

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050119\
 Data File : BM020097.D
 Acq On : 01 May 2019 19:17
 Operator : JU/SJ
 Sample : IDOCSOIL-HP3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 IDOCSOIL-HP3

Manual Integrations
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Sohil
 5/2/2019 4:55:29 PM

Quant Time: May 02 02:30:10 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	119035	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	429948	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	254200	20.00	ng	0.00
64) Phenanthrene-d10	17.18	188	563330	20.00	ng	0.00
76) Chrysene-d12	21.36	240	508177	20.00	ng	0.00
87) Perylene-d12	23.64	264	523772	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	972054	133.48	ng	0.00
7) Phenol-d6	6.95	99	1287133	129.38	ng	0.00
23) Nitrobenzene-d5	8.95	82	825488	75.80	ng	0.00
42) 2,4,6-Tribromophenol	15.92	330	521606	132.20	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	1563224	75.66	ng	0.00
79) Terphenyl-d14	19.80	244	2411567	82.77	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.31	88	132687	37.151	ng	95
3) Pyridine	3.70	79	339114	37.125	ng	99
4) n-Nitrosodimethylamine	3.62	42	113728	38.827	ng	93
6) Aniline	7.12	93	396641	31.672	ng	99
8) 2-Chlorophenol	7.35	128	296391	37.379	ng	97
9) Benzaldehyde	6.94	77	265047	35.200	ng	99
10) Phenol	6.98	94	397001	37.068	ng	97
11) bis(2-Chloroethyl)ether	7.22	93	288541	37.067	ng	99
12) 1,3-Dichlorobenzene	7.67	146	339926	36.846	ng	98
13) 1,4-Dichlorobenzene	7.83	146	351322	37.697	ng	97
14) 1,2-Dichlorobenzene	8.14	146	329870	37.151	ng	97
15) Benzyl Alcohol	8.03	79	344720	35.934	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.32	45	233229	36.133	ng	99
17) 2-Methylphenol	8.22	107	256265	37.170	ng	99
18) Hexachloroethane	8.86	117	141956	36.531	ng	95
19) n-Nitroso-di-n-propylamine	8.60	70	298049	35.017	ng	97
20) 3+4-Methylphenols	8.55	107	335409	36.605	ng	98
22) Acetophenone	8.62	105	481490	40.976	ng	# 98
24) Nitrobenzene	9.00	77	439651	38.937	ng	98
25) Isophorone	9.52	82	720494	38.365	ng	99
26) 2-Nitrophenol	9.70	139	137953	40.469	ng	97
27) 2,4-Dimethylphenol	9.75	122	258283	45.510	ng	98
28) bis(2-Chloroethoxy)methane	10.00	93	391787	38.304	ng	99
29) 2,4-Dichlorophenol	10.23	162	292436	40.864	ng	99
30) 1,2,4-Trichlorobenzene	10.45	180	358032	40.660	ng	96
31) Naphthalene	10.63	128	867485	38.880	ng	100
32) Benzoic acid	9.86	122	137020	35.870	ng	96
33) 4-Chloroaniline	10.75	127	164413	17.904	ng	98
34) Hexachlorobutadiene	10.90	225	244488	39.249	ng	97
35) Caprolactam	11.52	113	75581m	35.321	ng	
36) 4-Chloro-3-methylphenol	11.86	107	308373	36.669	ng	97
37) 2-Methylnaphthalene	12.25	142	642247	39.484	ng	98
38) 1-Methylnaphthalene	12.47	142	602665	37.890	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.61	216	411602	41.387	ng	98

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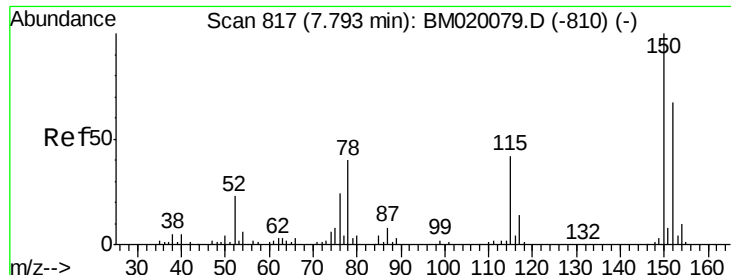
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.58	237	647665	110.602	nq	98
43) 2,4,6-Trichlorophenol	12.85	196	244291	43.221	nq	99
44) 2,4,5-Trichlorophenol	12.92	196	259468	41.092	nq	95
46) 1,1'-Biphenyl	13.26	154	833675	39.845	nq	99
47) 2-Chloronaphthalene	13.30	162	665686	39.848	nq	99
48) 2-Nitroaniline	13.52	65	222610	37.430	nq	99
49) Acenaphthylene	14.16	152	998393	37.344	nq	100
50) Dimethylphthalate	13.89	163	813373	37.647	nq	99
51) 2,6-Dinitrotoluene	14.02	165	168757	37.086	nq	98
52) Acenaphthene	14.50	154	583952	38.088	nq	99
53) 3-Nitroaniline	14.35	138	96608	22.875	nq	98
54) 2,4-Dinitrophenol	14.55	184	181032	79.485	nq	95
55) Dibenzofuran	14.83	168	984633	38.075	nq	99
56) 4-Nitrophenol	14.64	139	264225	73.326	nq	95
57) 2,4-Dinitrotoluene	14.80	165	234116	37.863	nq	99
58) Fluorene	15.48	166	784708	36.947	nq	98
59) 2,3,4,6-Tetrachlorophenol	15.05	232	238978	39.827	nq	99
60) Diethylphthalate	15.26	149	805223	36.993	nq	99
61) 4-Chlorophenyl-phenylether	15.47	204	460703	38.284	nq	97
62) 4-Nitroaniline	15.51	138	153921	33.024	nq	97
63) Azobenzene	15.77	77	934183	36.380	nq	99
65) 4,6-Dinitro-2-methylphenol	15.56	198	108929	39.767	nq	97
66) n-Nitrosodiphenylamine	15.69	169	678806	40.950	nq	99
67) 4-Bromophenyl-phenylether	16.37	248	276100	39.969	nq	99
68) Hexachlorobenzene	16.47	284	316237	39.782	nq	96
69) Atrazine	16.64	200	249381	38.497	nq	99
70) Pentachlorophenol	16.82	266	375175	82.488	nq	98
71) Phenanthrene	17.22	178	1211296	38.953	nq	98
72) Anthracene	17.31	178	1232361	39.638	nq	100
73) Carbazole	17.59	167	1036289	36.940	nq	99
74) Di-n-butylphthalate	18.14	149	1252529	37.100	nq	99
75) Fluoranthene	19.23	202	1416858	36.011	nq	99
77) Benzidine	19.43	184	667066	41.058	nq	99
78) Pyrene	19.60	202	1441188	42.241	nq	99
80) Butylbenzylphthalate	20.50	149	504838	40.689	nq	98
81) Benzo(a)anthracene	21.34	228	1334231	37.438	nq	99
82) 3,3'-Dichlorobenzidine	21.29	252	404253	29.720	nq	98
83) Chrysene	21.40	228	1327277	38.402	nq	100
84) Bis(2-ethylhexyl)phthalate	21.27	149	749702	38.940	nq	98
85) Di-n-octyl phthalate	22.16	149	1227994	38.376	nq	99
86) Indeno(1,2,3-cd)pyrene	25.97	276	1586763	38.596	nq	# 100
88) Benzo(b)fluoranthene	22.96	252	1367220	39.530	nq	100
89) Benzo(k)fluoranthene	23.00	252	1305845	41.390	nq	99
90) Benzo(a)pyrene	23.55	252	1292816	41.151	nq	100
91) Dibenzo(a,h)anthracene	25.99	278	1350850	41.346	nq	99
92) Benzo(g,h,i)perylene	26.69	276	1318181	42.496	nq	98

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



#1

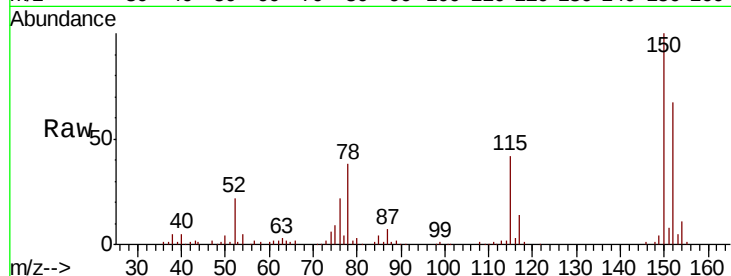
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 817
Delta R.T. -0.00 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Instrument :
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IDOC SOIL-HP3

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.6	119.8	179.8
115	61.8	50.8	76.2

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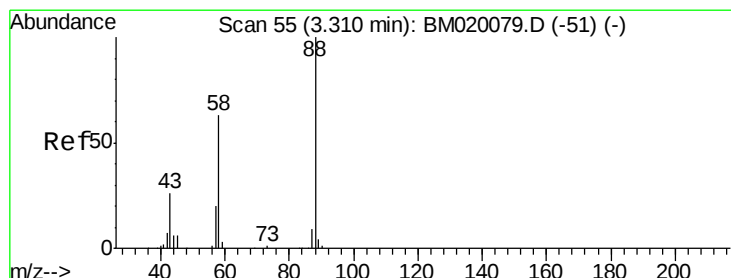
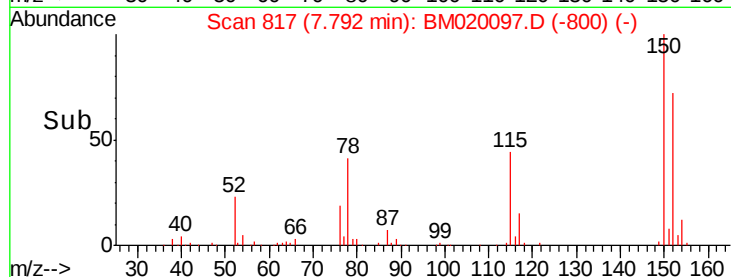
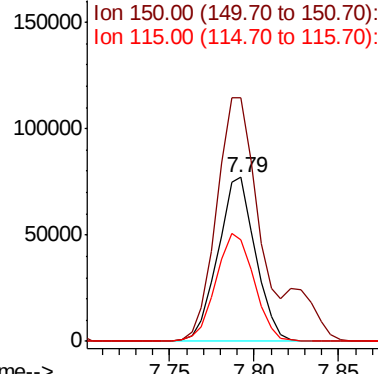


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

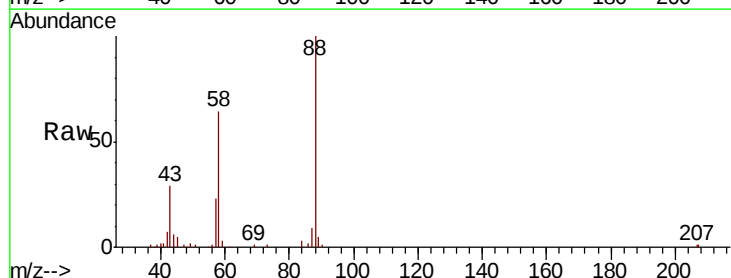
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 37.151 ng
RT: 3.31 min Scan# 55
Delta R.T. -0.00 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Tgt Ion	Ratio	Lower	Upper
88	100		
58	60.3	51.8	77.6
43	23.4	20.3	30.5

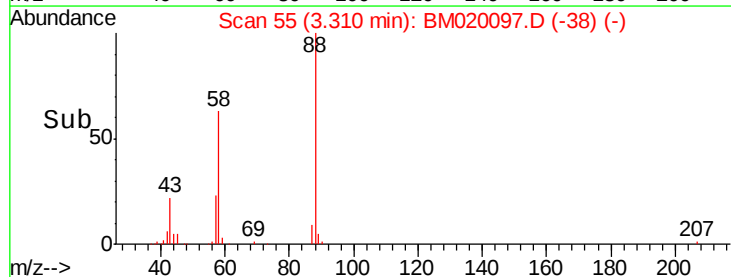
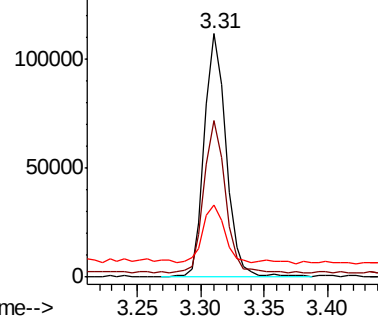


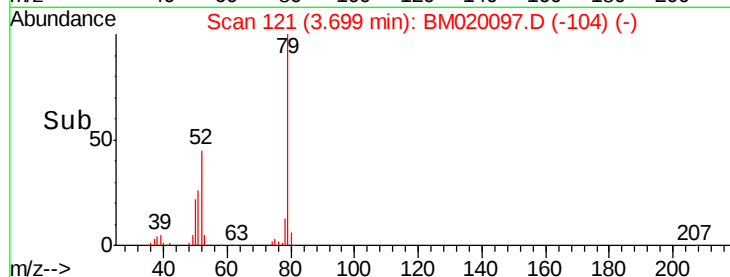
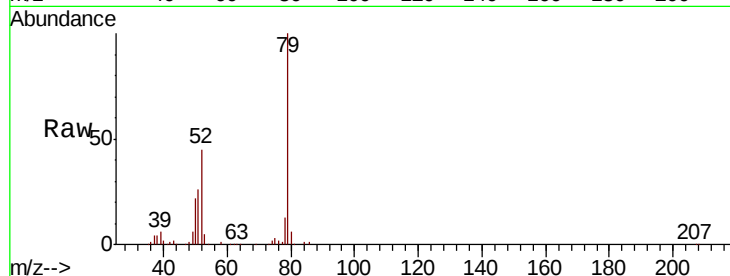
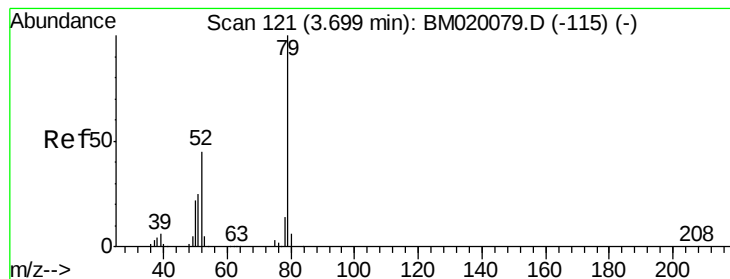
Abundance

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: 37.125 ng

RT: 3.70 min Scan# 121

Delta R.T. -0.00 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Tot Ion:	79	Resp:	339114
Ion Ratio	Lower	Upper	
79	100		
52	45.4	35.7	53.5
51	26.3	20.8	31.2

Instrument :

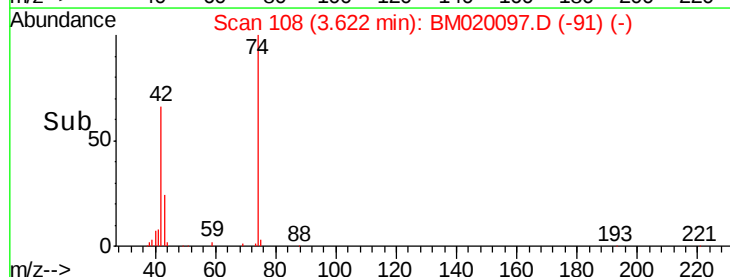
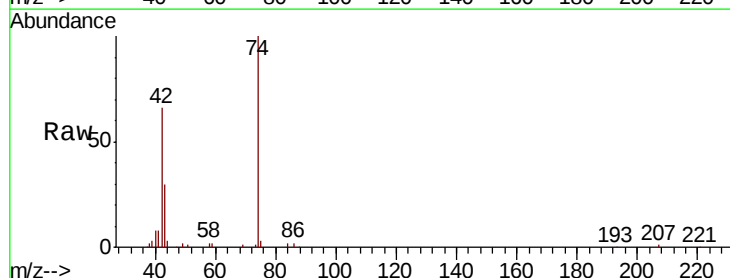
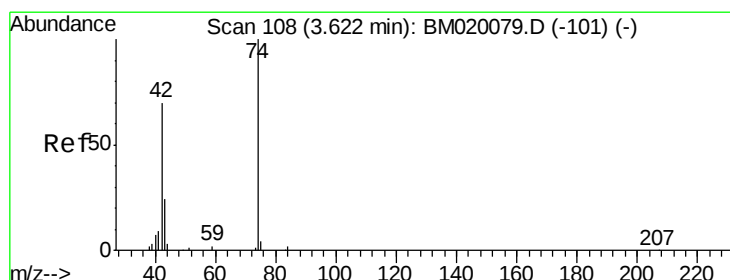
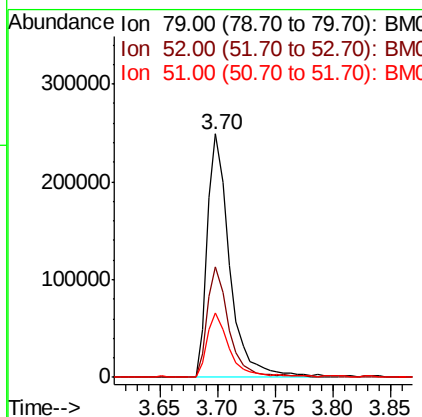
BNA_M

ClientSampleId :

IDOC SOIL-HP3

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#4

n-Nitrosodimethylamine

Concen: 38.827 ng

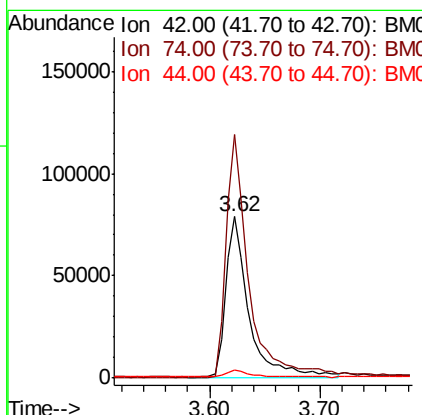
RT: 3.62 min Scan# 108

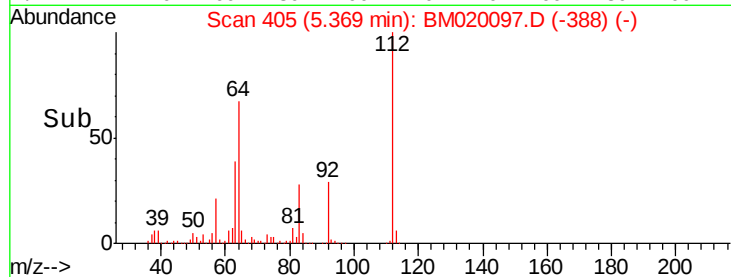
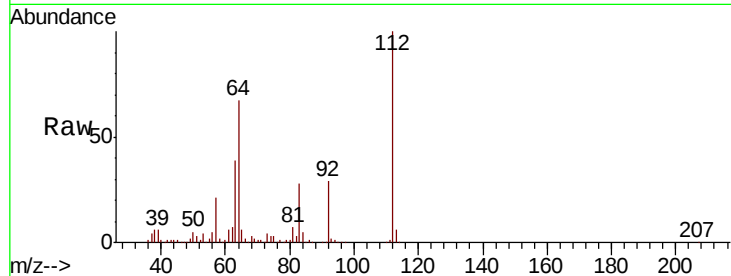
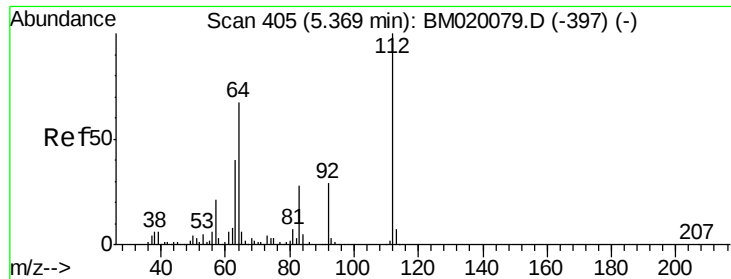
Delta R.T. -0.00 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Tgt Ion:	42	Resp:	113728
Ion Ratio	Lower	Upper	
42	100		
74	150.8	113.7	170.5
44	4.9	3.9	5.9





#5

2-Fluorophenol

Concen: 133.483 ng

RT: 5.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Tot Ion:	112	Resp:	972054
Ion Ratio	Lower	Upper	
112	100		
64	67.1	53.8	80.6
63	39.0	32.3	48.5

Instrument :

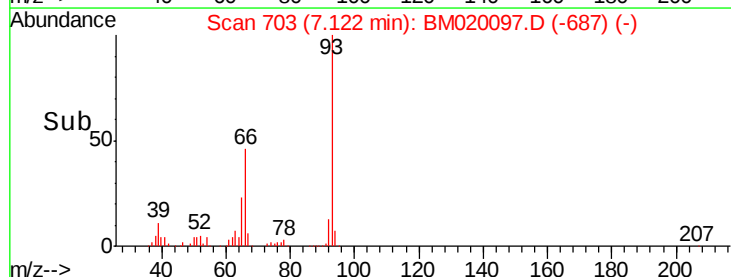
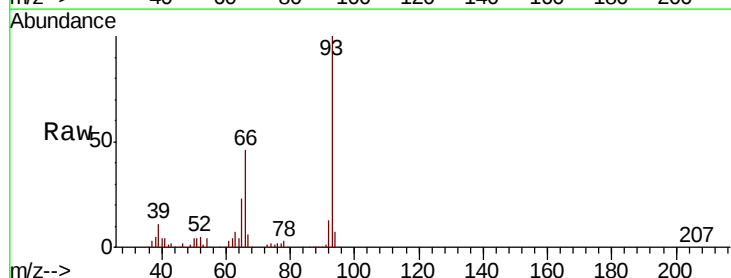
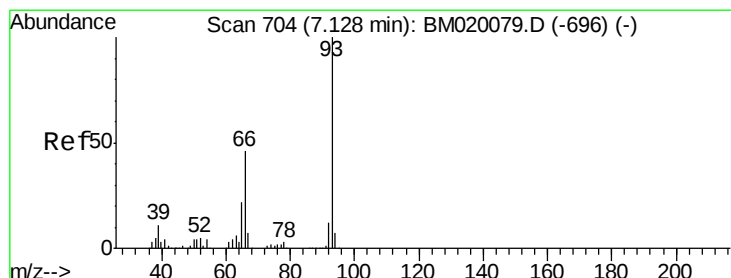
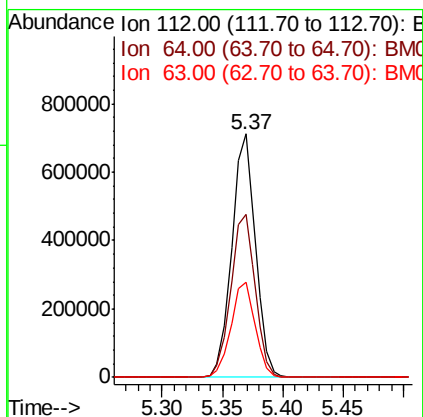
BNA_M

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#6

Aniline

Concen: 31.672 ng

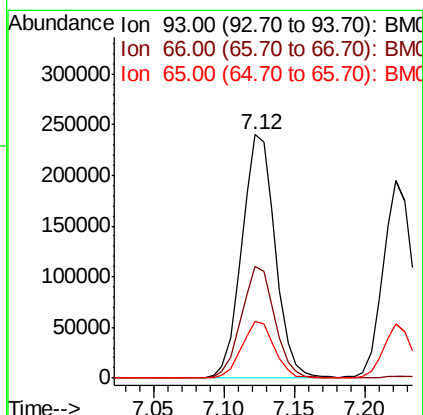
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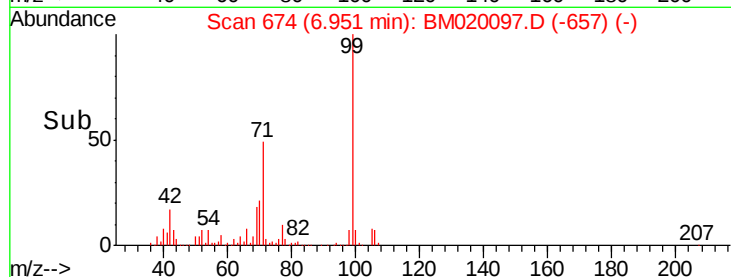
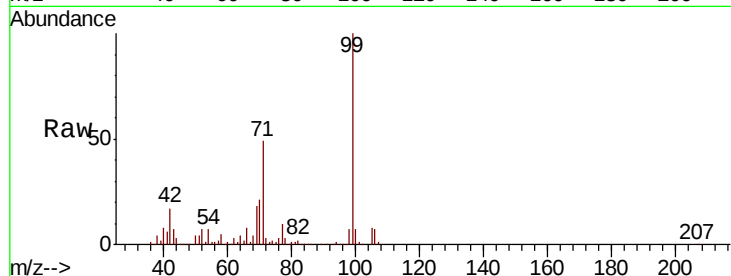
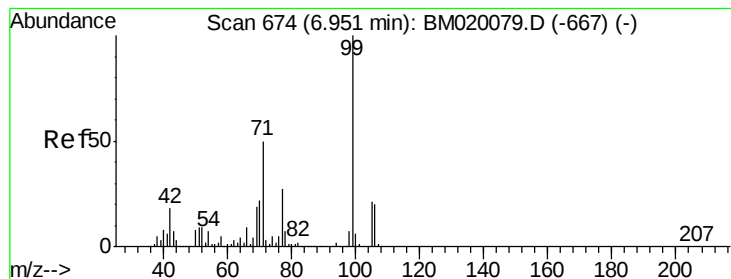
Delta R.T. -0.01 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Tgt Ion:	93	Resp:	396641
Ion Ratio	Lower	Upper	
93	100		
66	45.7	36.6	54.8
65	23.1	17.8	26.6





#7

Phenol-d6

Concen: 129.379 ng

RT: 6.95 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Tot Ion: 99 Resp: 1287133

Ion Ratio Lower Upper

99 100

42 17.2 14.2 21.2

71 49.1 40.3 60.5

Instrument :

BNA_M

ClientSampleId :

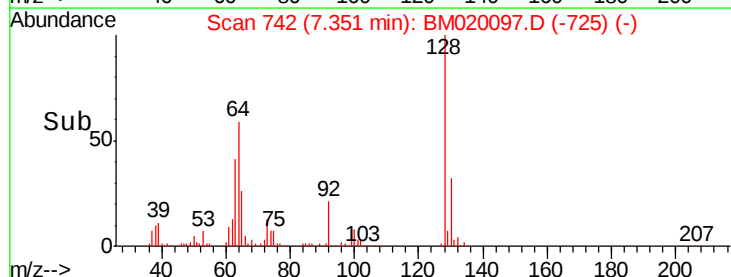
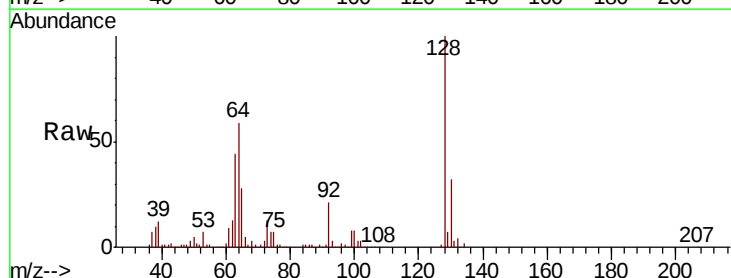
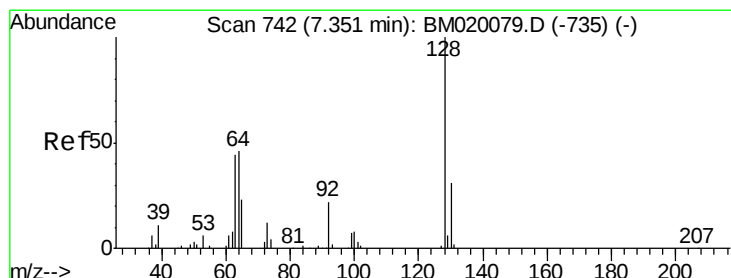
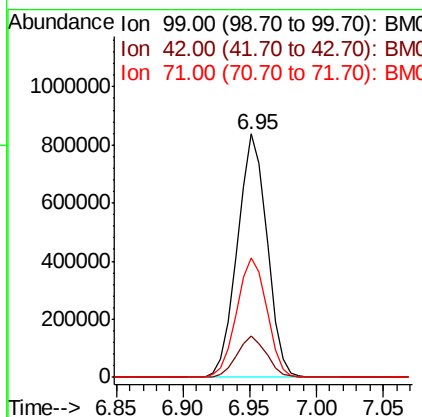
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#8

2-Chlorophenol

Concen: 37.379 ng

RT: 7.35 min Scan# 742

Delta R.T. -0.00 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

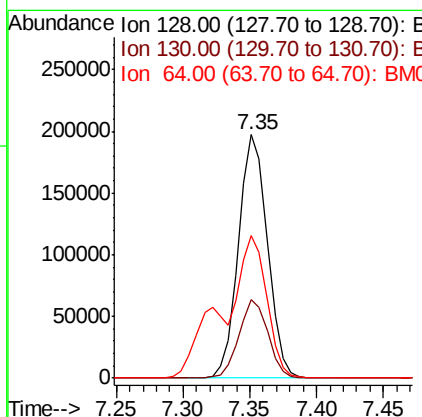
Tgt Ion: 128 Resp: 296391

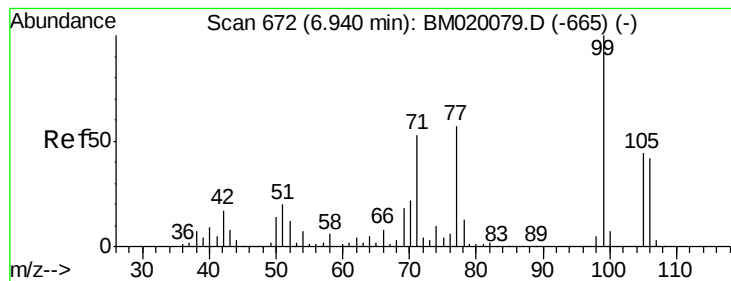
Ion Ratio Lower Upper

128 100

130 32.0 10.8 50.8

64 58.6 36.5 76.5





#9

Benzaldehyde

Concen: 35.200 ng

RT: 6.94 min Scan# 672

Delta R.T. 0.00 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Instrument :

BNA_M

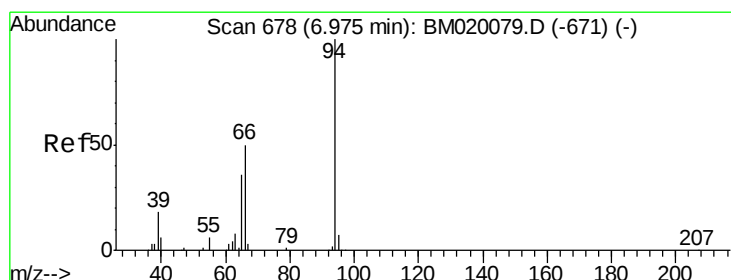
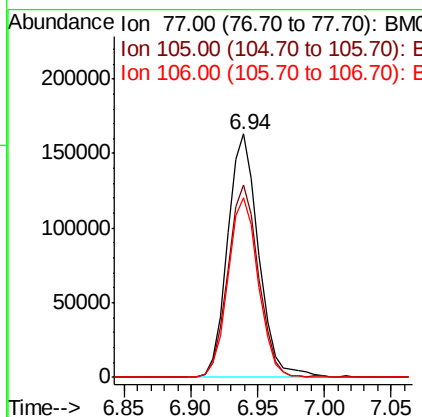
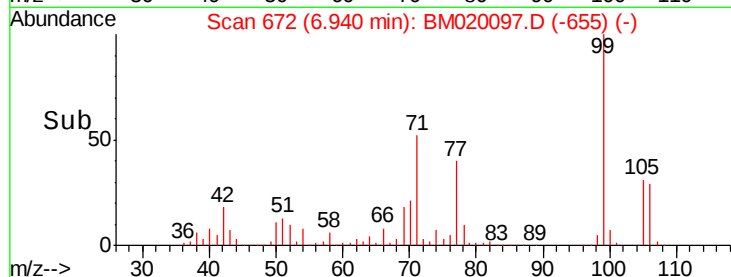
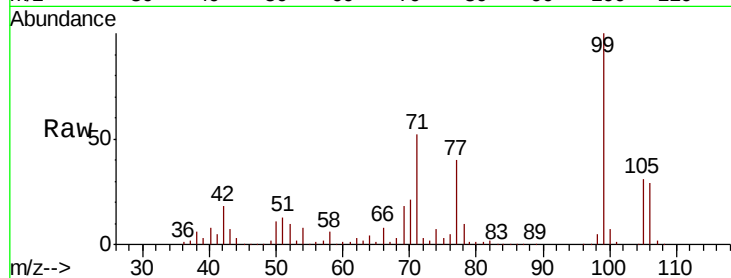
ClientSampleId :

