

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062219\
 Data File : BM021091.D
 Acq On : 22 Jun 2019 08:58
 Operator : HP/JU
 Sample : K2241-03
 Misc : MDL-SOIL-8PPM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Manual Integrations
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mohammad
 6/26/2019 1:57:27 PM

Quant Time: Jun 24 05:49:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM062019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 20 15:39:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	262647	20.00	ng	0.00
21) Naphthalene-d8	10.57	136	1062427	20.00	ng	0.00
39) Acenaphthene-d10	14.42	164	687199	20.00	ng	0.00
64) Phenanthrene-d10	17.16	188	1533191	20.00	ng	0.00
76) Chrysene-d12	21.34	240	1224664	20.00	ng	0.00
87) Perylene-d12	23.62	264	1280023	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	1741134	120.04	ng	0.00
7) Phenol-d6	6.95	99	2396676	113.46	ng	0.00
23) Nitrobenzene-d5	8.95	82	1660705	81.46	ng	0.00
42) 2,4,6-Tribromophenol	15.92	330	1647283	127.75	ng	0.00
45) 2-Fluorobiphenyl	13.04	172	4969210	88.87	ng	0.00
79) Terphenyl-d14	19.79	244	6775173	103.33	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.32	88	45287	8.287	ng	96
3) Pyridine	3.73	79	108614	6.912	ng	98
4) n-Nitrosodimethylamine	3.64	42	41534	6.864	ng	# 91
6) Aniline	7.12	93	189109	6.722	ng	99
8) 2-Chlorophenol	7.35	128	131996	7.394	ng	96
9) Benzaldehyde	6.93	77	123305	6.895	ng	99
10) Phenol	6.98	94	155501	7.206	ng	95
11) bis(2-Chloroethyl)ether	7.22	93	121175	7.093	ng	99
12) 1,3-Dichlorobenzene	7.67	146	153440	7.095	ng	99
13) 1,4-Dichlorobenzene	7.82	146	157777	7.175	ng	98
14) 1,2-Dichlorobenzene	8.13	146	152107	7.059	ng	98
15) Benzyl Alcohol	8.02	79	116296	6.800	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.31	45	157406	7.123	ng	99
17) 2-Methylphenol	8.22	107	106582	6.915	ng	98
18) Hexachloroethane	8.85	117	54538	6.908	ng	92
19) n-Nitroso-di-n-propylamine	8.59	70	109098	7.097	ng	98
20) 3+4-Methylphenols	8.55	107	142081	6.696	ng	99
22) Acetophenone	8.60	105	228081	8.424	ng	# 98
24) Nitrobenzene	8.98	77	163245	8.084	ng	97
25) Isophorone	9.50	82	293228	7.688	ng	100
26) 2-Nitrophenol	9.69	139	68617	6.940	ng	98
27) 2,4-Dimethylphenol	9.75	122	120579	8.361	ng	99
28) bis(2-Chloroethoxy)methane	9.99	93	180044	7.596	ng	99
29) 2,4-Dichlorophenol	10.22	162	133469	7.151	ng	97
30) 1,2,4-Trichlorobenzene	10.43	180	163394	7.426	ng	100
31) Naphthalene	10.62	128	444072	7.898	ng	99
32) Benzoic acid	9.83	122	66926m	5.736	ng	
33) 4-Chloroaniline	10.74	127	181828	7.124	ng	99
34) Hexachlorobutadiene	10.89	225	99307	7.148	ng	99
35) Caprolactam	11.53	113	36270	6.213	ng	94
36) 4-Chloro-3-methylphenol	11.86	107	137921	7.262	ng	96
37) 2-Methylnaphthalene	12.23	142	342943	7.927	ng	100
38) 1-Methylnaphthalene	12.45	142	331038	8.023	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.60	216	209298	8.047	ng	100

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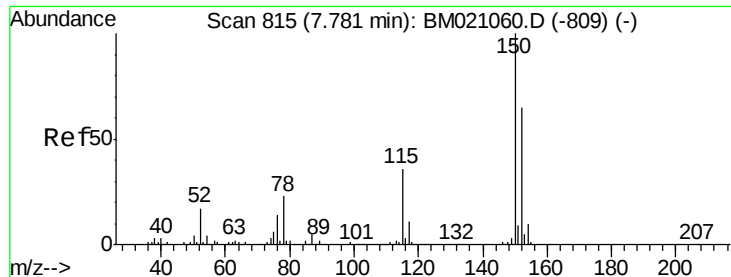
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.57	237	91088	6.041	ng	96
43) 2,4,6-Trichlorophenol	12.85	196	118752	6.900	ng	97
44) 2,4,5-Trichlorophenol	12.92	196	127396	7.148	ng	98
46) 1,1'-Biphenyl	13.25	154	500821	8.515	ng	97
47) 2-Chloronaphthalene	13.29	162	364246	7.625	ng	99
48) 2-Nitroaniline	13.50	65	80922	6.192	ng	94
49) Acenaphthylene	14.14	152	568647	7.822	ng	100
50) Dimethylphthalate	13.88	163	457969	7.496	ng	99
51) 2,6-Dinitrotoluene	14.00	165	93876	7.142	ng	99
52) Acenaphthene	14.48	154	336300	7.668	ng	100
53) 3-Nitroaniline	14.33	138	83251	6.213	ng	98
54) 2,4-Dinitrophenol	14.55	184	27941	3.957	ng	96
55) Dibenzofuran	14.82	168	569390	7.958	ng	98
56) 4-Nitrophenol	14.65	139	57692	5.630	ng	99
57) 2,4-Dinitrotoluene	14.79	165	117815	6.491	ng	98
58) Fluorene	15.47	166	436583	7.468	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.05	232	120529	7.078	ng	99
60) Diethylphthalate	15.25	149	437289	7.267	ng	99
61) 4-Chlorophenyl-phenylether	15.46	204	243611	7.376	ng	95
62) 4-Nitroaniline	15.50	138	80453	5.720	ng	95
63) Azobenzene	15.76	77	371816	7.533	ng	98
65) 4,6-Dinitro-2-methylphenol	15.55	198	45722	4.837	ng	97
66) n-Nitrosodiphenylamine	15.68	169	382276	7.910	ng	99
67) 4-Bromophenyl-phenylether	16.36	248	150943	7.395	ng	98
68) Hexachlorobenzene	16.46	284	181763	7.455	ng	99
69) Atrazine	16.63	200	115813	7.370	ng	100
70) Pentachlorophenol	16.82	266	77274	5.882	ng	97
71) Phenanthrene	17.21	178	695880	7.875	ng	99
72) Anthracene	17.30	178	677878	7.745	ng	99
73) Carbazole	17.57	167	567348	7.331	ng	98
74) Di-n-butylphthalate	18.13	149	604409	6.380	ng	99
75) Fluoranthene	19.22	202	723168	7.087	ng	99
77) Benzidine	19.42	184	197489	5.553	ng	99
78) Pyrene	19.59	202	744286	8.380	ng	99
80) Butylbenzylphthalate	20.49	149	227850	6.436	ng	97
81) Benzo(a)anthracene	21.33	228	644329	7.718	ng	99
82) 3,3'-Dichlorobenzidine	21.27	252	215652	6.820	ng	99
83) Chrysene	21.39	228	635739	7.994	ng	99
84) Bis(2-ethylhexyl)phthalate	21.26	149	315926	6.270	ng	# 97
85) Di-n-octyl phthalate	22.15	149	509445	6.429	ng	100
86) Indeno(1,2,3-cd)pyrene	25.92	276	718182	8.161	ng	99
88) Benzo(b)fluoranthene	22.93	252	627727	7.269	ng	99
89) Benzo(k)fluoranthene	22.98	252	638105	7.644	ng	99
90) Benzo(a)pyrene	23.52	252	599358	7.692	ng	99
91) Dibenzo(a,h)anthracene	25.93	278	597749	7.694	ng	99
92) Benzo(g,h,i)perylene	26.62	276	593472	8.192	ng	99

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



#1

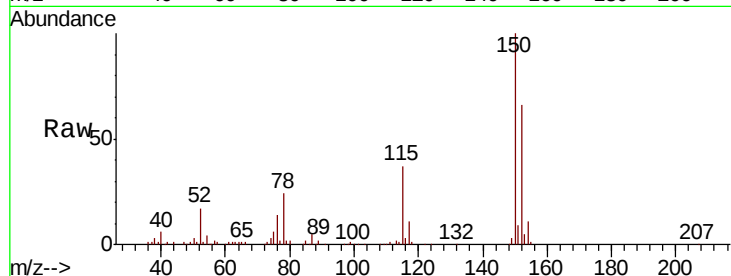
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.78 min Scan# 815
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	123.1	184.7
115	56.1	44.2	66.4

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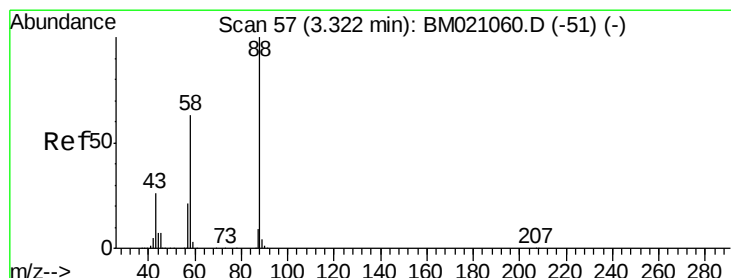
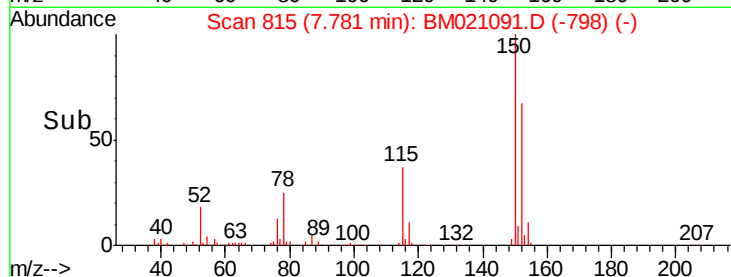
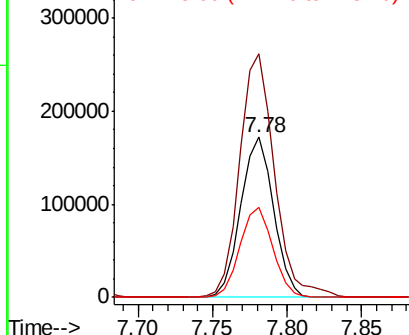


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

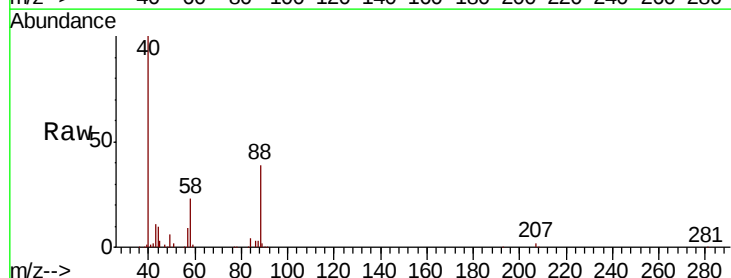
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 8.287 ng
RT: 3.32 min Scan# 57
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.8	51.9	77.9
43	30.8	21.4	32.2

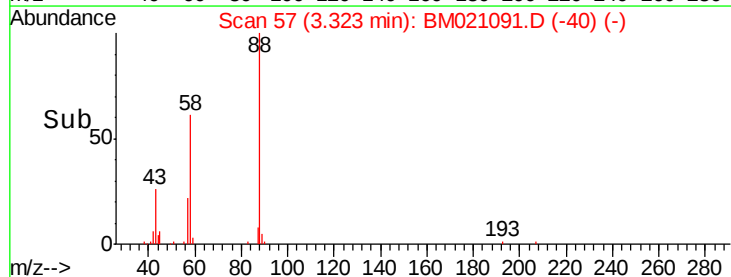
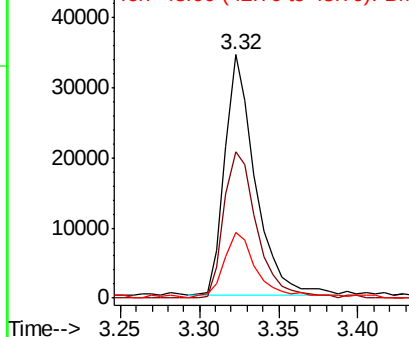


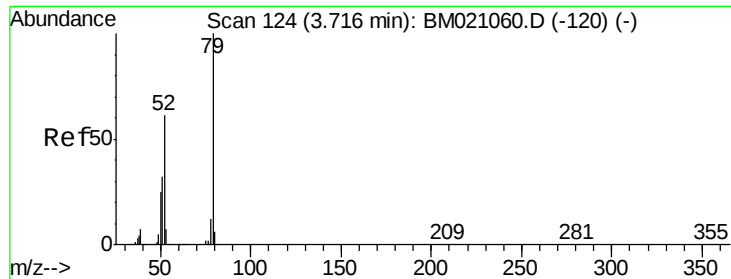
Abundance

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: 6.912 ng

RT: 3.73 min Scan# 127

Delta R.T. 0.02 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Instrument :

BNA_M

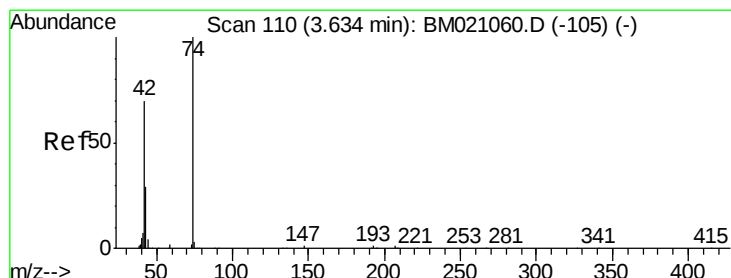
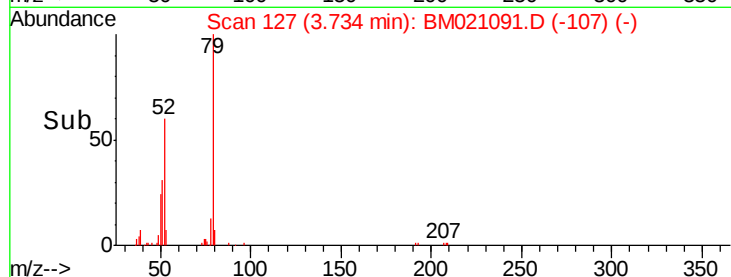
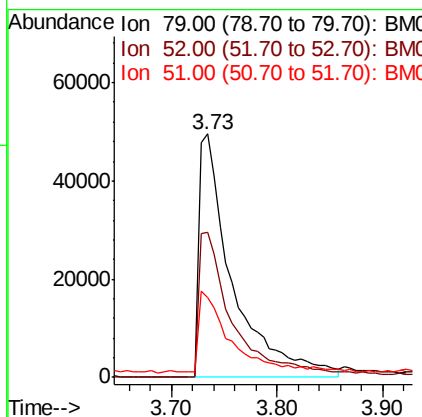
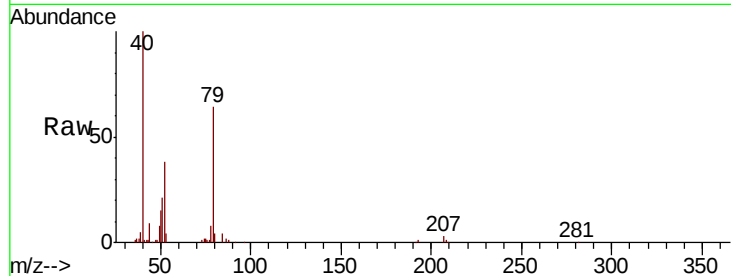
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	79	Resp:	108614
Ion Ratio	Lower	Upper	
79	100		
52	59.8	48.8	73.2
51	32.9	25.7	38.5

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#4

n-Nitrosodimethylamine

Concen: 6.864 ng

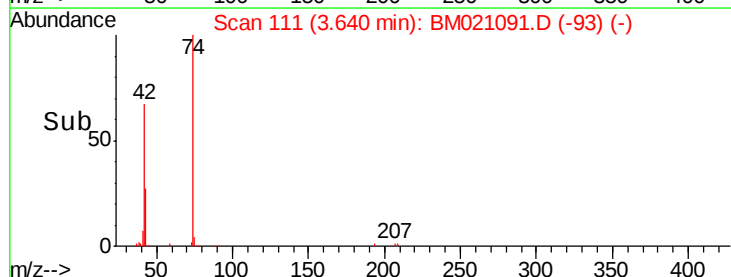
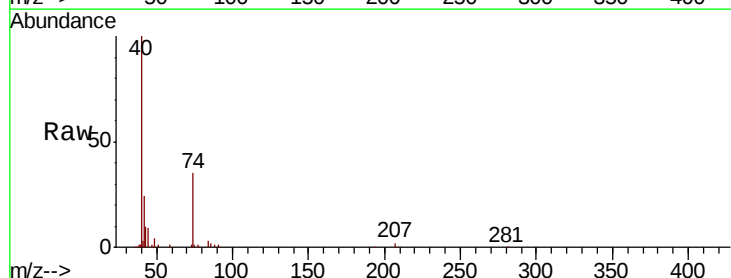
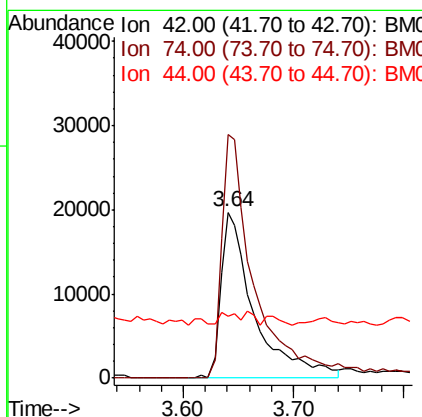
RT: 3.64 min Scan# 111

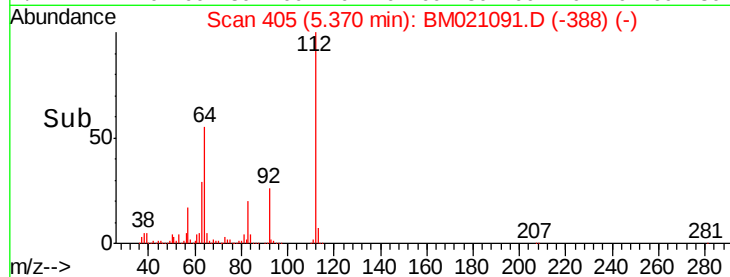
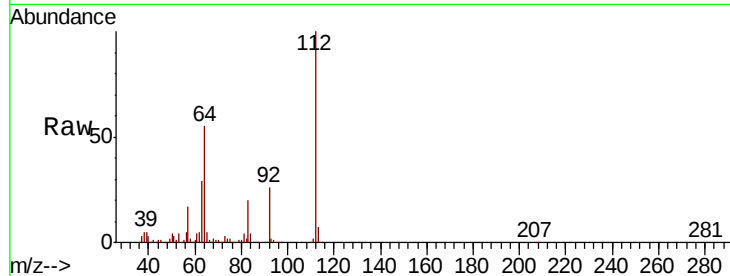
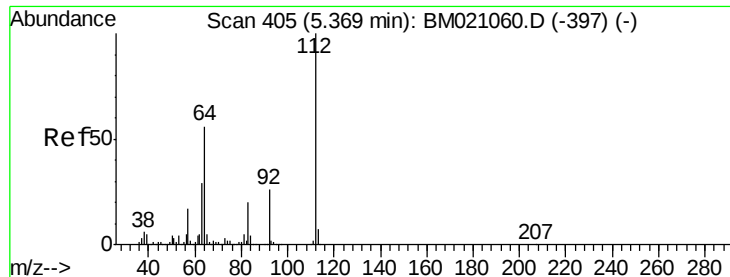
Delta R.T. 0.01 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Tgt Ion:	42	Resp:	41534
Ion Ratio	Lower	Upper	
42	100		
74	147.0	113.8	170.6
44	37.4	8.2	12.2#





#5

2-Fluorophenol

Concen: 120.037 ng

RT: 5.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Tot Ion: 112 Resp: 1741134

Ion Ratio Lower Upper

112 100

64 55.5 45.2 67.8

63 28.8 23.5 35.3

Instrument :

BNA_M

ClientSampleId :

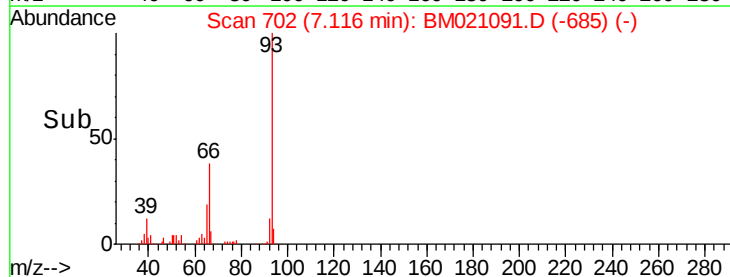
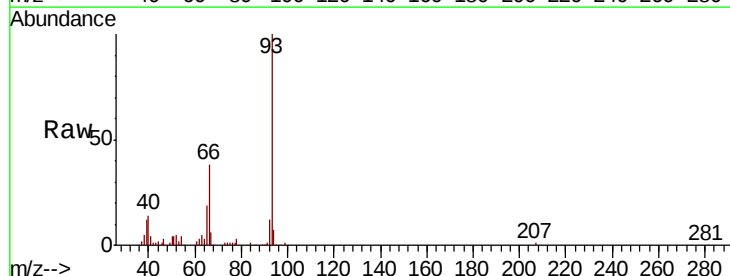
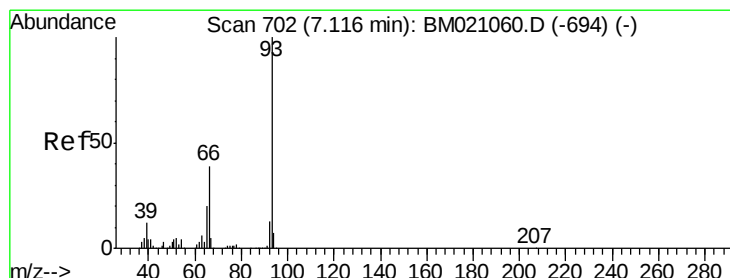
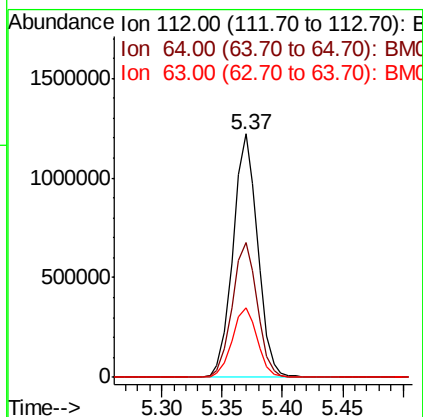
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#6

Aniline

Concen: 6.722 ng

RT: 7.12 min Scan# 702

Delta R.T. 0.00 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

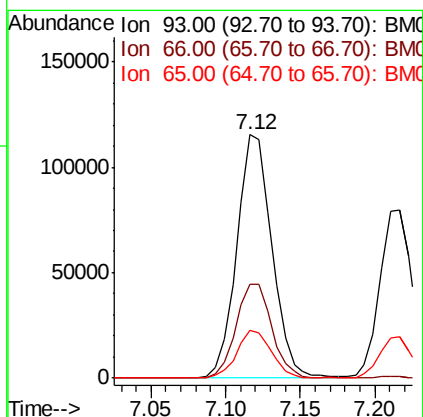
Tgt Ion: 93 Resp: 189109

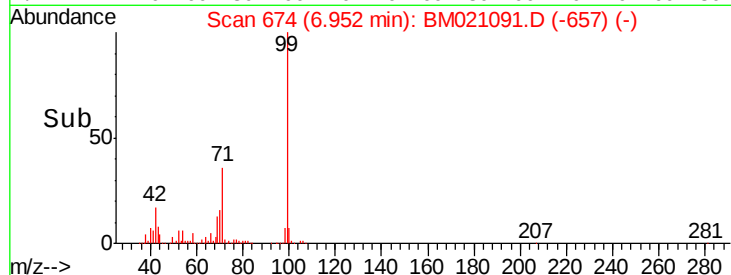
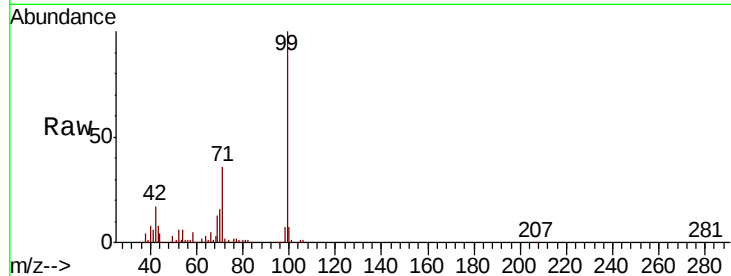
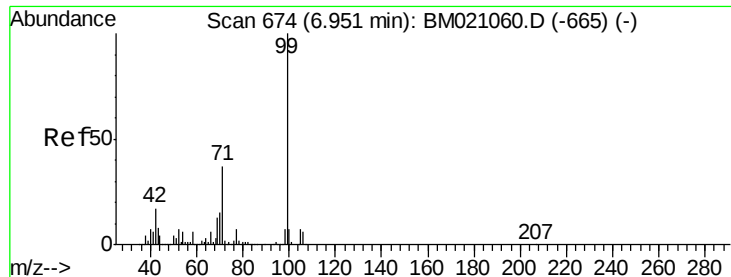
Ion Ratio Lower Upper

93 100

66 38.5 31.3 46.9

65 19.4 15.9 23.9





#7

Phenol-d6

Concen: 113.462 ng

RT: 6.95 min Scan# 674

Delta R.T. 0.00 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Tot Ion:	99	Resp:	2396676
Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.5	20.3
71	36.4	29.3	43.9

Instrument :

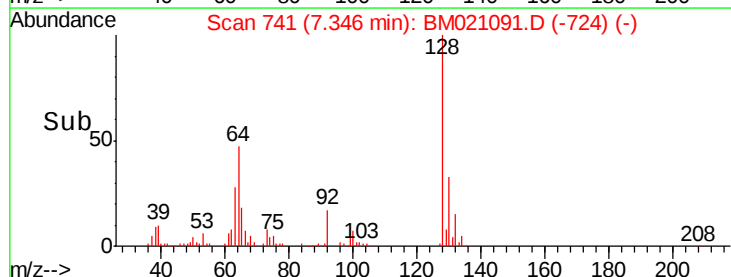
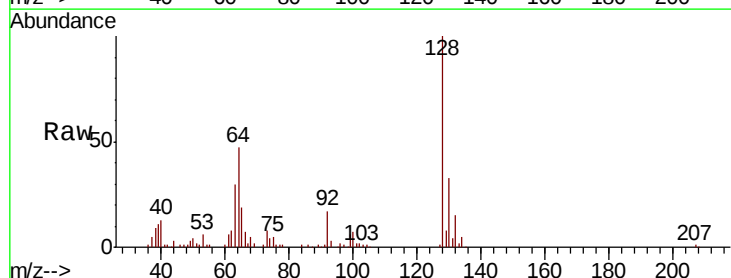
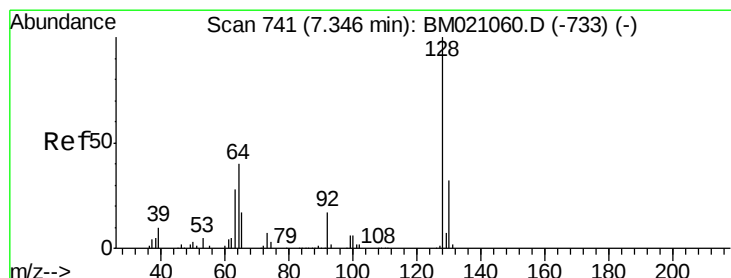
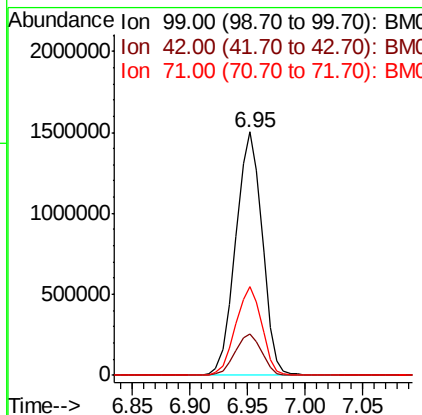
BNA_M

ClientSampleId :

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#8

2-Chlorophenol

Concen: 7.394 ng

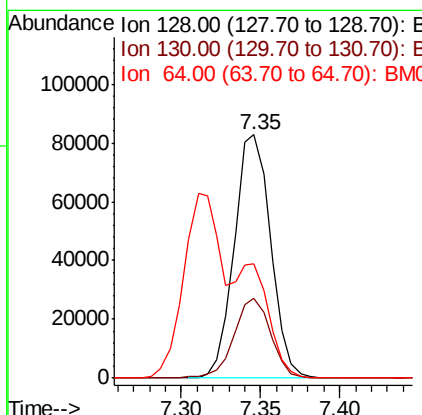
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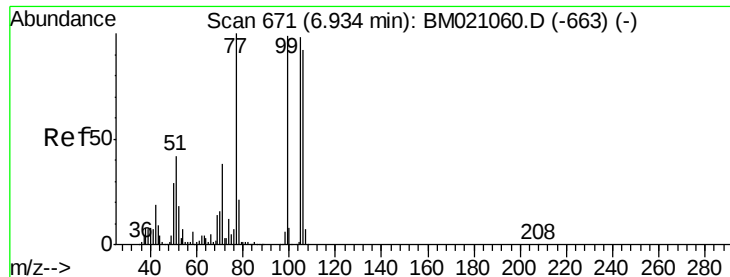
Delta R.T. 0.00 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Tgt Ion:	128	Resp:	131996
Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.2	52.2
64	46.9	23.2	63.2





#9

Benzaldehyde

Concen: 6.895 ng

RT: 6.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Instrument :

BNA_M

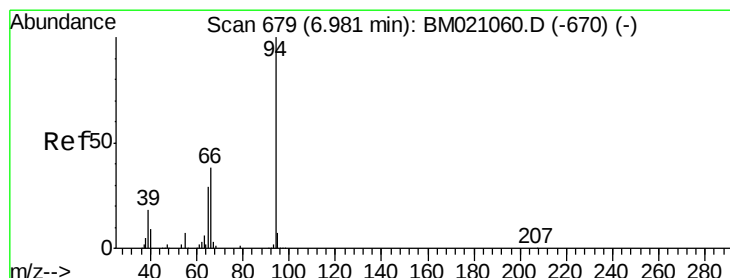
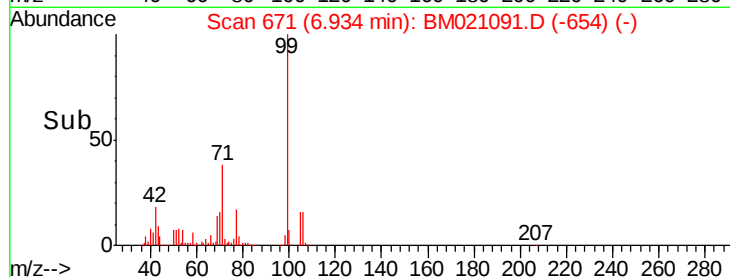
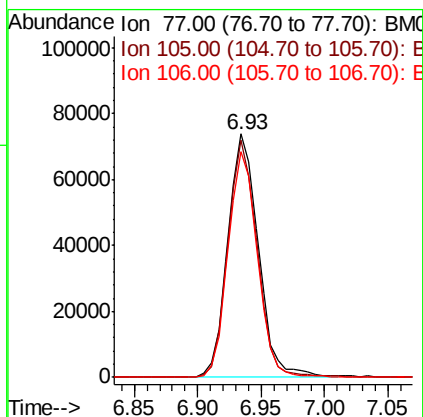
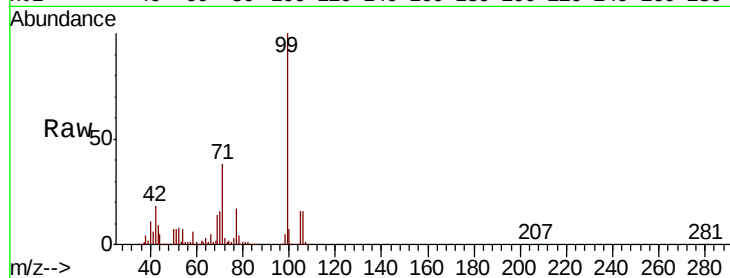
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
77	100		
105	97.4	77.8	117.8
106	92.8	71.8	111.8

