

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

Quant Time: Jun 24 05:40:16 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	40715	3.490	ng	97
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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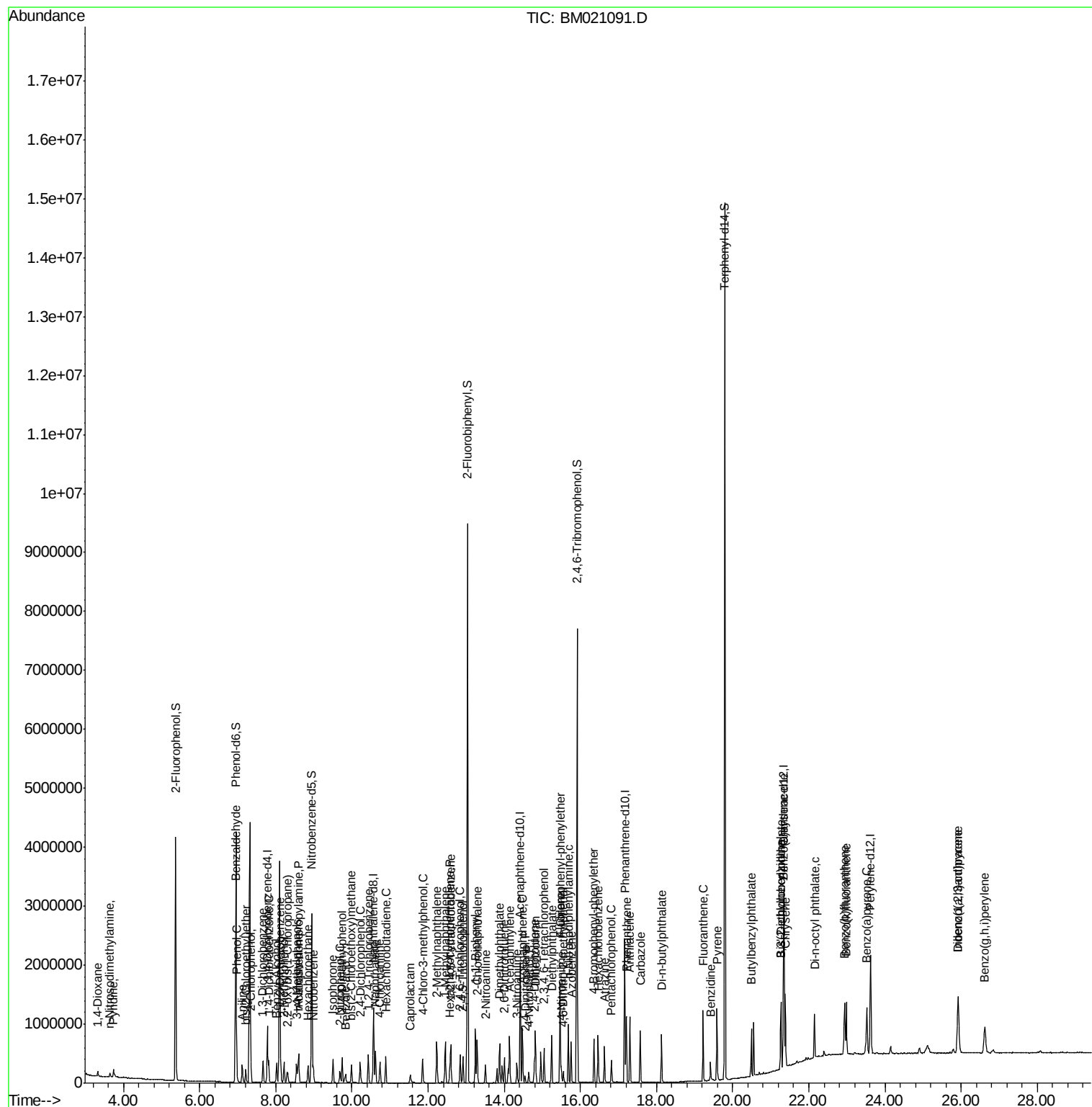
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.57	237	91088	6.041	ng	96
43) 2,4,6-Trichlorophenol	12.85	196	118752	6.900	ng	97
44) 2,4,5-Trichlorophenol	12.92	196	127396	7.148	ng	98
46) 1,1'-Biphenyl	13.25	154	500821	8.515	ng	97
47) 2-Chloronaphthalene	13.29	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

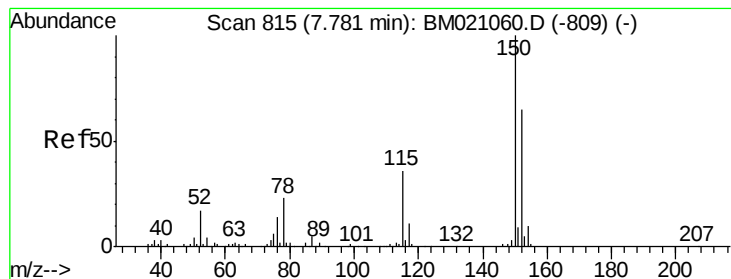
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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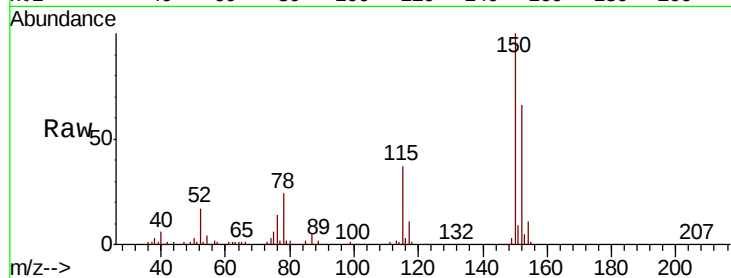


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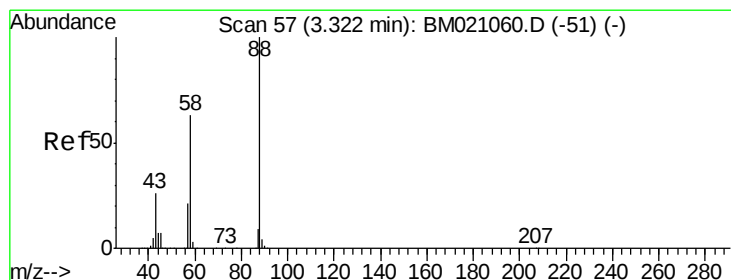
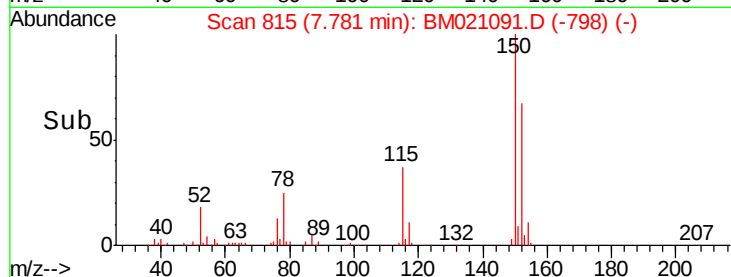
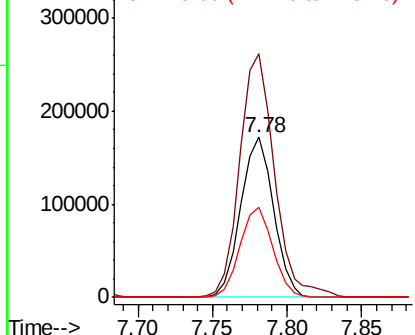
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.78 min Scan# 815
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

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BNA_M
ClientSampleId :
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Tgt Ion:152 Resp: 262647
Ion Ratio Lower Upper
152 100
150 152.1 123.1 184.7
115 56.1 44.2 66.4



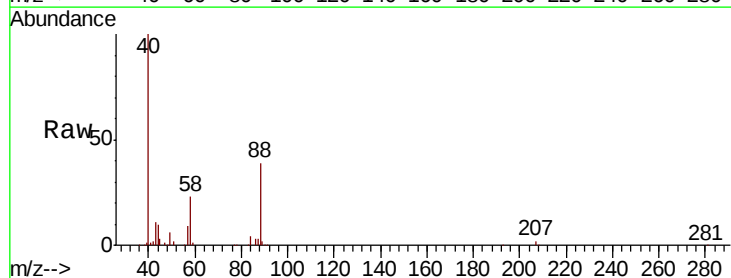
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



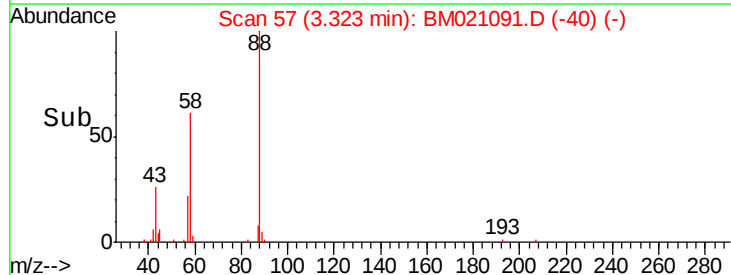
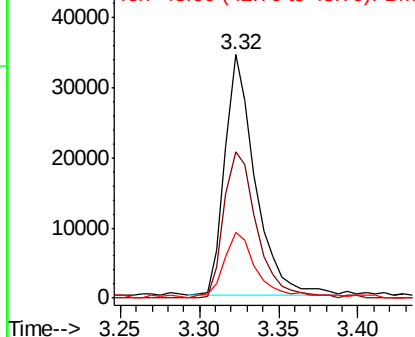
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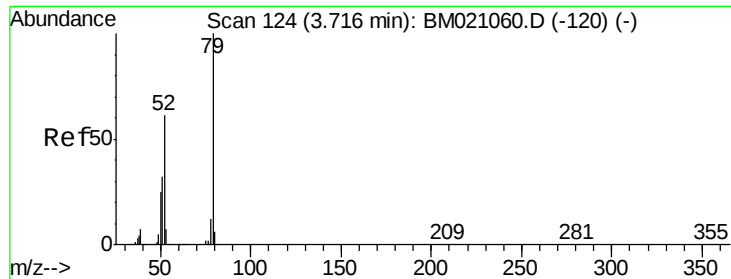
1,4-Dioxane
Concen: 8.287 ng
RT: 3.32 min Scan# 57
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion: 88 Resp: 45287
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

Pyridine

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

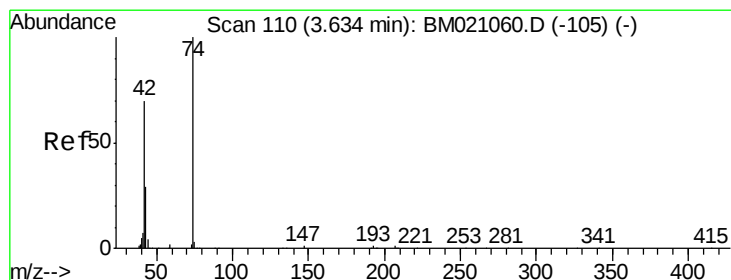
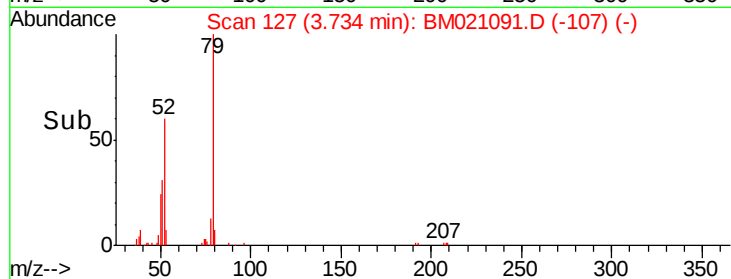
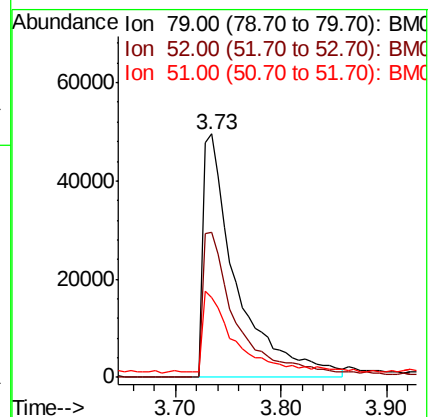
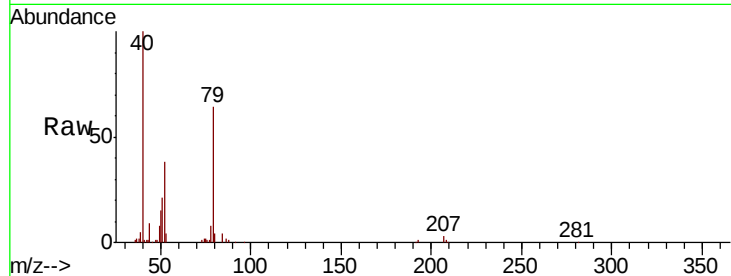
Tgt Ion: 79 Resp: 108614

Ion Ratio Lower Upper

79 100

52 59.8 48.8 73.2

51 32.9 25.7 38.5



#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

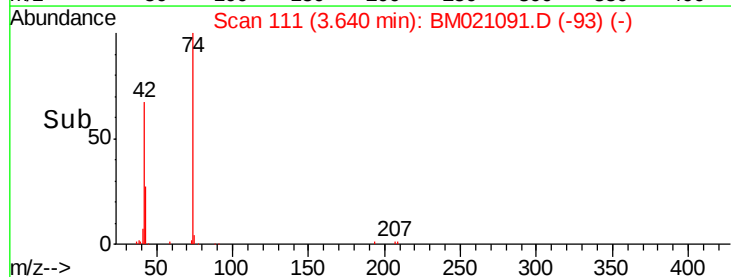
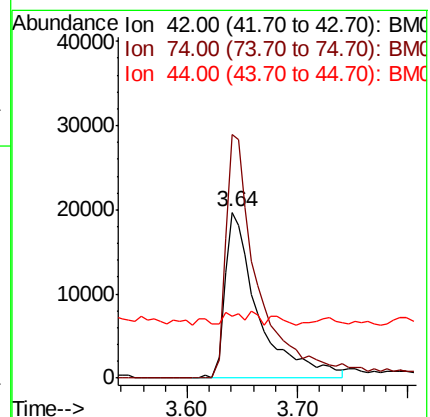
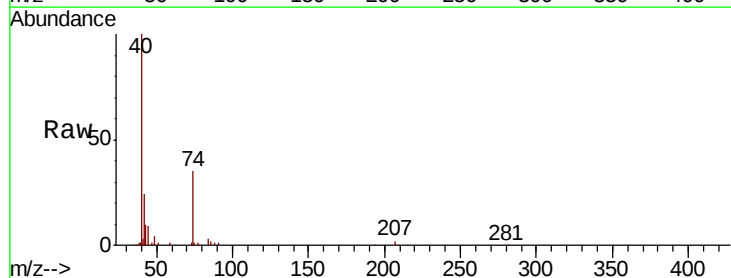
Tgt Ion: 42 Resp: 41534

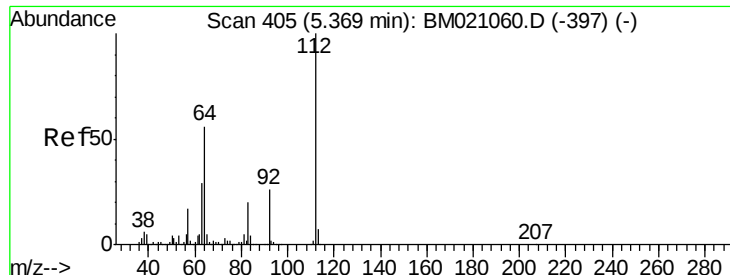
Ion Ratio Lower Upper

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

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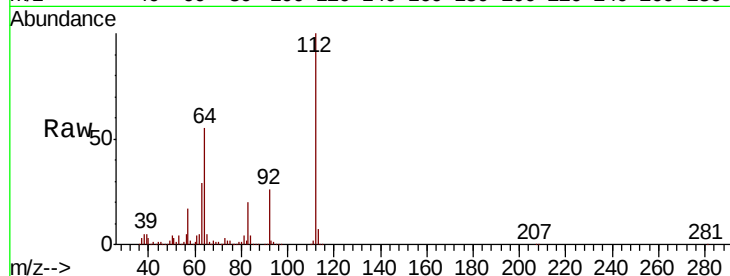
Tgt Ion: 112 Resp: 1741134

Ion Ratio Lower Upper

112 100

64 55.5 45.2 67.8

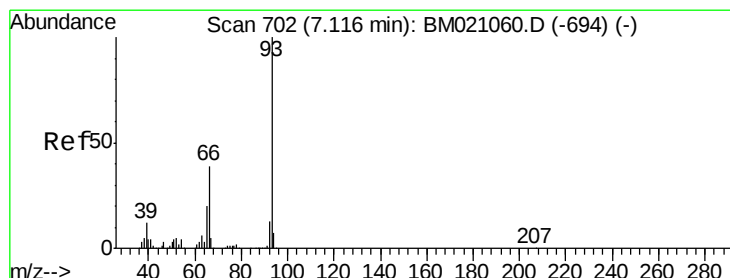
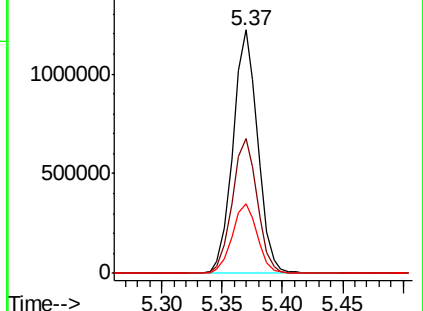
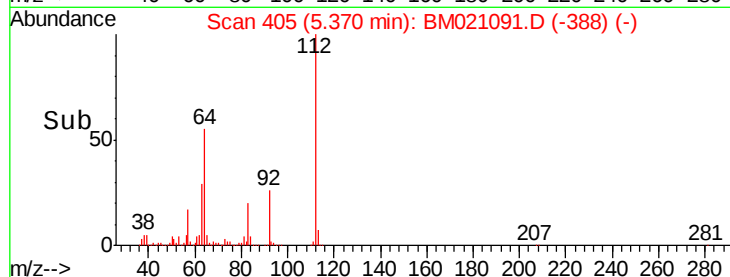
63 28.8 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#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

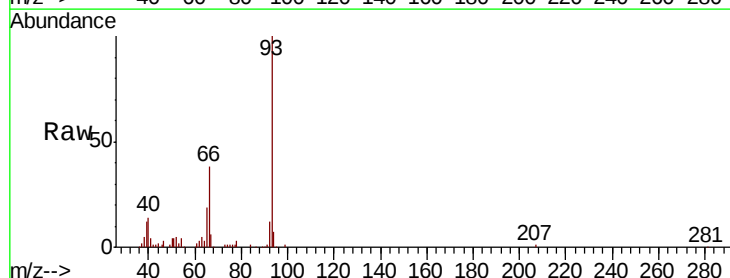
Tgt Ion: 93 Resp: 189109

Ion Ratio Lower Upper

93 100

66 38.5 31.3 46.9

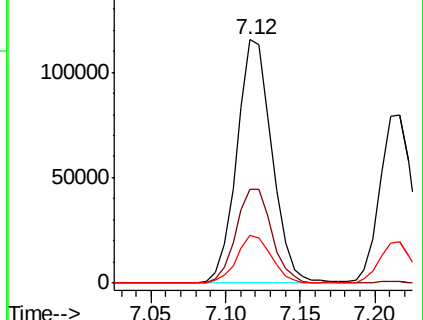
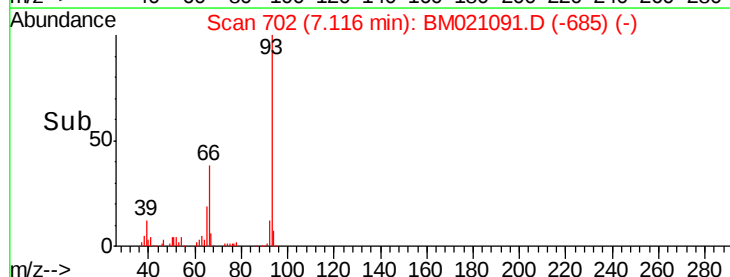
65 19.4 15.9 23.9

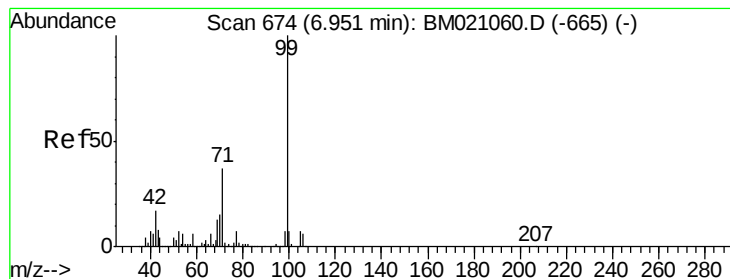


Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#7

Phenol-d6

Concen: 113.462 ng

RT: 6.95 min Scan# 674

Delta R.T. 0.00 min

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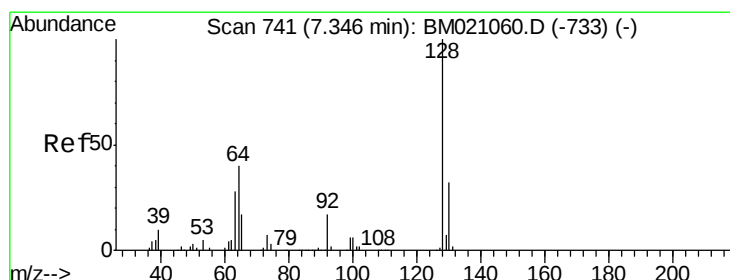
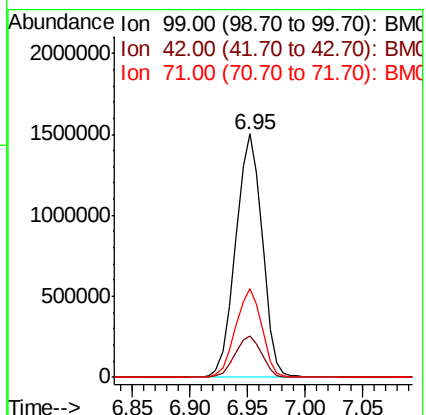
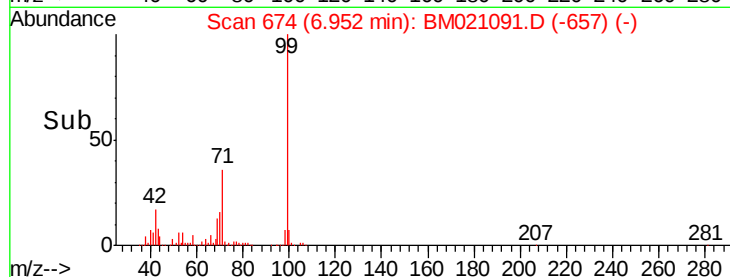
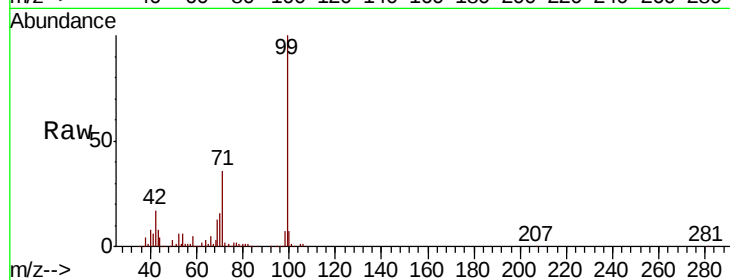
Tgt Ion: 99 Resp: 2396676

Ion Ratio Lower Upper

99 100

42 16.9 13.5 20.3

71 36.4 29.3 43.9



#8

2-Chlorophenol

Concen: 7.394 ng

RT: 7.35 min Scan# 741

Delta R.T. 0.00 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

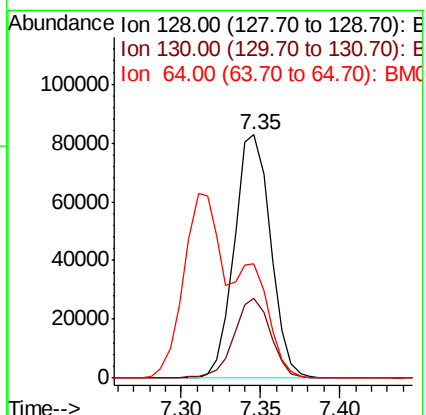
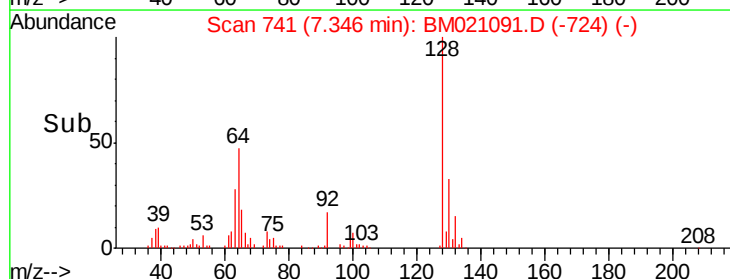
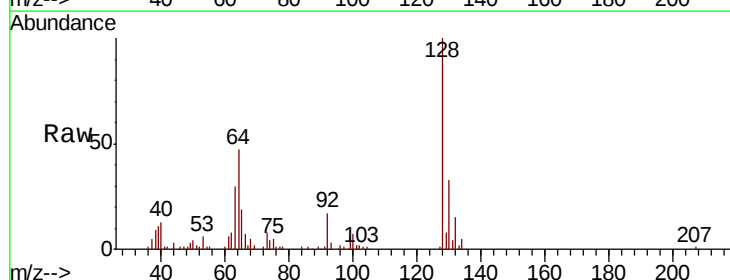
Tgt Ion: 128 Resp: 131996

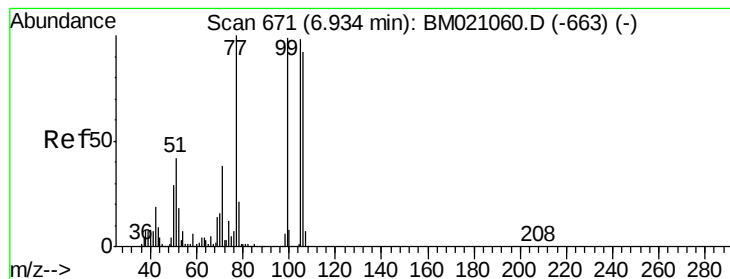
Ion Ratio Lower Upper

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

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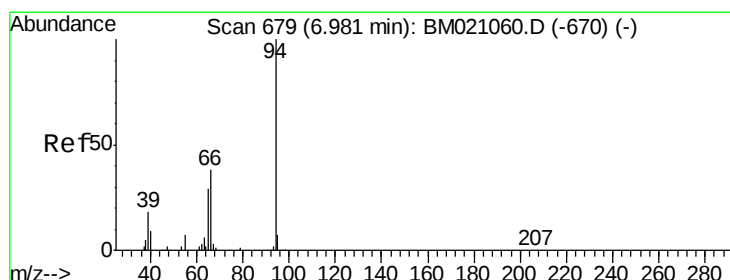
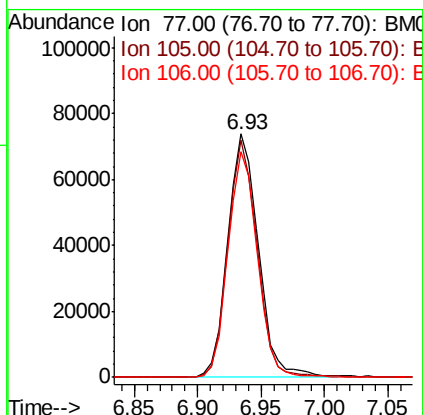
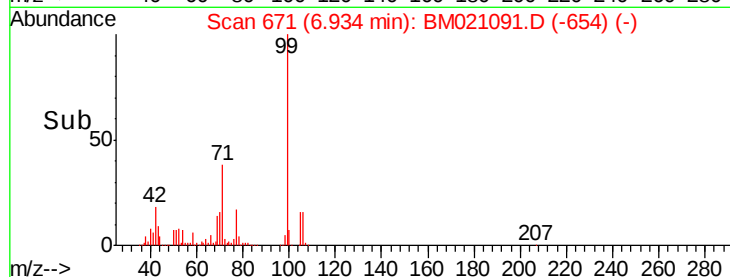
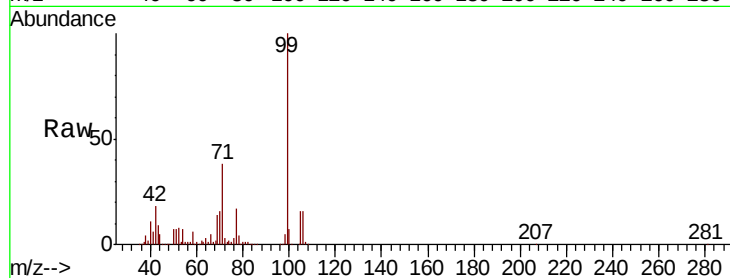
Tgt Ion: 77 Resp: 123305

