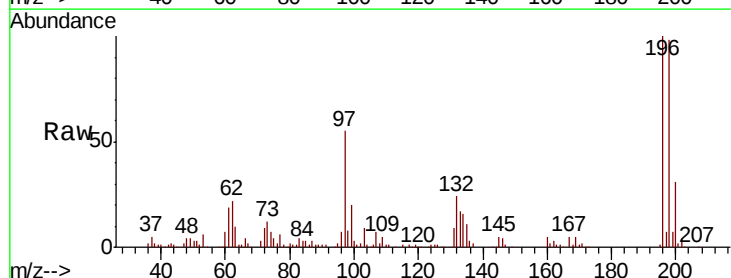
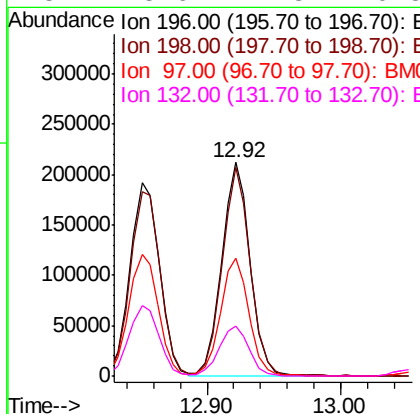
Manual Integrations
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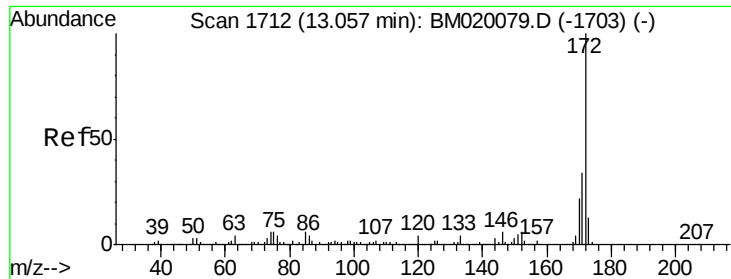
Sohil
 5/2/2019 4:55:31 PM



#44
 2,4,5-Trichlorophenol
 Concen: 42.109 ng
 RT: 12.92 min Scan# 1689
 Delta R.T. -0.01 min
 Lab File: BM020098.D
 Acq: 01 May 2019 19:53

Tgt Ion	Ratio	Lower	Upper
196	100		
198	97.6	74.7	112.1
97	54.9	42.2	63.4
132	23.6	17.8	26.8





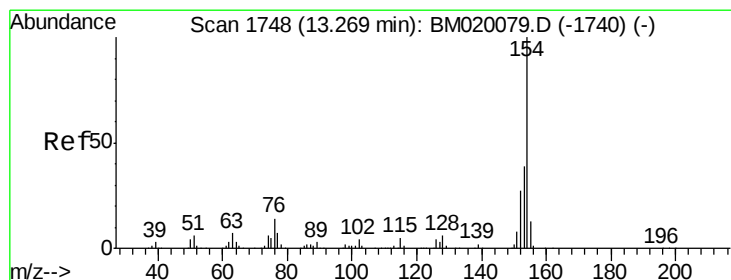
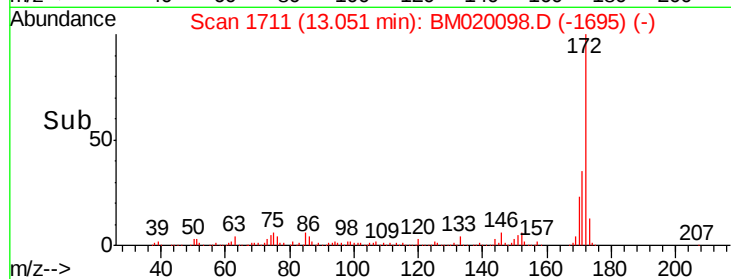
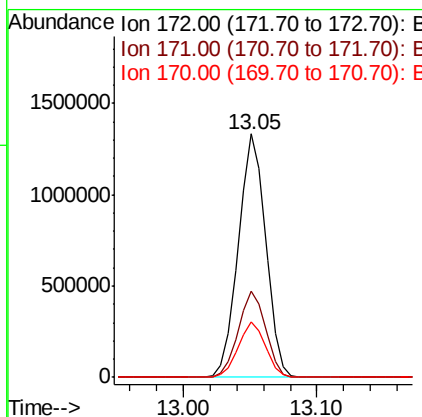
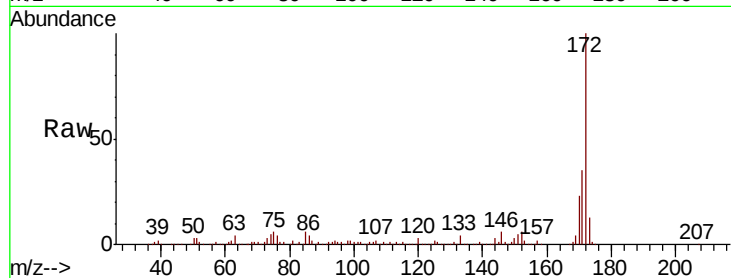
#45
2-Fluorobiphenyl
Concen: 77.460 ng
RT: 13.05 min Scan# 1711
Delta R.T. -0.01 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP4

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.3	40.9
170	22.8	17.9	26.9

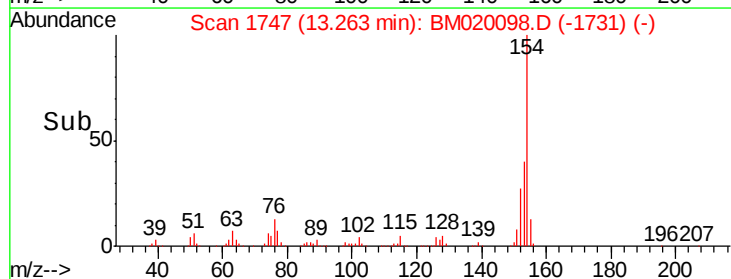
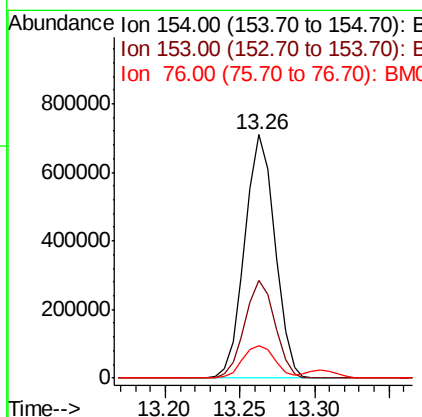
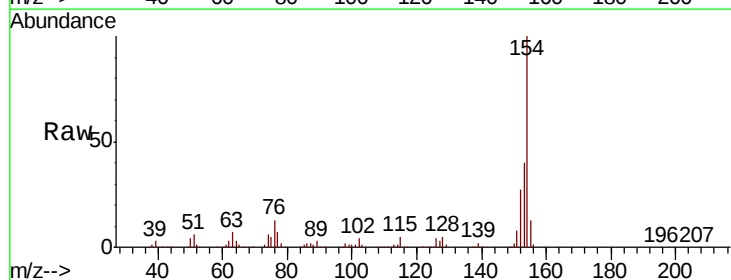
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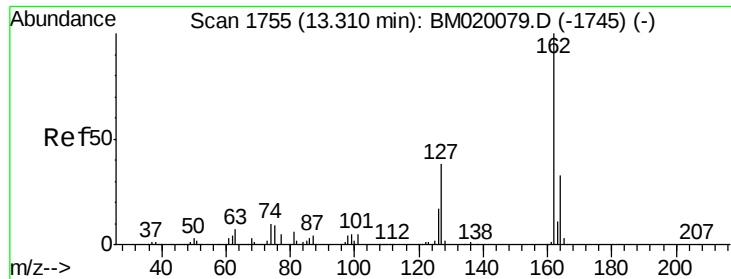
Sohil
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#46
1,1'-Biphenyl
Concen: 40.396 ng
RT: 13.26 min Scan# 1747
Delta R.T. -0.01 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.2	19.4	59.4
76	13.5	0.0	34.5





#47

2-Chloronaphthalene

Concen: 40.240 ng

RT: 13.30 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Instrument :

BNA_M

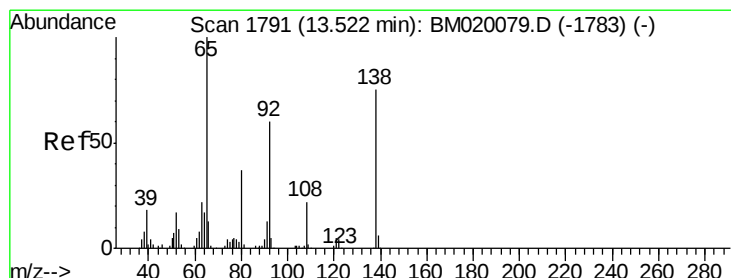
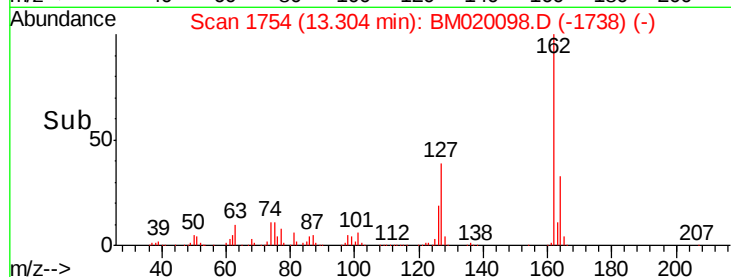
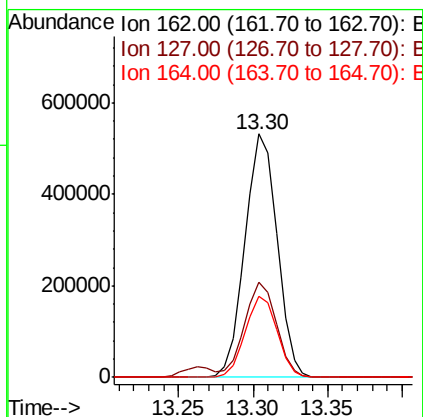
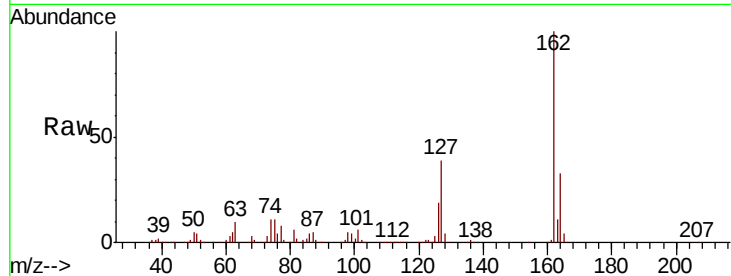
ClientSampleId :

IDOC SOIL-HP4

Tot Ion:	162	Resp:	792899
Ion Ratio	Lower	Upper	
162	100		
127	39.1	31.0	46.4
164	33.3	26.2	39.2

Manual Integrations
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#48

2-Nitroaniline

Concen: 38.044 ng

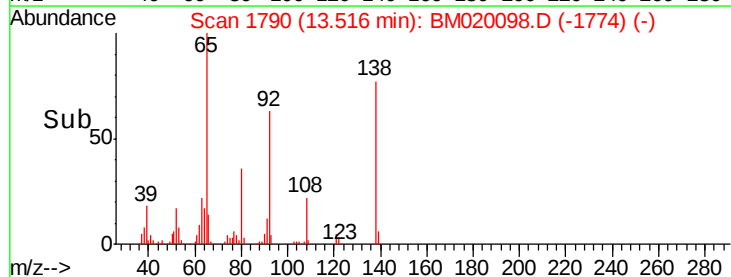
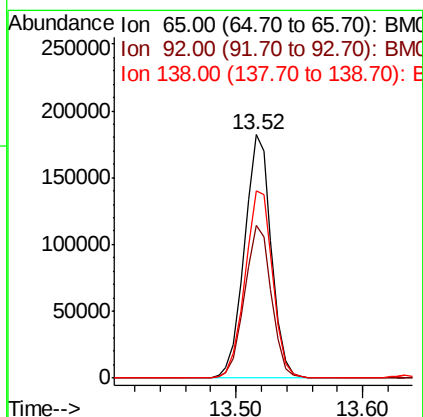
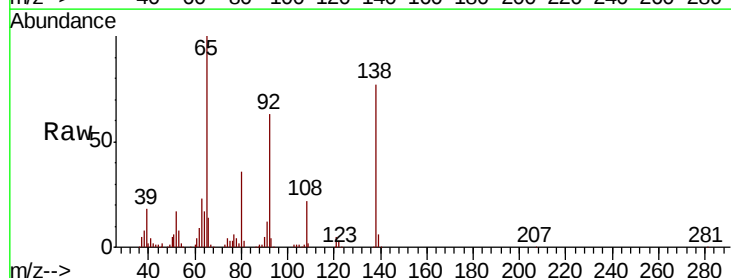
RT: 13.52 min Scan# 1790

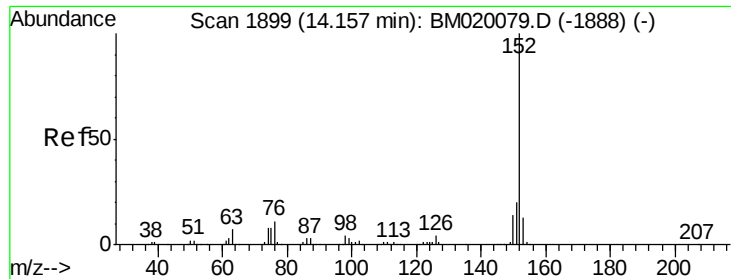
Delta R.T. -0.01 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Tgt Ion:	65	Resp:	266879
Ion Ratio	Lower	Upper	
65	100		
92	62.6	48.2	72.4
138	77.0	60.3	90.5





#49

Acenaphthylene

Concen: 37.953 ng

RT: 14.16 min Scan# 1899

Delta R.T. 0.00 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Instrument :

BNA_M

ClientSampleId :

IDOC SOIL-HP4

Tot Ion:152 Resp: 1196818

Ion Ratio Lower Upper

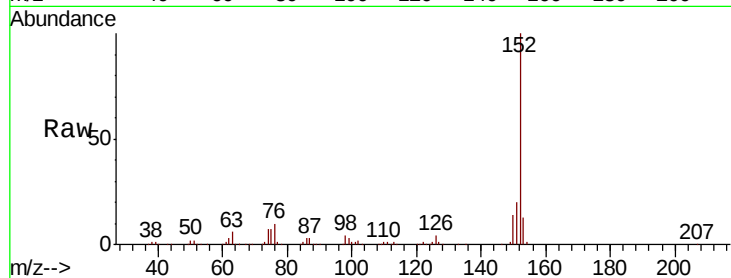
152 100

151 20.0 16.2 24.2

153 13.1 10.6 16.0

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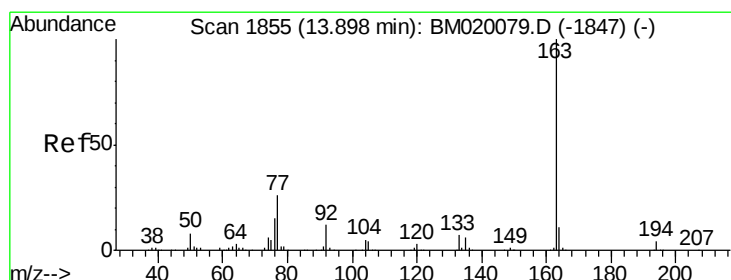
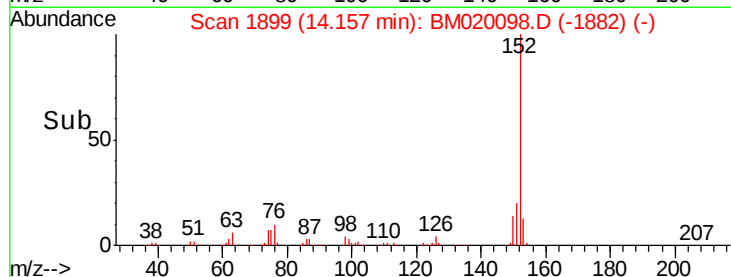
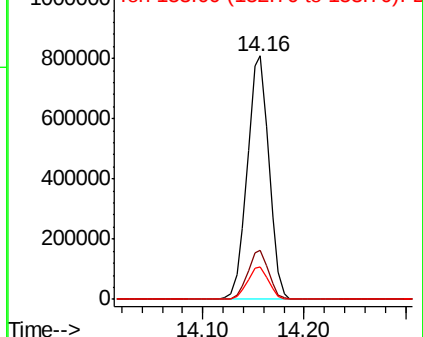