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#10

Phenol

Concen: 7.206 ng

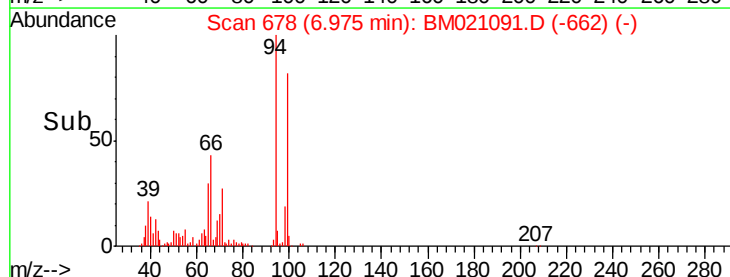
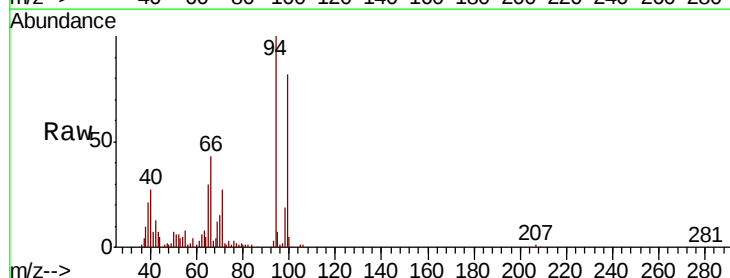
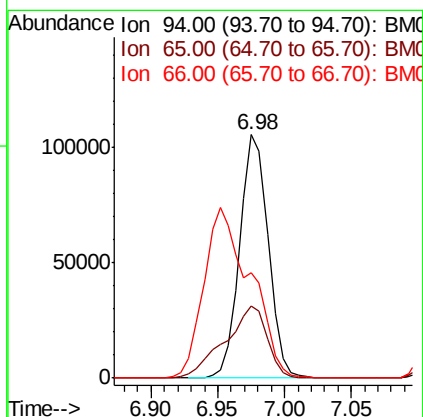
RT: 6.98 min Scan# 678

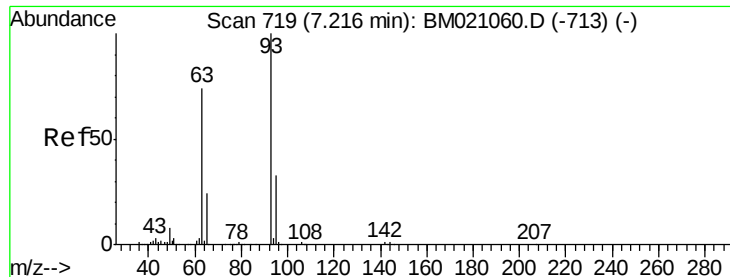
Delta R.T. -0.01 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.7	8.7	48.7
66	43.3	19.0	59.0





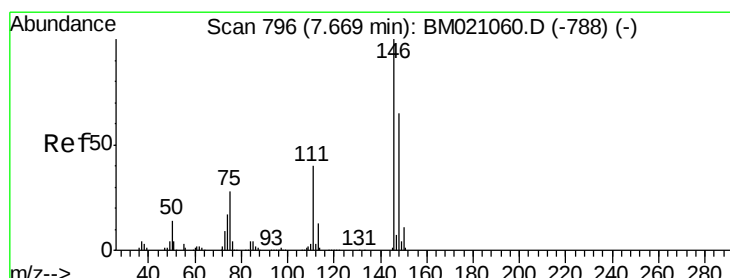
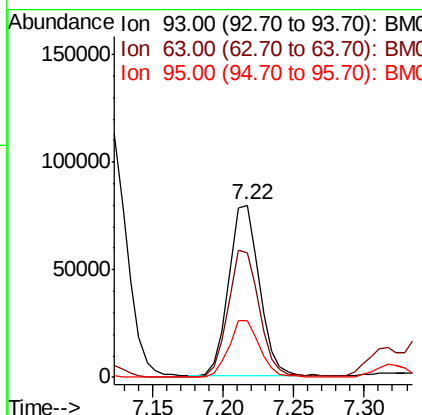
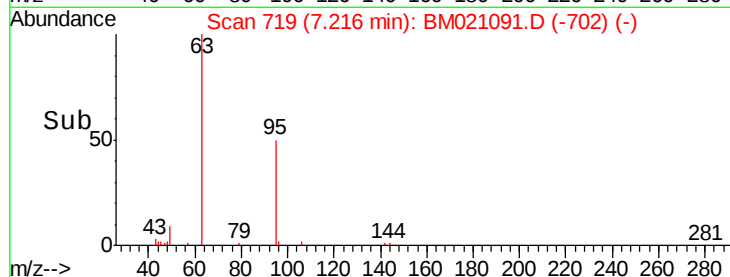
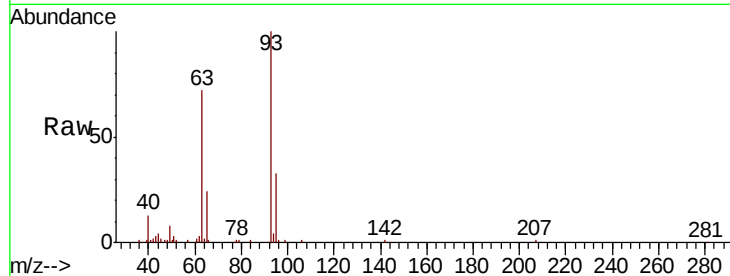
#11
bis(2-Chloroethyl)ether
Concen: 7.093 ng
RT: 7.22 min Scan# 719
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
93	100		
63	72.5	53.4	93.4
95	32.9	13.0	53.0

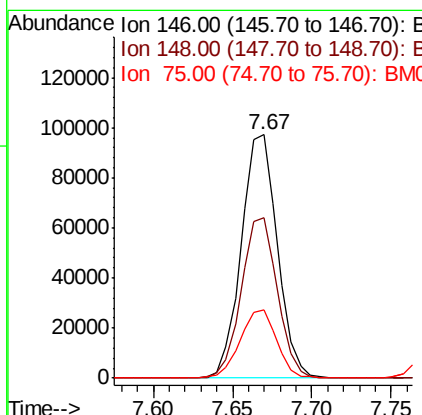
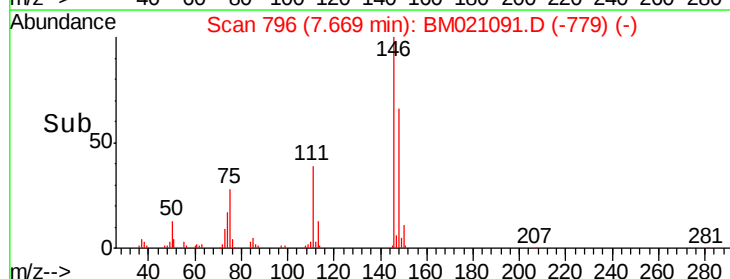
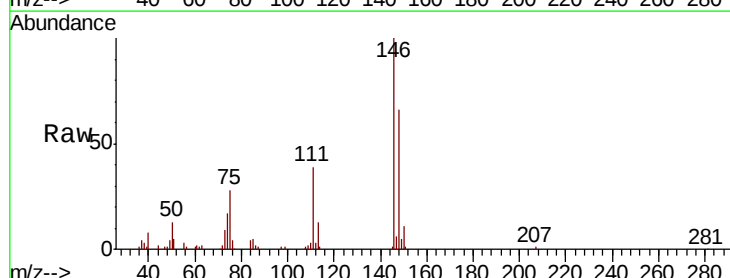
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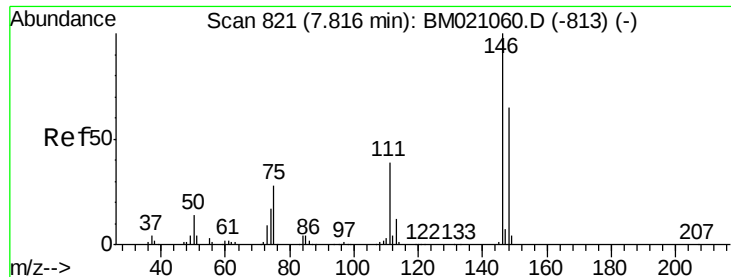
mohammad
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#12
1,3-Dichlorobenzene
Concen: 7.095 ng
RT: 7.67 min Scan# 796
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.7	52.2	78.2
75	28.3	22.2	33.4





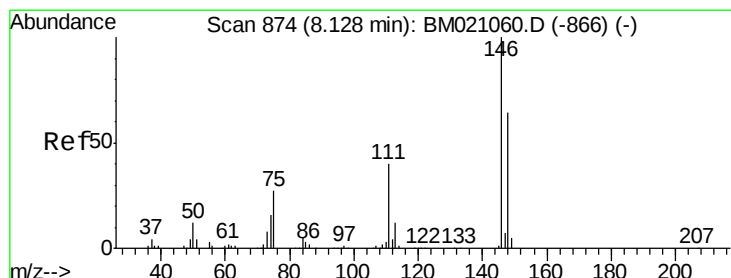
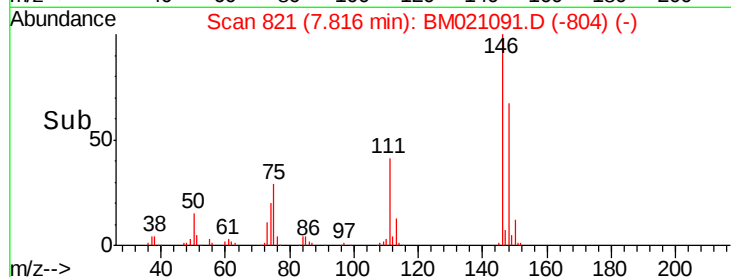
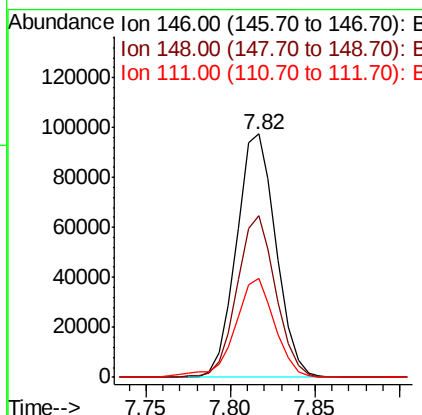
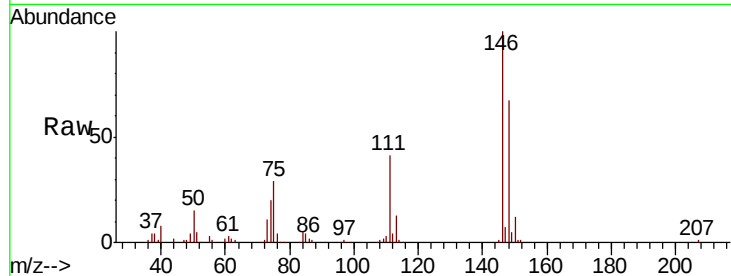
#13
1,4-Dichlorobenzene
Concen: 7.175 ng
RT: 7.82 min Scan# 821
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
146	100		
148	66.6	51.9	77.9
111	40.5	31.4	47.0

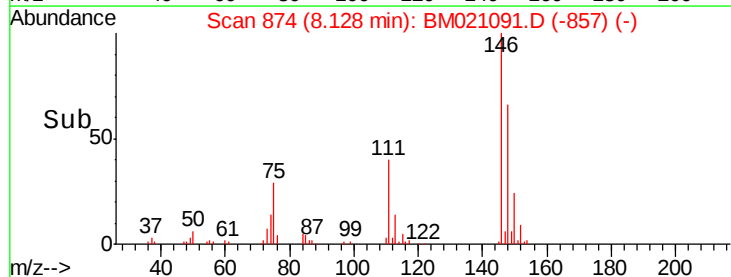
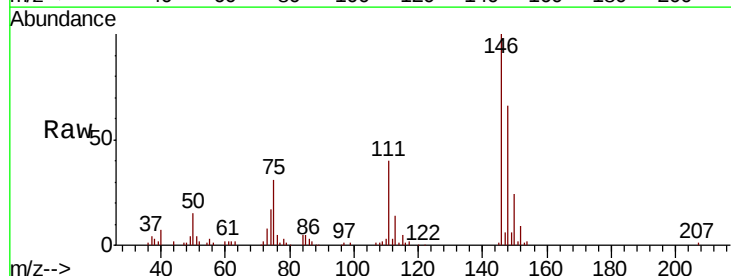
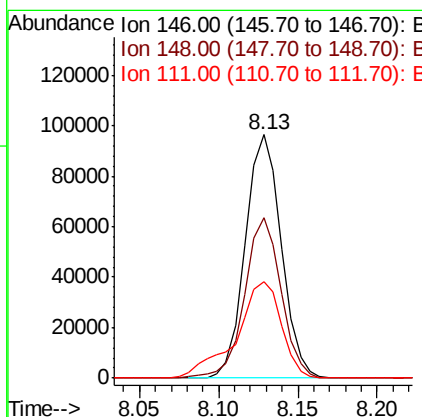
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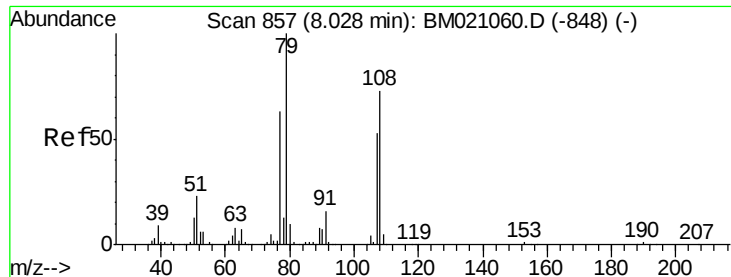
mohammad
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#14
1,2-Dichlorobenzene
Concen: 7.059 ng
RT: 8.13 min Scan# 874
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.0	51.2	76.8
111	39.6	32.8	49.2





#15

Benzyl Alcohol

Concen: 6.800 ng

RT: 8.02 min Scan# 856

Delta R.T. -0.01 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Instrument :

BNA_M

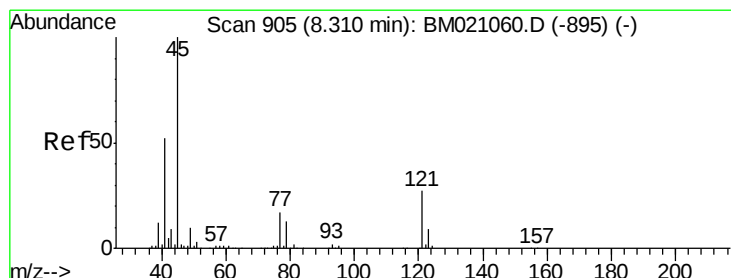
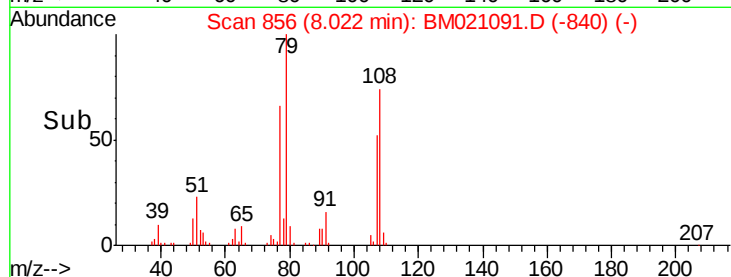
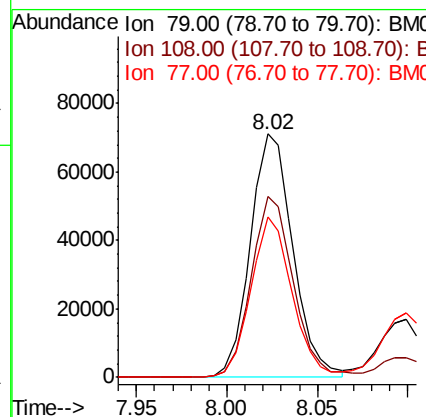
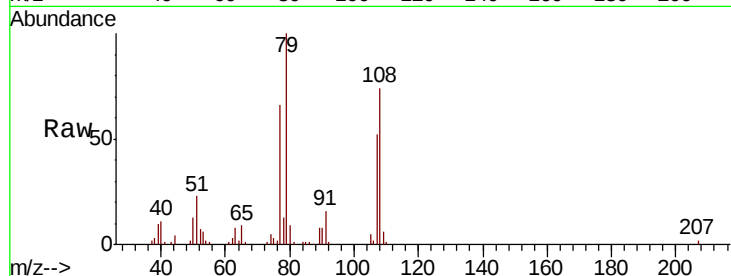
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	79	Resp:	116296
Ion Ratio	Lower	Upper	
79	100		
108	74.5	58.4	87.6
77	65.8	50.1	75.1

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.123 ng

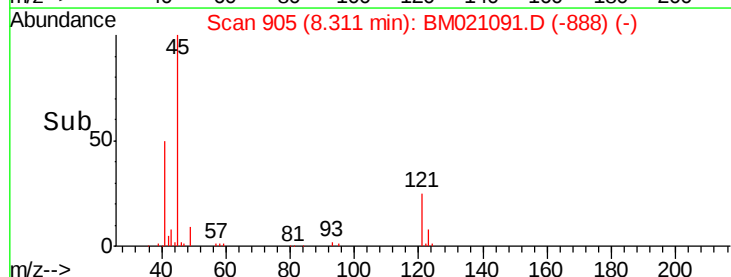
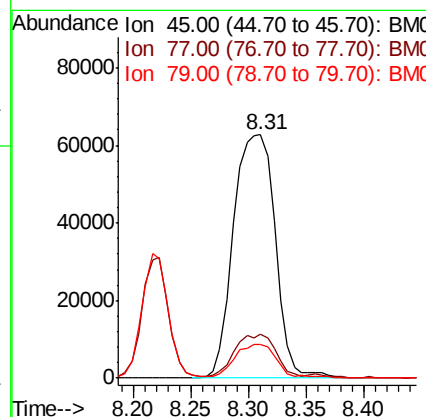
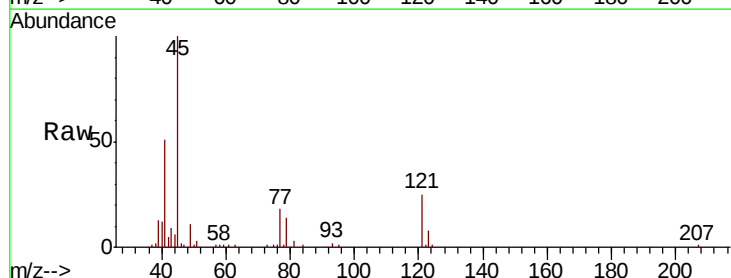
RT: 8.31 min Scan# 905

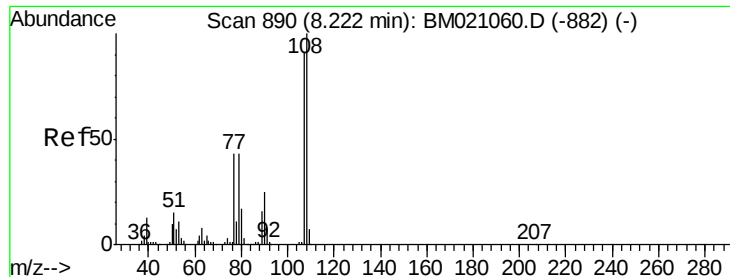
Delta R.T. 0.00 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Tgt Ion:	45	Resp:	157406
Ion Ratio	Lower	Upper	
45	100		
77	18.3	0.0	37.5
79	13.6	0.0	33.5





#17

2-Methylphenol

Concen: 6.915 ng

RT: 8.22 min Scan# 889

Delta R.T. -0.01 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Instrument :

BNA_M

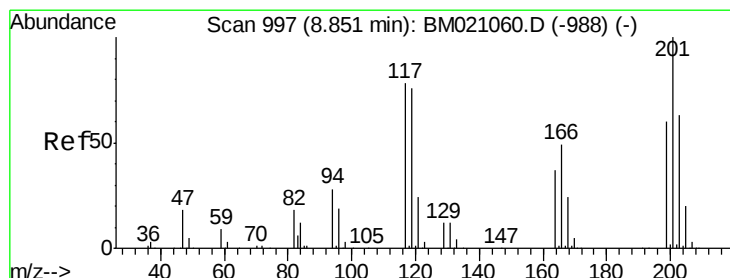
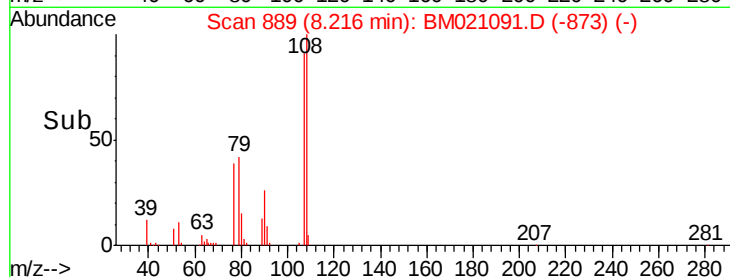
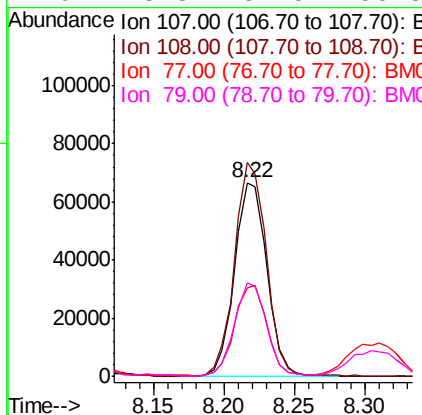
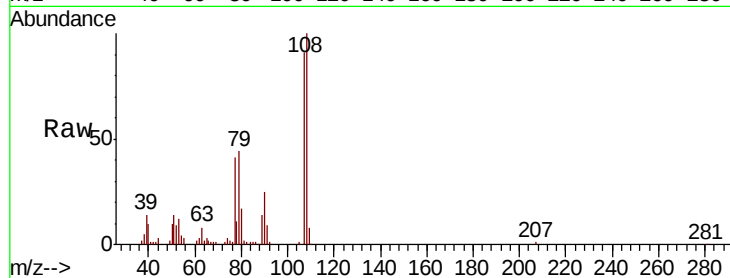
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion	107	Resp	106582
Ion Ratio	Lower	Upper	
107	100		
108	110.4	87.5	131.3
77	45.7	37.8	56.8
79	48.3	37.5	56.3

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#18

Hexachloroethane

Concen: 6.908 ng

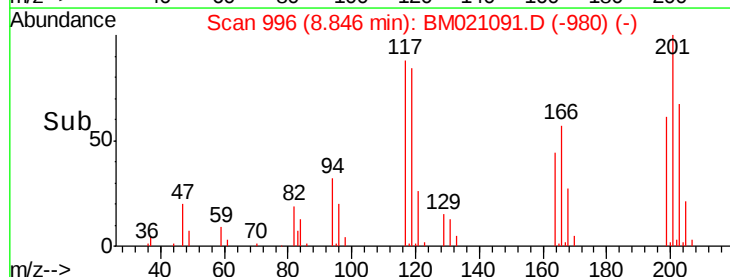
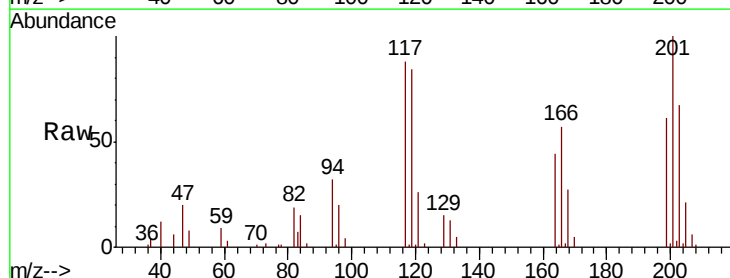
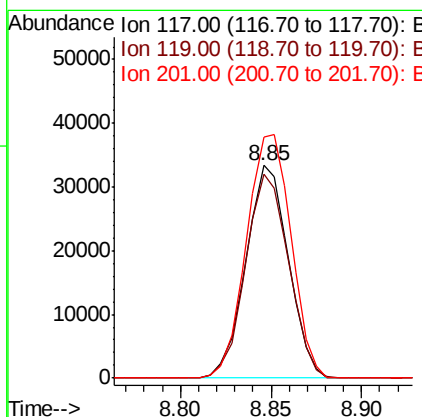
RT: 8.85 min Scan# 996

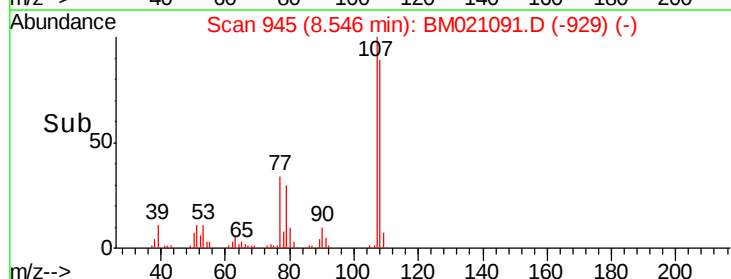
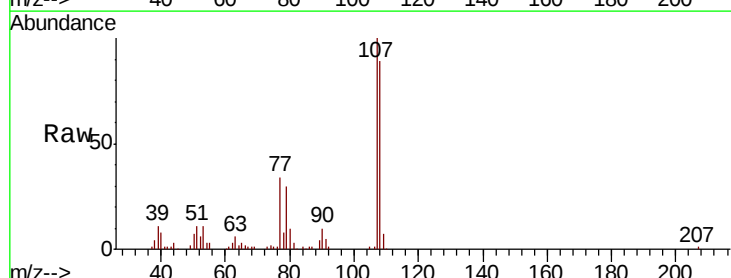
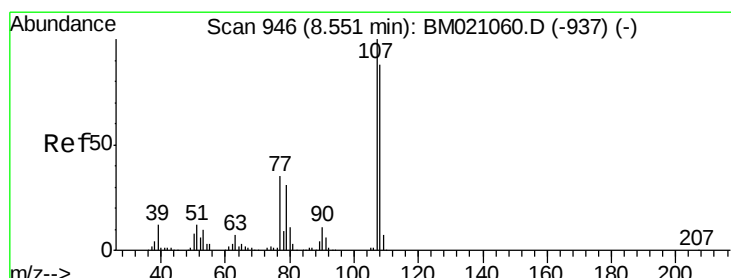
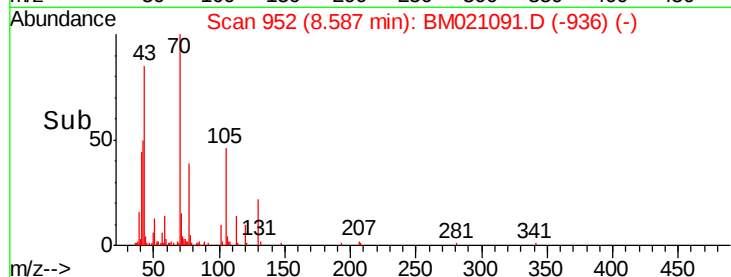
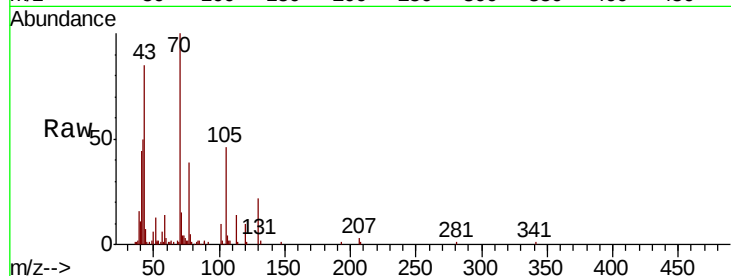
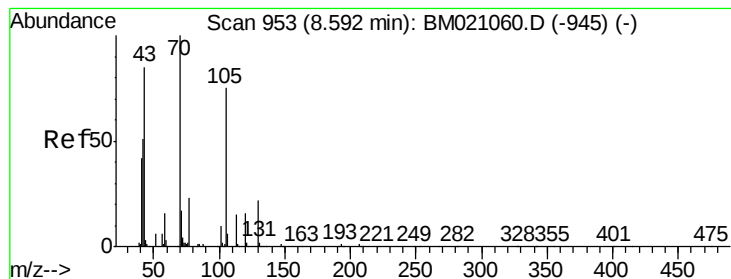
Delta R.T. -0.01 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Tgt Ion	117	Resp	54538
Ion Ratio	Lower	Upper	
117	100		
119	95.8	77.5	116.3
201	113.6	102.3	153.5





#19

n-Nitroso-di-n-propylamine

Concen: 7.097 ng

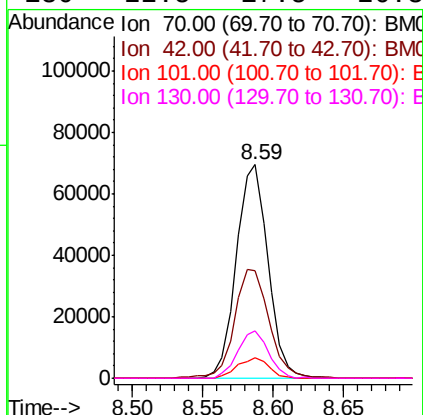
RT: 8.59 min Scan# 952

Delta R.T. -0.01 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	50.5	41.9	62.9		
101	9.6	8.1	12.1		
130	22.5	17.5	26.3		



Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

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#20

3+4-Methylphenols

Concen: 6.696 ng

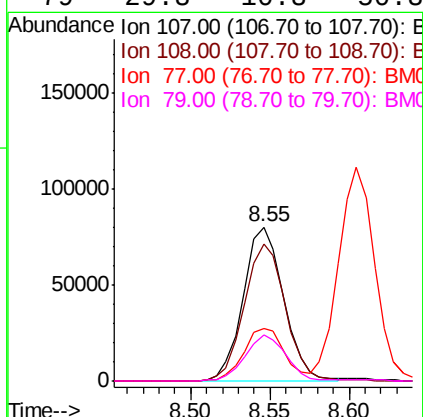
RT: 8.55 min Scan# 945

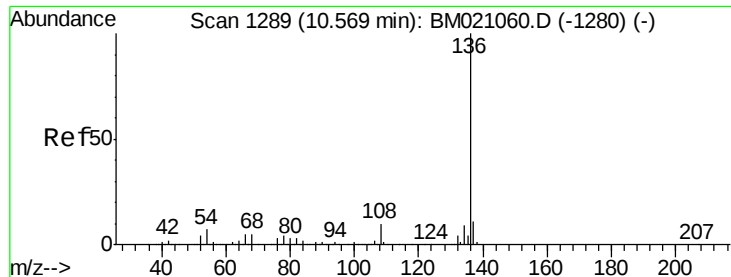
Delta R.T. -0.01 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	88.7	67.9	107.9		
77	34.1	14.6	54.6		
79	29.8	10.8	50.8		





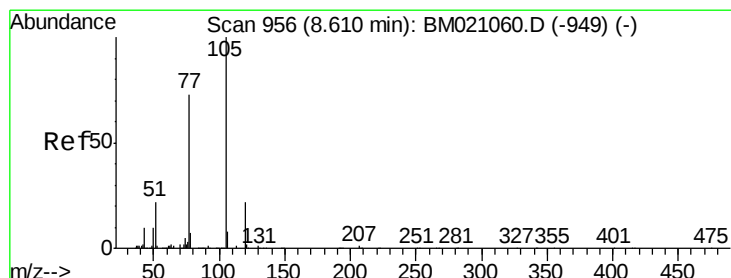
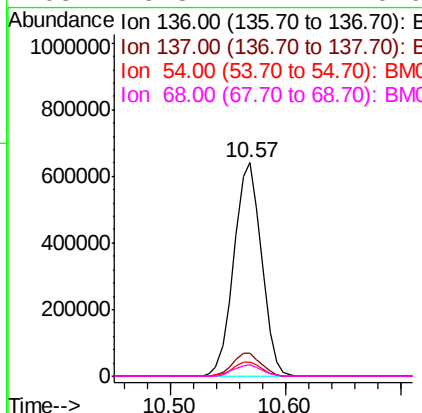
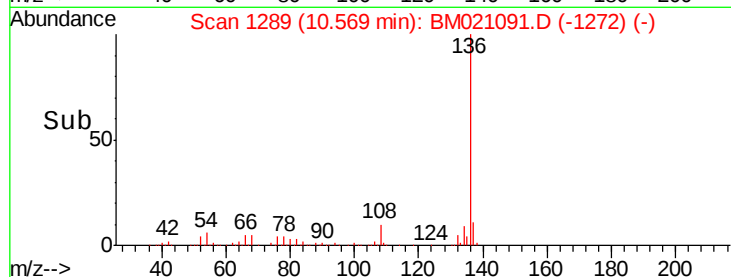
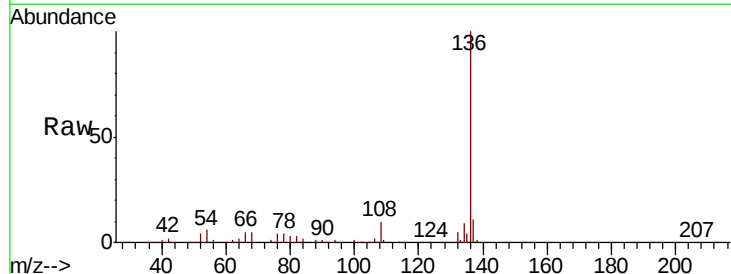
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.57 min Scan# 1289
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ion	Ratio	Lower	Upper
136	100			
137	10.8	8.6	13.0	
54	6.4	5.3	7.9	
68	5.3	4.4	6.6	