IDOC SOIL-HP3

Tot Ion:	77	Resp:	265047
Ion Ratio	Lower	Upper	
77	100		
105	78.8	57.8	97.8
106	73.9	53.6	93.6

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#10

Phenol

Concen: 37.068 ng

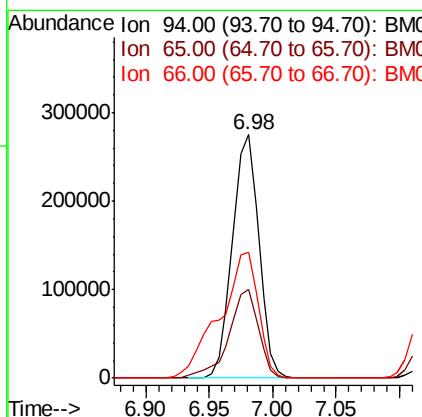
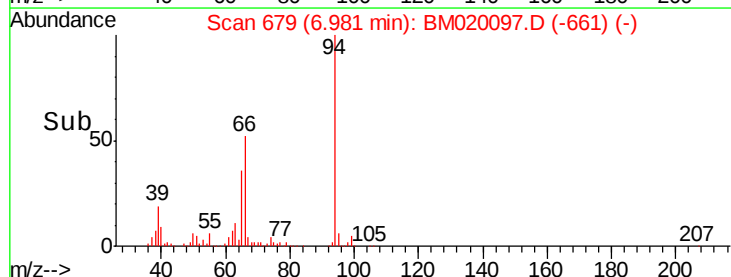
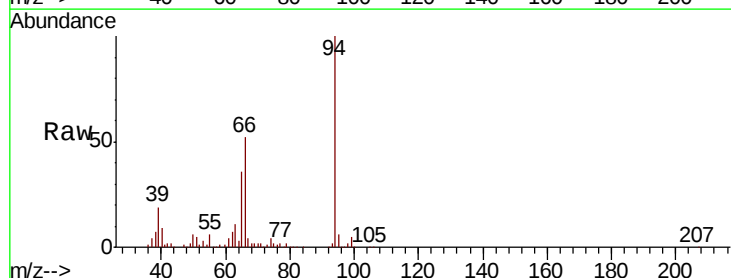
RT: 6.98 min Scan# 679

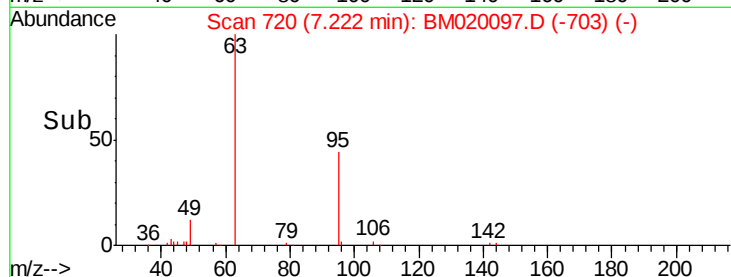
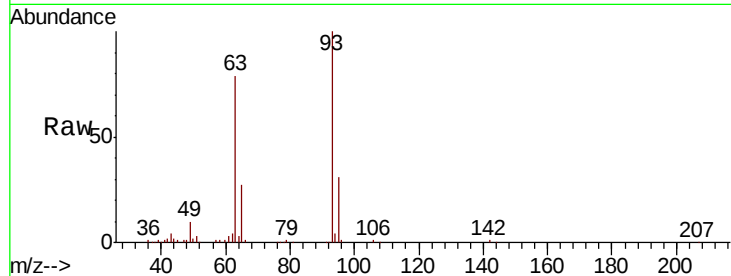
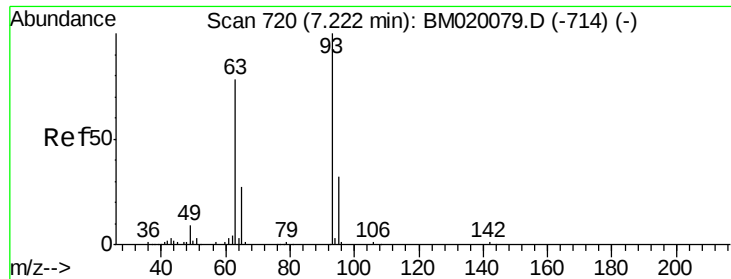
Delta R.T. 0.01 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Tgt Ion:	94	Resp:	397001
Ion Ratio	Lower	Upper	
94	100		
65	36.3	17.0	57.0
66	51.8	34.5	74.5





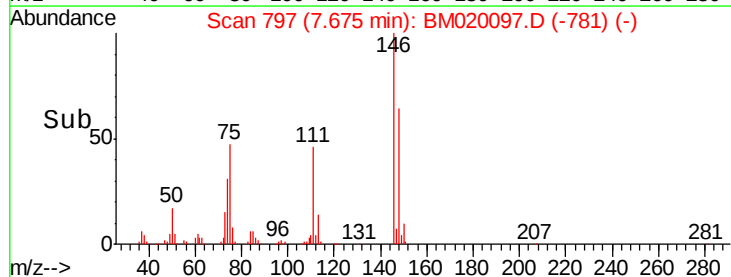
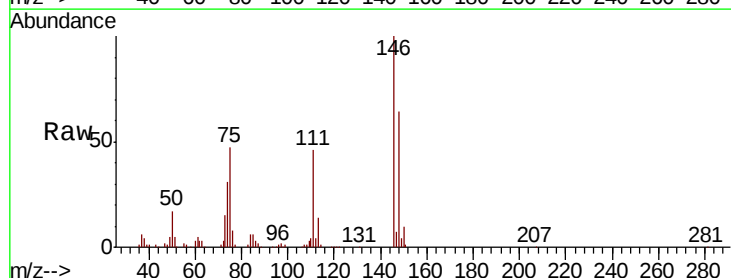
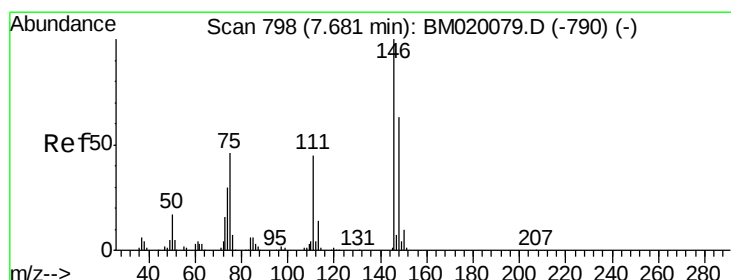
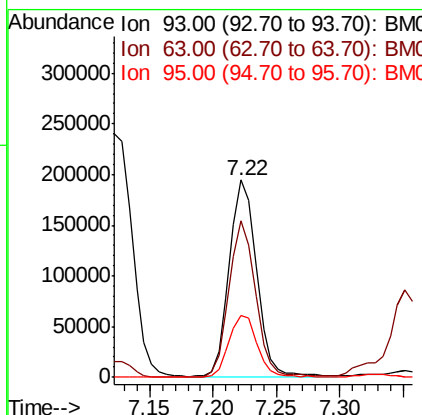
#11
bis(2-Chloroethyl)ether
Concen: 37.067 ng
RT: 7.22 min Scan# 720
Delta R.T. -0.00 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Tot Ion:	93	Resp:	288541
Ion	Ratio	Lower	Upper
93	100		
63	79.1	57.9	97.9
95	31.4	11.3	51.3

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP3

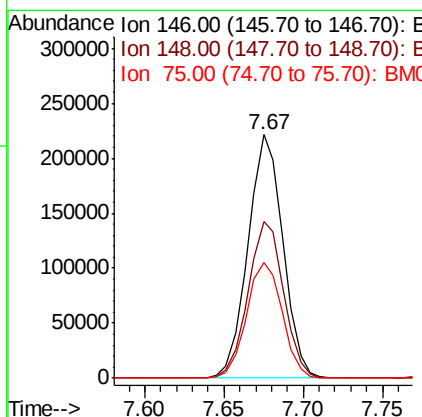
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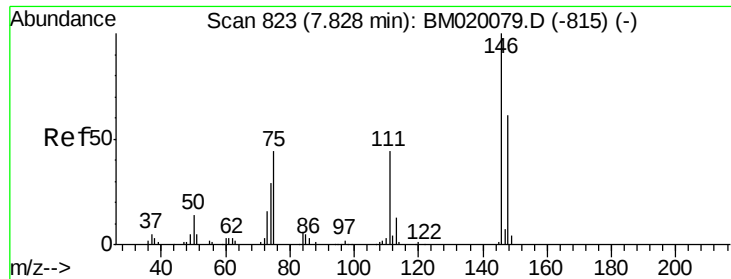
Sohil
5/2/2019 4:55:29 PM



#12
1,3-Dichlorobenzene
Concen: 36.846 ng
RT: 7.67 min Scan# 797
Delta R.T. -0.01 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Tgt Ion:	146	Resp:	339926
Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.1	75.1
75	47.2	37.2	55.8





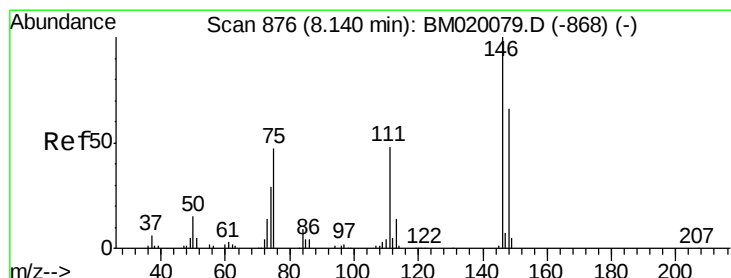
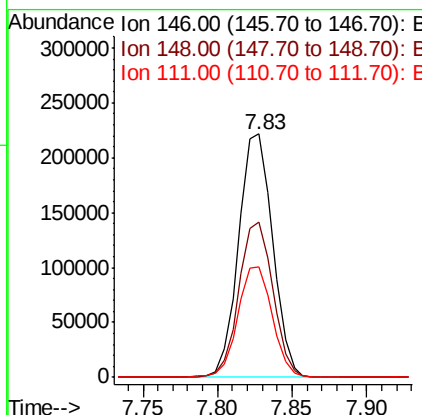
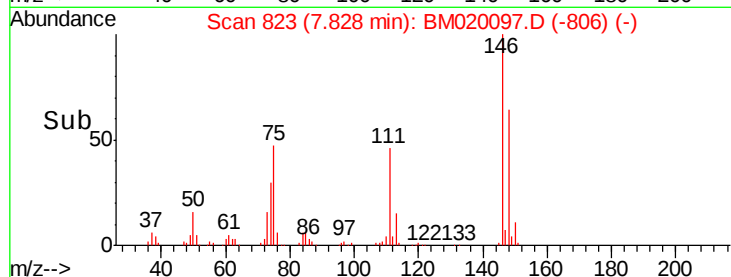
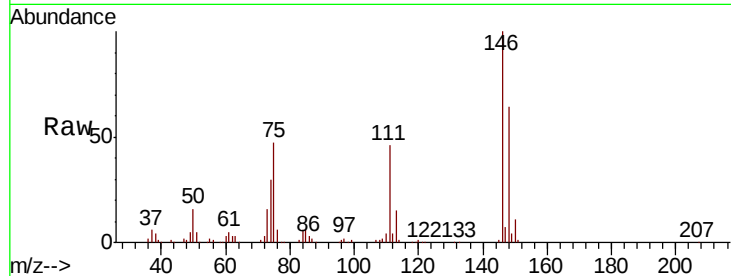
#13
 1,4-Dichlorobenzene
 Concen: 37.697 ng
 RT: 7.83 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: BM020097.D
 Acq: 01 May 2019 19:17

Instrument :
 BNA_M
 ClientSampleId :
 IDOCSOIL-HP3

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.9	48.5	72.7
111	45.6	35.7	53.5

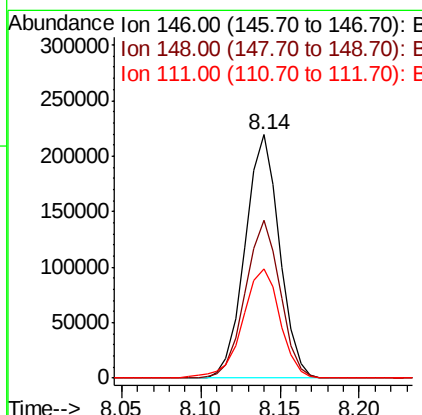
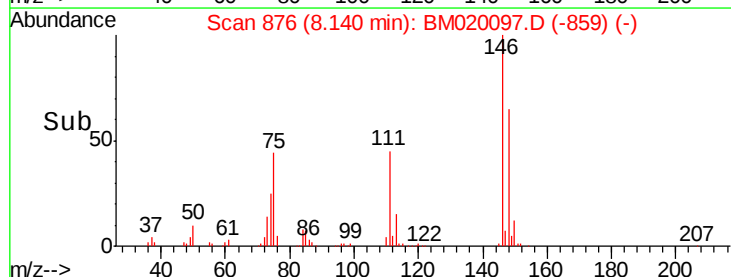
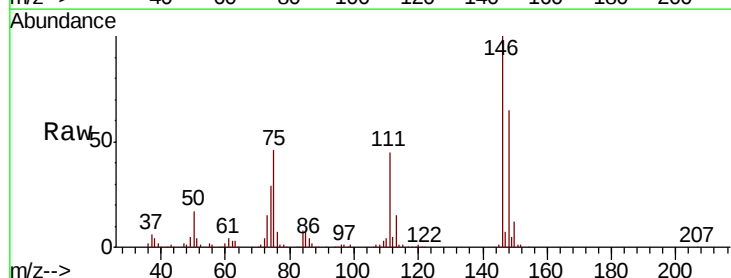
Manual Integrations
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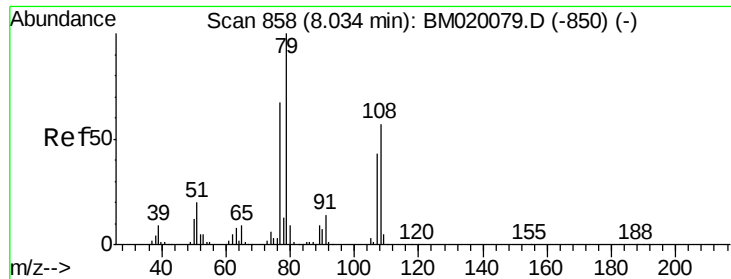
Sohil
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#14
 1,2-Dichlorobenzene
 Concen: 37.151 ng
 RT: 8.14 min Scan# 876
 Delta R.T. -0.00 min
 Lab File: BM020097.D
 Acq: 01 May 2019 19:17

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.8	52.6	79.0
111	45.0	39.0	58.4





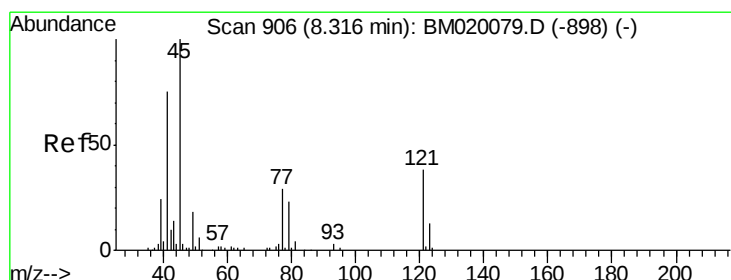
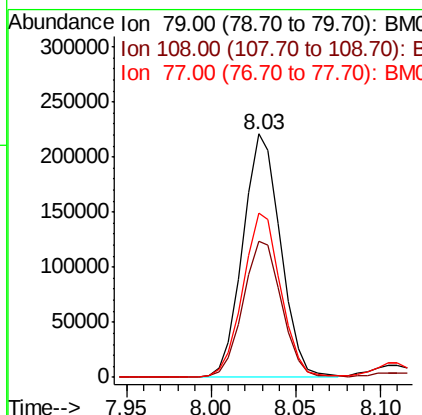
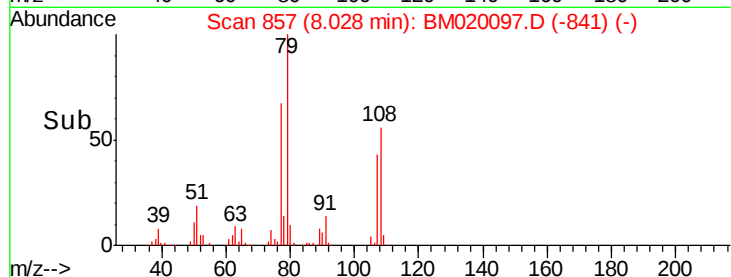
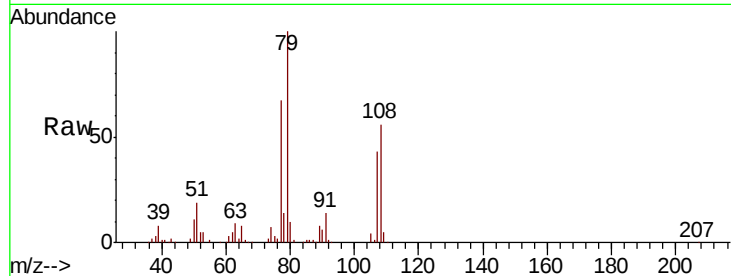
#15
Benzyl Alcohol
Concen: 35.934 ng
RT: 8.03 min Scan# 857
Delta R.T. -0.01 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP3

Tot Ion	Ratio	Lower	Upper
79	100		
108	55.7	46.0	69.0
77	67.4	53.8	80.6

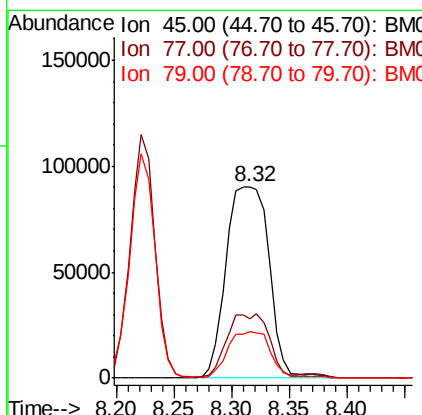
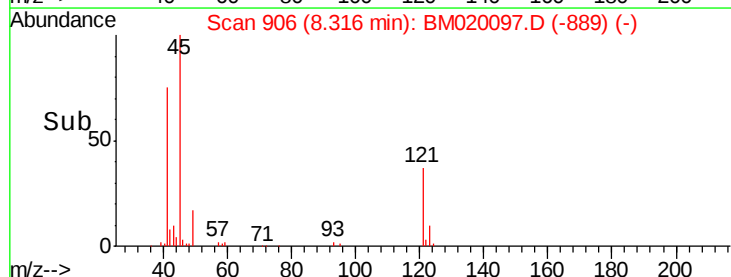
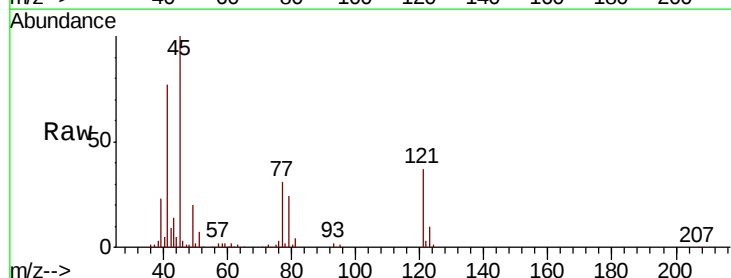
Manual Integrations
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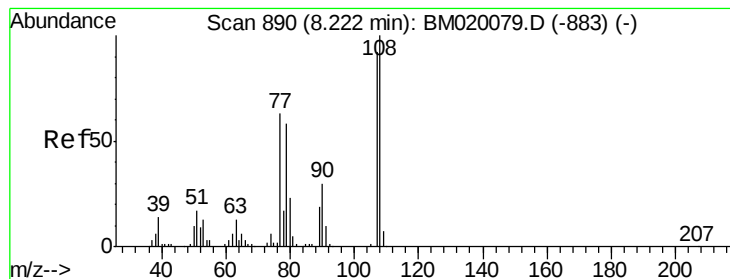
Sohil
5/2/2019 4:55:29 PM



#16
2,2'-oxybis(1-chloropropane)
Concen: 36.133 ng
RT: 8.32 min Scan# 906
Delta R.T. -0.00 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Tgt Ion	Ratio	Lower	Upper
45	100		
77	30.8	10.5	50.5
79	24.1	3.3	43.3





#17

2-Methylphenol

Concen: 37.170 ng

RT: 8.22 min Scan# 890

Delta R.T. -0.00 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Instrument :

BNA_M

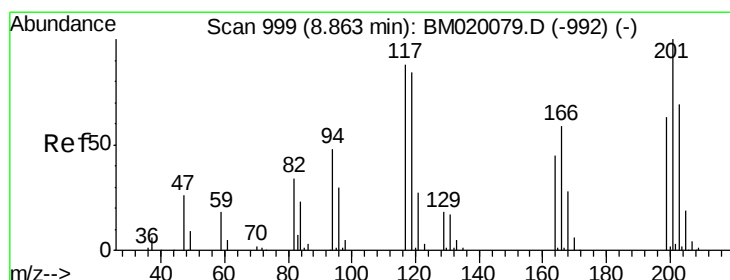
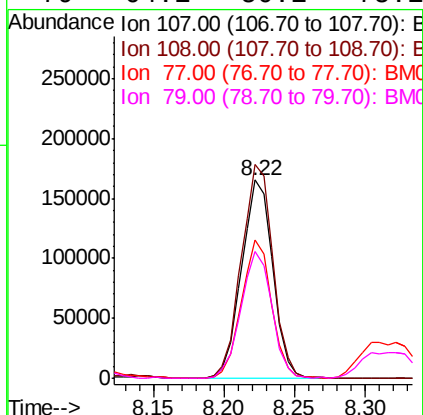
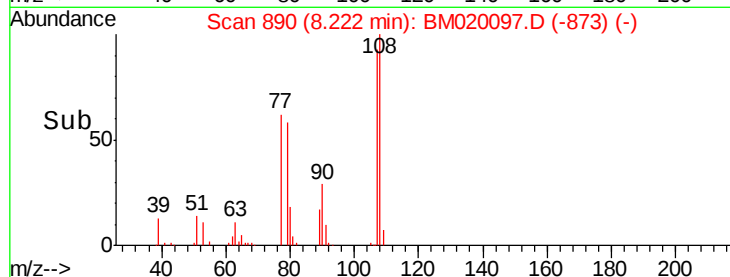
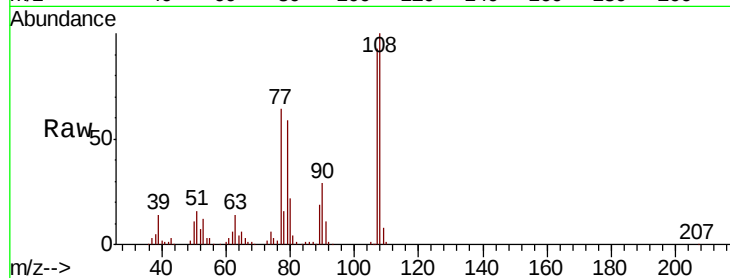
ClientSampled :

IDOC SOIL-HP3

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	107.9	87.0	130.4	
77	69.6	54.7	82.1	
79	64.1	50.1	75.1	

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#18

Hexachloroethane

Concen: 36.531 ng

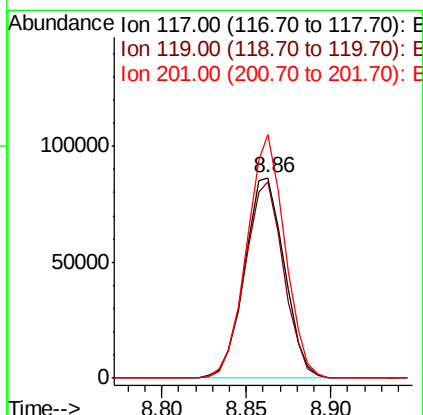
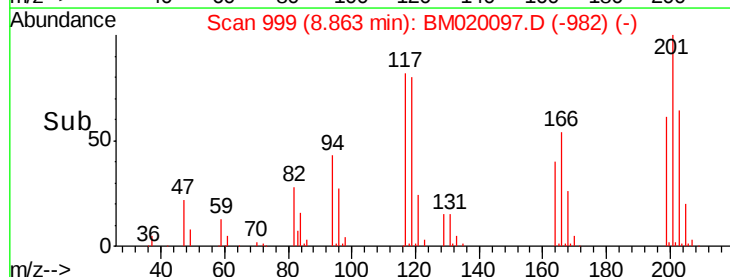
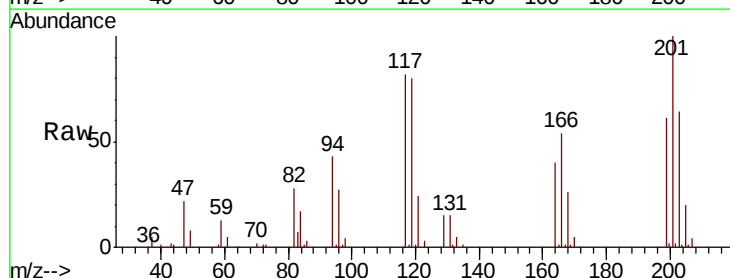
RT: 8.86 min Scan# 999

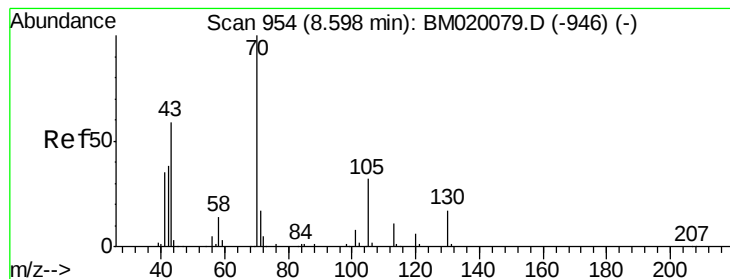
Delta R.T. -0.00 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.6	76.6	114.8	
201	121.5	90.7	136.1	





#19

n-Nitroso-di-n-propylamine

Concen: 35.017 ng

RT: 8.60 min Scan# 954

Delta R.T. -0.00 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Instrument :

BNA_M

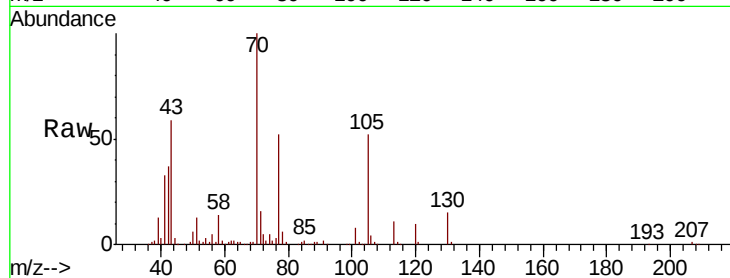
ClientSampleId :

IDOC SOIL-HP3

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	36.8	31.0	46.4	
101	8.0	6.2	9.2	
130	14.7	13.5	20.3	

Manual Integrations
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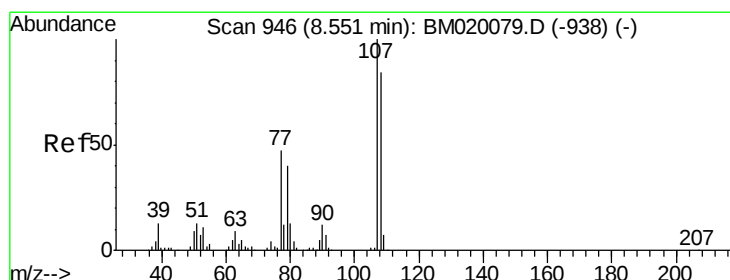
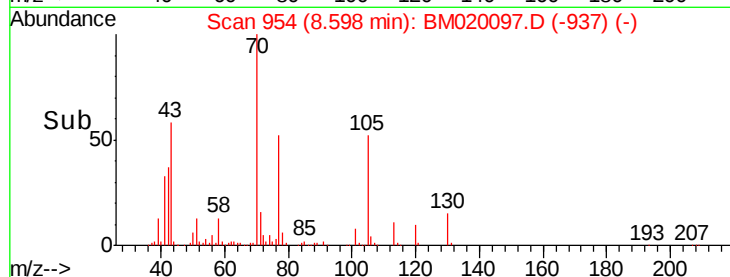
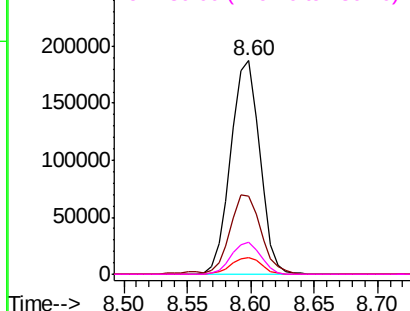
Abundance

Ion 70.00 (69.70 to 70.70): BM020097.D (-946) (-)

Ion 42.00 (41.70 to 42.70): BM020097.D (-946) (-)

Ion 101.00 (100.70 to 101.70): BM020097.D (-946) (-)

Ion 130.00 (129.70 to 130.70): BM020097.D (-946) (-)



#20

3+4-Methylphenols

Concen: 36.605 ng

RT: 8.55 min Scan# 946

Delta R.T. -0.00 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	86.7	64.4	104.4	
77	47.4	27.2	67.2	
79	40.1	19.6	59.6	

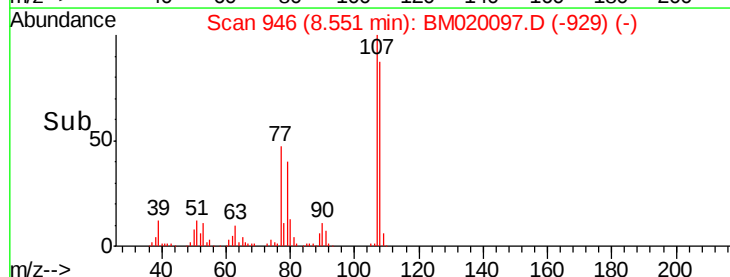
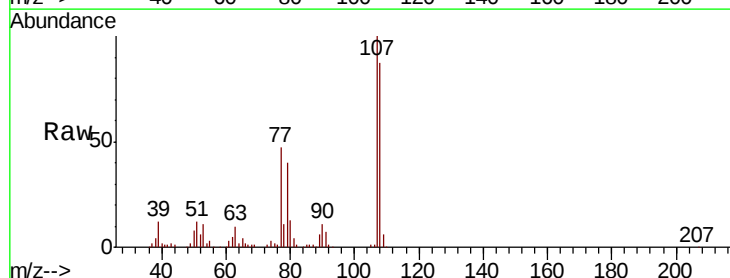
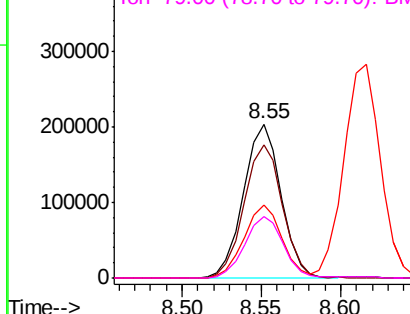
Abundance

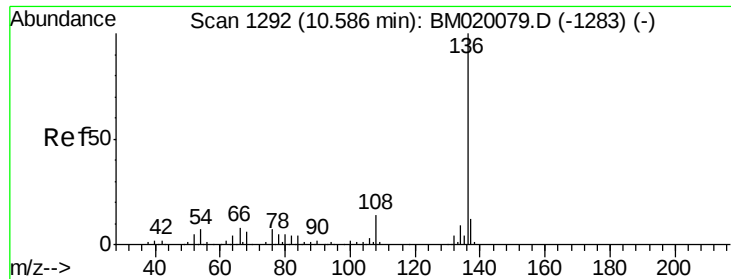
Ion 107.00 (106.70 to 107.70): BM020097.D (-938) (-)

Ion 108.00 (107.70 to 108.70): BM020097.D (-938) (-)

Ion 77.00 (76.70 to 77.70): BM020097.D (-938) (-)

Ion 79.00 (78.70 to 79.70): BM020097.D (-938) (-)