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 38.392 ng

RT: 13.89 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

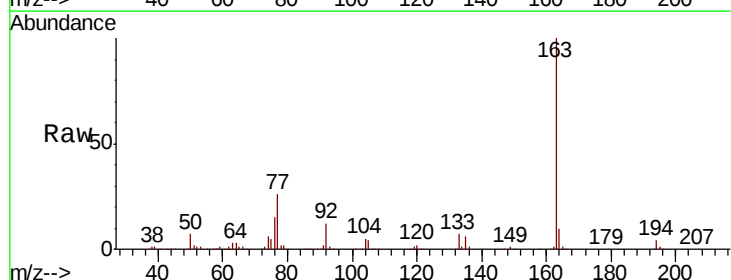
Tgt Ion:163 Resp: 978348

Ion Ratio Lower Upper

163 100

194 4.5 3.6 5.4

164 10.0 8.4 12.6

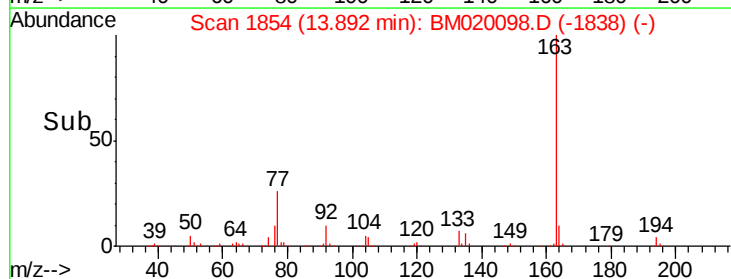
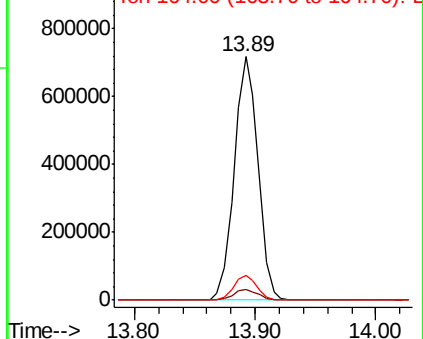


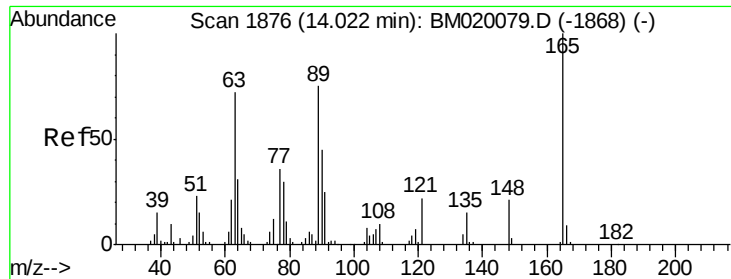
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 38.507 ng

RT: 14.02 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Instrument :

BNA_M

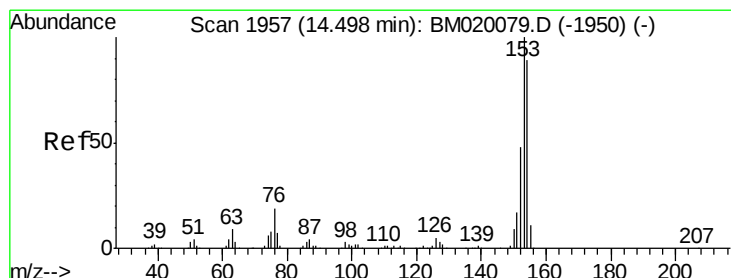
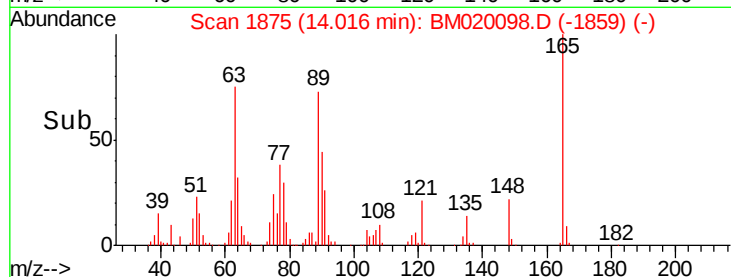
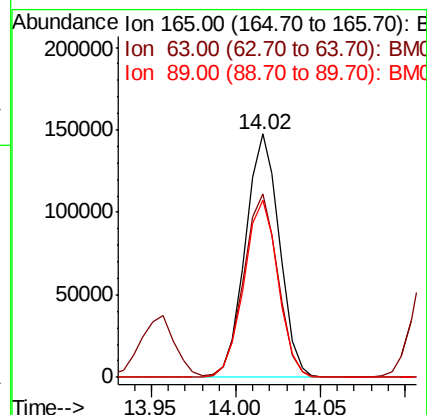
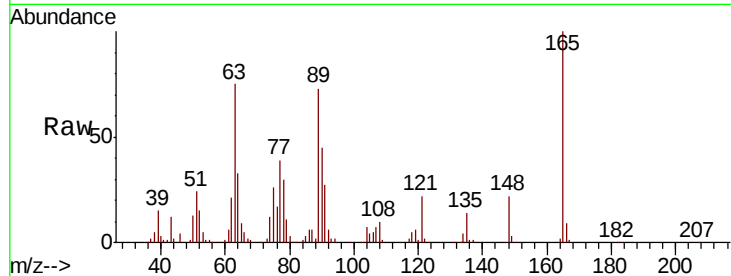
ClientSampleId :

IDOC SOIL-HP4

Tot Ion:	165	Resp:	206676
Ion Ratio	Lower	Upper	
165	100		
63	75.3	60.3	90.5
89	72.7	59.8	89.6

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#52

Acenaphthene

Concen: 39.247 ng

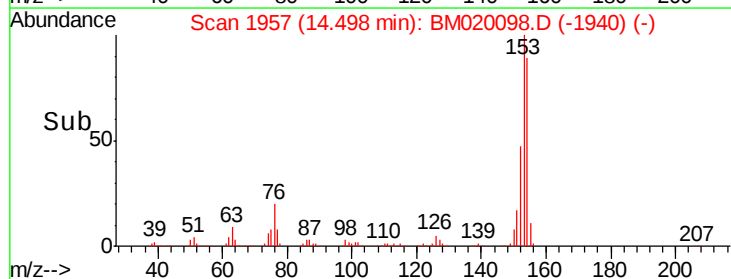
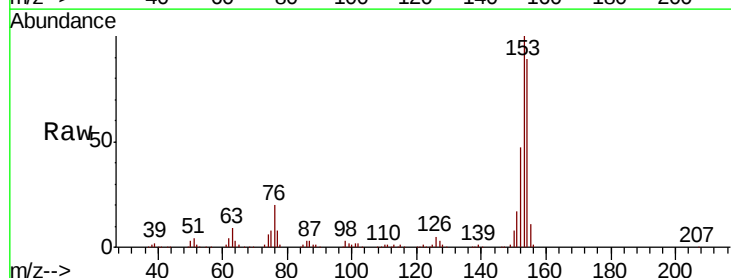
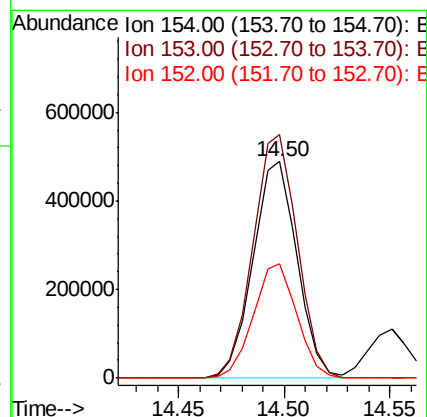
RT: 14.50 min Scan# 1957

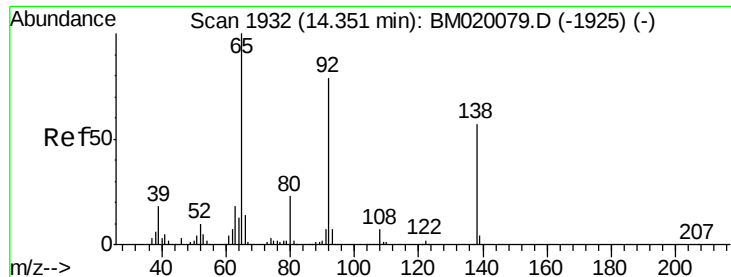
Delta R.T. 0.00 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Tgt Ion:	154	Resp:	709721
Ion Ratio	Lower	Upper	
154	100		
153	112.4	90.2	135.2
152	53.0	43.0	64.4





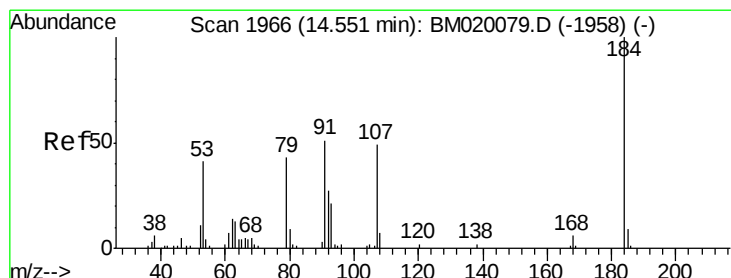
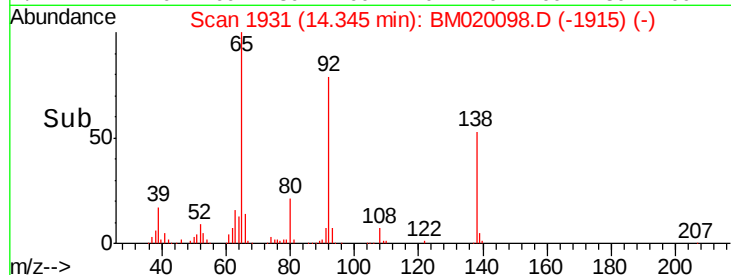
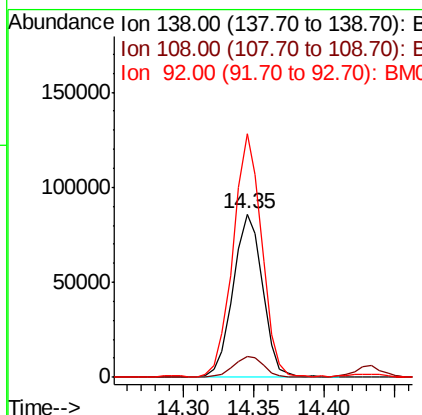
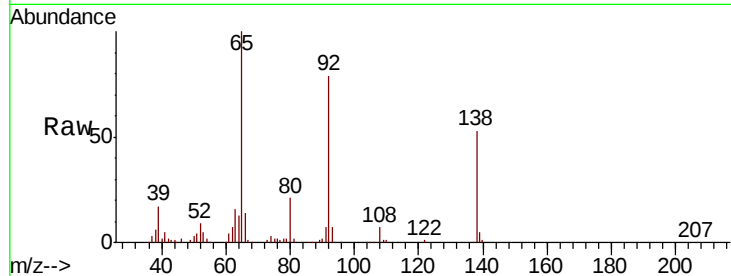
#53
3-Nitroaniline
Concen: 25.207 ng
RT: 14.35 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP4

Tot Ion	Ratio	Lower	Upper
138	100		
108	13.2	10.4	15.6
92	149.4	111.3	166.9

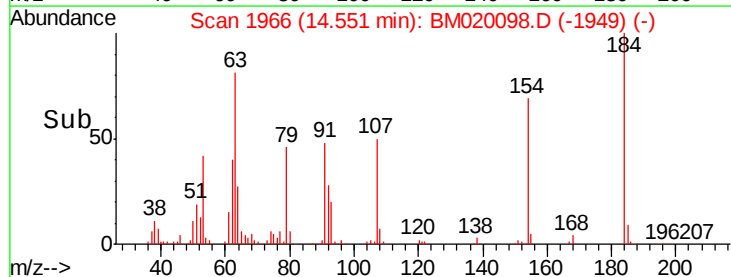
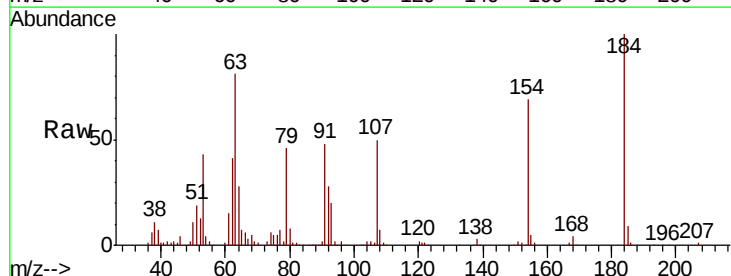
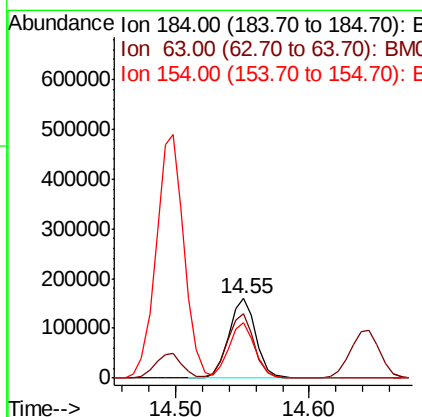
Manual Integrations
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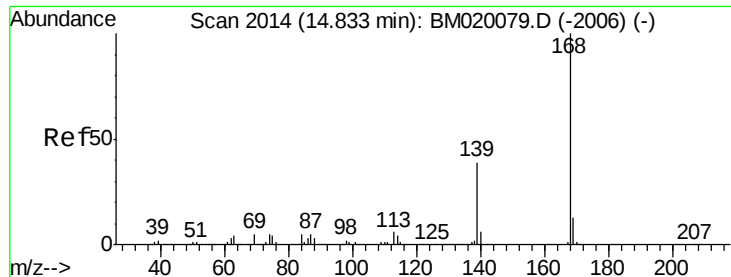
Sohil
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#54
2,4-Dinitrophenol
Concen: 83.577 ng
RT: 14.55 min Scan# 1966
Delta R.T. 0.00 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Tgt Ion	Ratio	Lower	Upper
184	100		
63	81.5	68.9	103.3
154	69.1	54.4	81.6





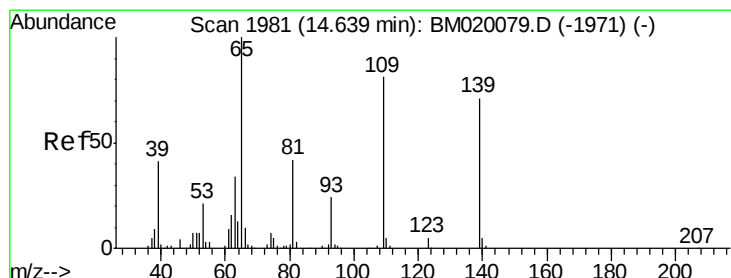
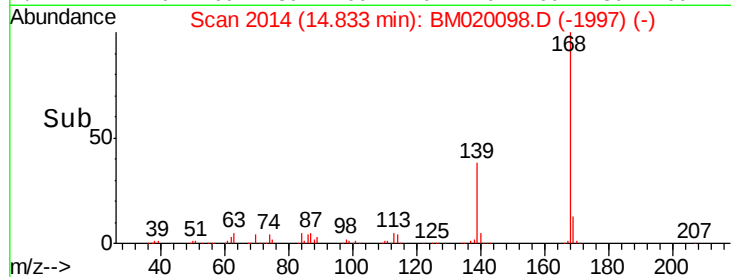
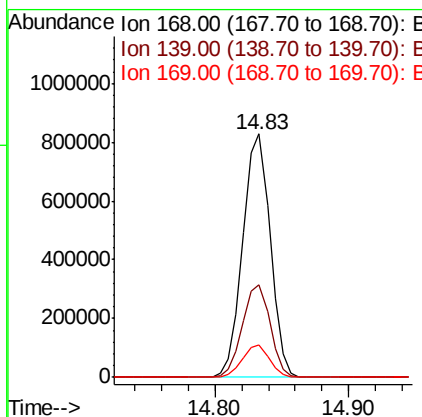
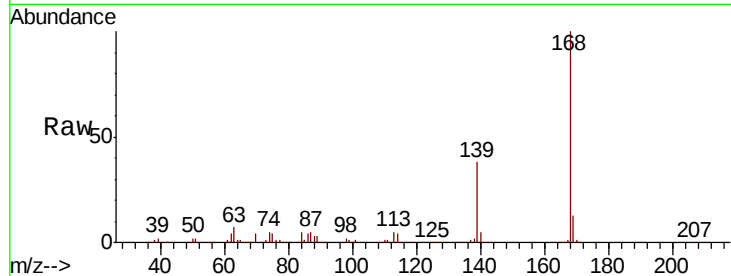
#55
Dibenzenofuran
Concen: 38.559 ng
RT: 14.83 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Instrument :
BNA_M
ClientSampled :
IDOC SOIL-HP4

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.0	31.1	46.7
169	13.2	10.6	16.0