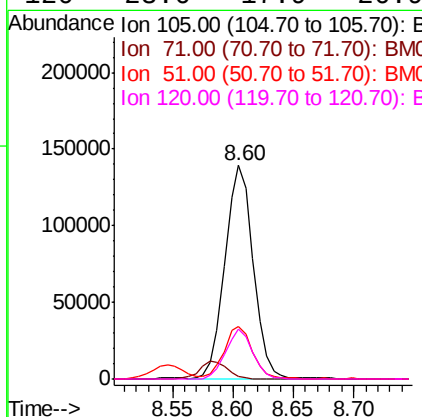
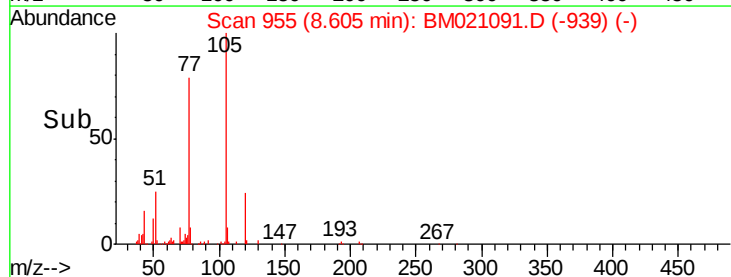
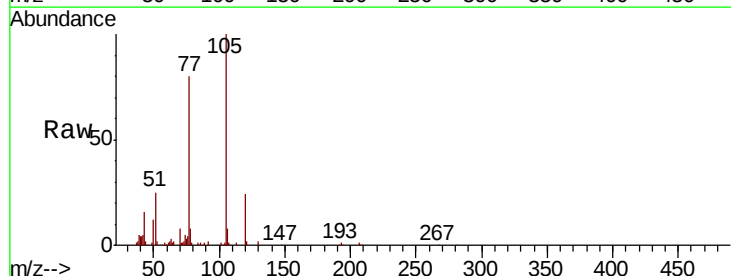
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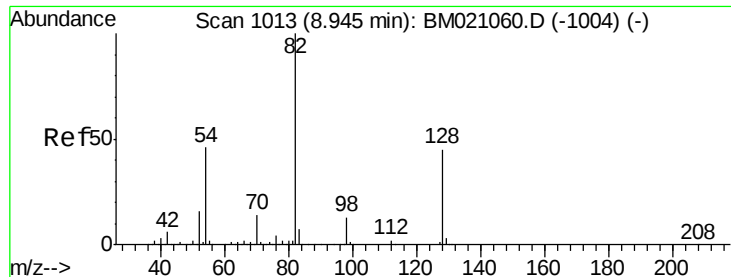
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#22
Acetophenone
Concen: 8.424 ng
RT: 8.60 min Scan# 955
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
71	1.2	1.2	1.8#	
51	24.6	19.1	28.7	
120	23.6	17.9	26.9	





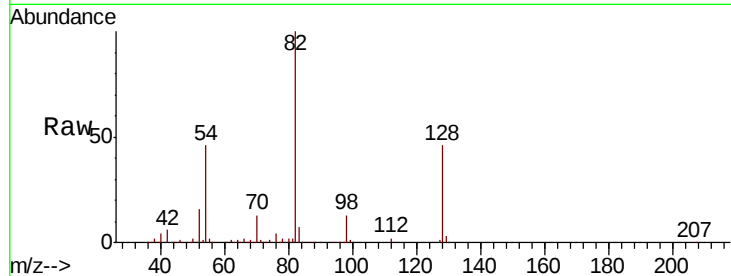
#23
 Nitrobenzene-d5
 Concen: 81.465 ng
 RT: 8.95 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: BM021091.D
 Acq: 22 Jun 2019 08:58

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

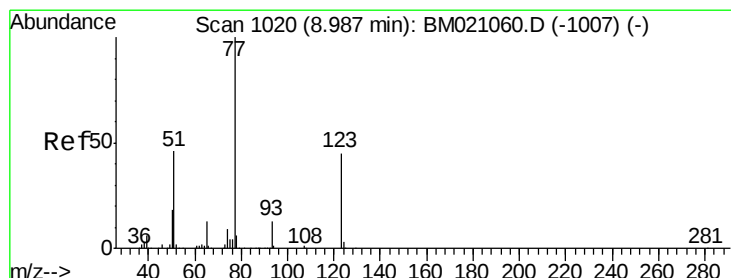
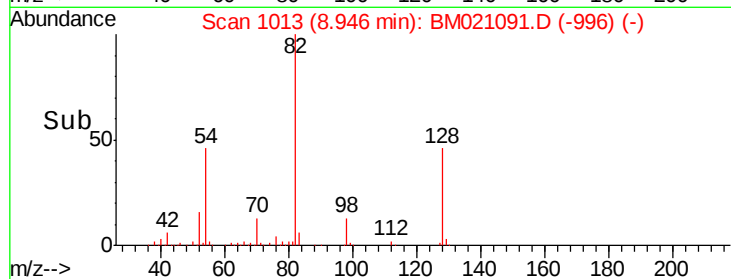
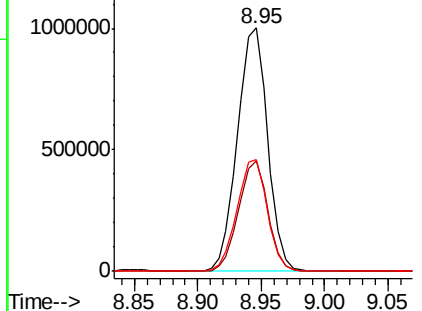
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.5	35.9	53.9
54	45.9	36.6	55.0

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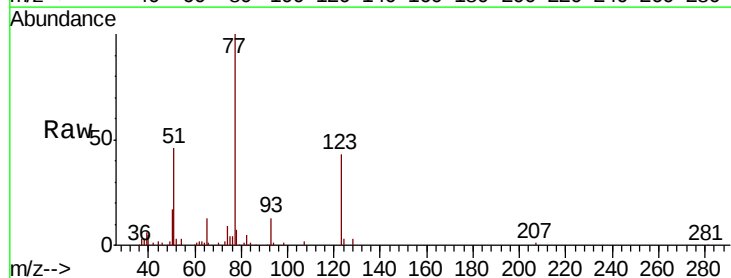


Abundance Ion 82.00 (81.70 to 82.70): BM021060.D (-1004) (-)
 Ion 128.00 (127.70 to 128.70): BM021060.D (-1004) (-)
 Ion 54.00 (53.70 to 54.70): BM021060.D (-1004) (-)

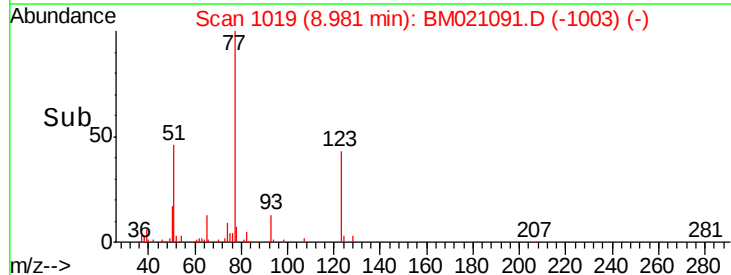
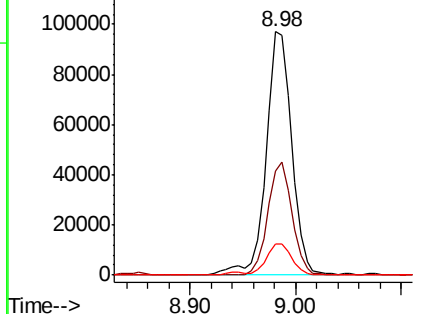


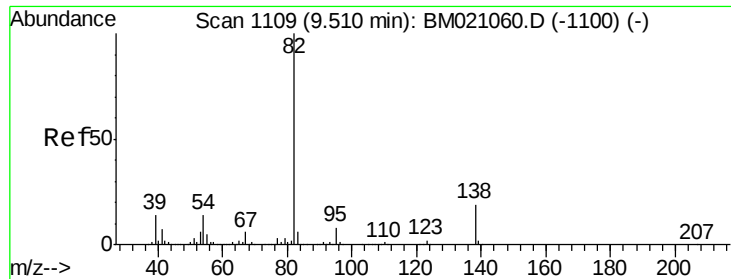
#24
 Nitrobenzene
 Concen: 8.084 ng
 RT: 8.98 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BM021091.D
 Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Lower	Upper
77	100		
123	42.8	36.3	54.5
65	12.6	10.6	16.0



Abundance Ion 77.00 (76.70 to 77.70): BM021060.D (-1007) (-)
 Ion 123.00 (122.70 to 123.70): BM021060.D (-1007) (-)
 Ion 65.00 (64.70 to 65.70): BM021060.D (-1007) (-)





#25

Isophorone

Concen: 7.688 ng

RT: 9.50 min Scan# 1108

Delta R.T. -0.01 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Instrument :

BNA_M

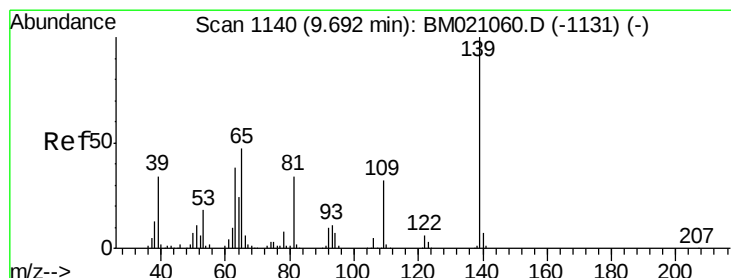
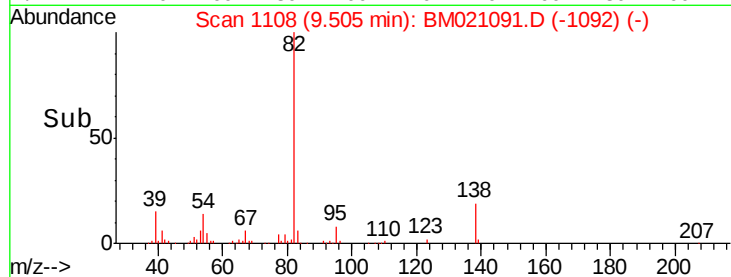
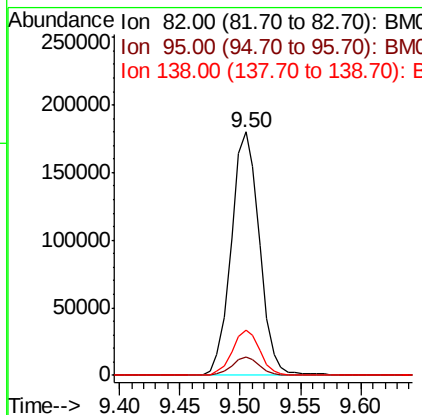
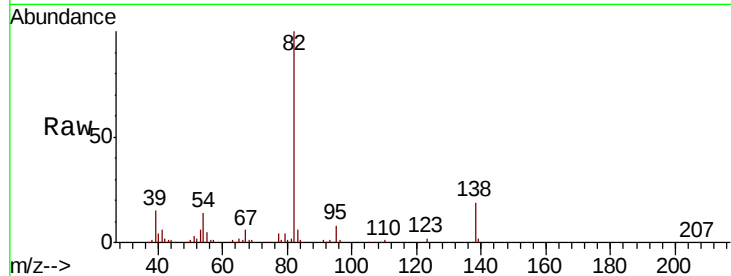
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	82	Resp:	293228
Ion Ratio	Lower	Upper	
82	100		
95	7.7	6.1	9.1
138	18.7	15.0	22.6

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#26

2-Nitrophenol

Concen: 6.940 ng

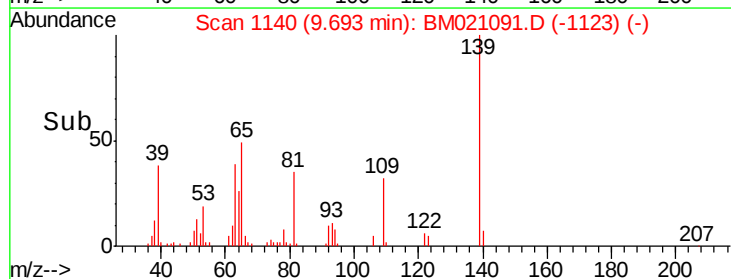
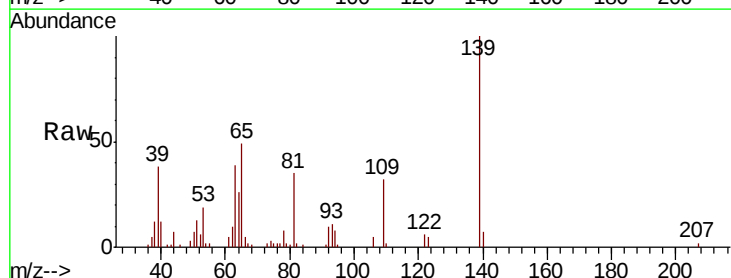
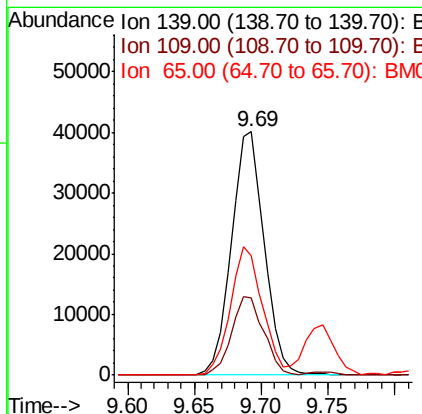
RT: 9.69 min Scan# 1140

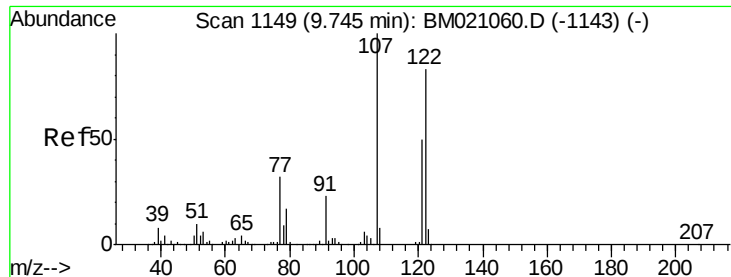
Delta R.T. 0.00 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Tgt Ion:	139	Resp:	68617
Ion Ratio	Lower	Upper	
139	100		
109	31.6	25.2	37.8
65	48.8	37.4	56.0





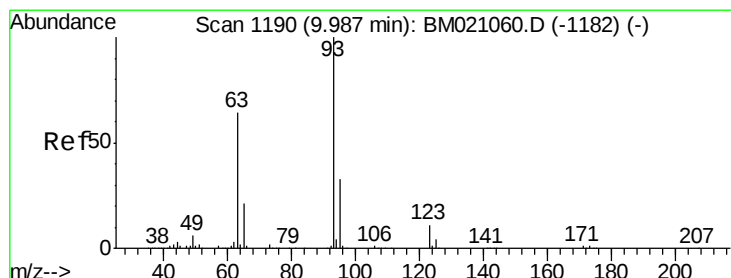
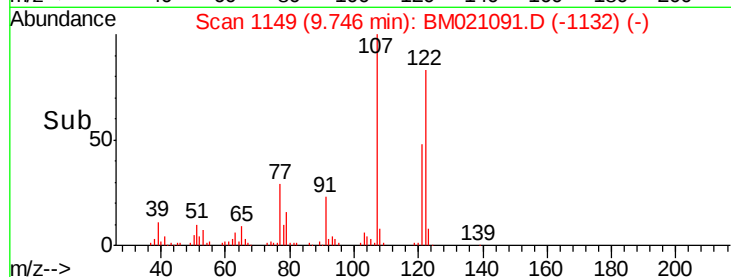
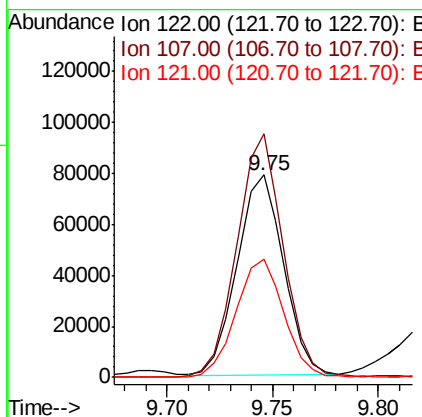
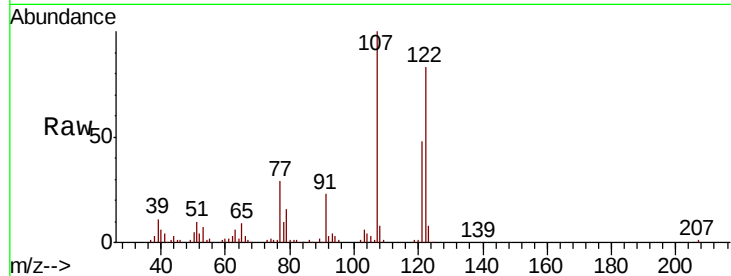
#27
2,4-Dimethylphenol
Concen: 8.361 ng
RT: 9.75 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
122	100		
107	120.3	95.3	142.9
121	58.3	47.5	71.3

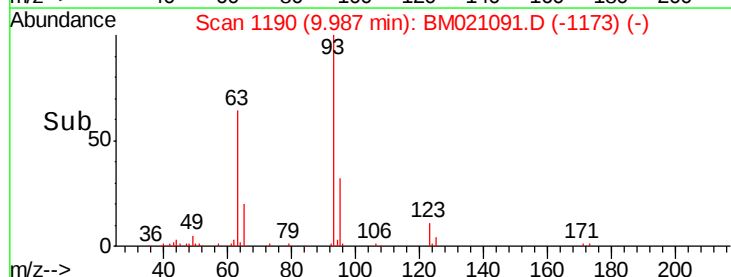
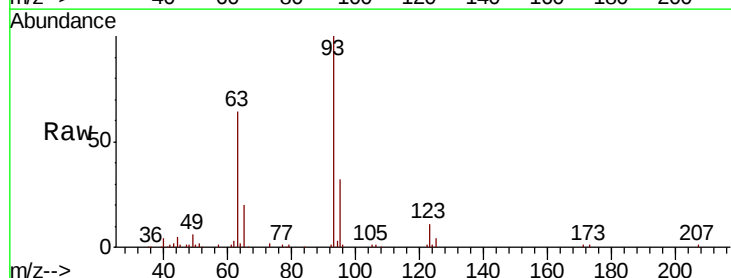
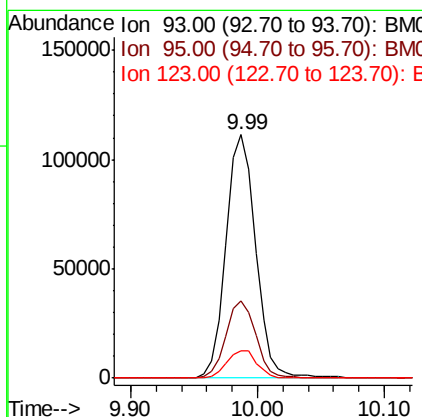
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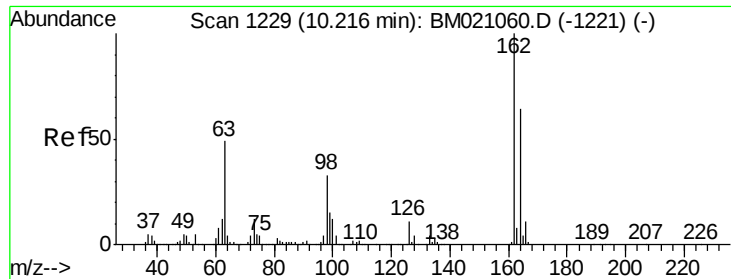
mohammad
6/26/2019 1:57:27 PM



#28
bis(2-Chloroethoxy)methane
Concen: 7.596 ng
RT: 9.99 min Scan# 1190
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.8	26.2	39.2
123	11.0	9.0	13.4





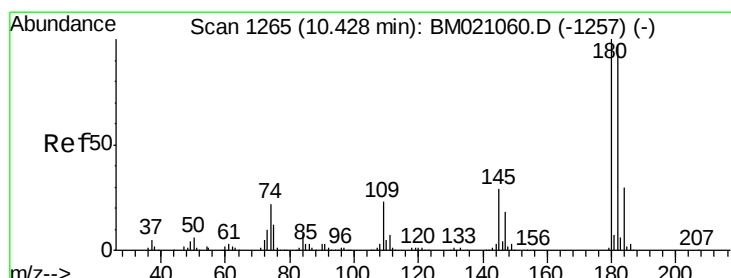
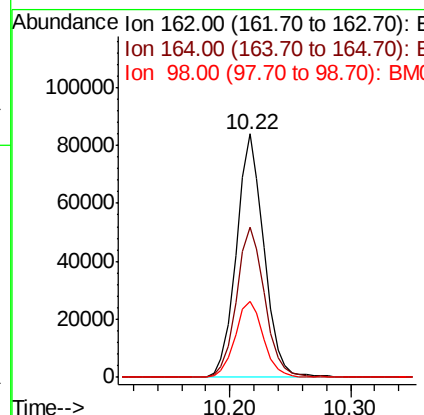
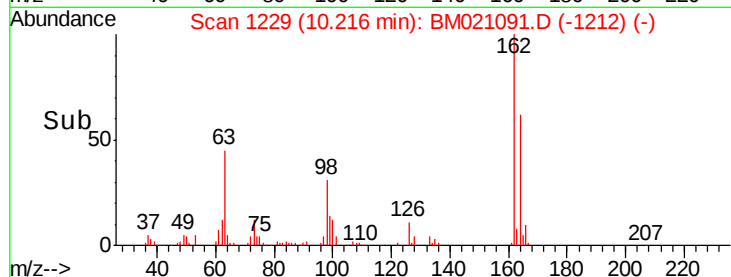
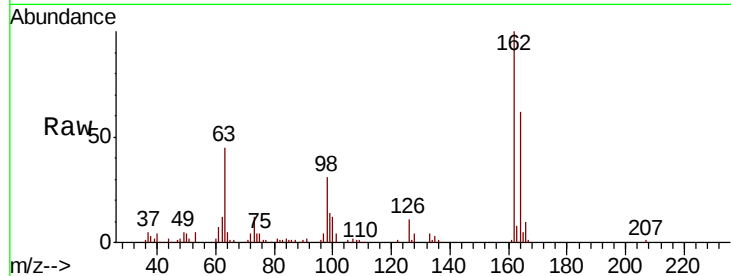
#29
2,4-Dichlorophenol
Concen: 7.151 ng
RT: 10.22 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
162	100		
164	61.7	43.7	83.7
98	31.1	13.4	53.4

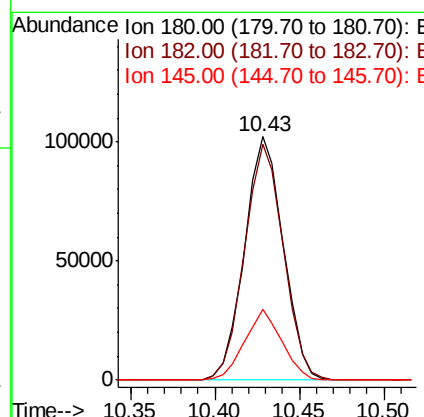
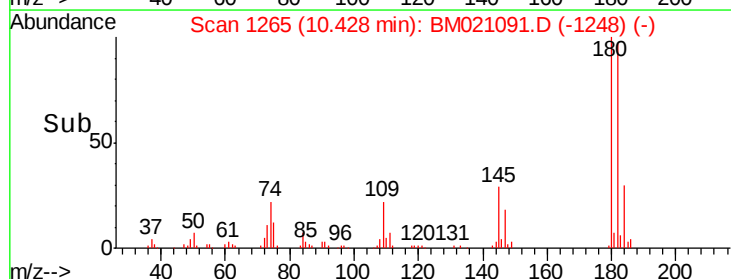
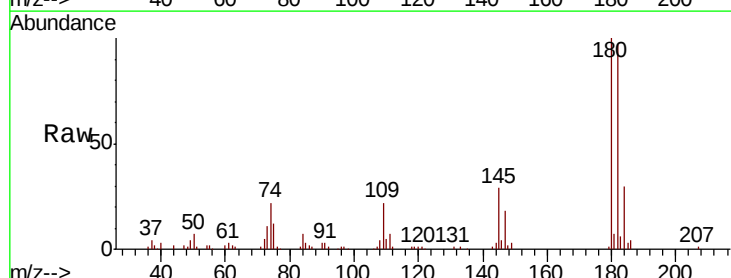
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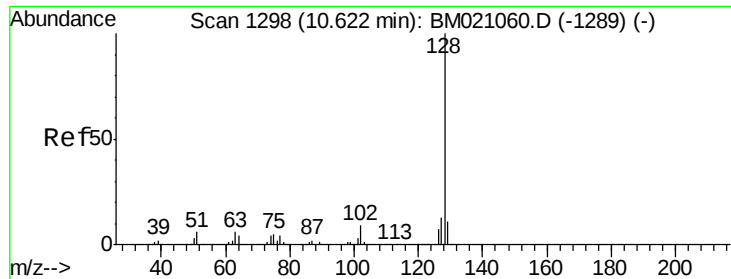
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 7.426 ng
RT: 10.43 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	78.0	117.0
145	29.0	23.4	35.0





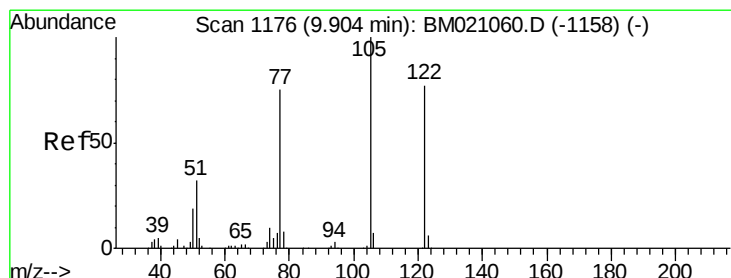
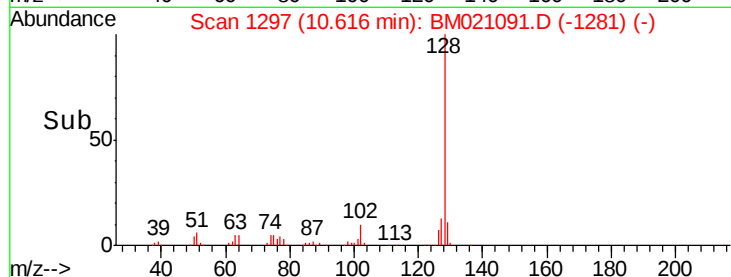
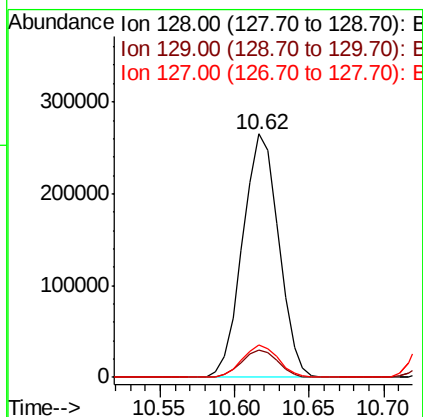
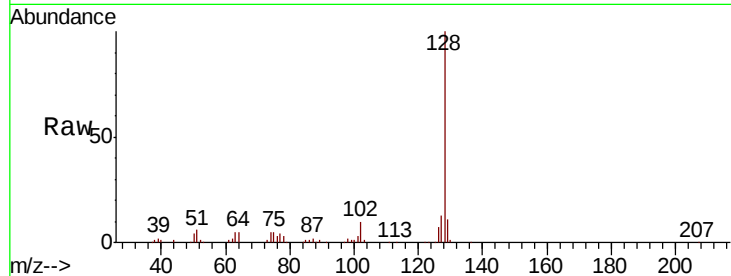
#31
Naphthalene
Concen: 7.898 ng
RT: 10.62 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	13.4	10.8	16.2

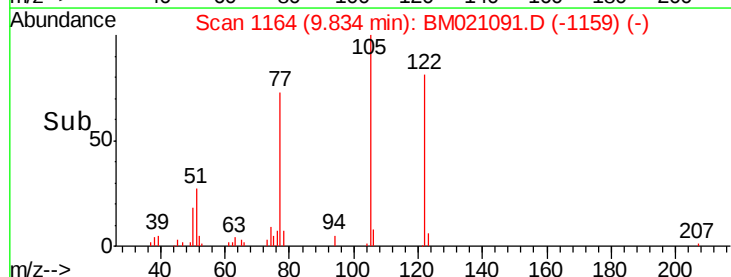
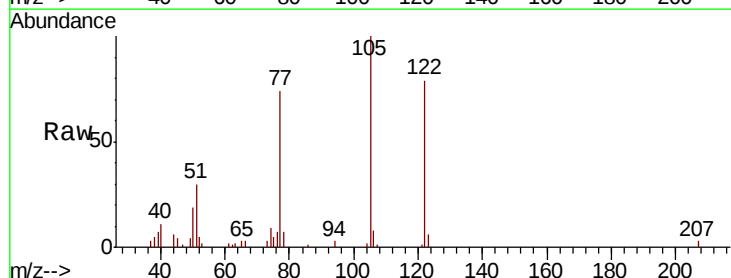
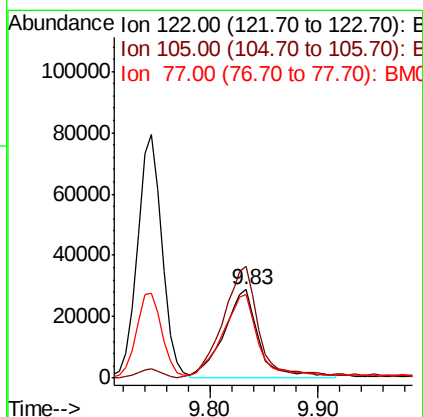
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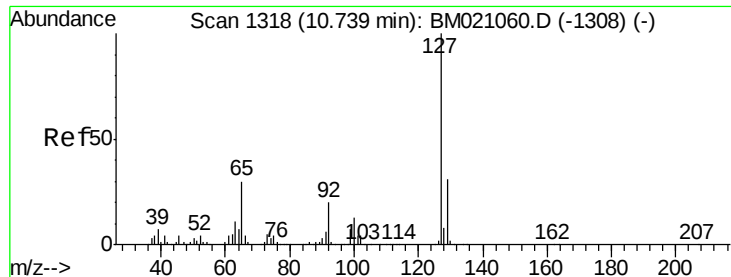
mohammad
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#32
Benzoic acid
Concen: 5.736 ng m
RT: 9.83 min Scan# 1164
Delta R.T. -0.07 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Lower	Upper
122	100		
105	126.1	108.9	148.9
77	94.0	76.7	116.7