Ion Ratio Lower Upper

77 100

105 97.4 77.8 117.8

106 92.8 71.8 111.8



#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

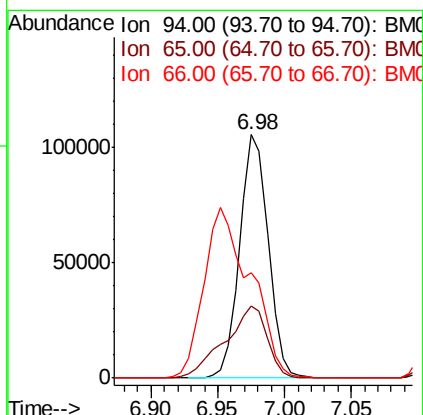
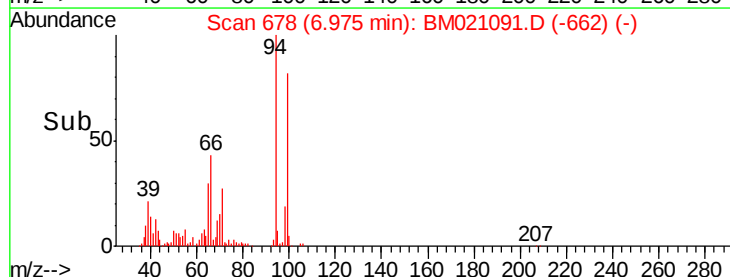
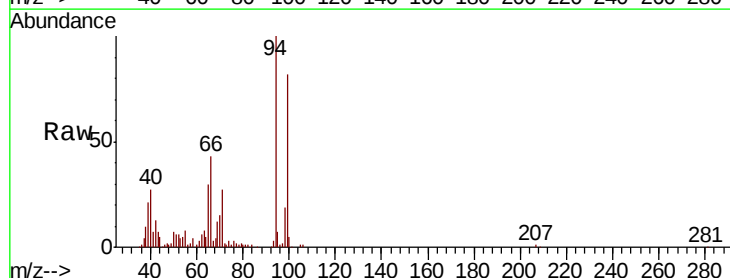
Tgt Ion: 94 Resp: 155501

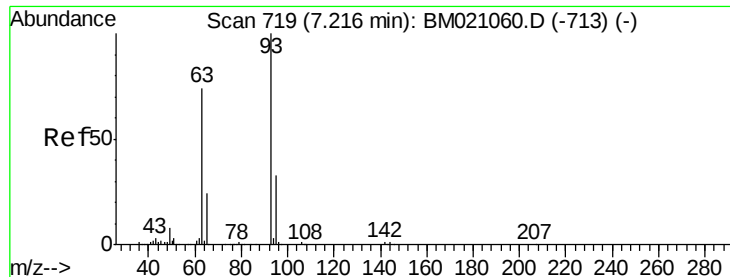
Ion Ratio Lower Upper

94 100

65 29.7 8.7 48.7

66 43.3 19.0 59.0

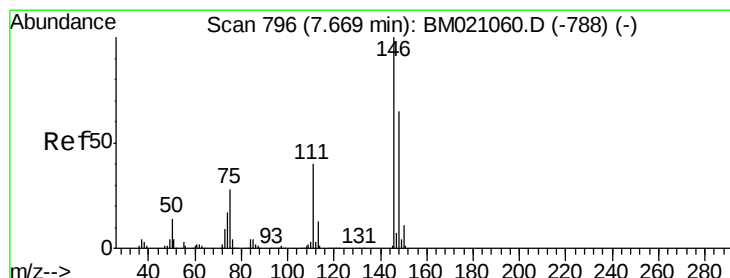
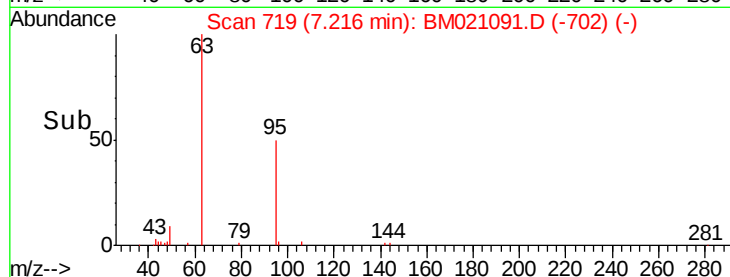
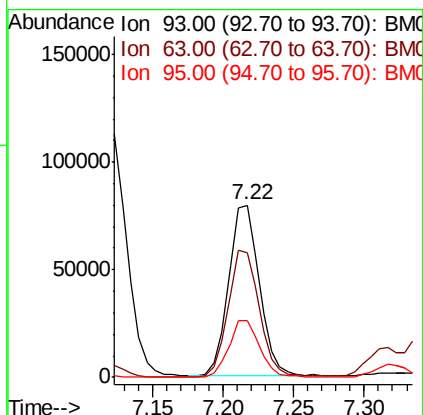
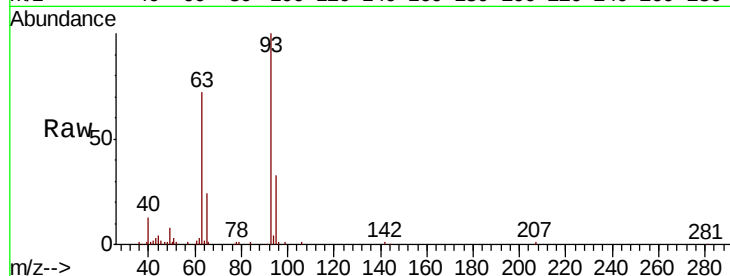




#11
bis(2-Chloroethyl)ether
Concen: 7.093 ng
RT: 7.22 min Scan# 719
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

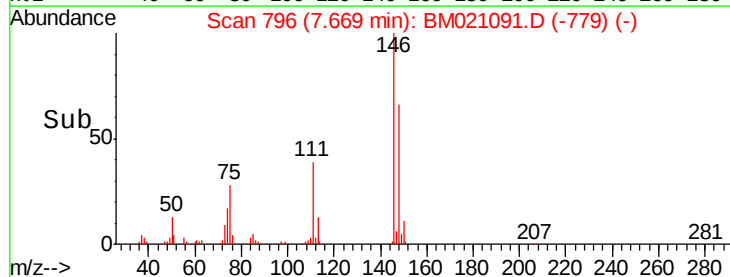
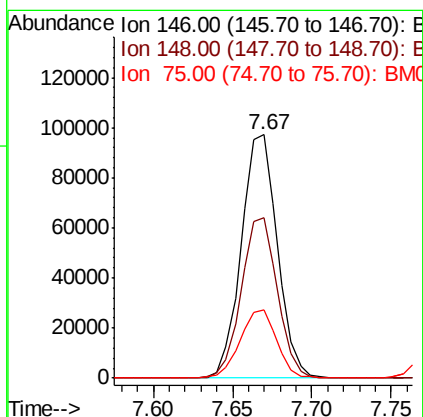
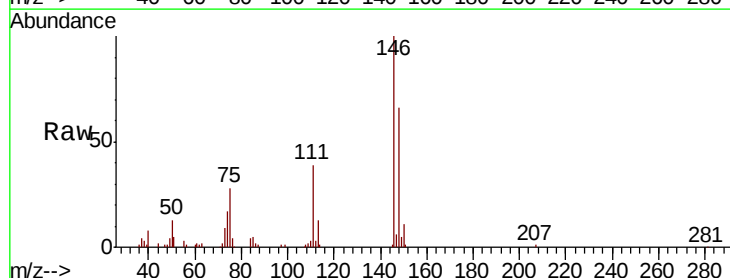
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

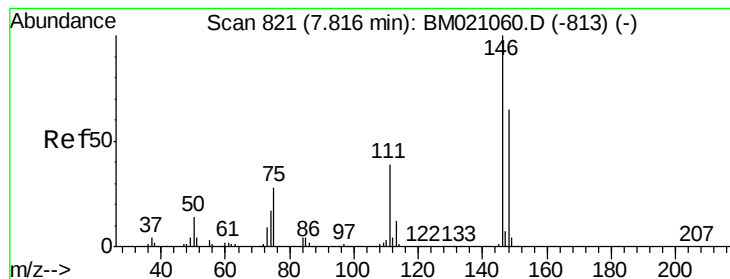
Tgt Ion	Ratio	Lower	Upper
93	100		
63	72.5	53.4	93.4
95	32.9	13.0	53.0



#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

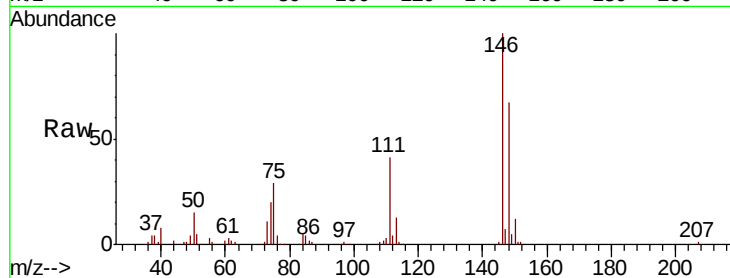
Tgt Ion:146 Resp: 157777

Ion Ratio Lower Upper

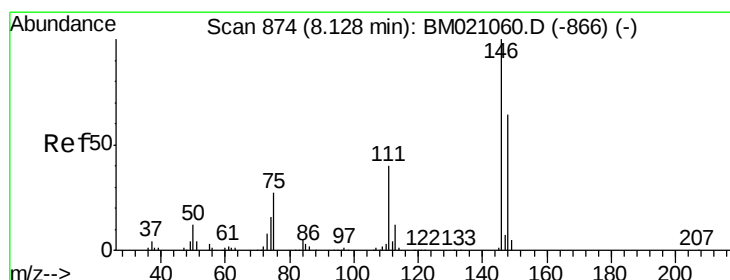
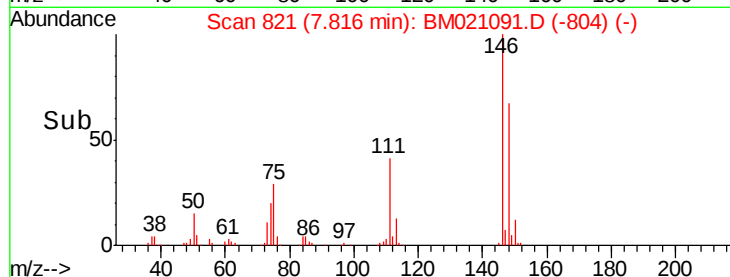
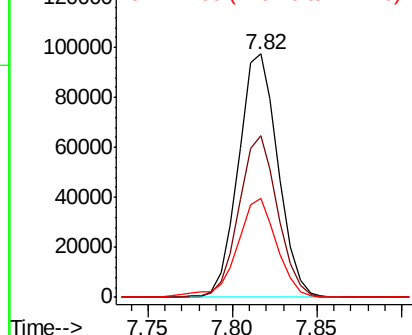
146 100

148 66.6 51.9 77.9

111 40.5 31.4 47.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#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

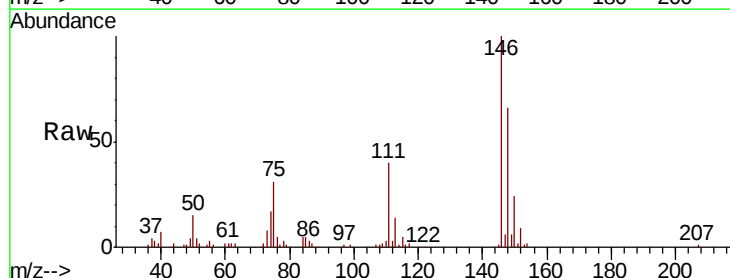
Tgt Ion:146 Resp: 152107

Ion Ratio Lower Upper

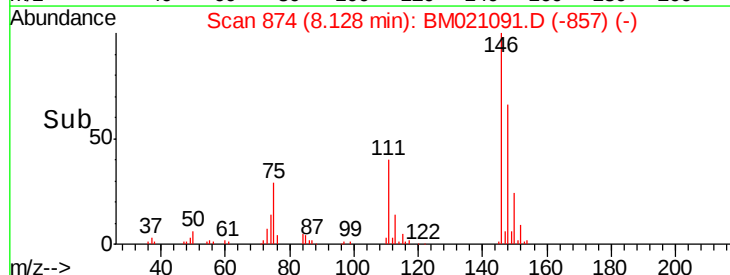
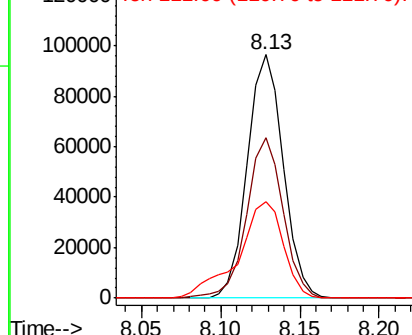
146 100

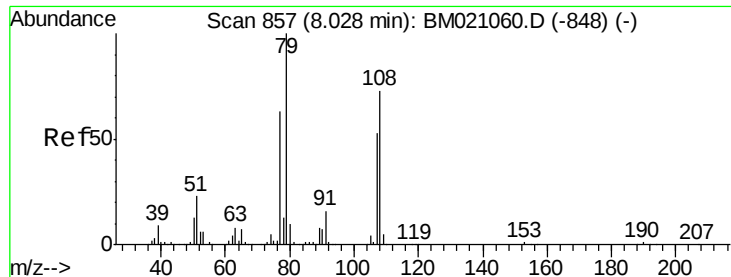
148 66.0 51.2 76.8

111 39.6 32.8 49.2



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#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

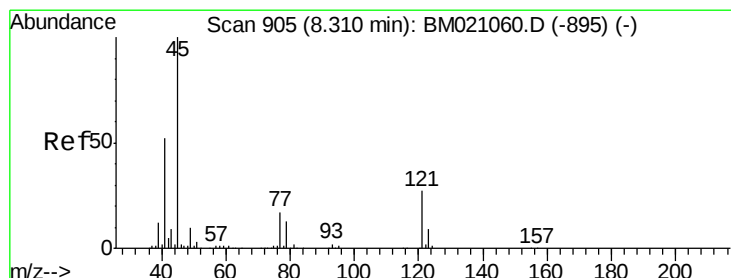
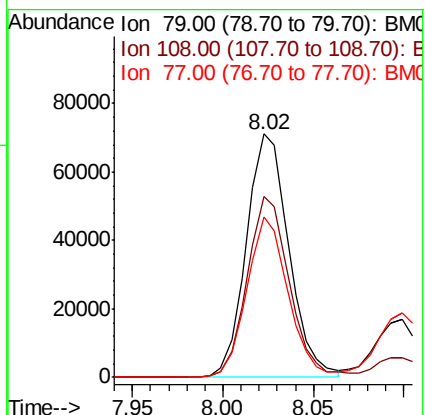
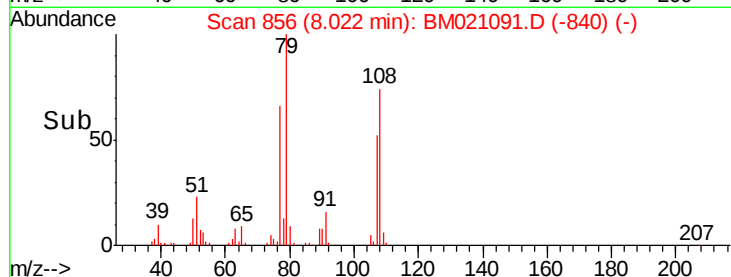
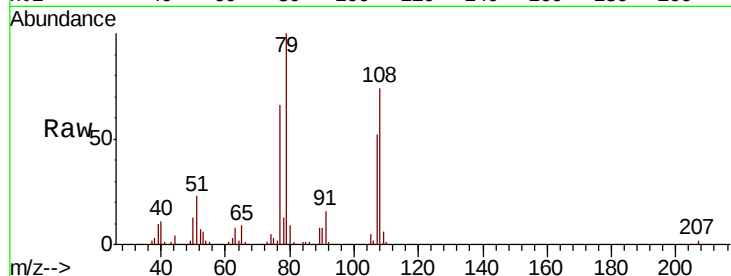
Tgt Ion: 79 Resp: 116296

Ion Ratio Lower Upper

79 100

108 74.5 58.4 87.6

77 65.8 50.1 75.1



#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

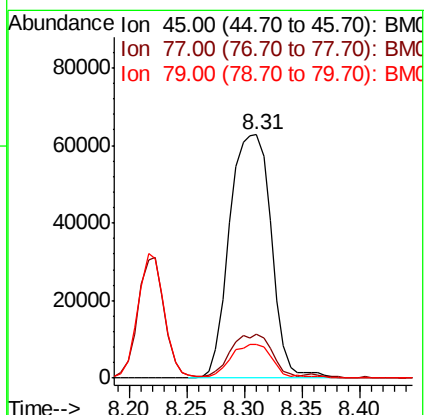
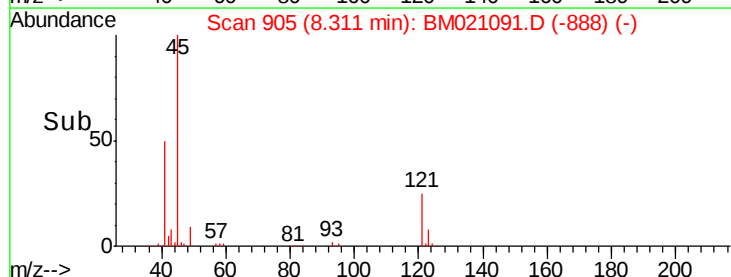
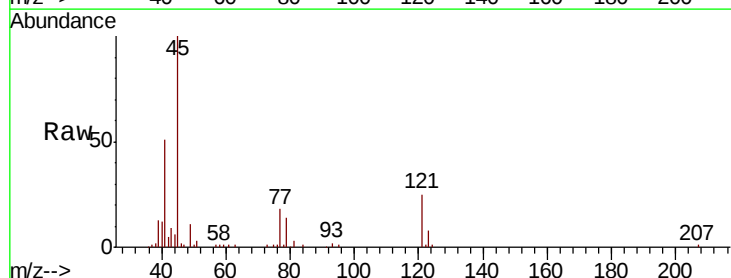
Tgt Ion: 45 Resp: 157406

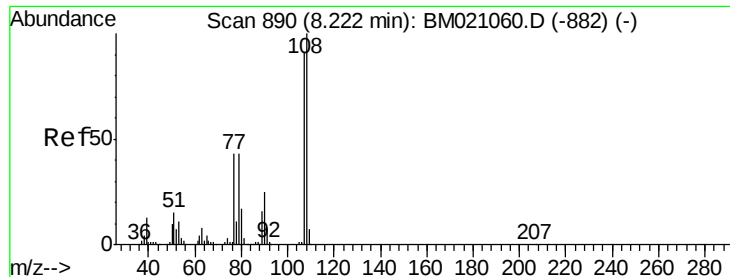
Ion Ratio Lower Upper

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

Tgt Ion:107 Resp: 106582

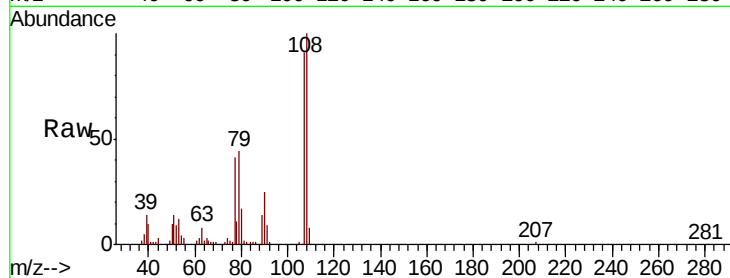
Ion Ratio Lower Upper

107 100

108 110.4 87.5 131.3

77 45.7 37.8 56.8

79 48.3 37.5 56.3

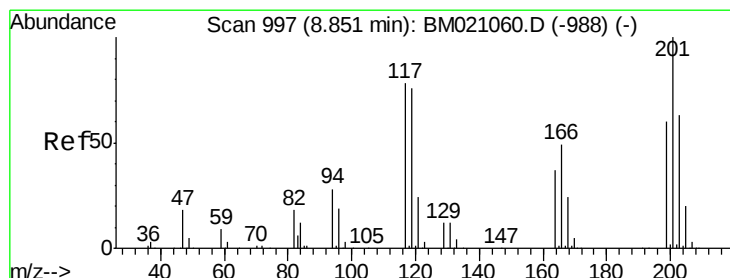
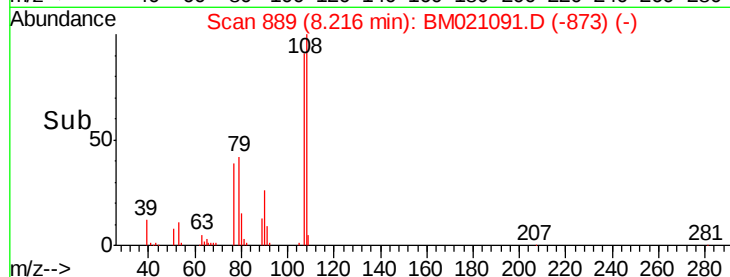
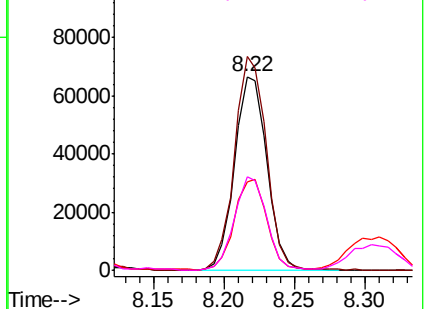


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0



#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

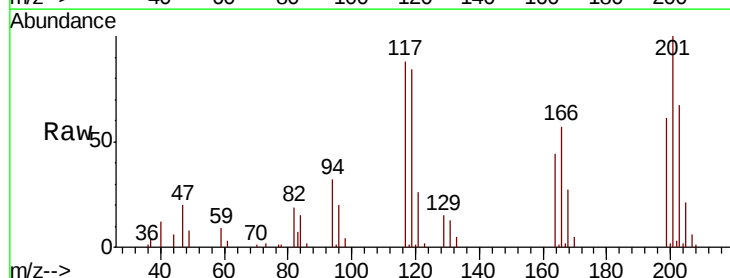
Tgt Ion:117 Resp: 54538

Ion Ratio Lower Upper

117 100

119 95.8 77.5 116.3

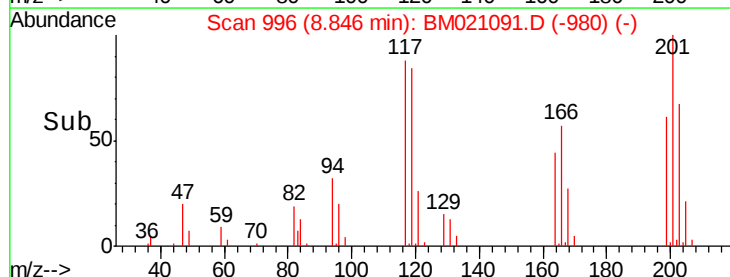
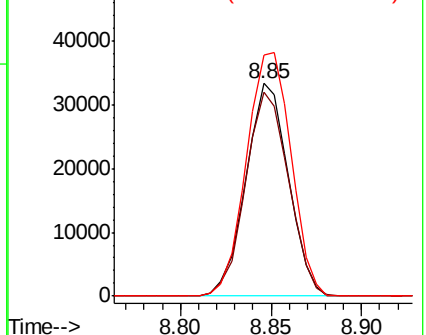
201 113.6 102.3 153.5

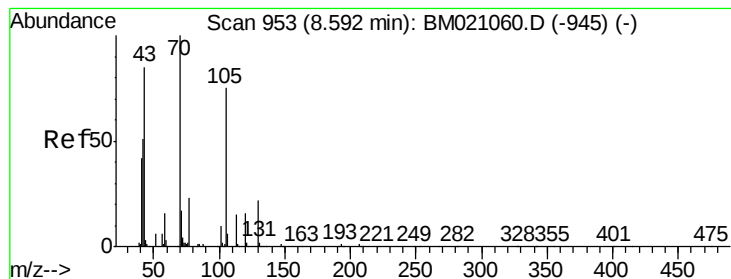


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#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

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tgt Ion: 70 Resp: 109098

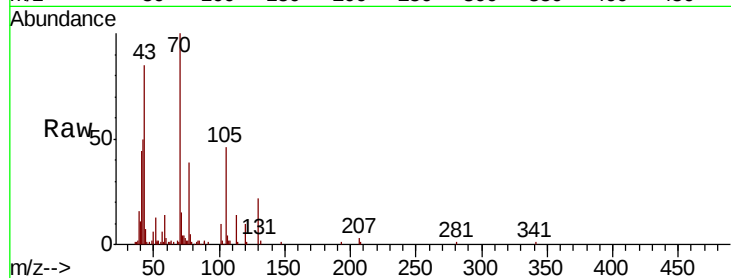
Ion Ratio Lower Upper

70 100

42 50.5 41.9 62.9

101 9.6 8.1 12.1

130 22.5 17.5 26.3

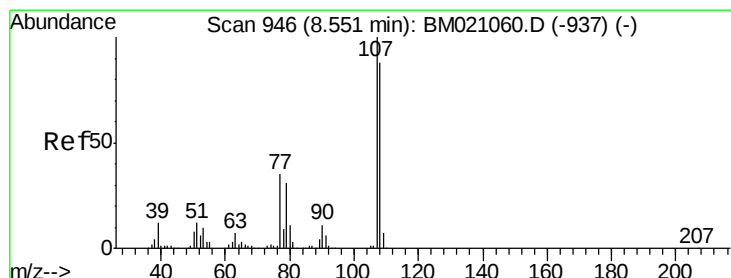
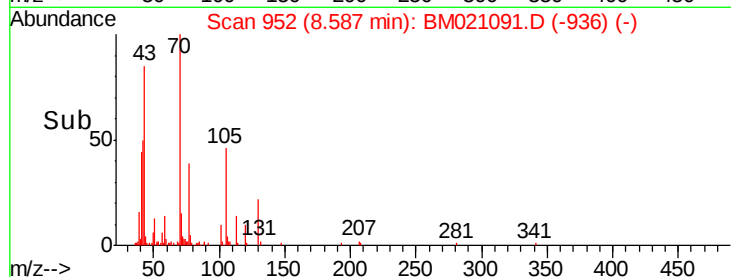
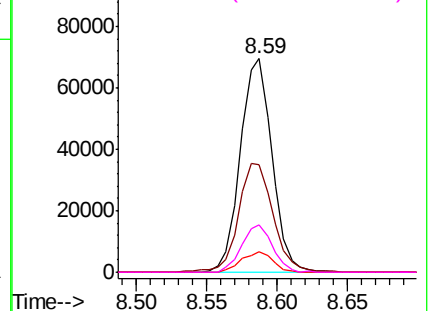


Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#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:107 Resp: 142081

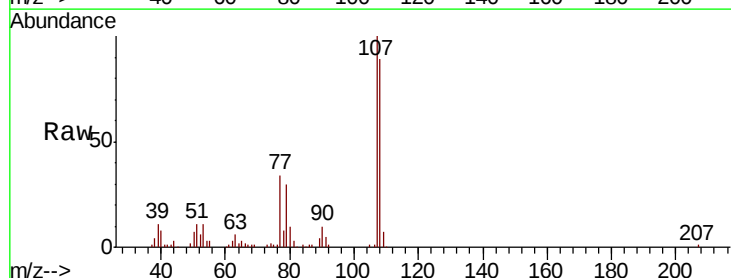
Ion Ratio Lower Upper

107 100

108 88.7 67.9 107.9

77 34.1 14.6 54.6

79 29.8 10.8 50.8

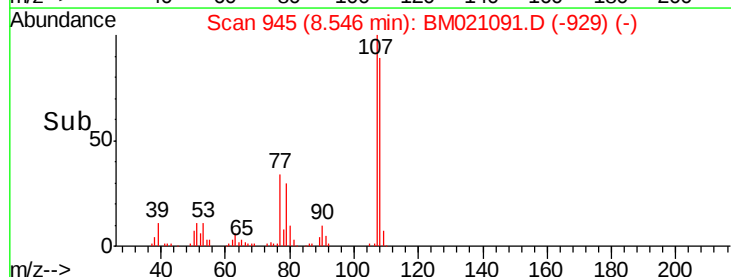
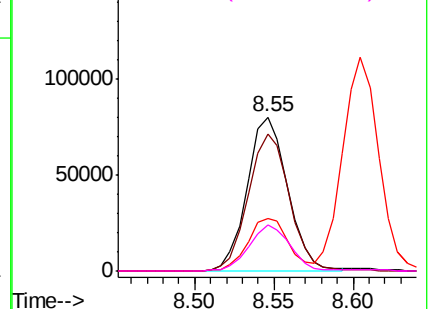


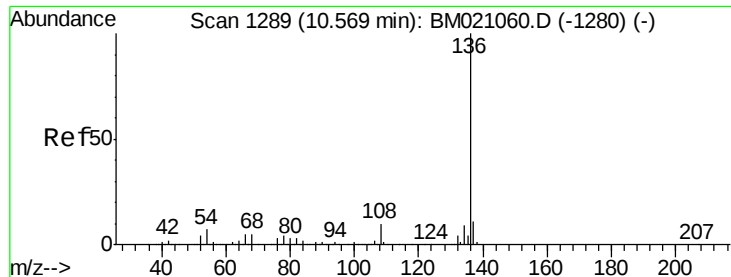
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0





#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 :

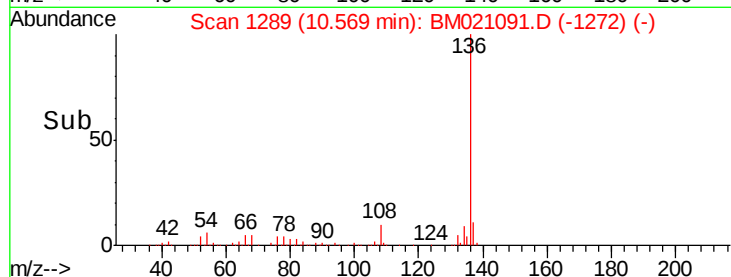
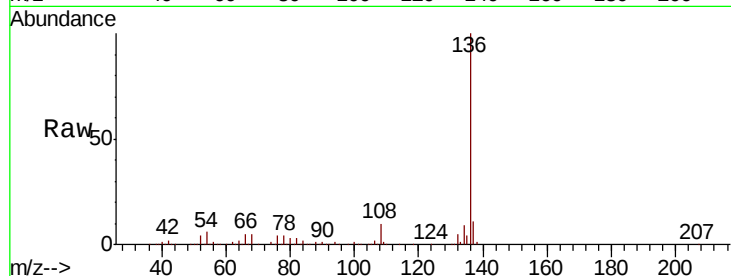
BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:136 Resp: 1062427

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

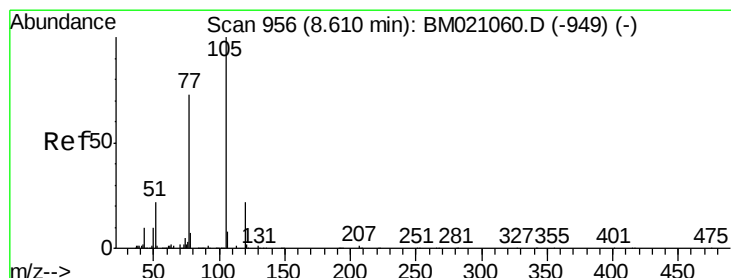


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22

Acetophenone

Concen: 8.424 ng

RT: 8.60 min Scan# 955

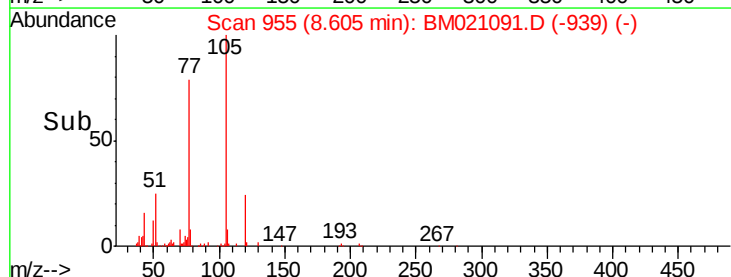
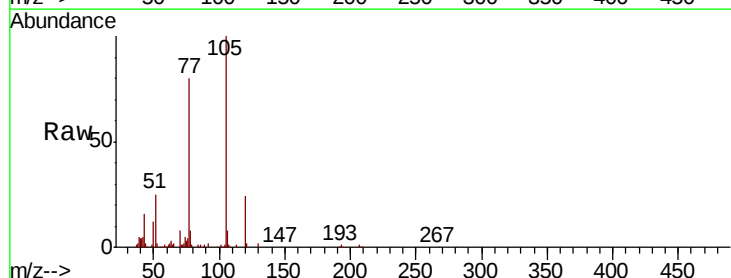
Delta R.T. -0.01 min

Lab File: BM021091.D

Acq: 22 Jun 2019 08:58

Tgt Ion:105 Resp: 228081

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

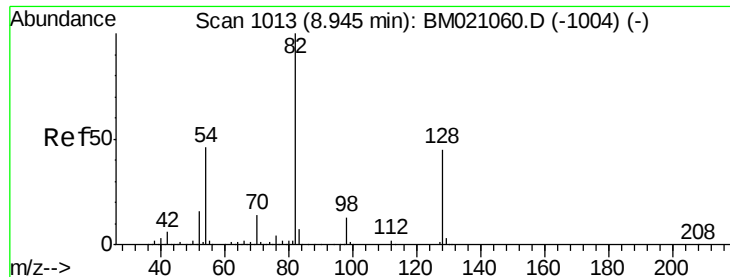


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

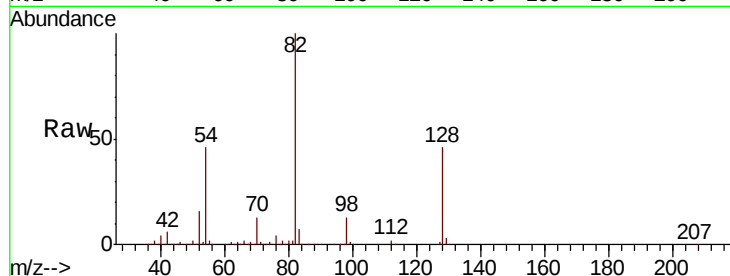
Ion 120.00 (119.70 to 120.70): E



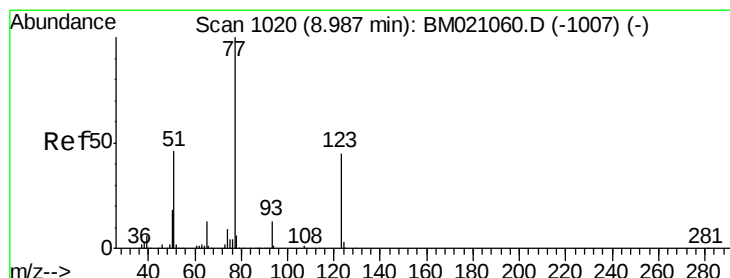
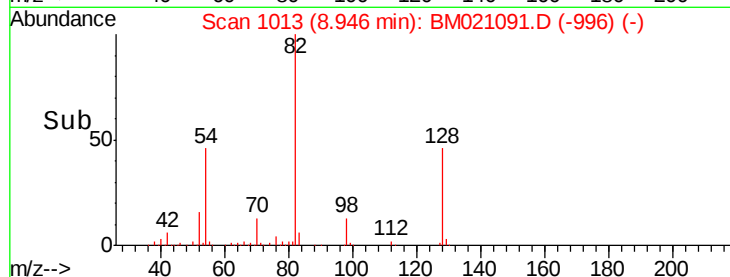
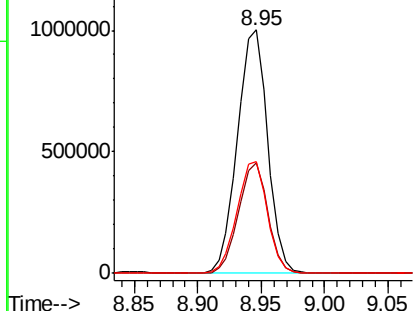
#23
Nitrobenzene-d5
Concen: 81.465 ng
RT: 8.95 min Scan# 1013
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

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

Tgt Ion: 82 Resp: 1660705
Ion Ratio Lower Upper
82 100
128 45.5 35.9 53.9
54 45.9 36.6 55.0

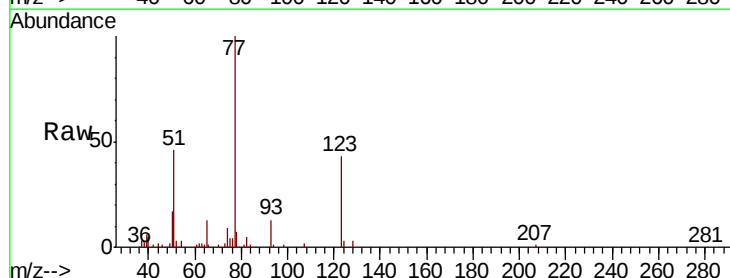


Abundance Ion 82.00 (81.70 to 82.70): BM021060.D (-1004) (-)
Ion 128.00 (127.70 to 128.70): BM021060.D (-1004) (-)
Ion 54.00 (53.70 to 54.70): BM021060.D (-1004) (-)

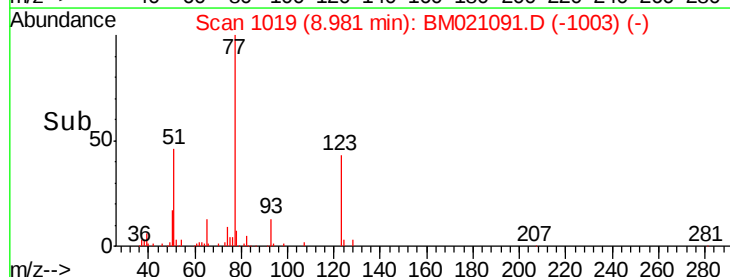
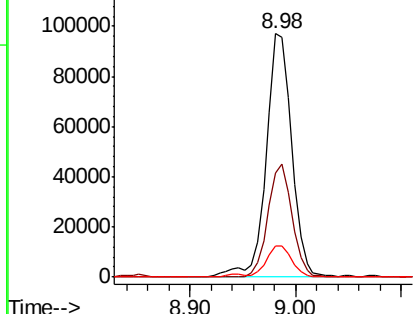


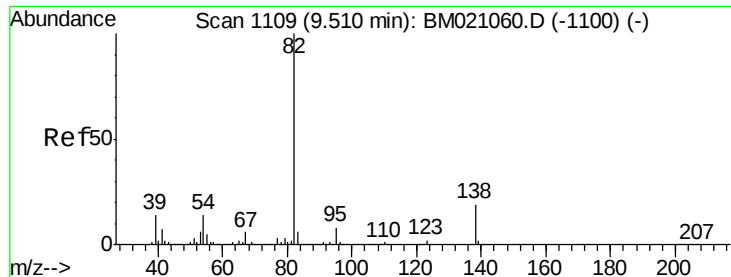
#24
Nitrobenzene
Concen: 8.084 ng
RT: 8.98 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion: 77 Resp: 163245
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) (-)

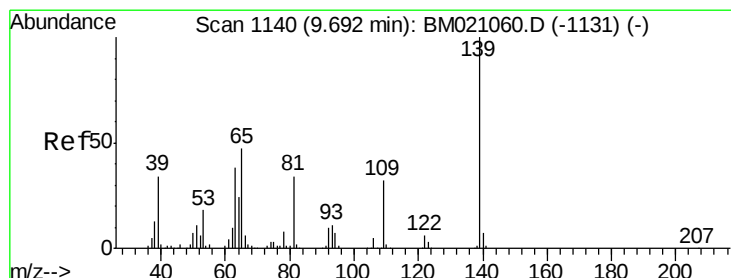
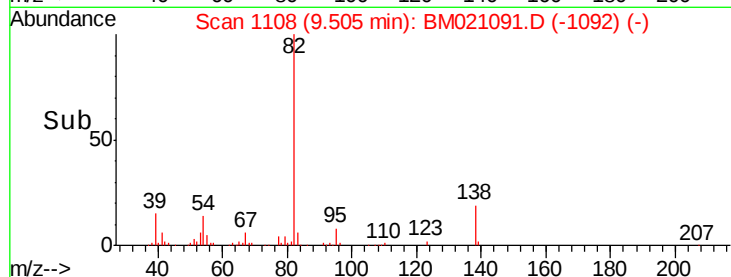
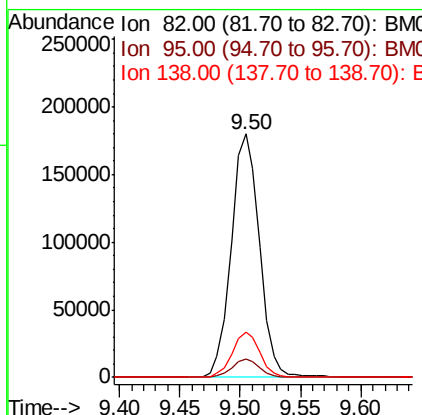
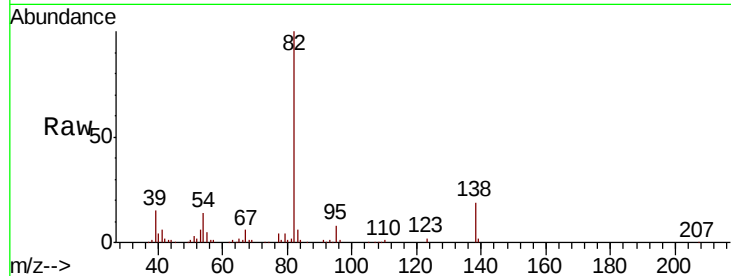




#25
Isophorone
Concen: 7.688 ng
RT: 9.50 min Scan# 1108
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

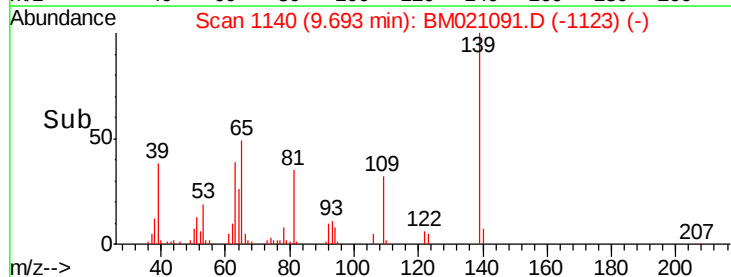
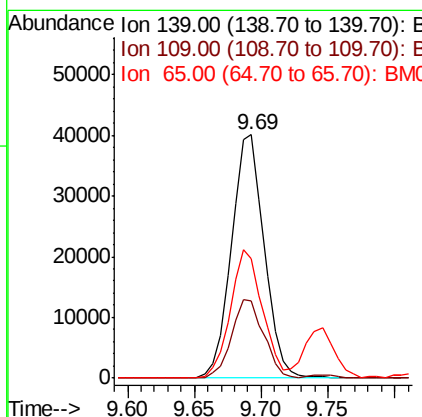
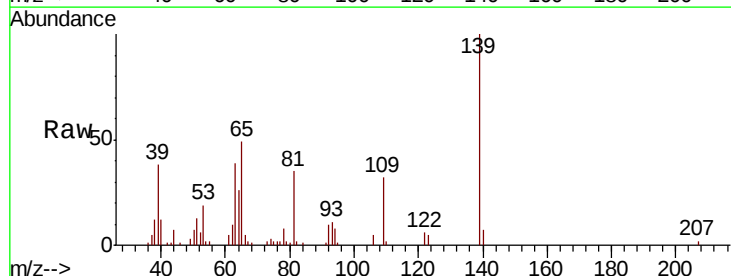
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

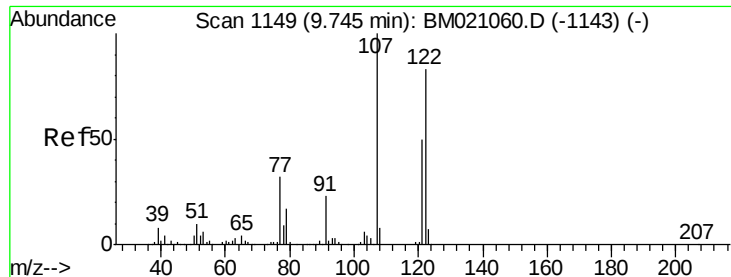
Tgt Ion: 82 Resp: 293228
Ion Ratio Lower Upper
82 100
95 7.7 6.1 9.1
138 18.7 15.0 22.6



#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

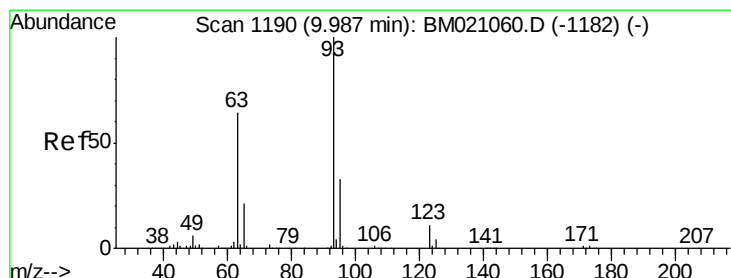
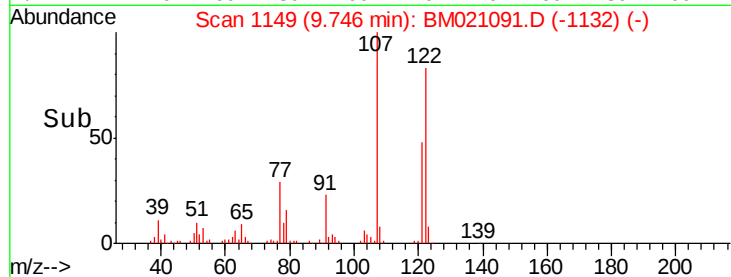
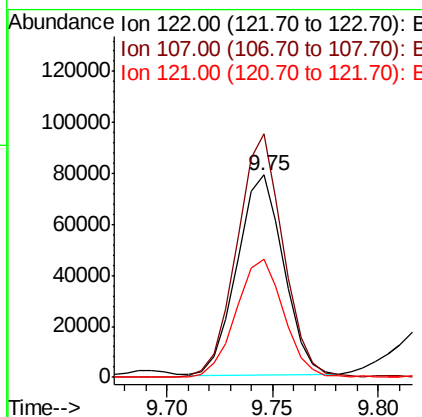
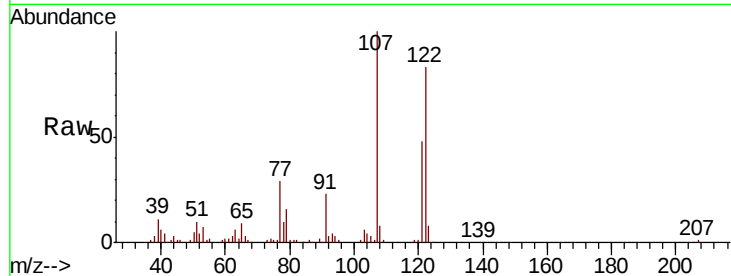




#27
 2,4-Dimethylphenol
 Concen: 8.361 ng
 RT: 9.75 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: BM021091.D
 Acq: 22 Jun 2019 08:58

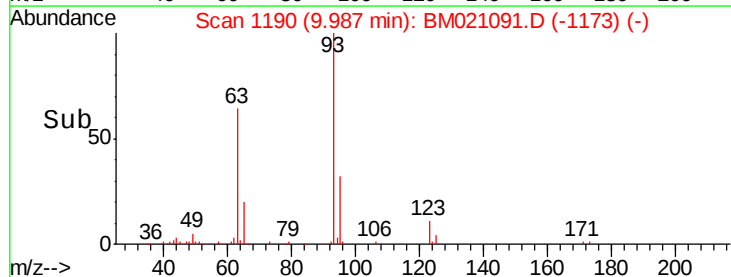
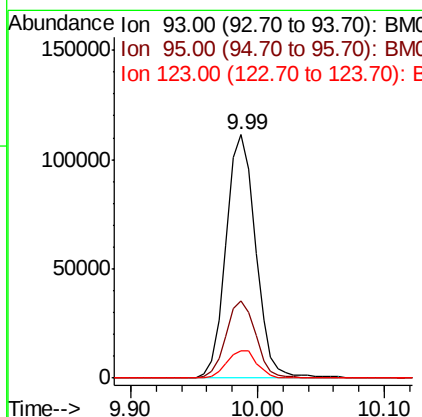
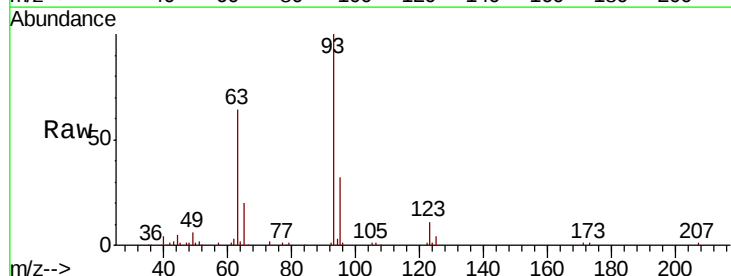
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

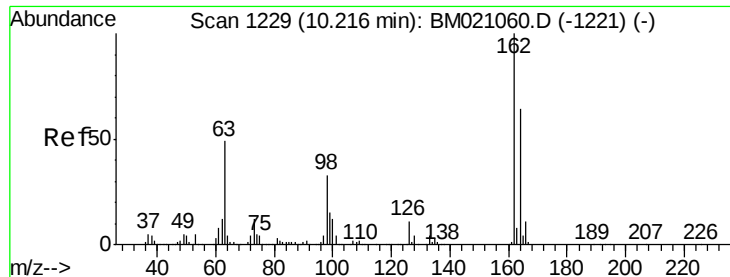
Tgt Ion: 122 Resp: 120579
 Ion Ratio Lower Upper
 122 100
 107 120.3 95.3 142.9
 121 58.3 47.5 71.3



#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: 93 Resp: 180044
 Ion Ratio Lower Upper
 93 100
 95 31.8 26.2 39.2
 123 11.0 9.0 13.4

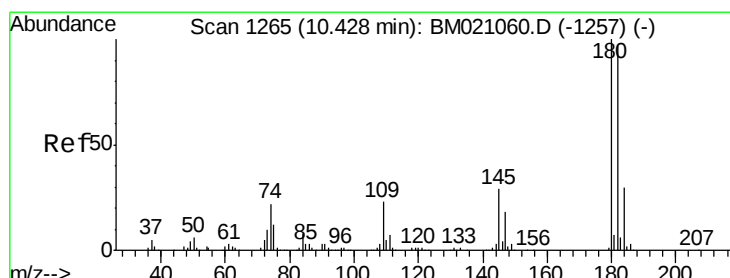
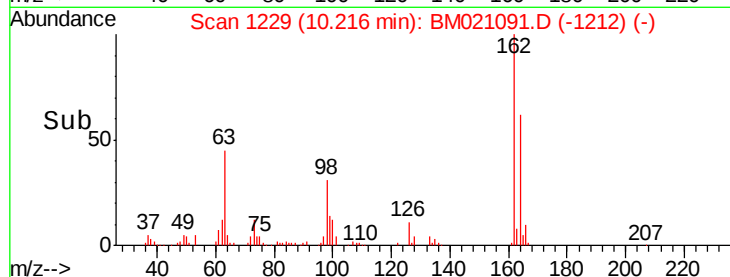
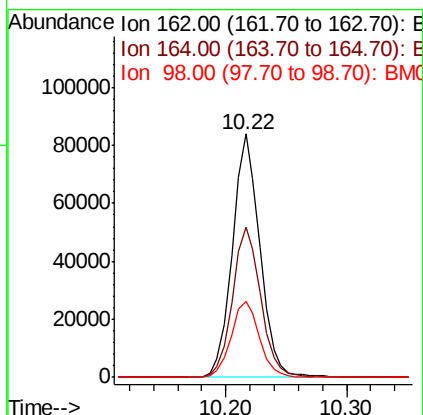
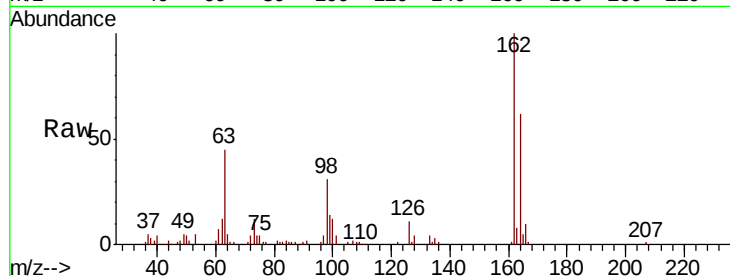




#29
2,4-Dichlorophenol
Concen: 7.151 ng
RT: 10.22 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

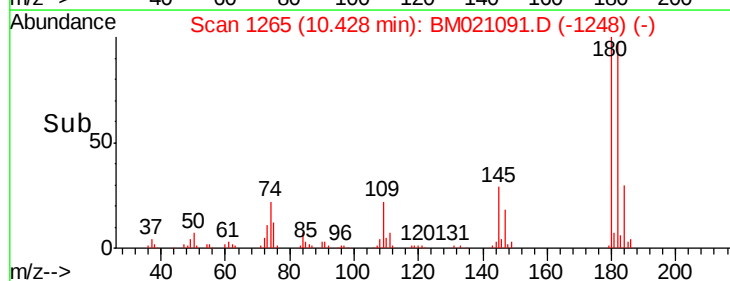
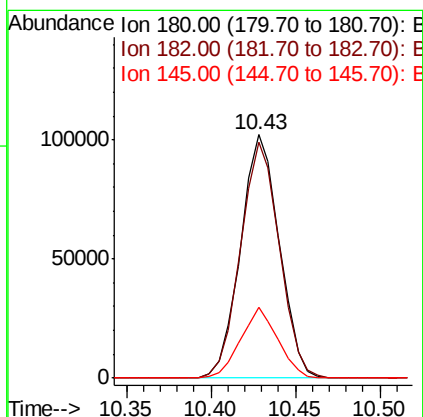
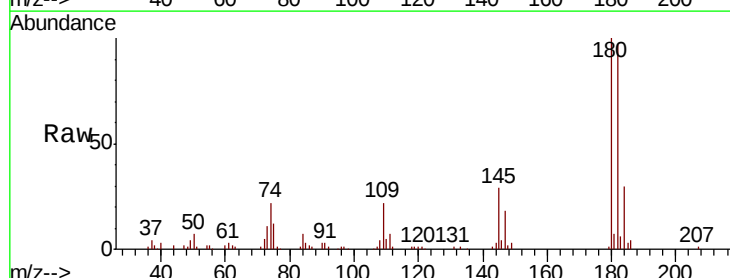
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