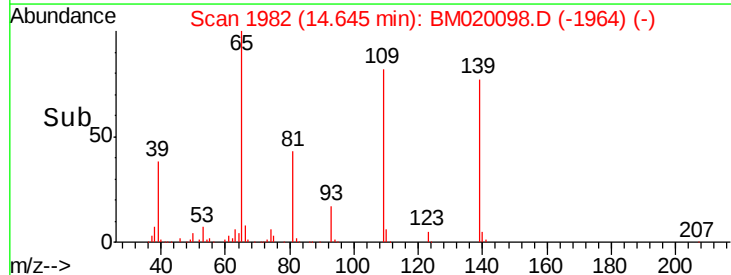
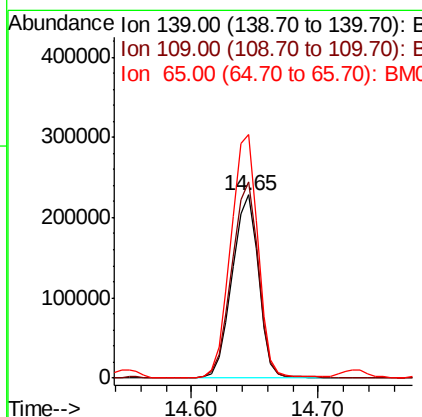
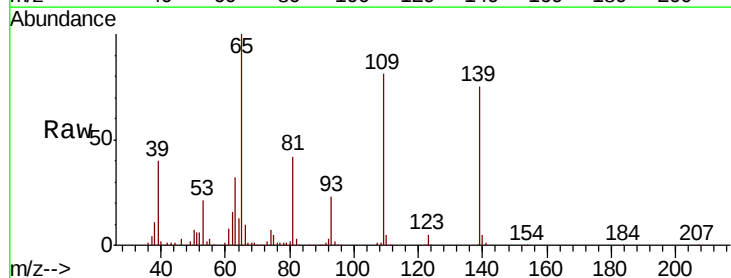
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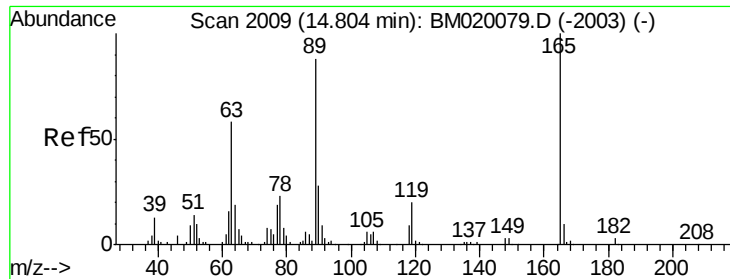
Sohil
5/2/2019 4:55:31 PM



#56
4-Nitrophenol
Concen: 77.411 ng
RT: 14.65 min Scan# 1982
Delta R.T. 0.01 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Tgt Ion	Ratio	Lower	Upper
139	100		
109	107.1	94.1	134.1
65	133.0	120.9	160.9





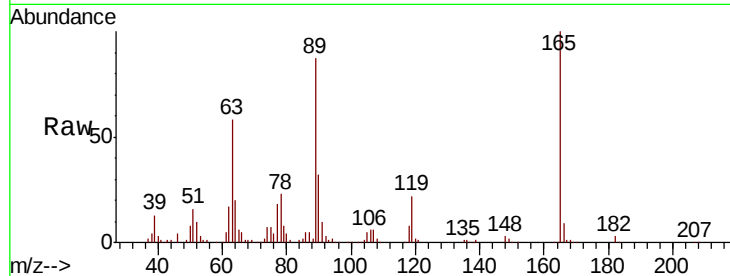
#57
2,4-Dinitrotoluene
Concen: 38.598 ng
RT: 14.80 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP4

Tot Ion	Ratio	Lower	Upper
165	100		
63	58.4	46.2	69.2
89	86.7	70.6	105.8
182	2.9	2.2	3.2

Manual Integrations
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5/2/2019 4:55:31 PM



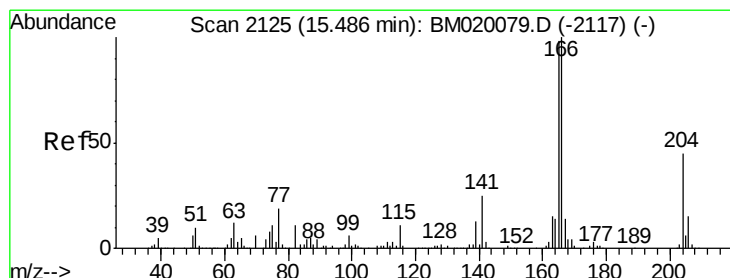
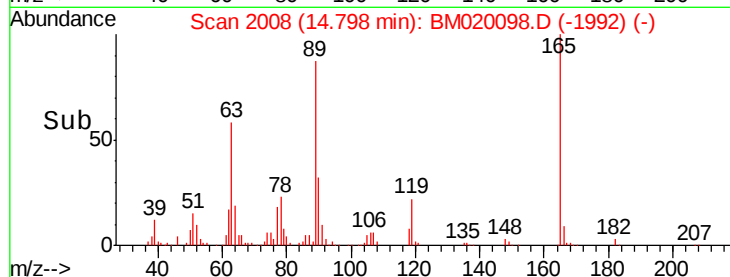
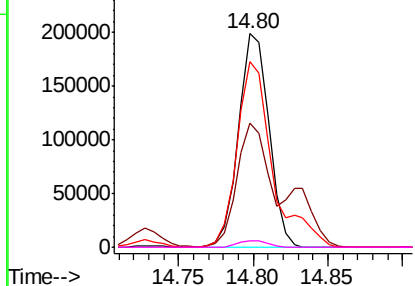
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

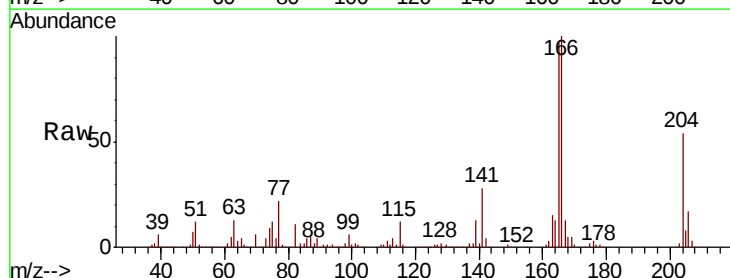
Ion 89.00 (88.70 to 89.70): BM

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 37.584 ng
RT: 15.48 min Scan# 2124
Delta R.T. -0.01 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.2	117.2
167	13.3	11.0	16.4

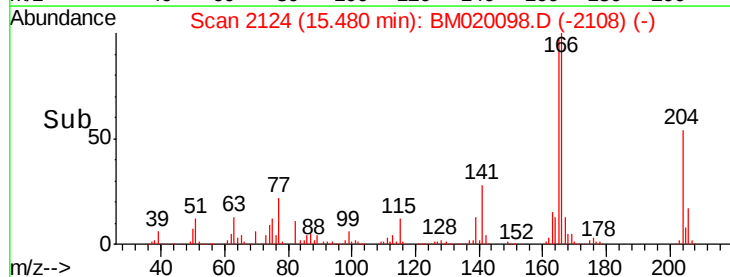
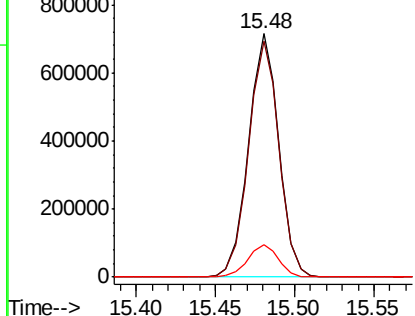


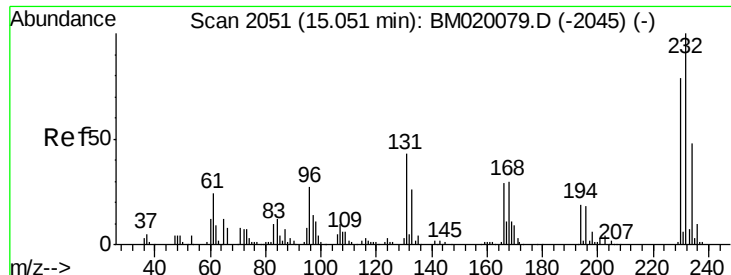
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





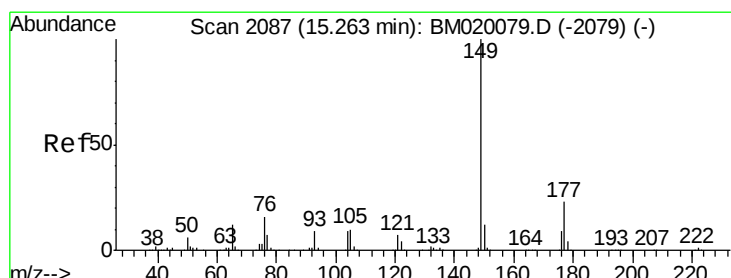
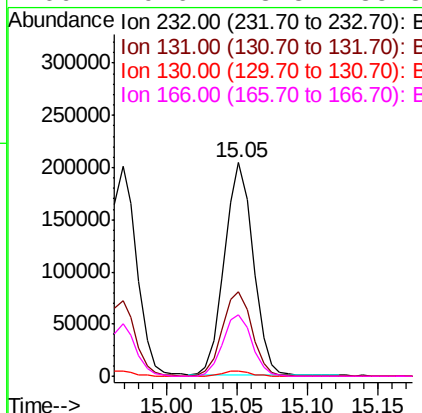
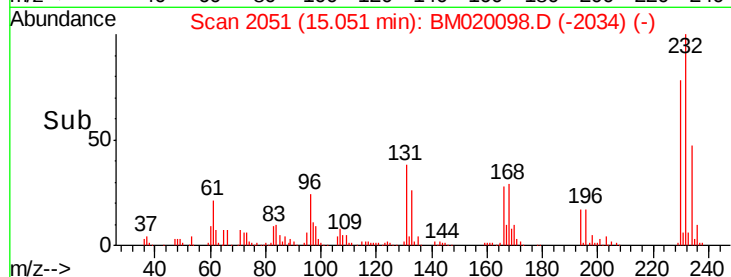
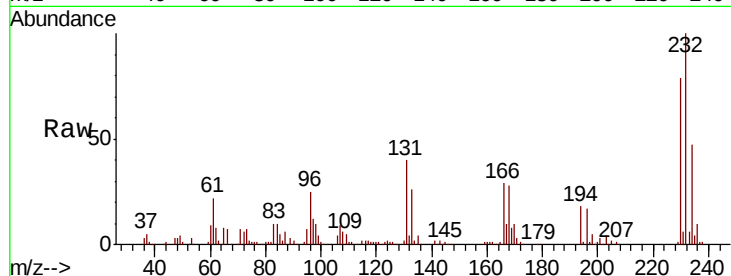
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 41.049 ng
 RT: 15.05 min Scan# 2051
 Delta R.T. 0.00 min
 Lab File: BM020098.D
 Acq: 01 May 2019 19:53

Instrument :
 BNA_M
 ClientSampleId :
 IDOCSOIL-HP4

Tot Ion	Ratio	Resp	Lower	Upper
232	100	290522		
131	40.7		34.2	51.4
130	2.5		2.0	3.0
166	29.6		23.8	35.8

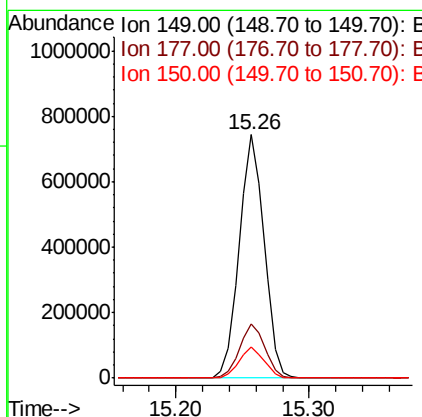
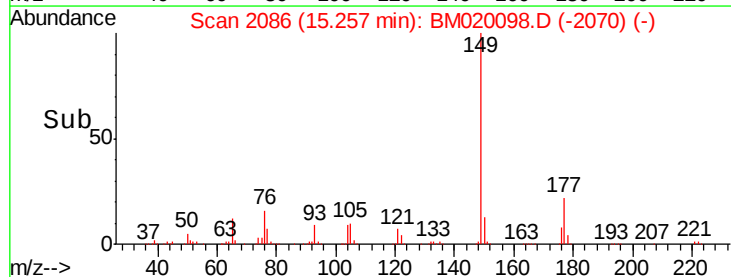
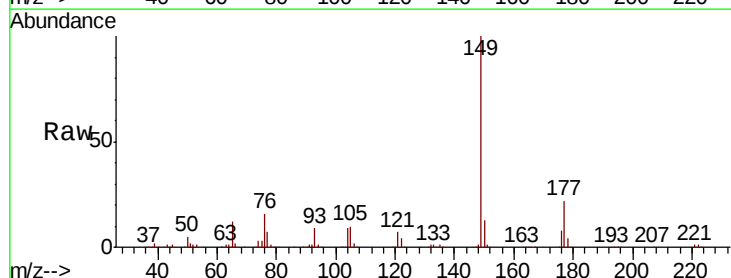
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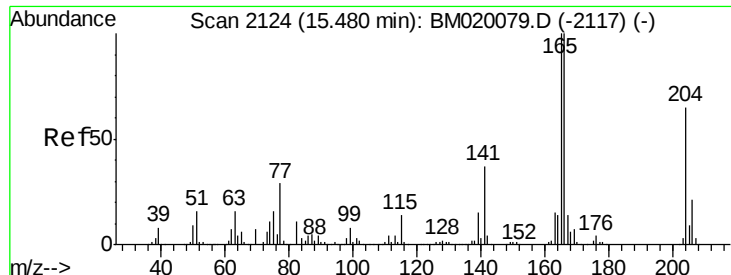
Sohil
 5/2/2019 4:55:31 PM



#60
 Diethylphthalate
 Concen: 37.330 ng
 RT: 15.26 min Scan# 2086
 Delta R.T. -0.01 min
 Lab File: BM020098.D
 Acq: 01 May 2019 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	958419		
177	22.5		18.2	27.4
150	12.6		9.9	14.9





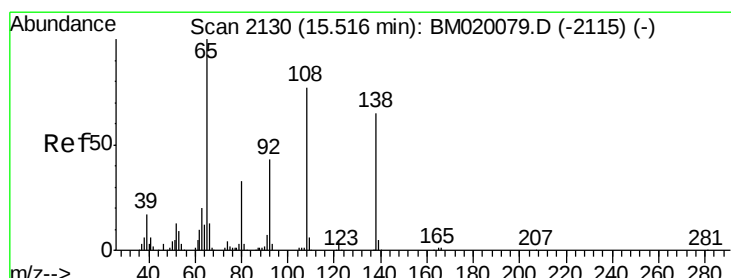
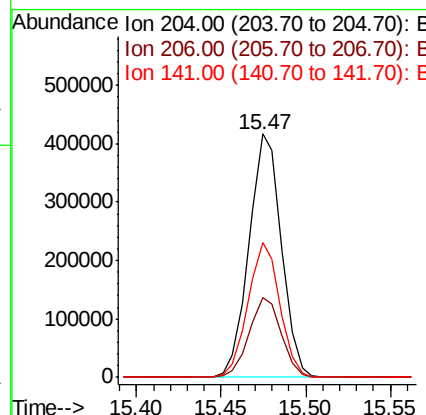
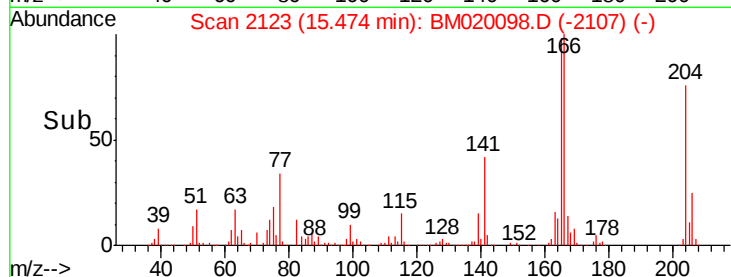
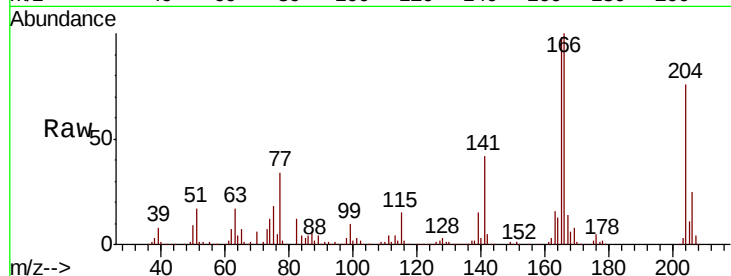
#61
4-Chlorophenyl-phenylether
Concen: 39.217 ng
RT: 15.47 min Scan# 2123
Delta R.T. -0.01 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP4

Tot Ion	Ratio	Resp	Lower	Upper
204	100	556650		
206	32.9	25.6	38.4	
141	55.1	46.1	69.1	