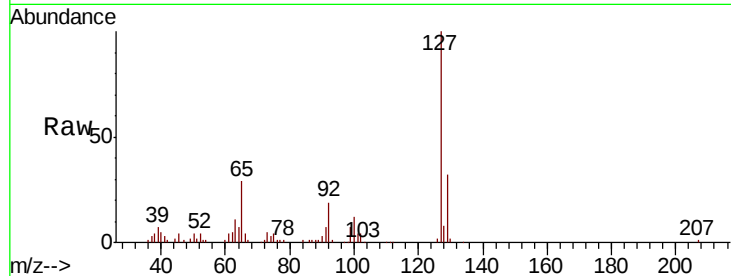
#33
4-Chloroaniline
Concen: 7.124 ng
RT: 10.74 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.1	37.7
65	29.3	23.8	35.8
92	19.5	15.7	23.5

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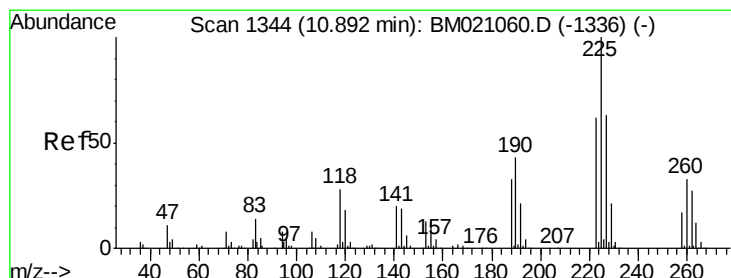
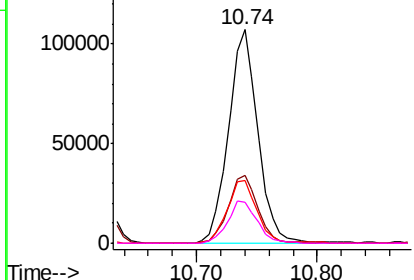
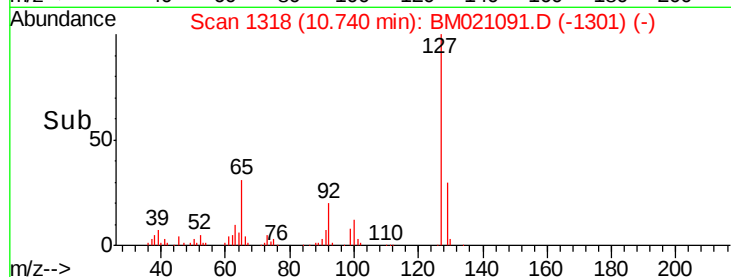
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

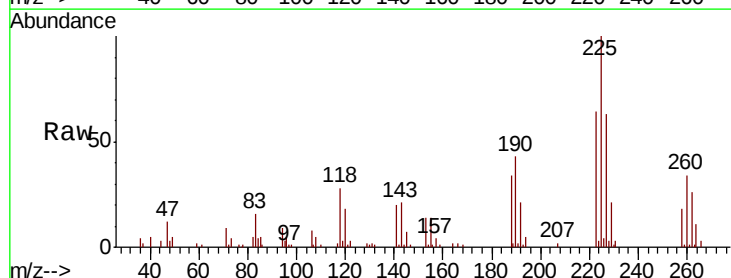
Ion 65.00 (64.70 to 65.70): BM

Ion 92.00 (91.70 to 92.70): BM



#34
Hexachlorobutadiene
Concen: 7.148 ng
RT: 10.89 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	49.6	74.4
227	62.7	50.4	75.6

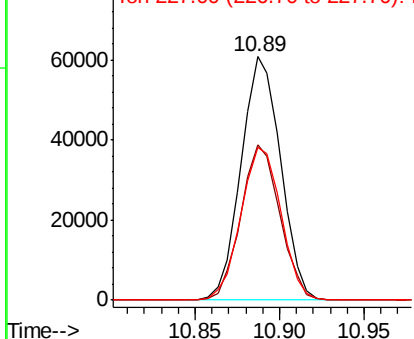
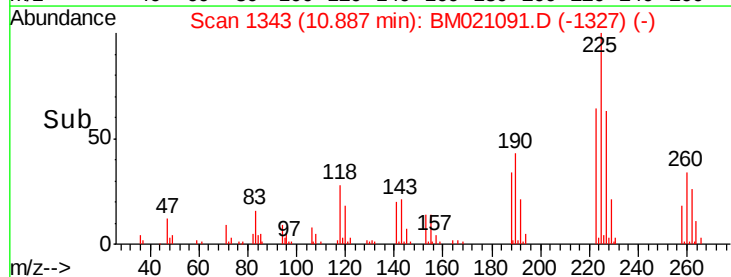


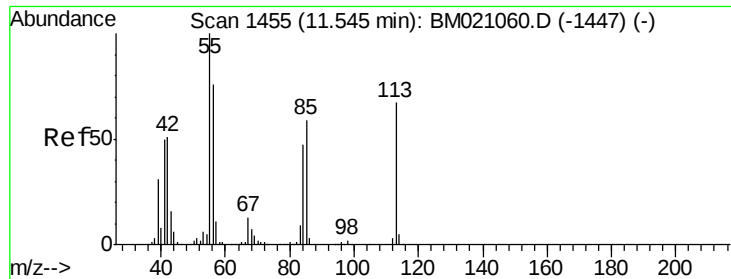
Abundance

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: 6.213 ng

RT: 11.53 min Scan# 1452

Delta R.T. -0.02 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:113 Resp: 36270

Ion Ratio Lower Upper

113 100

55 142.4 129.8 169.8

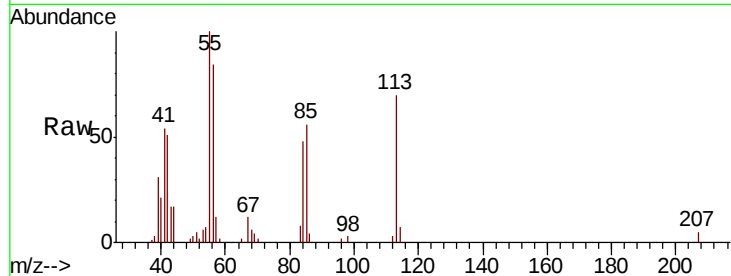
56 120.0 94.3 134.3

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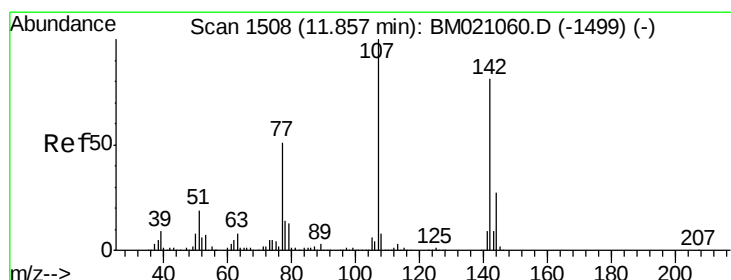
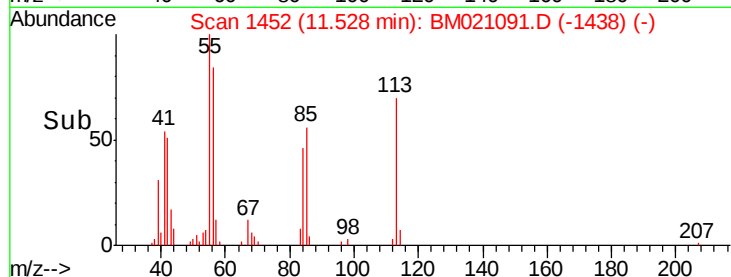
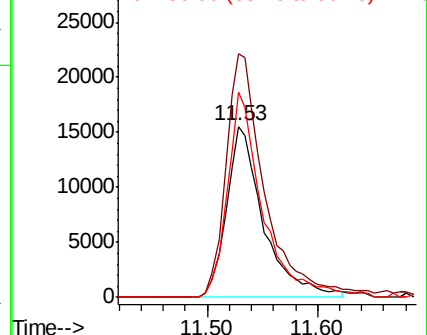
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM



#36

4-Chloro-3-methylphenol

Concen: 7.262 ng

RT: 11.86 min Scan# 1508

Delta R.T. 0.00 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

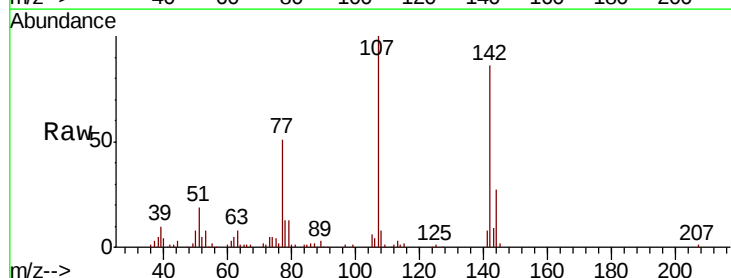
Tgt Ion:107 Resp: 137921

Ion Ratio Lower Upper

107 100

144 26.7 21.3 31.9

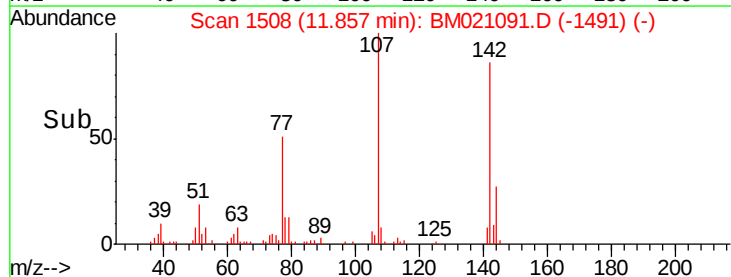
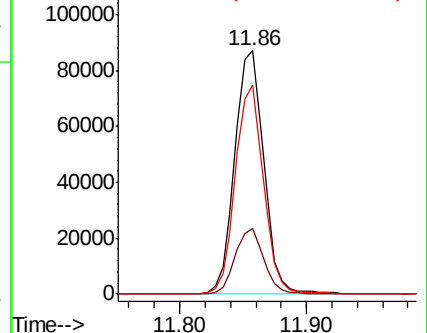
142 86.0 64.9 97.3

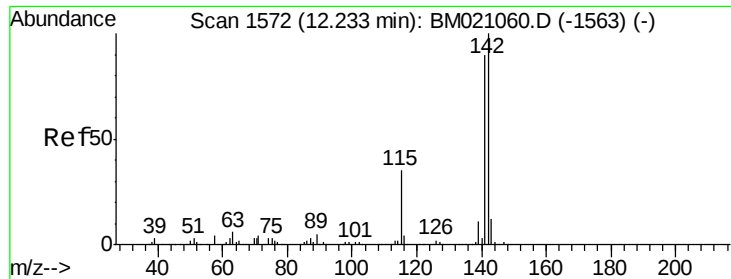


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





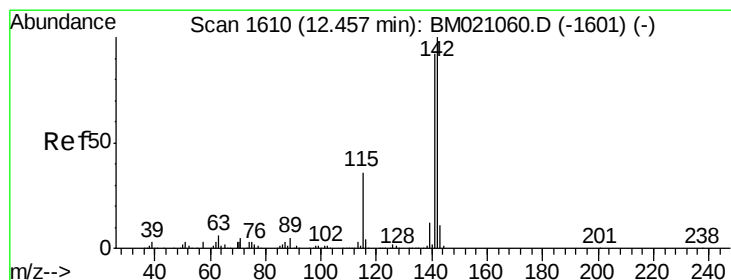
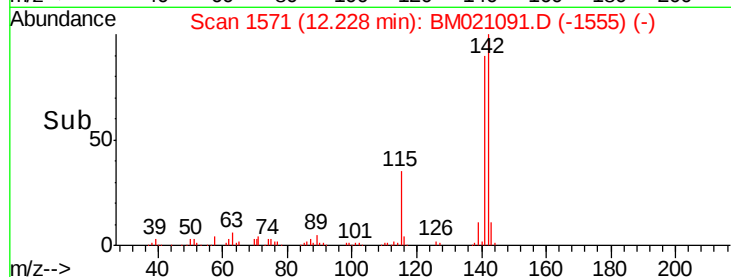
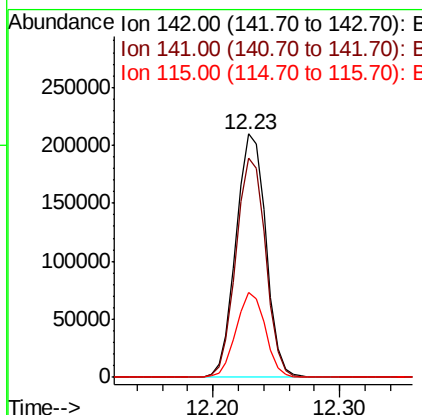
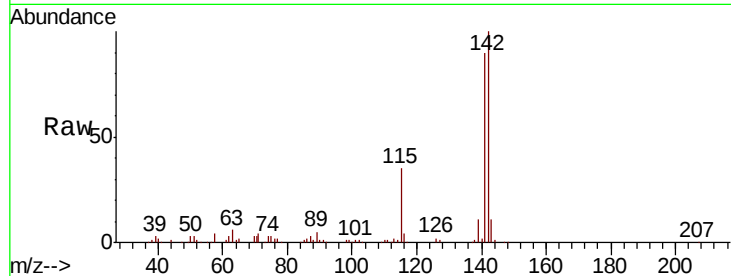
#37
2-Methylnaphthalene
Concen: 7.927 ng
RT: 12.23 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.0	72.2	108.2
115	34.8	27.9	41.9

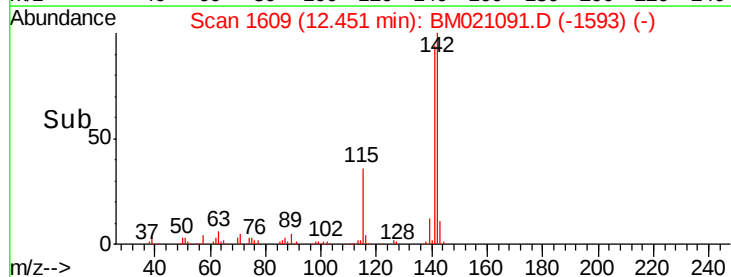
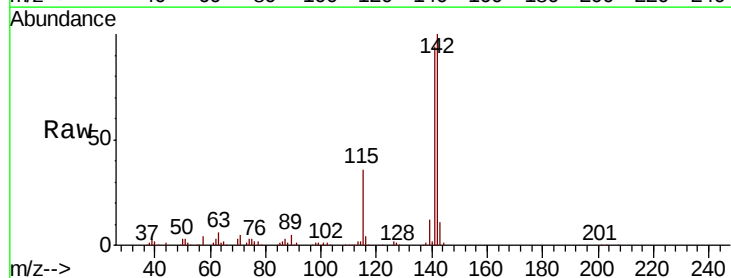
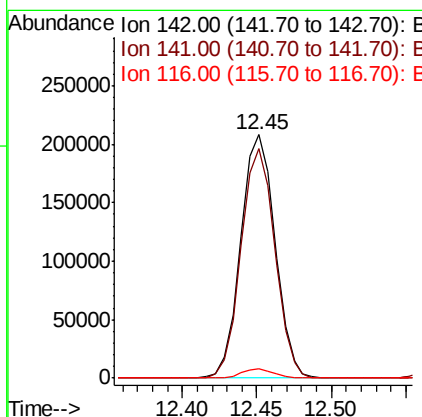
Manual Integrations
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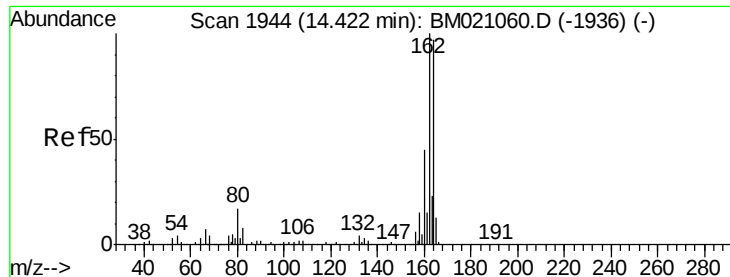
mohammad
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#38
1-Methylnaphthalene
Concen: 8.023 ng
RT: 12.45 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.4	73.9	110.9
116	4.0	3.0	4.6





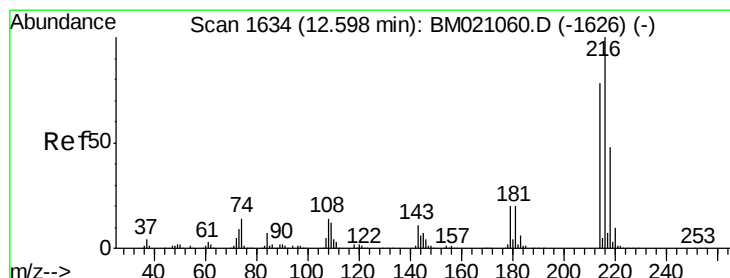
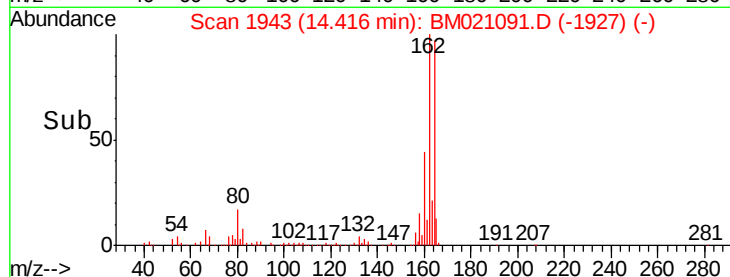
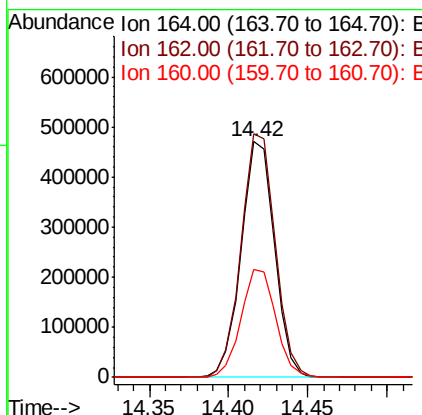
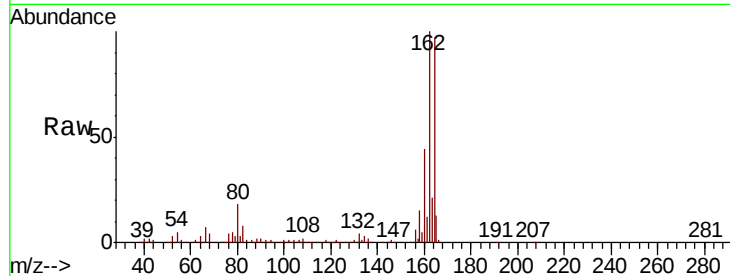
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.42 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.1	123.1
160	45.7	37.1	55.7

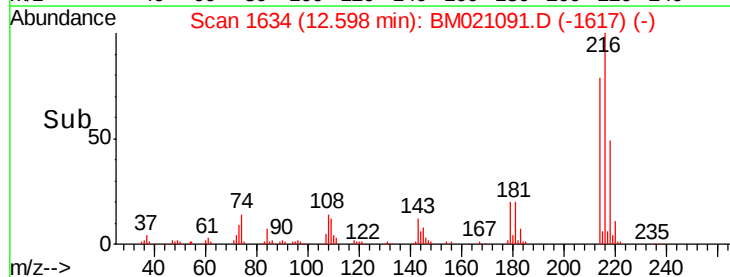
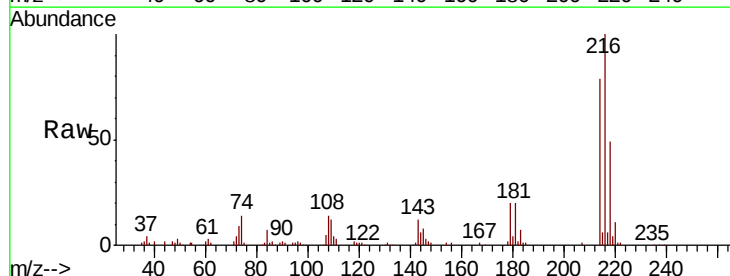
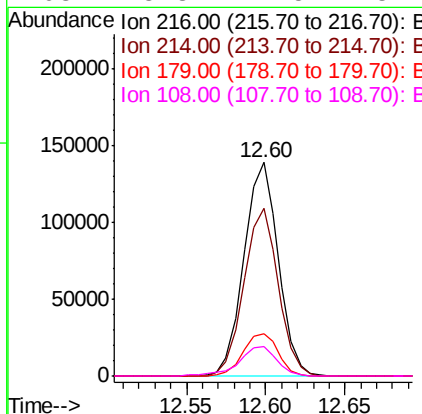
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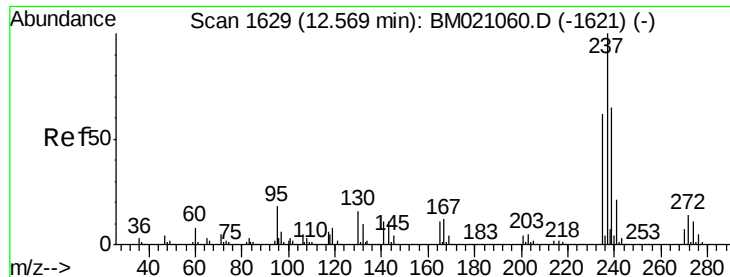
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.047 ng
RT: 12.60 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.0	94.6
179	20.4	16.4	24.6
108	15.3	12.5	18.7





#41

Hexachlorocyclopentadiene

Concen: 6.041 ng

RT: 12.57 min Scan# 1629

Delta R.T. 0.00 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Instrument :

BNA_M

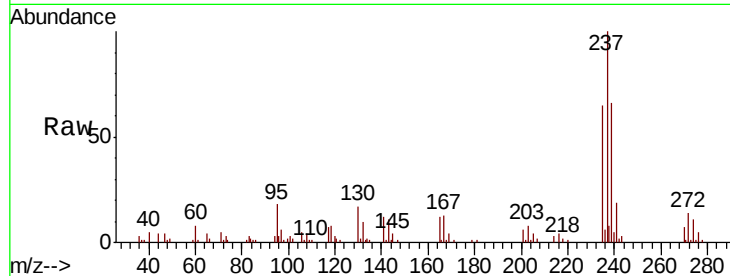
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

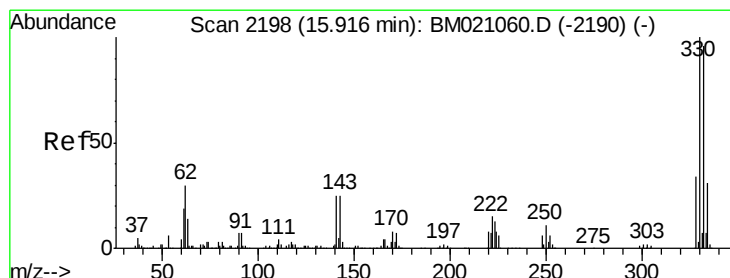
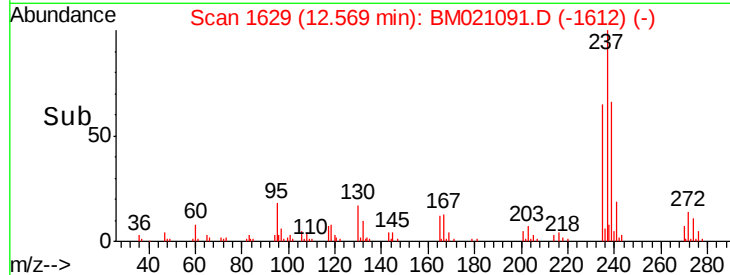
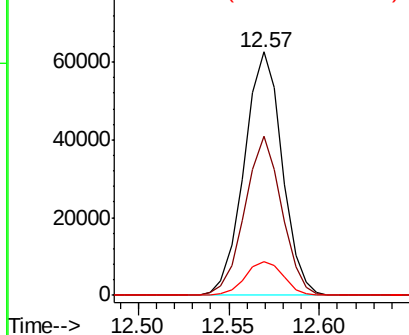
Tot Ion:	237	Resp:	91088
Ion Ratio	Lower	Upper	
237	100		
235	65.4	41.7	81.7
272	13.8	0.0	34.1

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



#42

2,4,6-Tribromophenol

Concen: 127.746 ng

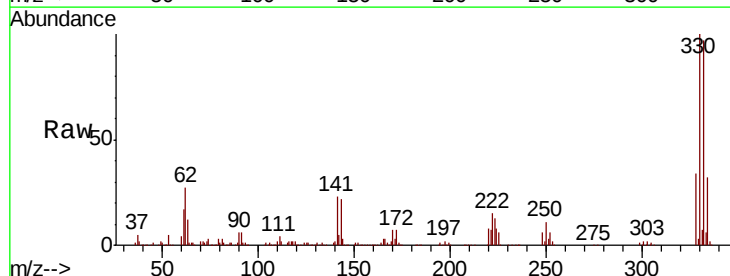
RT: 15.92 min Scan# 2198

Delta R.T. 0.00 min

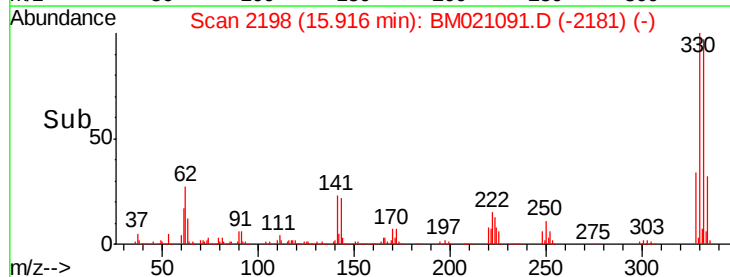
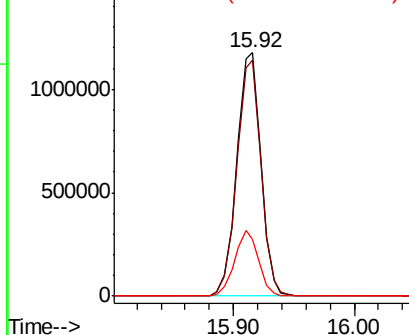
Lab File: BM021091.D

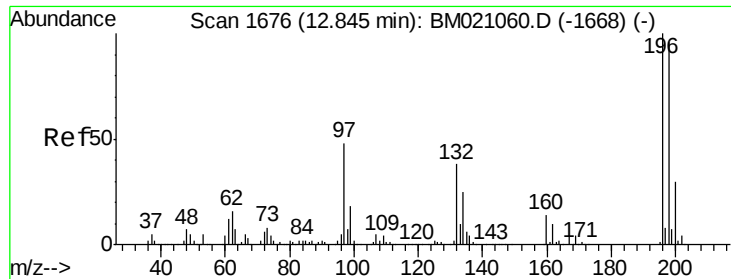
Acq: 22 Jun 2019 08:58

Tgt Ion:	330	Resp:	1647283
Ion Ratio	Lower	Upper	
330	100		
332	96.7	77.1	115.7
141	26.5	21.8	32.8



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





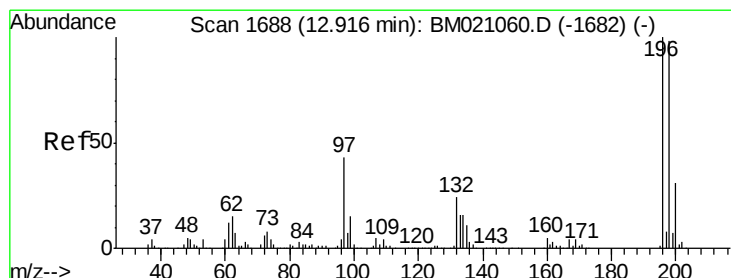
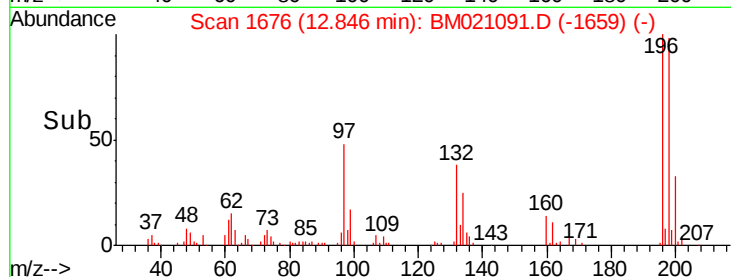
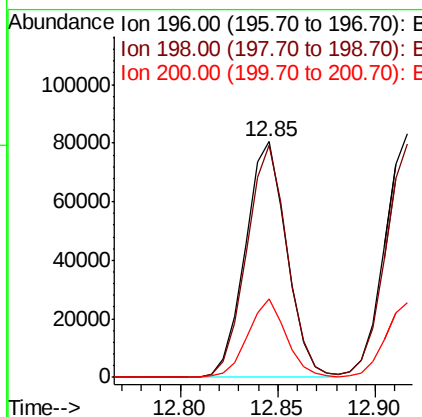
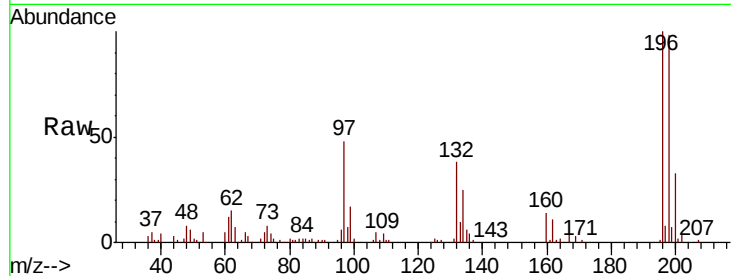
#43
 2,4,6-Trichlorophenol
 Concen: 6.900 ng
 RT: 12.85 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: BM021091.D
 Acq: 22 Jun 2019 08:58

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
196	100	118752		
198	98.4	76.7	115.1	
200	33.2	24.2	36.4	

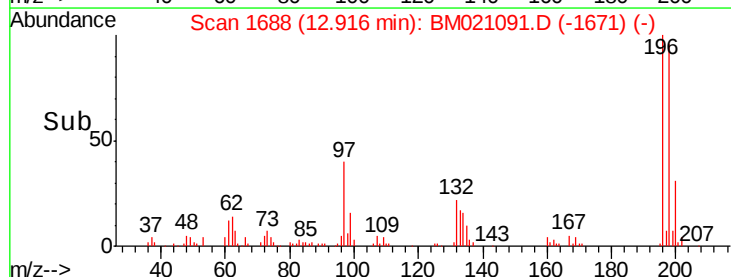
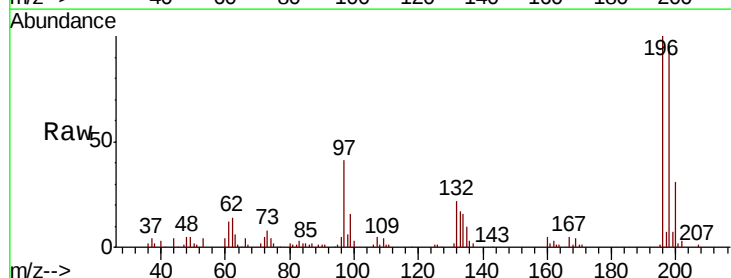
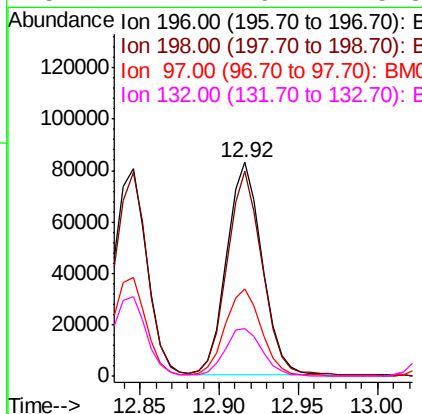
Manual Integrations
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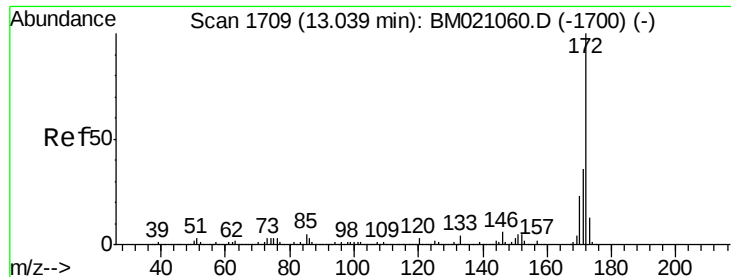
mohammad
 6/26/2019 1:57:27 PM



#44
 2,4,5-Trichlorophenol
 Concen: 7.148 ng
 RT: 12.92 min Scan# 1688
 Delta R.T. 0.00 min
 Lab File: BM021091.D
 Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	127396		
198	96.0	78.2	117.4	
97	40.7	34.1	51.1	
132	22.4	19.2	28.8	