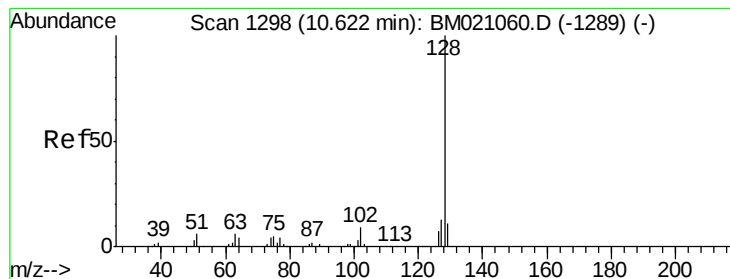
Tgt Ion:162 Resp: 133469
Ion Ratio Lower Upper
162 100
164 61.7 43.7 83.7
98 31.1 13.4 53.4



#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:180 Resp: 163394
Ion Ratio Lower Upper
180 100
182 97.1 78.0 117.0
145 29.0 23.4 35.0

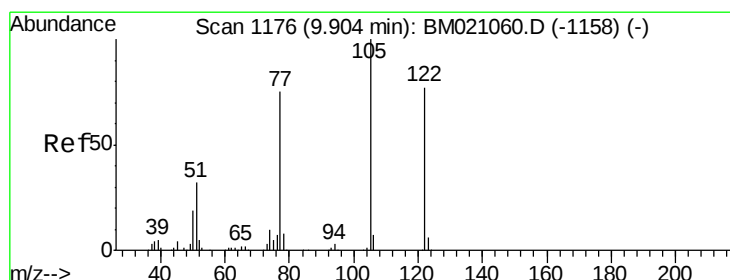
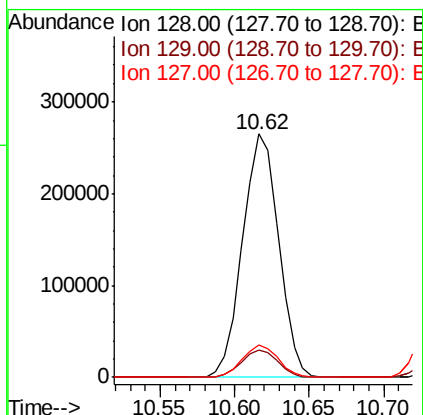
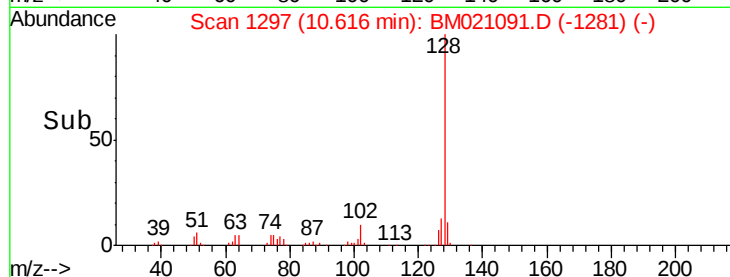
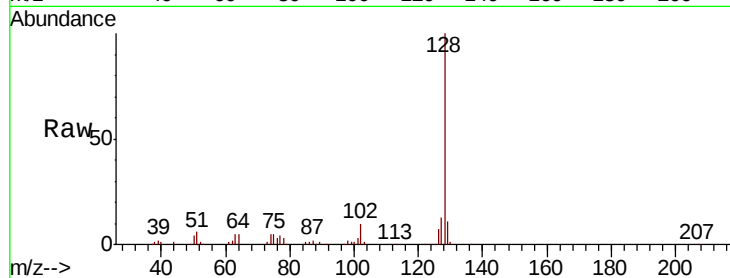




#31
Naphthalene
Concen: 7.898 ng
RT: 10.62 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

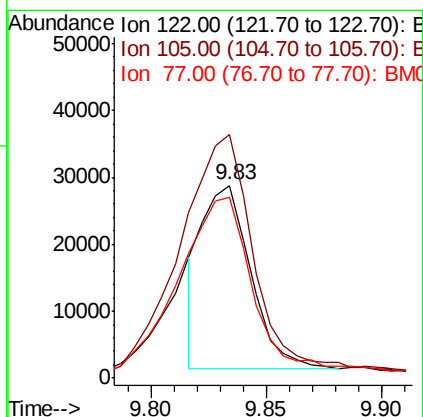
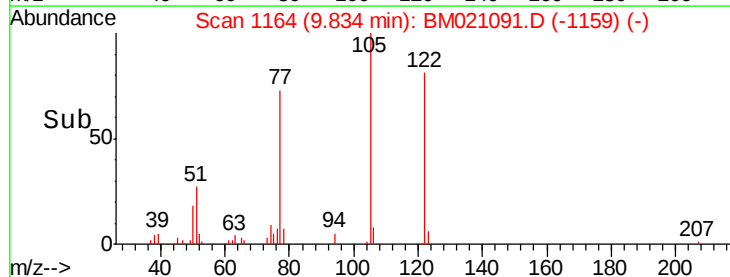
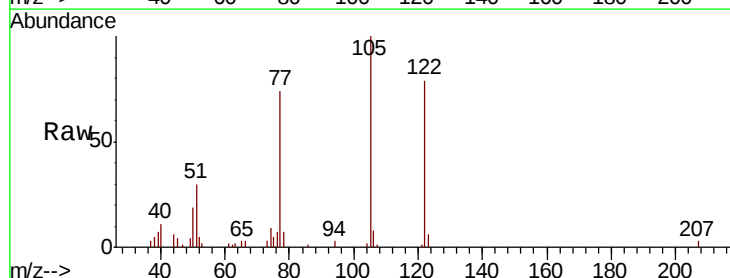
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

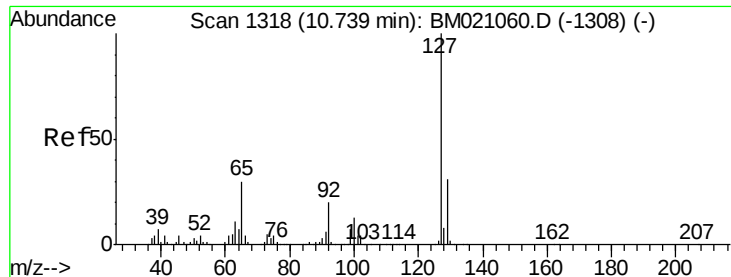
Tgt Ion:128 Resp: 444072
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 13.4 10.8 16.2



#32
Benzoic acid
Concen: 3.490 ng
RT: 9.83 min Scan# 1164
Delta R.T. -0.07 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion:122 Resp: 40715
Ion Ratio Lower Upper
122 100
105 126.1 108.9 148.9
77 94.0 76.7 116.7

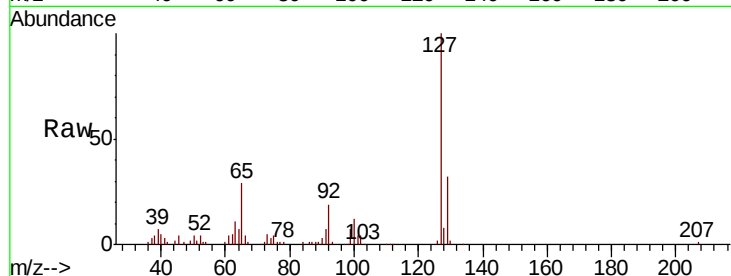




#33
4-Chloroaniline
Concen: 7.124 ng
RT: 10.74 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

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

Tgt Ion:	127	Resp:	181828
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



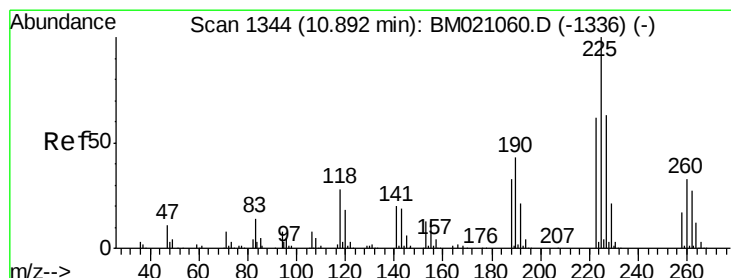
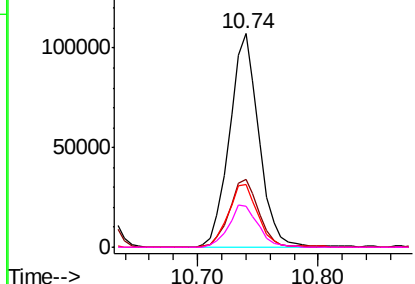
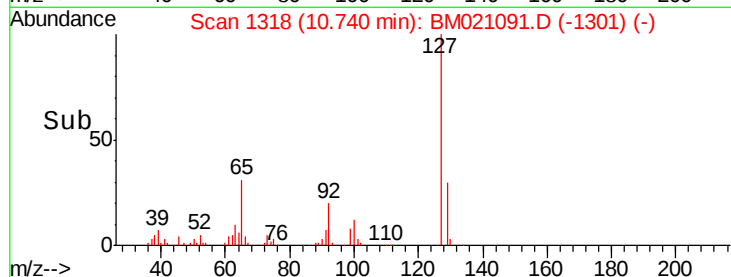
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

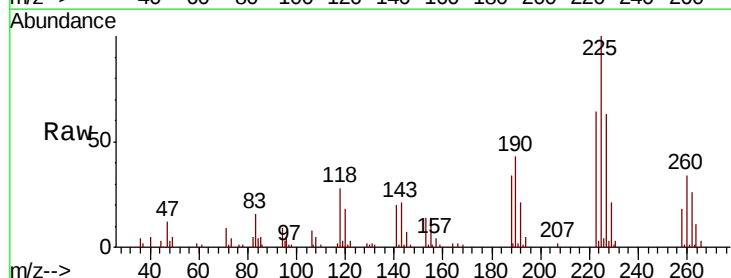
Ion 65.00 (64.70 to 65.70): BM

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:	225	Resp:	99307
Ion	Ratio	Lower	Upper
225	100		
223	63.8	49.6	74.4
227	62.7	50.4	75.6

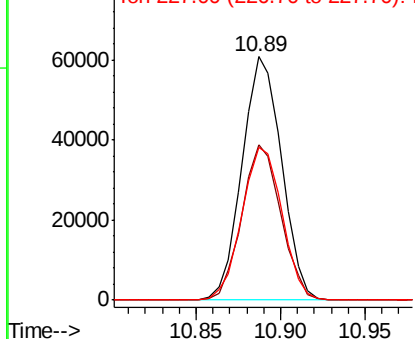
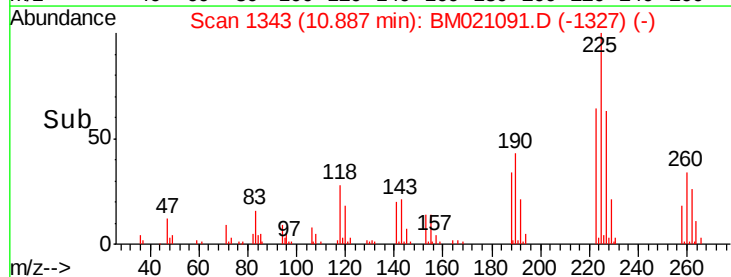


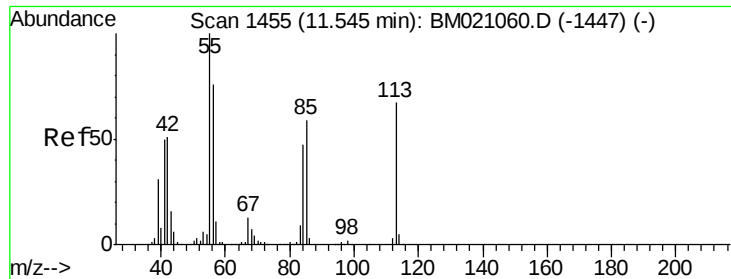
Abundance

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

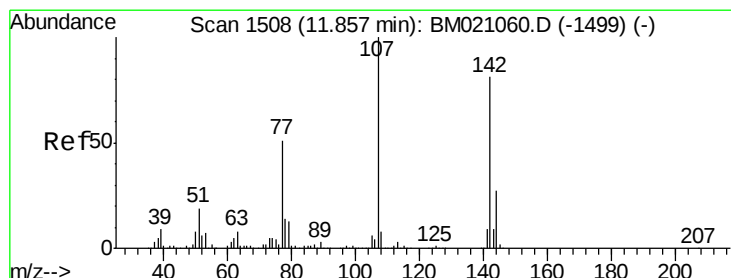
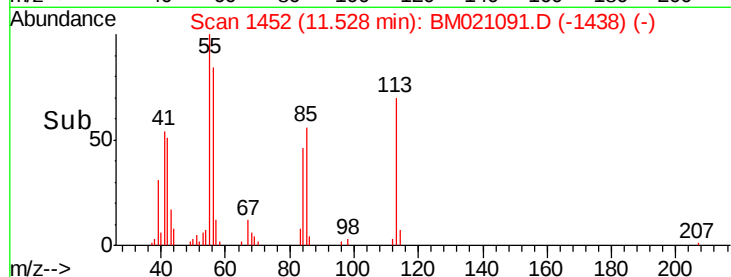
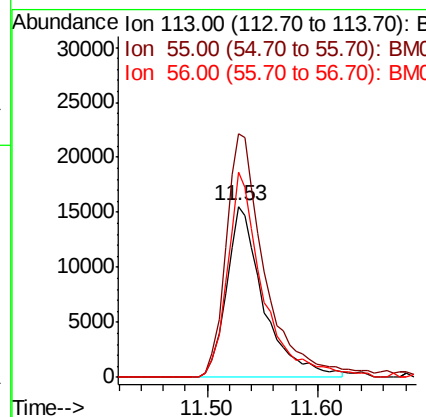
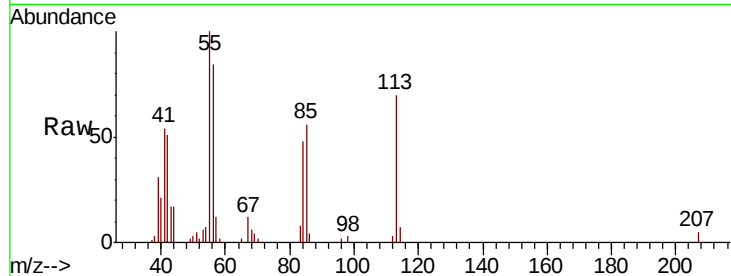




#35
 Caprolactam
 Concen: 6.213 ng
 RT: 11.53 min Scan# 1452
 Delta R.T. -0.02 min
 Lab File: BM021091.D
 Acq: 22 Jun 2019 08:58

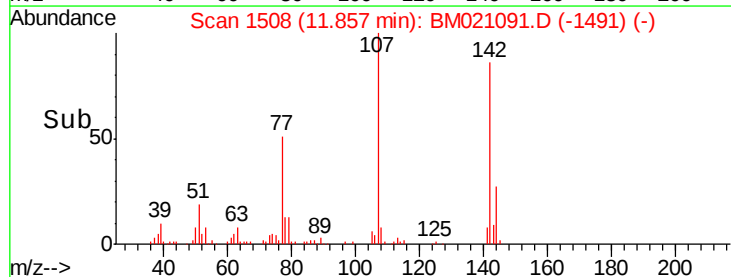
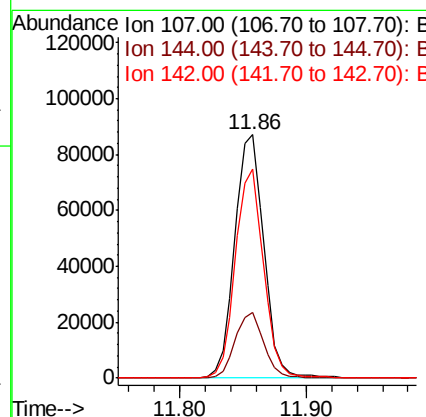
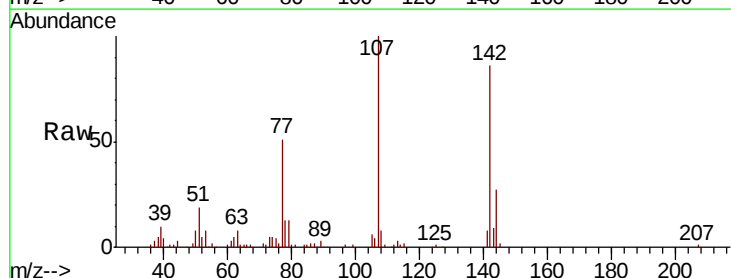
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

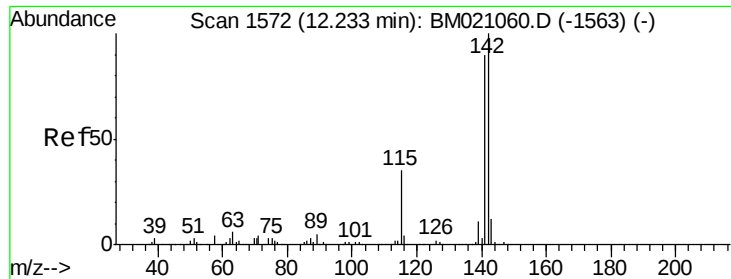
Tgt Ion:113 Resp: 36270
 Ion Ratio Lower Upper
 113 100
 55 142.4 129.8 169.8
 56 120.0 94.3 134.3



#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

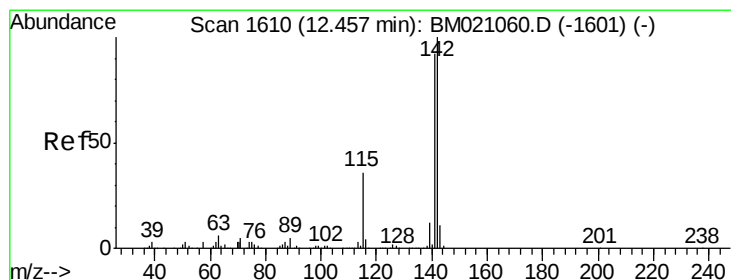
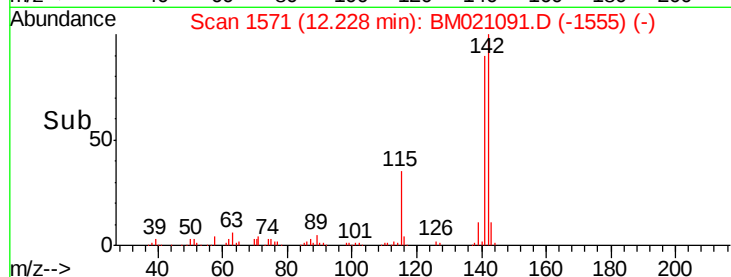
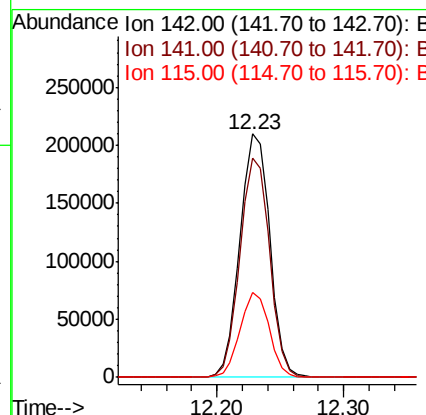
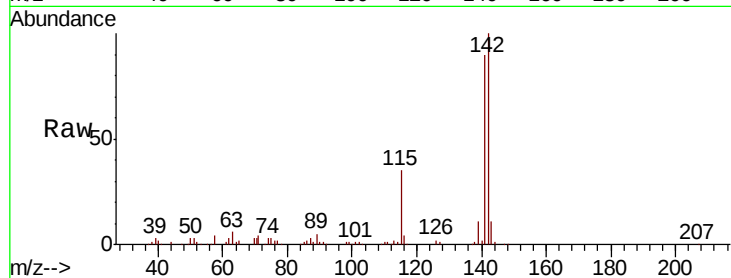




#37
2-Methylnaphthalene
Concen: 7.927 ng
RT: 12.23 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

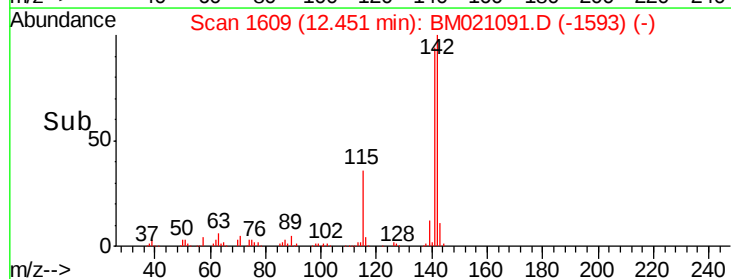
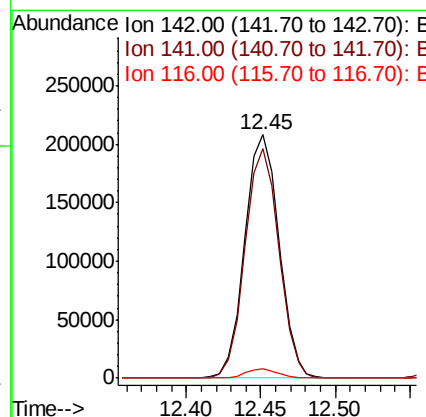
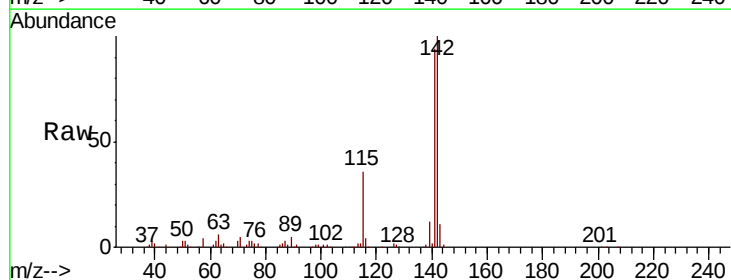
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

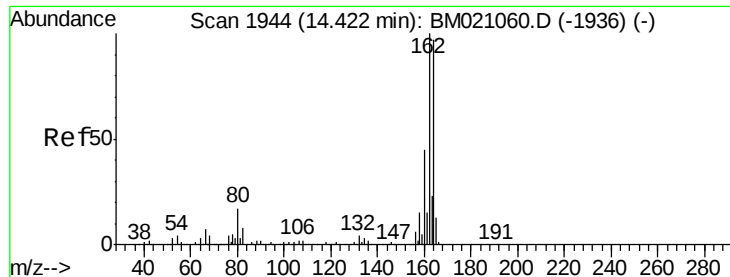
Tgt Ion:142 Resp: 342943
Ion Ratio Lower Upper
142 100
141 90.0 72.2 108.2
115 34.8 27.9 41.9



#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:142 Resp: 331038
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

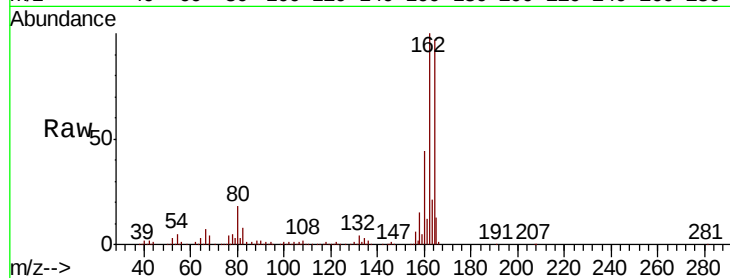
Tgt Ion:164 Resp: 687199

Ion Ratio Lower Upper

164 100

162 103.4 82.1 123.1

160 45.7 37.1 55.7

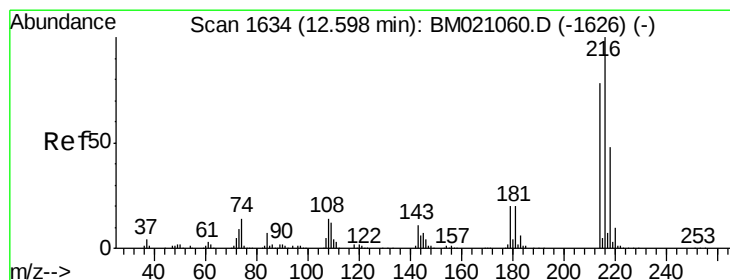
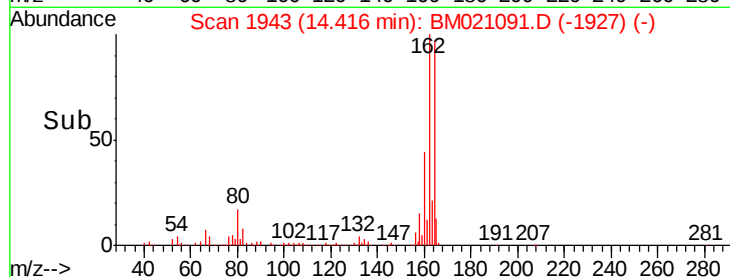
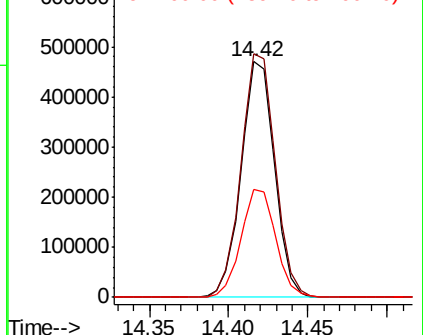


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#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:216 Resp: 209298

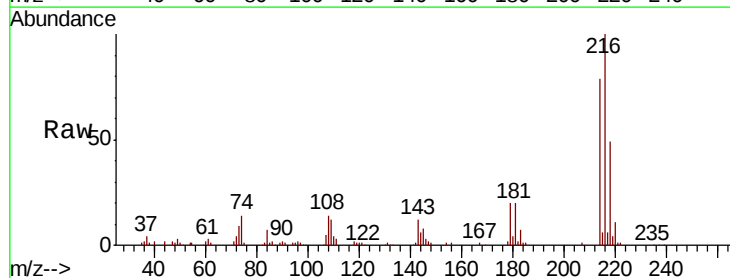
Ion Ratio Lower Upper

216 100

214 78.5 63.0 94.6

179 20.4 16.4 24.6

108 15.3 12.5 18.7



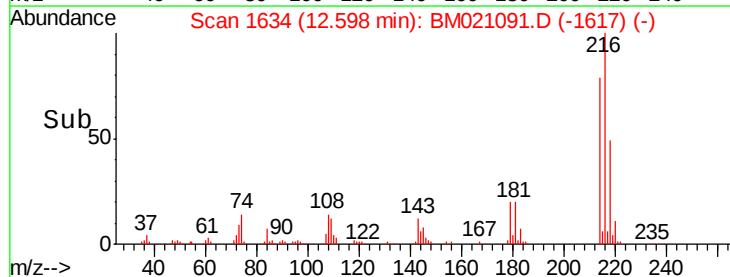
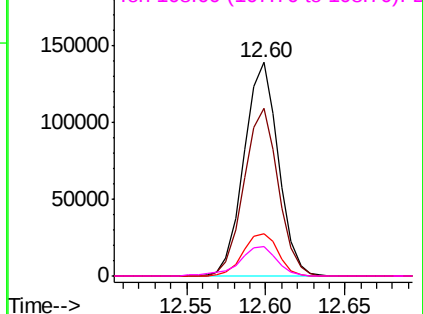
Abundance