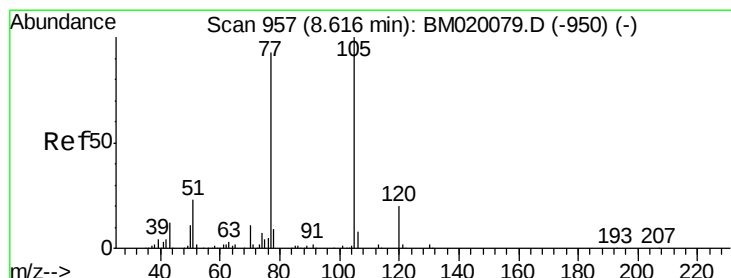
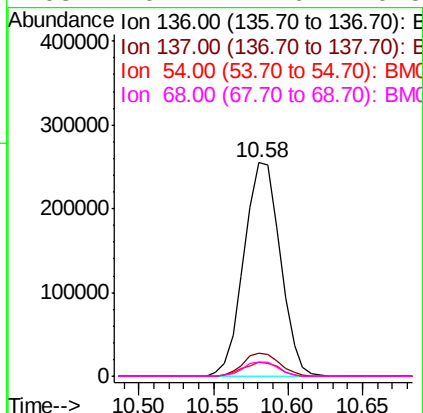
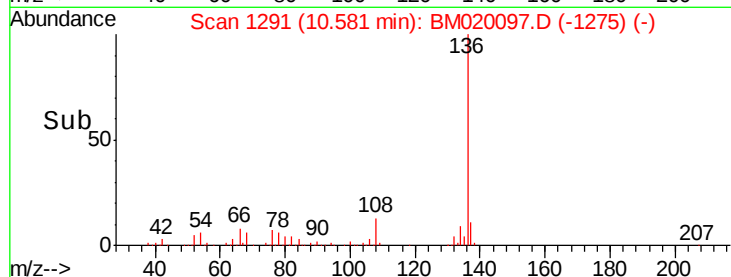
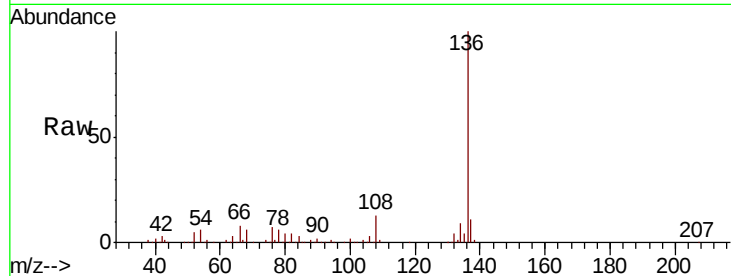
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.58 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP3

Tot Ion	Ratio	Resp	Lower	Upper
136	100	429948		
137	10.6		9.6	14.4
54	6.3		5.5	8.3
68	6.4		4.6	6.8

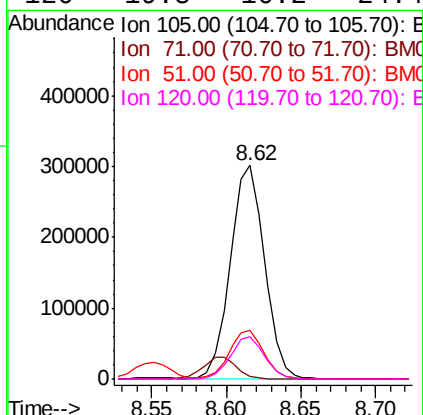
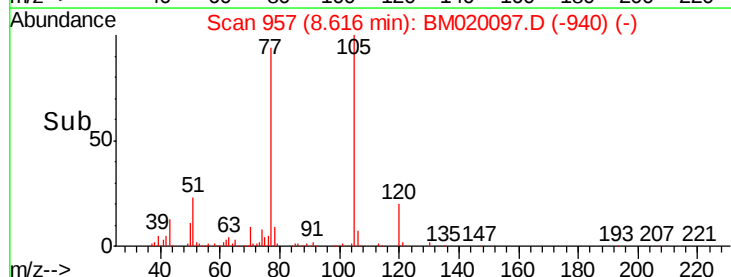
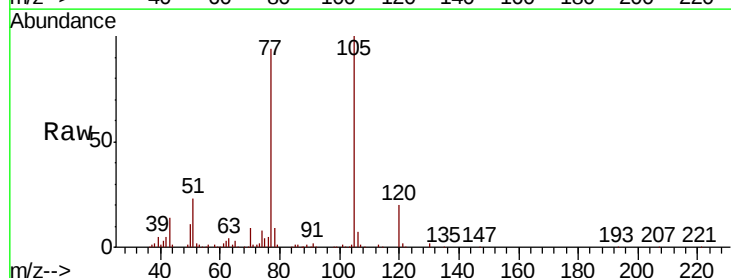
Manual Integrations
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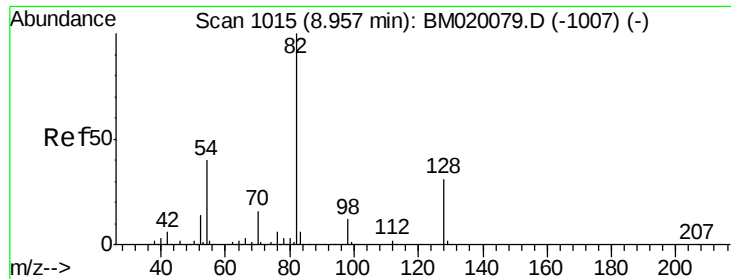
Sohil
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#22
Acetophenone
Concen: 40.976 ng
RT: 8.62 min Scan# 957
Delta R.T. -0.00 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	481490		
71	1.4		2.2	3.2#
51	23.0		19.3	28.9
120	19.8		16.2	24.4





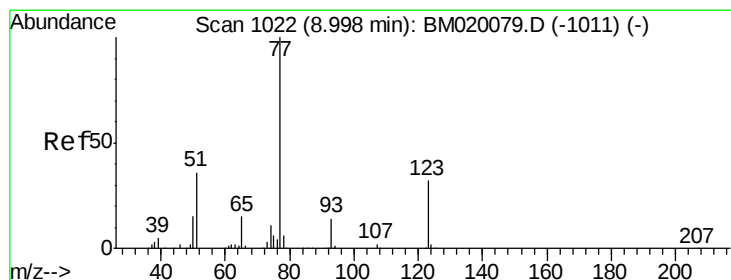
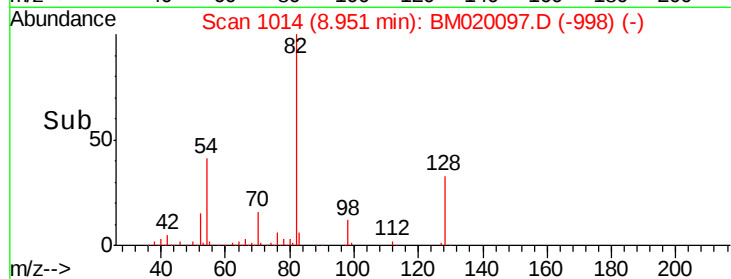
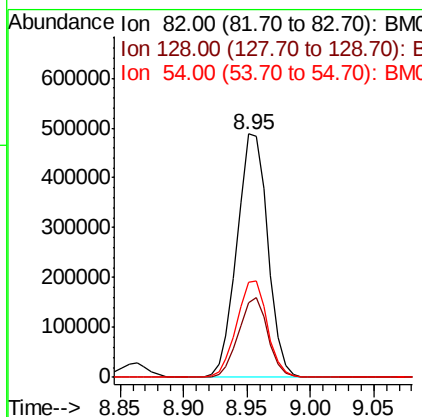
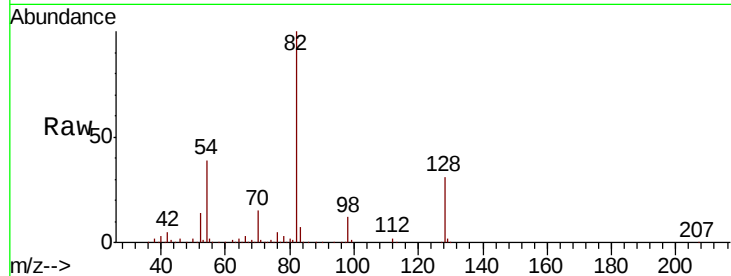
#23
Nitrobenzene-d5
Concen: 75.801 ng
RT: 8.95 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP3

Tot Ion	Ratio	Lower	Upper
82	100		
128	30.9	25.2	37.8
54	39.0	31.9	47.9

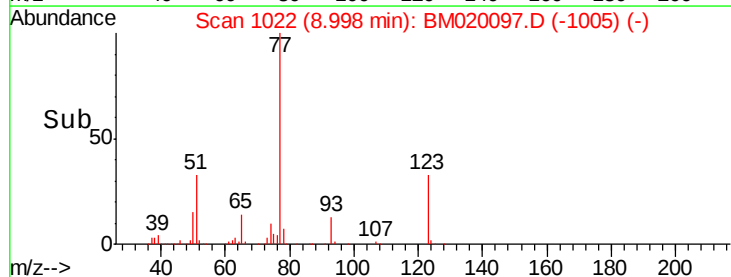
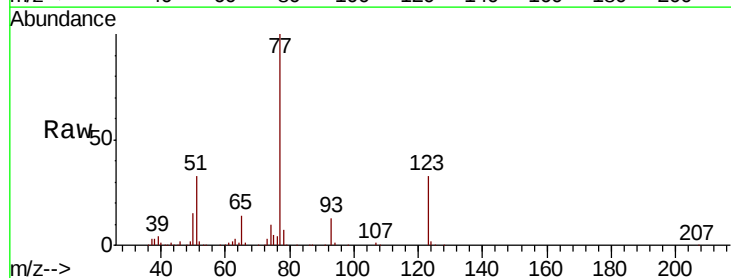
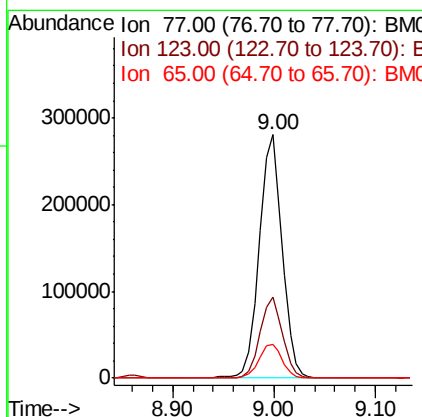
Manual Integrations
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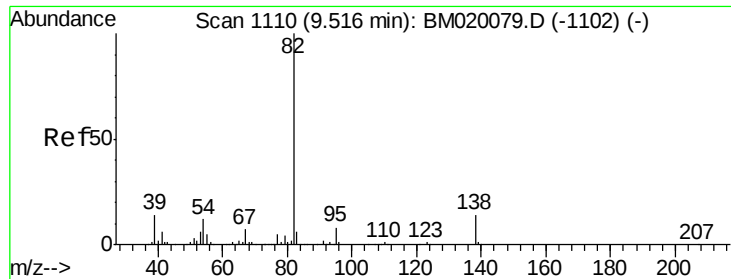
Sohil
5/2/2019 4:55:29 PM



#24
Nitrobenzene
Concen: 38.937 ng
RT: 9.00 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Tgt Ion	Ratio	Lower	Upper
77	100		
123	33.4	25.5	38.3
65	14.0	11.8	17.6





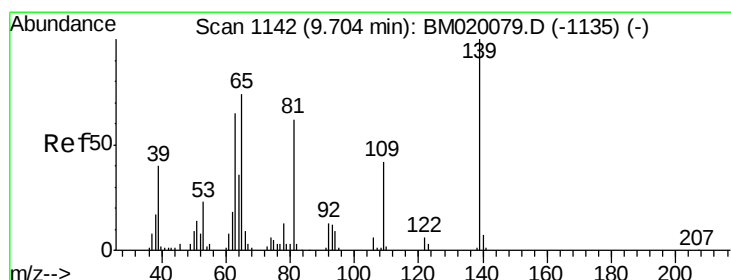
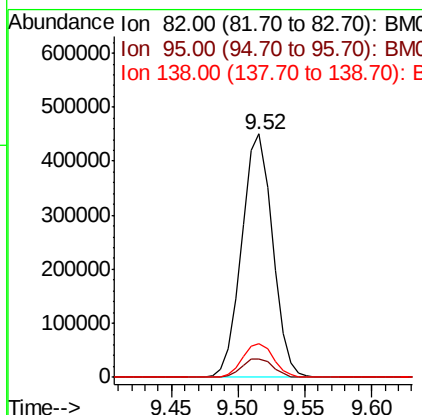
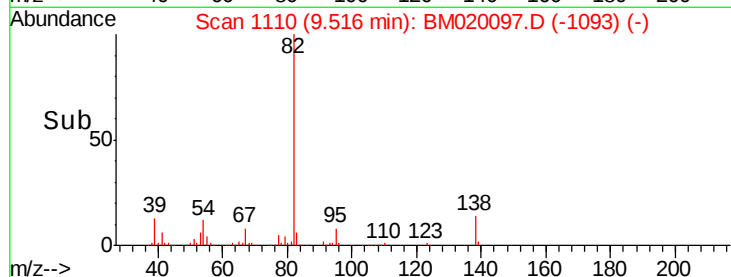
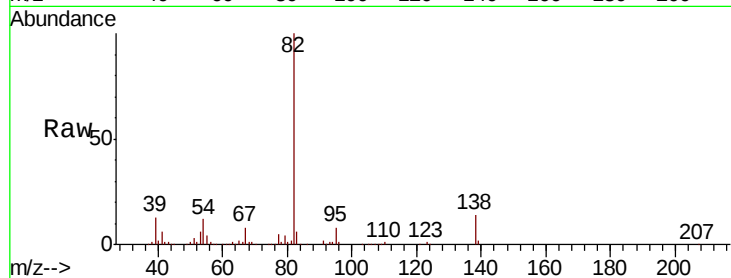
#25
Isophorone
Concen: 38.365 ng
RT: 9.52 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP3

Tot Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.4	9.6
138	14.1	11.1	16.7

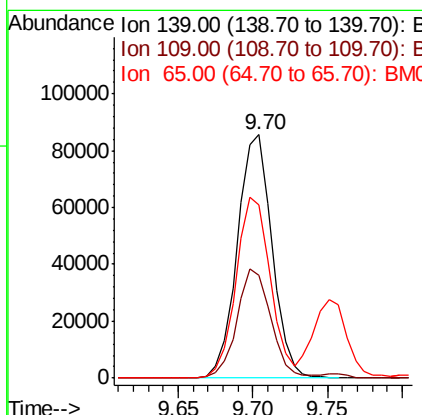
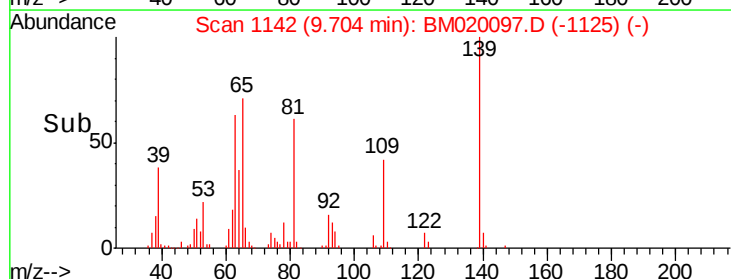
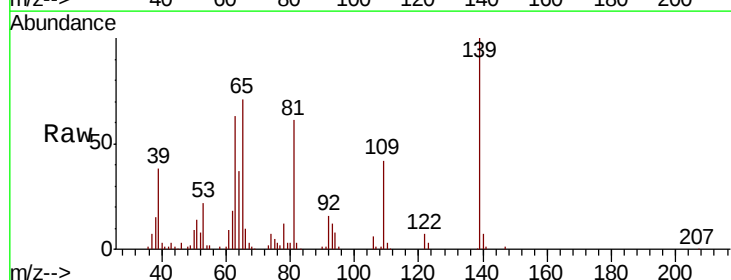
Manual Integrations
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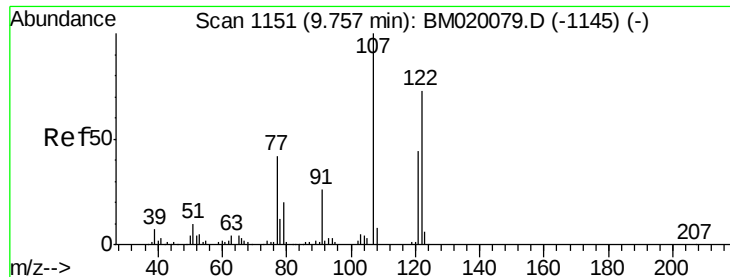
Sohil
5/2/2019 4:55:29 PM



#26
2-Nitrophenol
Concen: 40.469 ng
RT: 9.70 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Tgt Ion	Ratio	Lower	Upper
139	100		
109	42.0	33.7	50.5
65	71.1	59.5	89.3





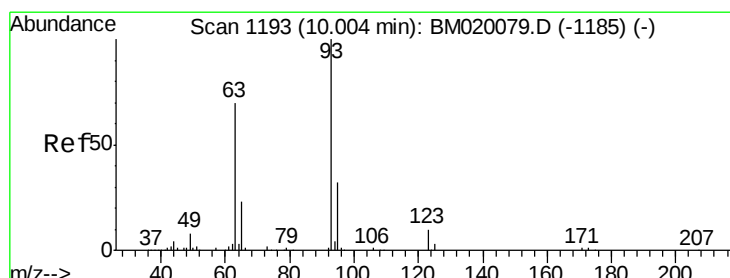
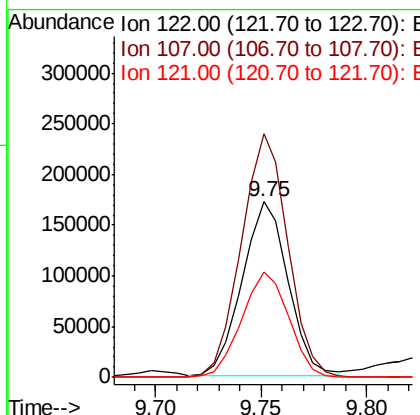
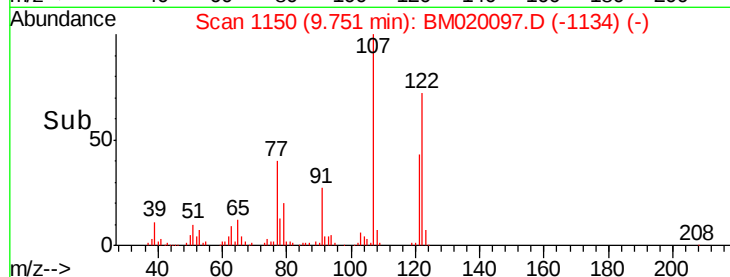
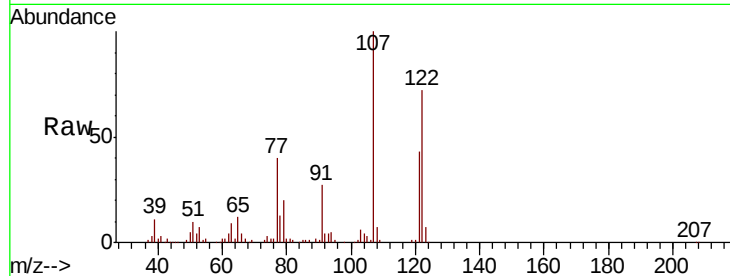
#27
 2,4-Dimethylphenol
 Concen: 45.510 ng
 RT: 9.75 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BM020097.D
 Acq: 01 May 2019 19:17

Instrument :
 BNA_M
 ClientSampleId :
 IDOCSOIL-HP3

Tot Ion	Ratio	Lower	Upper
122	100		
107	138.6	108.6	162.8
121	60.3	47.4	71.2

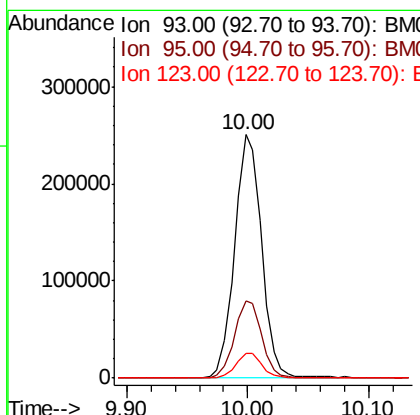
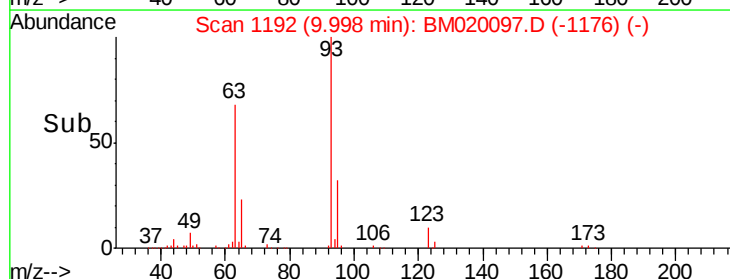
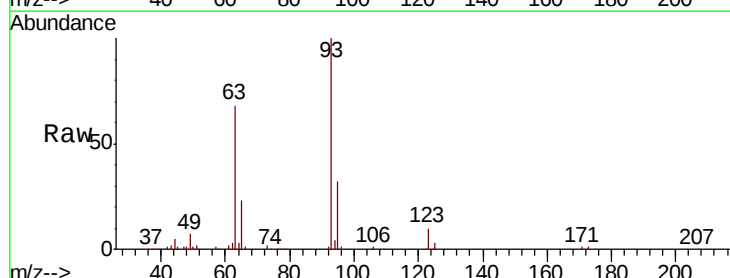
Manual Integrations
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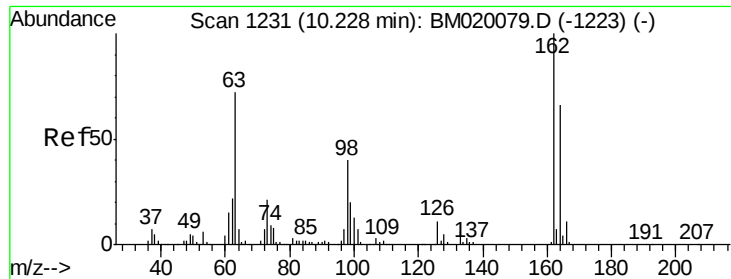
Sohil
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#28
 bis(2-Chloroethoxy)methane
 Concen: 38.304 ng
 RT: 10.00 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BM020097.D
 Acq: 01 May 2019 19:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.5	38.3
123	10.0	7.6	11.4





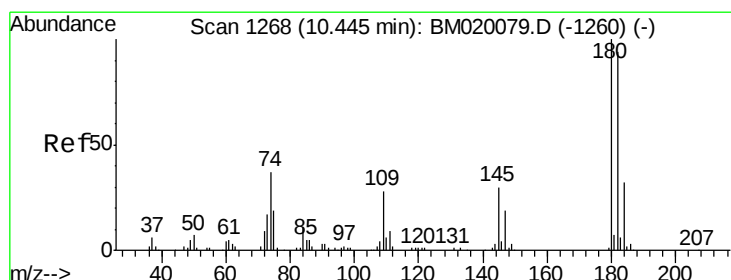
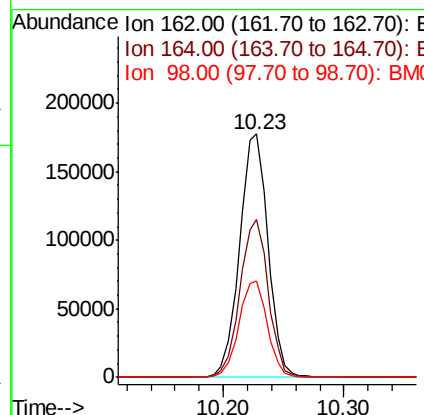
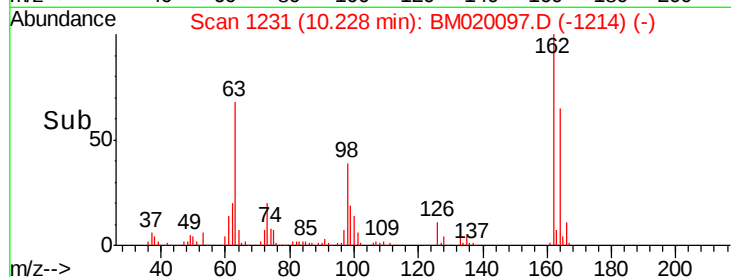
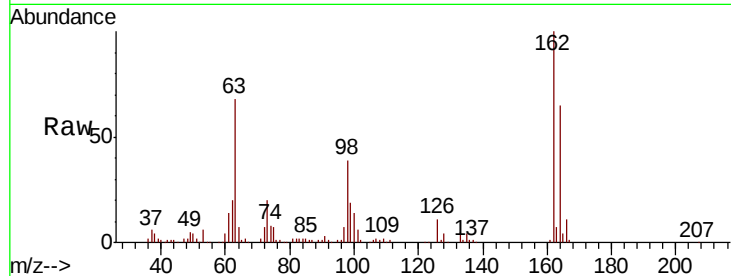
#29
2,4-Dichlorophenol
Concen: 40.864 ng
RT: 10.23 min Scan# 1231
Delta R.T. -0.00 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP3

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.9	45.6	85.6
98	39.5	20.4	60.4

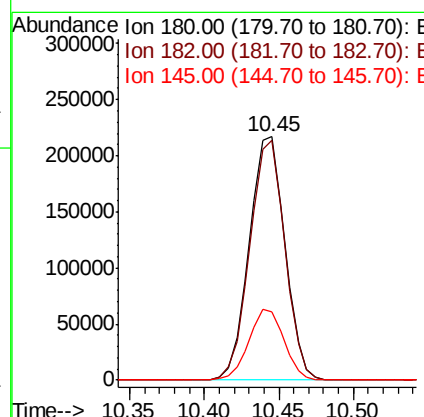
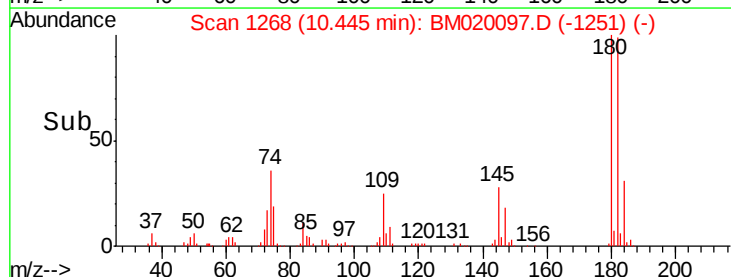
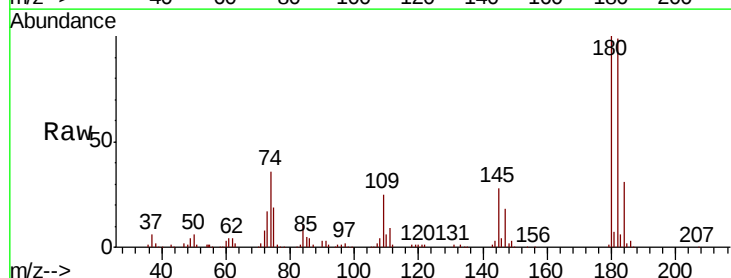
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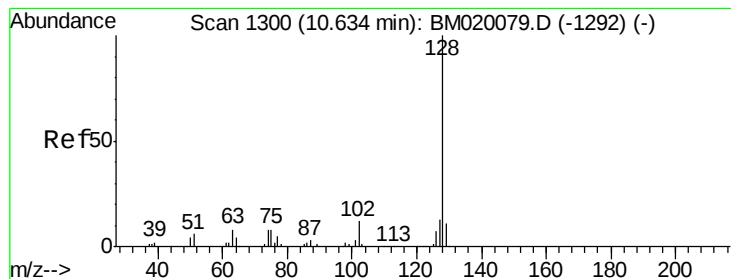
Sohil
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#30
1,2,4-Trichlorobenzene
Concen: 40.660 ng
RT: 10.45 min Scan# 1268
Delta R.T. -0.00 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	75.4	113.0
145	28.0	23.8	35.8





#31

Naphthalene

Concen: 38.880 ng

RT: 10.63 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Instrument :

BNA_M

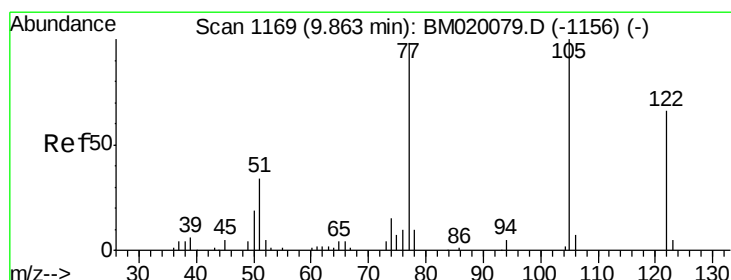
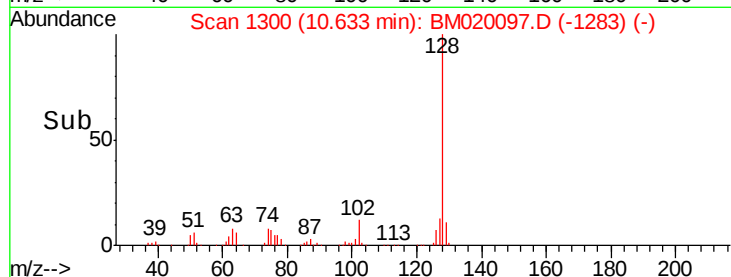
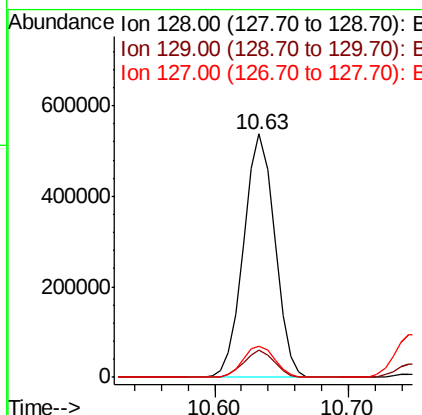
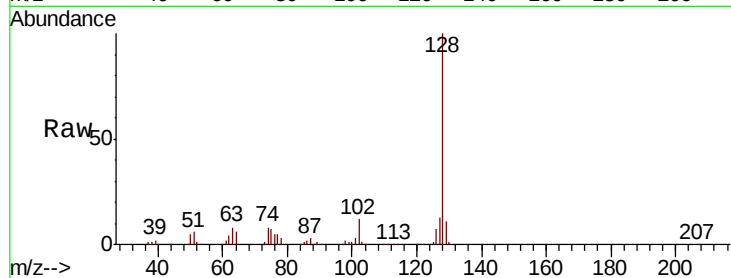
ClientSampleId :

IDOC SOIL-HP3

Tot Ion:	128	Resp:	867485
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.0	13.4
127	12.9	10.4	15.6

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#32

Benzoic acid

Concen: 35.870 ng

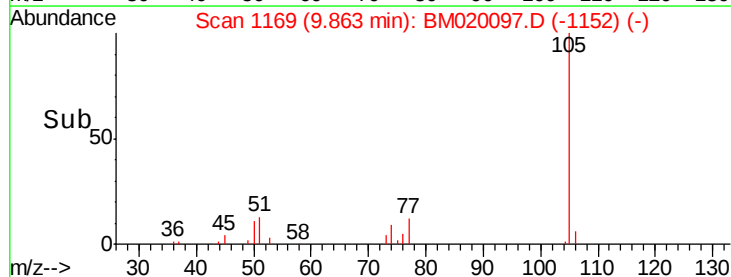
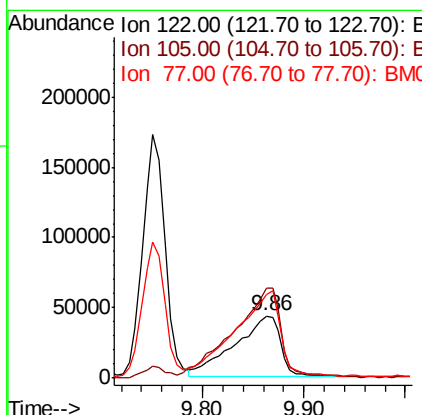
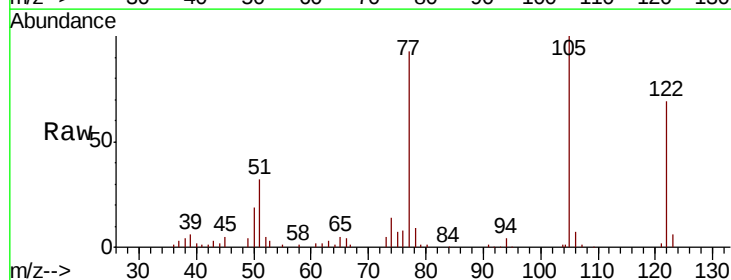
RT: 9.86 min Scan# 1169

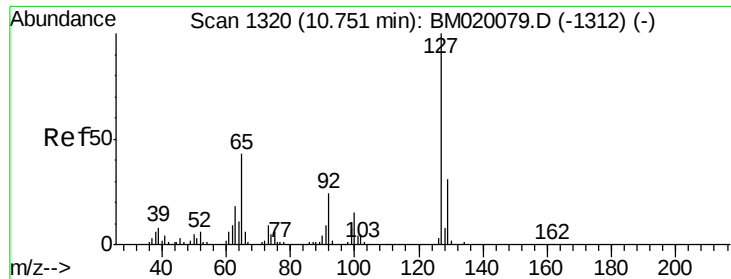
Delta R.T. 0.00 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Tgt Ion:	122	Resp:	137020
Ion Ratio	Lower	Upper	
122	100		
105	145.1	122.5	162.5
77	135.2	123.3	163.3