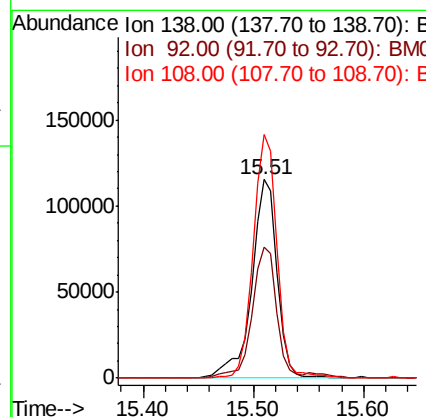
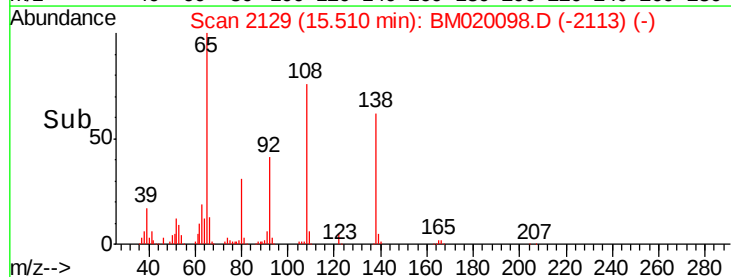
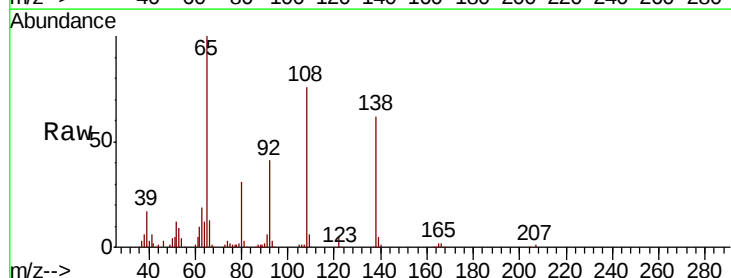
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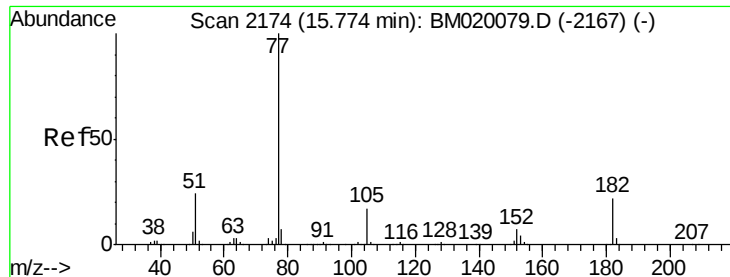
Sohil
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#62
4-Nitroaniline
Concen: 33.875 ng
RT: 15.51 min Scan# 2129
Delta R.T. -0.01 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	186228		
92	65.7	45.9	85.9	
108	122.7	97.7	137.7	





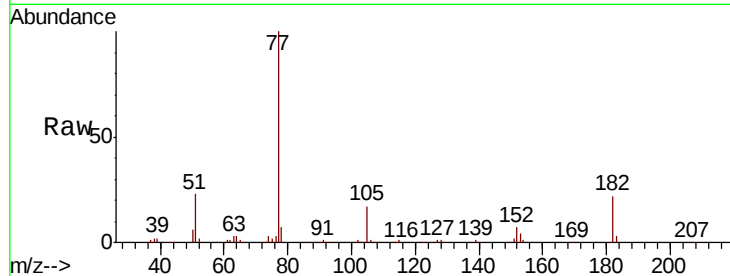
#63
Azobenzene
Concen: 36.927 ng
RT: 15.77 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP4

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	22.3	2.1	42.1	
105	16.5	0.0	36.8	
51	23.2	3.8	43.8	

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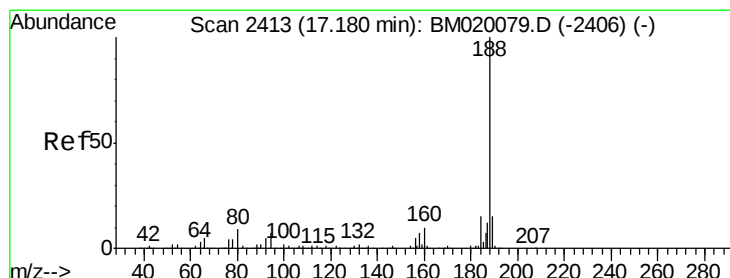
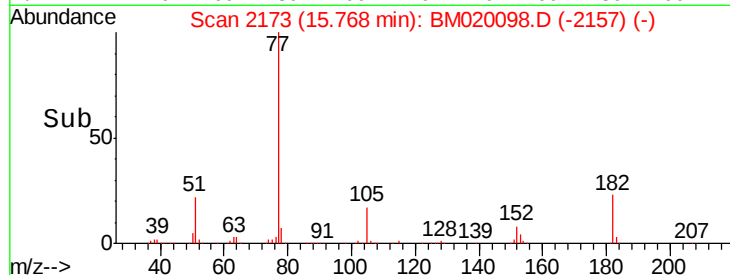
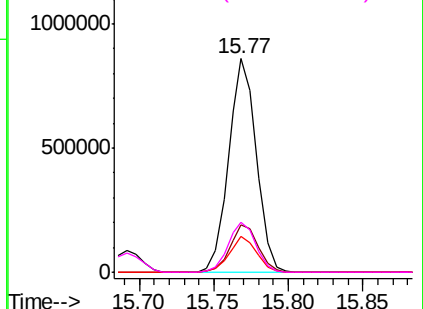


Abundance Ion 77.00 (76.70 to 77.70): BM020079.D (-2167) (-)

Ion 182.00 (181.70 to 182.70): BM020079.D (-2167) (-)

Ion 105.00 (104.70 to 105.70): BM020079.D (-2167) (-)

Ion 51.00 (50.70 to 51.70): BM020079.D (-2167) (-)



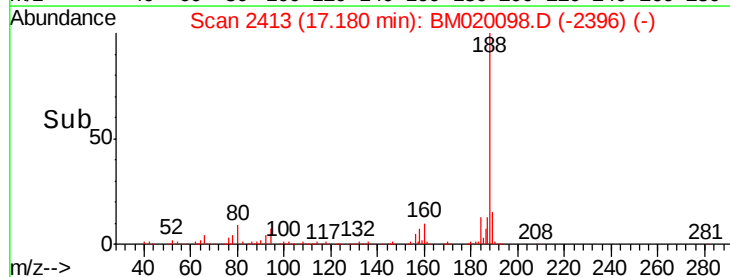
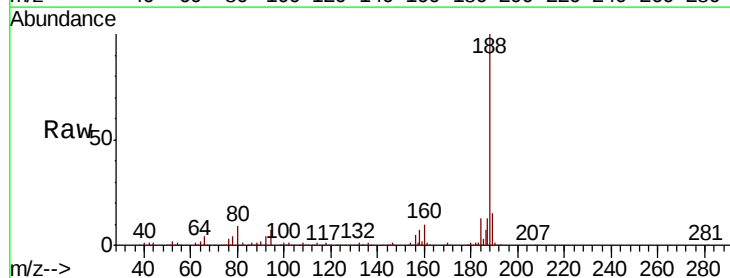
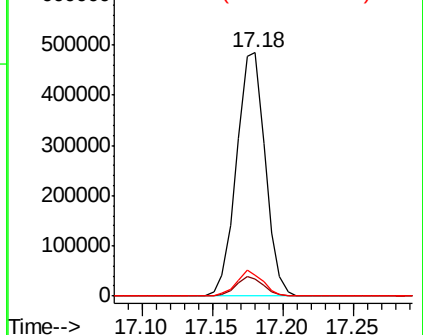
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.18 min Scan# 2413
Delta R.T. 0.00 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

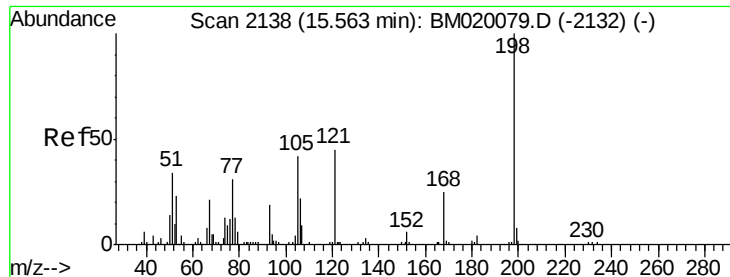
Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	6.8	5.8	8.6	
80	8.7	7.4	11.2	

Abundance Ion 188.00 (187.70 to 188.70): BM020079.D (-2406) (-)

Ion 94.00 (93.70 to 94.70): BM020079.D (-2406) (-)

Ion 80.00 (79.70 to 80.70): BM020079.D (-2406) (-)





#65

4,6-Dinitro-2-methylphenol

Concen: 40.436 ng

RT: 15.56 min Scan# 2137

Delta R.T. -0.01 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Instrument :

BNA_M

ClientSampleId :

IDOC SOIL-HP4

Tot Ion:198 Resp: 135749

Ion Ratio Lower Upper

198 100

51 35.1 16.5 56.5

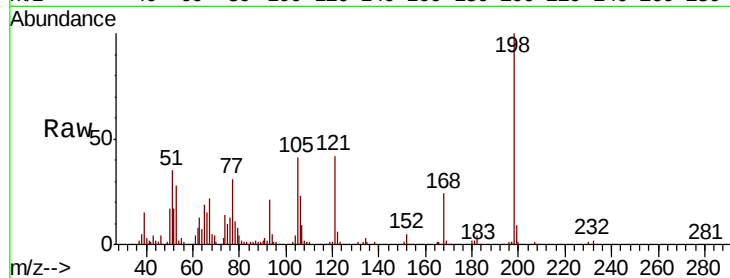
105 41.4 22.8 62.8

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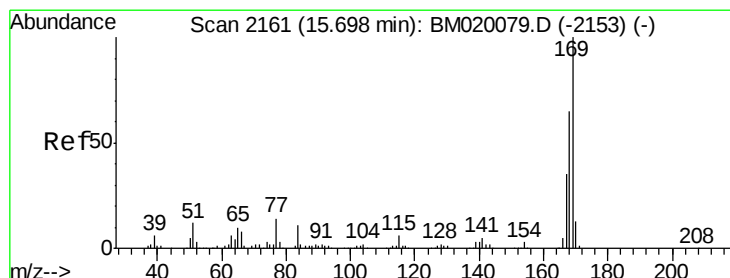
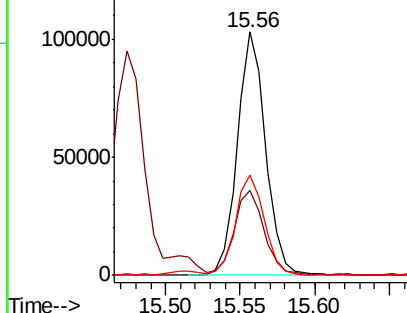
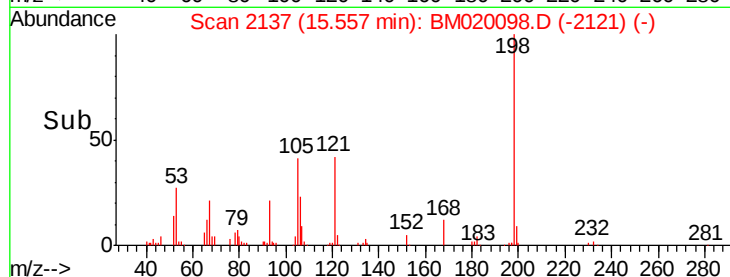
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 40.312 ng

RT: 15.69 min Scan# 2160

Delta R.T. -0.01 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

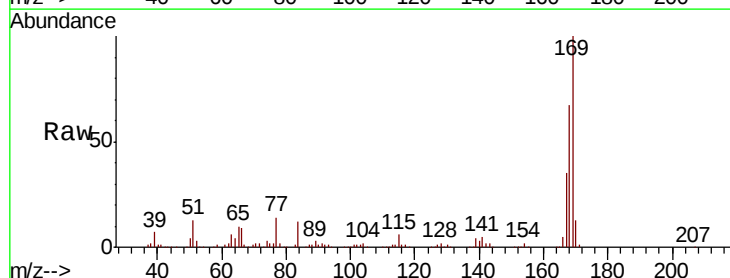
Tgt Ion:169 Resp: 816020

Ion Ratio Lower Upper

169 100

168 66.9 51.9 77.9

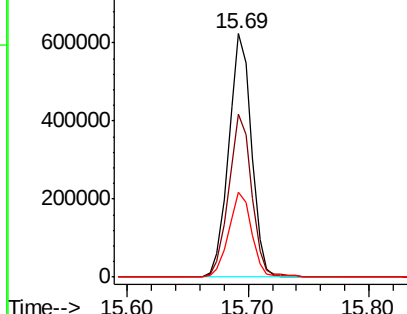
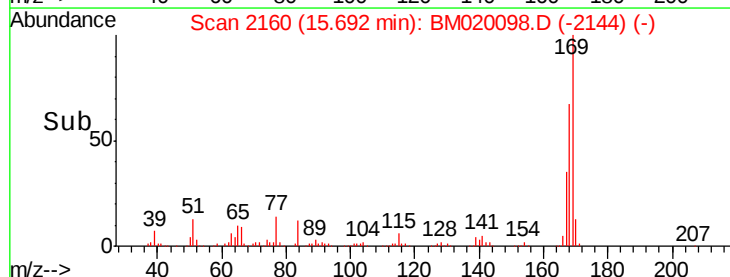
167 35.0 27.8 41.6

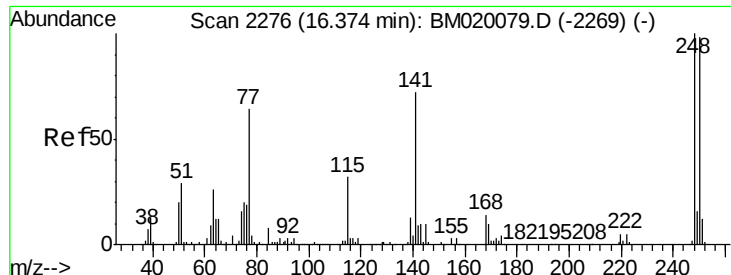


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 39.576 ng

RT: 16.37 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Instrument :

BNA_M

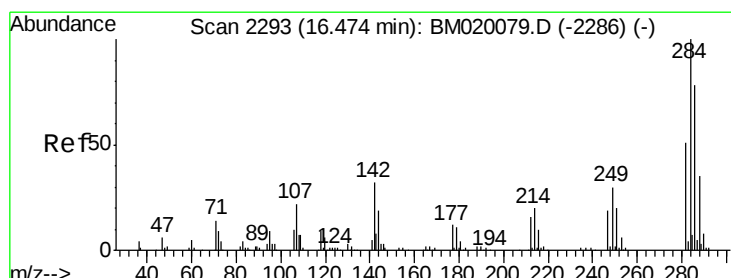
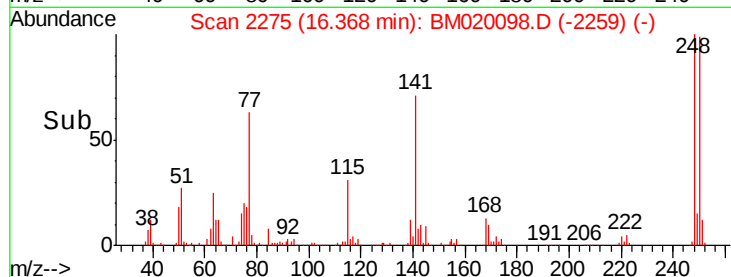
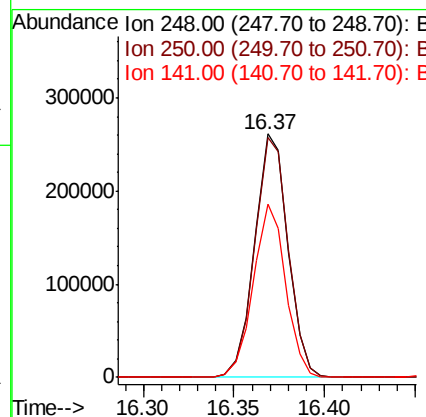
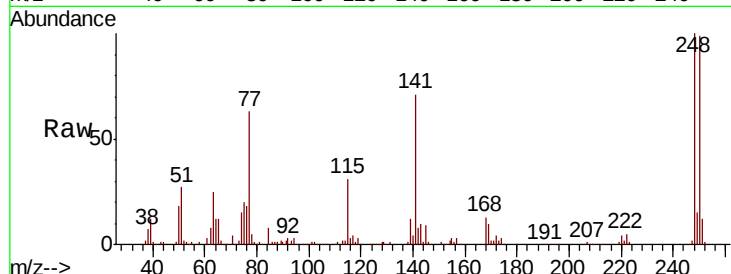
ClientSampleId :

IDOC SOIL-HP4

Tot Ion:	248	Resp:	333852
Ion Ratio	Lower	Upper	
248	100		
250	98.7	78.4	117.6
141	71.1	57.4	86.2