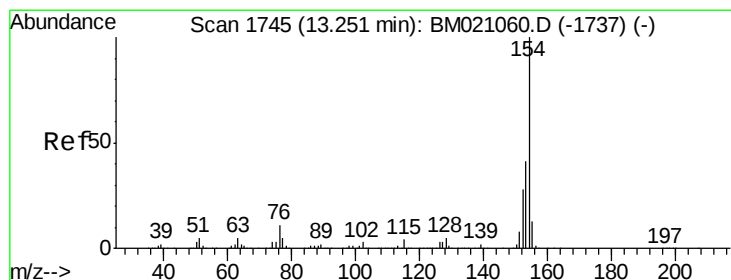
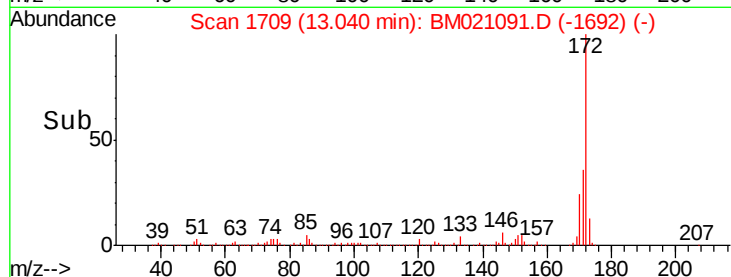
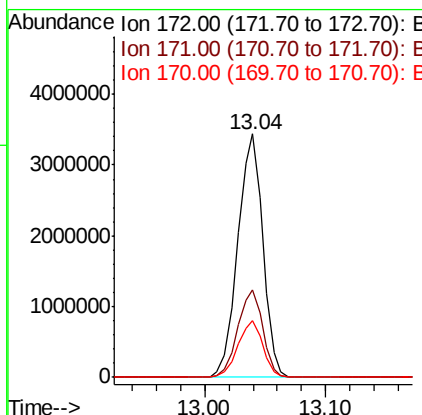
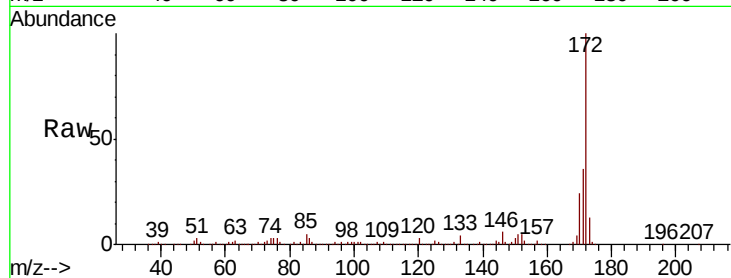
#45
2-Fluorobiphenyl
Concen: 88.870 ng
RT: 13.04 min Scan# 1709
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	23.5	18.7	28.1

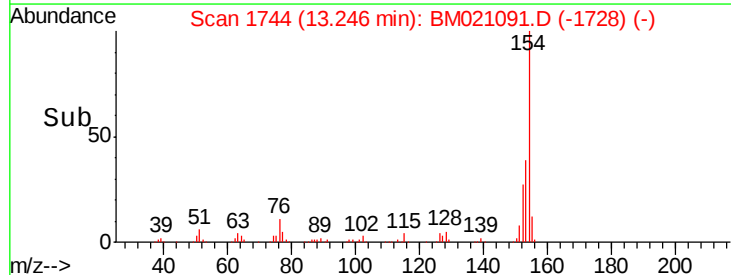
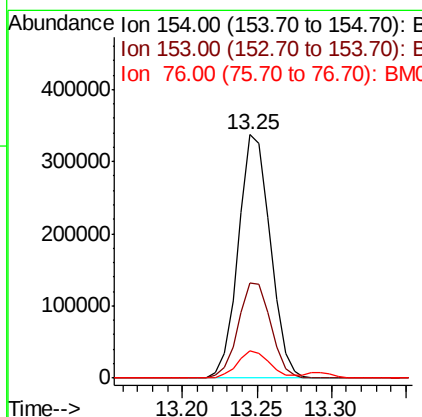
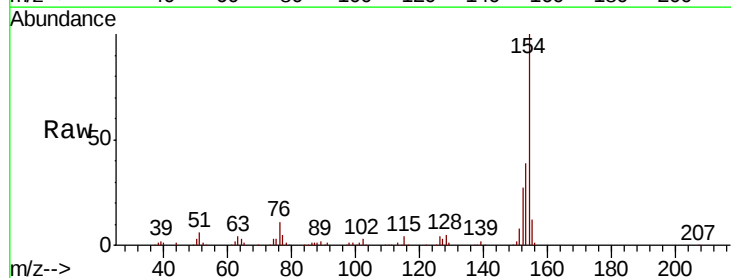
Manual Integrations
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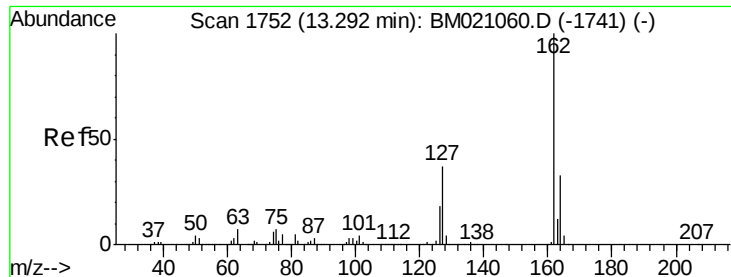
mohammad
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#46
1,1'-Biphenyl
Concen: 8.515 ng
RT: 13.25 min Scan# 1744
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.3	21.3	61.3
76	11.4	0.0	30.9





#47

2-Chloronaphthalene

Concen: 7.625 ng

RT: 13.29 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Instrument :

BNA_M

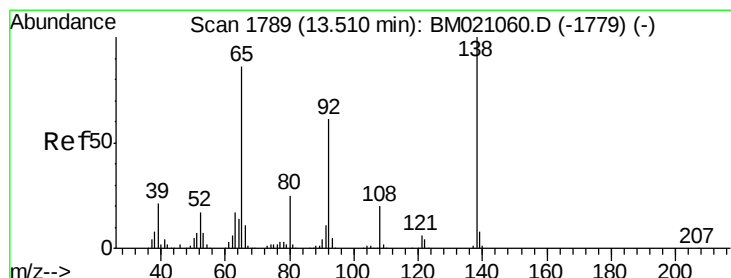
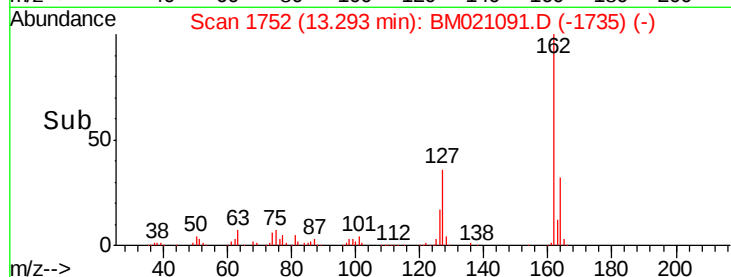
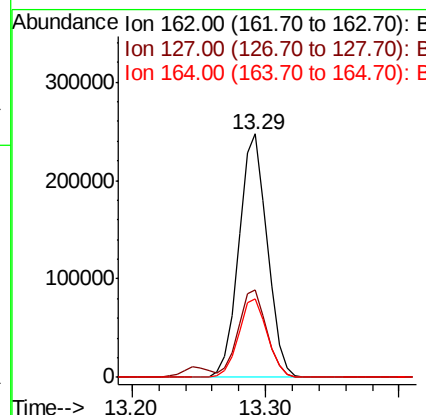
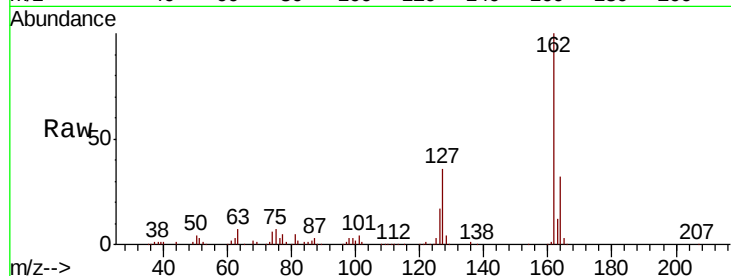
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	162	Resp:	364246
Ion Ratio	Lower	Upper	
162	100		
127	36.1	29.4	44.2
164	32.3	26.5	39.7

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#48

2-Nitroaniline

Concen: 6.192 ng

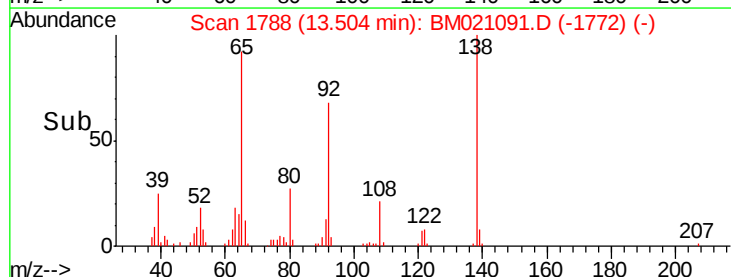
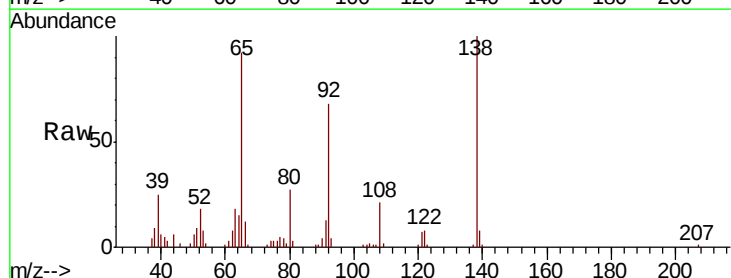
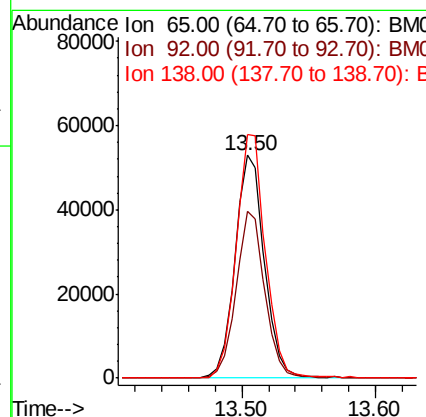
RT: 13.50 min Scan# 1788

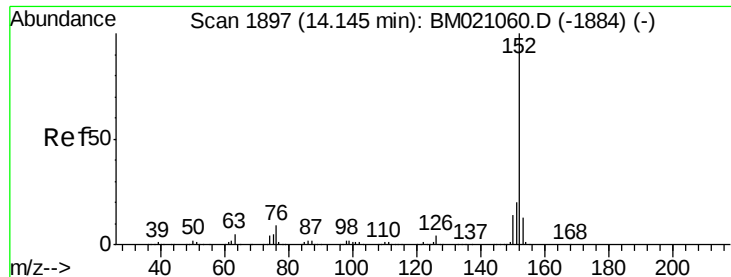
Delta R.T. -0.01 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Tgt Ion:	65	Resp:	80922
Ion Ratio	Lower	Upper	
65	100		
92	74.6	56.3	84.5
138	109.2	92.6	139.0





#49

Acenaphthylene

Concen: 7.822 ng

RT: 14.14 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Instrument :

BNA_M

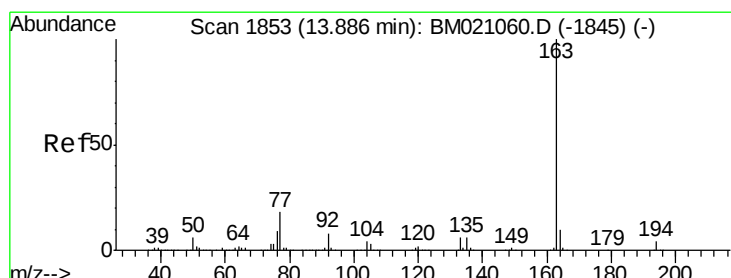
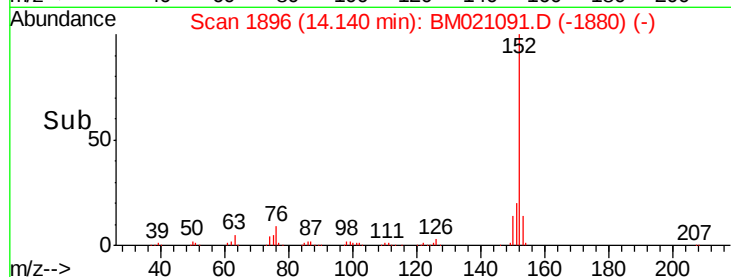
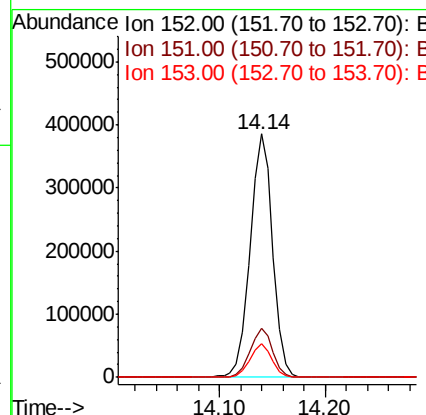
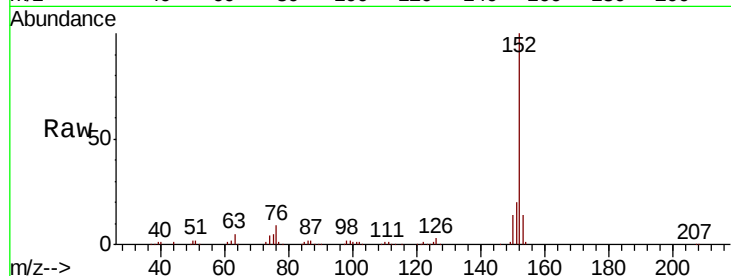
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	152	Resp:	568647
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.1	24.1
153	13.6	10.6	16.0

Manual Integrations
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#50

Dimethylphthalate

Concen: 7.496 ng

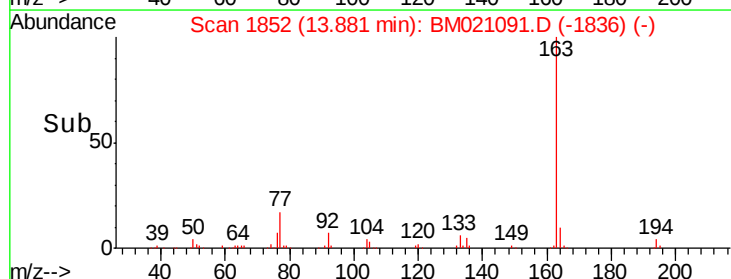
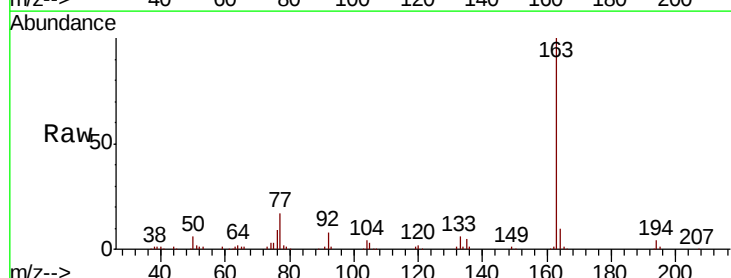
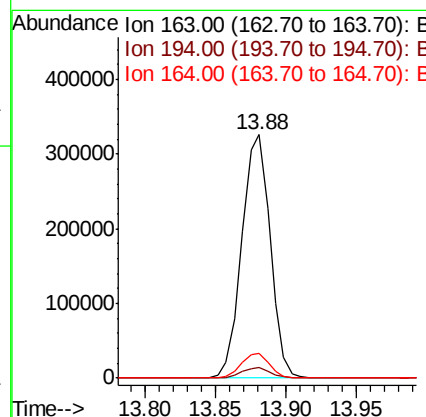
RT: 13.88 min Scan# 1852

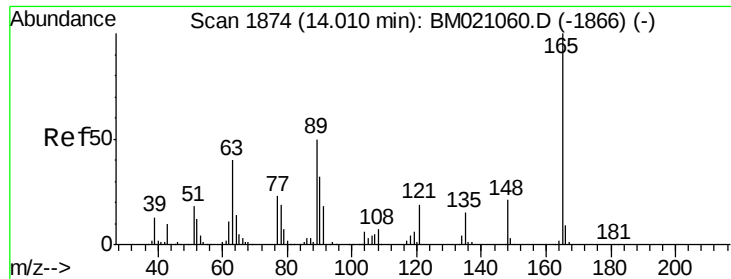
Delta R.T. -0.01 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Tgt Ion:	163	Resp:	457969
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.4	5.2
164	9.9	8.2	12.2





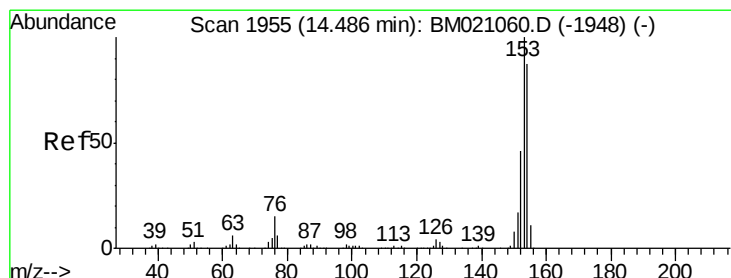
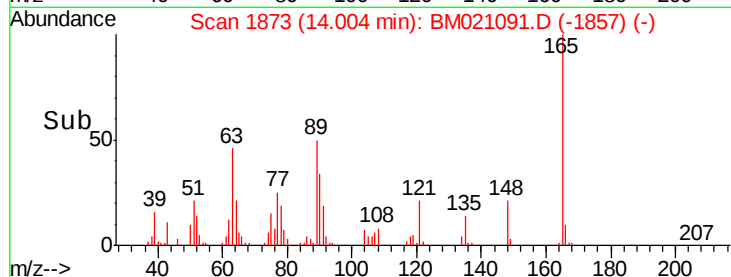
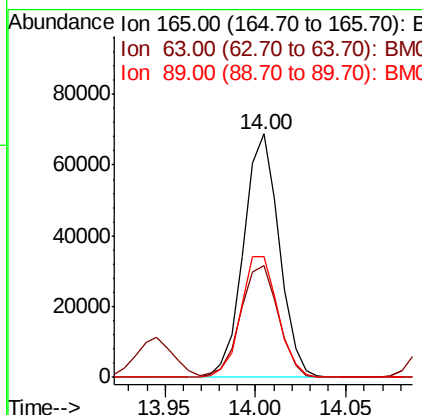
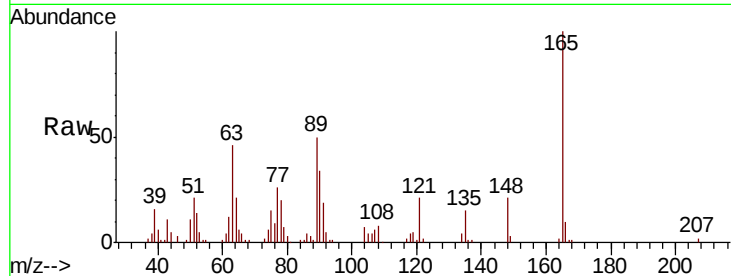
#51
 2,6-Dinitrotoluene
 Concen: 7.142 ng
 RT: 14.00 min Scan# 1873
 Delta R.T. -0.01 min
 Lab File: BM021091.D
 Acq: 22 Jun 2019 08:58

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
165	100	93876		
63	46.1		37.8	56.6
89	49.8		39.7	59.5

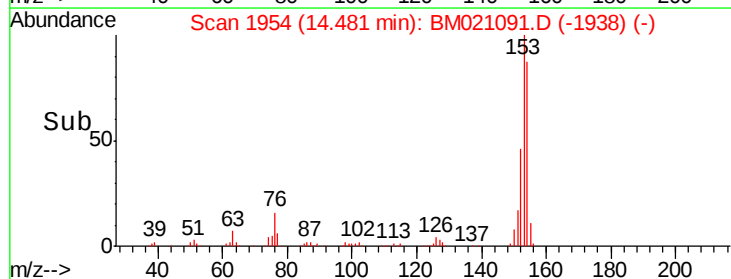
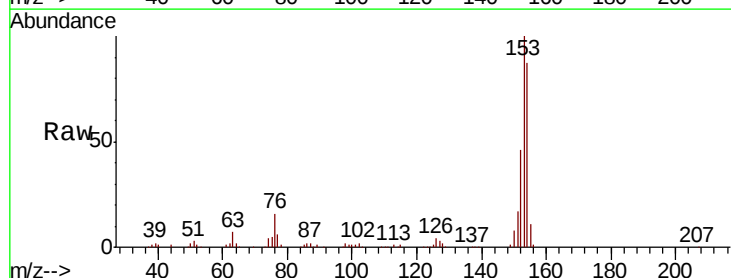
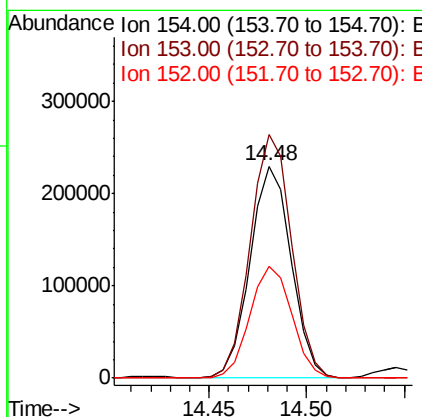
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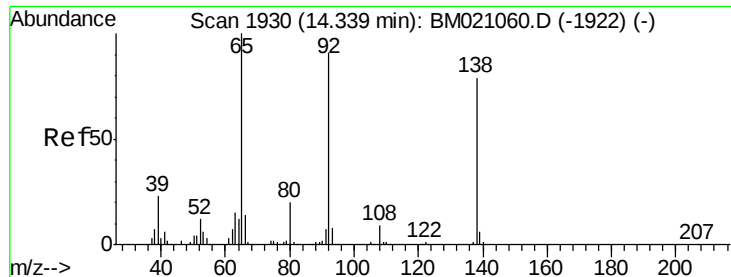
mohammad
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#52
 Acenaphthene
 Concen: 7.668 ng
 RT: 14.48 min Scan# 1954
 Delta R.T. -0.01 min
 Lab File: BM021091.D
 Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	336300		
153	115.0		91.5	137.3
152	53.1		42.3	63.5





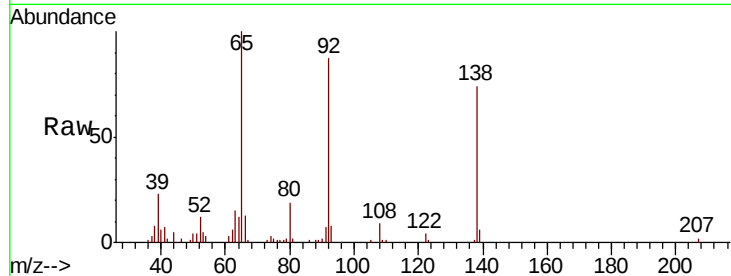
#53
3-Nitroaniline
Concen: 6.213 ng
RT: 14.33 min Scan# 1929
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
138	100		
108	12.7	9.0	13.4
92	117.2	92.2	138.2

Manual Integrations
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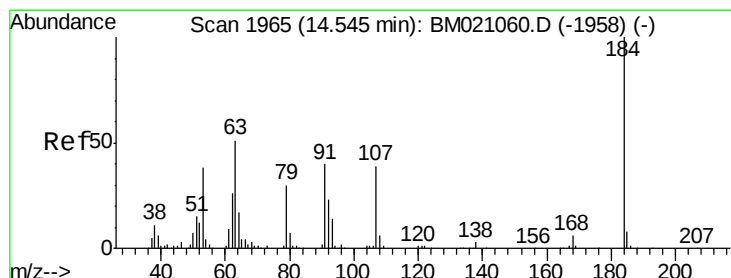
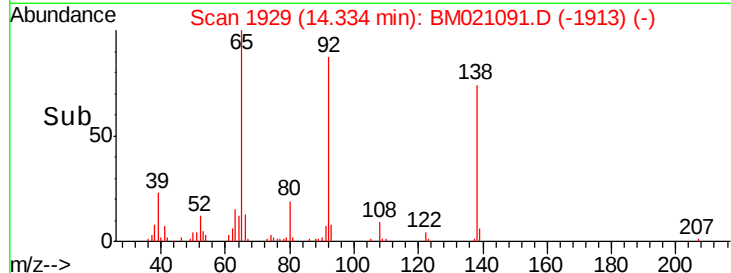
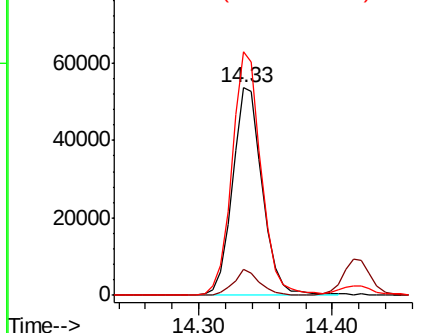


Abundance

Ion 138.00 (137.70 to 138.70): E

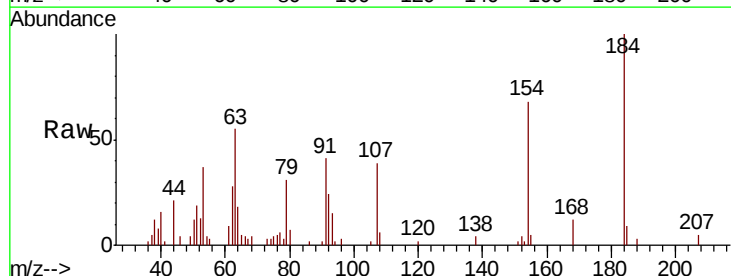
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM



#54
2,4-Dinitrophenol
Concen: 3.957 ng
RT: 14.55 min Scan# 1965
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Lower	Upper
184	100		
63	54.6	45.5	68.3
154	67.5	50.6	76.0

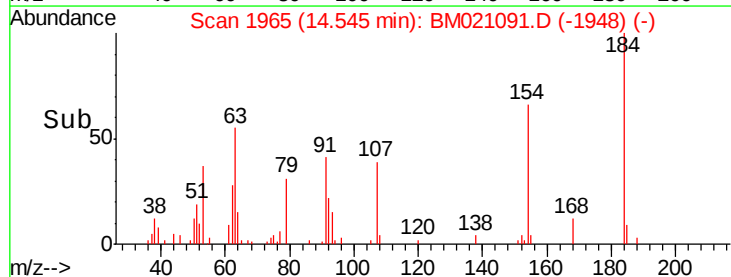
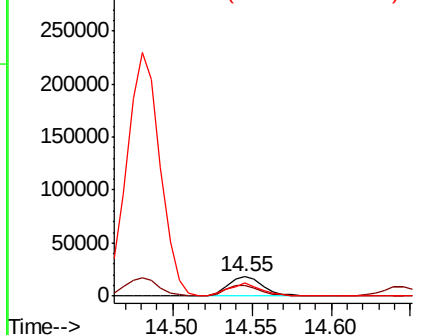


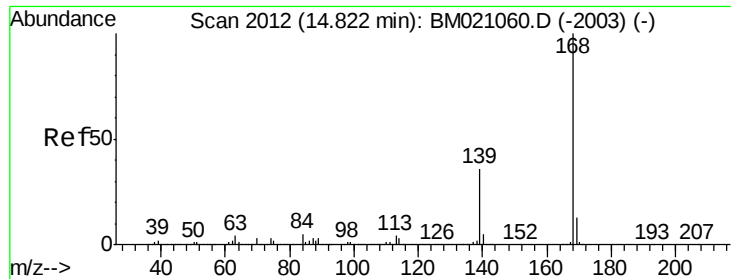
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 154.00 (153.70 to 154.70): E





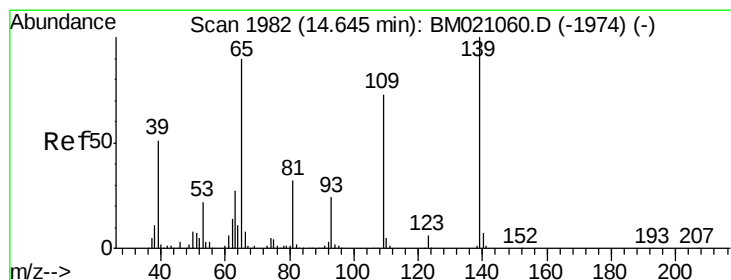
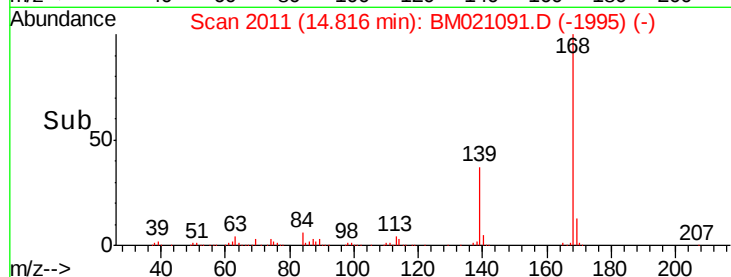
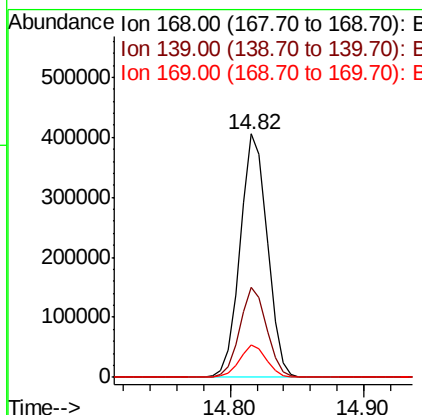
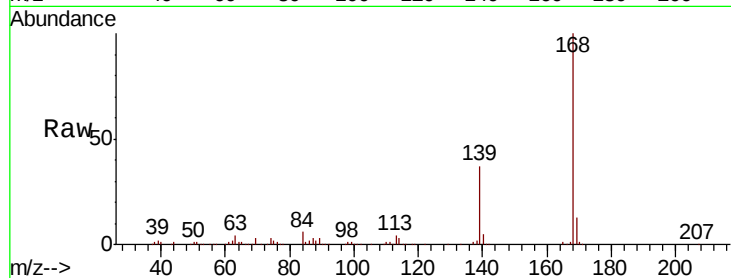
#55
Dibenzenofuran
Concen: 7.958 ng
RT: 14.82 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.0	28.4	42.6
169	13.1	10.6	16.0

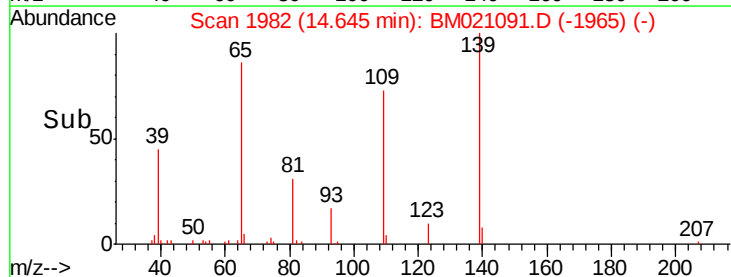
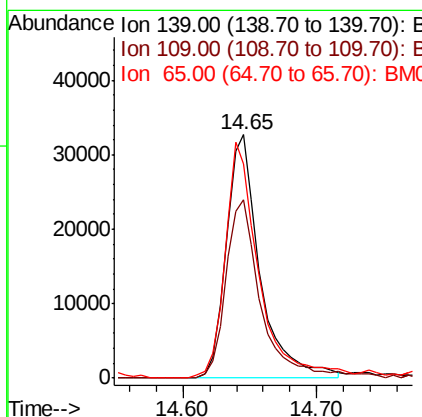
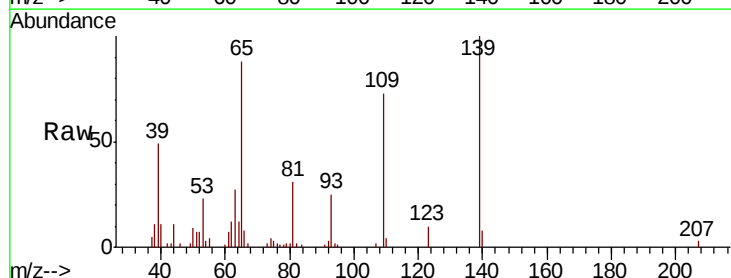
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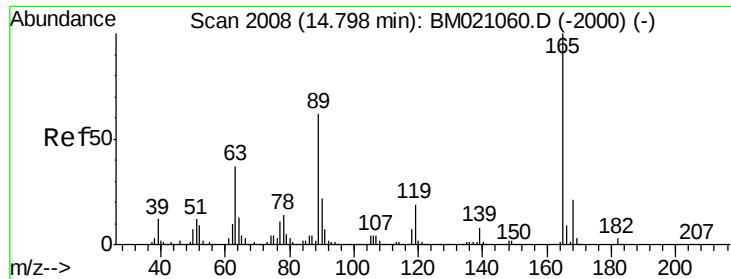
mohammad
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#56
4-Nitrophenol
Concen: 5.630 ng
RT: 14.65 min Scan# 1982
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Lower	Upper
139	100		
109	73.2	53.3	93.3
65	88.0	70.3	110.3