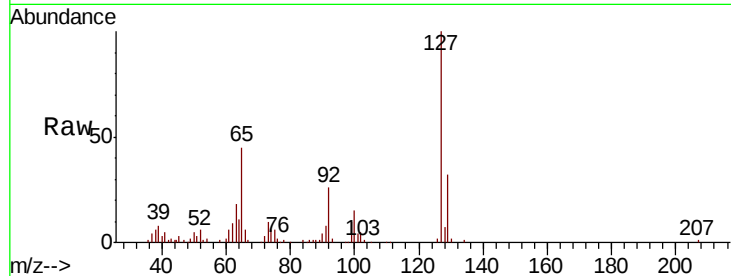
#33
4-Chloroaniline
Concen: 17.904 ng
RT: 10.75 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP3

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	31.9	24.7	37.1	
65	44.9	34.6	52.0	
92	25.8	19.5	29.3	

Manual Integrations
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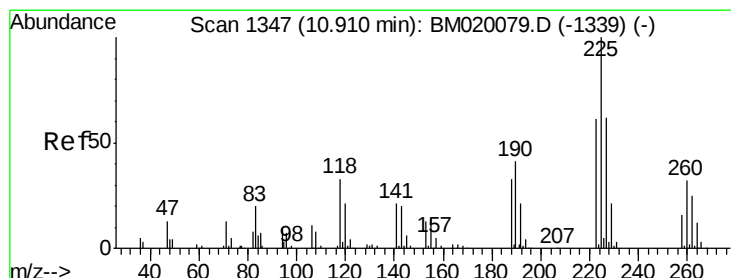
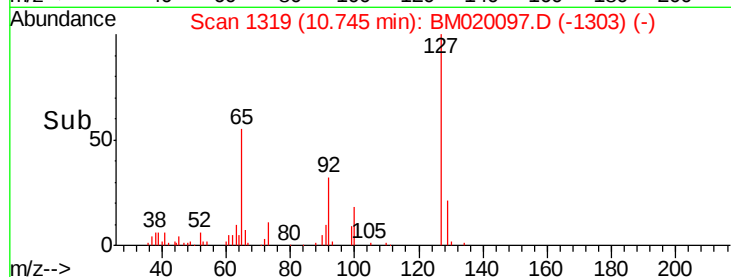
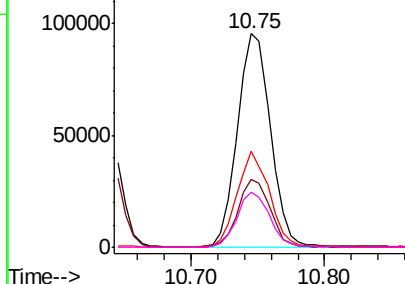
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

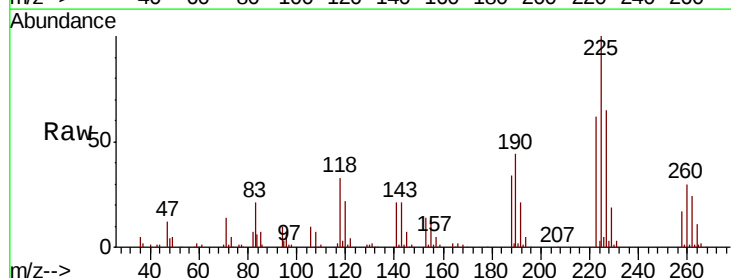
Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0



#34
Hexachlorobutadiene
Concen: 39.249 ng
RT: 10.90 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	48.9	73.3	
227	65.3	49.6	74.4	

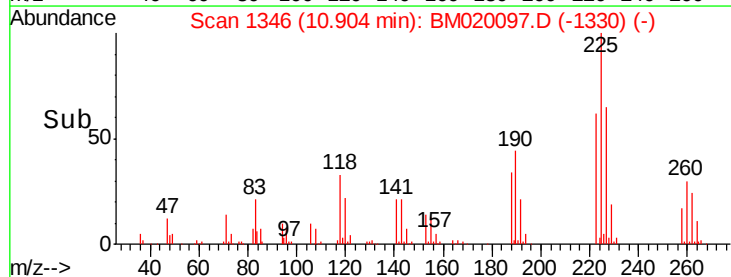
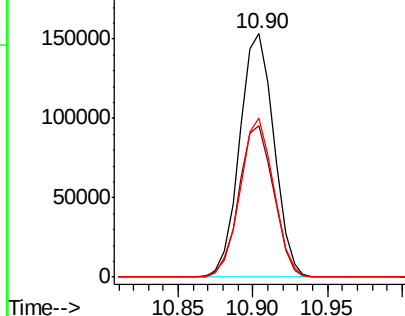


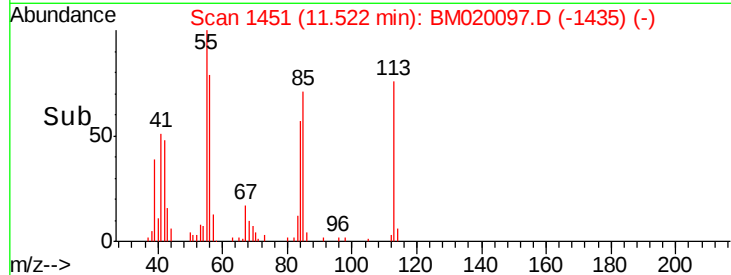
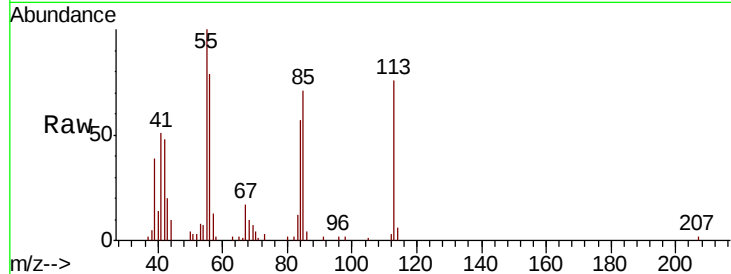
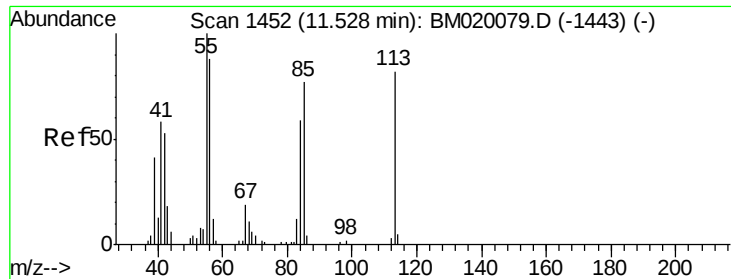
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 35.321 ng/ml

RT: 11.52 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Tot Ion:	113	Resp:	75581
Ion Ratio	Lower	Upper	
113	100		
55	131.8	102.5	142.5
56	104.0	87.7	127.7

Instrument :

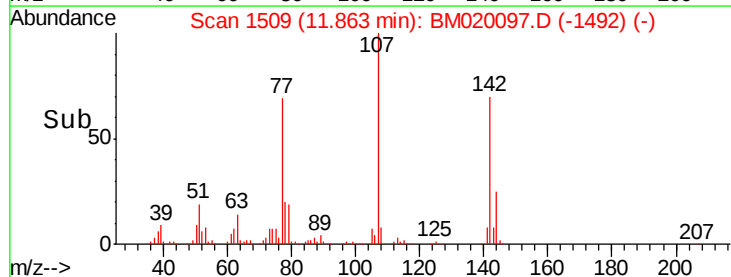
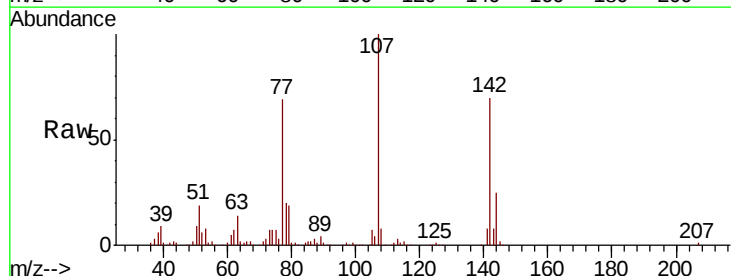
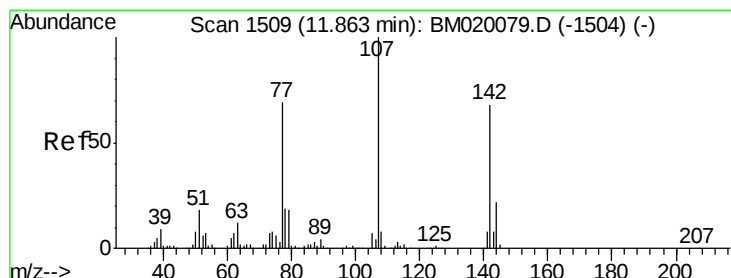
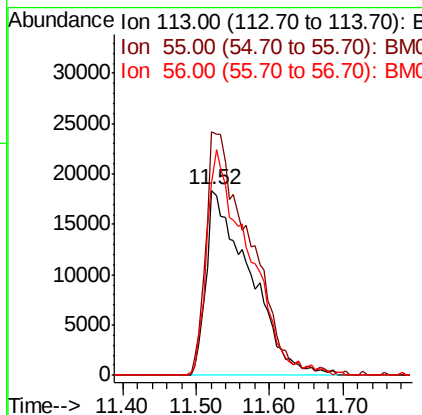
BNA_M

ClientSampleId :

IDOC SOIL-HP3

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#36

4-Chloro-3-methylphenol

Concen: 36.669 ng/ml

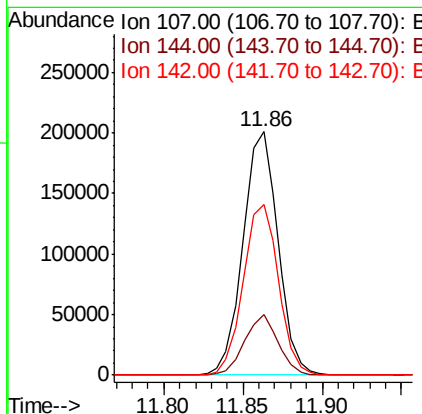
RT: 11.86 min Scan# 1509

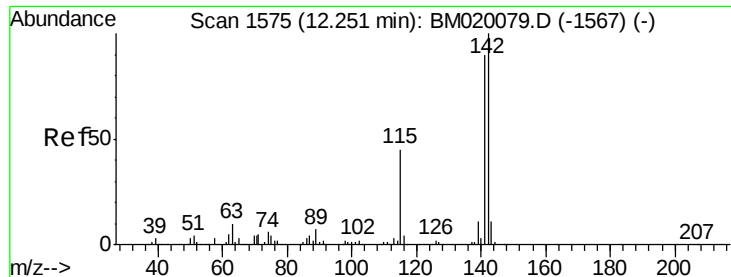
Delta R.T. -0.00 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Tgt Ion:	107	Resp:	308373
Ion Ratio	Lower	Upper	
107	100		
144	24.9	17.6	26.4
142	70.2	54.6	82.0





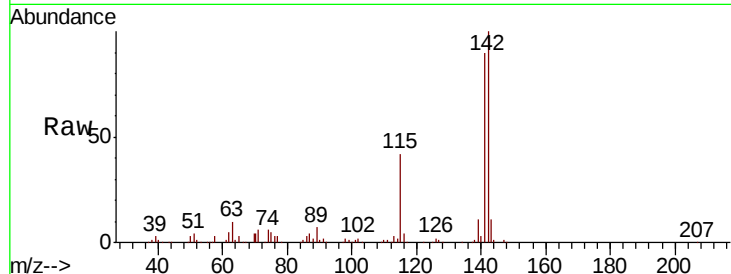
#37
2-Methylnaphthalene
Concen: 39.484 ng
RT: 12.25 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP3

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.6	107.4
115	42.3	35.8	53.6

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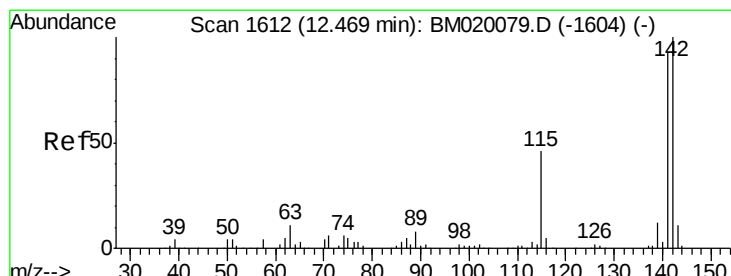
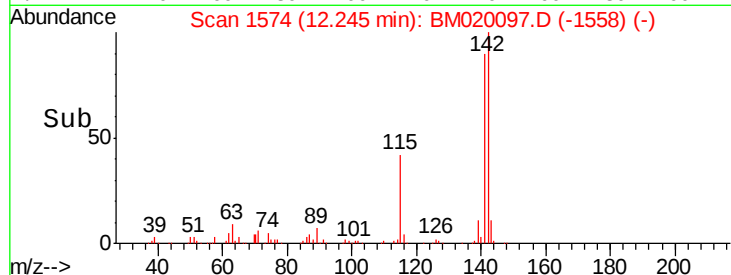
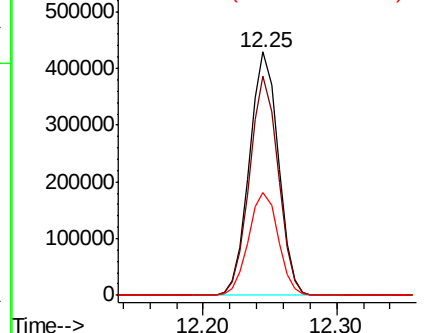


Abundance

Ion 142.00 (141.70 to 142.70): E

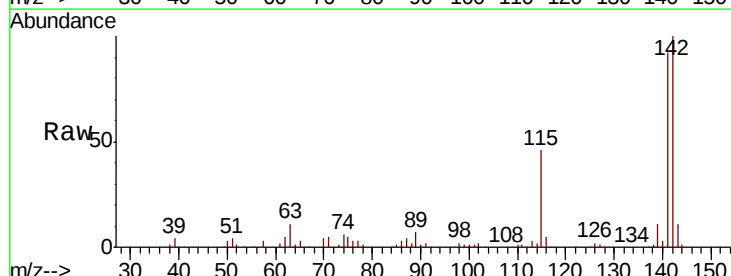
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 37.890 ng
RT: 12.47 min Scan# 1612
Delta R.T. -0.00 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.7	74.8	112.2
116	4.6	3.9	5.9

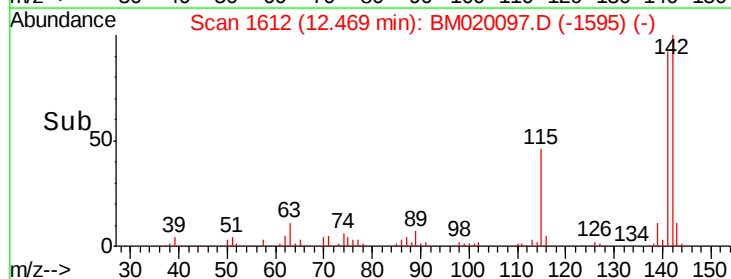
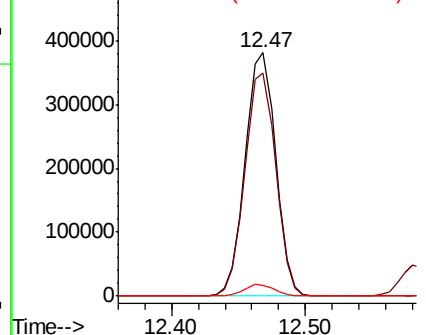


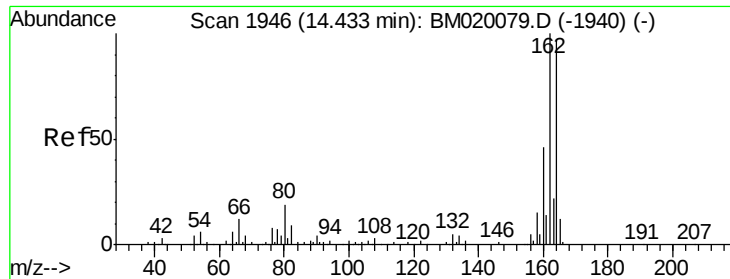
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.43 min Scan# 1946

Delta R.T. -0.00 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Instrument :

BNA_M

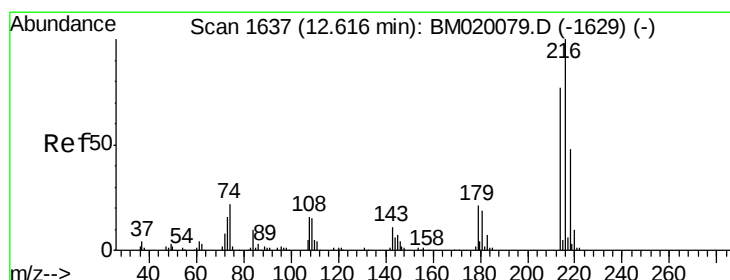
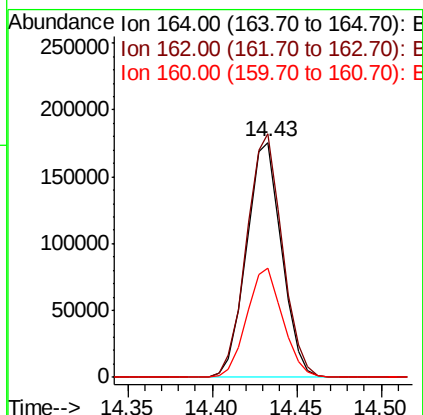
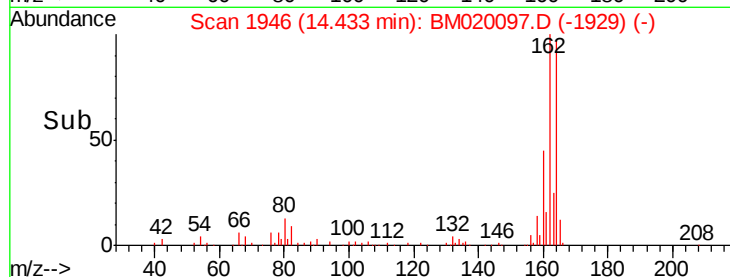
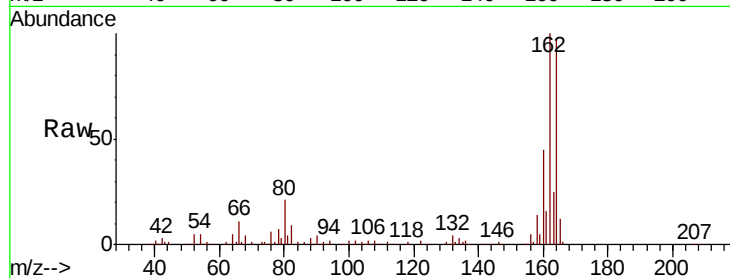
ClientSampleId :

IDOC SOIL-HP3

Tot Ion:	164	Resp:	254200
Ion Ratio	Lower	Upper	
164	100		
162	103.6	82.2	123.2
160	46.4	37.6	56.4

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.387 ng

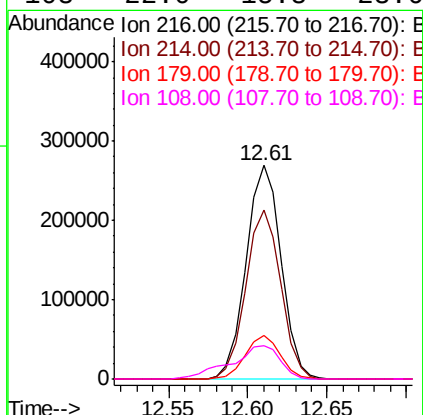
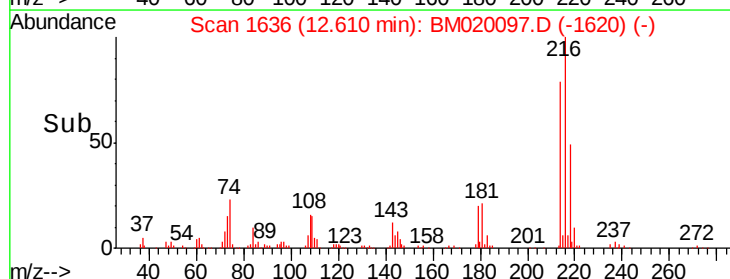
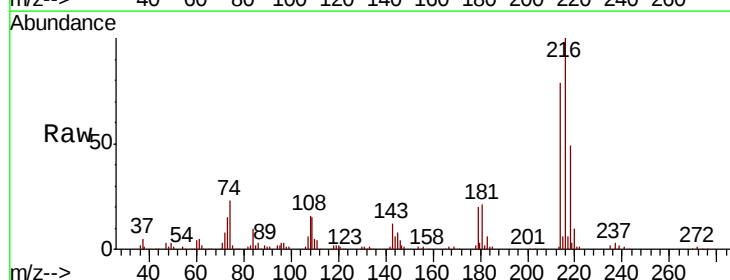
RT: 12.61 min Scan# 1636

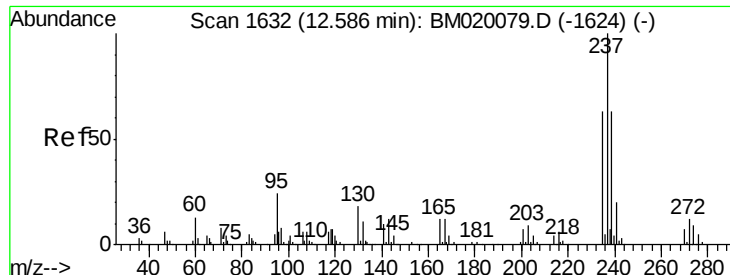
Delta R.T. -0.01 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Tgt Ion:	216	Resp:	411602
Ion Ratio	Lower	Upper	
216	100		
214	78.9	62.6	94.0
179	20.3	17.1	25.7
108	22.0	15.8	23.6





#41

Hexachlorocyclopentadiene

Concen: 110.602 ng

RT: 12.58 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Instrument :

BNA_M

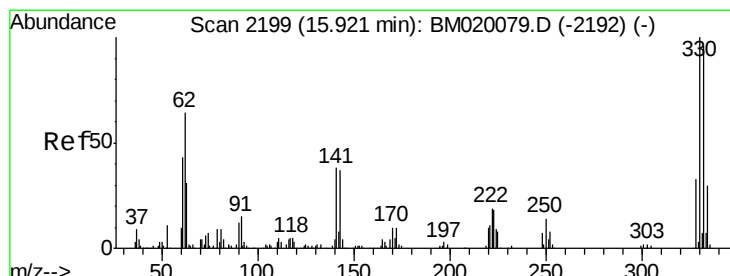
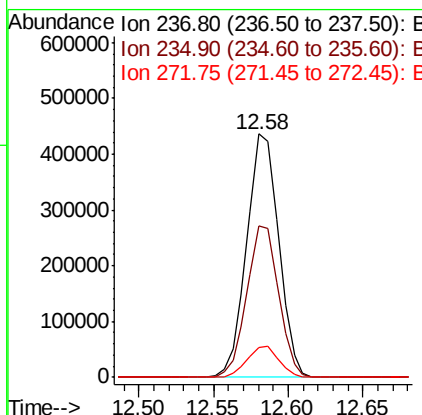
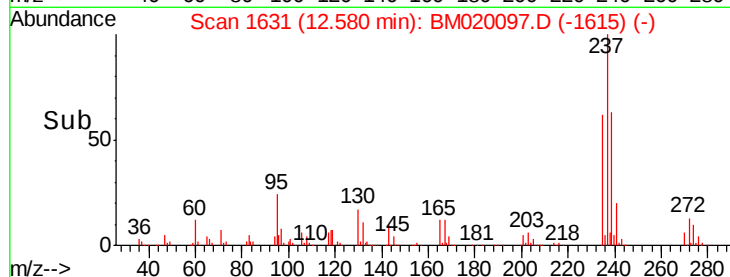
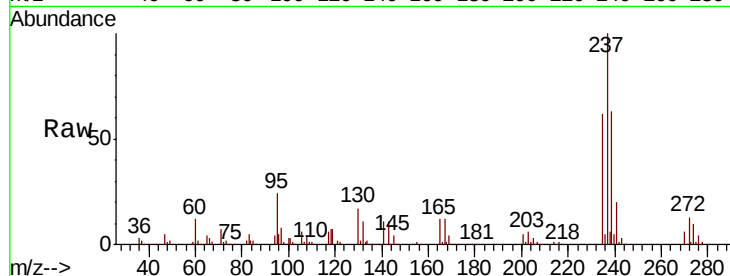
ClientSampleId :

IDOC SOIL-HP3

Tot Ion:	237	Resp:	647665
Ion Ratio		Lower	Upper
237	100		
235	62.2	43.4	83.4
272	12.5	0.0	31.7

Manual Integrations
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#42

2,4,6-Tribromophenol

Concen: 132.197 ng

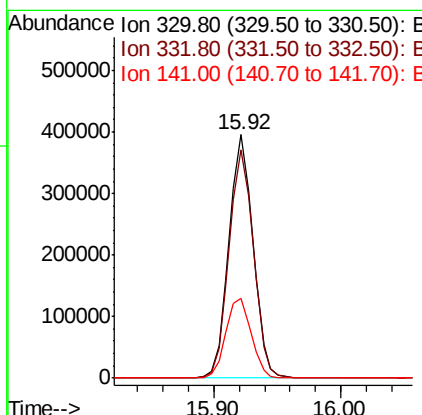
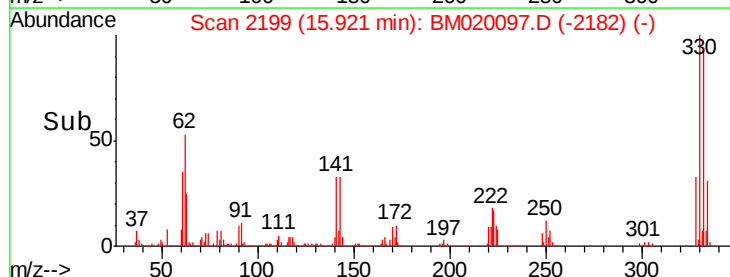
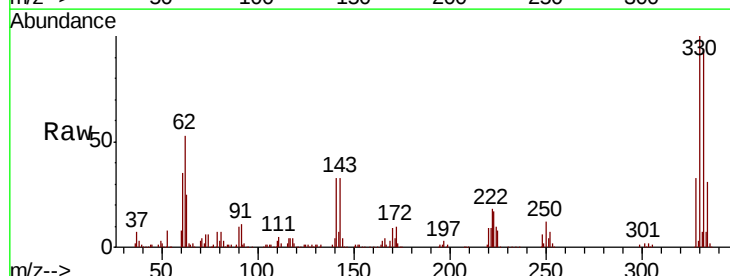
RT: 15.92 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Tgt Ion:	330	Resp:	521606
Ion Ratio		Lower	Upper
330	100		
332	94.9	76.8	115.2
141	34.3	29.2	43.8





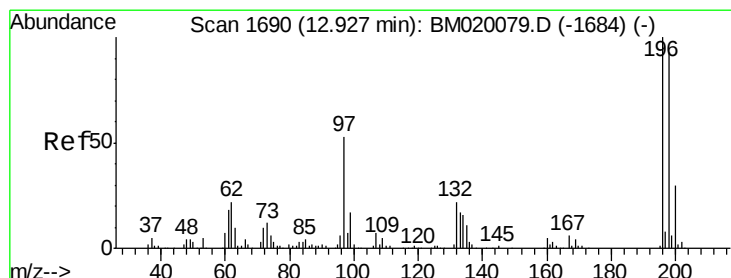
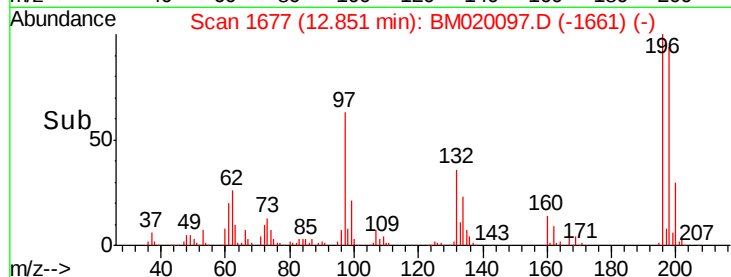
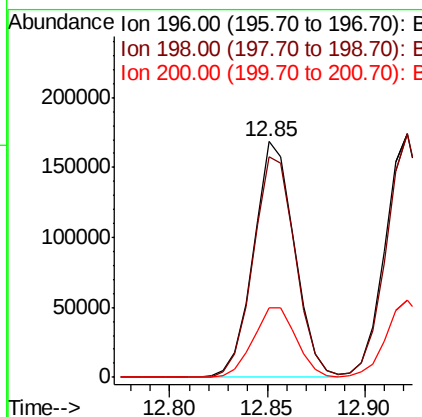
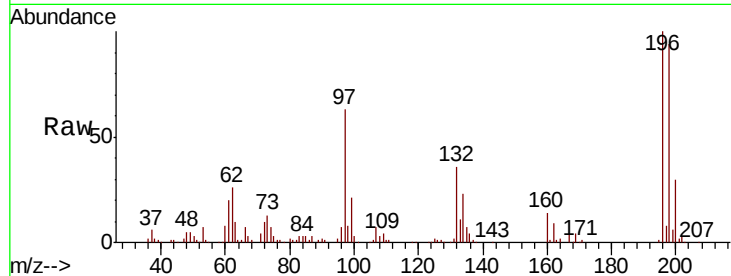
#43
 2,4,6-Trichlorophenol
 Concen: 43.221 ng
 RT: 12.85 min Scan# 1677
 Delta R.T. -0.01 min
 Lab File: BM020097.D
 Acq: 01 May 2019 19:17

Instrument :
 BNA_M
 ClientSampleId :
 IDOC SOIL-HP3

Tot Ion	Ratio	Resp	Lower	Upper
196	100	244291		
198	93.7	76.2	114.2	
200	29.7	24.3	36.5	

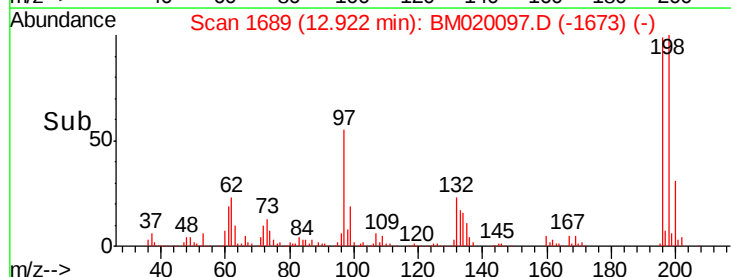
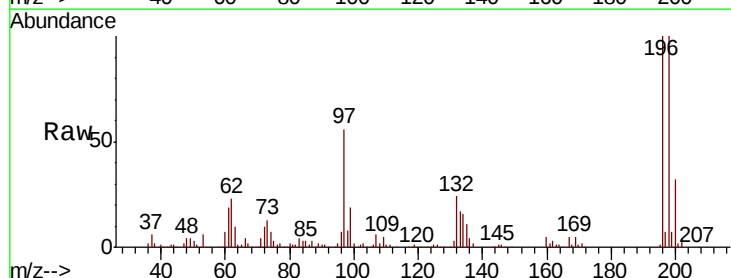
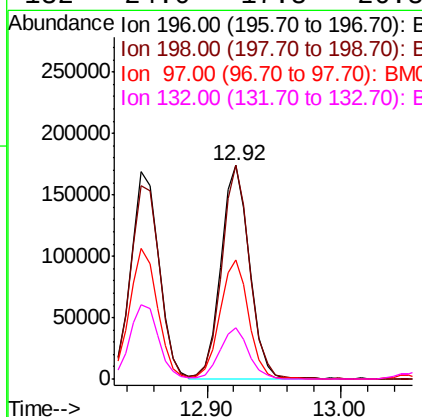
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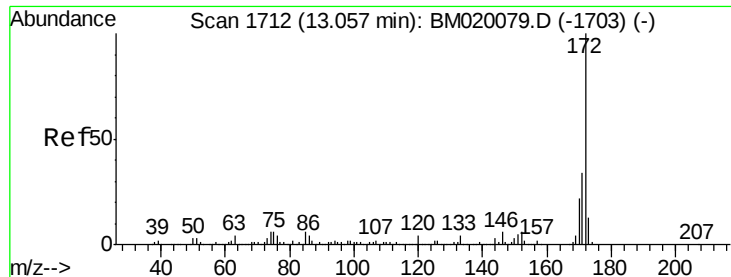
Sohil
 5/2/2019 4:55:29 PM