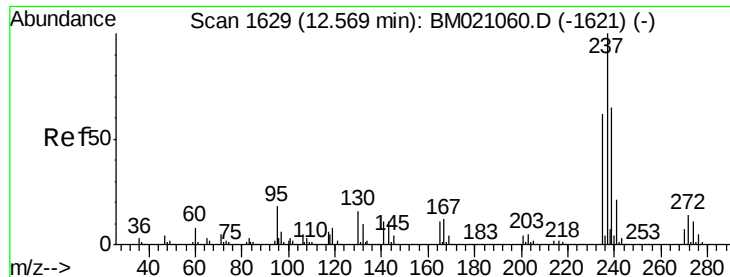
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#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

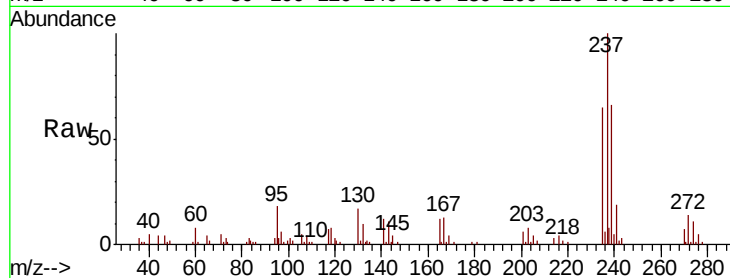
Tgt Ion:237 Resp: 91088

Ion Ratio Lower Upper

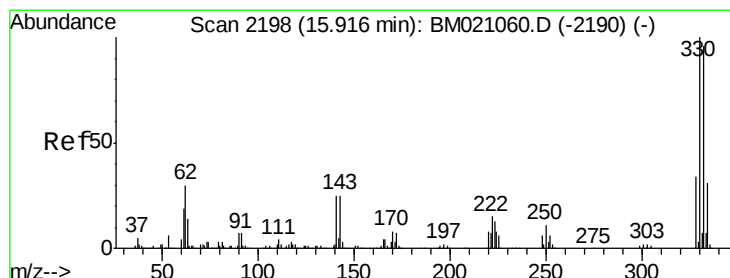
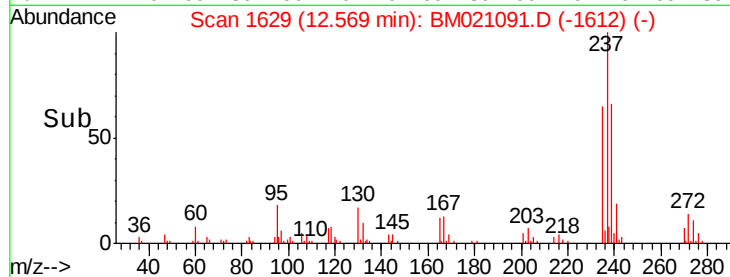
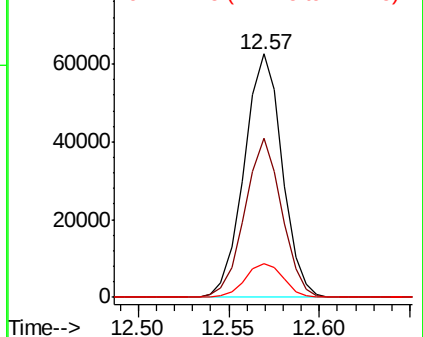
237 100

235 65.4 41.7 81.7

272 13.8 0.0 34.1



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

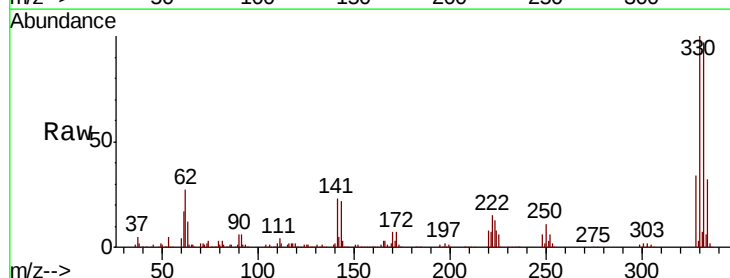
Tgt Ion:330 Resp: 1647283

Ion Ratio Lower Upper

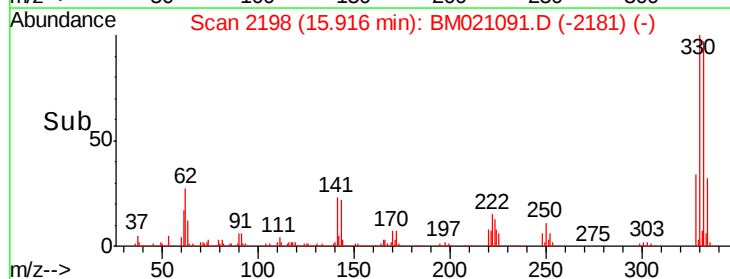
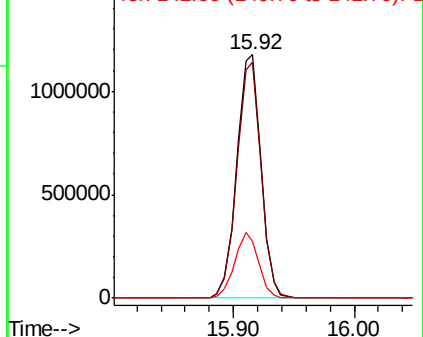
330 100

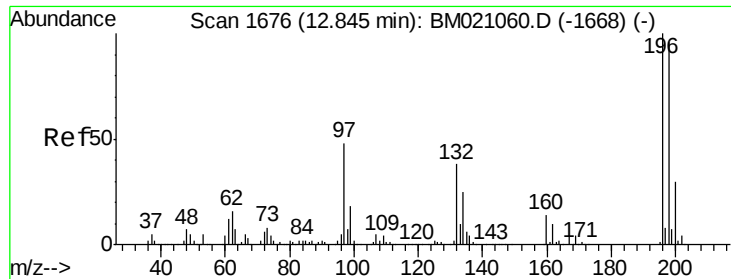
332 96.7 77.1 115.7

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

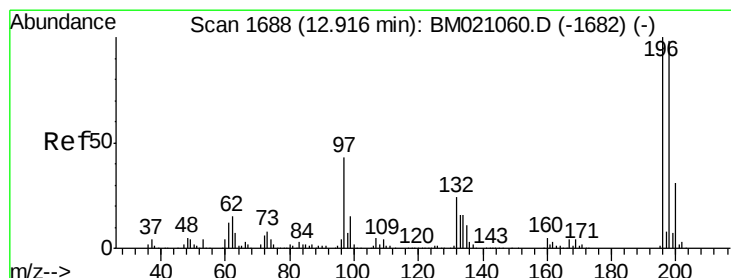
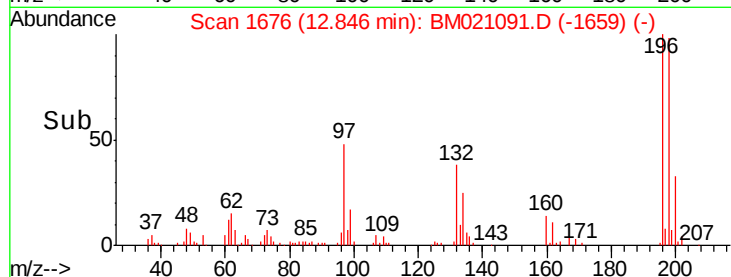
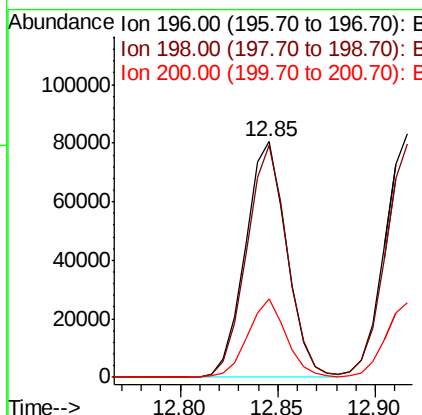
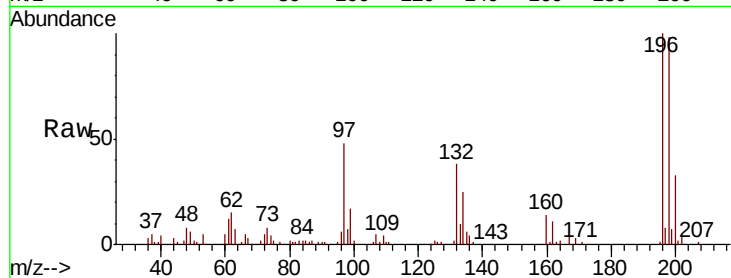




#43
 2,4,6-Trichlorophenol
 Concen: 6.900 ng
 RT: 12.85 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: BM021091.D
 Acq: 22 Jun 2019 08:58

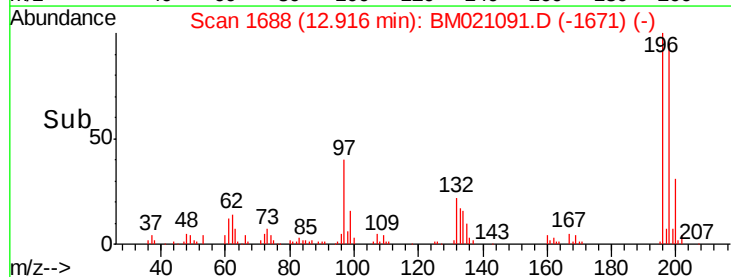
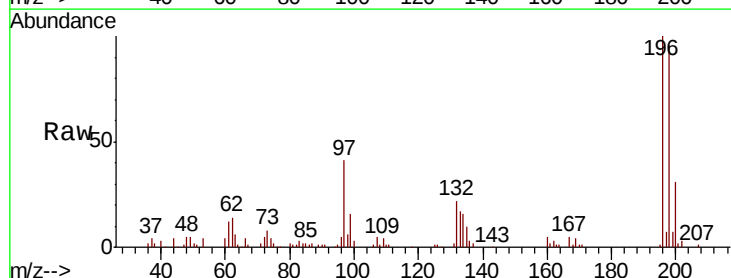
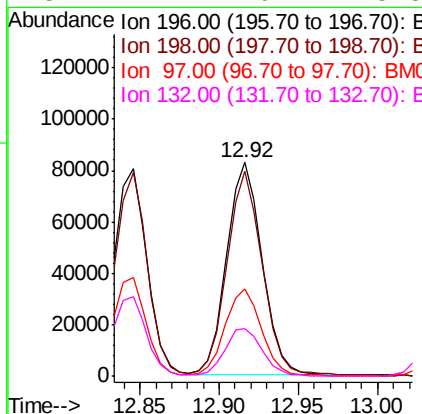
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

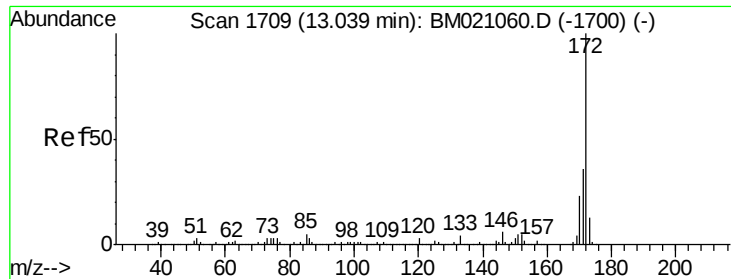
Tgt Ion:196 Resp: 118752
 Ion Ratio Lower Upper
 196 100
 198 98.4 76.7 115.1
 200 33.2 24.2 36.4



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

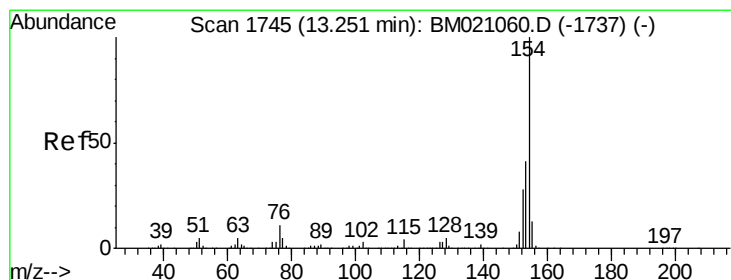
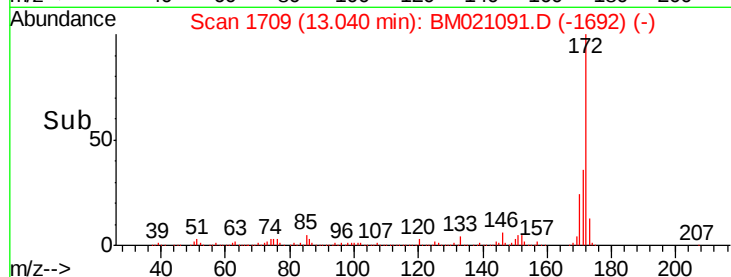
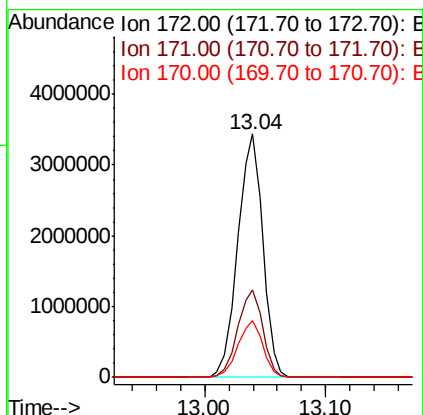
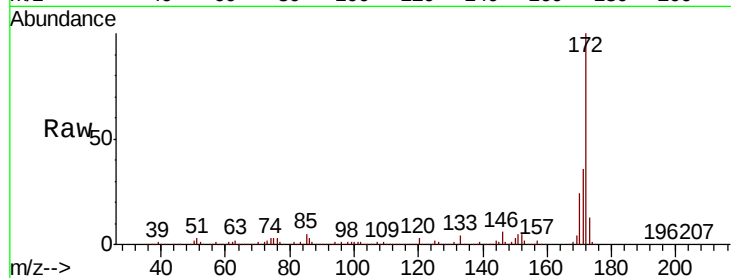




#45
2-Fluorobiphenyl
Concen: 88.870 ng
RT: 13.04 min Scan# 1709
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

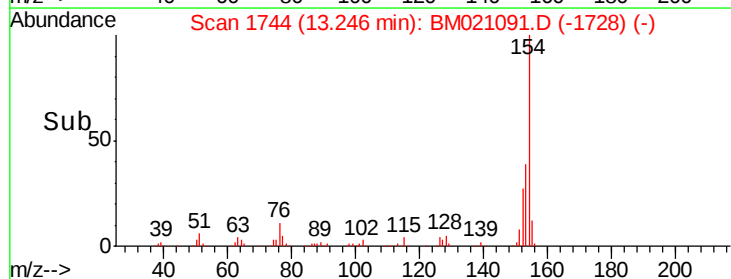
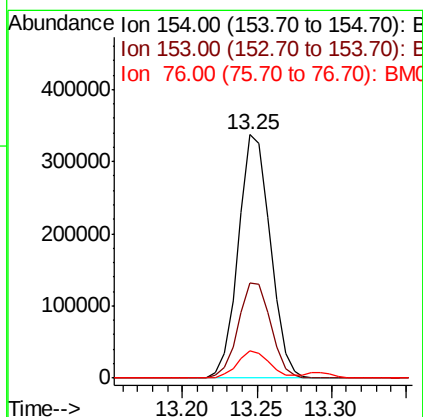
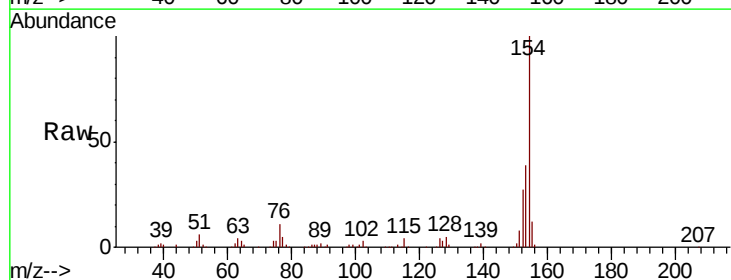
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

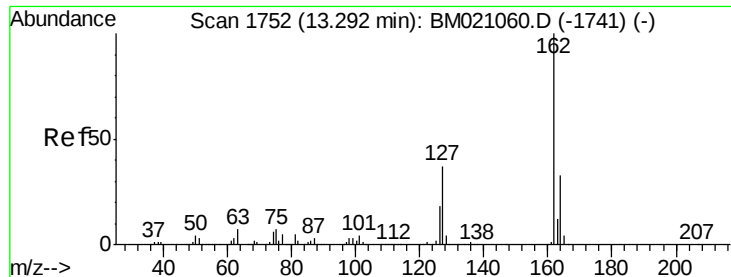
Tgt Ion:172 Resp: 4969210
Ion Ratio Lower Upper
172 100
171 36.1 28.6 43.0
170 23.5 18.7 28.1



#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:154 Resp: 500821
Ion Ratio Lower Upper
154 100
153 39.3 21.3 61.3
76 11.4 0.0 30.9

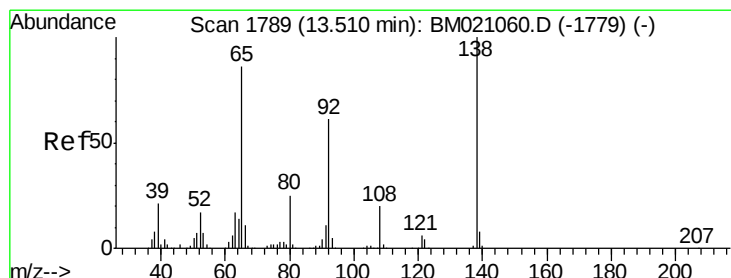
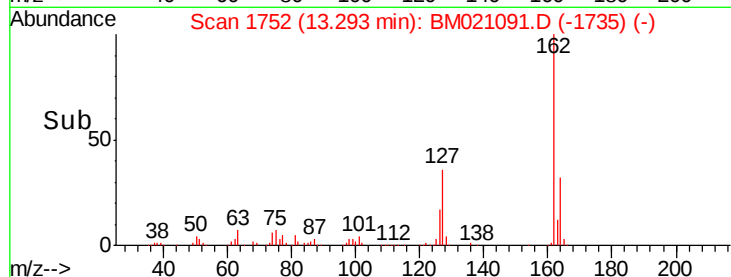
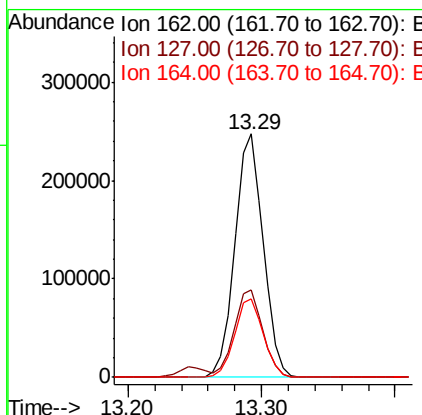
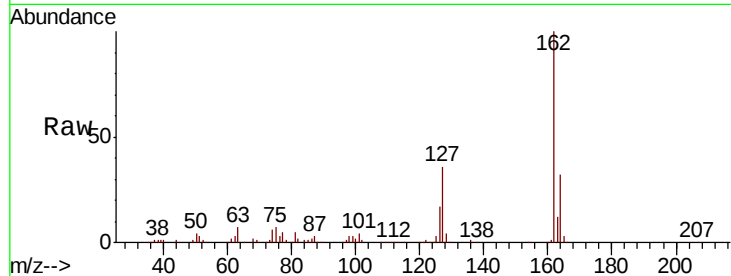




#47
2-Chloronaphthalene
Concen: 7.625 ng
RT: 13.29 min Scan# 1752
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

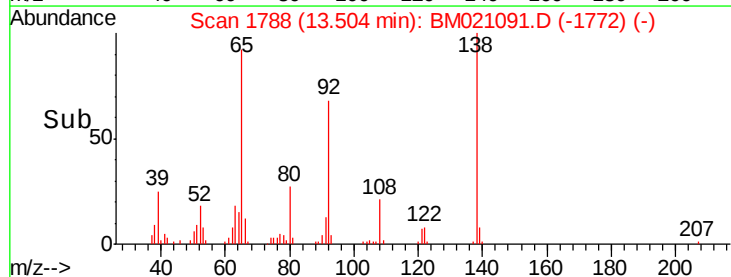
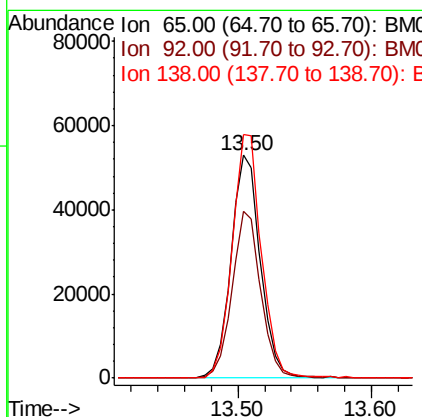
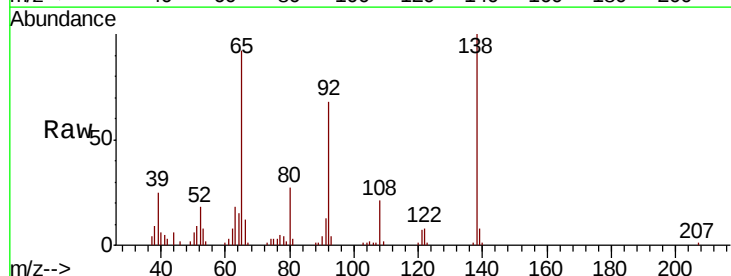
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

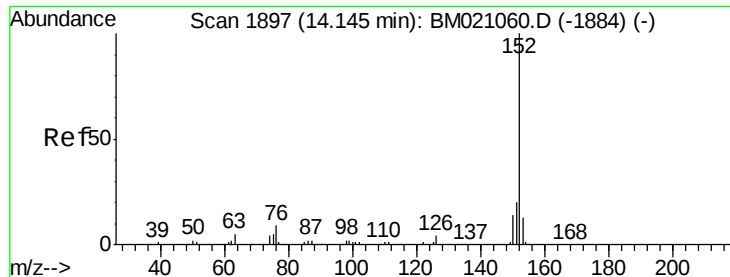
Tgt Ion	Ratio	Lower	Upper
162	100		
127	36.1	29.4	44.2
164	32.3	26.5	39.7



#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	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

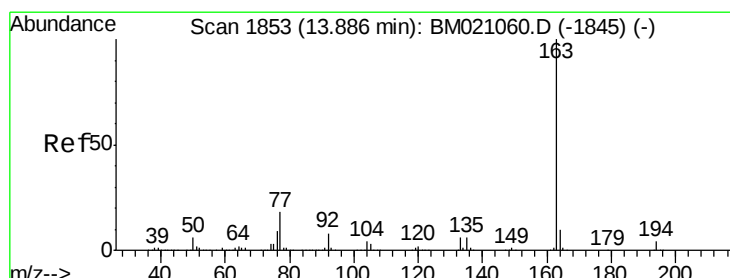
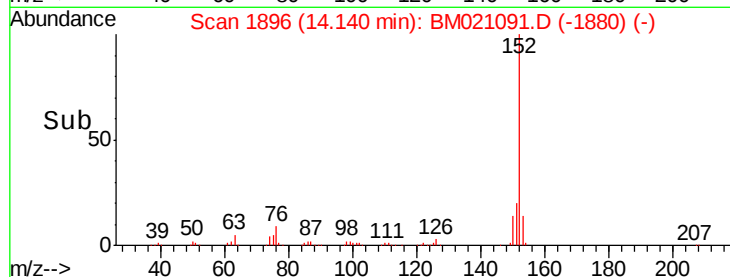
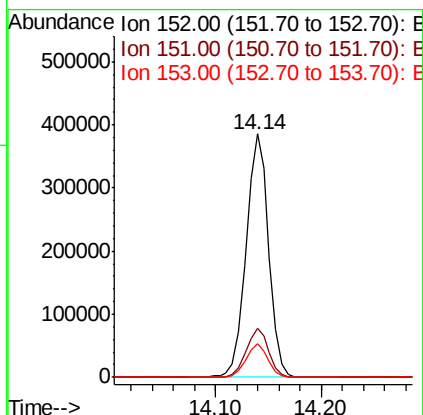
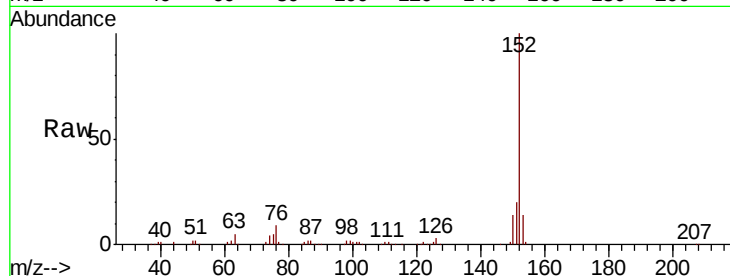
Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

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



#50

Dimethylphthalate

Concen: 7.496 ng

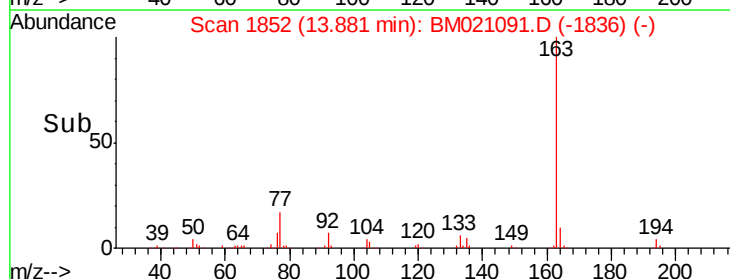
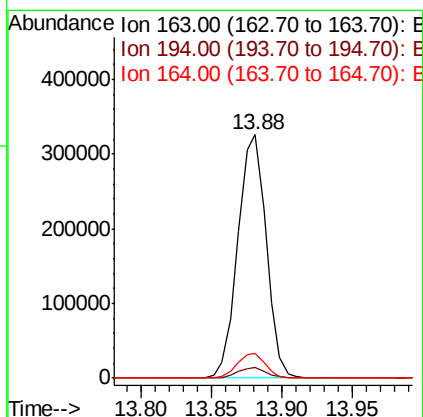
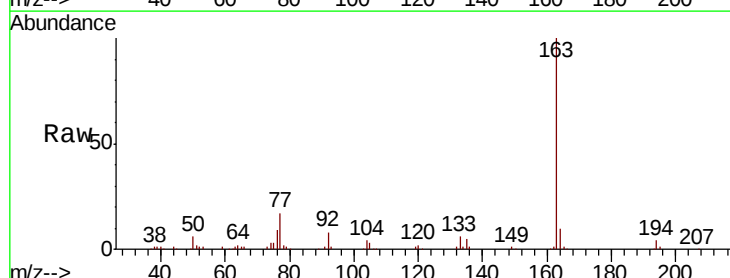
RT: 13.88 min Scan# 1852