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#68

Hexachlorobenzene

Concen: 39.609 ng

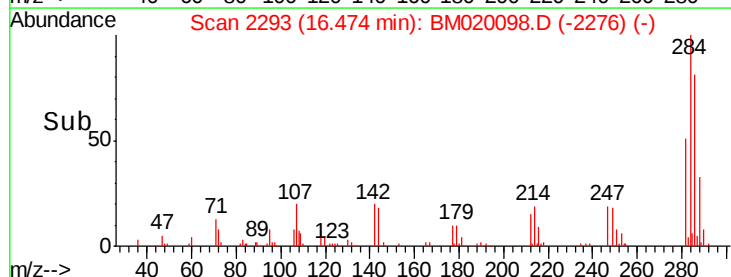
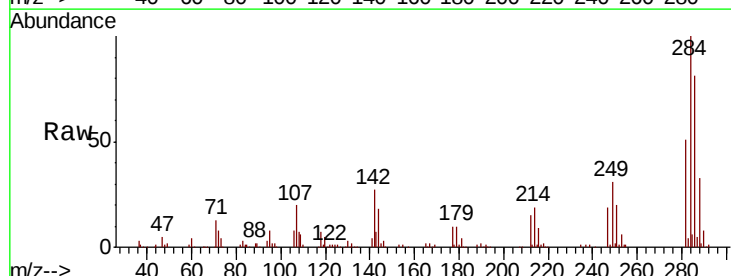
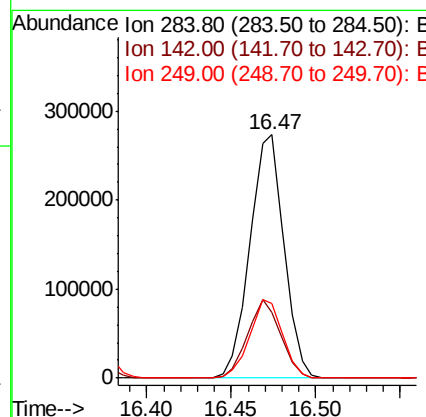
RT: 16.47 min Scan# 2293

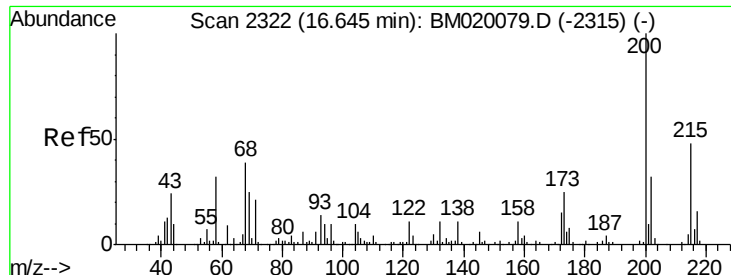
Delta R.T. 0.00 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Tgt Ion:	284	Resp:	384498
Ion Ratio	Lower	Upper	
284	100		
142	27.2	25.2	37.8
249	30.9	23.6	35.4





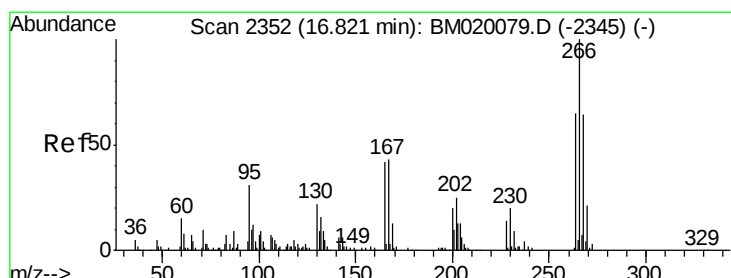
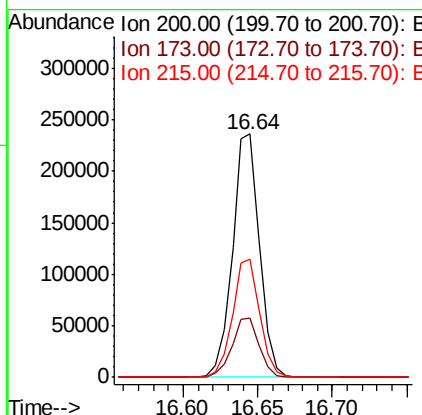
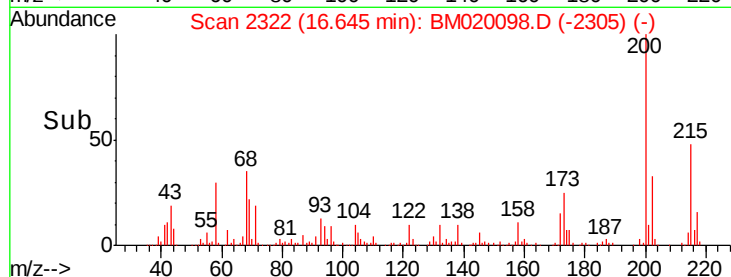
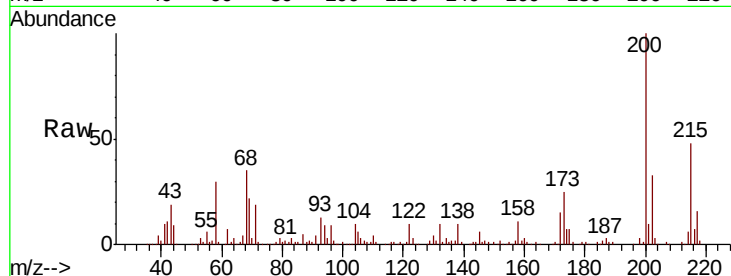
#69
Atrazine
Concen: 37.634 ng
RT: 16.64 min Scan# 2322
Delta R.T. 0.00 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP4

Tot Ion	Ratio	Lower	Upper
200	100		
173	24.5	4.6	44.6
215	48.3	28.0	68.0

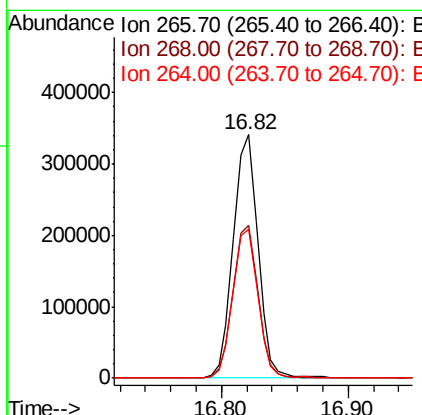
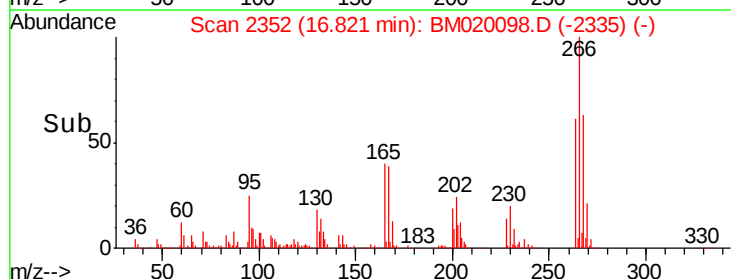
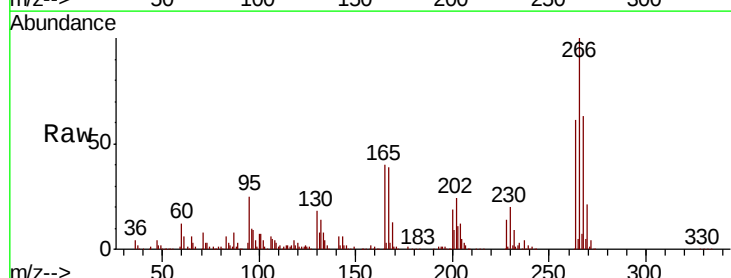
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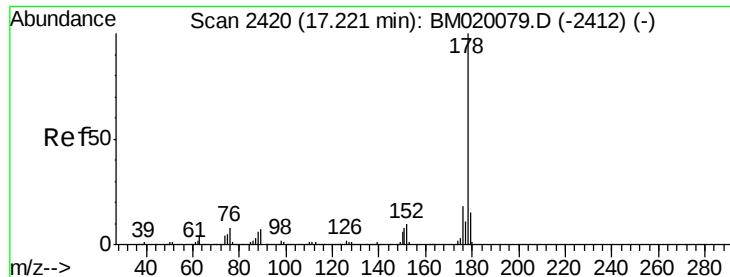
Sohil
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#70
Pentachlorophenol
Concen: 83.379 ng
RT: 16.82 min Scan# 2352
Delta R.T. 0.00 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.6	51.4	77.0
264	61.0	52.0	78.0





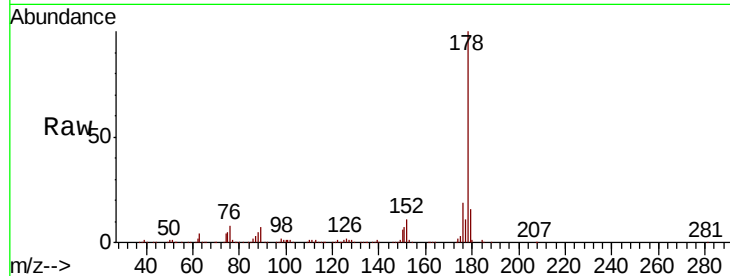
#71
Phenanthrene
Concen: 38.137 ng
RT: 17.22 min Scan# 2420
Delta R.T. 0.00 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP4

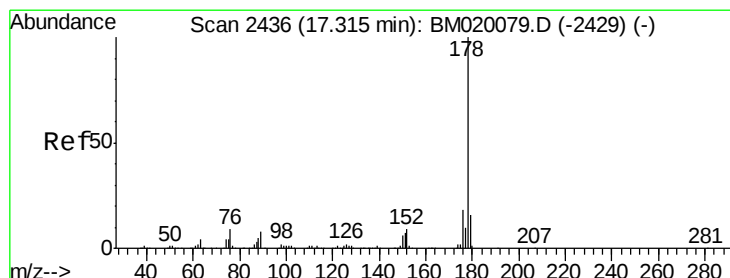
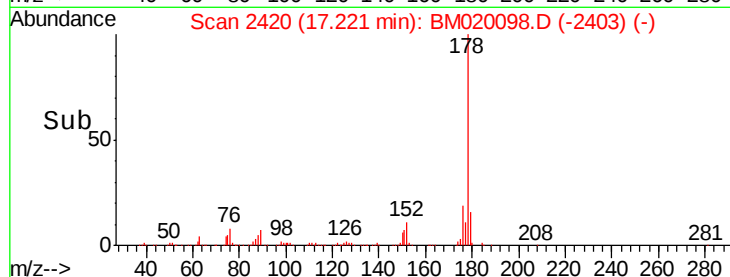
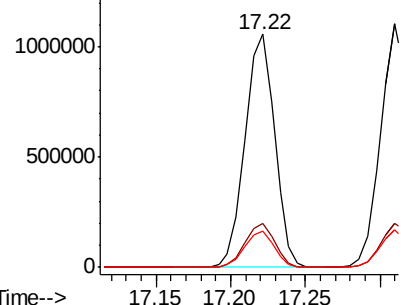
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	15.8	12.4	18.6

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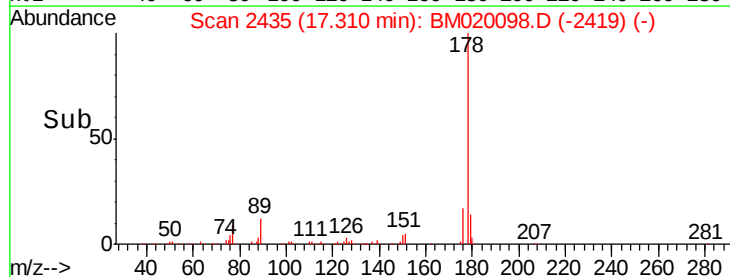
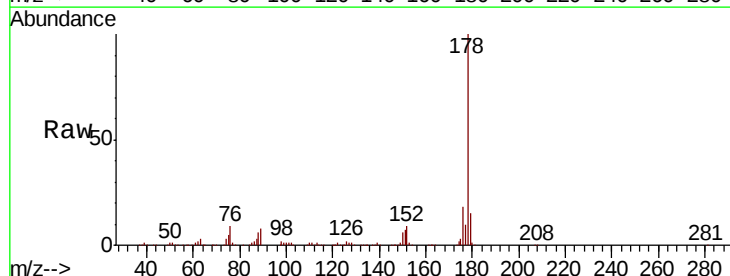
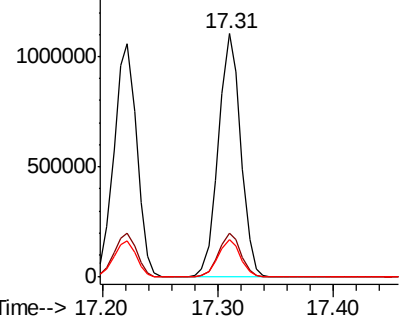
Abundance Ion 178.00 (177.70 to 178.70): E
1500000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

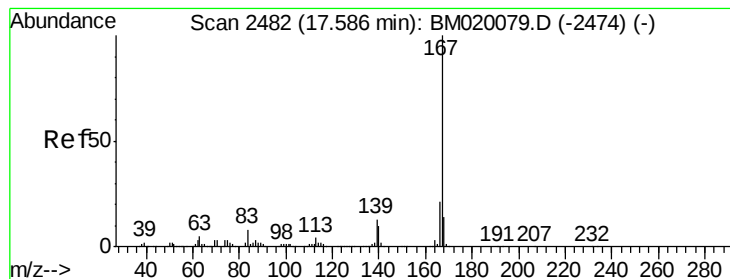


#72
Anthracene
Concen: 39.020 ng
RT: 17.31 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	22.0
179	15.2	12.4	18.6

Abundance Ion 178.00 (177.70 to 178.70): E
1500000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 36.793 ng

RT: 17.59 min Scan# 2482

Delta R.T. 0.00 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Instrument :

BNA_M

ClientSampleId :

IDOC SOIL-HP4

Tot Ion:167 Resp: 1260473

Ion Ratio Lower Upper

167 100

166 21.5 17.0 25.6

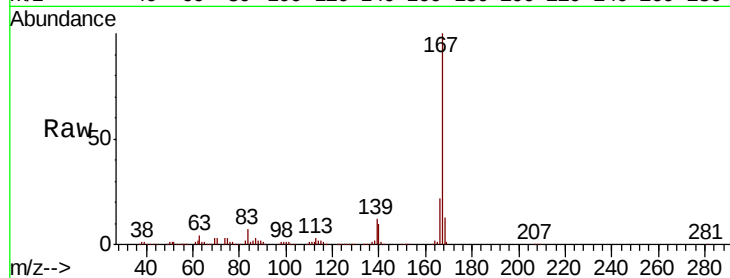
139 12.0 10.6 16.0

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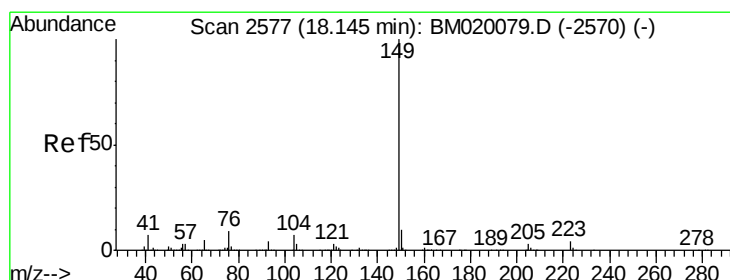
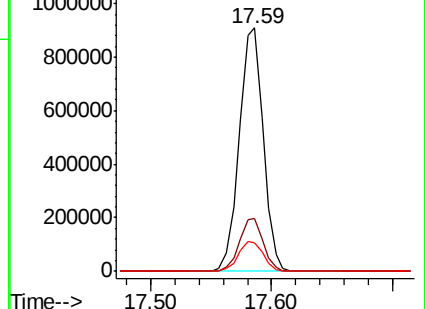
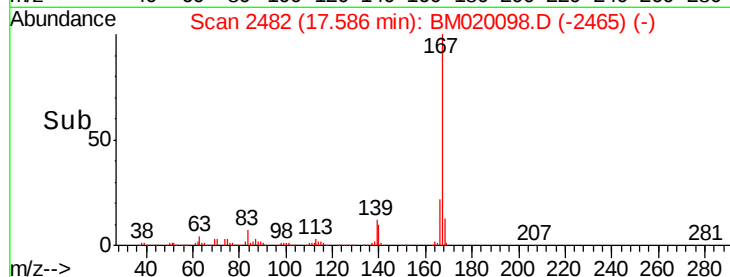
5/2/2019 4:55:31 PM