#44
 2,4,5-Trichlorophenol
 Concen: 41.092 ng
 RT: 12.92 min Scan# 1689
 Delta R.T. -0.01 min
 Lab File: BM020097.D
 Acq: 01 May 2019 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	259468		
198	100.0	74.7	112.1	
97	55.6	42.2	63.4	
132	24.0	17.8	26.8	





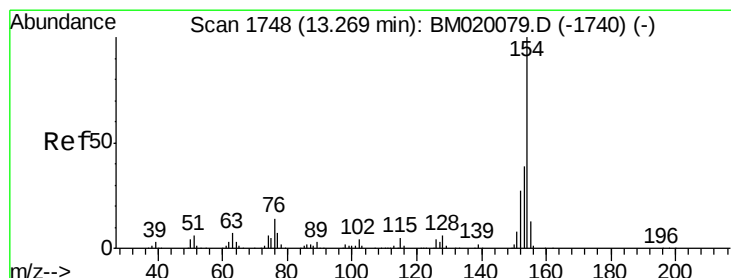
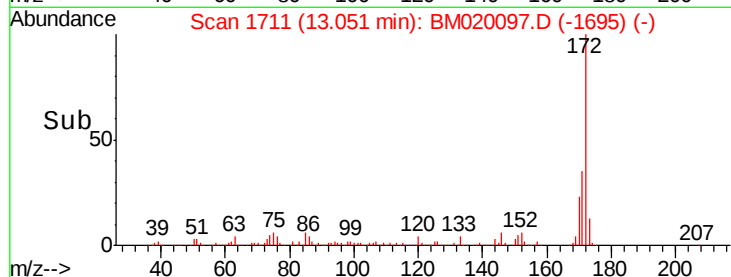
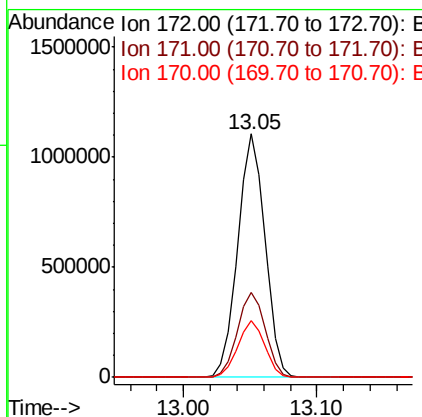
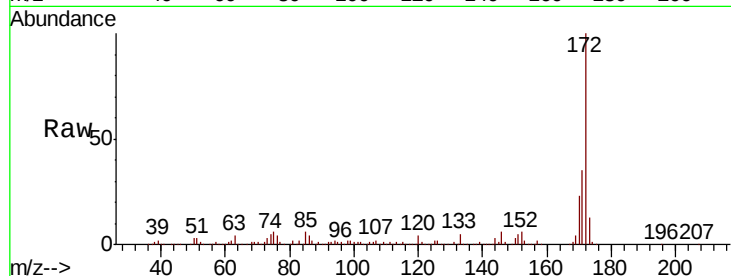
#45
 2-Fluorobiphenyl
 Concen: 75.662 ng
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BM020097.D
 Acq: 01 May 2019 19:17

Instrument :
 BNA_M
 ClientSampleId :
 IDOC SOIL-HP3

Tot Ion:172	Resp: 1563224		
Ion Ratio	Lower	Upper	
172 100			
171 35.1	27.3	40.9	
170 23.5	17.9	26.9	

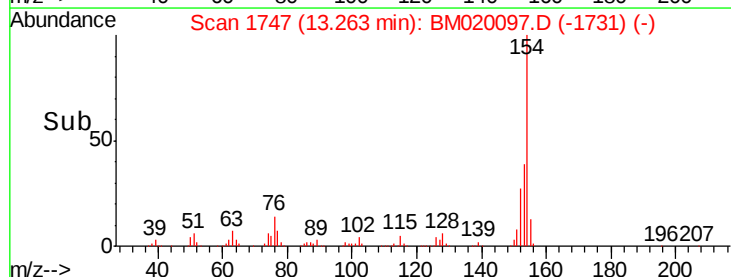
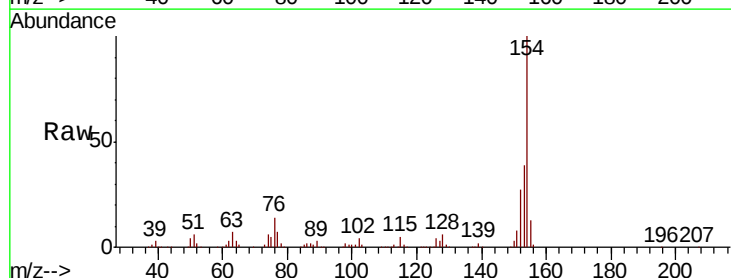
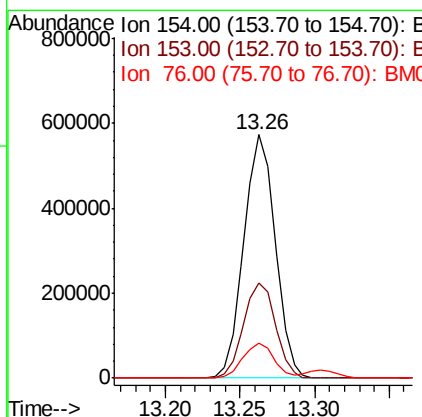
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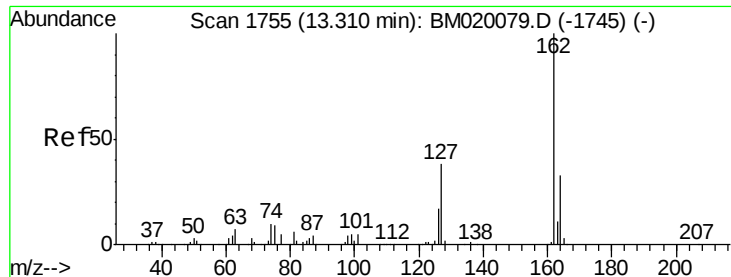
Sohil
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#46
 1,1'-Biphenyl
 Concen: 39.845 ng
 RT: 13.26 min Scan# 1747
 Delta R.T. -0.01 min
 Lab File: BM020097.D
 Acq: 01 May 2019 19:17

Tgt Ion:154	Resp: 833675
Ion Ratio	Lower Upper
154 100	
153 39.0	19.4 59.4
76 14.2	0.0 34.5





#47

2-Chloronaphthalene

Concen: 39.848 ng

RT: 13.30 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Instrument :

BNA_M

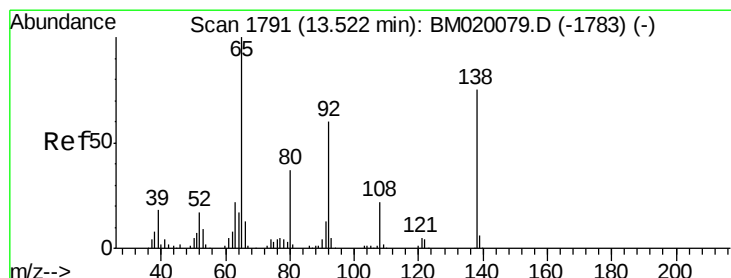
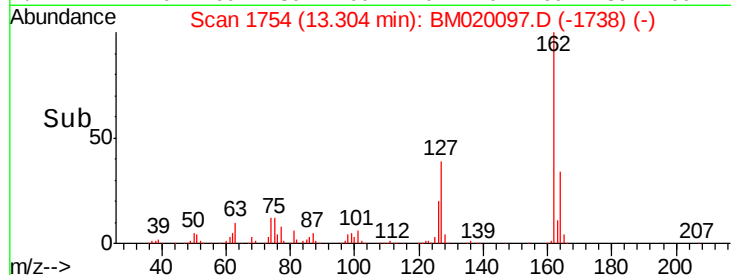
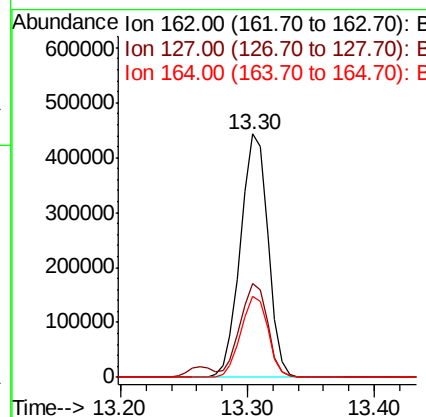
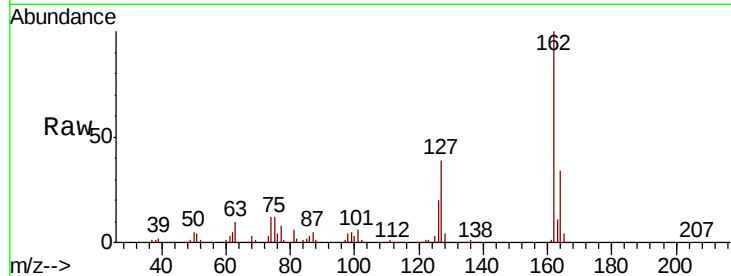
ClientSampleId :

IDOC SOIL-HP3

Tot Ion:	162	Resp:	665686
Ion Ratio		Lower	Upper
162	100		
127	38.6	31.0	46.4
164	33.5	26.2	39.2

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#48

2-Nitroaniline

Concen: 37.430 ng

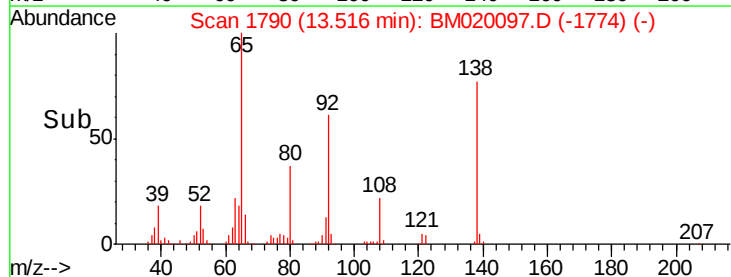
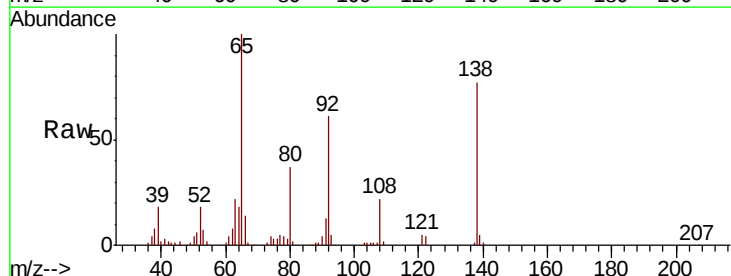
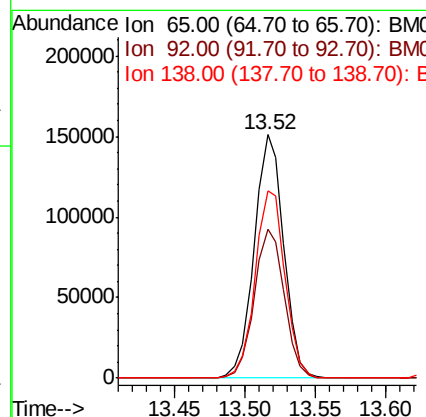
RT: 13.52 min Scan# 1790

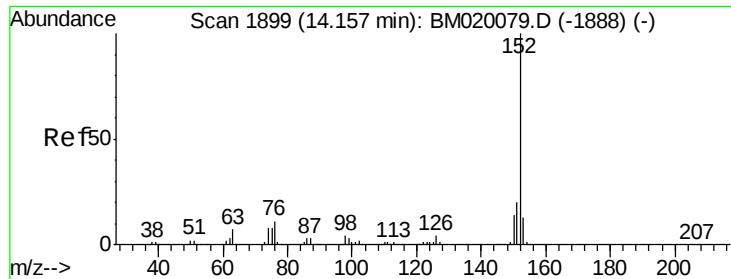
Delta R.T. -0.01 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Tgt Ion:	65	Resp:	222610
Ion Ratio		Lower	Upper
65	100		
92	60.9	48.2	72.4
138	76.8	60.3	90.5





#49

Acenaphthylene

Concen: 37.344 ng

RT: 14.16 min Scan# 1899

Delta R.T. -0.00 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Instrument :

BNA_M

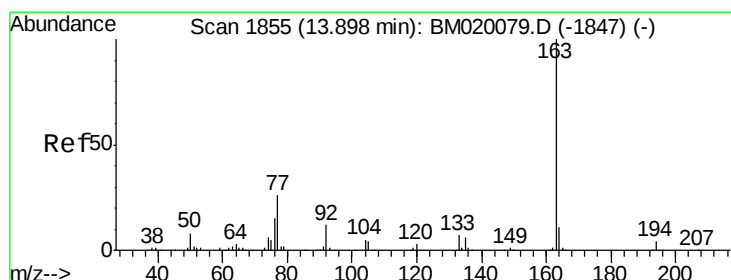
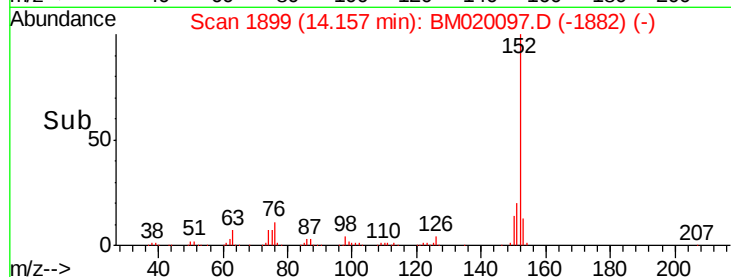
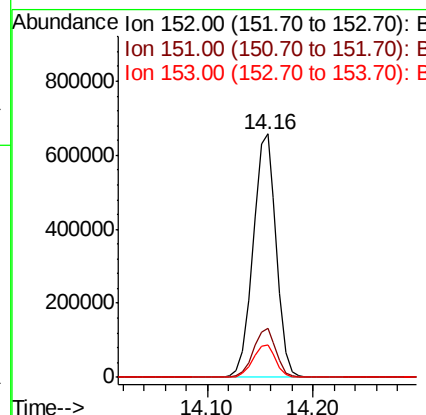
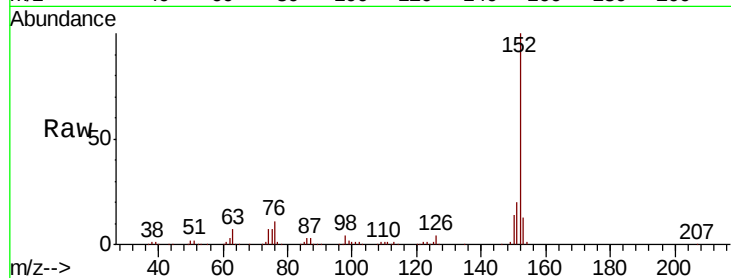
ClientSampleId :

IDOC SOIL-HP3

Tot Ion:	152	Resp:	998393
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.2	24.2
153	13.4	10.6	16.0

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#50

Dimethylphthalate

Concen: 37.647 ng

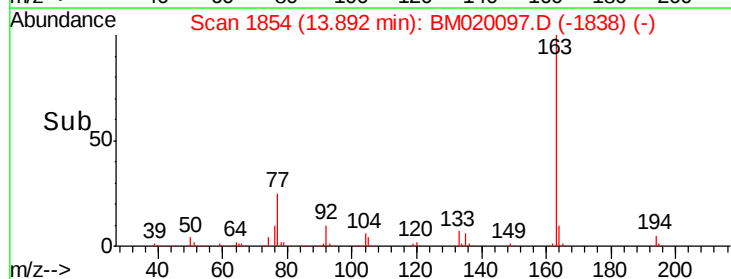
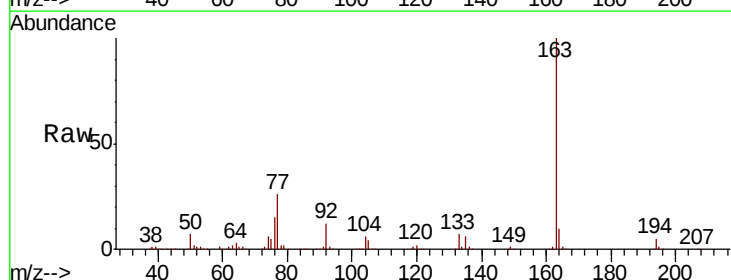
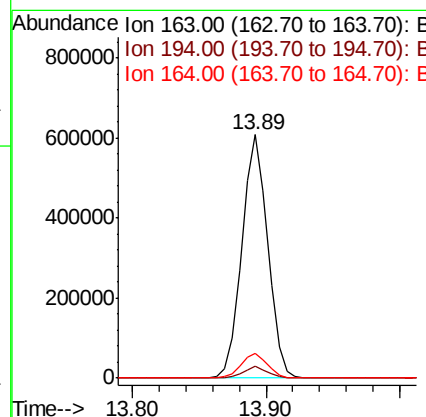
RT: 13.89 min Scan# 1854

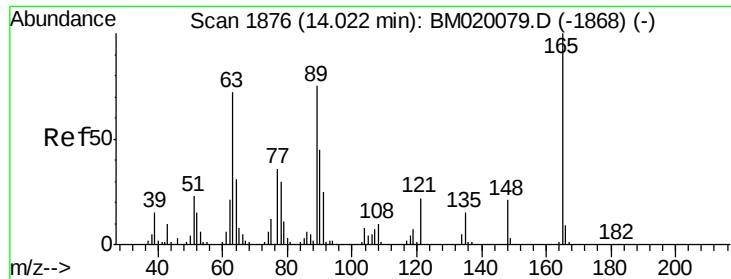
Delta R.T. -0.01 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Tgt Ion:	163	Resp:	813373
Ion Ratio	Lower	Upper	
163	100		
194	4.7	3.6	5.4
164	10.0	8.4	12.6





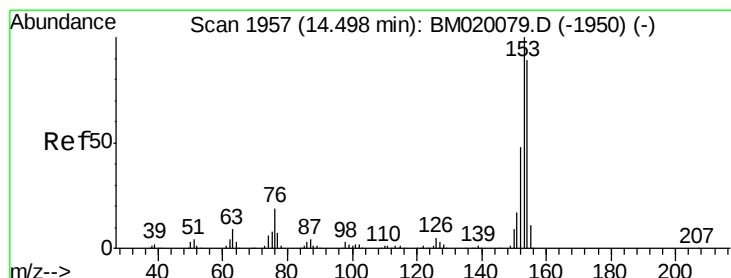
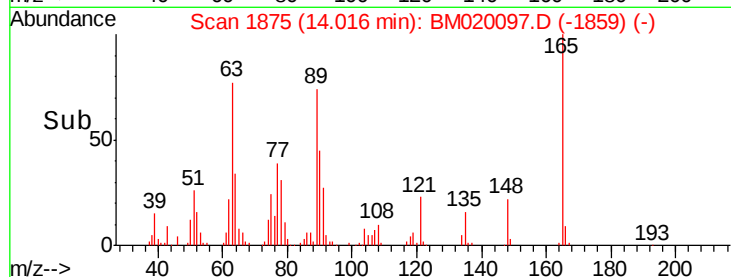
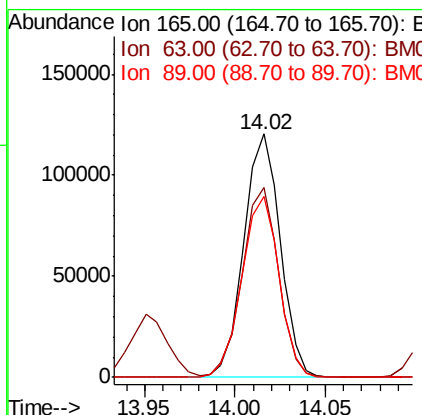
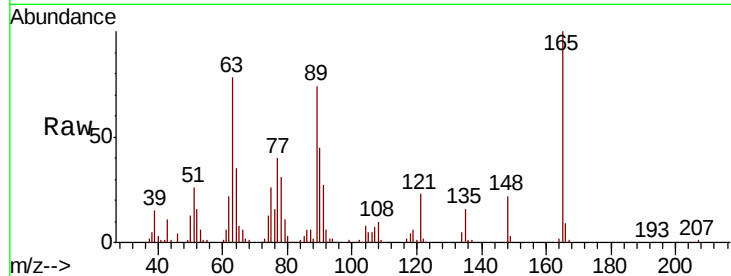
#51
 2,6-Dinitrotoluene
 Concen: 37.086 ng
 RT: 14.02 min Scan# 1875
 Delta R.T. -0.01 min
 Lab File: BM020097.D
 Acq: 01 May 2019 19:17

Instrument :
 BNA_M
 ClientSampleId :
 IDOCSOIL-HP3

Tot Ion	Ratio	Resp	Lower	Upper
165	100	168757		
63	77.7	60.3	90.5	
89	74.3	59.8	89.6	

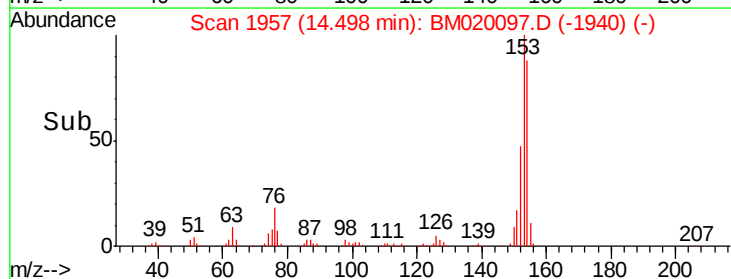
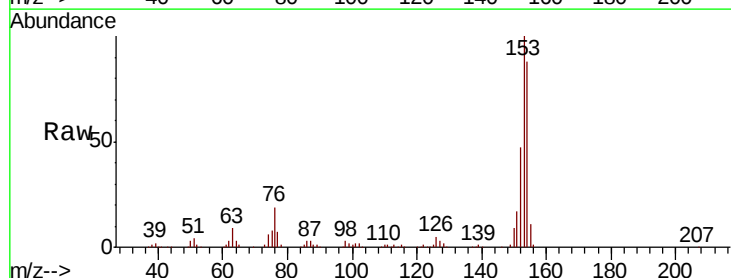
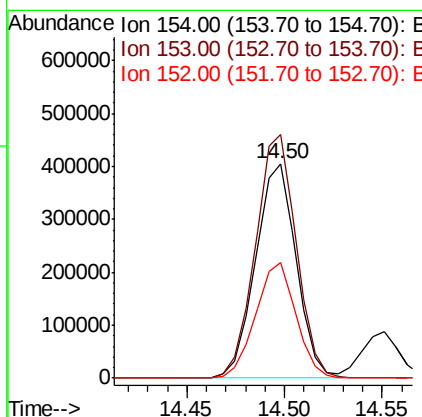
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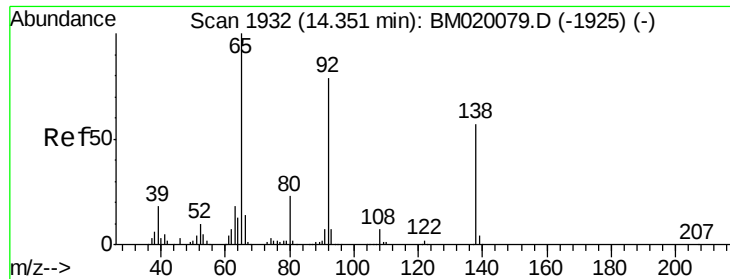
Sohil
 5/2/2019 4:55:29 PM



#52
 Acenaphthene
 Concen: 38.088 ng
 RT: 14.50 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: BM020097.D
 Acq: 01 May 2019 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	583952		
153	113.7	90.2	135.2	
152	53.9	43.0	64.4	





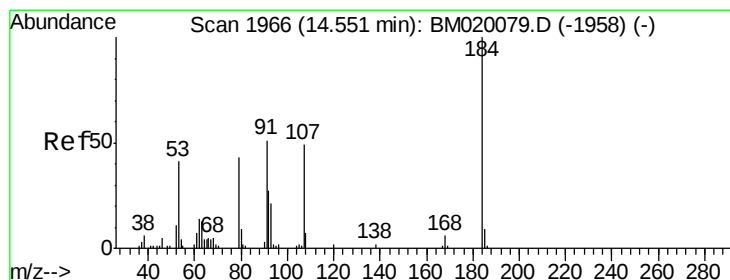
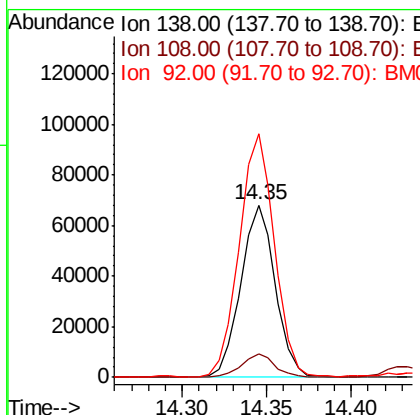
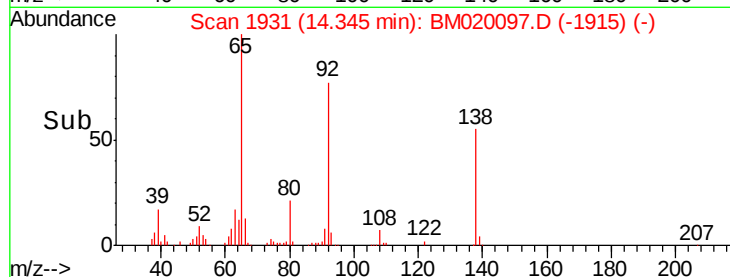
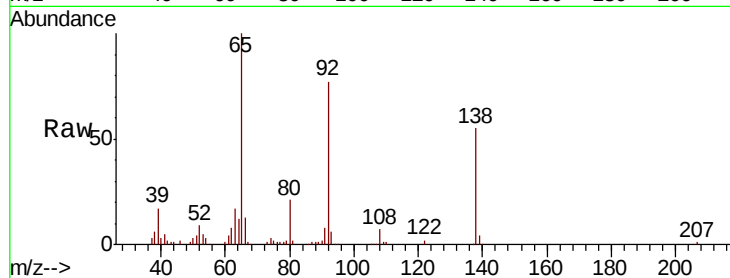
#53
3-Nitroaniline
Concen: 22.875 ng
RT: 14.35 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP3

Tot Ion	Ratio	Lower	Upper
138	100		
108	13.5	10.4	15.6
92	141.4	111.3	166.9

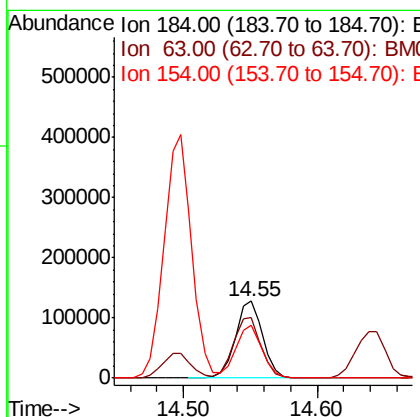
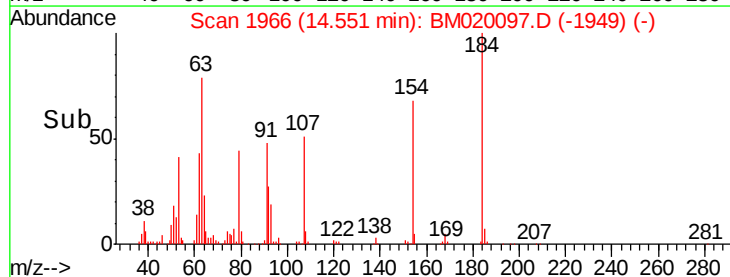
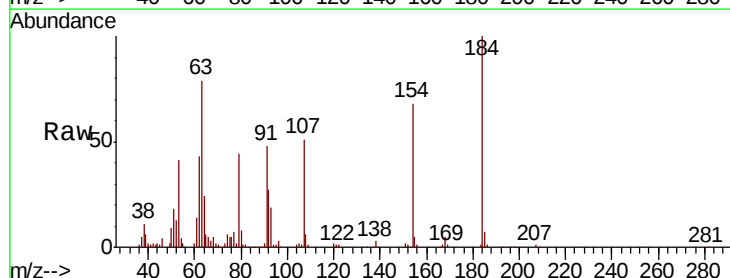
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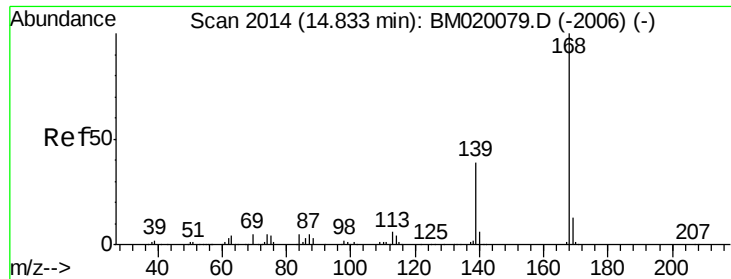
Sohil
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#54
2,4-Dinitrophenol
Concen: 79.485 ng
RT: 14.55 min Scan# 1966
Delta R.T. 0.00 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Tgt Ion	Ratio	Lower	Upper
184	100		
63	78.7	68.9	103.3
154	68.3	54.4	81.6





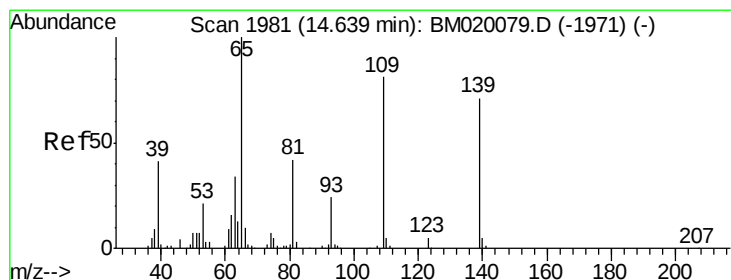
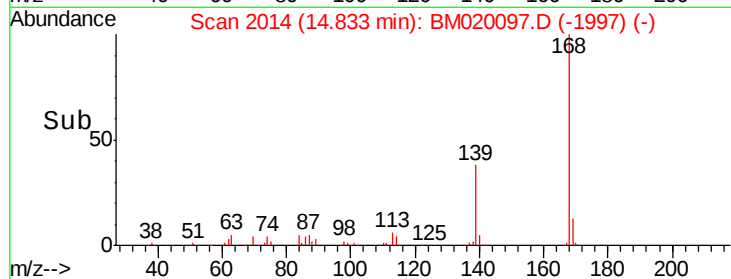
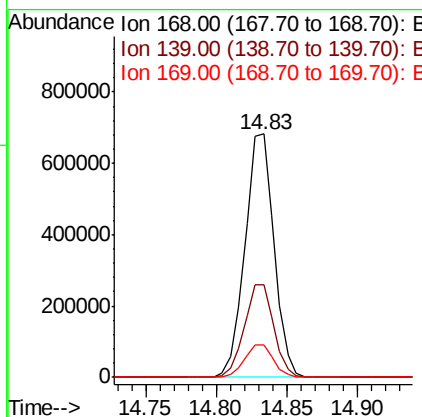
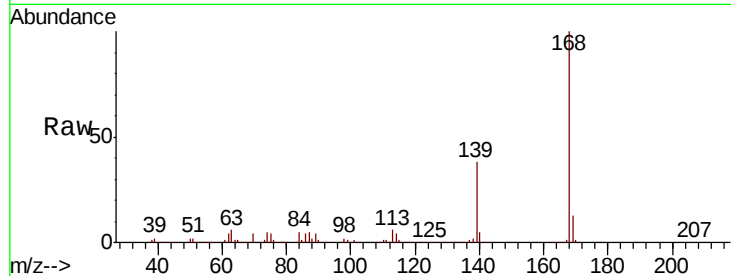
#55
Dibenzo(f,h)quinoxaline
Concen: 38.075 ng
RT: 14.83 min Scan# 2014
Delta R.T. -0.00 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP3

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.2	31.1	46.7
169	13.4	10.6	16.0