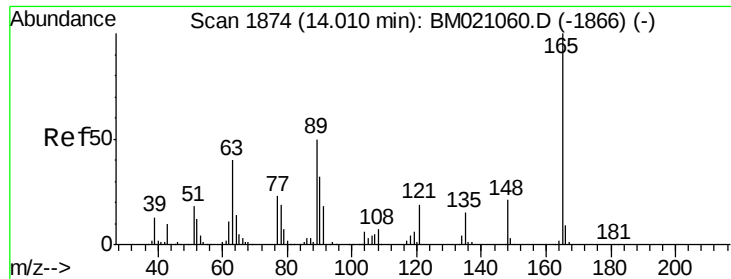
Delta R.T. -0.01 min

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

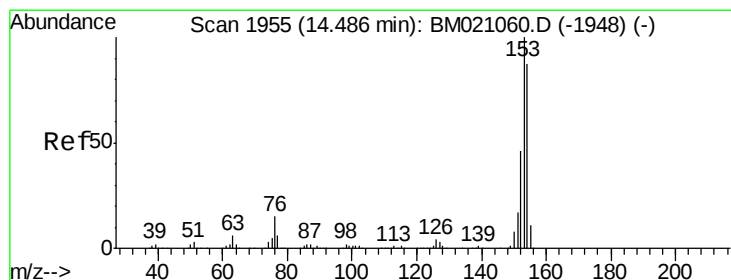
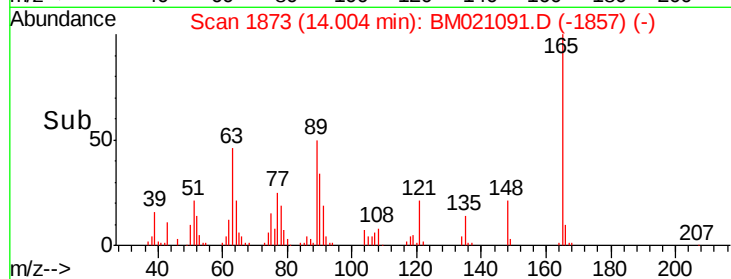
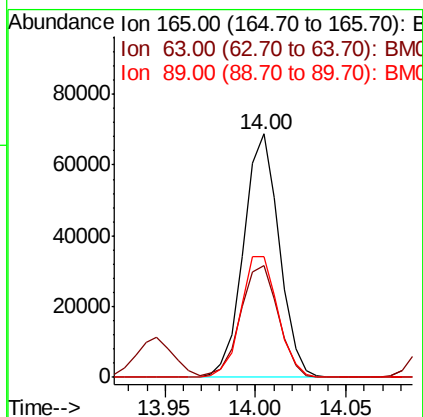
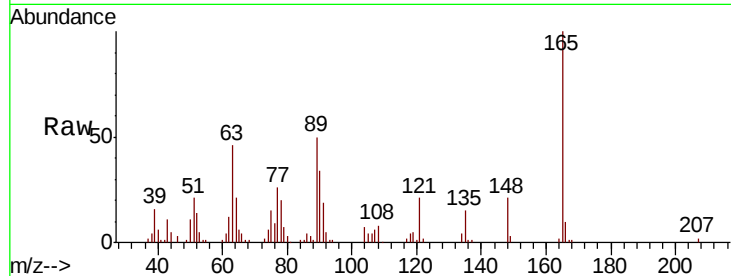




#51
 2,6-Dinitrotoluene
 Concen: 7.142 ng
 RT: 14.00 min Scan# 1873
 Delta R.T. -0.01 min
 Lab File: BM021091.D
 Acq: 22 Jun 2019 08:58

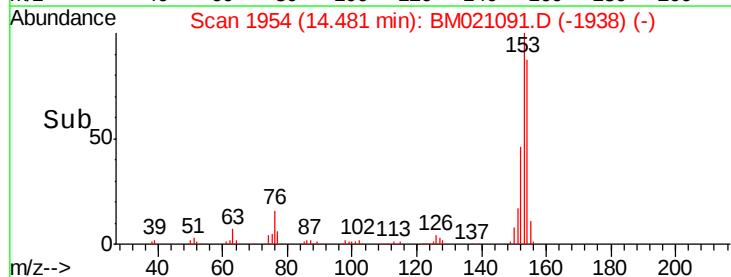
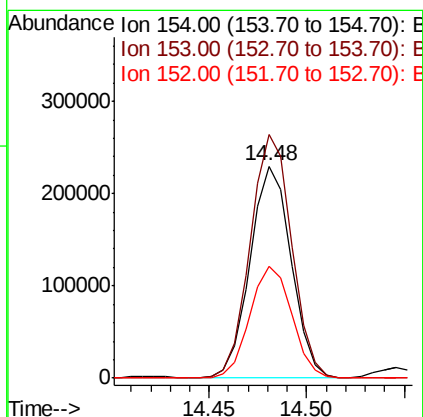
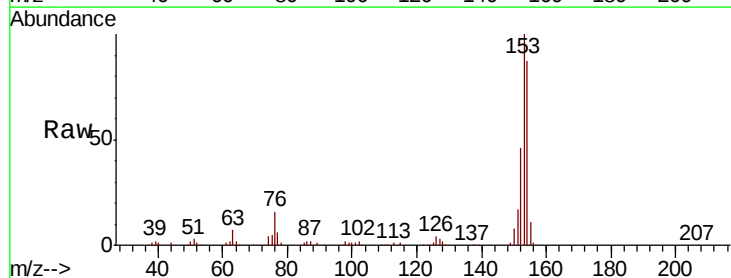
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

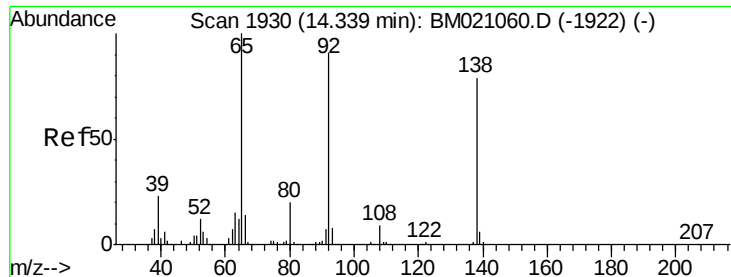
Tgt Ion:165 Resp: 93876
 Ion Ratio Lower Upper
 165 100
 63 46.1 37.8 56.6
 89 49.8 39.7 59.5



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

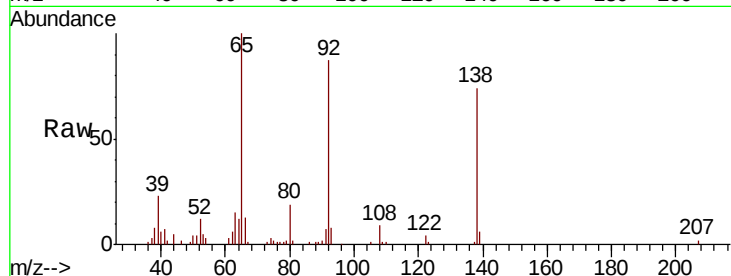




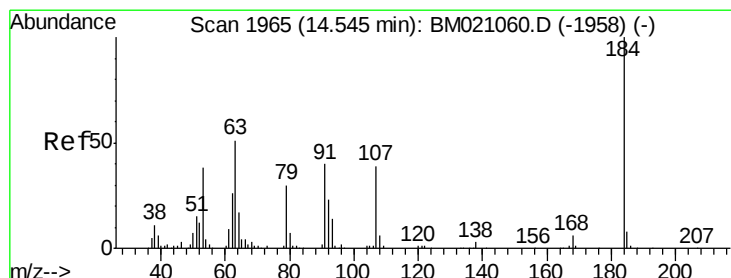
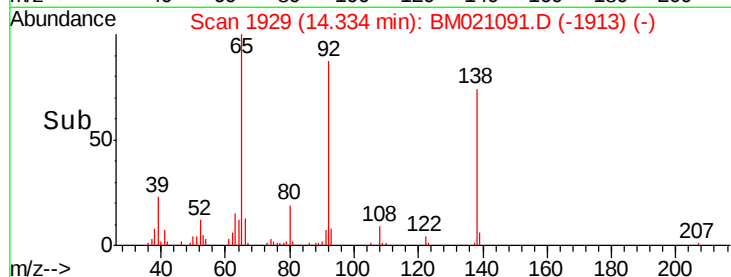
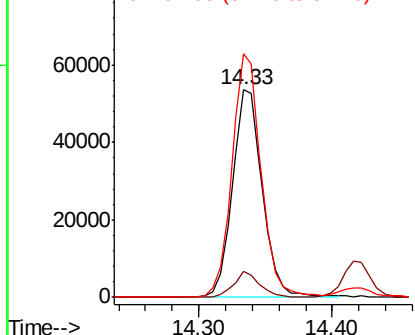
#53
 3-Nitroaniline
 Concen: 6.213 ng
 RT: 14.33 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: BM021091.D
 Acq: 22 Jun 2019 08:58

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

Tgt Ion:138 Resp: 83251
 Ion Ratio Lower Upper
 138 100
 108 12.7 9.0 13.4
 92 117.2 92.2 138.2

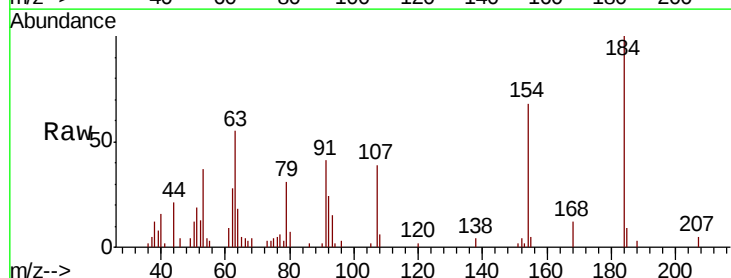


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BM

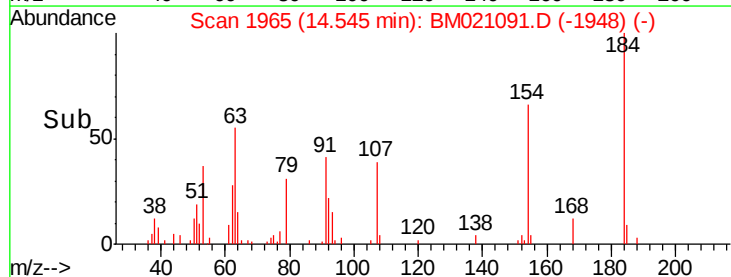
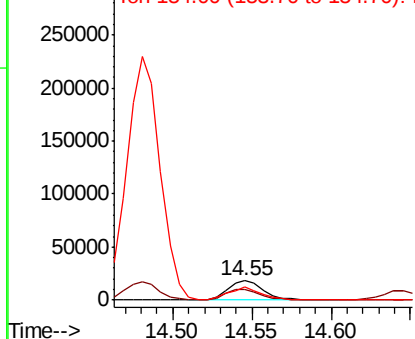


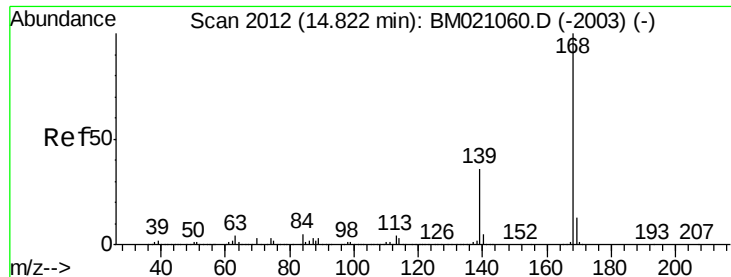
#54
 2,4-Dinitrophenol
 Concen: 3.957 ng
 RT: 14.55 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: BM021091.D
 Acq: 22 Jun 2019 08:58

Tgt Ion:184 Resp: 27941
 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

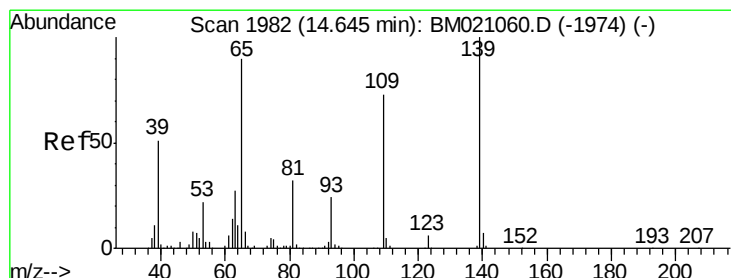
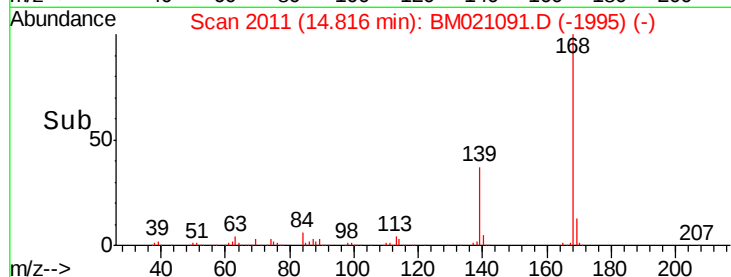
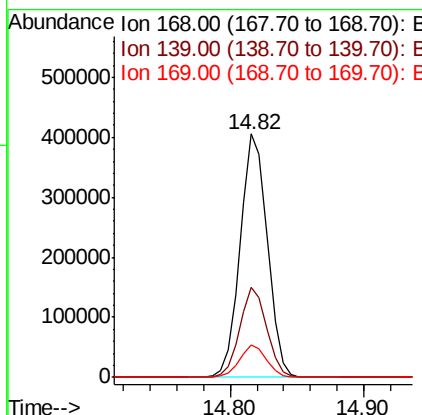
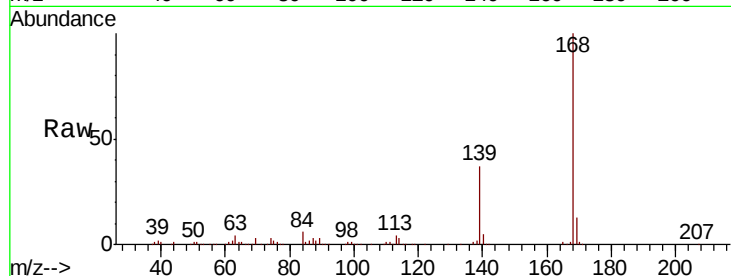




#55
Dibenzenofuran
Concen: 7.958 ng
RT: 14.82 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

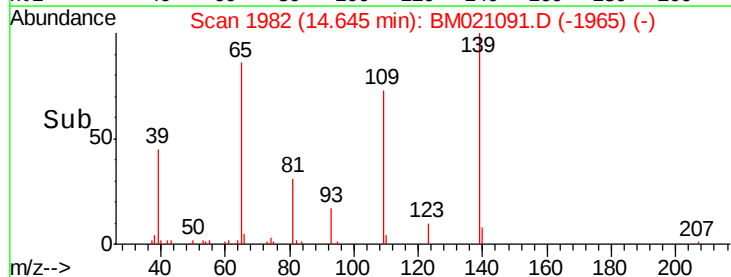
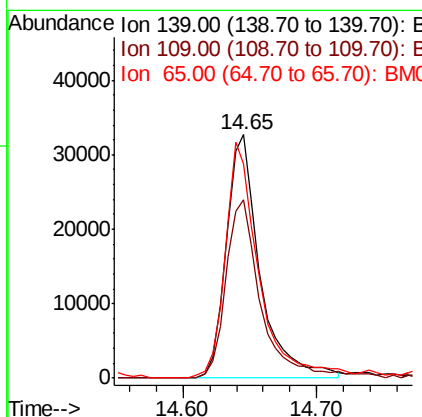
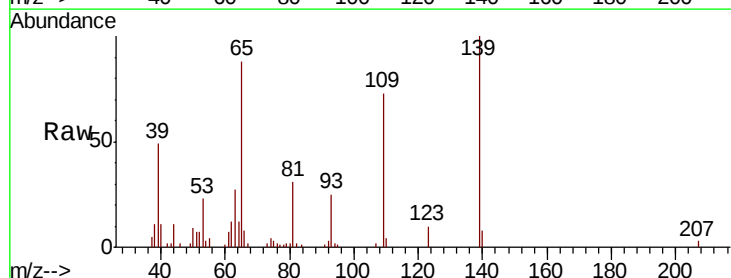
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

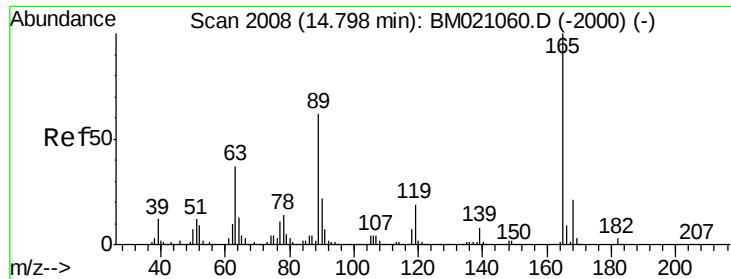
Tgt Ion:168 Resp: 569390
Ion Ratio Lower Upper
168 100
139 37.0 28.4 42.6
169 13.1 10.6 16.0



#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:139 Resp: 57692
Ion Ratio Lower Upper
139 100
109 73.2 53.3 93.3
65 88.0 70.3 110.3

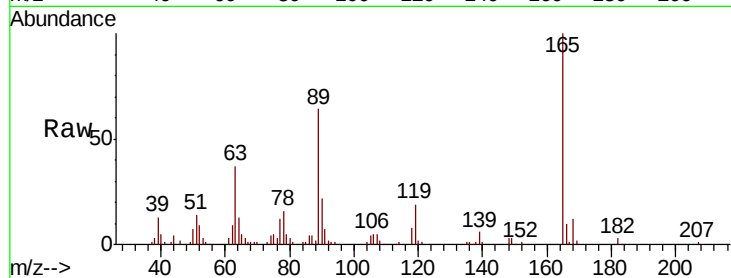




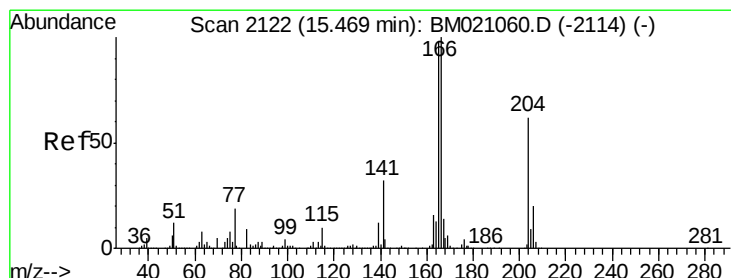
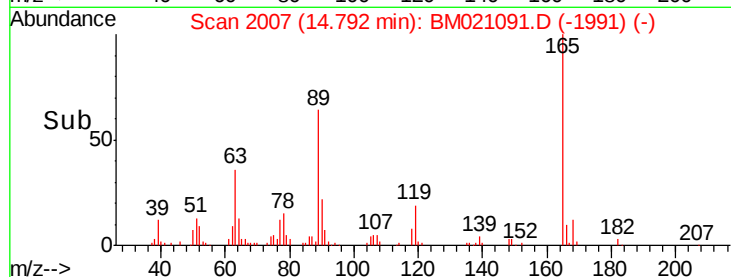
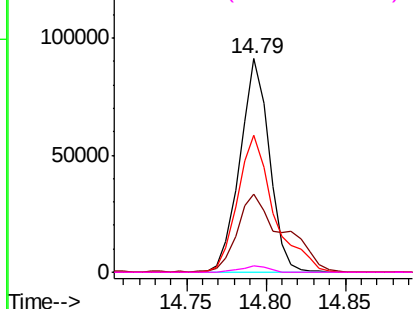
#57
2,4-Dinitrotoluene
Concen: 6.491 ng
RT: 14.79 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

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

Tgt Ion	Ratio	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

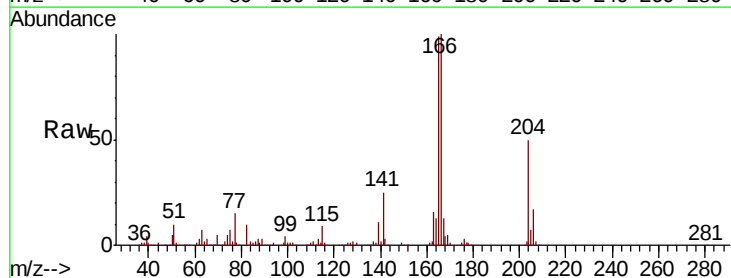


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BM
Ion 89.00 (88.70 to 89.70): BM
Ion 182.00 (181.70 to 182.70): E

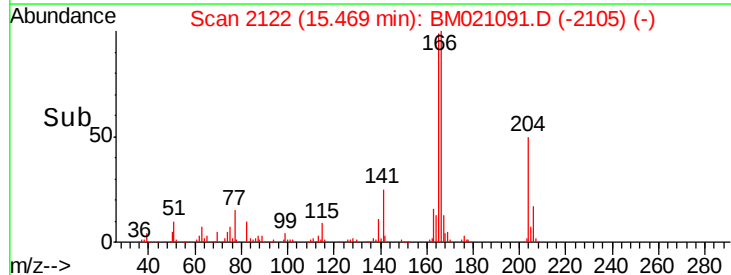
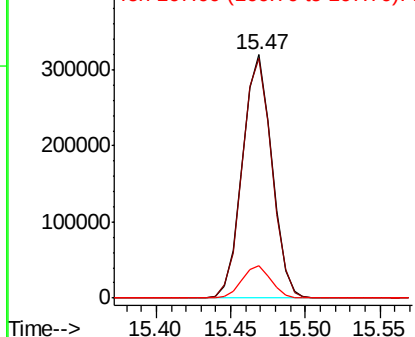


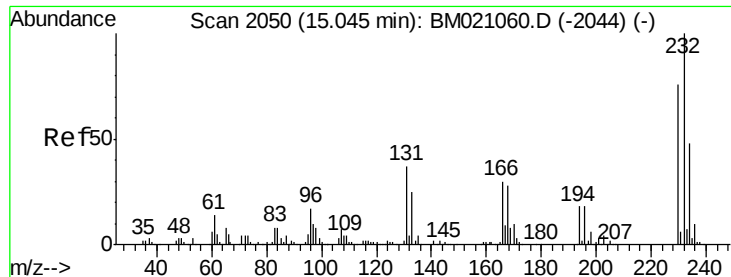
#58
Fluorene
Concen: 7.468 ng
RT: 15.47 min Scan# 2122
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

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



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

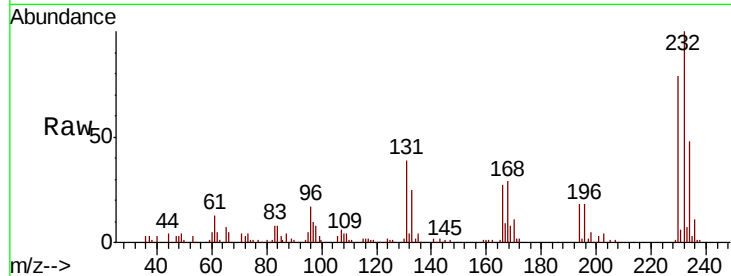




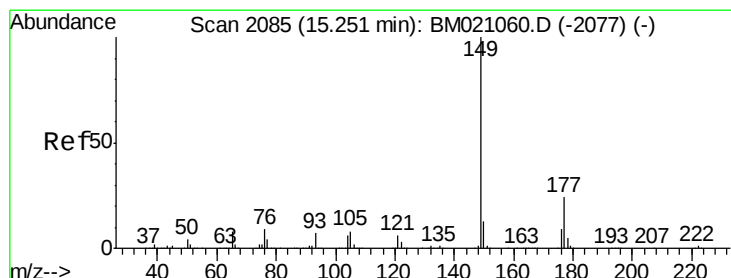
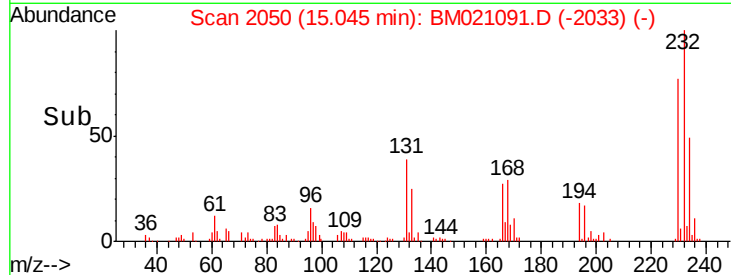
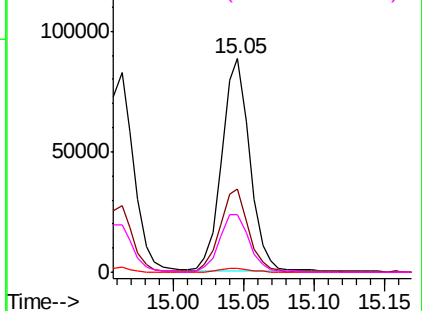
#59
2,3,4,6-Tetrachlorophenol
Concen: 7.078 ng
RT: 15.05 min Scan# 2050
Delta R.T. 0.00 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

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

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

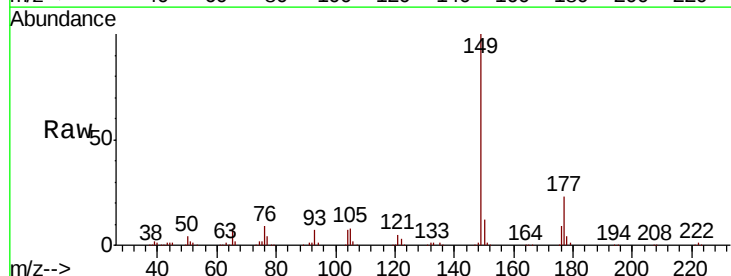


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

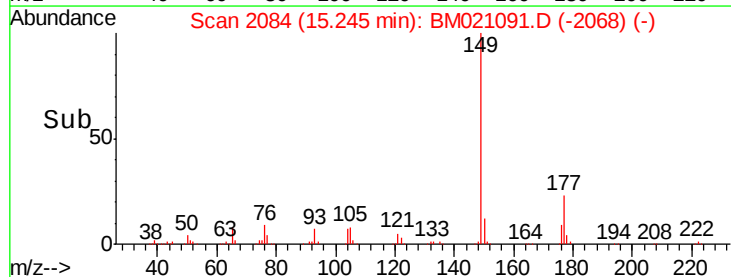
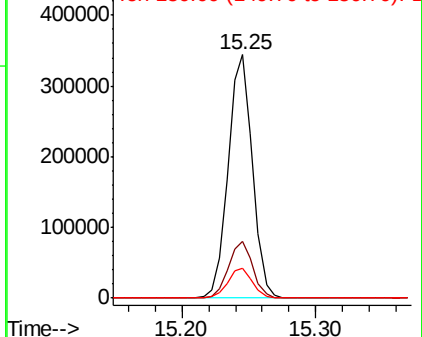


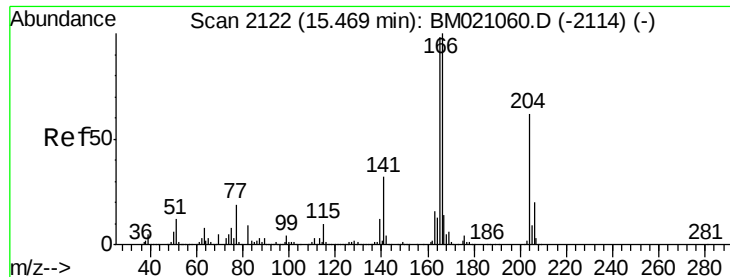
#60
Diethylphthalate
Concen: 7.267 ng
RT: 15.25 min Scan# 2084
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

Tgt Ion	Ratio	Lower	Upper
149	100		
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

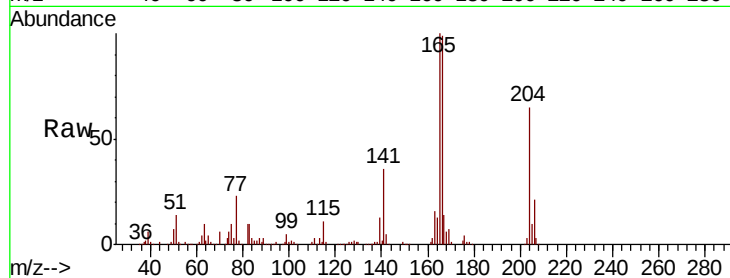




#61
 4-Chlorophenyl-phenylether
 Concen: 7.376 ng
 RT: 15.46 min Scan# 2121
 Delta R.T. -0.01 min
 Lab File: BM021091.D
 Acq: 22 Jun 2019 08:58