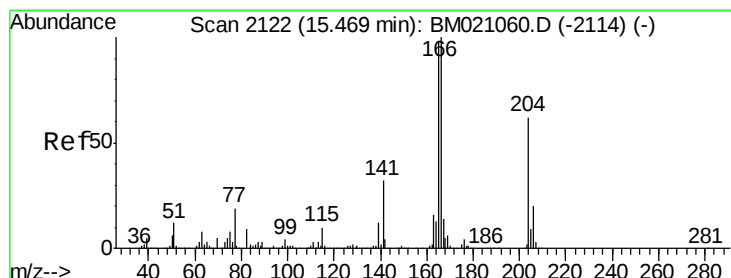
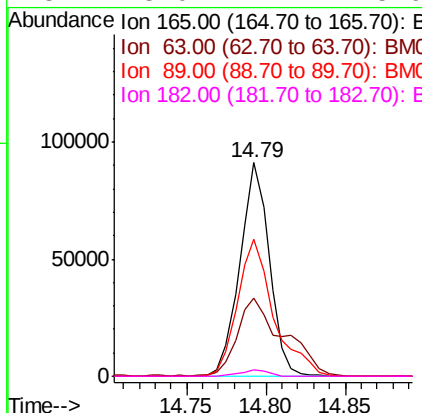
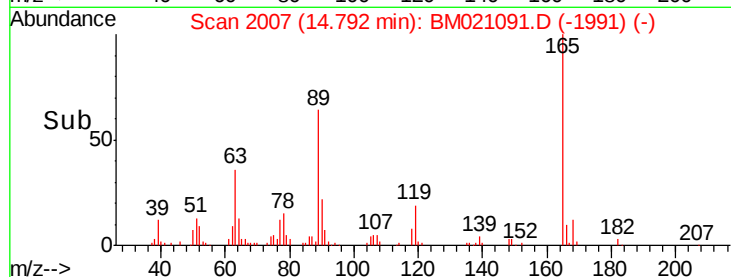
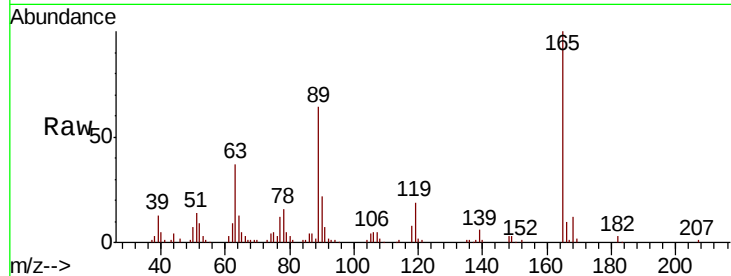
#57
2,4-Dinitrotoluene
Concen: 6.491 ng
RT: 14.79 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100				
63	36.7	29.6	44.4		
89	64.2	49.5	74.3		
182	3.0	2.4	3.6		

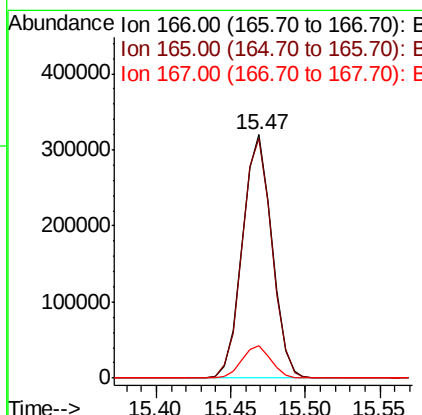
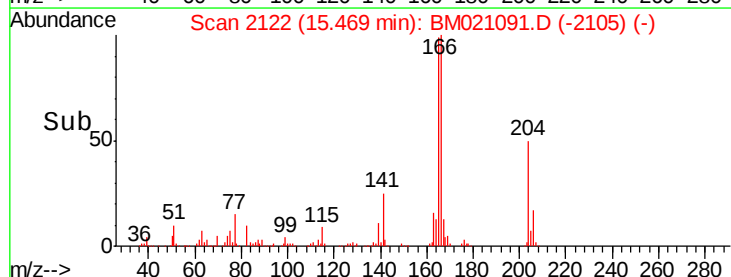
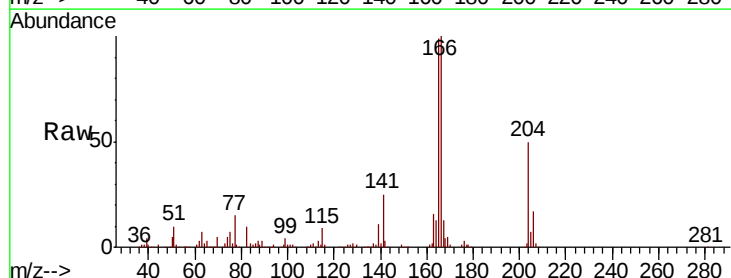
Manual Integrations
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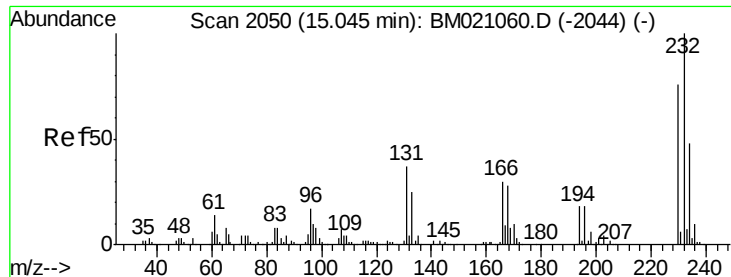
mohammad
6/26/2019 1:57:27 PM



#58
Fluorene
Concen: 7.468 ng
RT: 15.47 min Scan# 2122
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	98.6	78.6	117.8		
167	13.5	10.9	16.3		





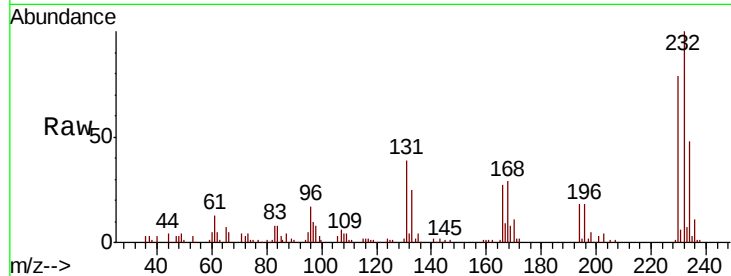
#59
2,3,4,6-Tetrachlorophenol
Concen: 7.078 ng
RT: 15.05 min Scan# 2050
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

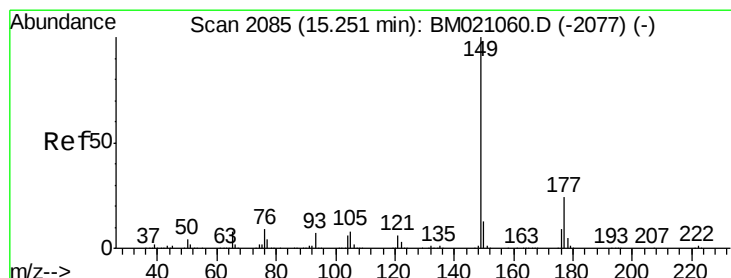
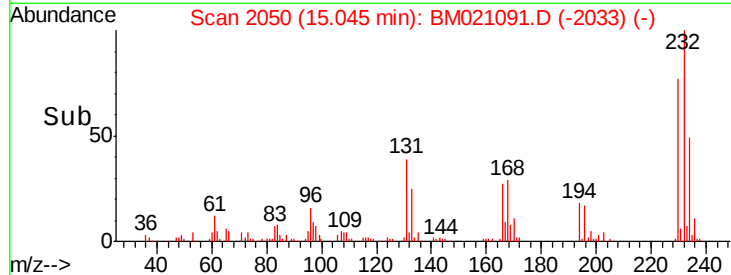
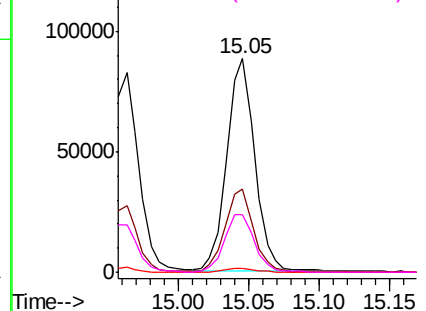
Tot Ion	Ratio	Resp	Lower	Upper
232	100	120529		
131	39.0		30.6	46.0
130	2.0		1.7	2.5
166	29.7		23.4	35.0

Manual Integrations
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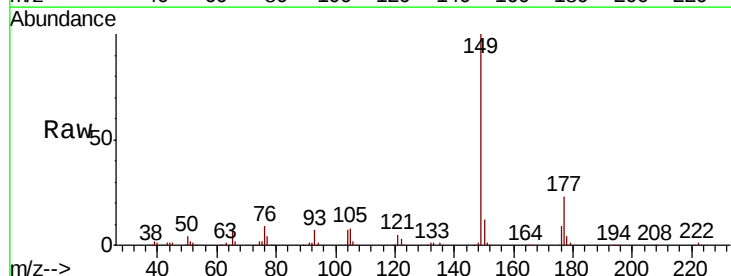


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

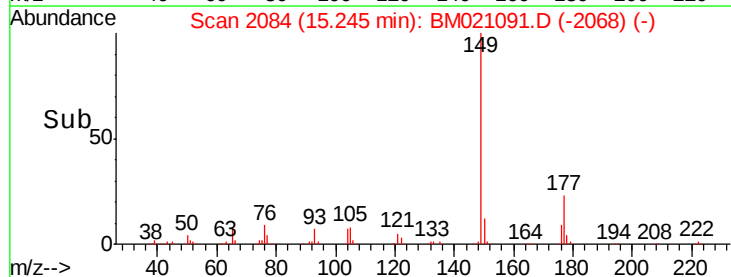
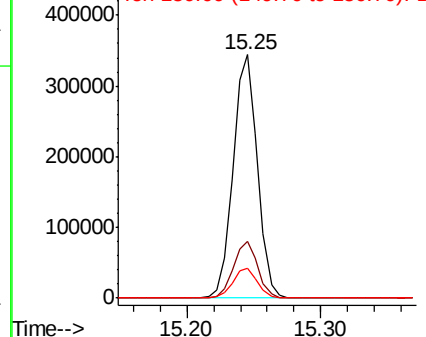


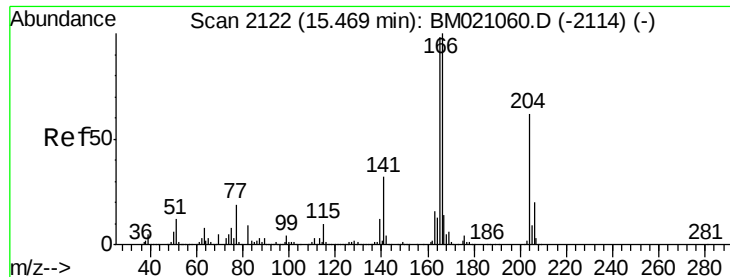
#60
Diethylphthalate
Concen: 7.267 ng
RT: 15.25 min Scan# 2084
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	437289		
177	23.4		19.1	28.7
150	12.4		10.1	15.1



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





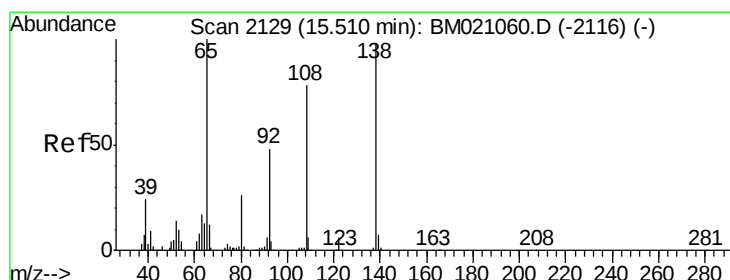
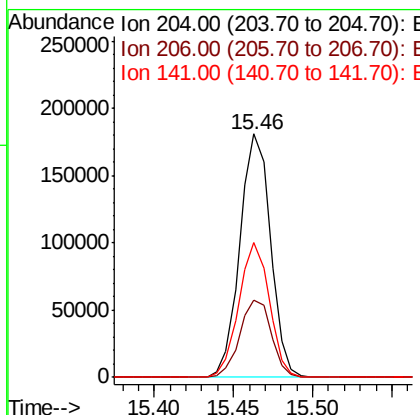
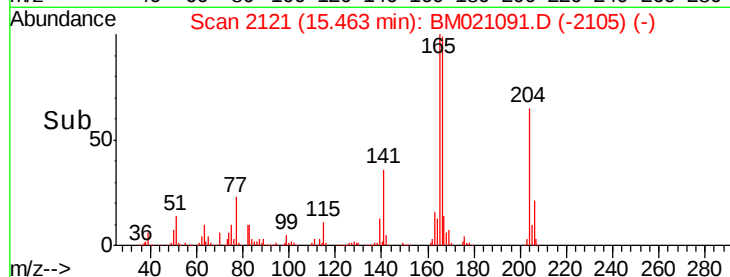
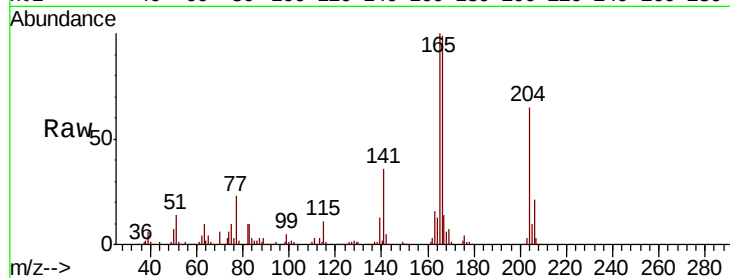
#61
4-Chlorophenyl-phenylether
Concen: 7.376 ng
RT: 15.46 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
204	100	243611		
206	31.6	26.1	39.1	
141	55.4	40.7	61.1	

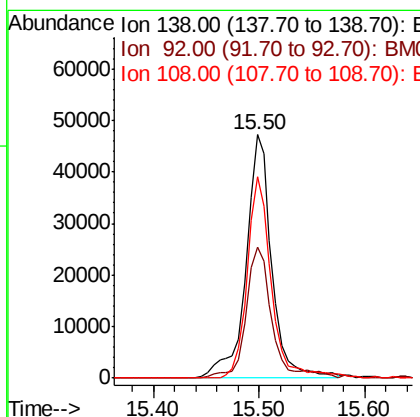
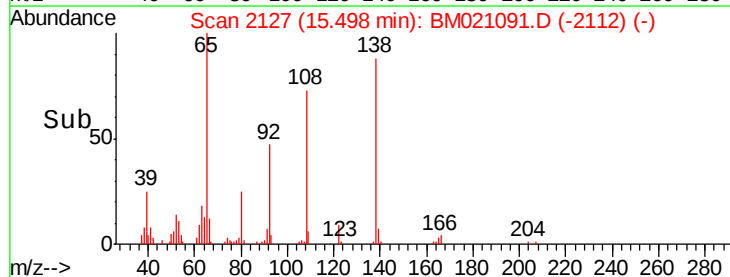
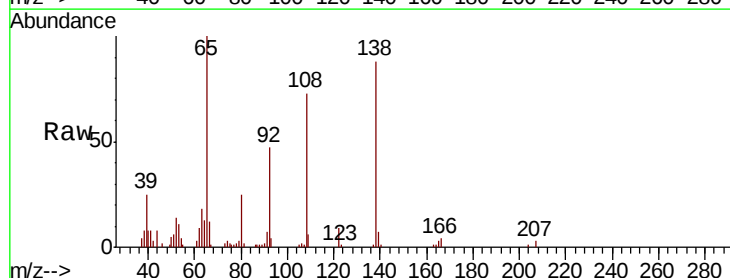
Manual Integrations
APPROVED

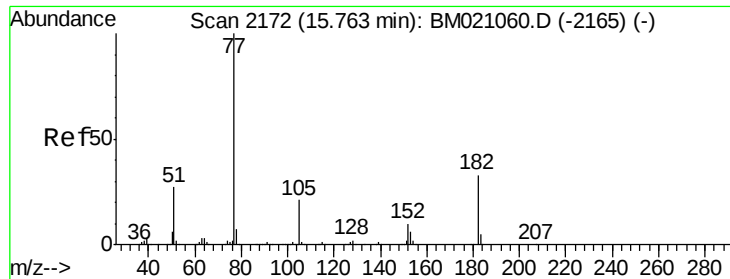
mohammad
6/26/2019 1:57:27 PM



#62
4-Nitroaniline
Concen: 5.720 ng
RT: 15.50 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	80453		
92	53.7	29.1	69.1	
108	82.9	59.2	99.2	





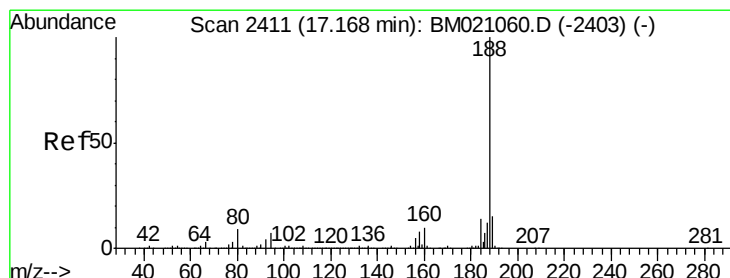
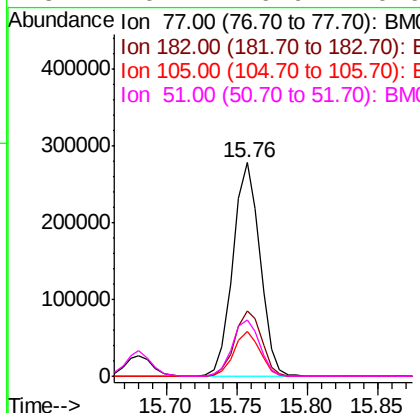
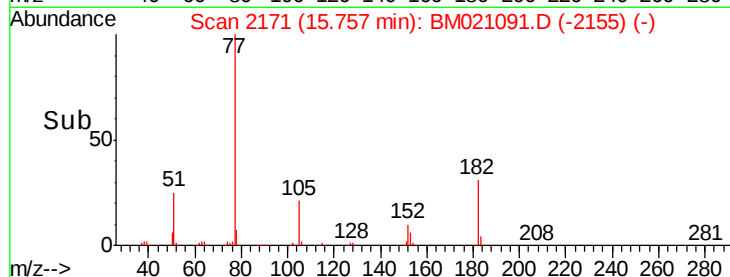
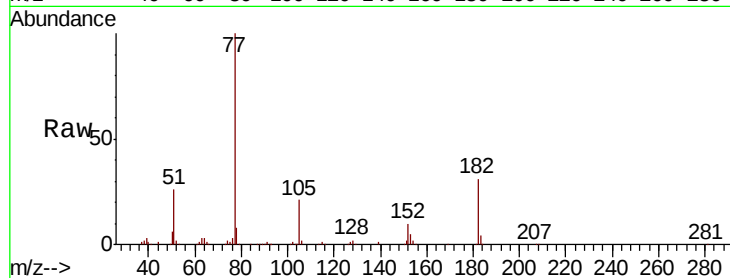
#63
Azobenzene
Concen: 7.533 ng
RT: 15.76 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	30.8	12.6	52.6	
105	21.0	1.1	41.1	
51	26.4	6.9	46.9	

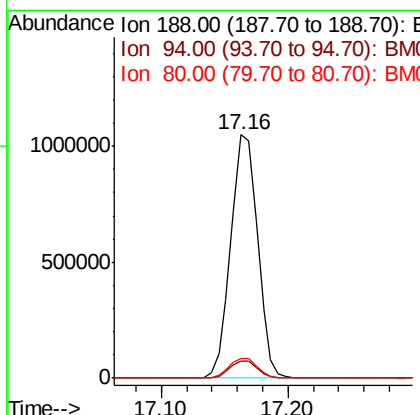
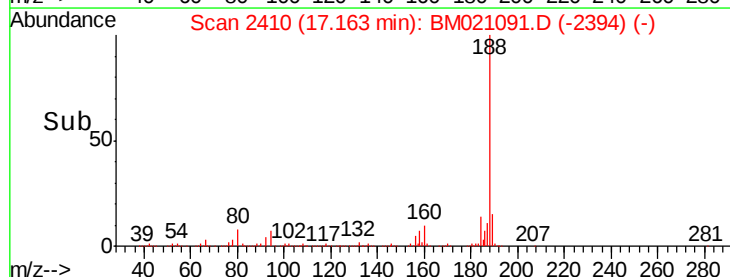
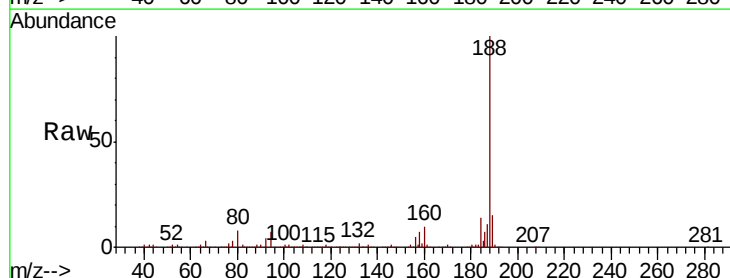
Manual Integrations
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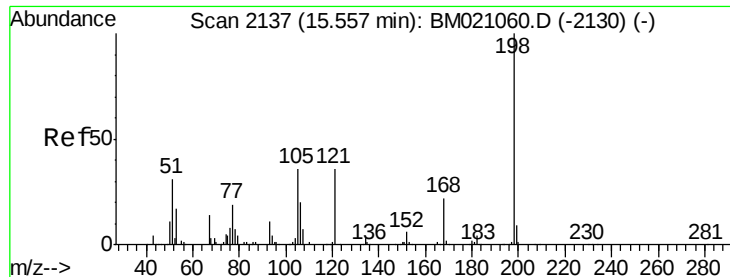
mohammad
6/26/2019 1:57:27 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.16 min Scan# 2410
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	7.2	5.8	8.8	
80	8.3	6.9	10.3	





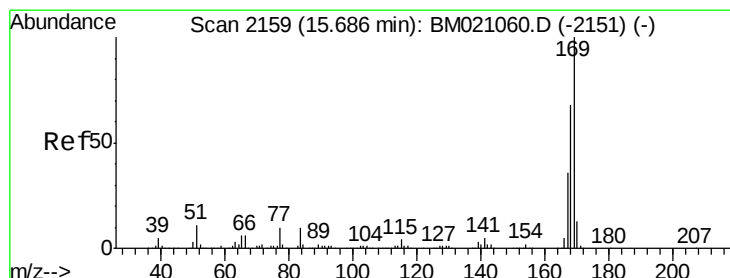
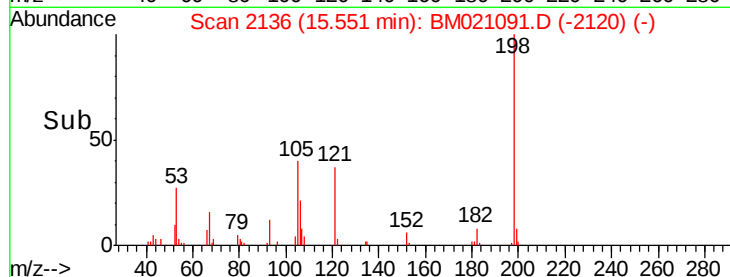
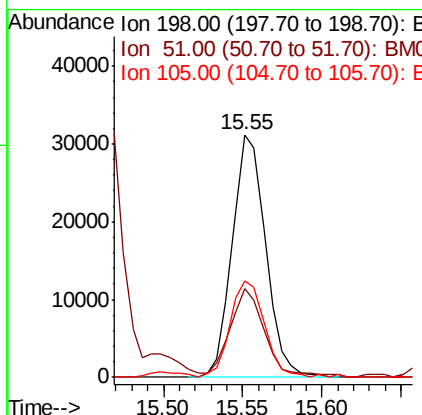
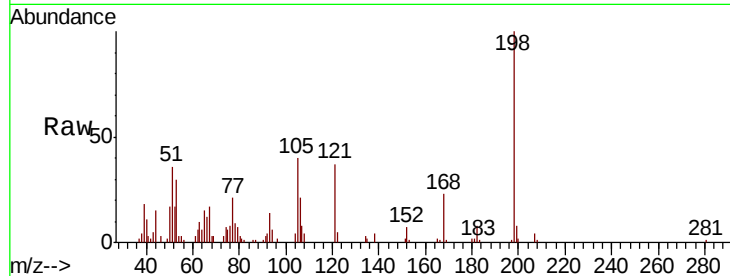
#65
4,6-Dinitro-2-methylphenol
Concen: 4.837 ng
RT: 15.55 min Scan# 2136
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
198	100		
51	36.4	15.3	55.3
105	39.8	16.8	56.8

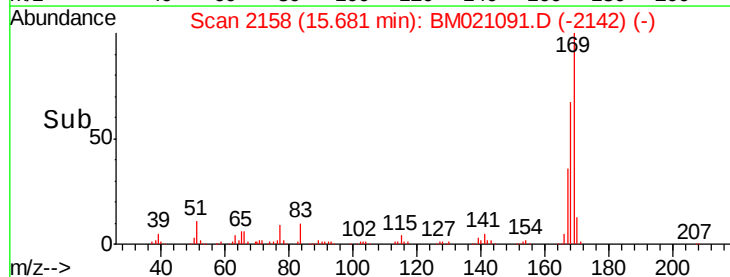
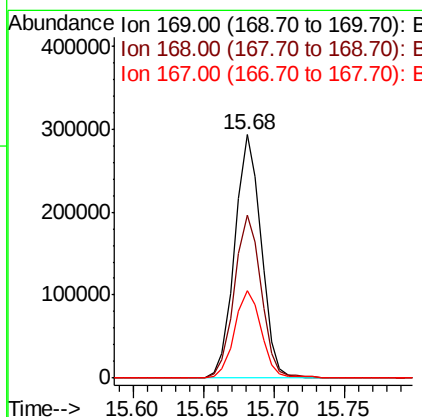
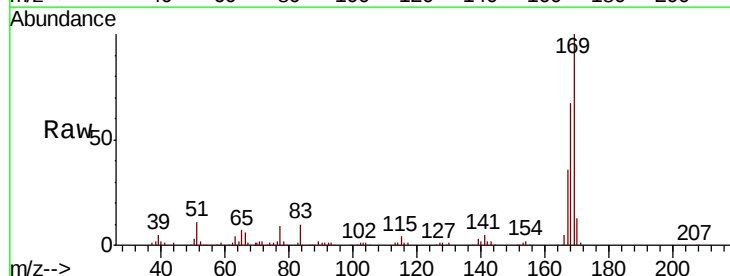
Manual Integrations
APPROVED

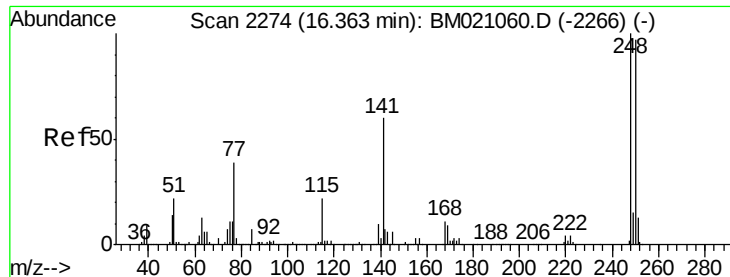
mohammad
6/26/2019 1:57:27 PM



#66
n-Nitrosodiphenylamine
Concen: 7.910 ng
RT: 15.68 min Scan# 2158
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.1	54.5	81.7
167	35.9	29.0	43.6





#67

4-Bromophenyl-phenylether

Concen: 7.395 ng

RT: 16.36 min Scan# 2273

Delta R.T. -0.01 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Instrument :

BNA_M

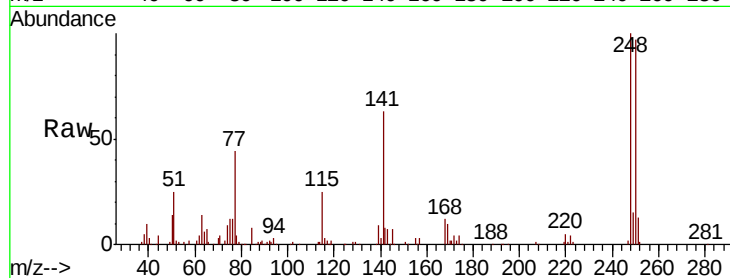
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	248	Resp:	150943
Ion Ratio	Lower	Upper	
248	100		
250	97.0	77.5	116.3
141	62.7	47.8	71.6

Manual Integrations
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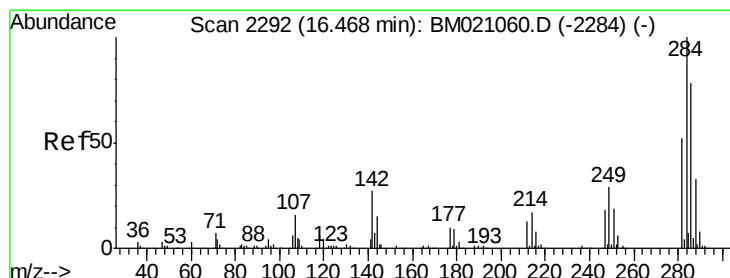
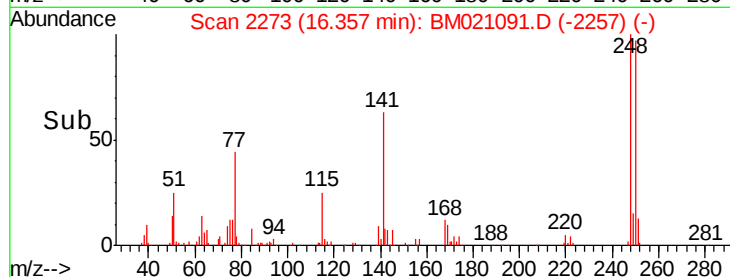
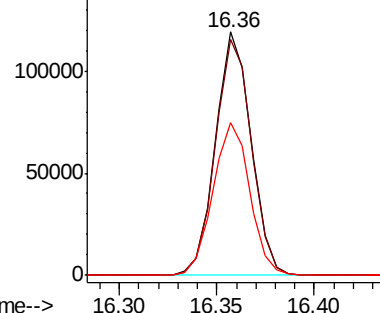


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 7.455 ng

RT: 16.46 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

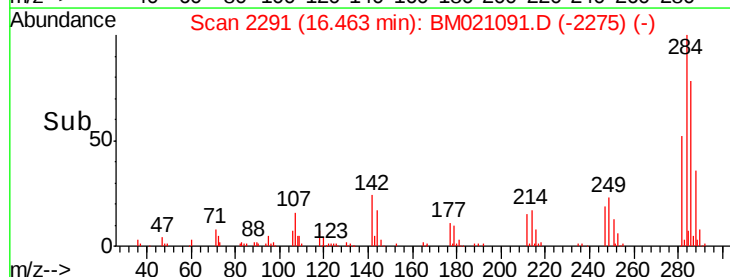
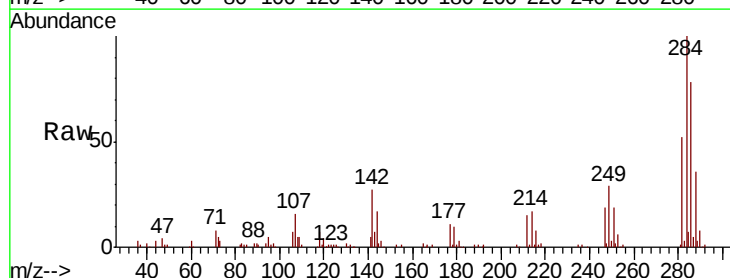
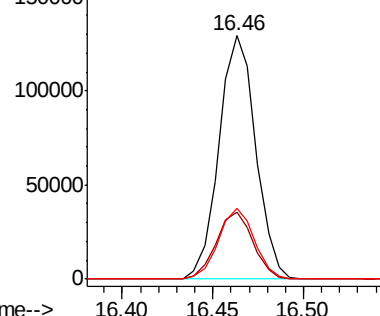
Tgt Ion:	284	Resp:	181763
Ion Ratio	Lower	Upper	
284	100		
142	27.4	21.2	31.8
249	28.9	23.4	35.0