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 37.324 ng

RT: 18.14 min Scan# 2577

Delta R.T. 0.00 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

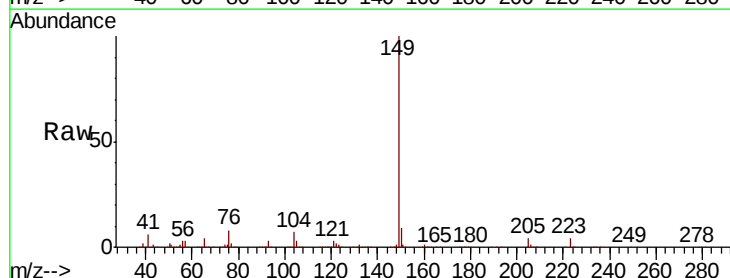
Tgt Ion:149 Resp: 1538784

Ion Ratio Lower Upper

149 100

150 8.8 7.8 11.6

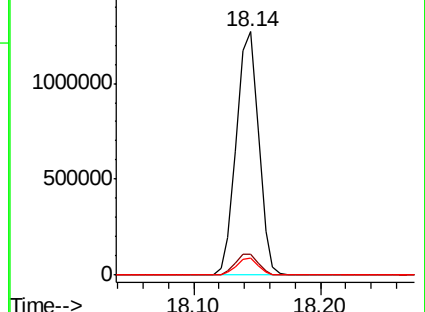
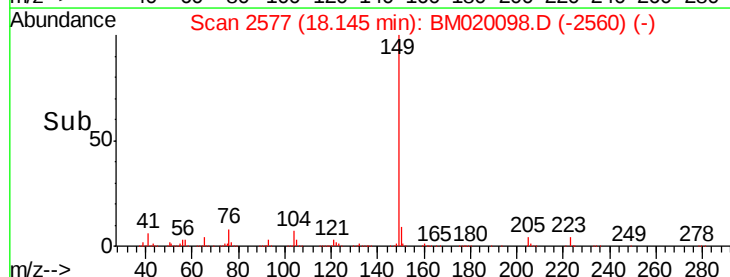
104 6.8 5.7 8.5

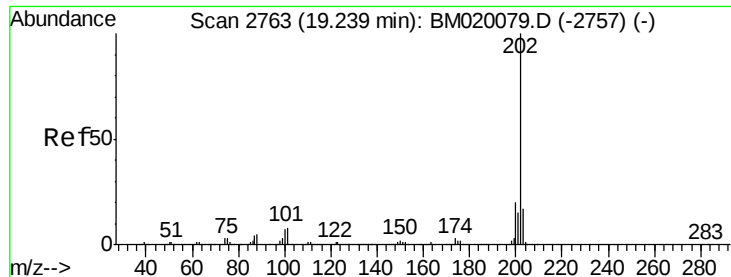


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 35.588 ng

RT: 19.23 min Scan# 2762

Delta R.T. -0.01 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Instrument :

BNA_M

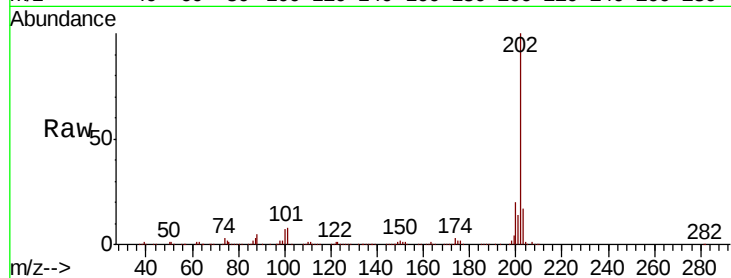
ClientSampleId :

IDOC SOIL-HP4

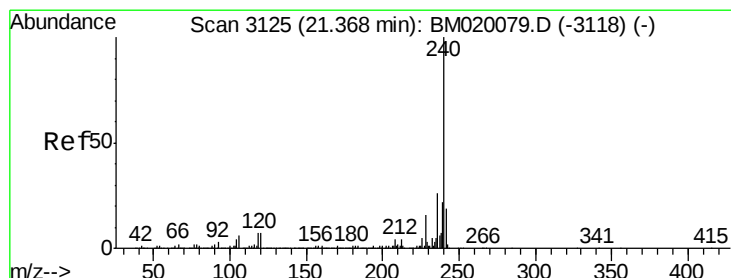
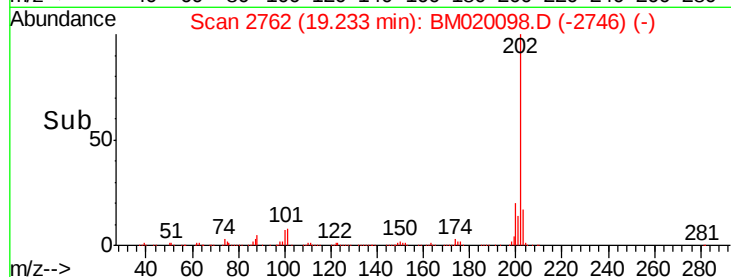
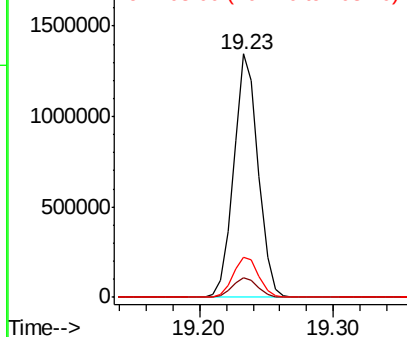
Tot Ion:	202	Resp:	1709901
Ion Ratio	Lower	Upper	
202	100		
101	8.2	0.0	28.4
203	16.7	0.0	37.4

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

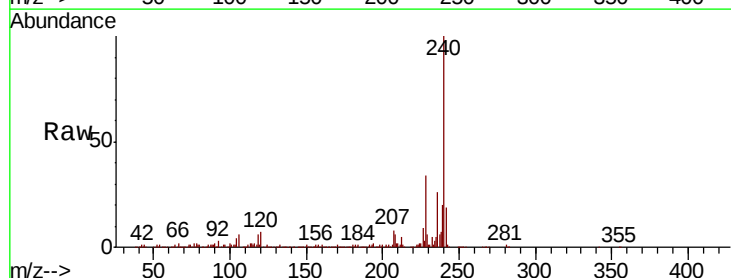
RT: 21.36 min Scan# 3124

Delta R.T. -0.01 min

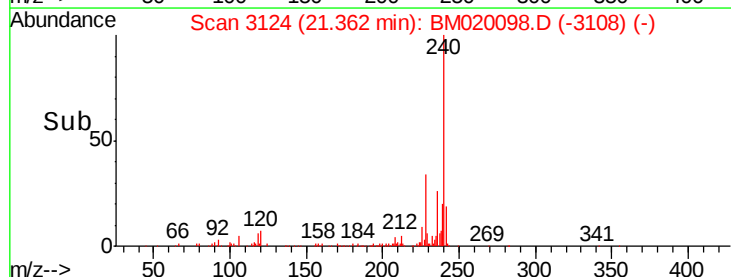
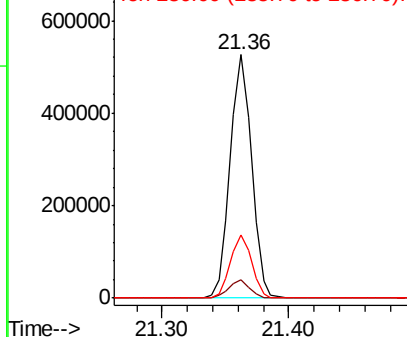
Lab File: BM020098.D

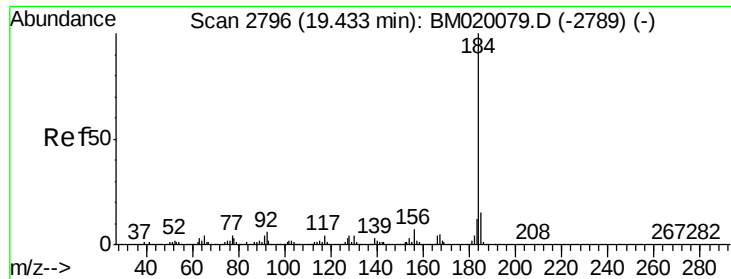
Acq: 01 May 2019 19:53

Tgt Ion:	240	Resp:	616917
Ion Ratio	Lower	Upper	
240	100		
120	7.3	5.6	8.4
236	25.9	20.9	31.3



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 29.878 ng

RT: 19.43 min Scan# 2795

Delta R.T. -0.01 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Instrument :

BNA_M

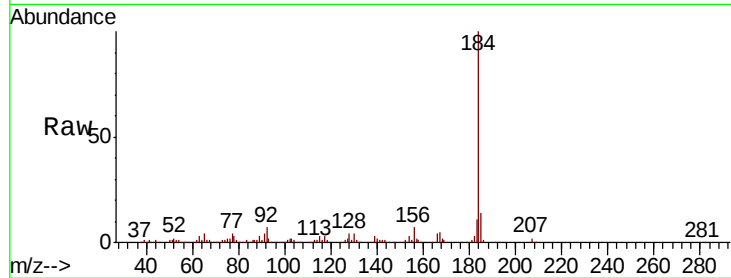
ClientSampleId :

IDOC SOIL-HP4

Tot Ion:	184	Resp:	589290
Ion Ratio	Lower	Upper	
184	100		
185	14.4	12.0	18.0
183	11.3	9.5	14.3

Manual Integrations
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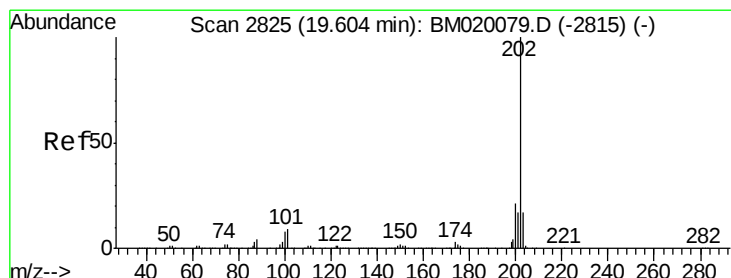
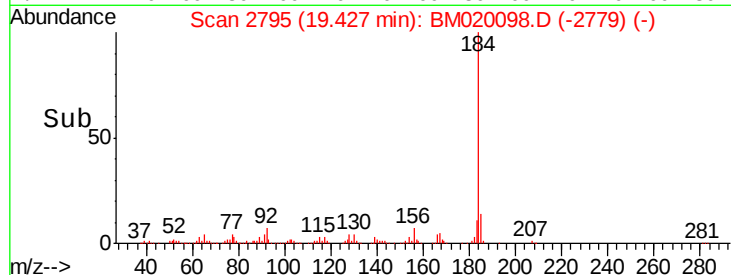
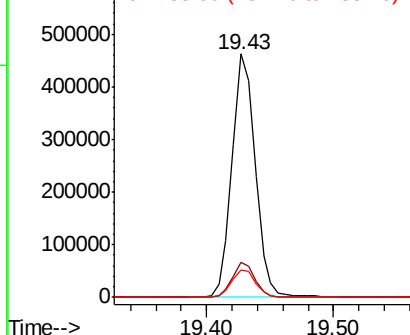


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 41.880 ng

RT: 19.60 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

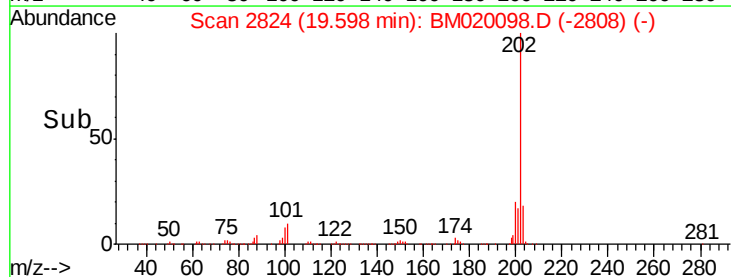
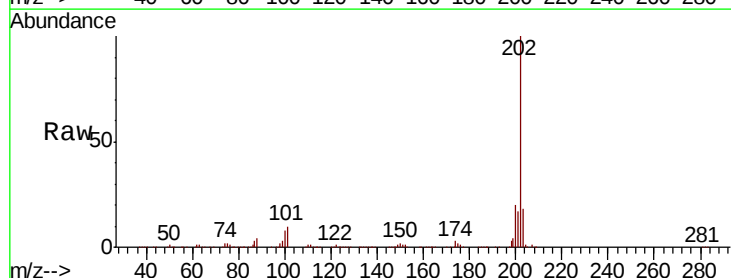
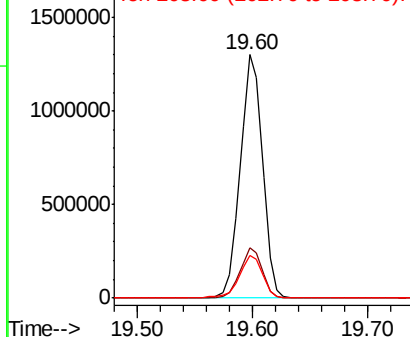
Tgt Ion:	202	Resp:	1734616
Ion Ratio	Lower	Upper	
202	100		
200	20.4	16.5	24.7
203	17.5	13.9	20.9

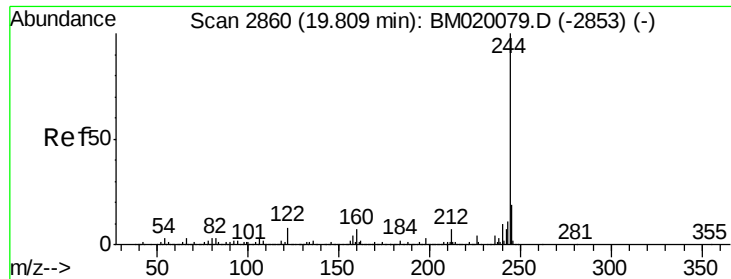
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





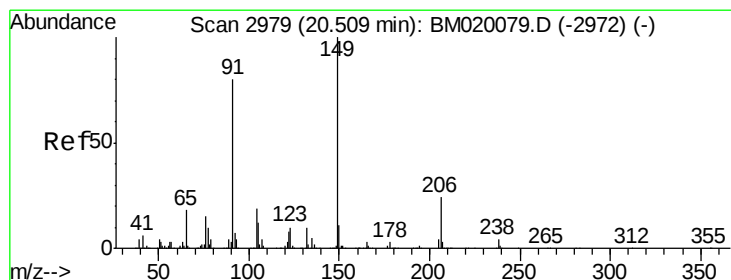
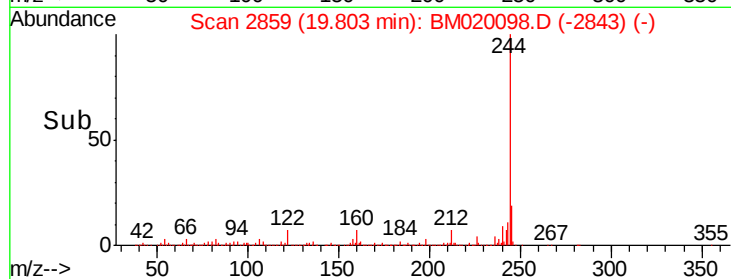
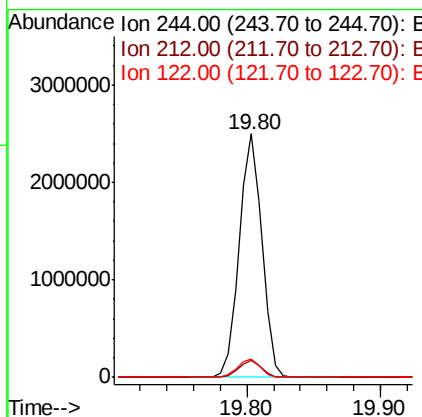
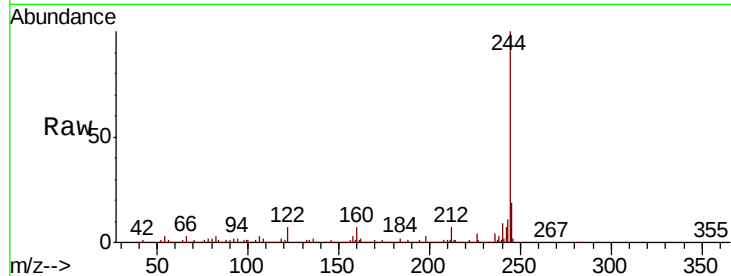
#79
 Terphenyl-d14
 Concen: 82.853 ng
 RT: 19.80 min Scan# 2859
 Delta R.T. -0.01 min
 Lab File: BM020098.D
 Acq: 01 May 2019 19:53

Instrument :
 BNA_M
 ClientSampleId :
 IDOCSOIL-HP4

Tot Ion:	244	Resp:	2930464
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	7.3	6.2	9.2