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

Tgt Ion	Ratio	Lower	Upper
204	100		
206	31.6	26.1	39.1
141	55.4	40.7	61.1

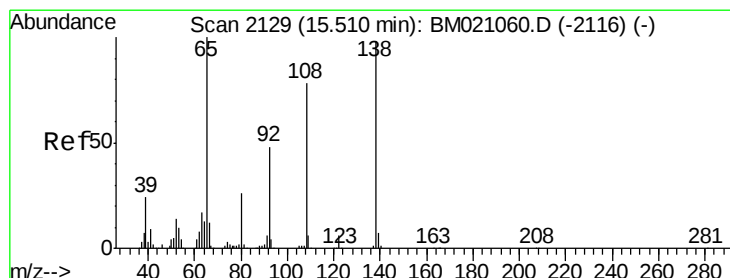
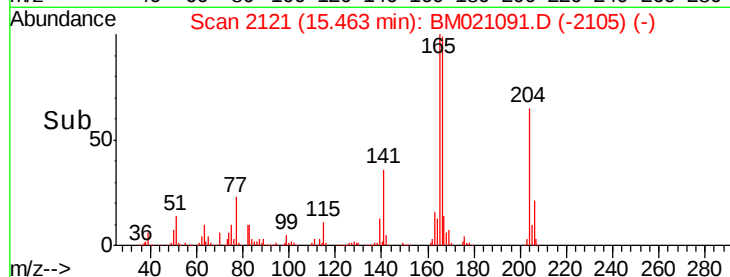
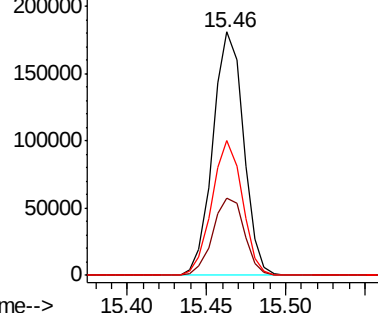


Abundance

Ion 204.00 (203.70 to 204.70): E

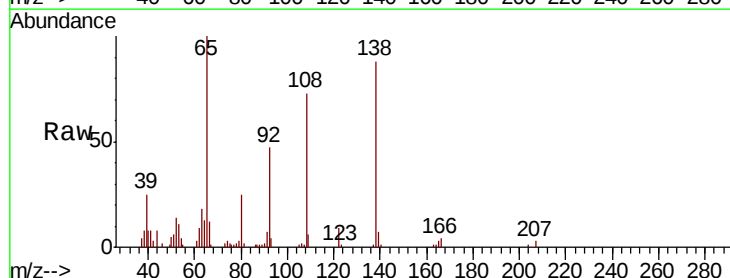
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
 4-Nitroaniline
 Concen: 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	Lower	Upper
138	100		
92	53.7	29.1	69.1
108	82.9	59.2	99.2

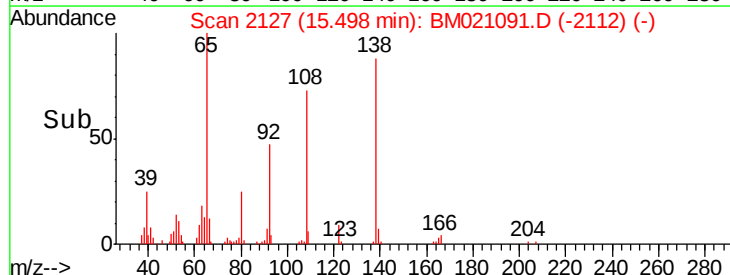
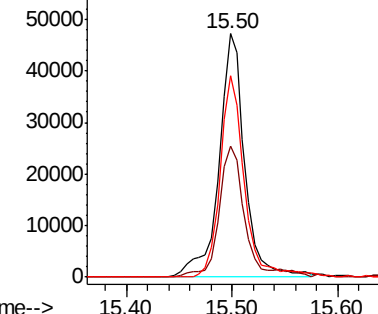


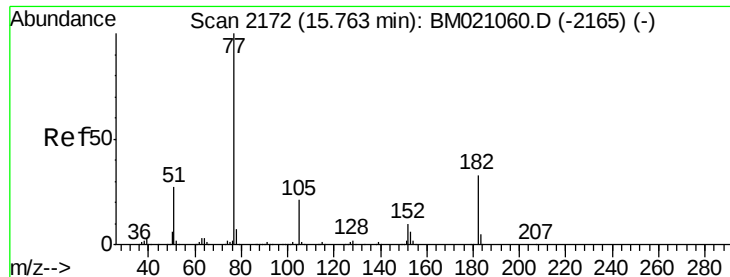
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E

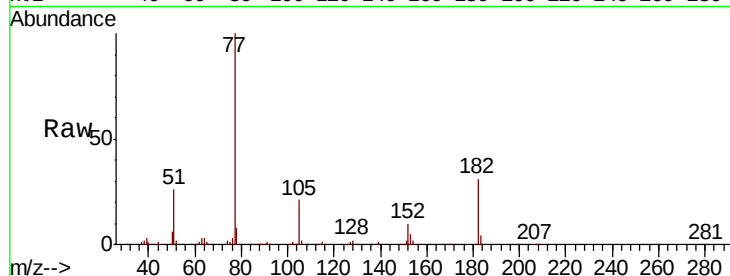




#63
Azobenzene
Concen: 7.533 ng
RT: 15.76 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

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

Tgt Ion:	77	Resp:	371816
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

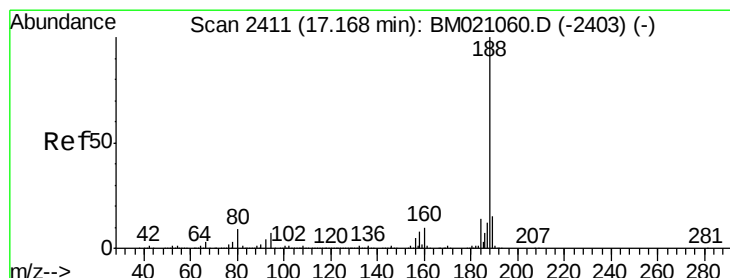
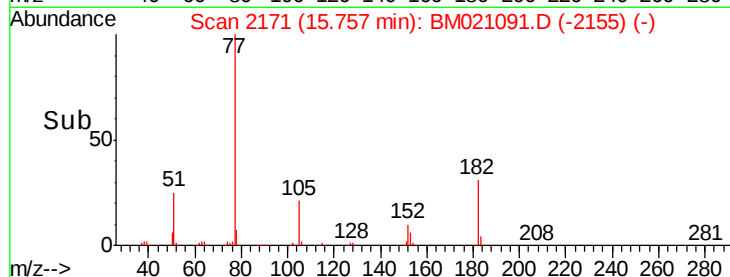
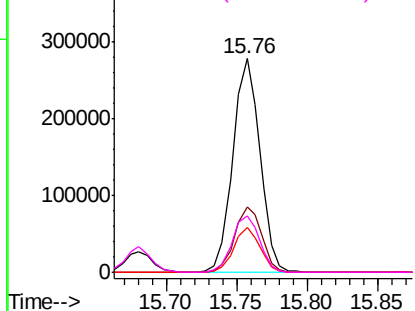


Abundance Ion 77.00 (76.70 to 77.70): BM021091.D (-2155) (-)

Ion 182.00 (181.70 to 182.70): E

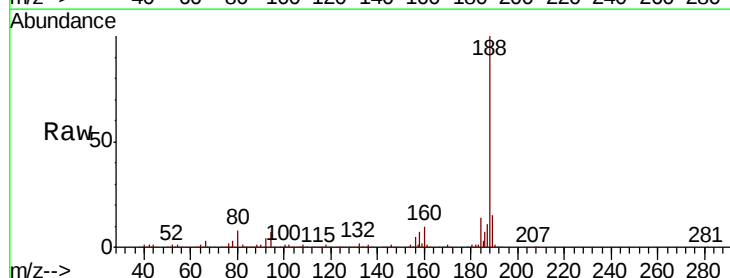
Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM021091.D (-2155) (-)



#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

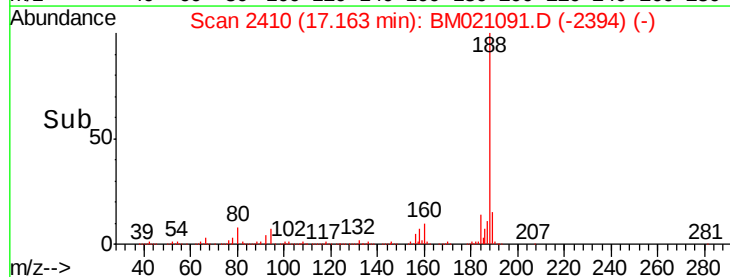
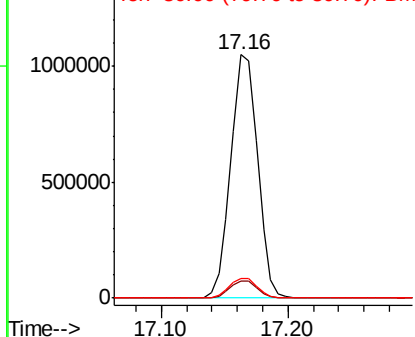
Tgt Ion:	188	Resp:	1533191
Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.8	8.8
80	8.3	6.9	10.3

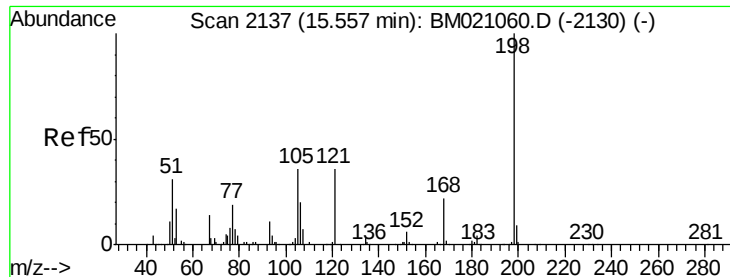


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM021091.D (-2394) (-)

Ion 80.00 (79.70 to 80.70): BM021091.D (-2394) (-)





#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

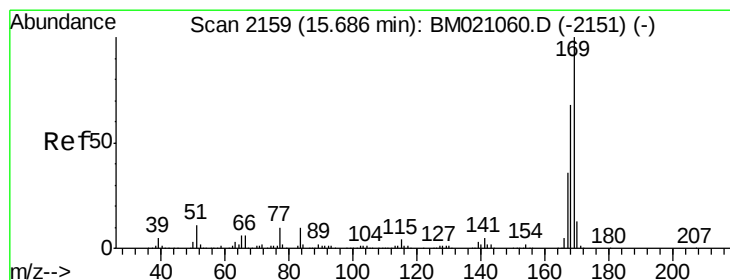
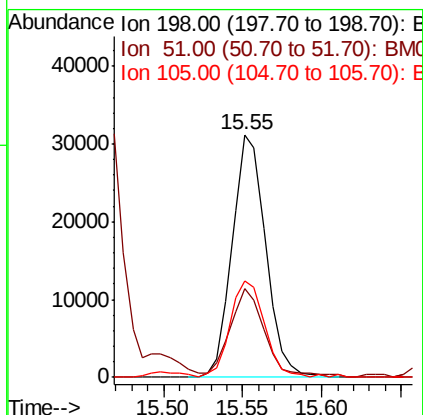
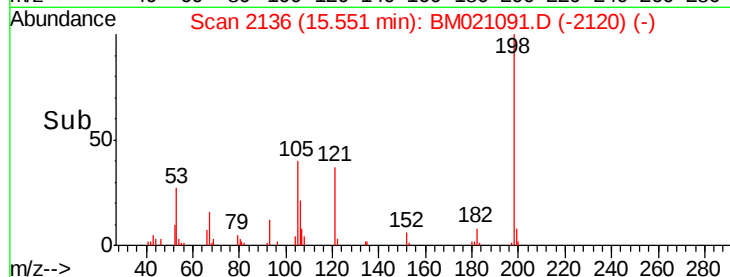
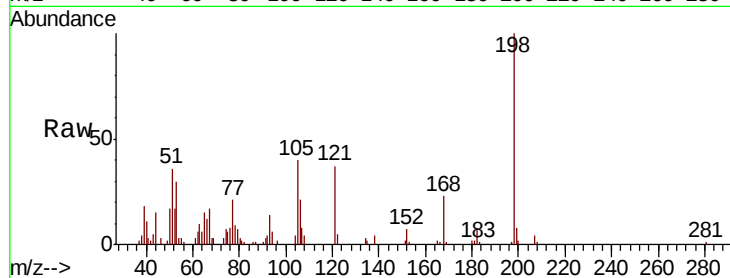
Tgt Ion:198 Resp: 45722

Ion Ratio Lower Upper

198 100

51 36.4 15.3 55.3

105 39.8 16.8 56.8



#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

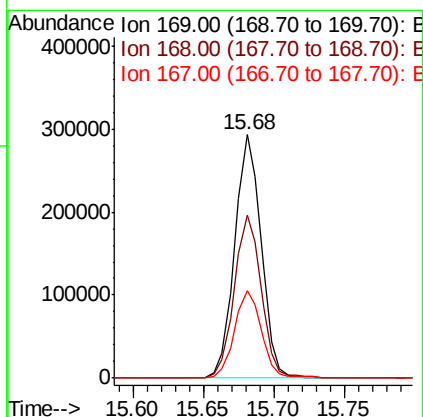
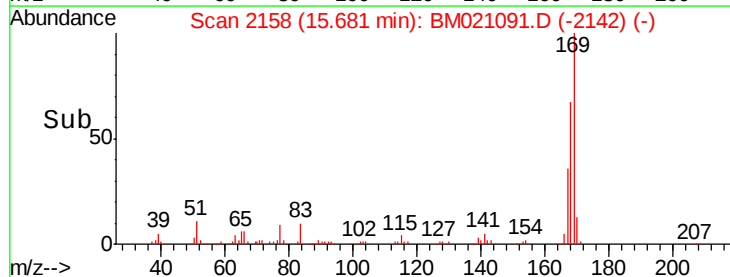
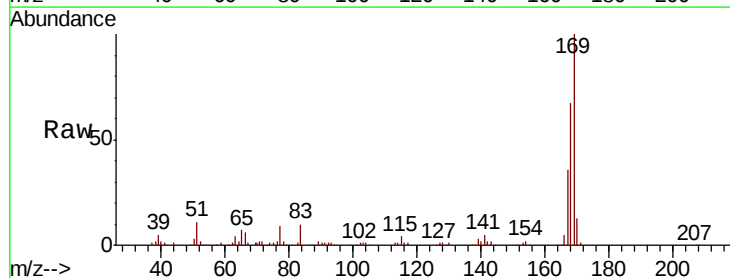
Tgt Ion:169 Resp: 382276

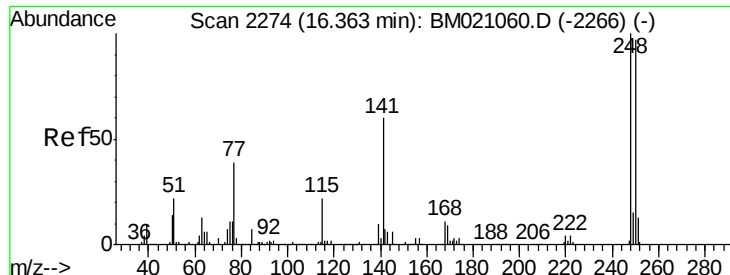
Ion Ratio Lower Upper

169 100

168 67.1 54.5 81.7

167 35.9 29.0 43.6

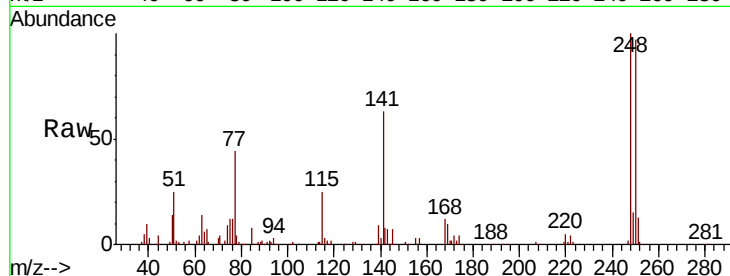




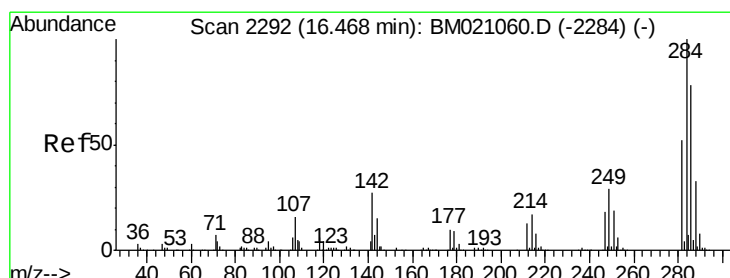
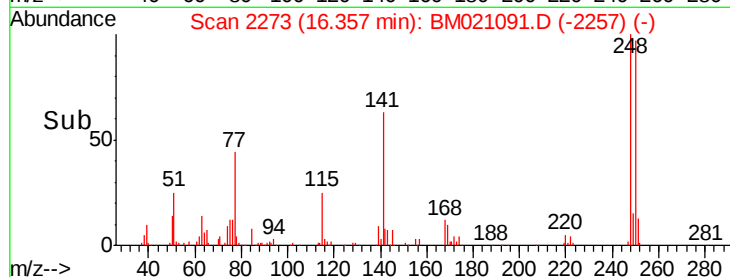
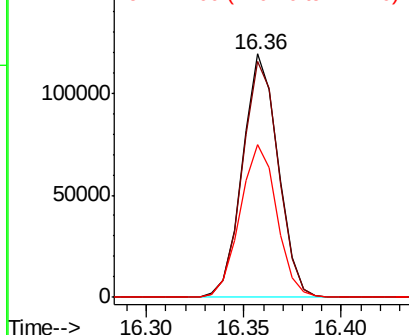
#67
4-Bromophenyl-phenylether
Concen: 7.395 ng
RT: 16.36 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

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

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

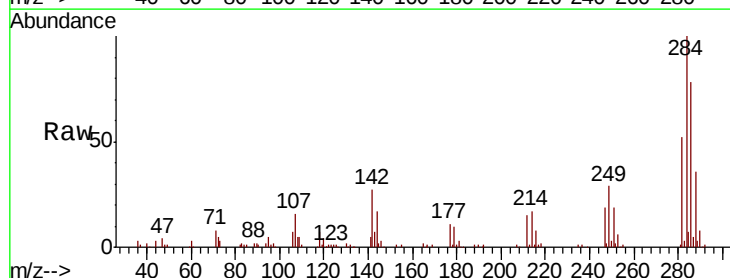


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

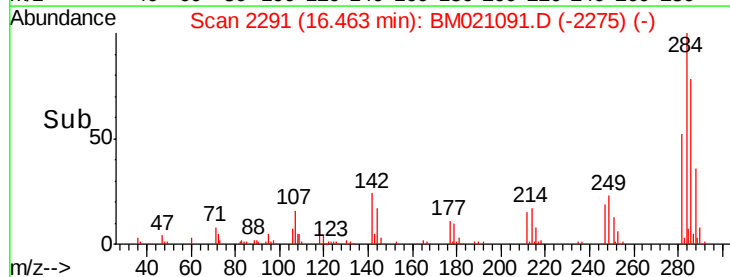
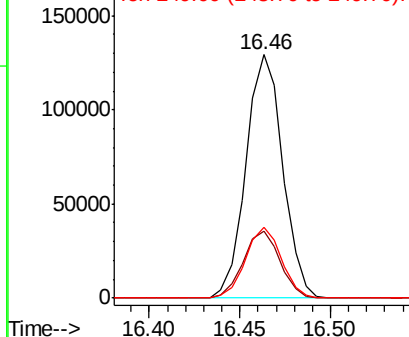


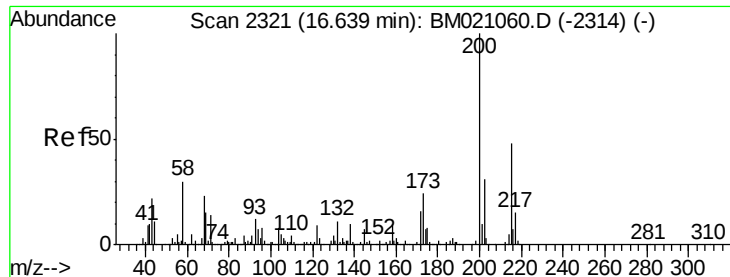
#68
Hexachlorobenzene
Concen: 7.455 ng
RT: 16.46 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BM021091.D
Acq: 22 Jun 2019 08:58

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

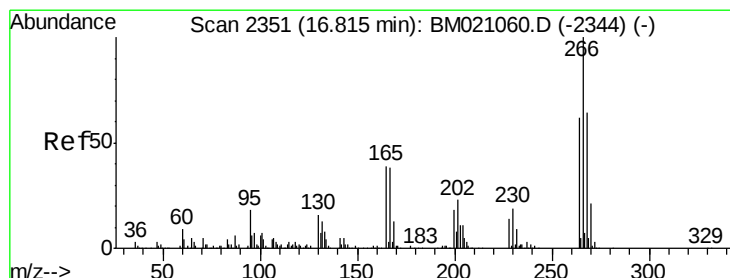
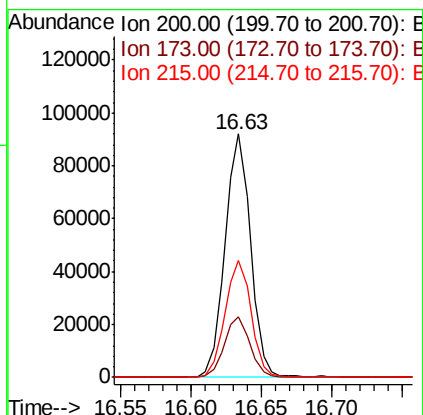
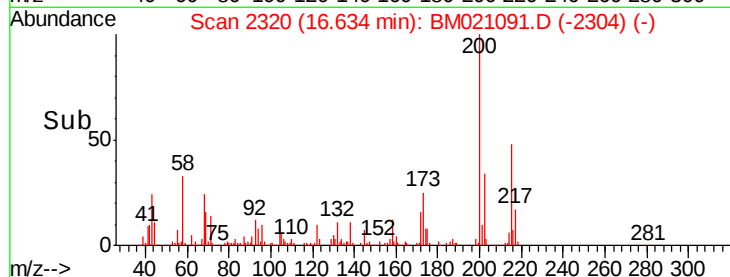
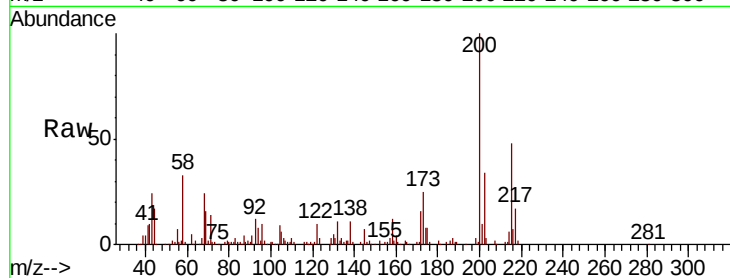
Tgt Ion:200 Resp: 115813

Ion Ratio Lower Upper

200 100

173 24.9 4.3 44.3

215 48.3 28.2 68.2



#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

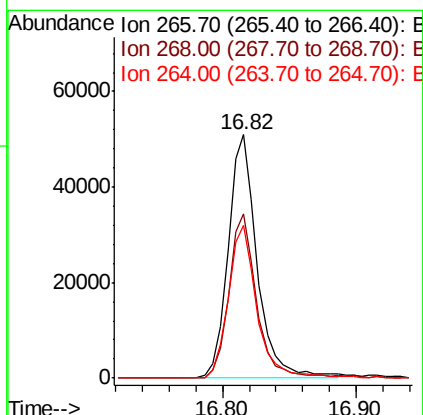
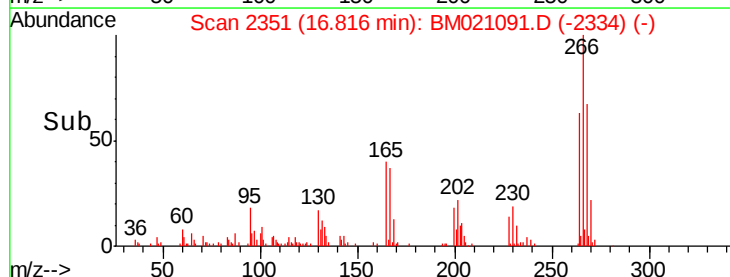
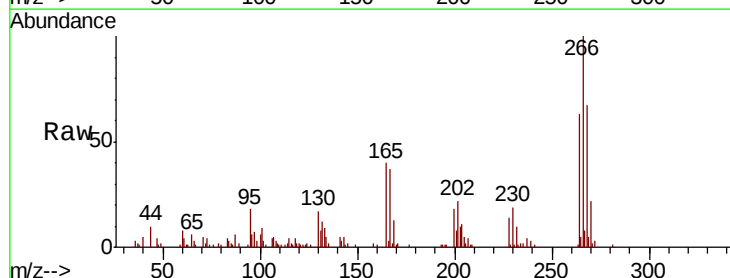
Tgt Ion:266 Resp: 77274

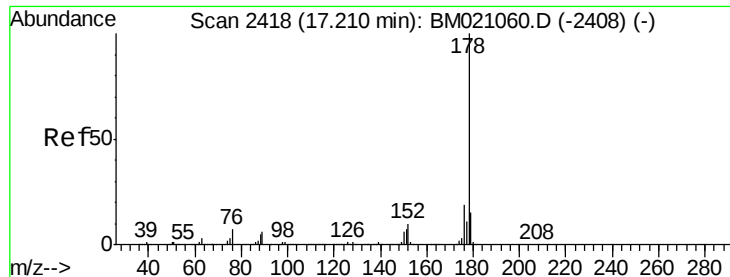
Ion Ratio Lower Upper

266 100

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

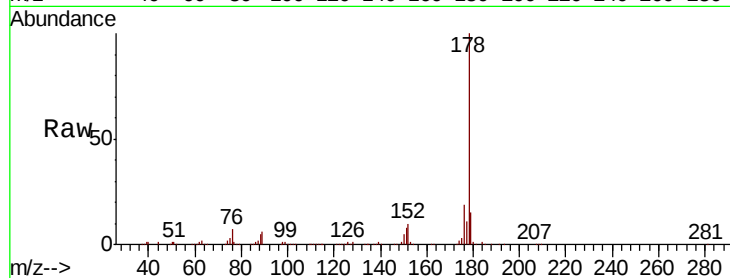
Tgt Ion:178 Resp: 695880

Ion Ratio Lower Upper

178 100

176 18.8 15.2 22.8

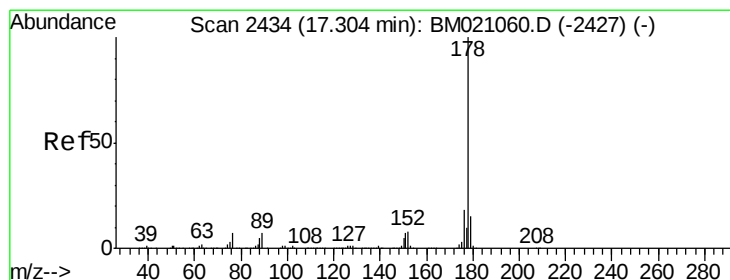
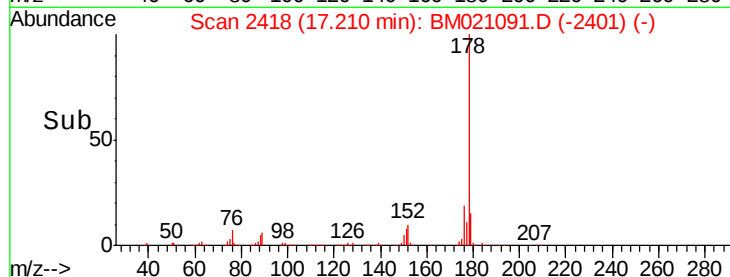
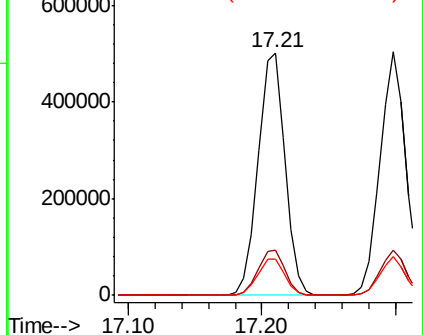
179 15.1 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#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