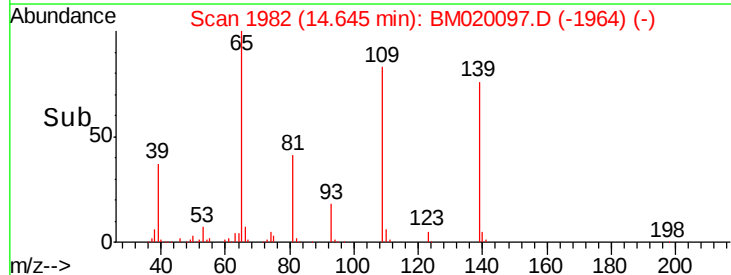
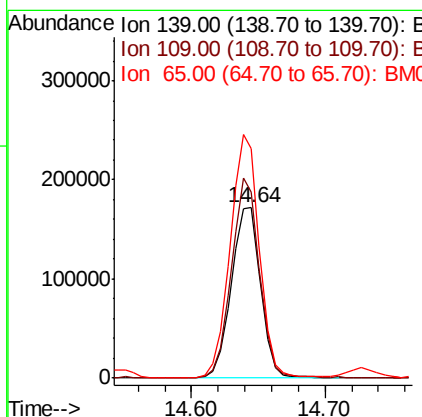
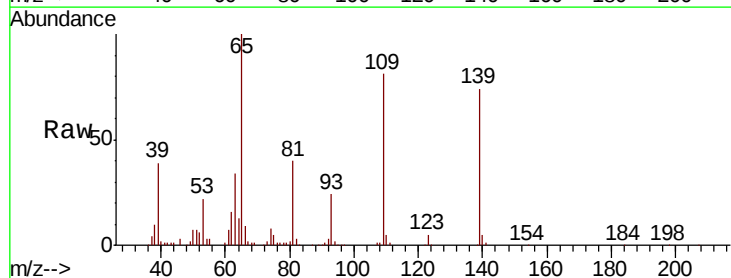
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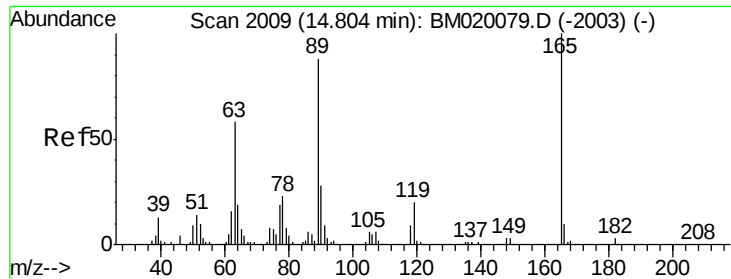
Sohil
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#56
4-Nitrophenol
Concen: 73.326 ng
RT: 14.64 min Scan# 1982
Delta R.T. 0.01 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Tgt Ion	Ratio	Lower	Upper
139	100		
109	109.3	94.1	134.1
65	135.0	120.9	160.9





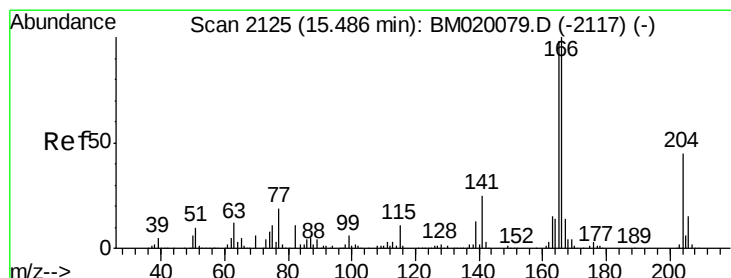
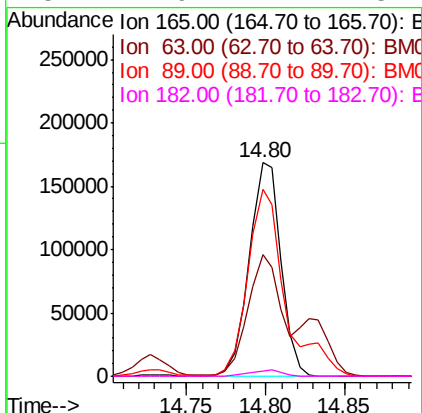
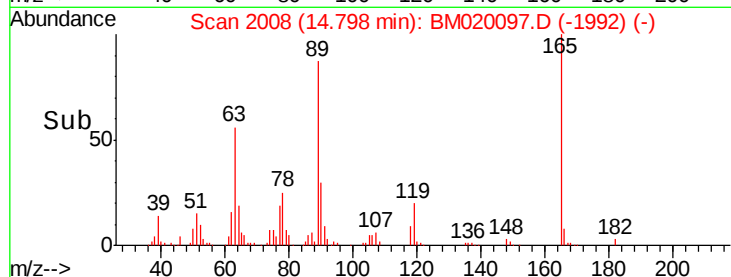
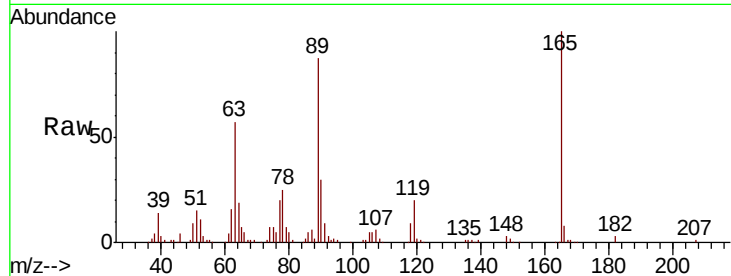
#57
2,4-Dinitrotoluene
Concen: 37.863 ng
RT: 14.80 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP3

Tot Ion:	165	Resp:	234116
Ion Ratio	Lower	Upper	
165	100		
63	57.2	46.2	69.2
89	87.5	70.6	105.8
182	2.6	2.2	3.2

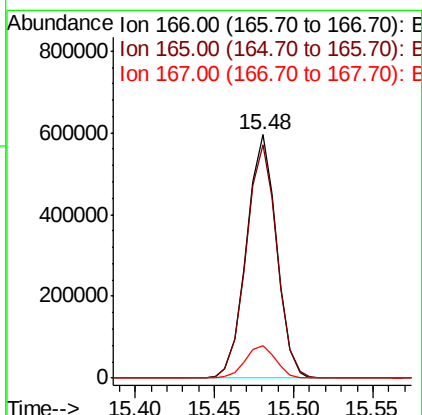
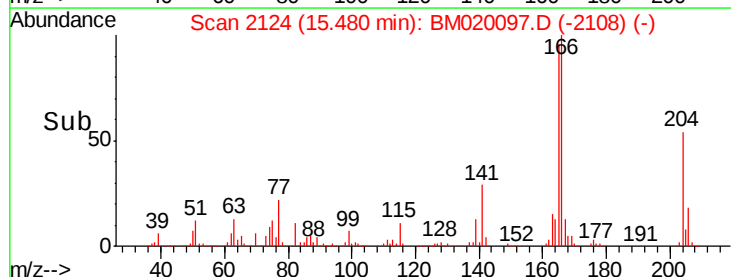
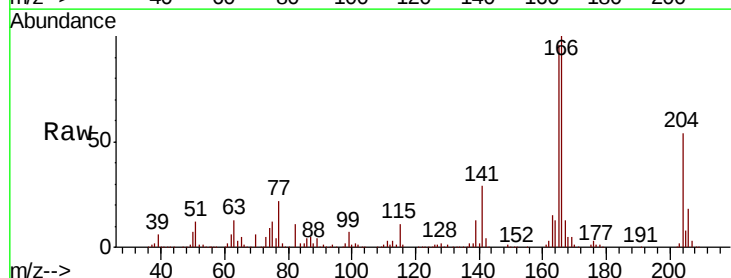
Manual Integrations
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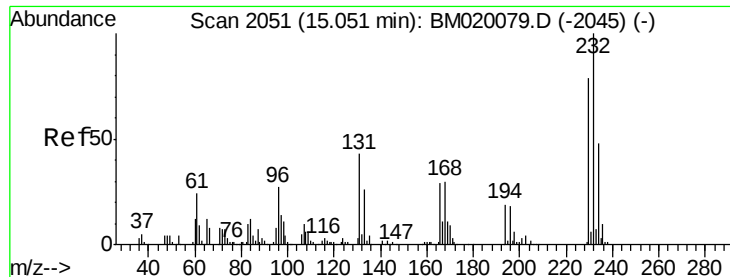
Sohil
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#58
Fluorene
Concen: 36.947 ng
RT: 15.48 min Scan# 2124
Delta R.T. -0.01 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Tgt Ion:	166	Resp:	784708
Ion Ratio	Lower	Upper	
166	100		
165	96.1	78.2	117.2
167	13.3	11.0	16.4





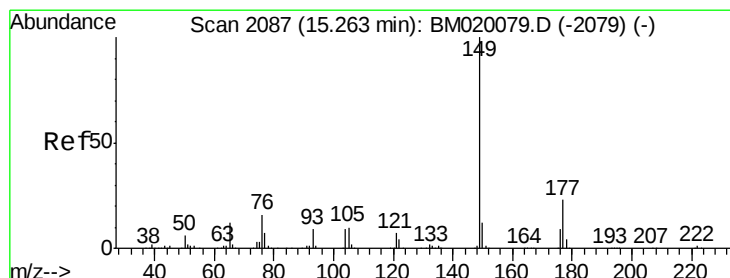
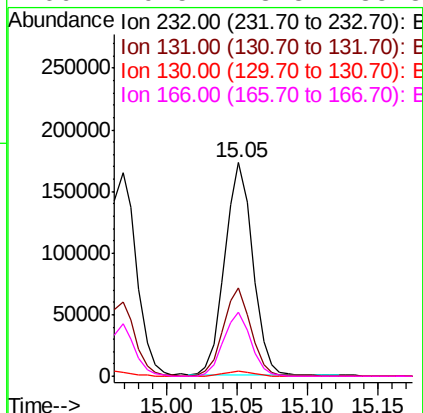
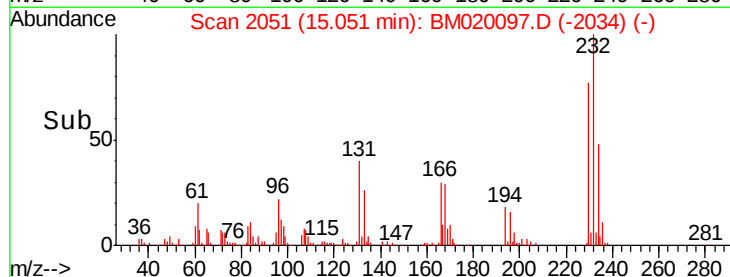
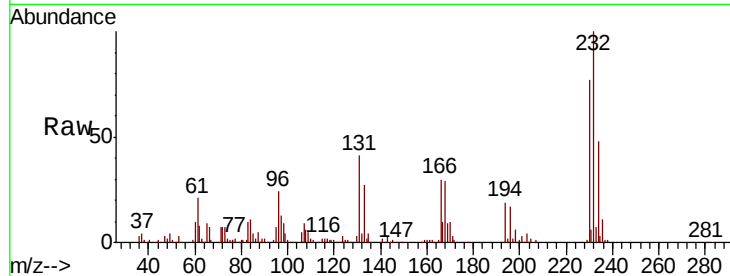
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.827 ng
RT: 15.05 min Scan# 2051
Delta R.T. -0.00 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP3

Tot Ion	Ratio	Resp	Lower	Upper
232	100	238978		
131	41.6		34.2	51.4
130	2.5		2.0	3.0
166	29.5		23.8	35.8

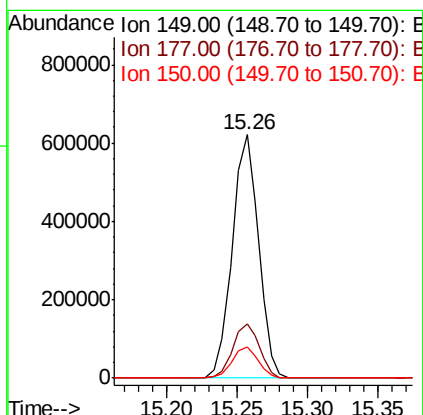
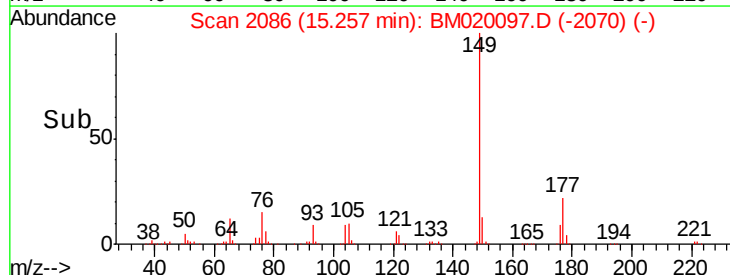
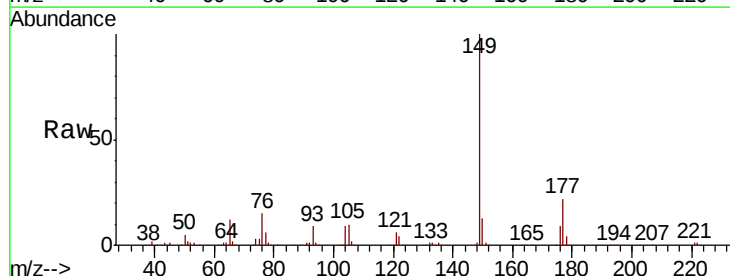
Manual Integrations
APPROVED

Sohil
5/2/2019 4:55:29 PM



#60
Diethylphthalate
Concen: 36.993 ng
RT: 15.26 min Scan# 2086
Delta R.T. -0.01 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	805223		
177	22.5		18.2	27.4
150	12.8		9.9	14.9





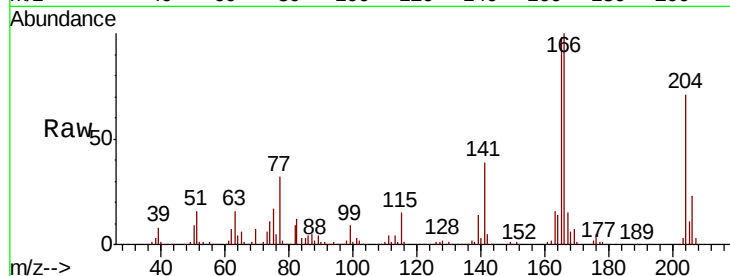
#61
4-Chlorophenyl-phenylether
Concen: 38.284 ng
RT: 15.47 min Scan# 2123
Delta R.T. -0.01 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP3

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.0	25.6	38.4
141	55.0	46.1	69.1

Manual Integrations
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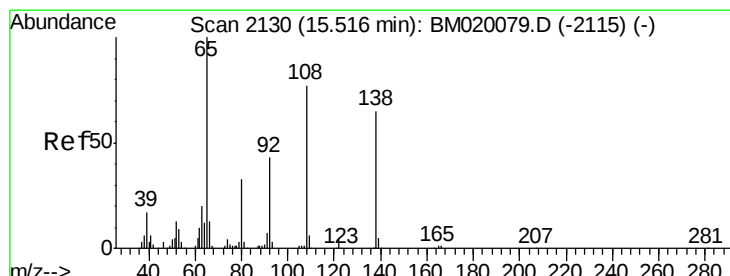
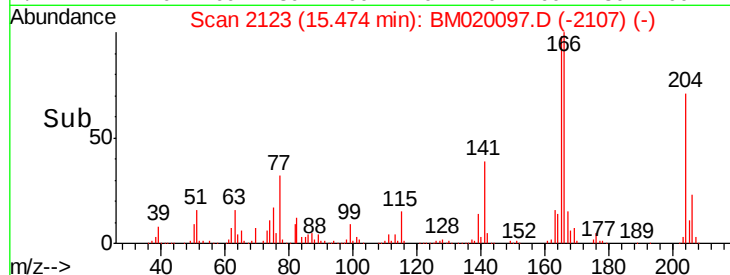
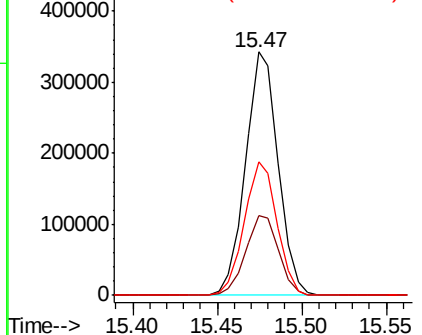


Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 33.024 ng
RT: 15.51 min Scan# 2129
Delta R.T. -0.01 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

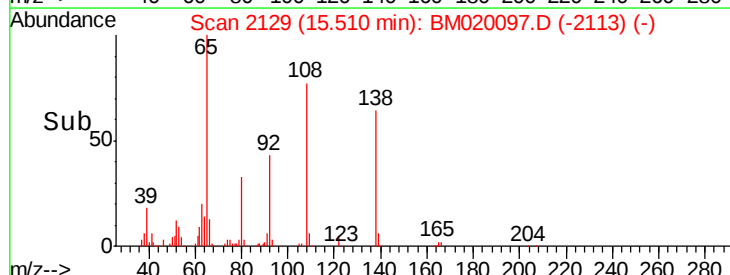
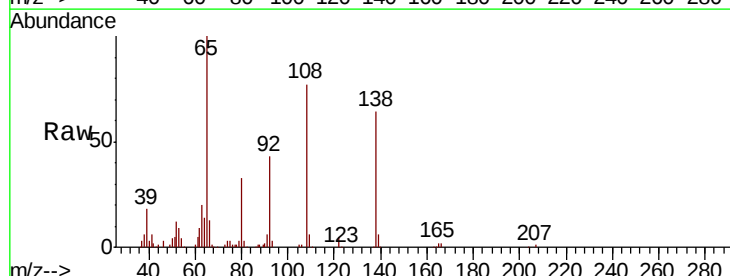
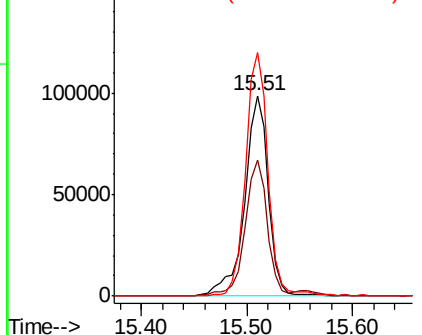
Tgt Ion	Ratio	Lower	Upper
138	100		
92	67.8	45.9	85.9
108	121.5	97.7	137.7

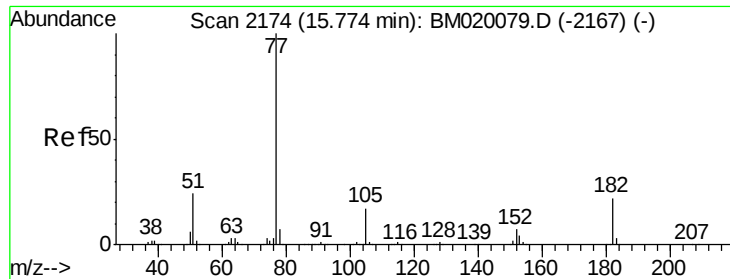
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM

Ion 108.00 (107.70 to 108.70): E





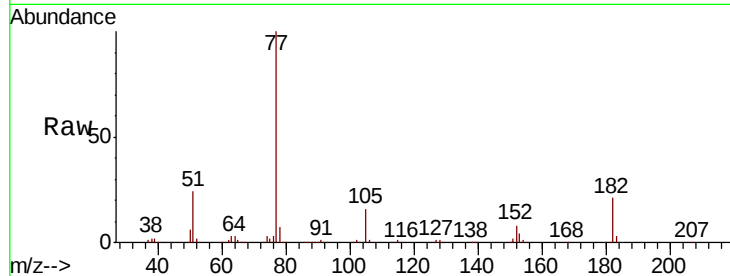
#63
Azobenzene
Concen: 36.380 ng
RT: 15.77 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	21.3	2.1	42.1		
105	16.4	0.0	36.8		
51	23.8	3.8	43.8		

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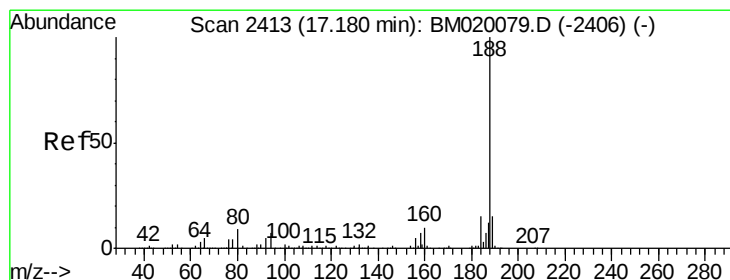
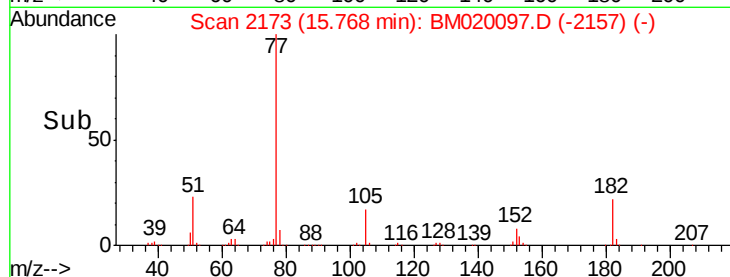
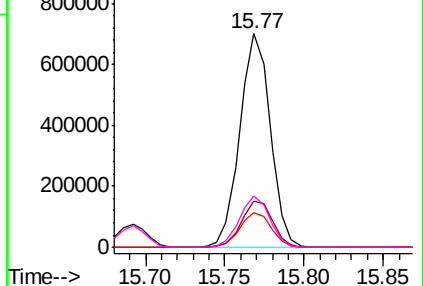


Abundance Ion 77.00 (76.70 to 77.70): BM020097.D (-2157) (-)

Ion 182.00 (181.70 to 182.70): BM020097.D (-2157) (-)

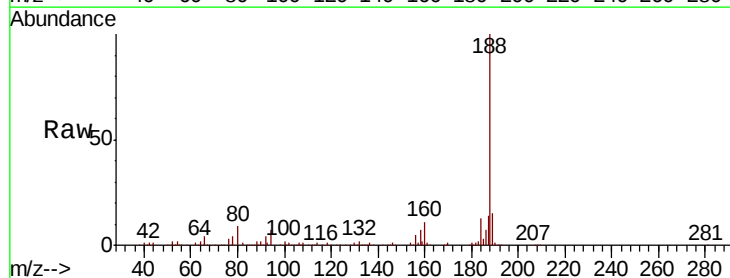
Ion 105.00 (104.70 to 105.70): BM020097.D (-2157) (-)

Ion 51.00 (50.70 to 51.70): BM020097.D (-2157) (-)



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.18 min Scan# 2413
Delta R.T. -0.00 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

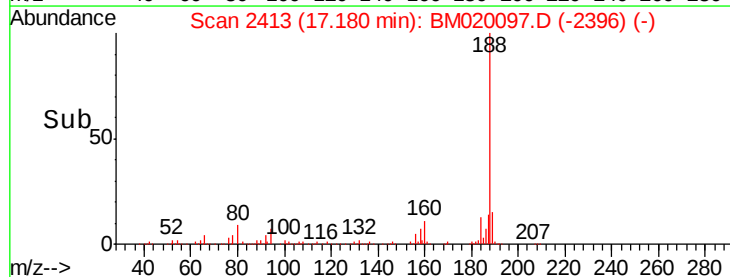
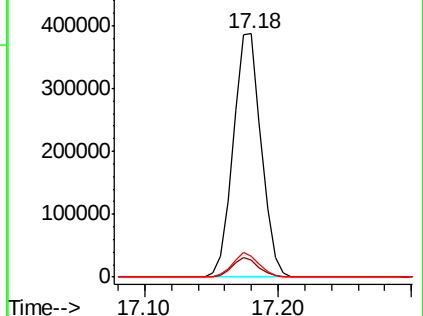
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	7.1	5.8	8.6		
80	8.8	7.4	11.2		

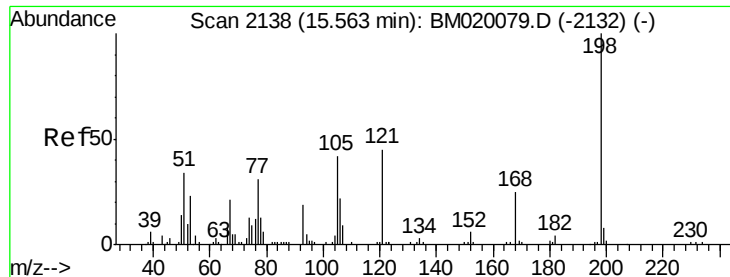


Abundance Ion 188.00 (187.70 to 188.70): BM020097.D (-2396) (-)

Ion 94.00 (93.70 to 94.70): BM020097.D (-2396) (-)

Ion 80.00 (79.70 to 80.70): BM020097.D (-2396) (-)





#65

4,6-Dinitro-2-methylphenol

Concen: 39.767 ng

RT: 15.56 min Scan# 2137

Delta R.T. -0.01 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Instrument :

BNA_M

ClientSampleId :

IDOC SOIL-HP3

Tot Ion:198 Resp: 108929

Ion Ratio Lower Upper

198 100

51 34.8 16.5 56.5

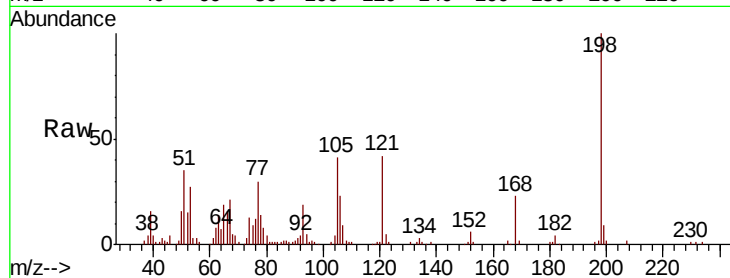
105 41.2 22.8 62.8

Manual Integrations

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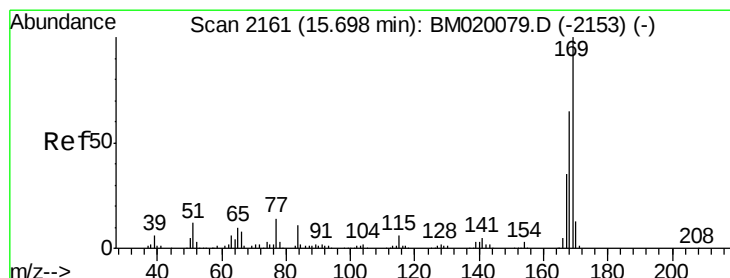
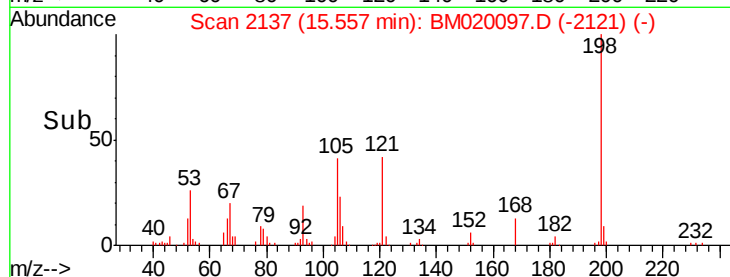
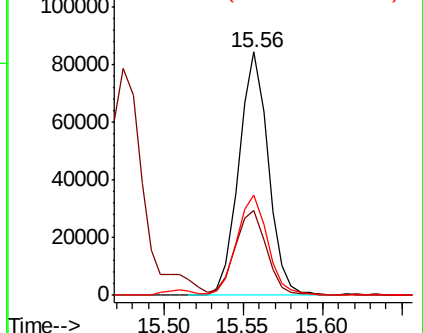
5/2/2019 4:55:29 PM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM020097.D (-2132) (-)

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 40.950 ng

RT: 15.69 min Scan# 2160

Delta R.T. -0.01 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

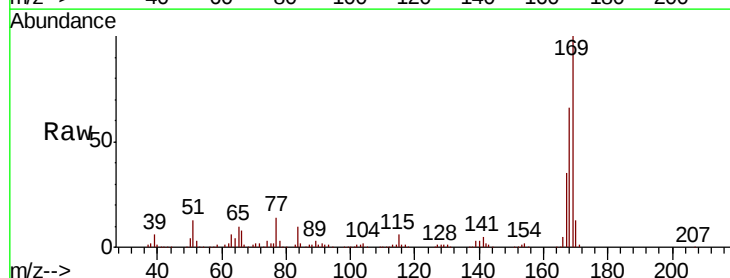
Tgt Ion:169 Resp: 678806

Ion Ratio Lower Upper

169 100

168 66.3 51.9 77.9

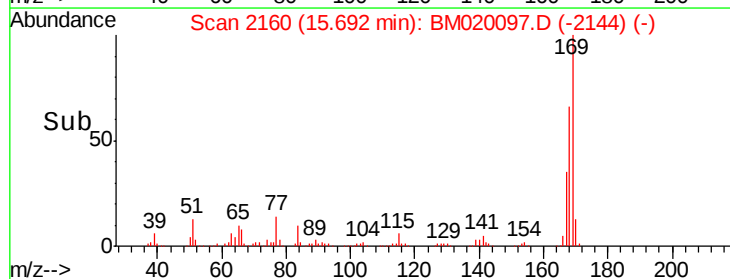
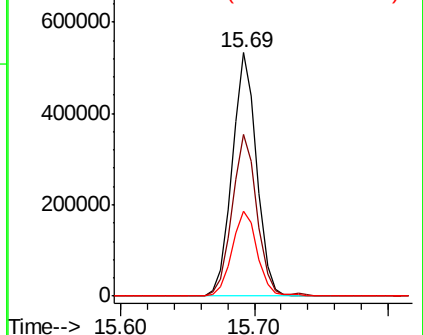
167 34.7 27.8 41.6



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





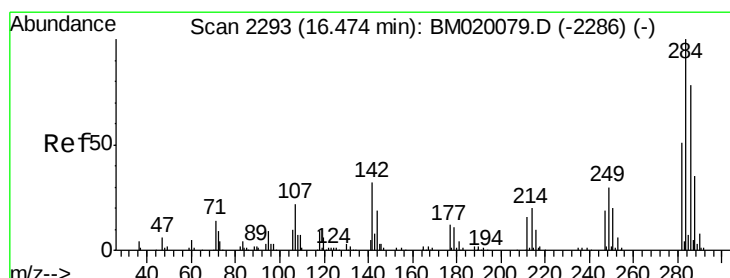
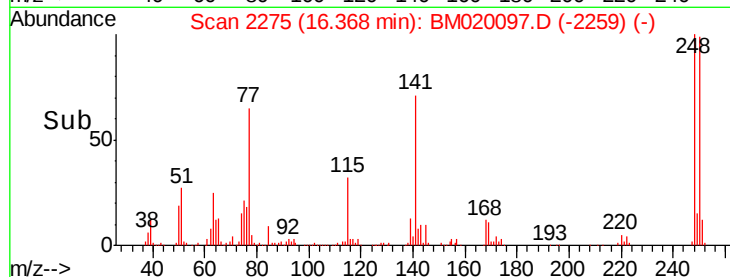
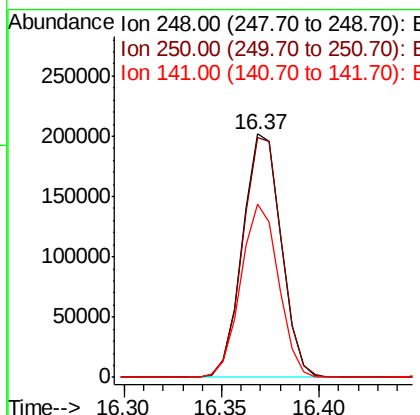
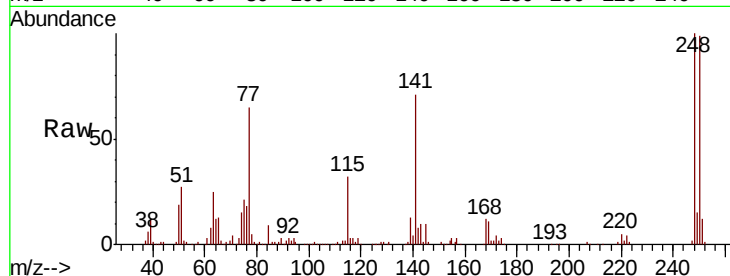
#67
 4-Bromophenyl-phenylether
 Concen: 39.969 ng
 RT: 16.37 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BM020097.D
 Acq: 01 May 2019 19:17