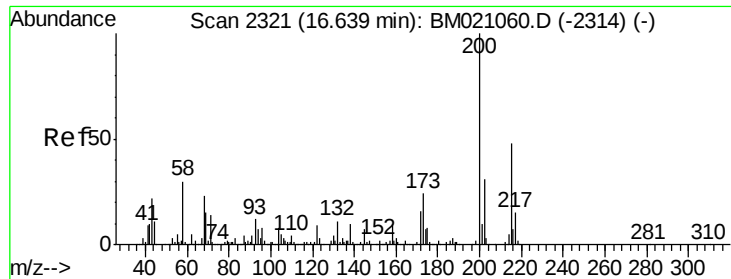
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





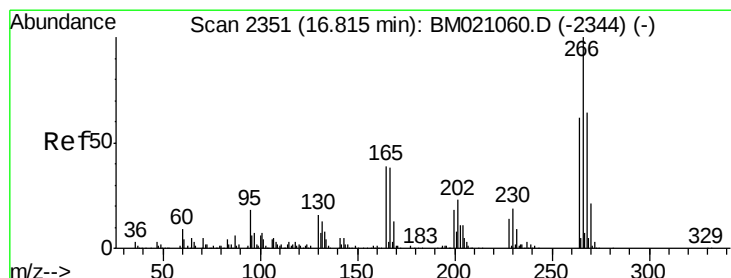
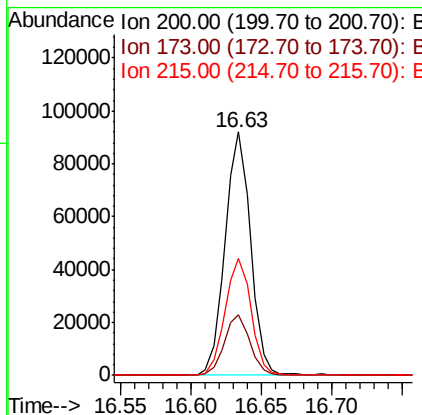
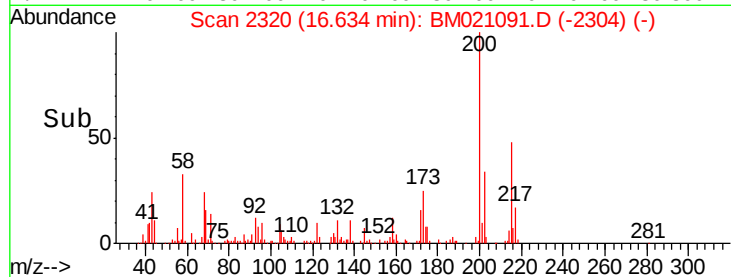
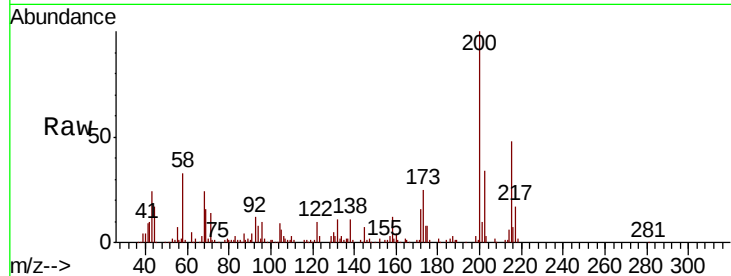
#69
Atrazine
Concen: 7.370 ng
RT: 16.63 min Scan# 2320
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
200	100	115813		
173	24.9	4.3	44.3	
215	48.3	28.2	68.2	

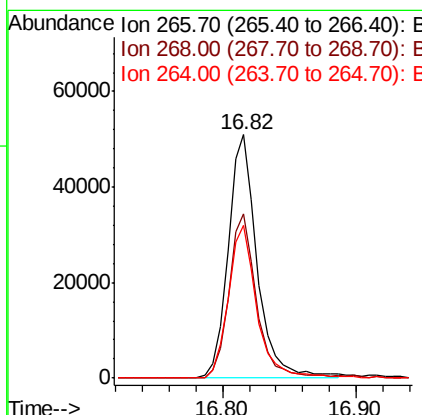
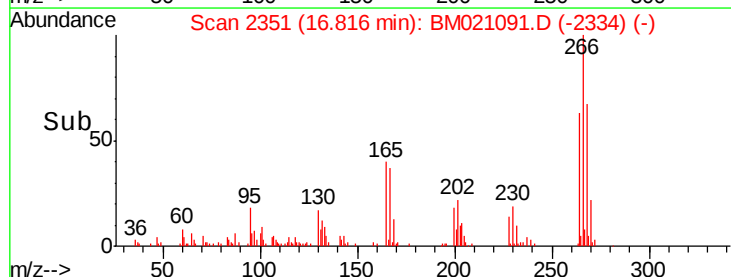
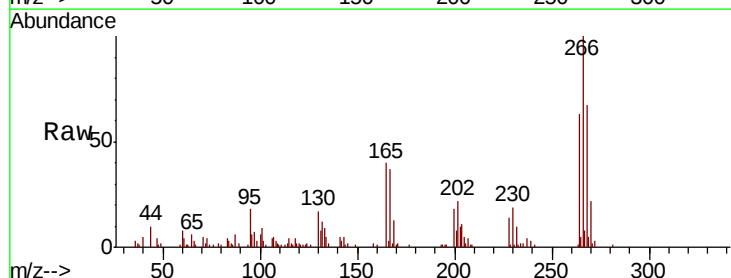
Manual Integrations
APPROVED

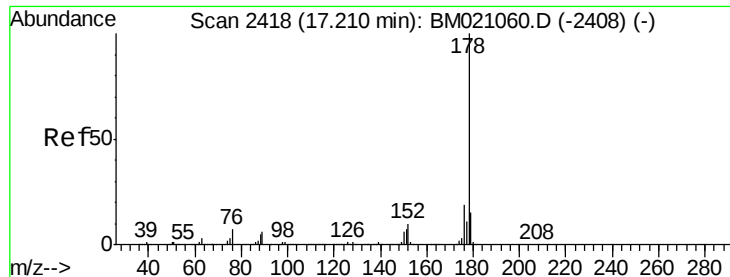
mohammad
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#70
Pentachlorophenol
Concen: 5.882 ng
RT: 16.82 min Scan# 2351
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	77274		
268	67.4	51.0	76.4	
264	62.6	49.9	74.9	





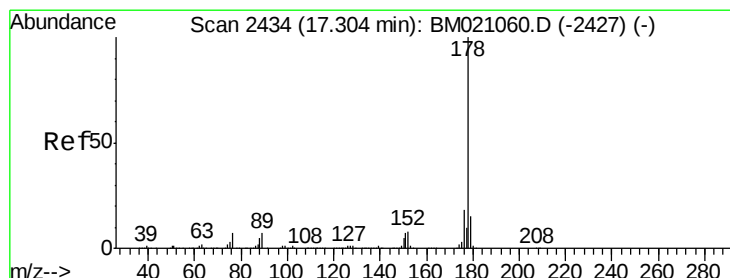
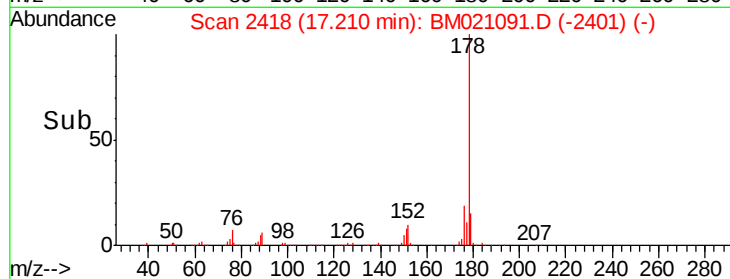
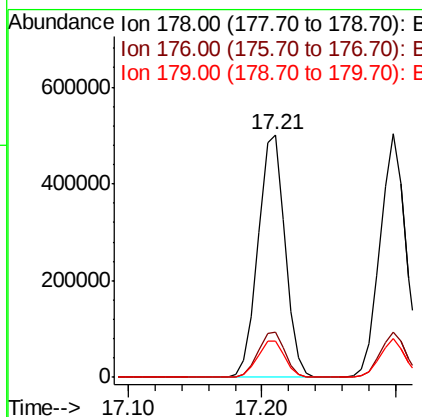
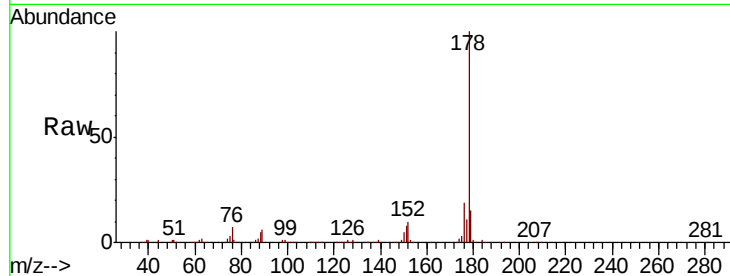
#71
Phenanthrene
Concen: 7.875 ng
RT: 17.21 min Scan# 2418
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100		695880		
176	18.8	15.2	22.8		
179	15.1	12.2	18.4		

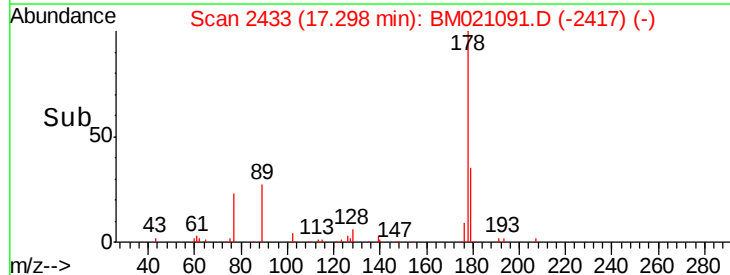
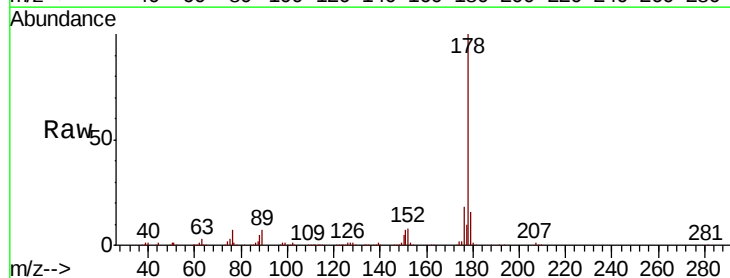
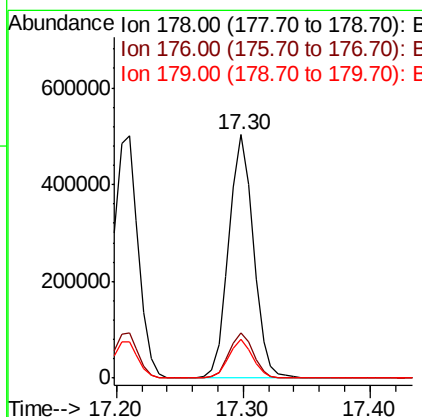
Manual Integrations
APPROVED

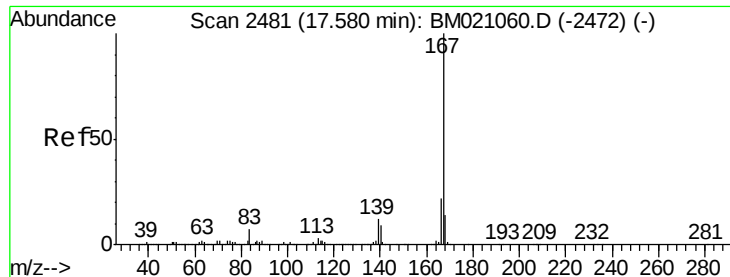
mohammad
6/26/2019 1:57:27 PM



#72
Anthracene
Concen: 7.745 ng
RT: 17.30 min Scan# 2433
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		677878		
176	18.3	14.7	22.1		
179	16.0	12.2	18.2		





#73

Carbazole

Concen: 7.331 ng

RT: 17.57 min Scan# 2480

Delta R.T. -0.01 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Instrument :

BNA_M

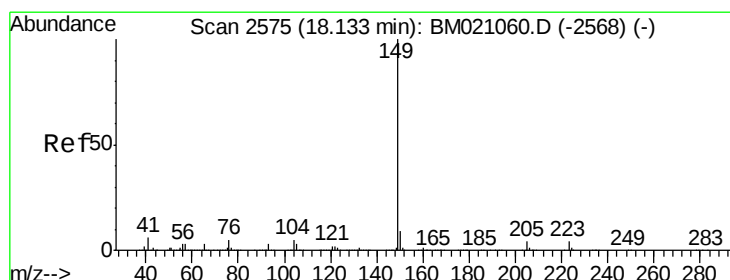
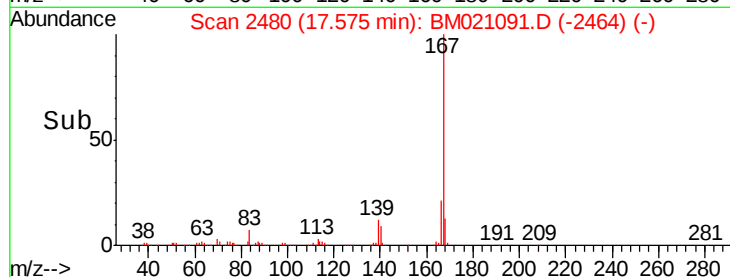
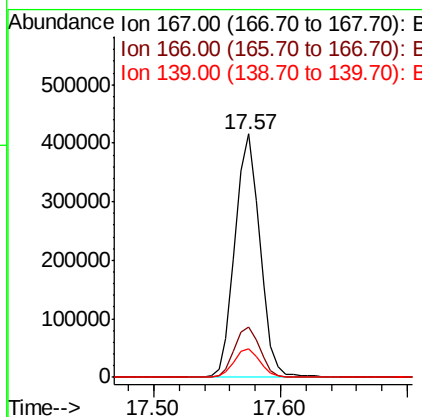
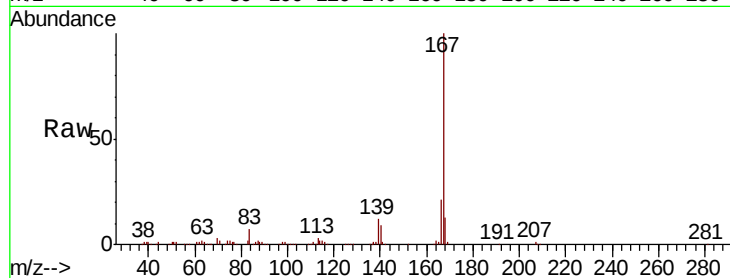
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	167	Resp:	567348
Ion Ratio	Lower	Upper	
167	100		
166	20.9	17.4	26.2
139	11.8	9.7	14.5

Manual Integrations
APPROVED

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#74

Di-n-butylphthalate

Concen: 6.380 ng

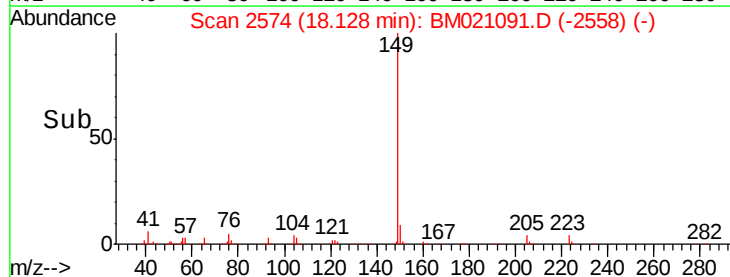
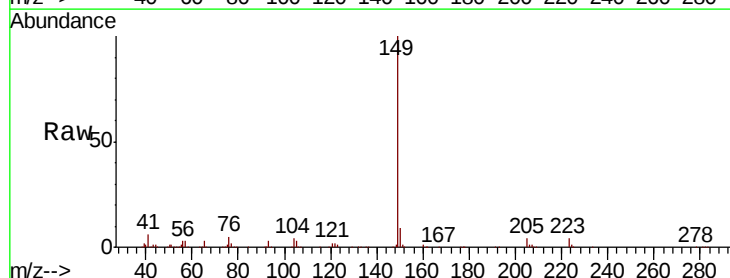
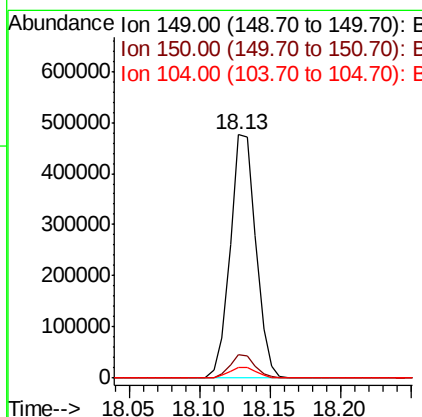
RT: 18.13 min Scan# 2574

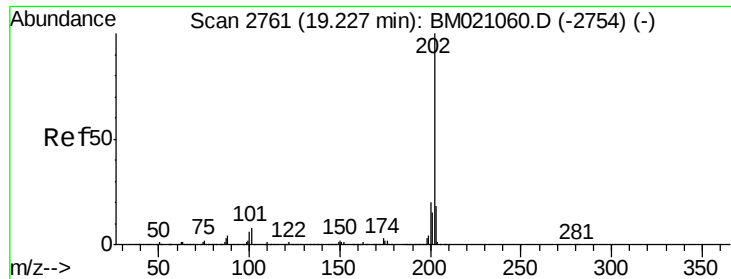
Delta R.T. -0.01 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Tgt Ion:	149	Resp:	604409
Ion Ratio	Lower	Upper	
149	100		
150	9.4	7.4	11.0
104	4.4	3.8	5.8





#75

Fluoranthene

Concen: 7.087 ng

RT: 19.22 min Scan# 2760

Delta R.T. -0.01 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Instrument :

BNA_M

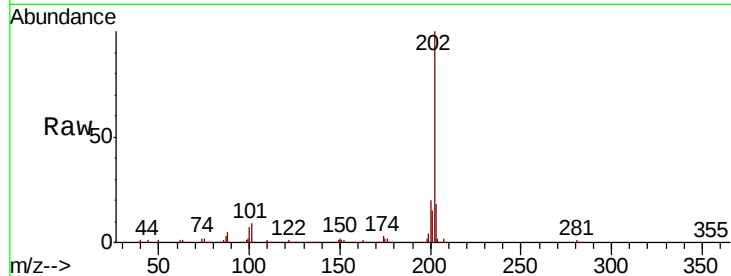
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
202	100	723168		
101	8.9	0.0	28.2	
203	17.6	0.0	37.6	

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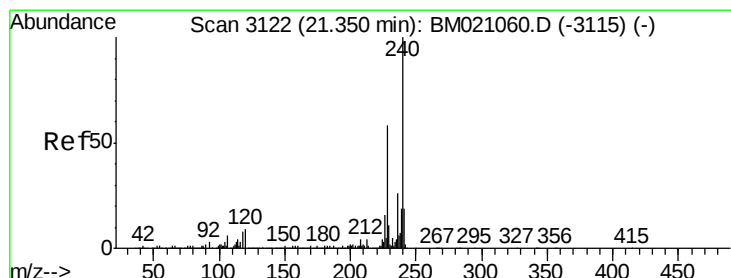
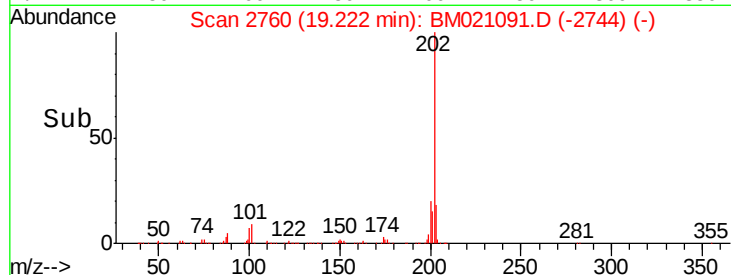
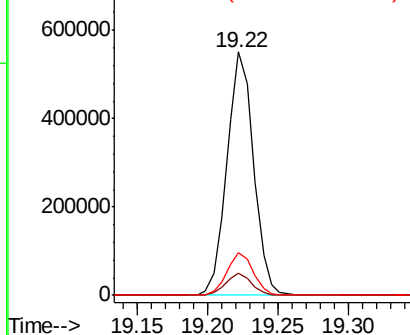


Abundance

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

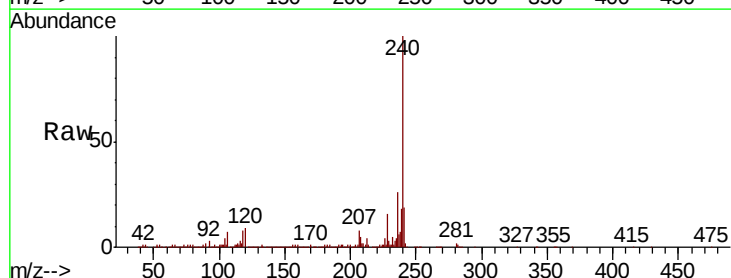
RT: 21.34 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	1224664		
120	9.2	6.9	10.3	
236	25.6	20.4	30.6	

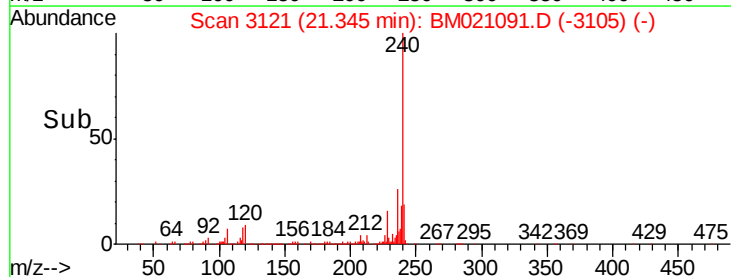
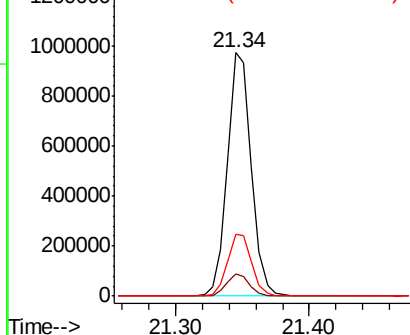


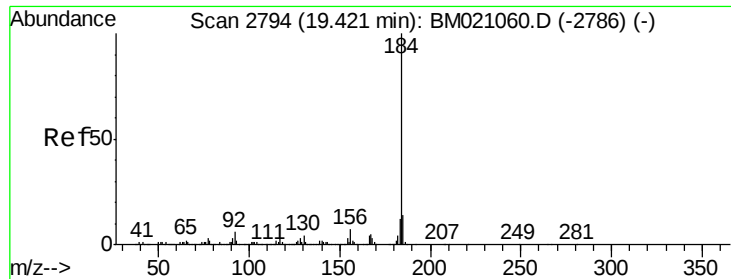
Abundance

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: 5.553 ng

RT: 19.42 min Scan# 2793

Delta R.T. -0.01 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Instrument :

BNA_M

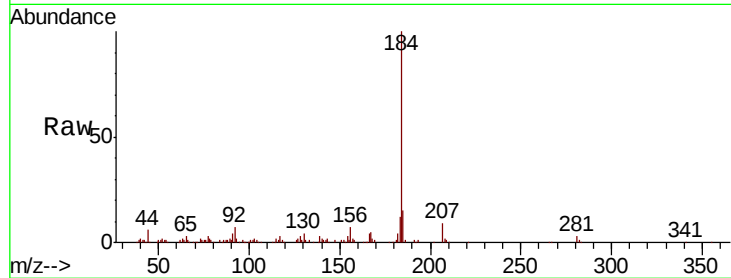
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

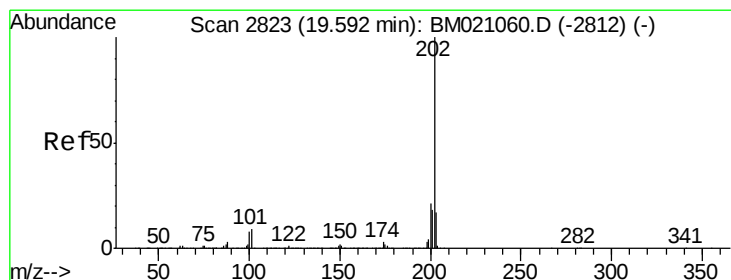
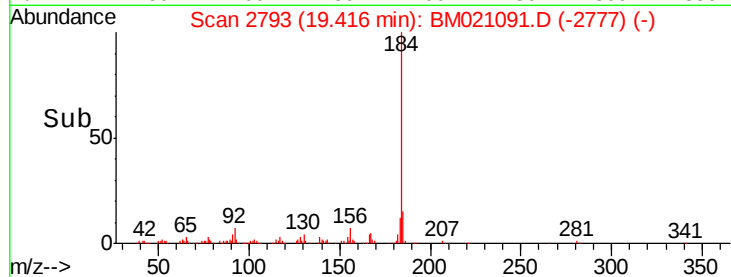
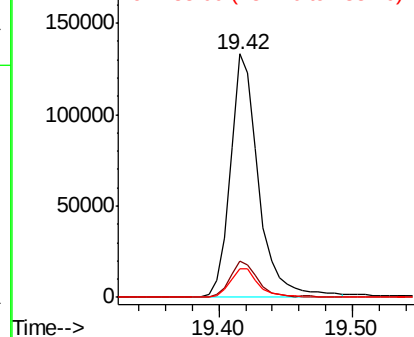
Tot Ion:	184	Resp:	197489
Ion Ratio	Lower	Upper	
184	100		
185	14.8	11.4	17.2
183	11.6	9.6	14.4

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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: 8.380 ng

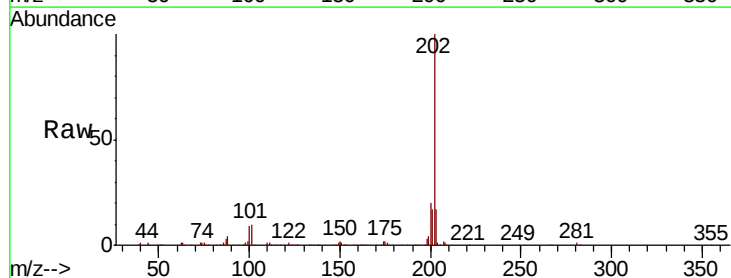
RT: 19.59 min Scan# 2822

Delta R.T. -0.01 min

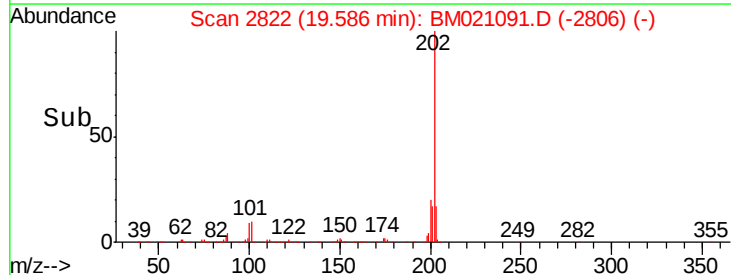
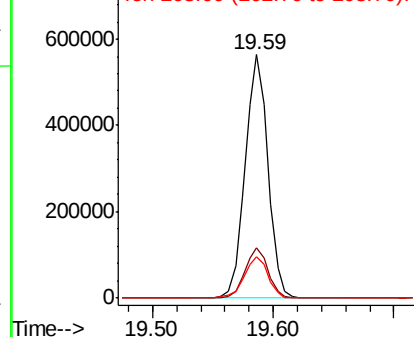
Lab File: BM021091.D

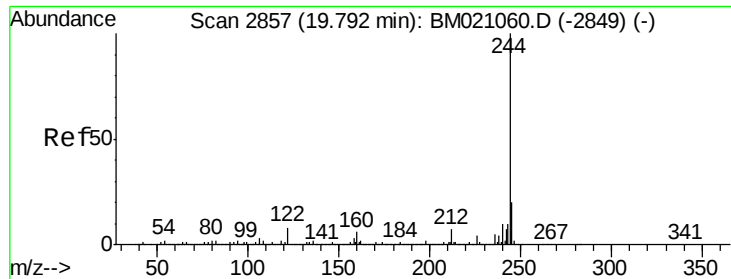
Acq: 22 Jun 2019 08:58

Tgt Ion:	202	Resp:	744286
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.0	25.4
203	17.1	14.0	21.0



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





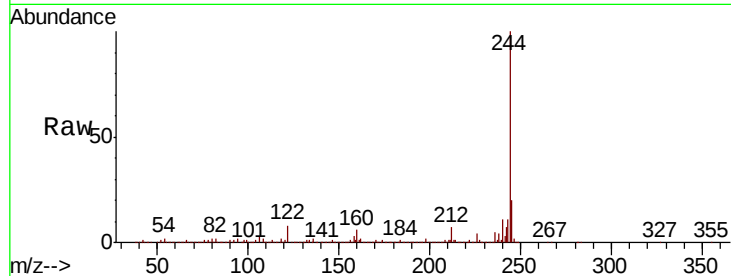
#79
 Terphenyl-d14
 Concen: 103.328 ng
 RT: 19.79 min Scan# 2857
 Delta R.T. 0.00 min
 Lab File: BM021091.D
 Acq: 22 Jun 2019 08:58

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.3	7.9
122	8.1	6.6	9.8

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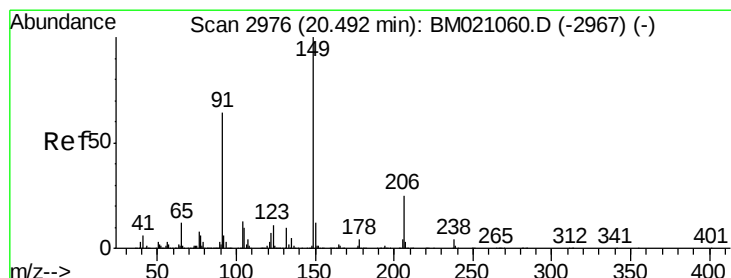
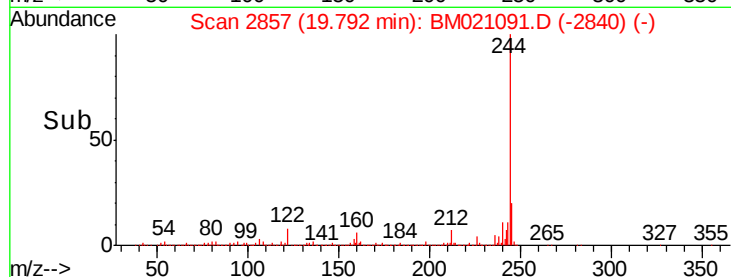
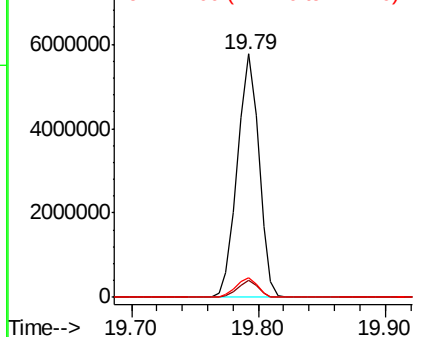


Abundance

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: 6.436 ng
 RT: 20.49 min Scan# 2975
 Delta R.T. -0.01 min
 Lab File: BM021091.D
 Acq: 22 Jun 2019 08:58