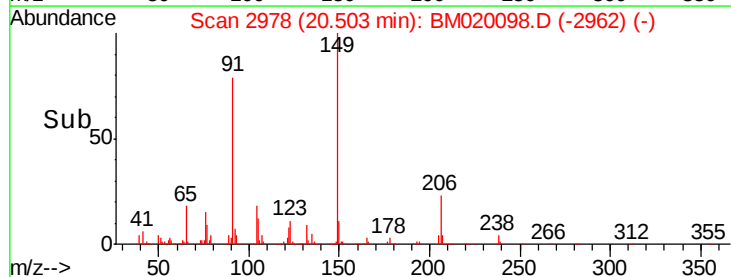
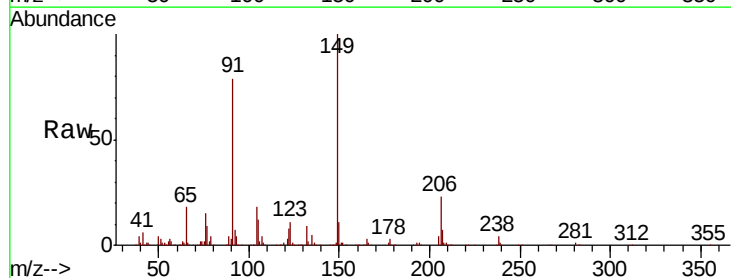
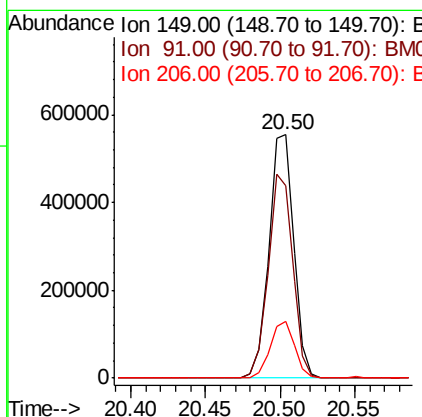
Manual Integrations
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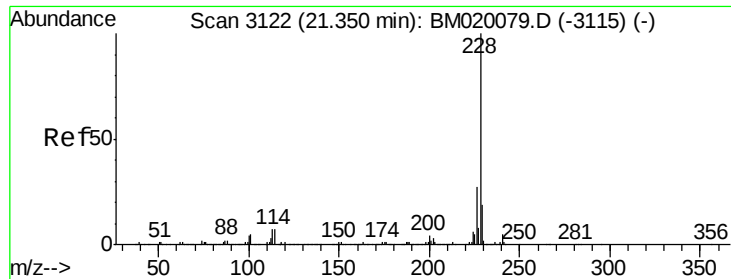
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 5/2/2019 4:55:31 PM



#80
 Butylbenzylphthalate
 Concen: 42.265 ng
 RT: 20.50 min Scan# 2978
 Delta R.T. -0.01 min
 Lab File: BM020098.D
 Acq: 01 May 2019 19:53

Tgt Ion:	149	Resp:	636604
Ion	Ratio	Lower	Upper
149	100		
91	78.9	63.8	95.8
206	23.4	18.9	28.3





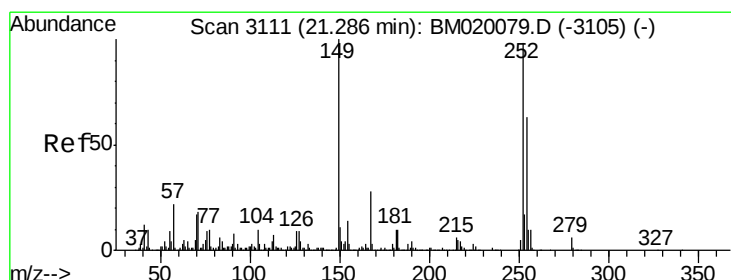
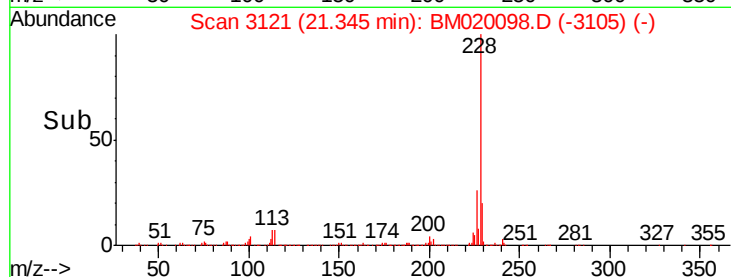
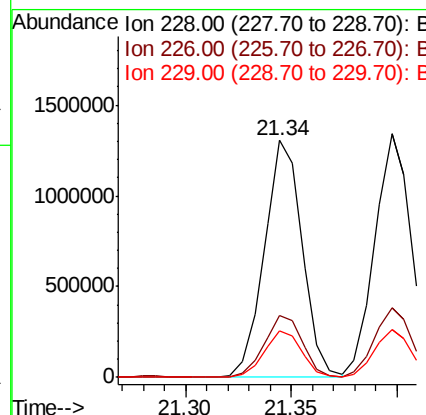
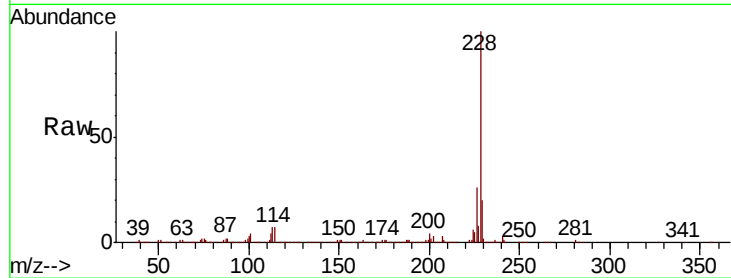
#81
Benzo(a)anthracene
Concen: 37.634 ng
RT: 21.34 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP4

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.3	31.9
229	19.7	15.5	23.3

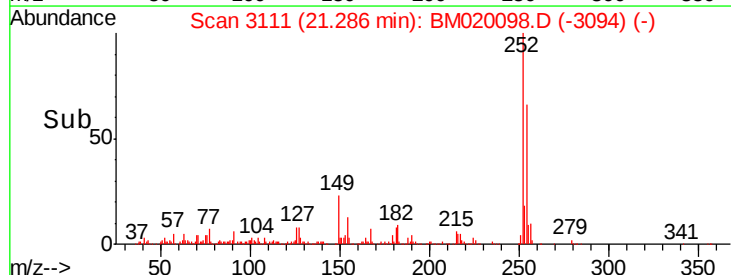
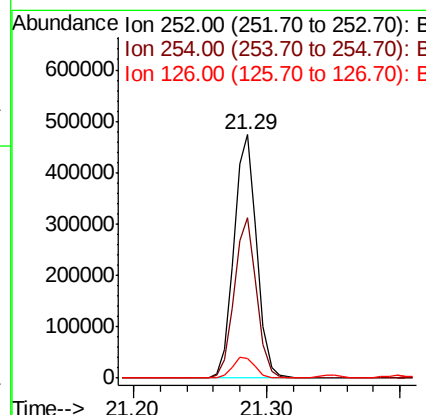
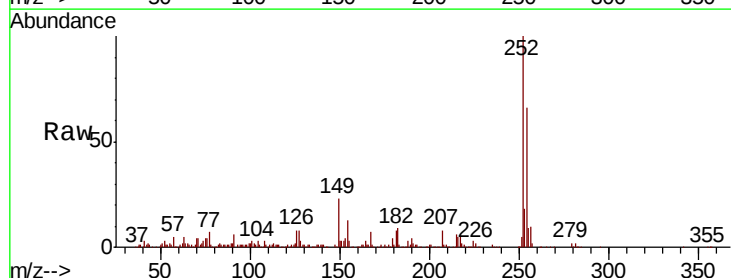
Manual Integrations
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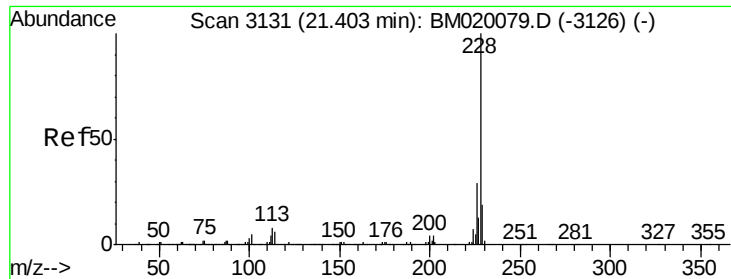
Sohil
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#82
3,3'-Dichlorobenzidine
Concen: 34.323 ng
RT: 21.29 min Scan# 3111
Delta R.T. 0.00 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.1	51.1	76.7
126	8.2	7.1	10.7





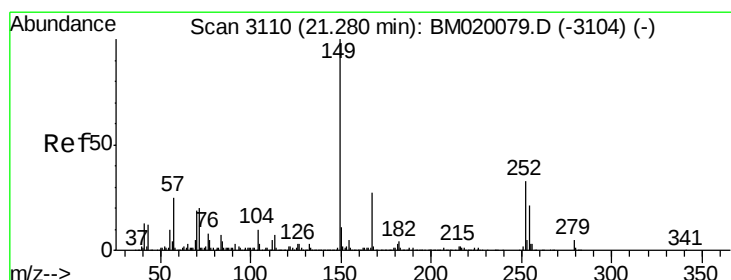
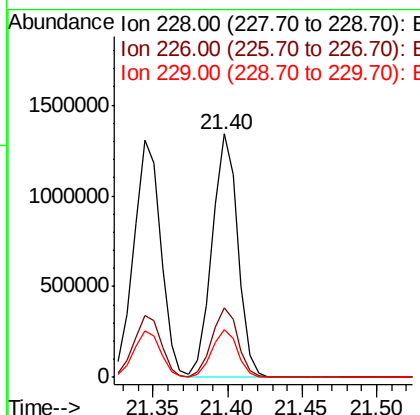
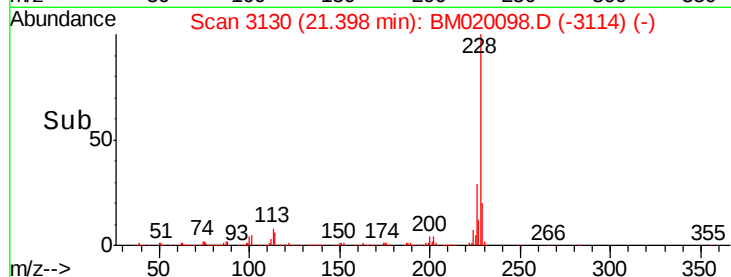
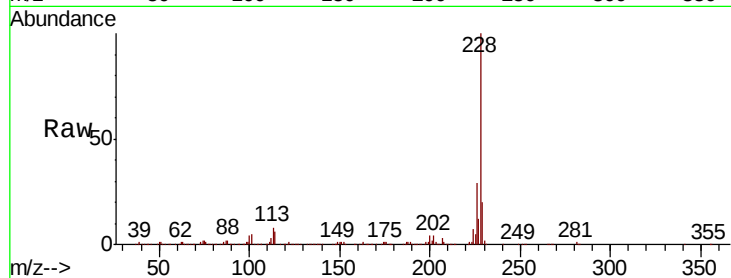
#83
 Chrysene
 Concen: 38.318 ng
 RT: 21.40 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BM020098.D
 Acq: 01 May 2019 19:53

Instrument :
 BNA_M
 ClientSampleId :
 IDOCSOIL-HP4

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.0	34.6
229	19.8	15.5	23.3

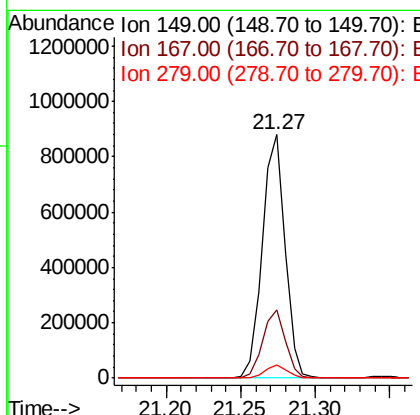
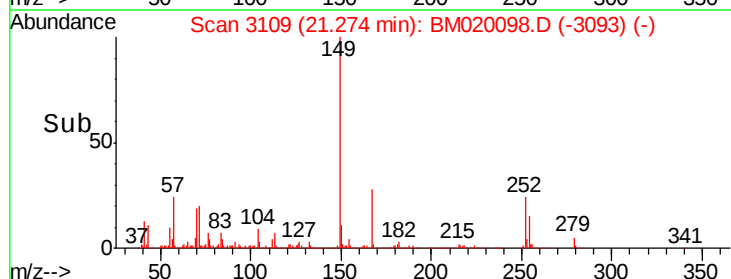
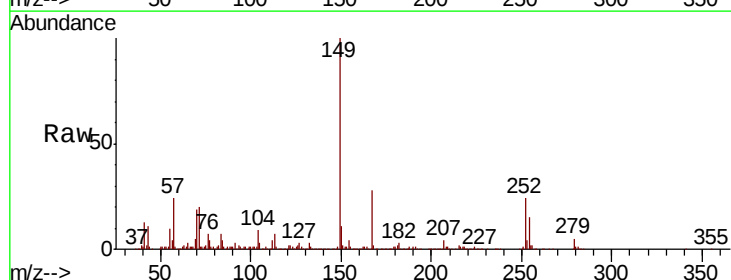
Manual Integrations
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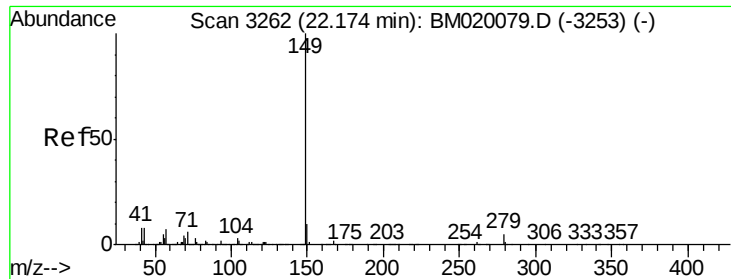
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 39.368 ng
 RT: 21.27 min Scan# 3109
 Delta R.T. -0.01 min
 Lab File: BM020098.D
 Acq: 01 May 2019 19:53

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.0	21.8	32.8
279	5.3	4.2	6.2





#85

Di-n-octyl phthalate

Concen: 38.693 ng

RT: 22.16 min Scan# 3260

Delta R.T. -0.01 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Instrument :

BNA_M

ClientSampleId :

IDOC SOIL-HP4

Tot Ion:149 Resp: 1503077

Ion Ratio Lower Upper

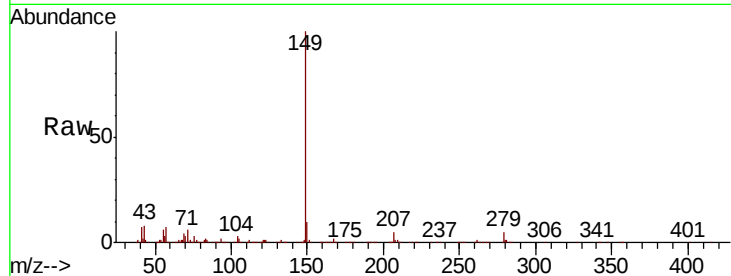
149 100

167 1.6 1.3 1.9

43 7.6 6.5 9.7

Manual Integrations
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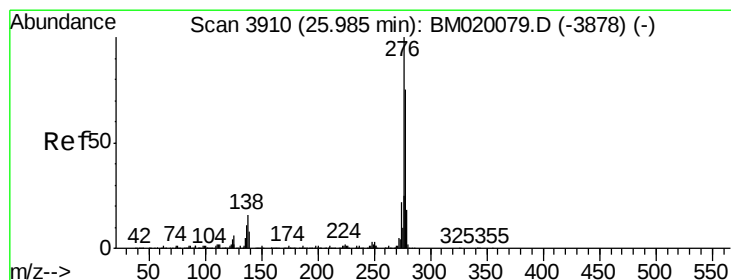
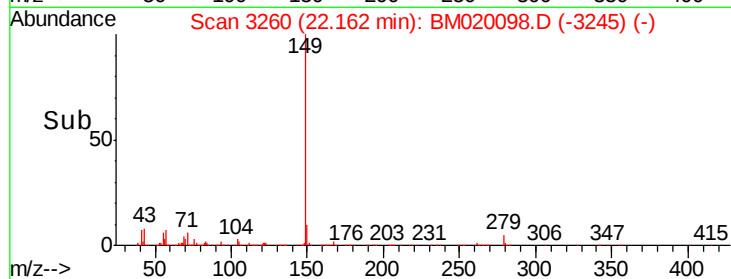
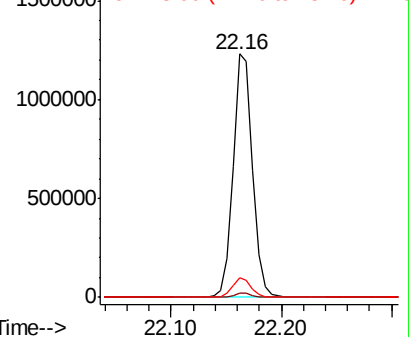
Sohil
5/2/2019 4:55:31 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#86