Instrument :
 BNA_M
 ClientSampled :
 IDOC SOIL-HP3

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

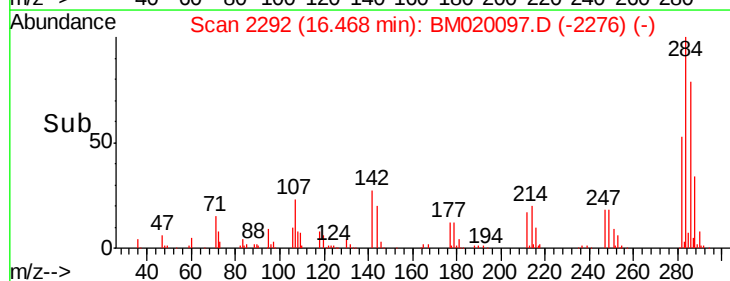
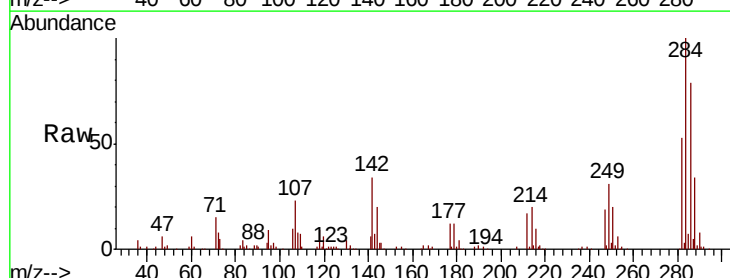
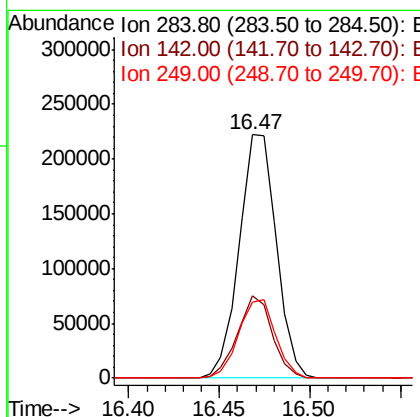
Manual Integrations
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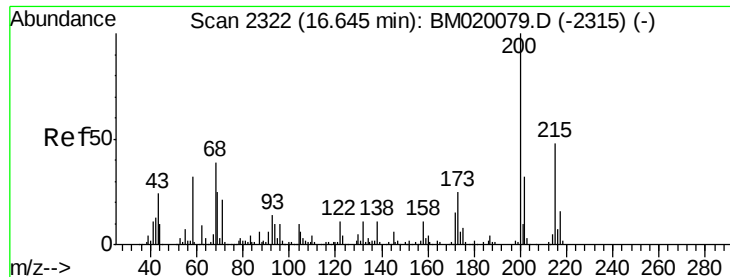
Sohil
 5/2/2019 4:55:29 PM



#68
 Hexachlorobenzene
 Concen: 39.782 ng
 RT: 16.47 min Scan# 2292
 Delta R.T. -0.01 min
 Lab File: BM020097.D
 Acq: 01 May 2019 19:17

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.0	25.2	37.8
249	31.3	23.6	35.4





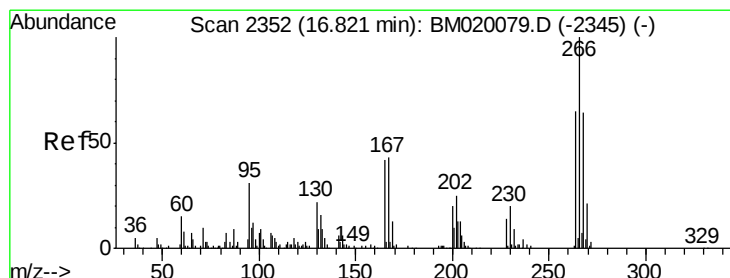
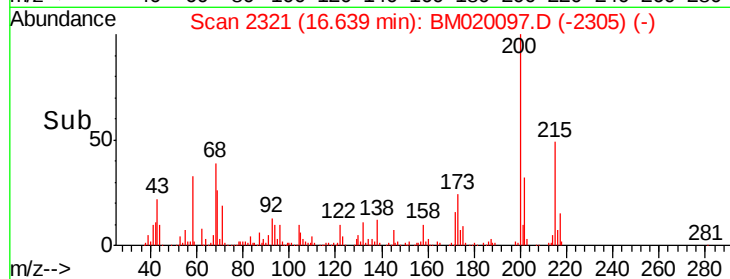
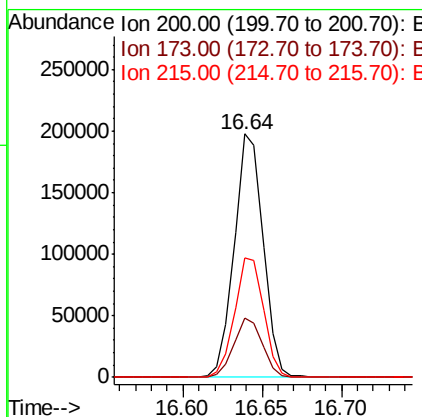
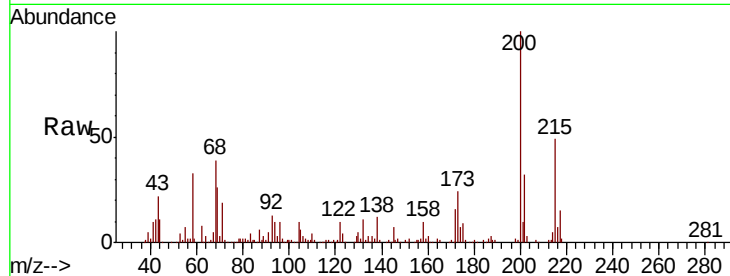
#69
Atrazine
Concen: 38.497 ng
RT: 16.64 min Scan# 2321
Delta R.T. -0.01 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP3

Tot Ion	Ratio	Lower	Upper
200	100		
173	24.3	4.6	44.6
215	49.1	28.0	68.0

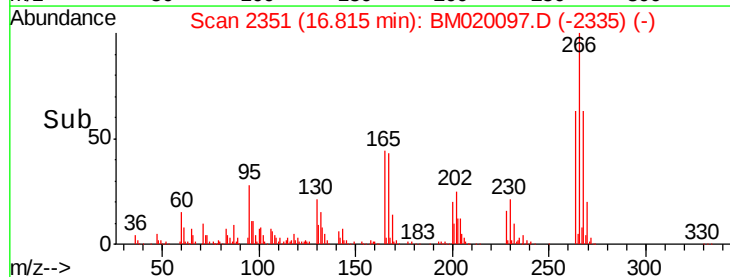
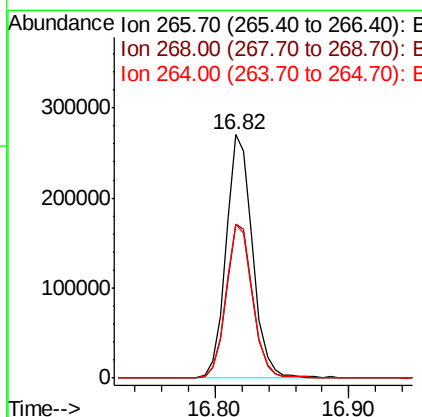
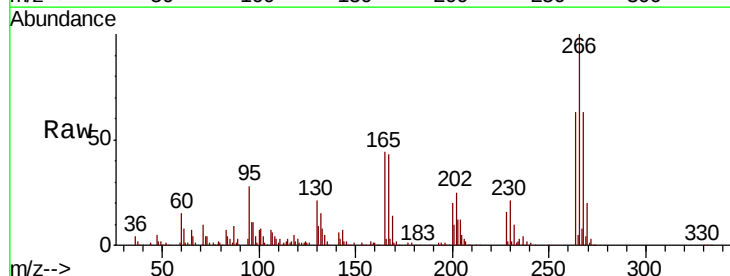
Manual Integrations
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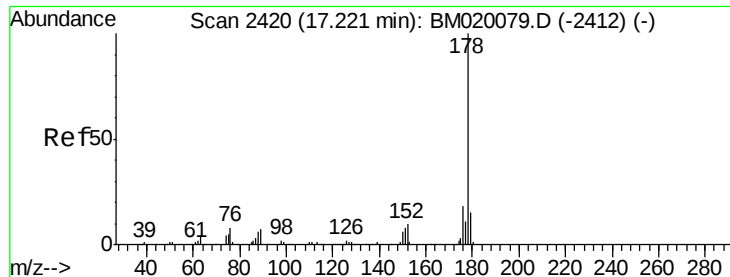
Sohil
5/2/2019 4:55:29 PM



#70
Pentachlorophenol
Concen: 82.488 ng
RT: 16.82 min Scan# 2351
Delta R.T. -0.01 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.4	51.4	77.0
264	63.2	52.0	78.0





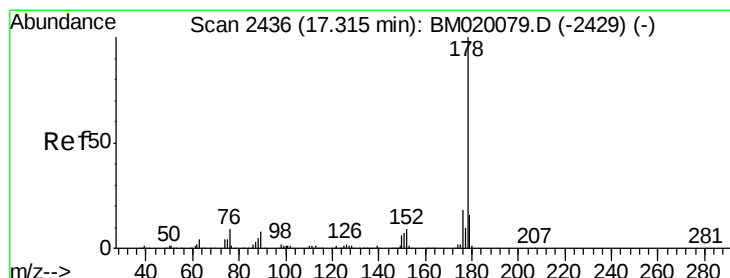
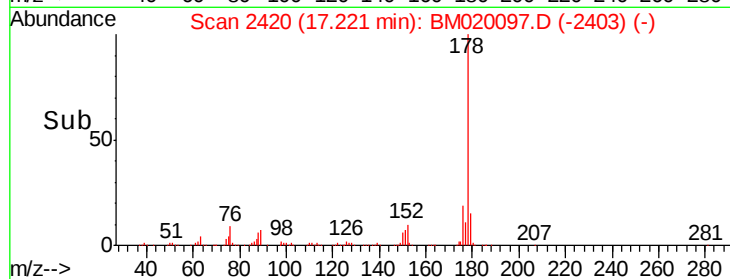
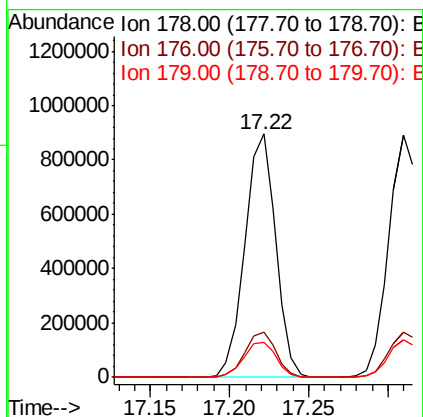
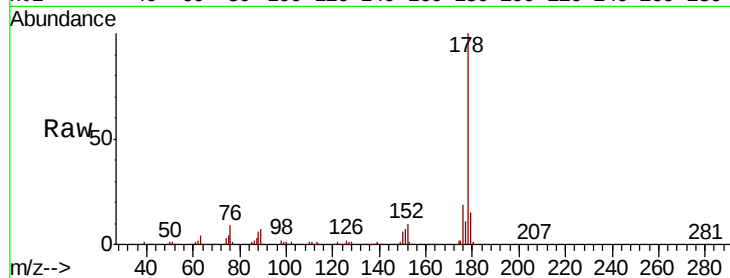
#71
Phenanthrene
Concen: 38.953 ng
RT: 17.22 min Scan# 2420
Delta R.T. -0.00 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP3

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	21.8
179	14.6	12.4	18.6

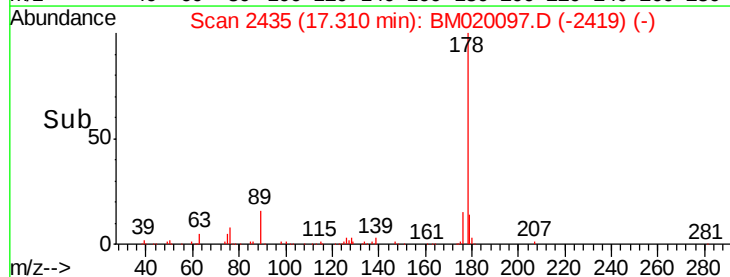
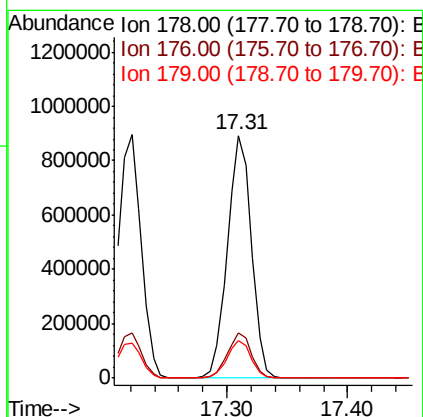
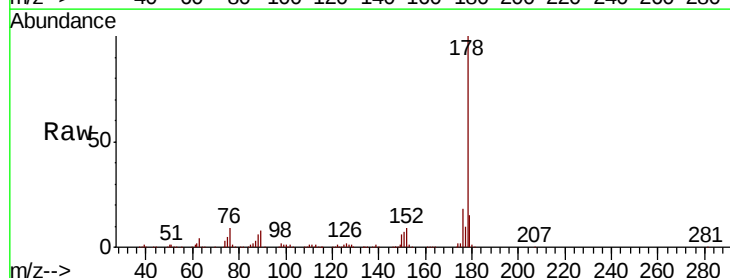
Manual Integrations
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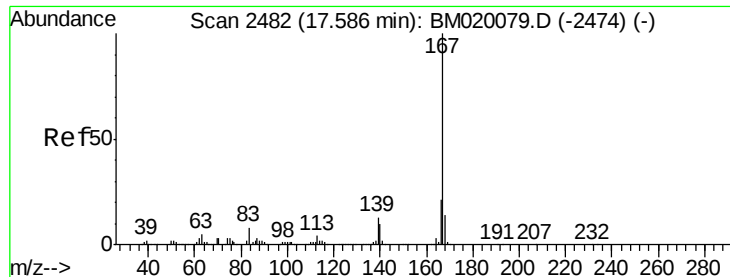
Sohil
5/2/2019 4:55:29 PM



#72
Anthracene
Concen: 39.638 ng
RT: 17.31 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	22.0
179	15.3	12.4	18.6





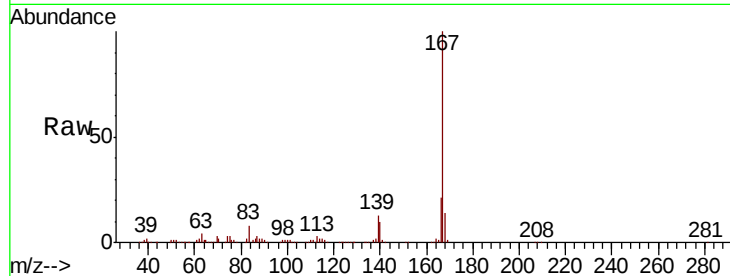
#73
 Carbazole
 Concen: 36.940 ng
 RT: 17.59 min Scan# 2482
 Delta R.T. -0.00 min
 Lab File: BM020097.D
 Acq: 01 May 2019 19:17

Instrument :
 BNA_M
 ClientSampleId :
 IDOC SOIL-HP3

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	12.6	10.6	16.0

Manual Integrations
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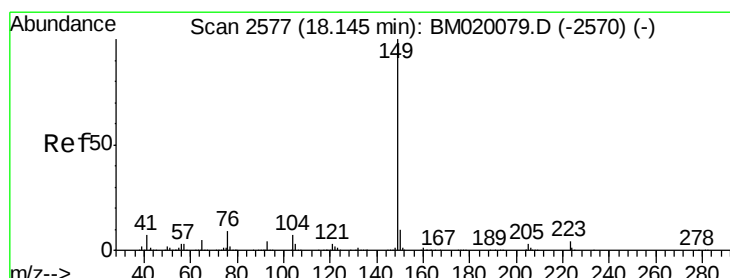
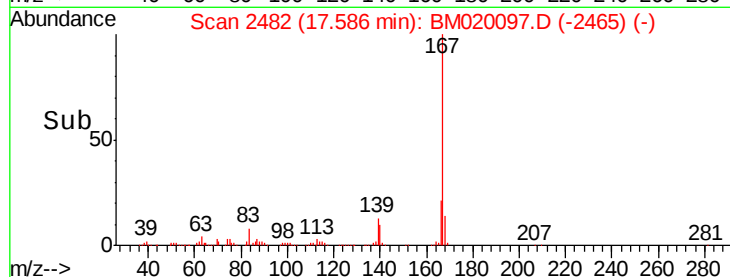
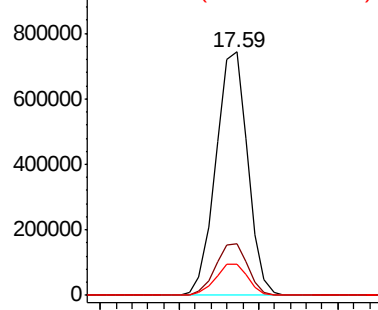


Abundance

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: 37.100 ng
 RT: 18.14 min Scan# 2576
 Delta R.T. -0.01 min
 Lab File: BM020097.D
 Acq: 01 May 2019 19:17

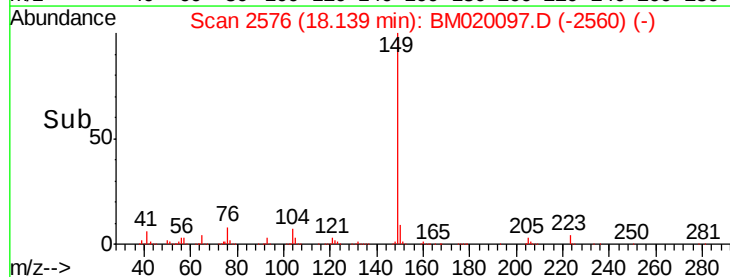
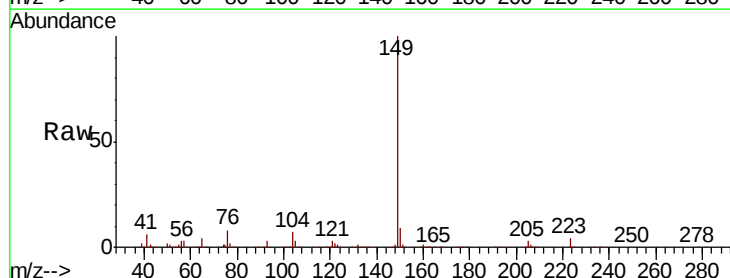
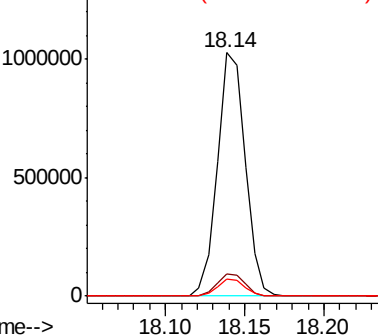
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.8	11.6
104	7.0	5.7	8.5

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: 36.011 ng

RT: 19.23 min Scan# 2762

Delta R.T. -0.01 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Instrument :

BNA_M

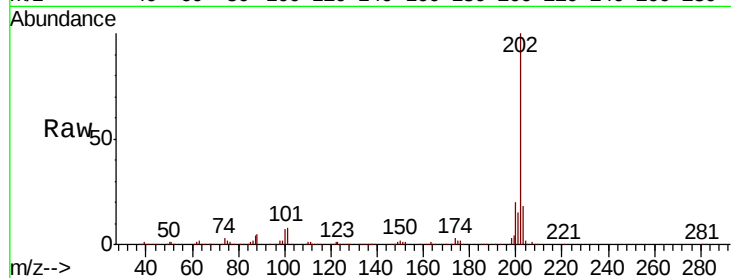
ClientSampled :

IDOC SOIL-HP3

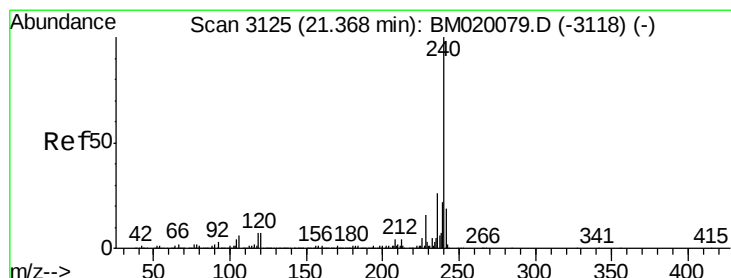
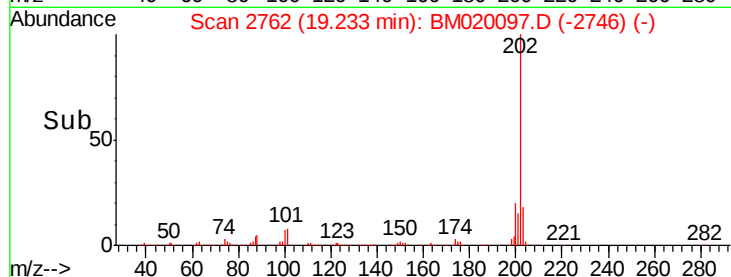
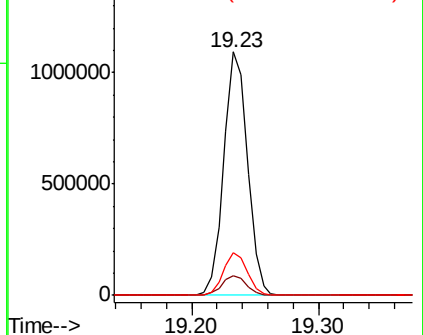
Tot Ion:	202	Resp:	1416858
Ion Ratio	Lower	Upper	
202	100		
101	8.3	0.0	28.4
203	17.7	0.0	37.4

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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

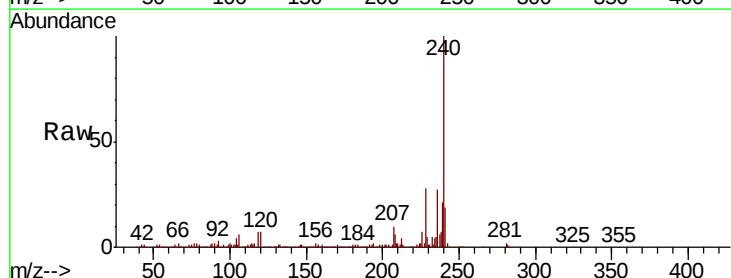
RT: 21.36 min Scan# 3124

Delta R.T. -0.01 min

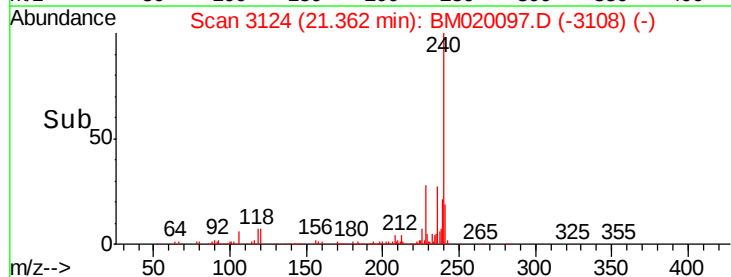
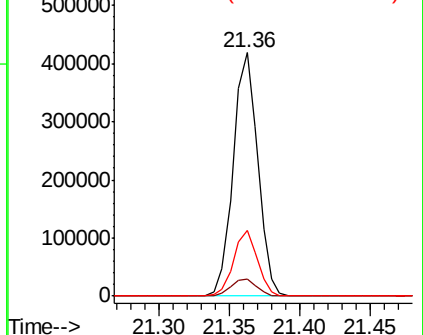
Lab File: BM020097.D

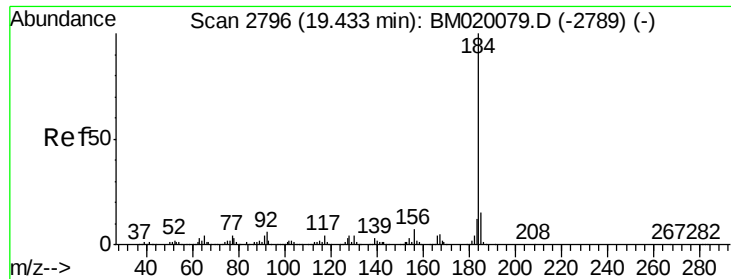
Acq: 01 May 2019 19:17

Tgt Ion:	240	Resp:	508177
Ion Ratio	Lower	Upper	
240	100		
120	7.0	5.6	8.4
236	26.7	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: 41.058 ng

RT: 19.43 min Scan# 2795

Delta R.T. -0.01 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Instrument :

BNA_M

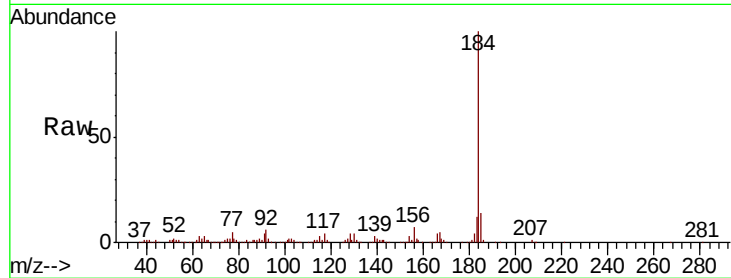
ClientSampleId :

IDOC SOIL-HP3

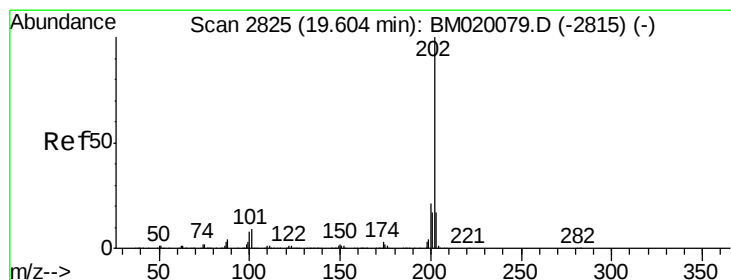
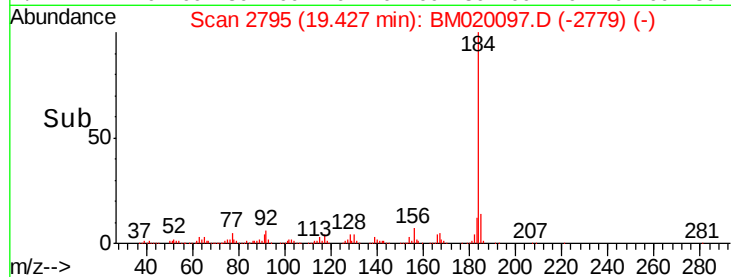
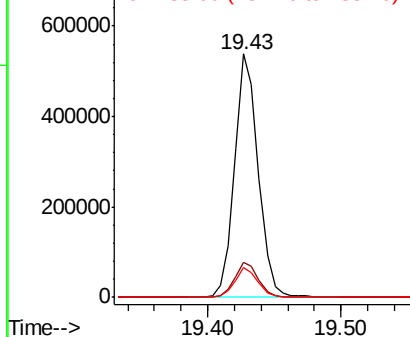
Tot Ion:	184	Resp:	667066
Ion Ratio	Lower	Upper	
184	100		
185	14.4	12.0	18.0
183	12.3	9.5	14.3

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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: 42.241 ng

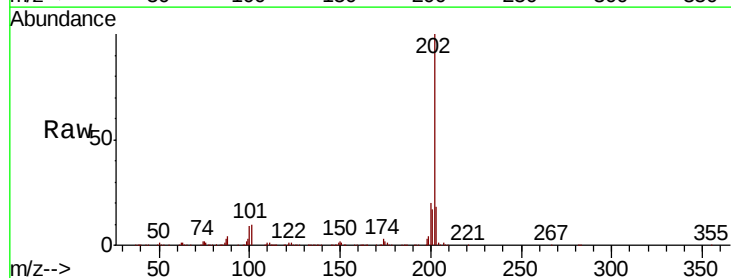
RT: 19.60 min Scan# 2824

Delta R.T. -0.01 min

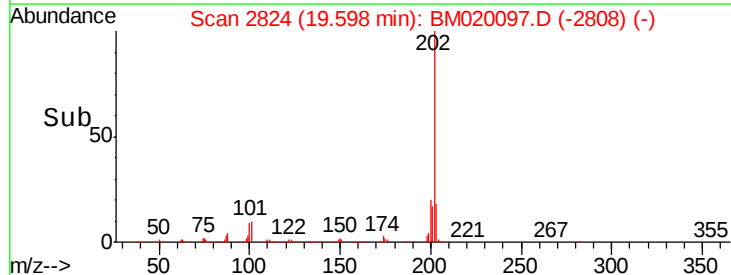
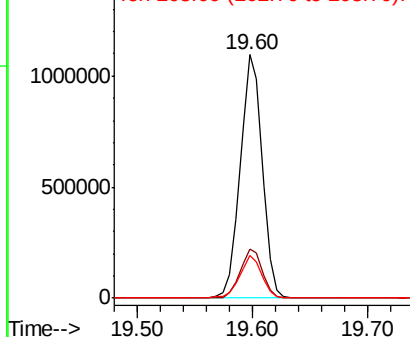
Lab File: BM020097.D

Acq: 01 May 2019 19:17

Tgt Ion:	202	Resp:	1441188
Ion Ratio	Lower	Upper	
202	100		
200	20.1	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





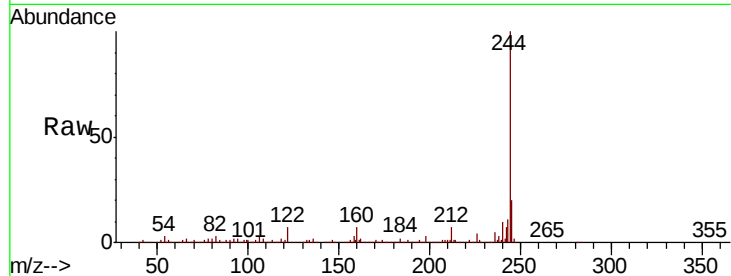
#79
 Terphenyl-d14
 Concen: 82.772 ng
 RT: 19.80 min Scan# 2859
 Delta R.T. -0.01 min
 Lab File: BM020097.D
 Acq: 01 May 2019 19:17

Instrument :
 BNA_M
 ClientSampleId :
 IDOCSOIL-HP3

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.7	8.5
122	7.2	6.2	9.2

Manual Integrations
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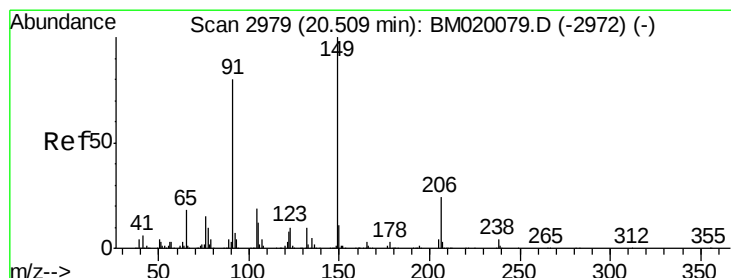
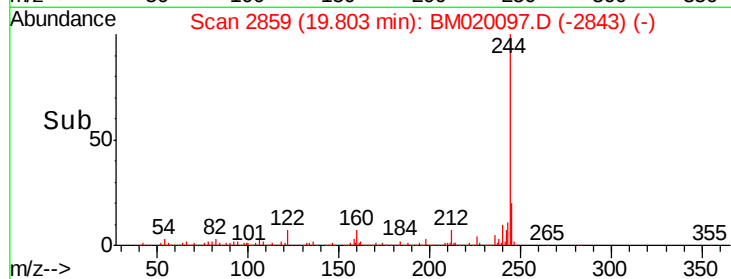
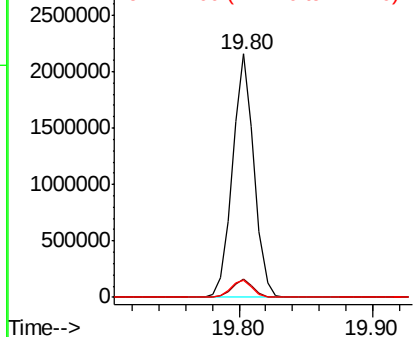


Abundance

Ion 244.00 (243.70 to 244.70): E

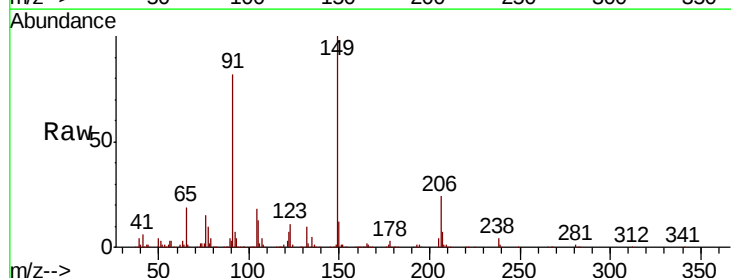
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80
 Butylbenzylphthalate
 Concen: 40.689 ng
 RT: 20.50 min Scan# 2978
 Delta R.T. -0.01 min
 Lab File: BM020097.D
 Acq: 01 May 2019 19:17