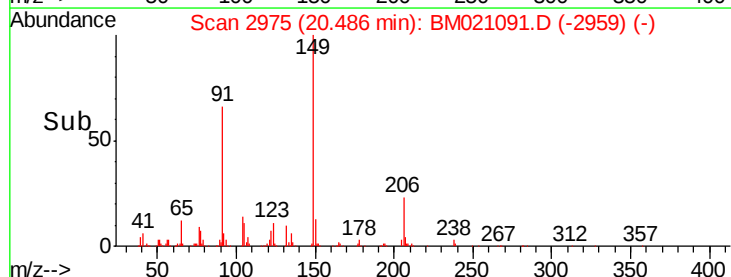
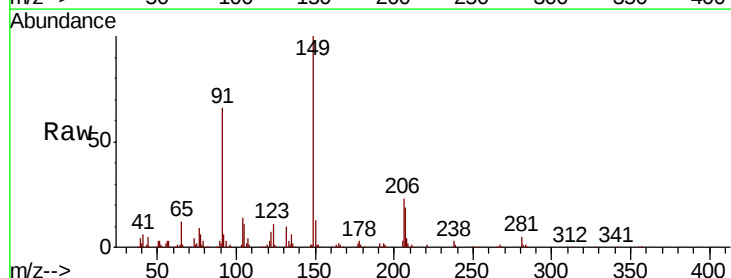
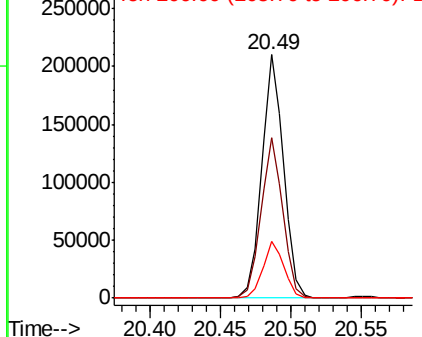
Tgt Ion	Ratio	Lower	Upper
149	100		
91	66.1	50.9	76.3
206	23.1	19.7	29.5

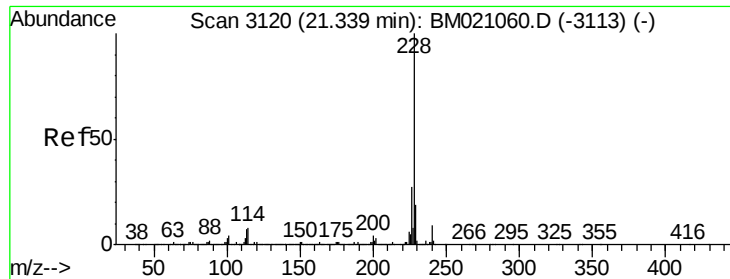
Abundance

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





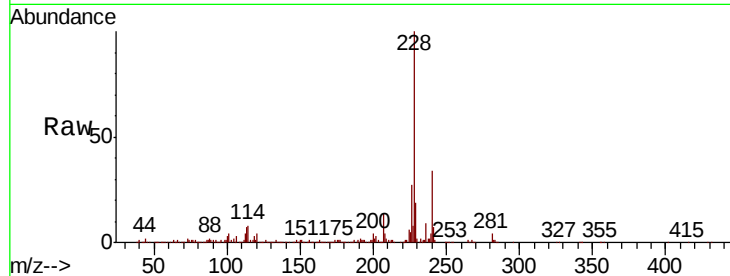
#81
Benzo(a)anthracene
Concen: 7.718 ng
RT: 21.33 min Scan# 3119
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.6	32.4
229	18.9	15.5	23.3

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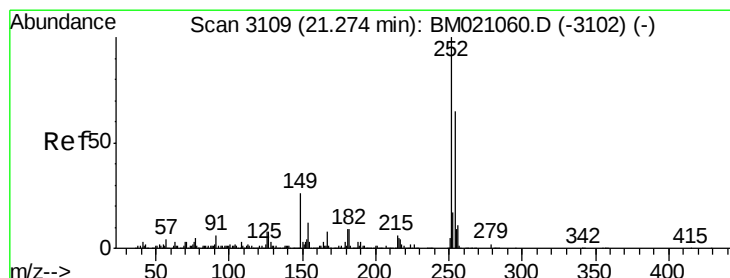
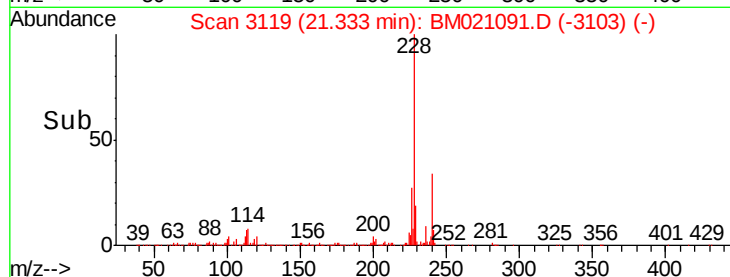
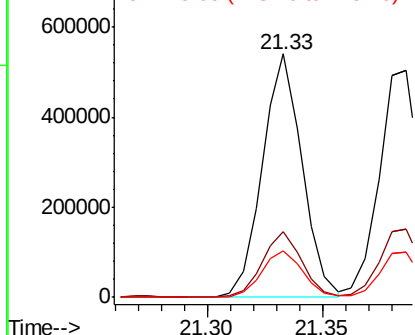


Abundance

Ion 228.00 (227.70 to 228.70): E

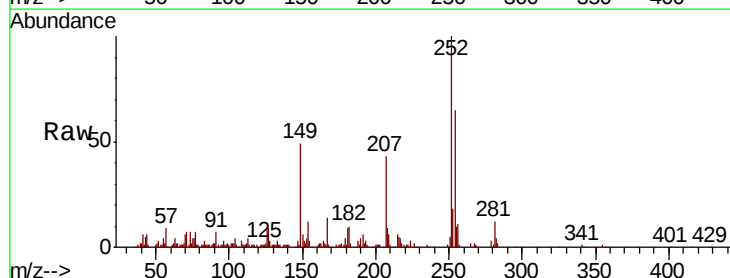
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
3,3'-Dichlorobenzidine
Concen: 6.820 ng
RT: 21.27 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.7	77.5
126	9.4	6.6	9.8

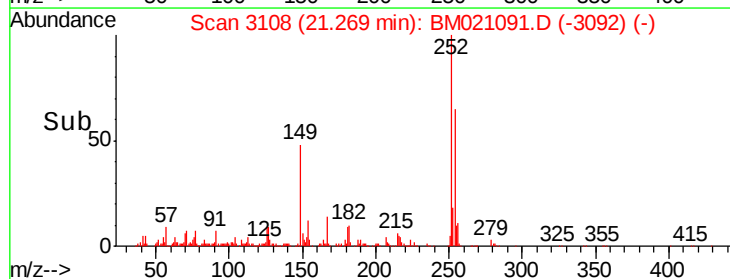
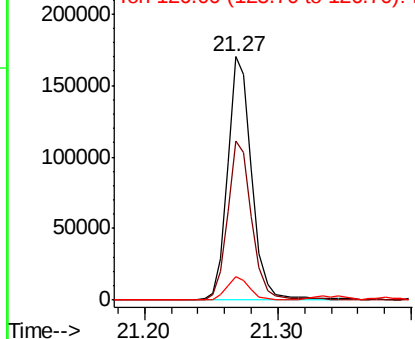


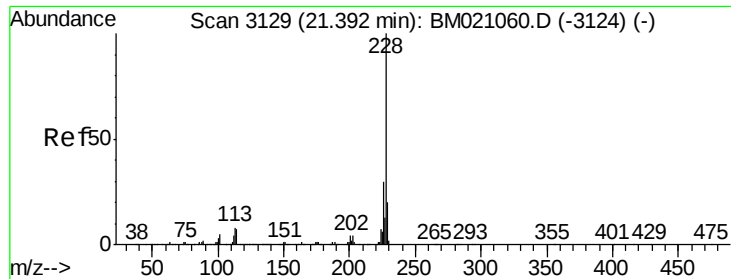
Abundance

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





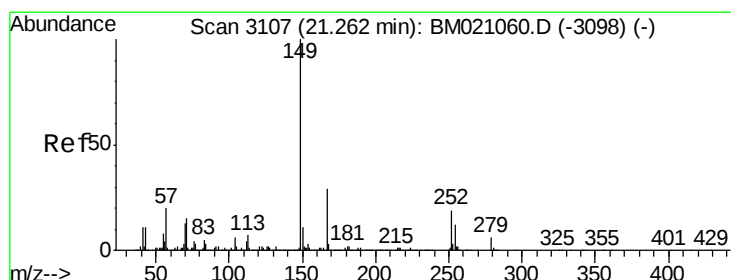
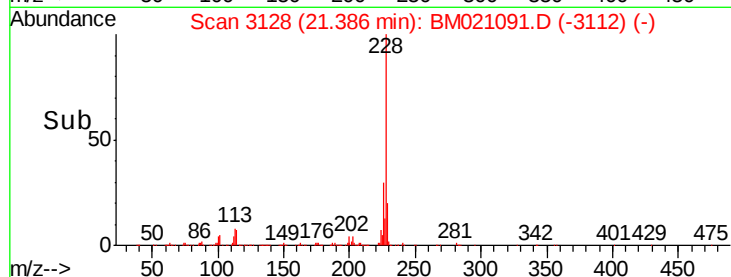
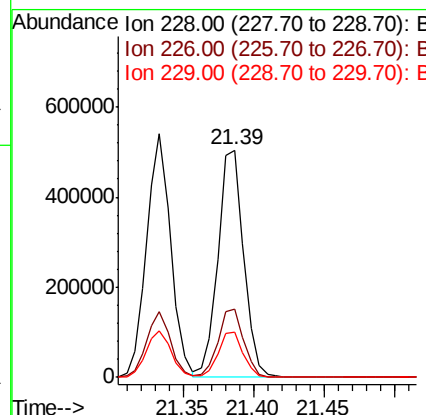
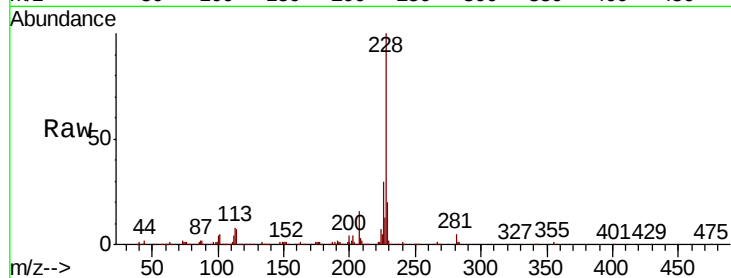
#83
Chrysene
Concen: 7.994 ng
RT: 21.39 min Scan# 3128
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.1	36.1
229	20.1	15.6	23.4

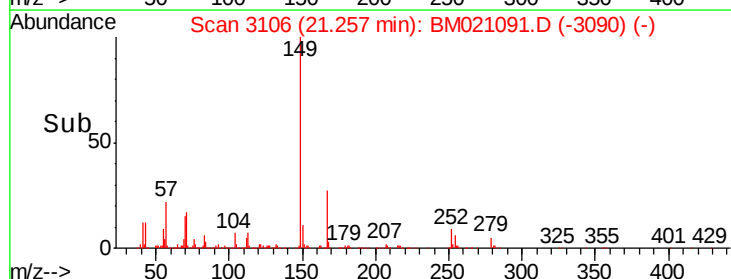
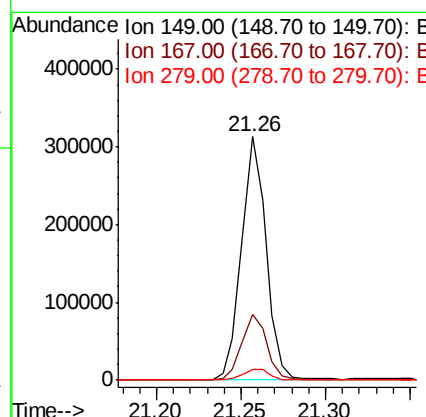
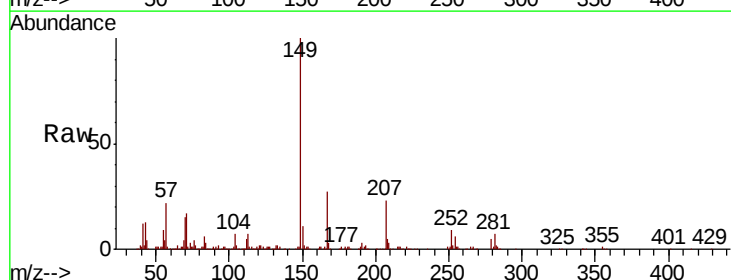
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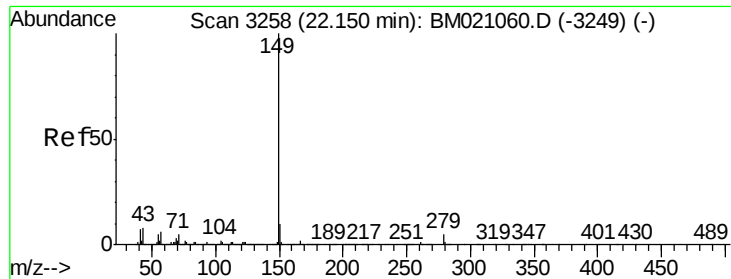
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#84
Bis(2-ethylhexyl)phthalate
Concen: 6.270 ng
RT: 21.26 min Scan# 3106
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.0	23.0	34.4
279	4.6	4.6	7.0#





#85

Di-n-octyl phthalate

Concen: 6.429 ng

RT: 22.15 min Scan# 3258

Delta R.T. 0.00 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Instrument :

BNA_M

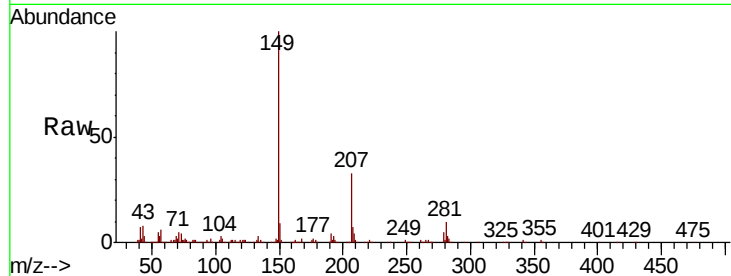
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

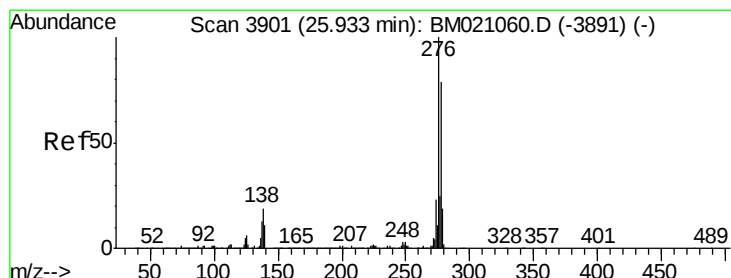
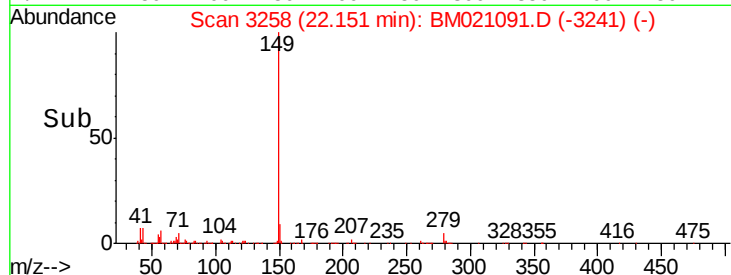
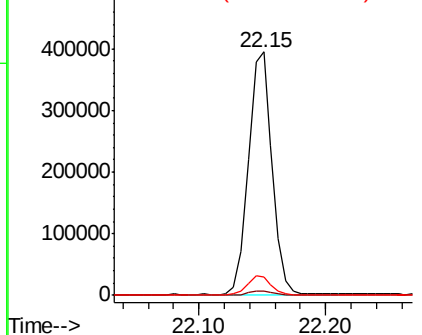
Tot Ion:	149	Resp:	509445
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.3	1.9
43	7.9	6.2	9.2

Manual Integrations
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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): BMO



#86

Indeno(1,2,3-cd)pyrene

Concen: 8.161 ng

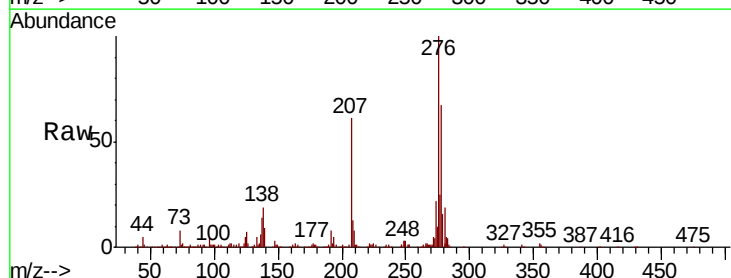
RT: 25.92 min Scan# 3898

Delta R.T. -0.02 min

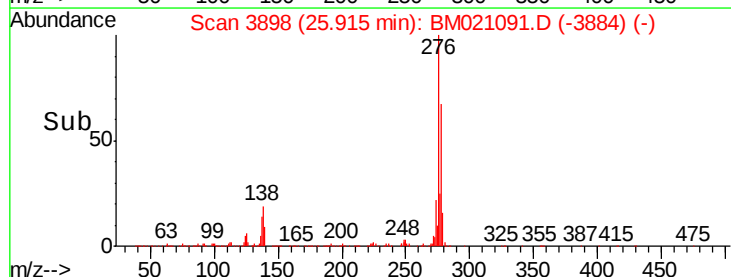
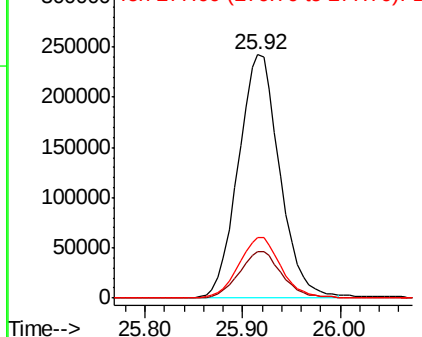
Lab File: BM021091.D

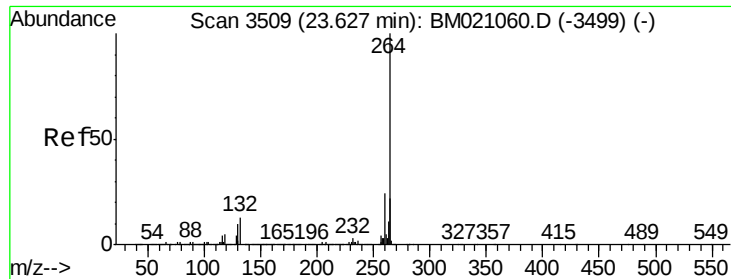
Acq: 22 Jun 2019 08:58

Tgt Ion:	276	Resp:	718182
Ion Ratio	Lower	Upper	
276	100		
138	19.8	15.4	23.0
277	25.3	20.4	30.6



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





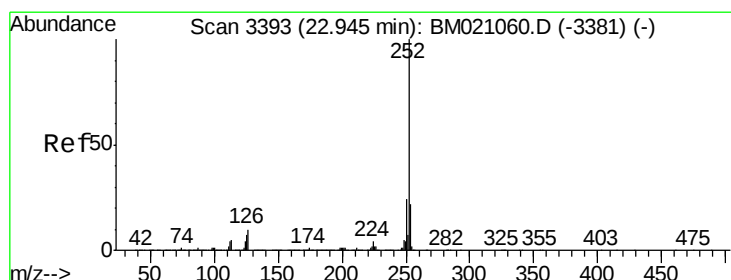
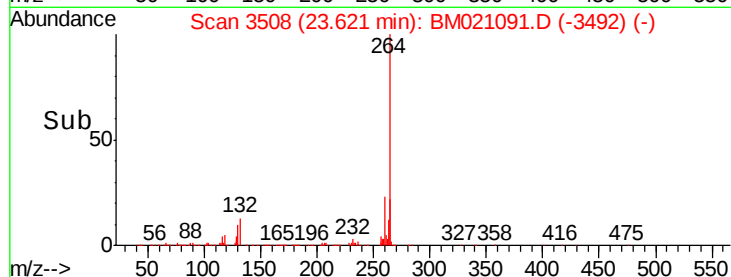
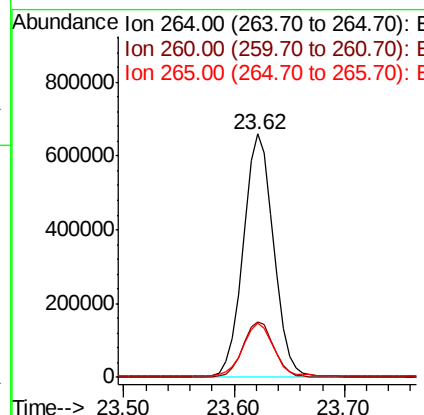
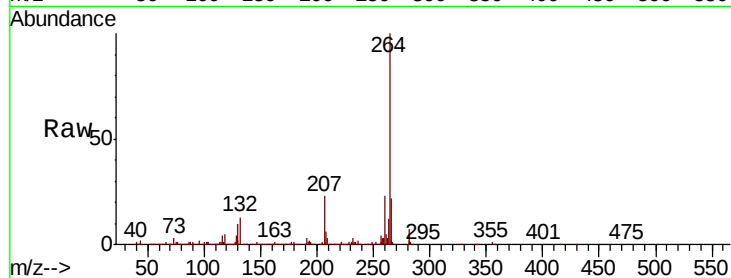
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.62 min Scan# 3508
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.0	28.4
265	22.4	17.7	26.5

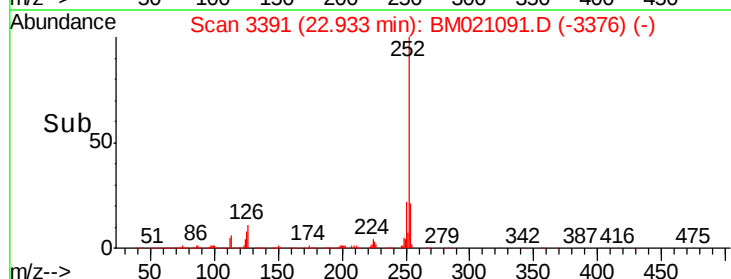
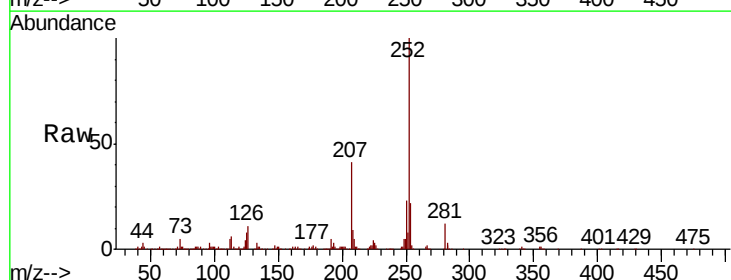
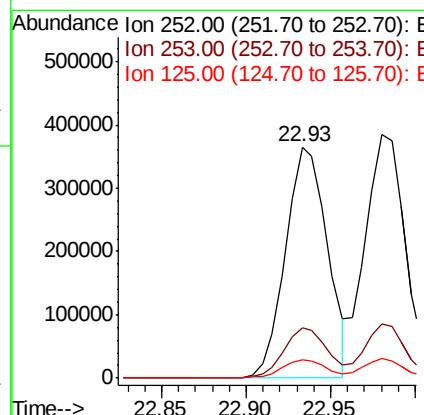
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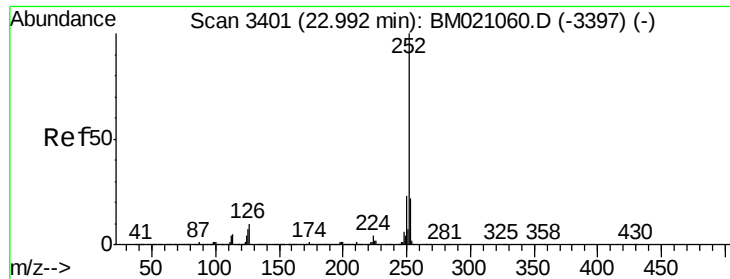
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#88
Benzo(b)fluoranthene
Concen: 7.269 ng
RT: 22.93 min Scan# 3391
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	7.9	5.9	8.9





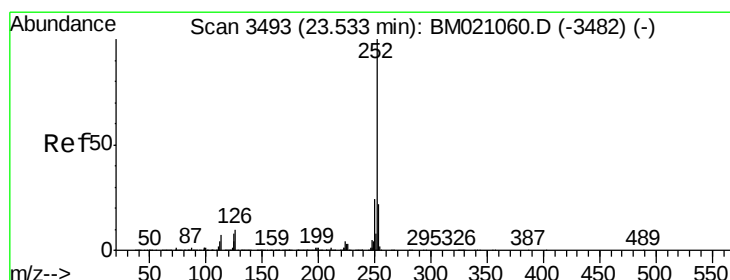
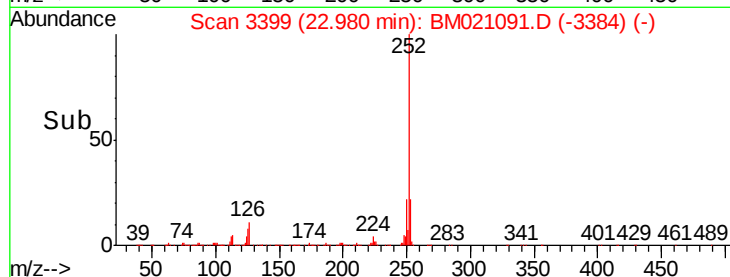
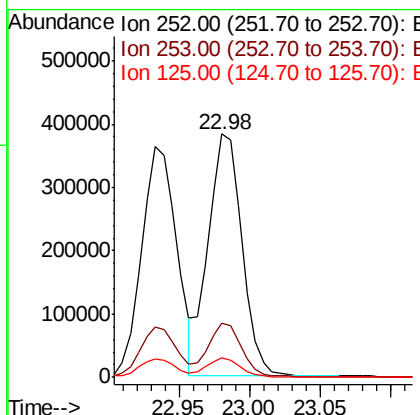
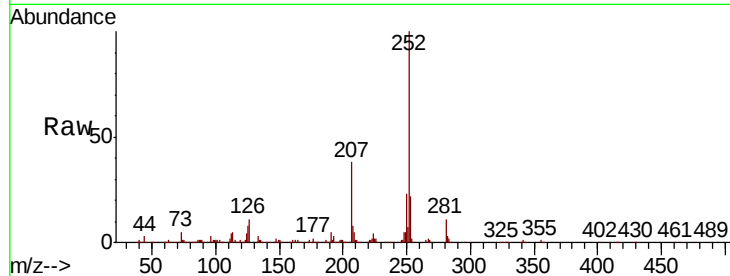
#89
Benzo(k)fluoranthene
Concen: 7.644 ng
RT: 22.98 min Scan# 3399
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	8.1	5.9	8.9

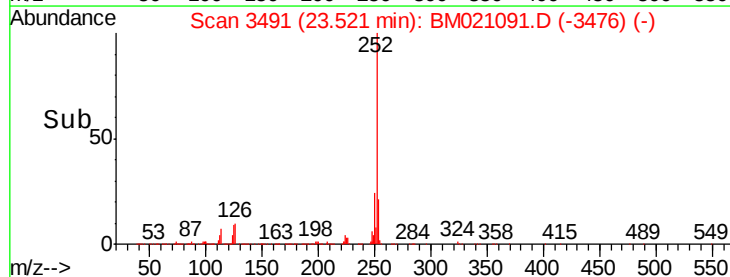
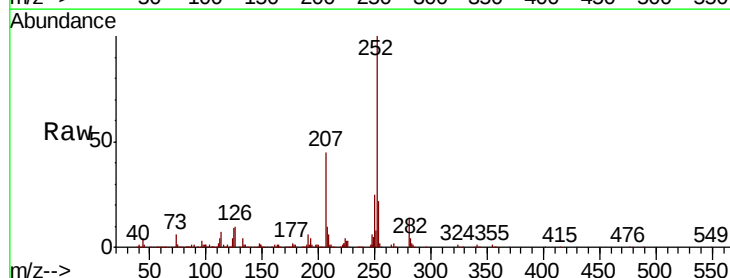
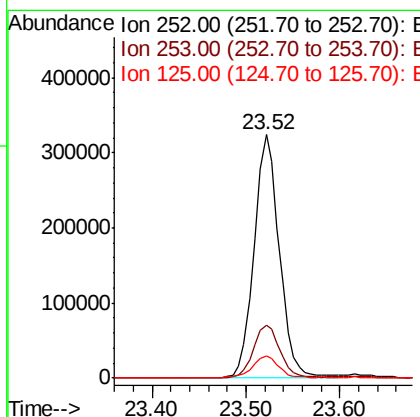
Manual Integrations
APPROVED

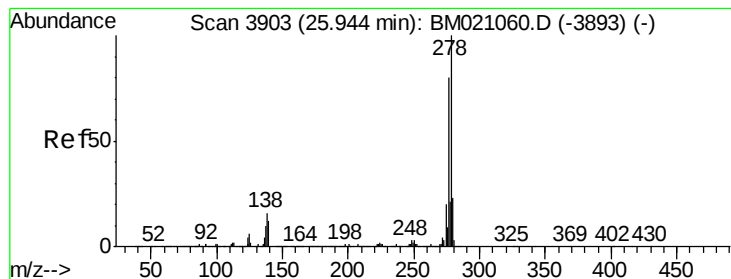
mohammad
6/26/2019 1:57:27 PM



#90
Benzo(a)pyrene
Concen: 7.692 ng
RT: 23.52 min Scan# 3491
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	9.1	6.6	10.0





#91

Dibenzo(a,h)anthracene

Concen: 7.694 ng

RT: 25.93 min Scan# 3900

Delta R.T. -0.02 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Instrument :

BNA_M

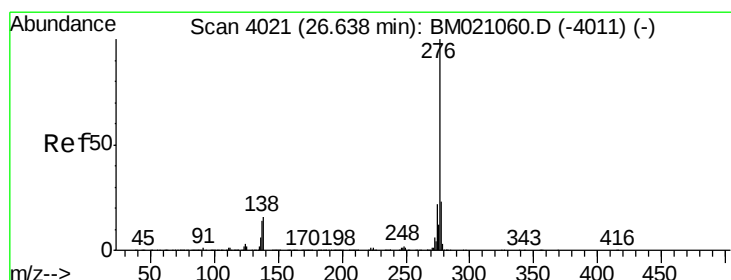
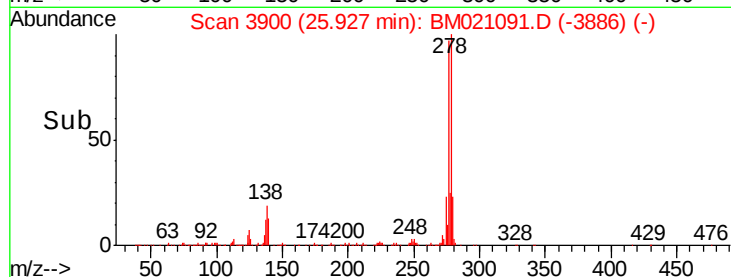
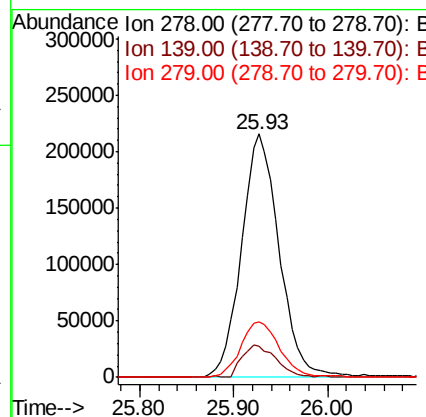
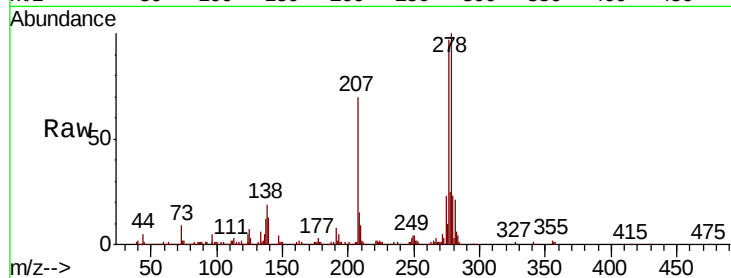
ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tot Ion:	278	Resp:	597749
Ion Ratio	Lower	Upper	
278	100		
139	12.9	9.8	14.8
279	22.8	18.7	28.1

Manual Integrations
APPROVED

mohammad
6/26/2019 1:57:27 PM



#92

Benzo(g,h,i)perylene

Concen: 8.192 ng

RT: 26.62 min Scan# 4018

Delta R.T. -0.02 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Tgt Ion:	276	Resp:	593472
Ion Ratio	Lower	Upper	
276	100		
277	22.9	18.8	28.2
138	16.9	13.1	19.7