Indeno(1,2,3-cd)pyrene

Concen: 38.289 ng

RT: 25.97 min Scan# 3908

Delta R.T. -0.01 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

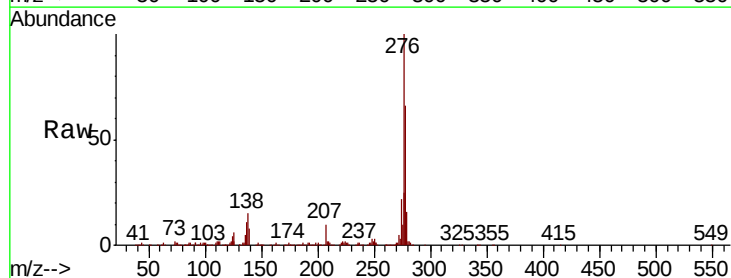
Tgt Ion:276 Resp: 1910960

Ion Ratio Lower Upper

276 100

138 16.7 0.0 0.0#

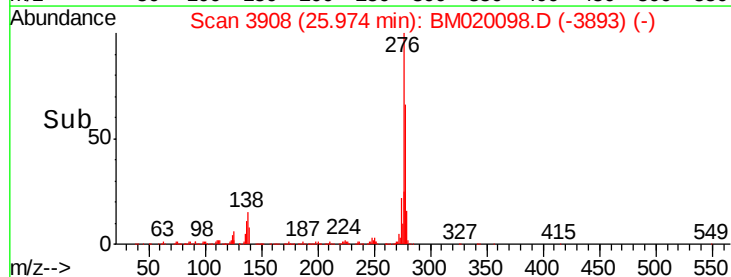
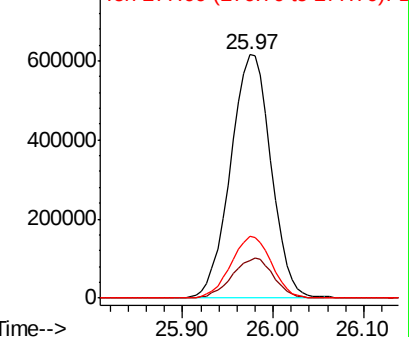
277 25.4 0.0 0.0#

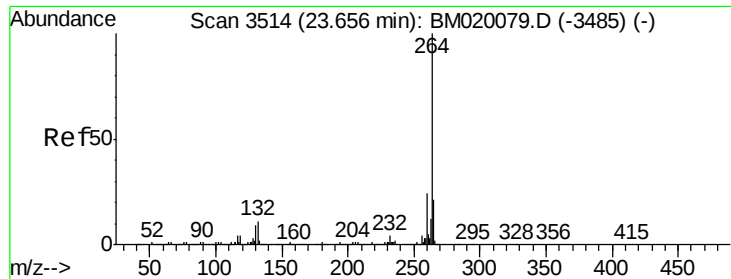


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.65 min Scan# 3513

Delta R.T. -0.01 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Instrument :

BNA_M

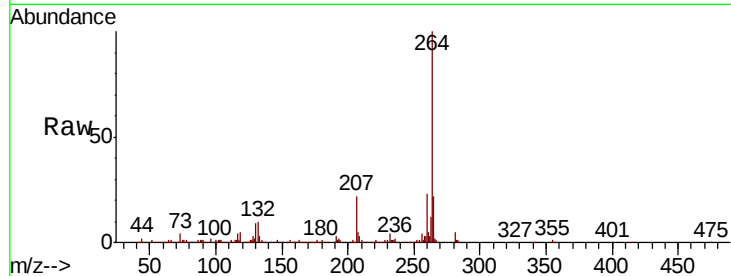
ClientSampleId :

IDOC SOIL-HP4

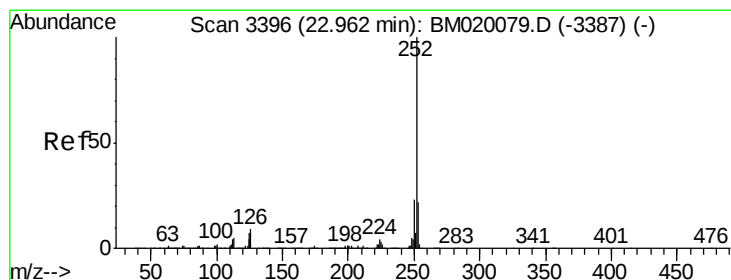
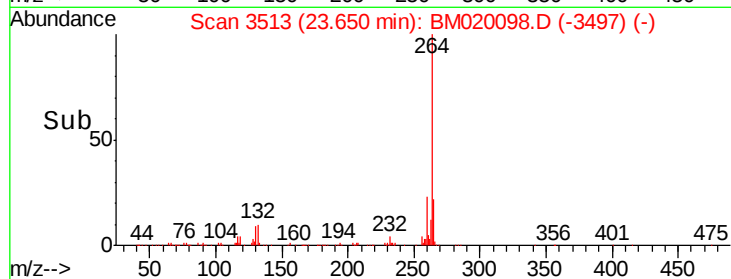
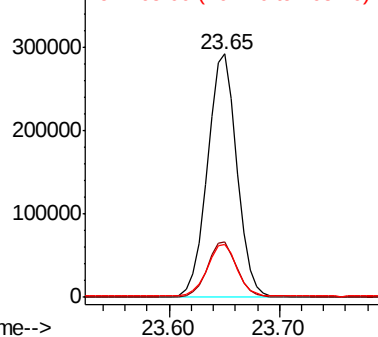
Tot Ion:	264	Resp:	548437
Ion Ratio		Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.8	16.9	25.3

Manual Integrations
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5/2/2019 4:55:31 PM



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 45.326 ng

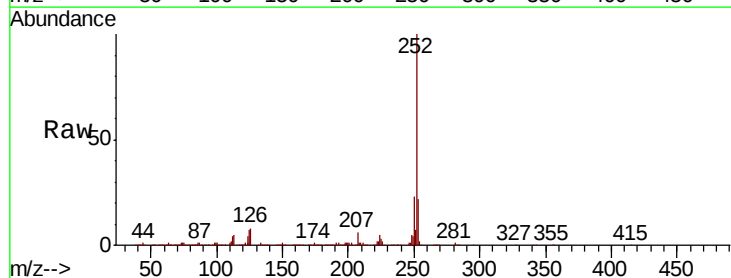
RT: 22.96 min Scan# 3395

Delta R.T. -0.01 min

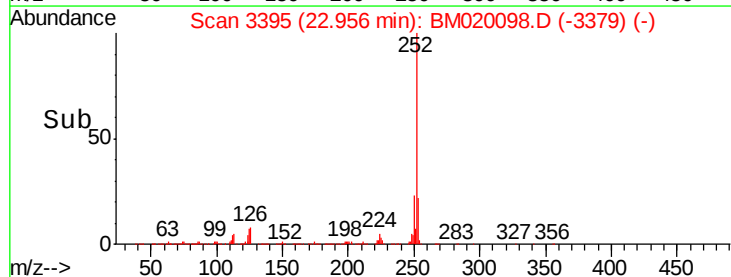
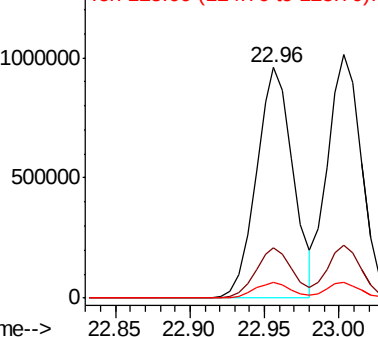
Lab File: BM020098.D

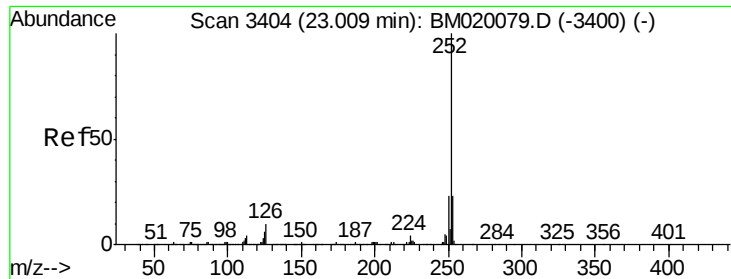
Acq: 01 May 2019 19:53

Tgt Ion:	252	Resp:	1641508
Ion Ratio		Lower	Upper
252	100		
253	21.7	17.5	26.3
125	6.8	5.4	8.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





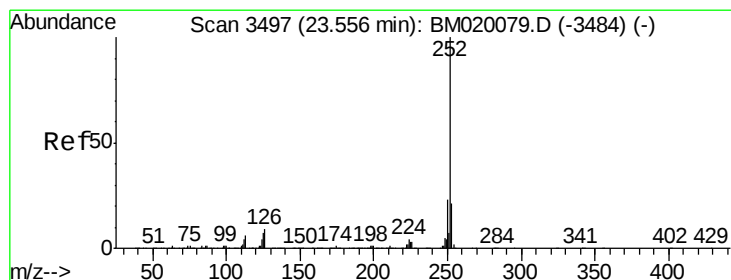
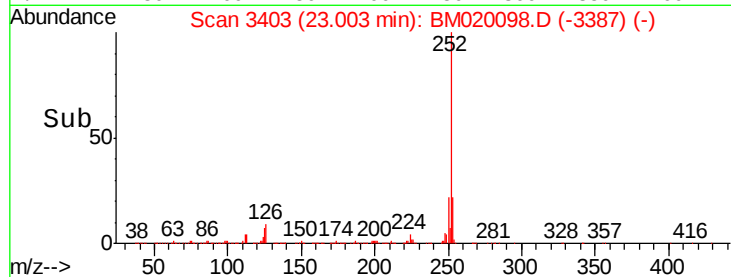
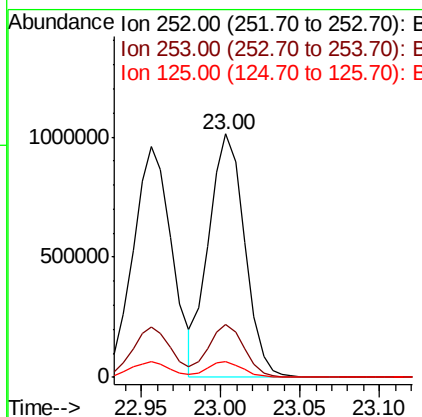
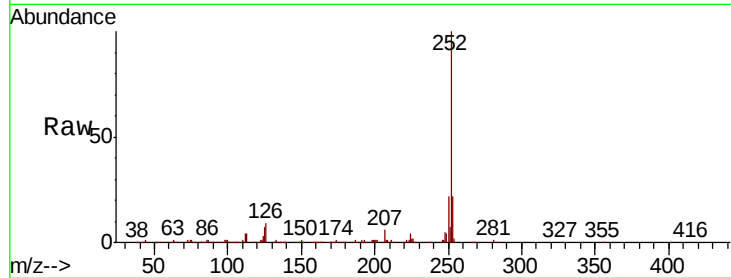
#89
Benzo(k)fluoranthene
Concen: 48.439 ng
RT: 23.00 min Scan# 3403
Delta R.T. -0.01 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP4

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	6.7	5.4	8.0

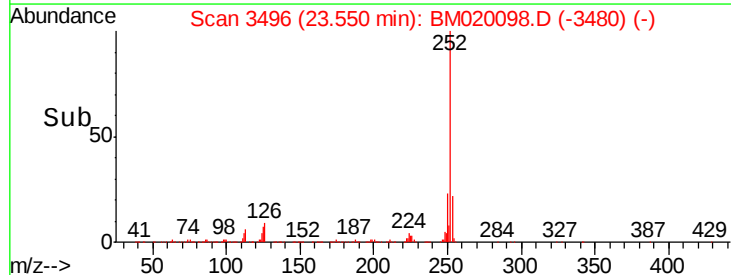
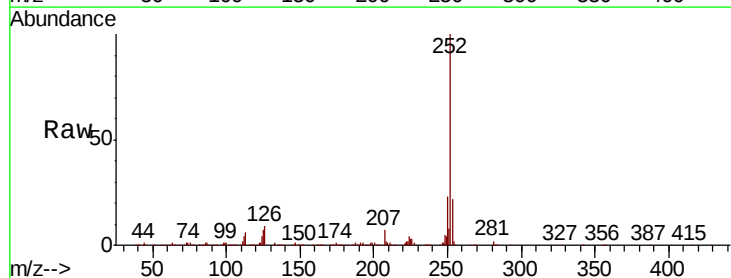
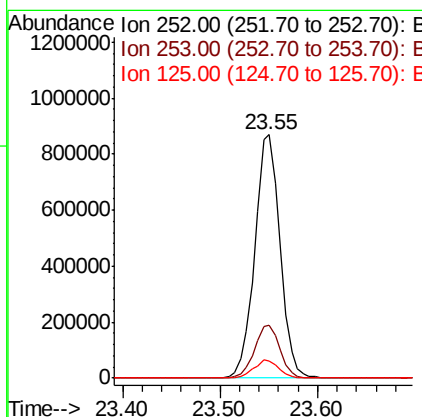
Manual Integrations
APPROVED

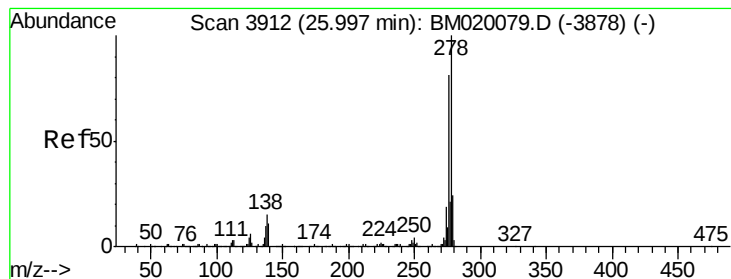
Sohil
5/2/2019 4:55:31 PM



#90
Benzo(a)pyrene
Concen: 47.789 ng
RT: 23.55 min Scan# 3496
Delta R.T. -0.01 min
Lab File: BM020098.D
Acq: 01 May 2019 19:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	7.1	5.5	8.3





#91

Dibenzo(a,h)anthracene

Concen: 48.060 ng

RT: 25.99 min Scan# 3911

Delta R.T. -0.01 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

Instrument :

BNA_M

ClientSampleId :

IDOC SOIL-HP4

Tot Ion:278 Resp: 1644133

Ion Ratio Lower Upper

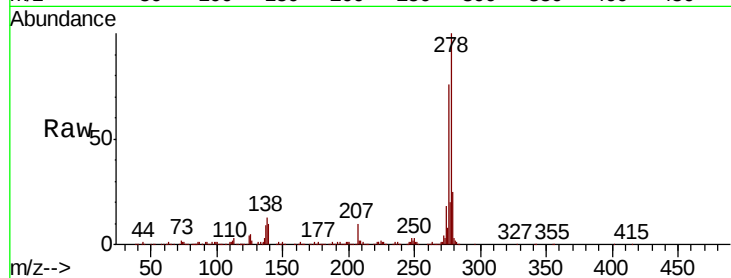
278 100

139 10.4 8.6 13.0

279 24.7 18.8 28.2

Manual Integrations
APPROVED

Sohil
5/2/2019 4:55:31 PM

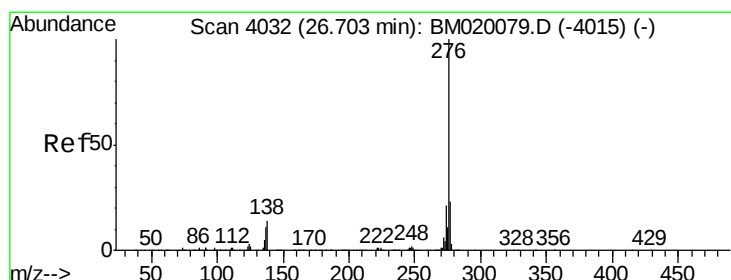
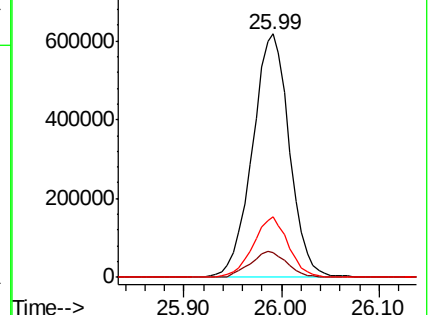
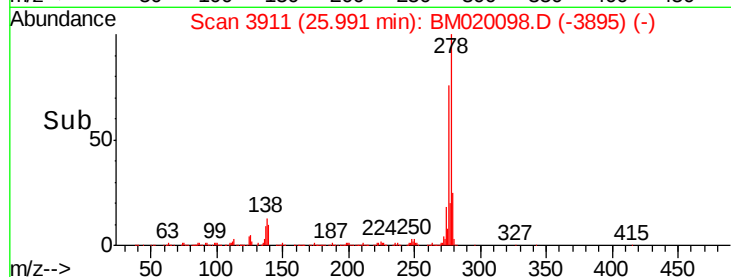


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 49.156 ng

RT: 26.69 min Scan# 4030

Delta R.T. -0.01 min

Lab File: BM020098.D

Acq: 01 May 2019 19:53

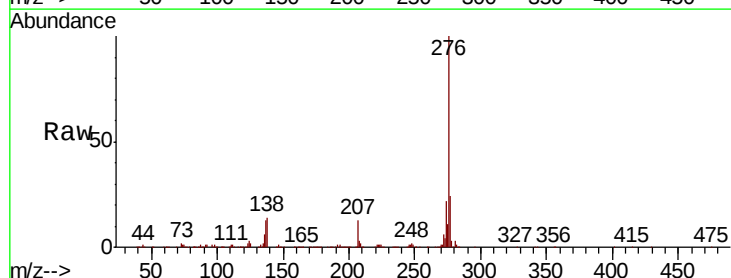
Tgt Ion:276 Resp: 1596549

Ion Ratio Lower Upper

276 100

277 23.6 18.4 27.6

138 13.6 11.1 16.7



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