Tgt Ion	Ratio	Lower	Upper
149	100		
91	82.1	63.8	95.8
206	24.2	18.9	28.3

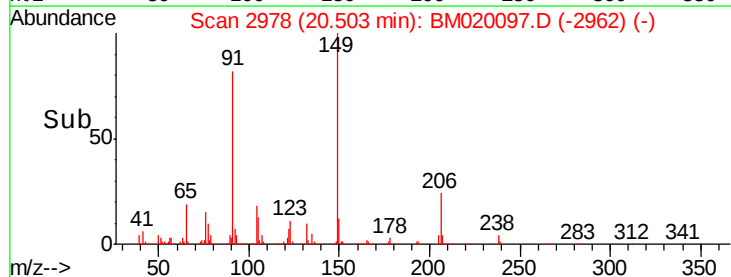
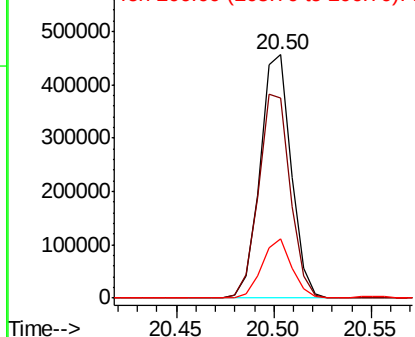


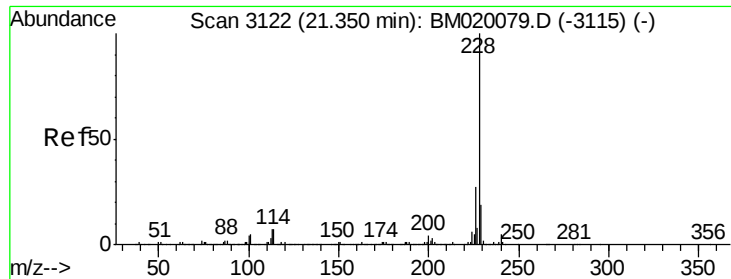
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 37.438 ng

RT: 21.34 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Instrument :

BNA_M

ClientSampleId :

IDOC SOIL-HP3

Tot Ion: 228 Resp: 1334231

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.3	31.9
229	20.0	15.5	23.3

228 100

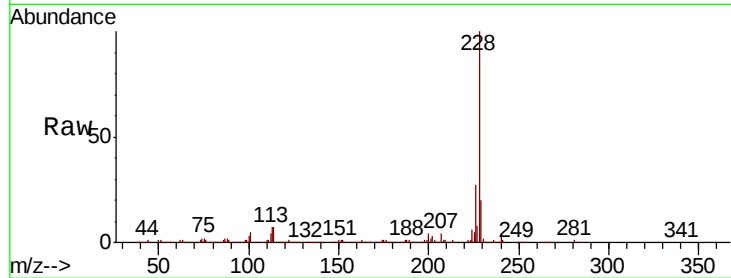
226 26.7 21.3 31.9

229 20.0 15.5 23.3

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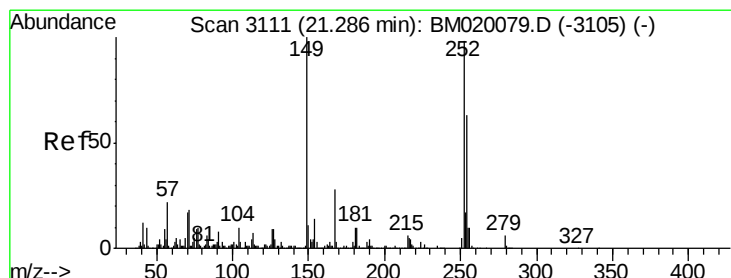
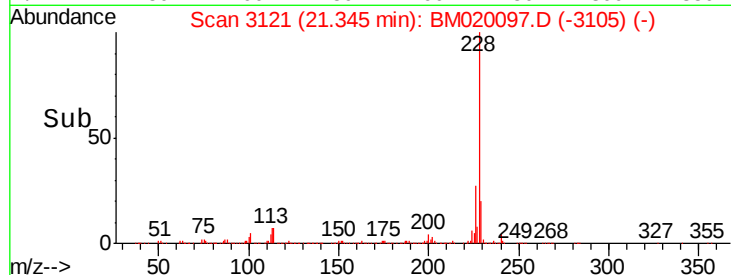
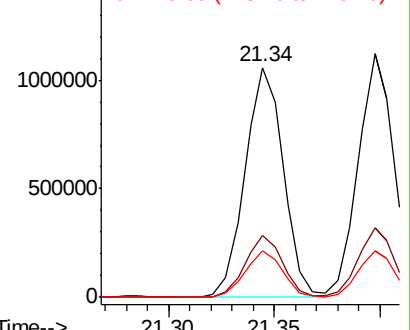


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 29.720 ng

RT: 21.29 min Scan# 3111

Delta R.T. -0.00 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

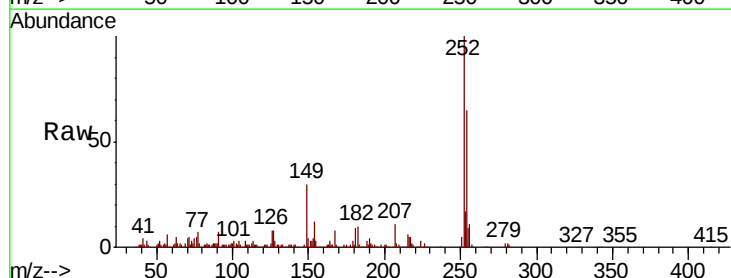
Tgt Ion: 252 Resp: 404253

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.1	76.7
126	7.9	7.1	10.7

252 100

254 65.0 51.1 76.7

126 7.9 7.1 10.7

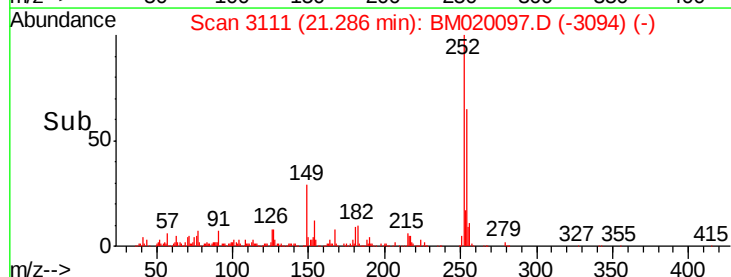
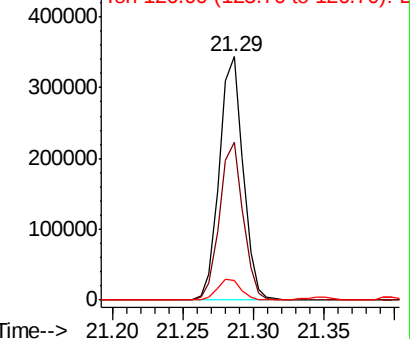


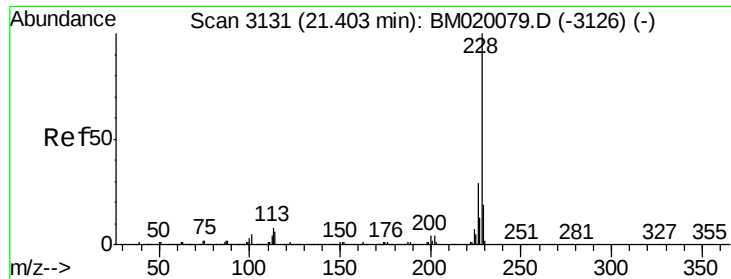
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





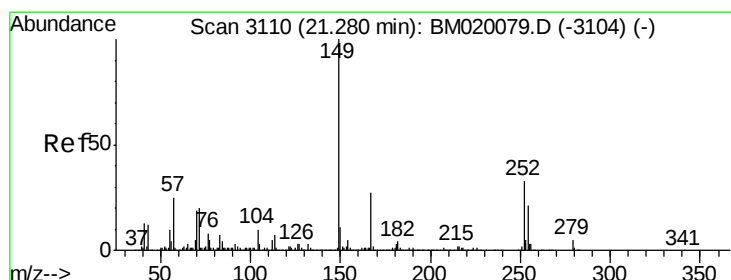
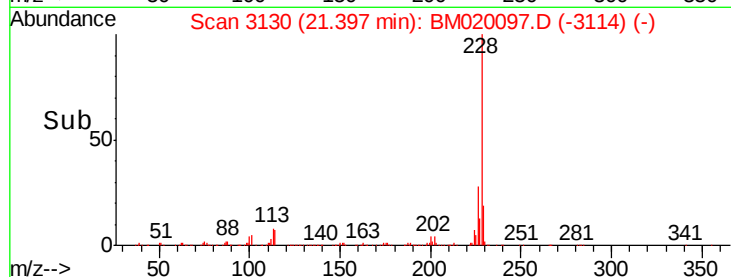
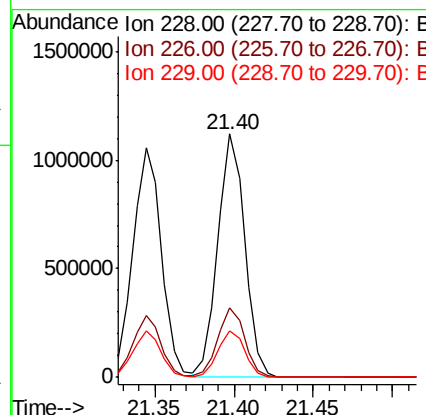
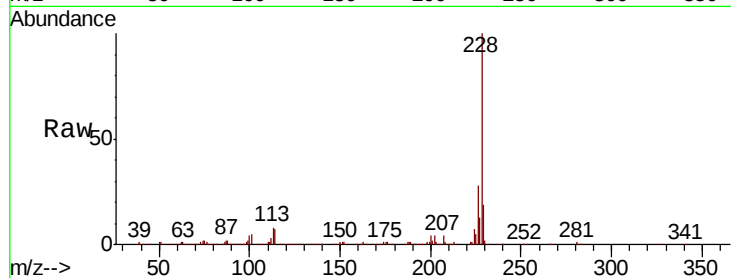
#83
Chrysene
Concen: 38.402 ng
RT: 21.40 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP3

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.0	34.6
229	19.3	15.5	23.3

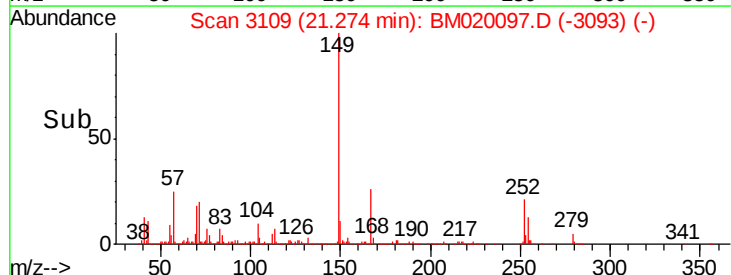
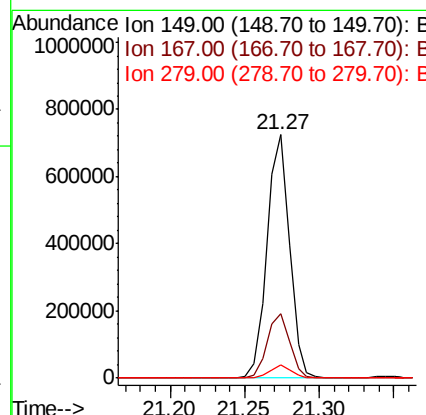
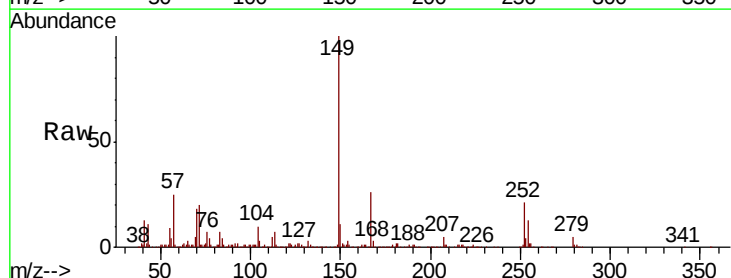
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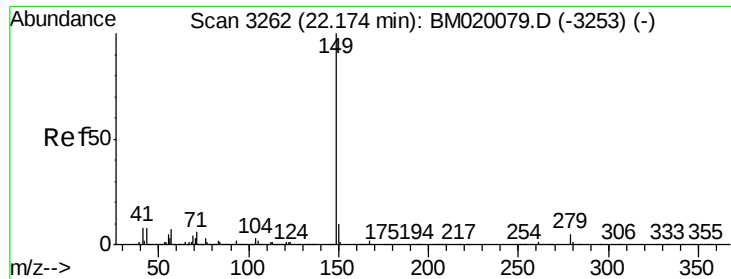
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#84
Bis(2-ethylhexyl)phthalate
Concen: 38.940 ng
RT: 21.27 min Scan# 3109
Delta R.T. -0.01 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.2	21.8	32.8
279	5.4	4.2	6.2





#85

Di-n-octyl phthalate

Concen: 38.376 ng

RT: 22.16 min Scan# 3260

Delta R.T. -0.01 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Instrument :

BNA_M

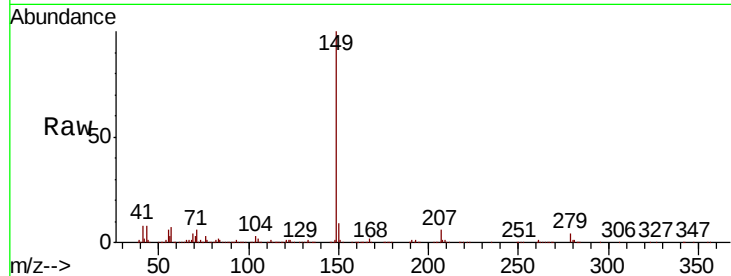
ClientSampleId :

IDOC SOIL-HP3

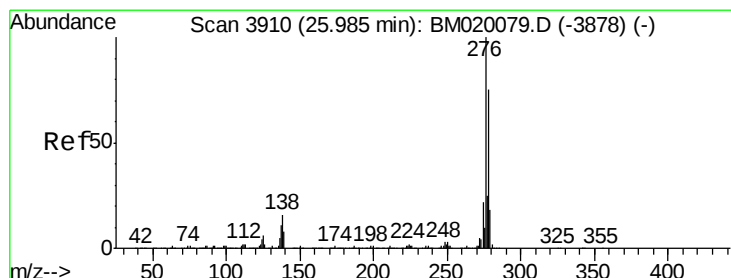
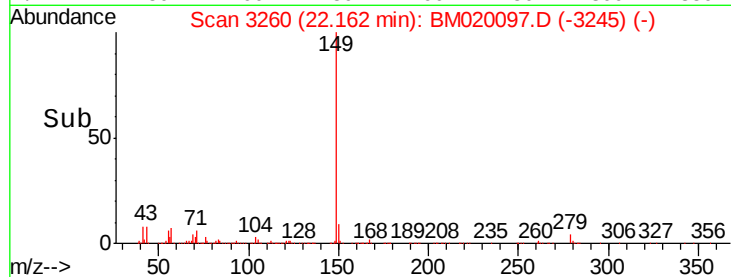
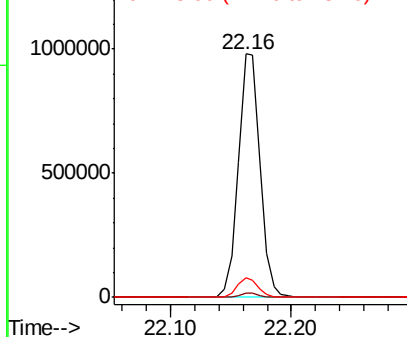
Tot Ion:	149	Resp:	1227994
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.7	6.5	9.7

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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: 38.596 ng

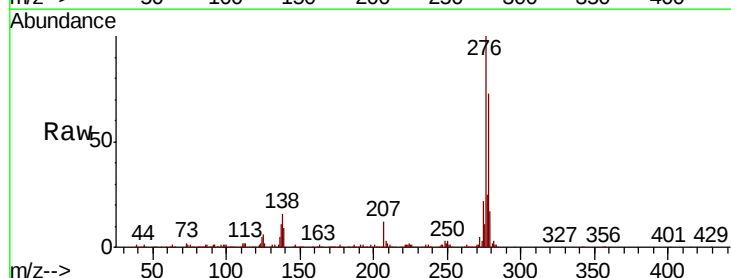
RT: 25.97 min Scan# 3908

Delta R.T. -0.01 min

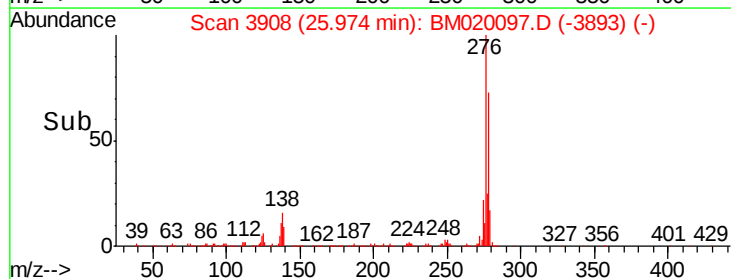
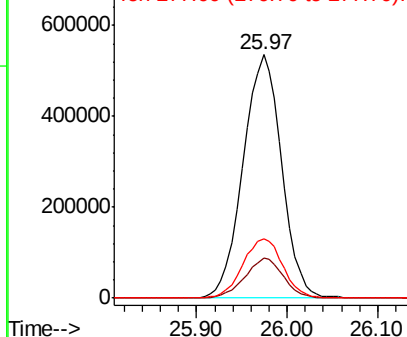
Lab File: BM020097.D

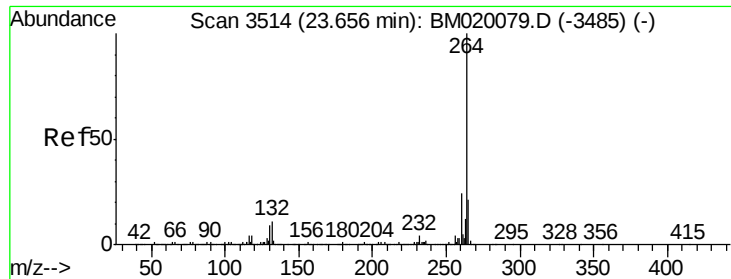
Acq: 01 May 2019 19:17

Tgt Ion:	276	Resp:	1586763
Ion	Ratio	Lower	Upper
276	100		
138	16.4	0.0	0.0#
277	25.3	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: 23.64 min Scan# 3512

Delta R.T. -0.01 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Instrument :

BNA_M

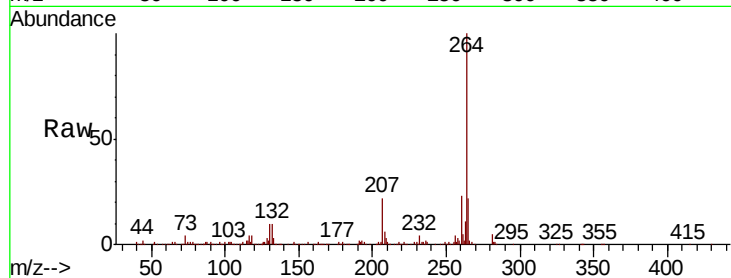
ClientSampleId :

IDOC SOIL-HP3

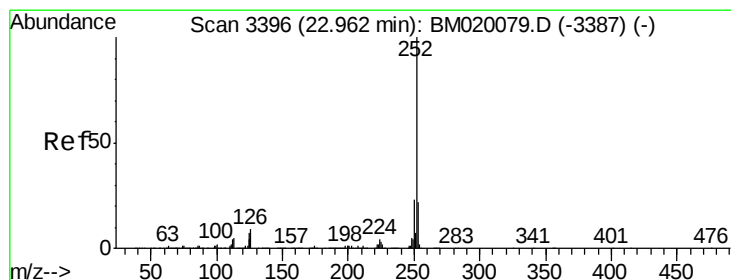
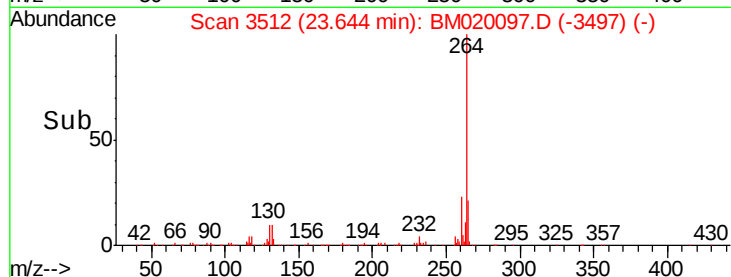
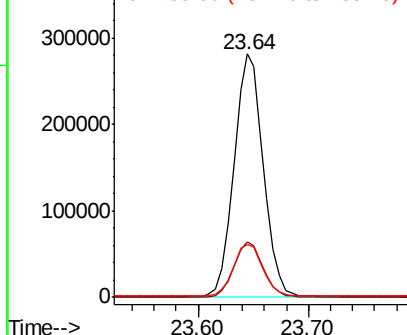
Tot Ion:	264	Resp:	523772
Ion Ratio		Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.8	16.9	25.3

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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: 39.530 ng

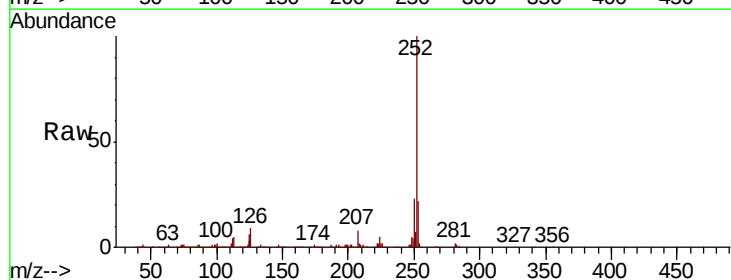
RT: 22.96 min Scan# 3395

Delta R.T. -0.01 min

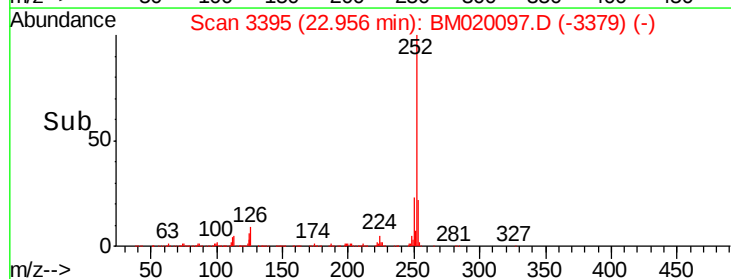
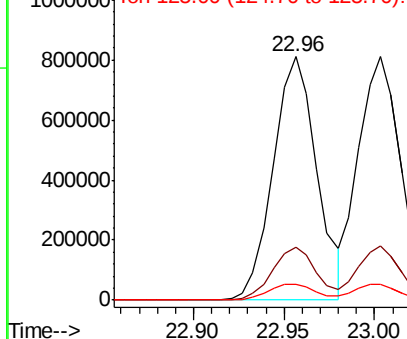
Lab File: BM020097.D

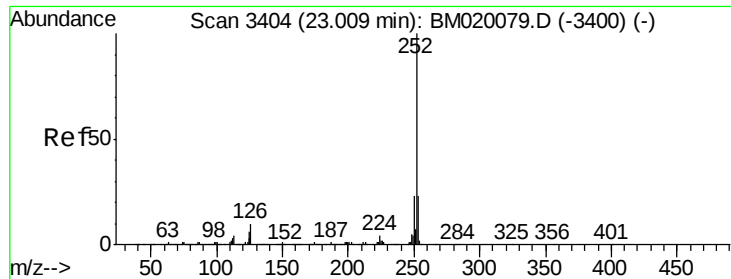
Acq: 01 May 2019 19:17

Tgt Ion:	252	Resp:	1367220
Ion Ratio		Lower	Upper
252	100		
253	21.9	17.5	26.3
125	6.4	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





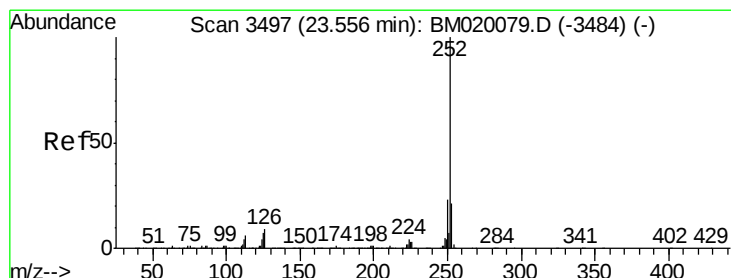
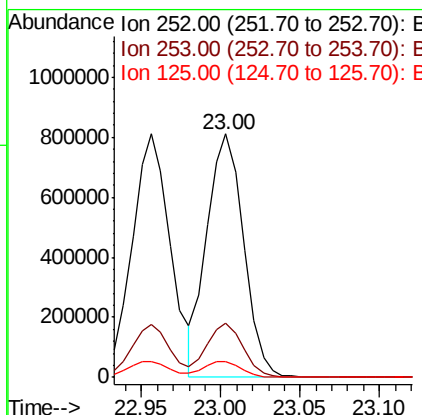
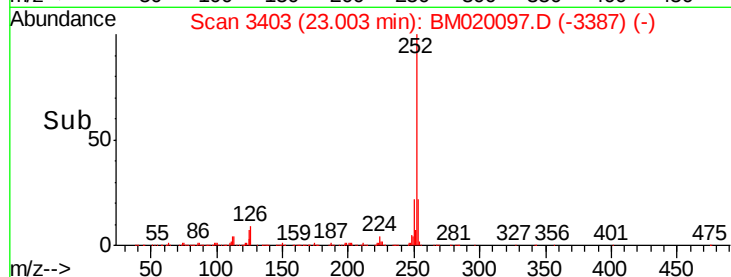
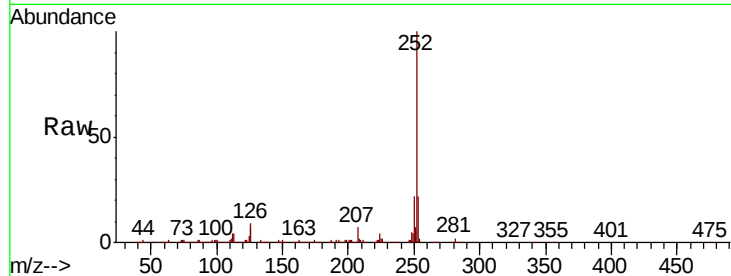
#89
Benzo(k)fluoranthene
Concen: 41.390 ng
RT: 23.00 min Scan# 3403
Delta R.T. -0.01 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Instrument :
BNA_M
ClientSampleId :
IDOC SOIL-HP3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	6.6	5.4	8.0

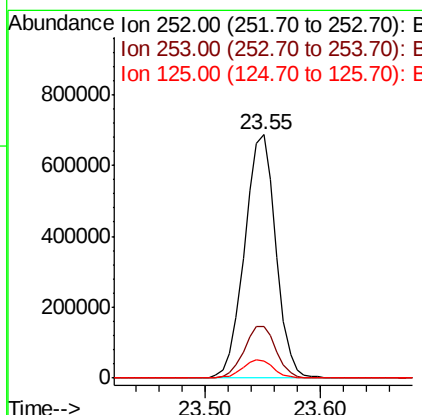
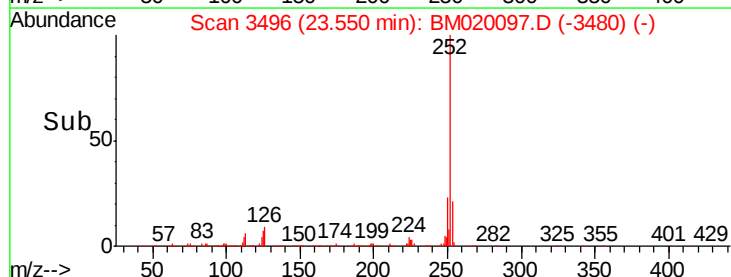
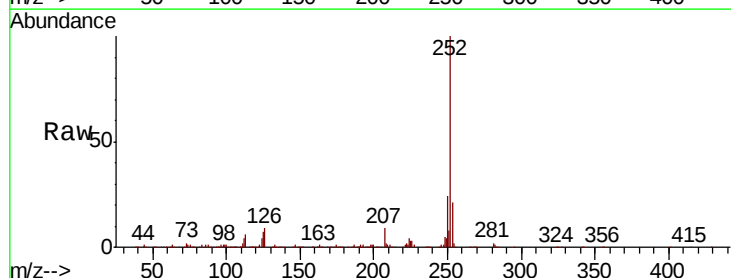
Manual Integrations
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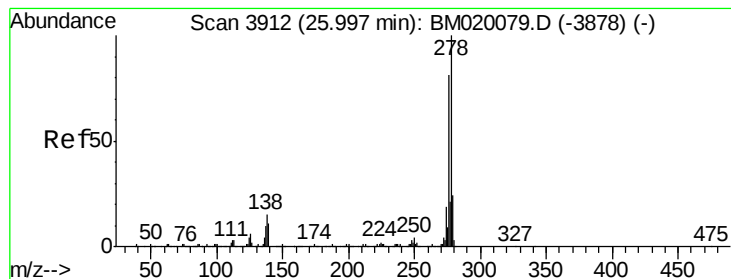
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#90
Benzo(a)pyrene
Concen: 41.151 ng
RT: 23.55 min Scan# 3496
Delta R.T. -0.01 min
Lab File: BM020097.D
Acq: 01 May 2019 19:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.0	25.6
125	7.1	5.5	8.3





#91

Dibenzo(a,h)anthracene

Concen: 41.346 ng

RT: 25.99 min Scan# 3910

Delta R.T. -0.01 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

Instrument :

BNA_M

ClientSampleId :

IDOC SOIL-HP3

Tot Ion:278 Resp: 1350850

Ion Ratio Lower Upper

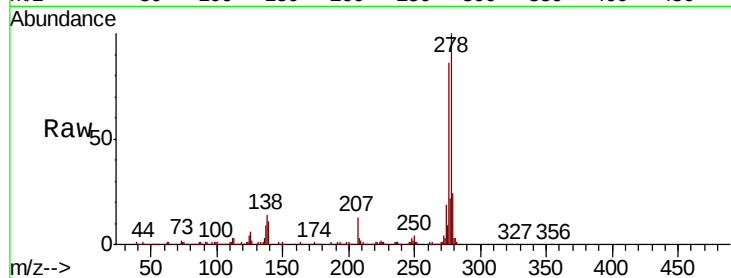
278 100

139 10.7 8.6 13.0

279 23.8 18.8 28.2

Manual Integrations
APPROVED

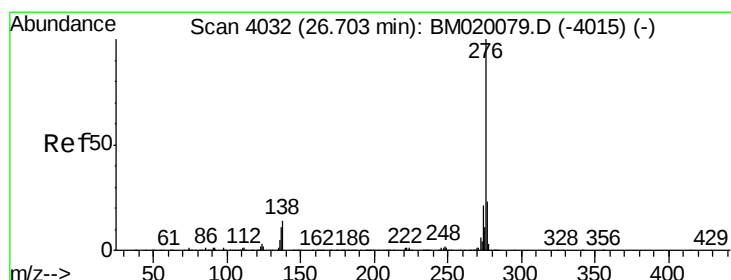
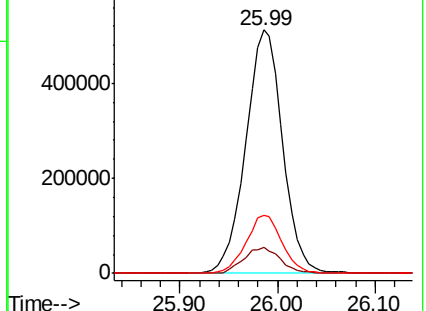
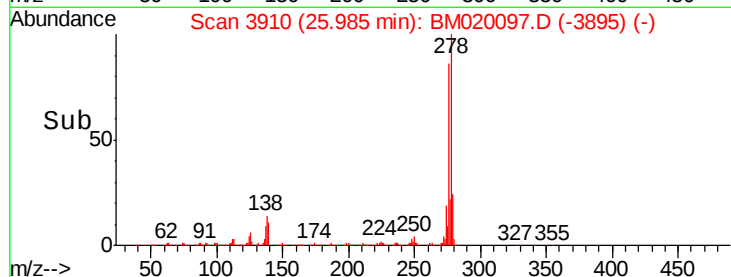
Sohil
5/2/2019 4:55:29 PM



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: 42.496 ng

RT: 26.69 min Scan# 4029

Delta R.T. -0.02 min

Lab File: BM020097.D

Acq: 01 May 2019 19:17

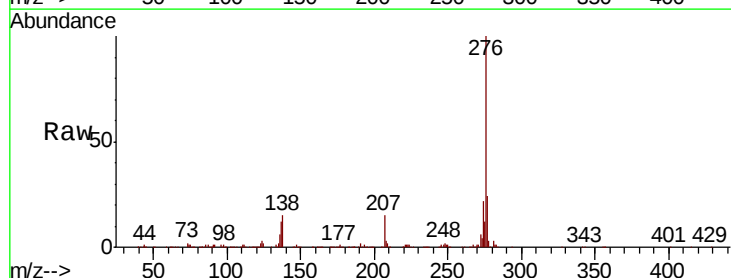
Tgt Ion:276 Resp: 1318181

Ion Ratio Lower Upper

276 100

277 24.2 18.4 27.6

138 14.6 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