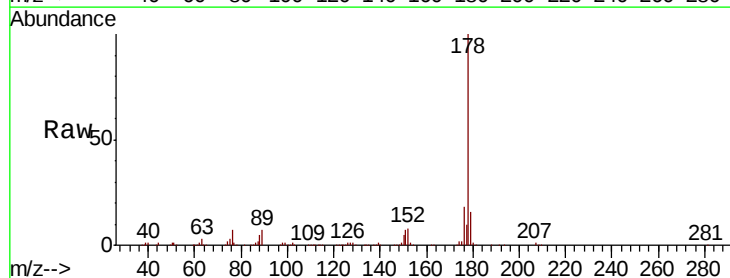
Tgt Ion:178 Resp: 677878

Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

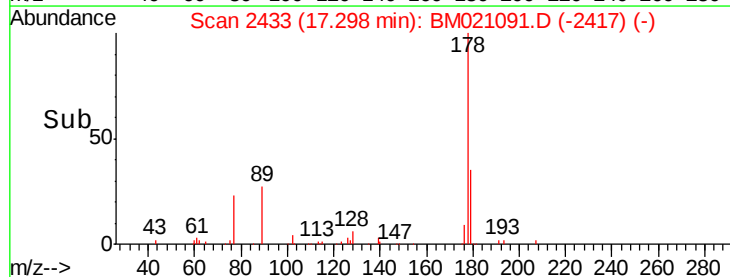
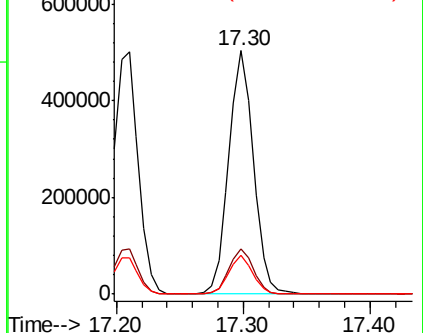
179 16.0 12.2 18.2

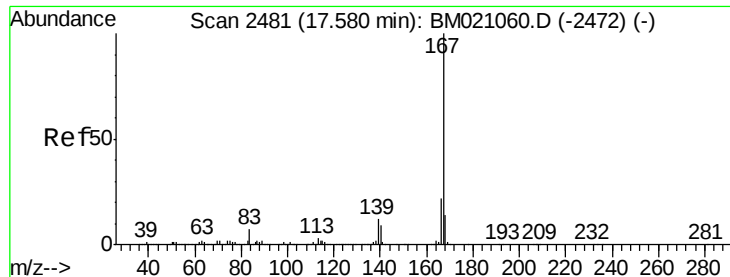


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

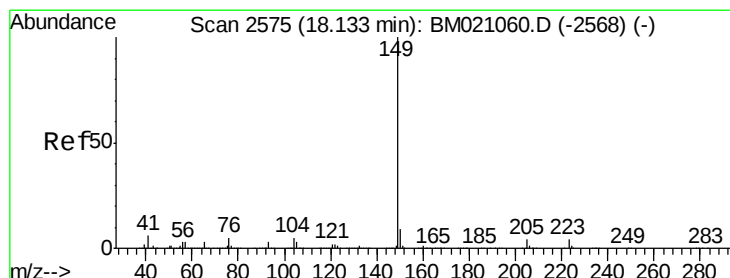
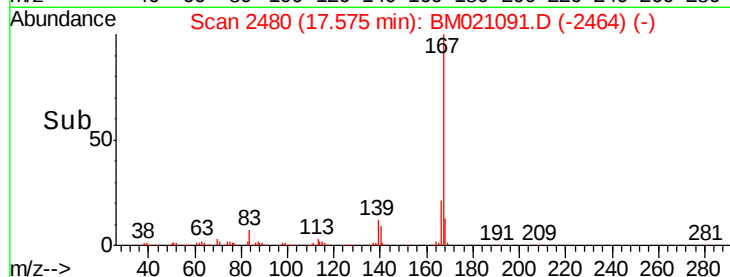
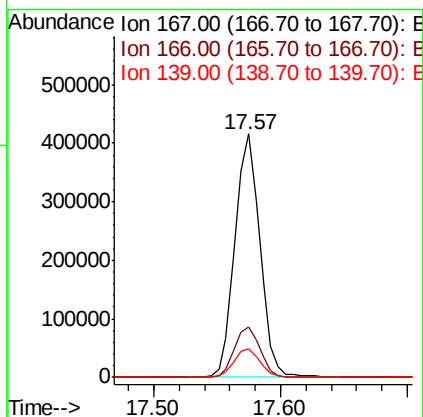
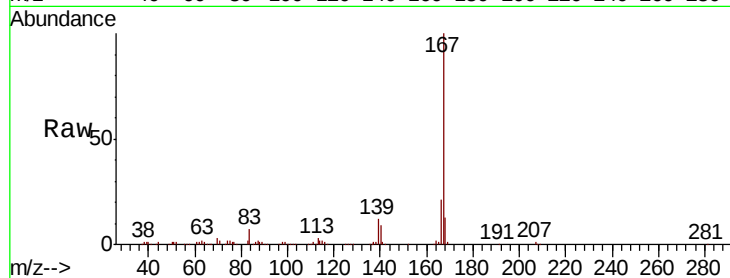




#73
 Carbazole
 Concen: 7.331 ng
 RT: 17.57 min Scan# 2480
 Delta R.T. -0.01 min
 Lab File: BM021091.D
 Acq: 22 Jun 2019 08:58

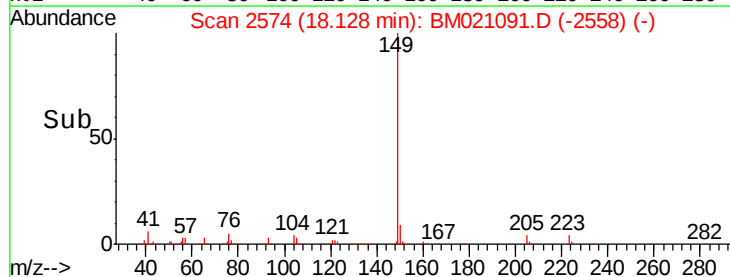
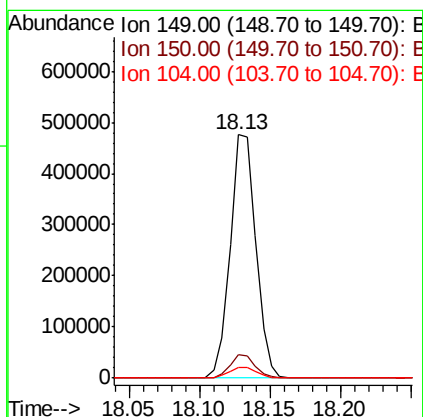
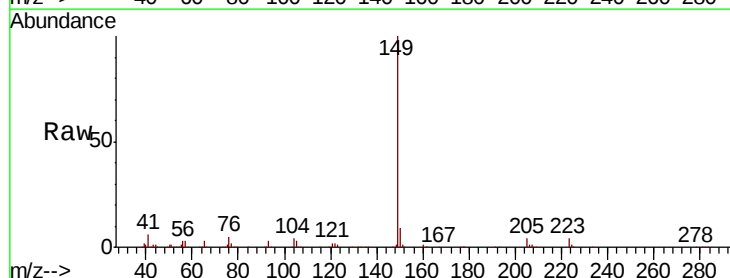
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

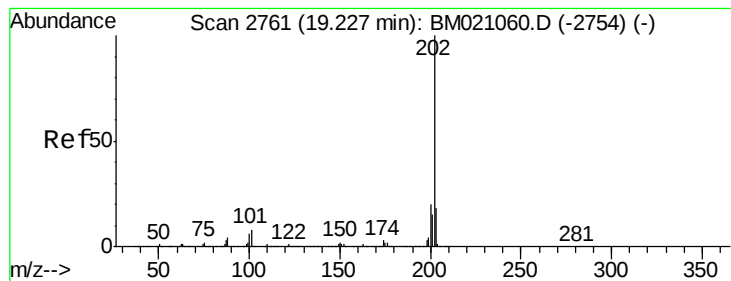
Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.4	26.2
139	11.8	9.7	14.5



#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	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

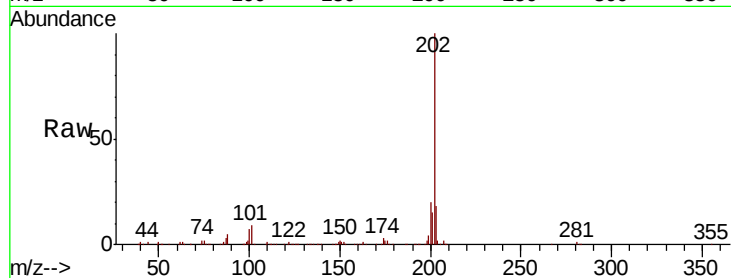
Tgt Ion:202 Resp: 723168

Ion Ratio Lower Upper

202 100

101 8.9 0.0 28.2

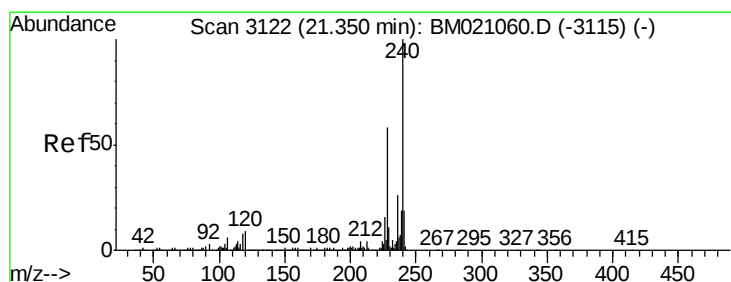
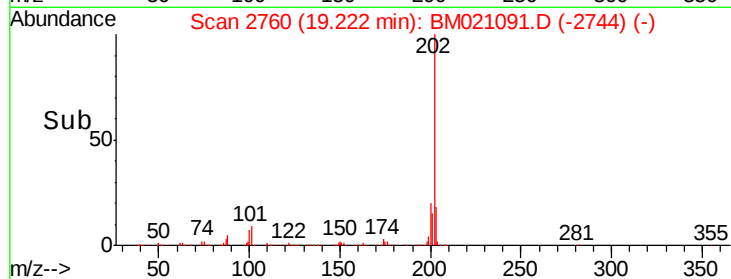
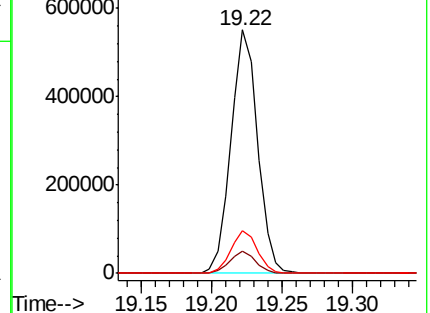
203 17.6 0.0 37.6



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

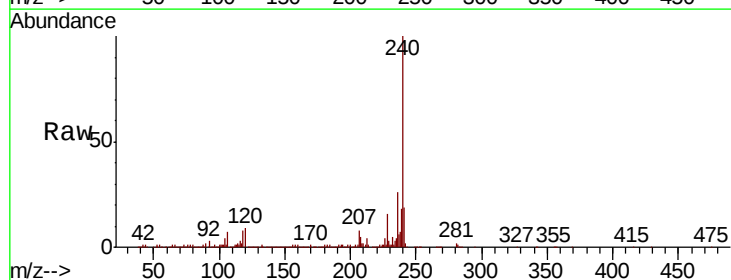
Tgt Ion:240 Resp: 1224664

Ion Ratio Lower Upper

240 100

120 9.2 6.9 10.3

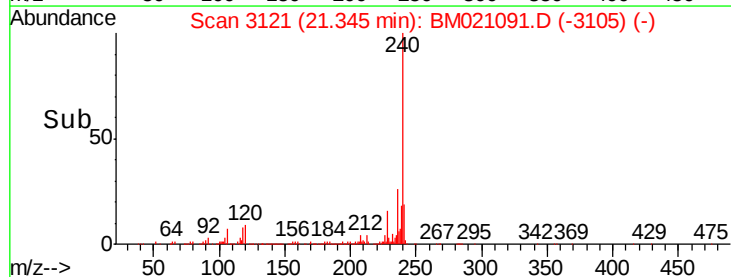
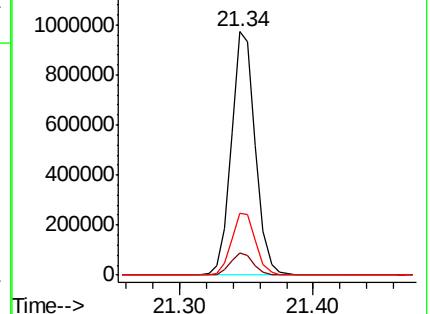
236 25.6 20.4 30.6

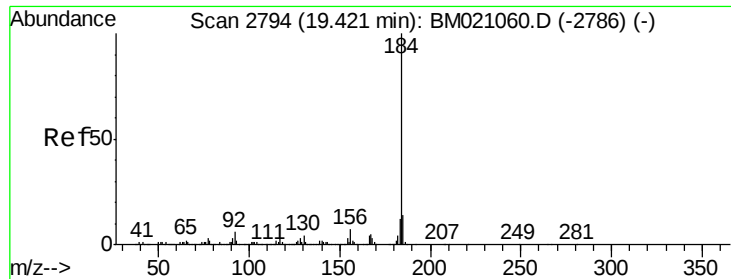


Abundance Ion 240.00 (239.70 to 240.70): E

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

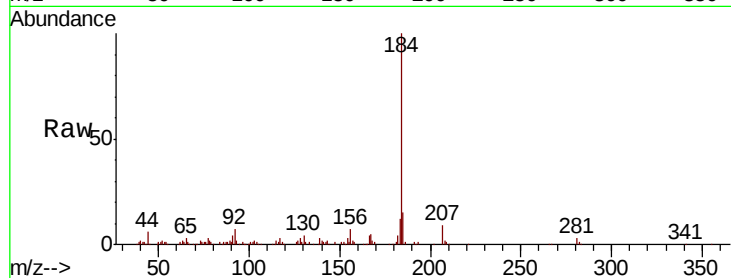
Tgt Ion:184 Resp: 197489

Ion Ratio Lower Upper

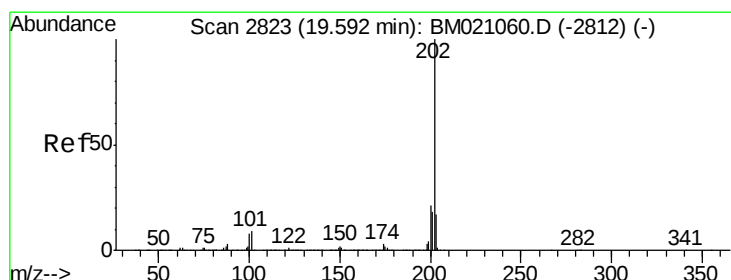
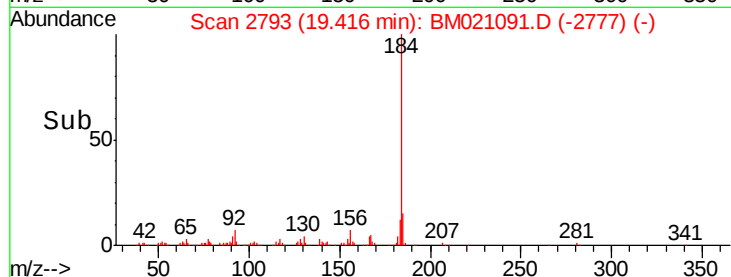
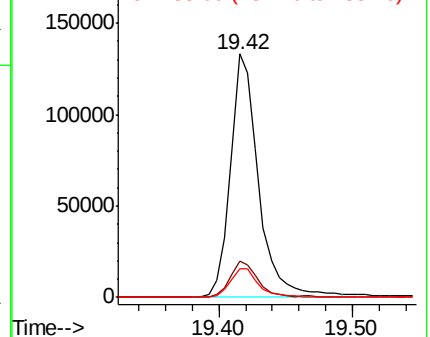
184 100

185 14.8 11.4 17.2

183 11.6 9.6 14.4



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

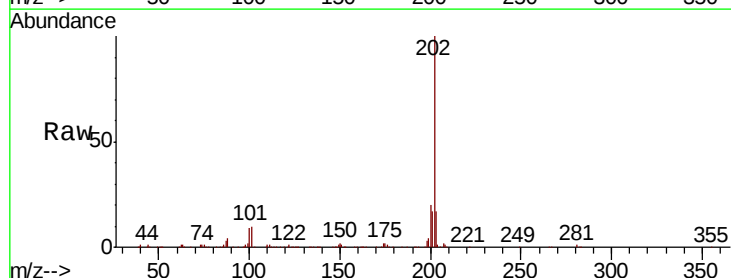
Tgt Ion:202 Resp: 744286

Ion Ratio Lower Upper

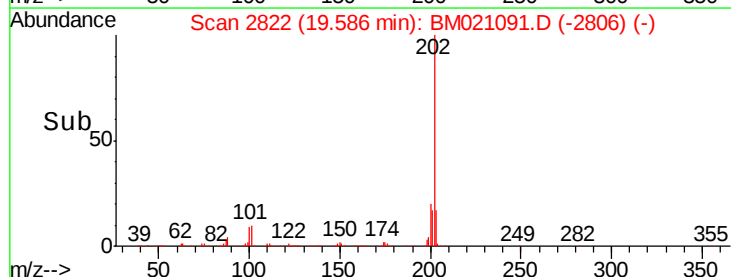
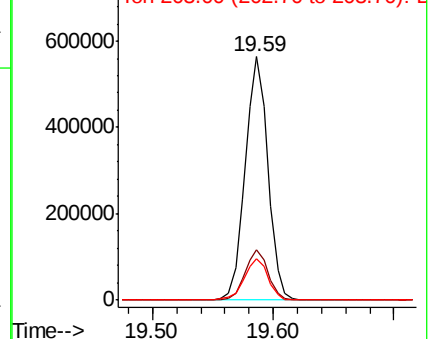
202 100

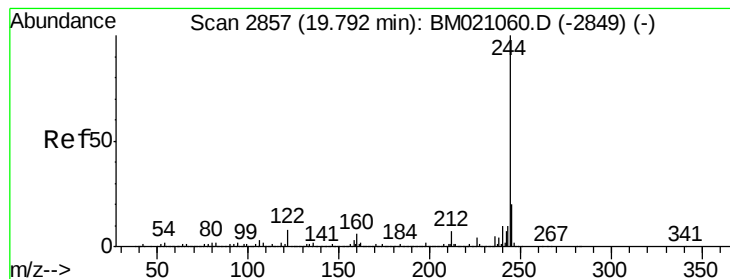
200 20.5 17.0 25.4

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

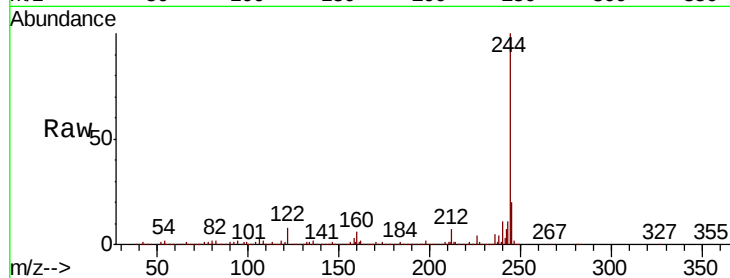
Tgt Ion:244 Resp: 6775173

Ion Ratio Lower Upper

244 100

212 6.9 5.3 7.9

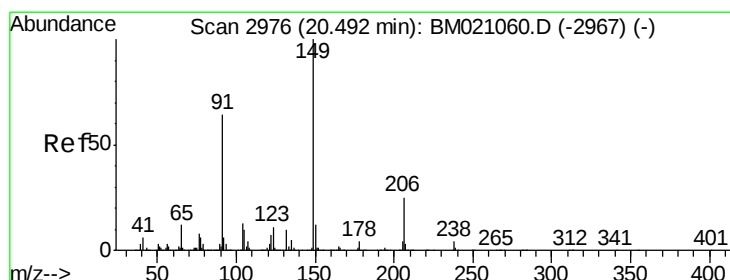
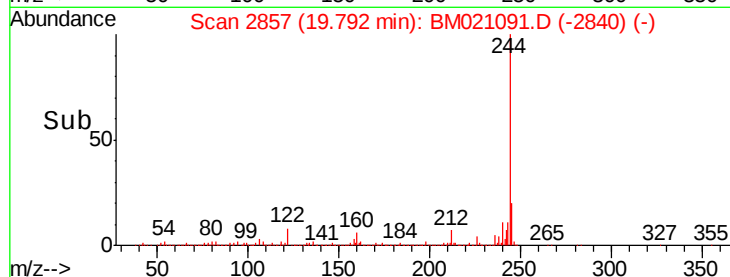
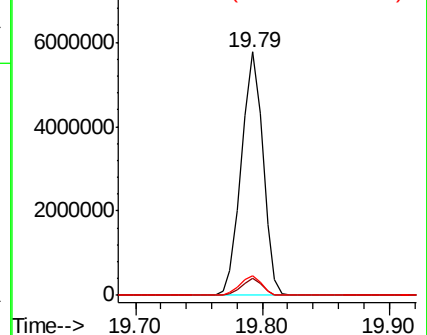
122 8.1 6.6 9.8



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

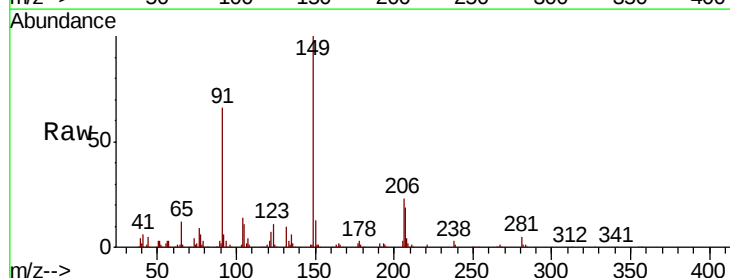
Tgt Ion:149 Resp: 227850

Ion Ratio Lower Upper

149 100

91 66.1 50.9 76.3

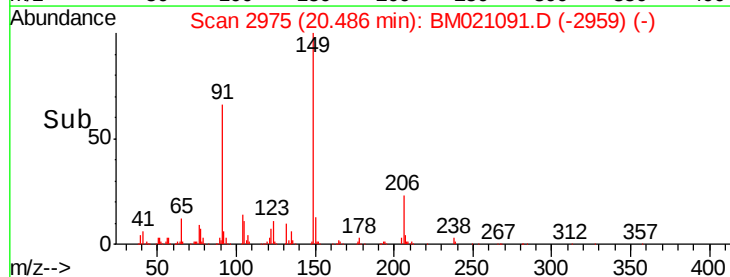
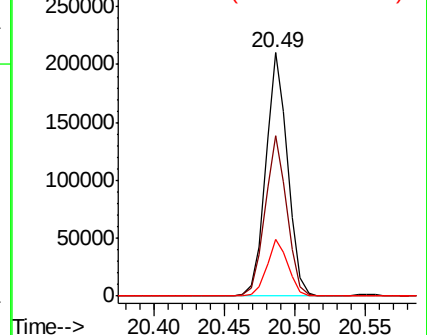
206 23.1 19.7 29.5

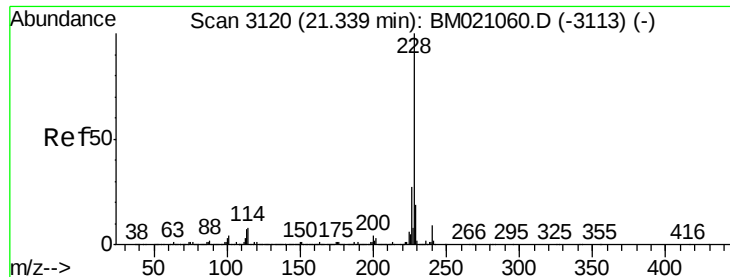


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

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

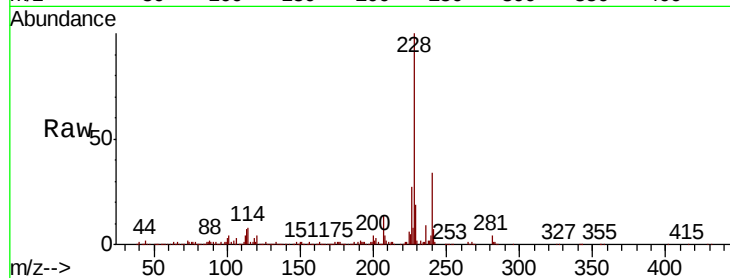
Tgt Ion:228 Resp: 644329

Ion Ratio Lower Upper

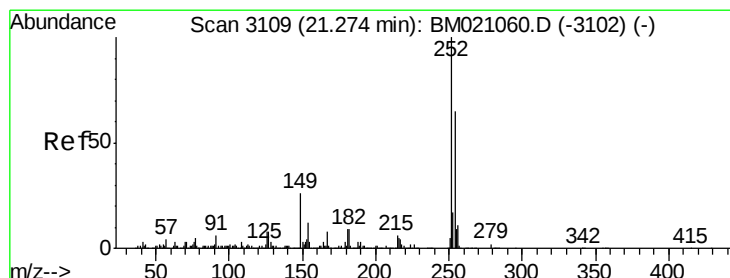
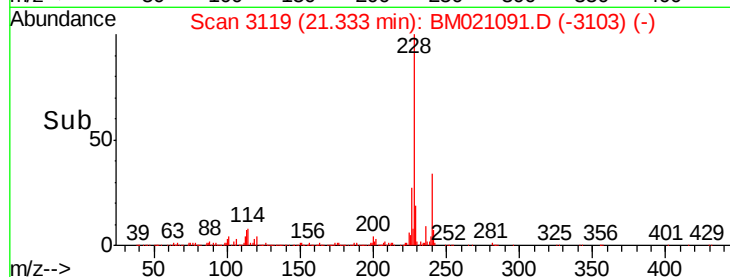
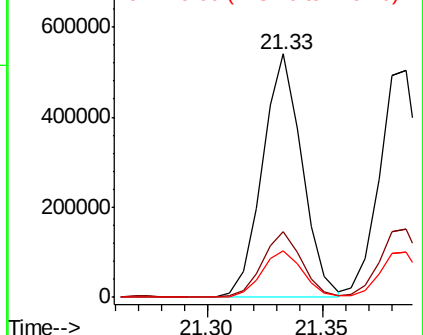
228 100

226 26.9 21.6 32.4

229 18.9 15.5 23.3



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

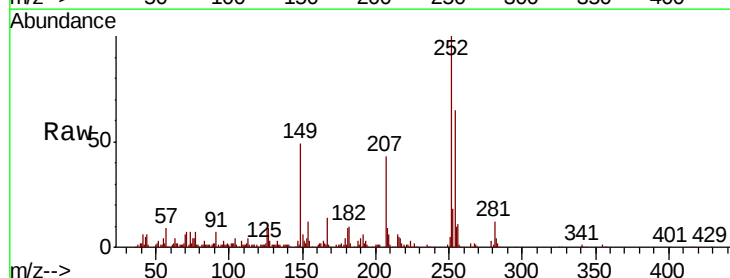
Tgt Ion:252 Resp: 215652

Ion Ratio Lower Upper

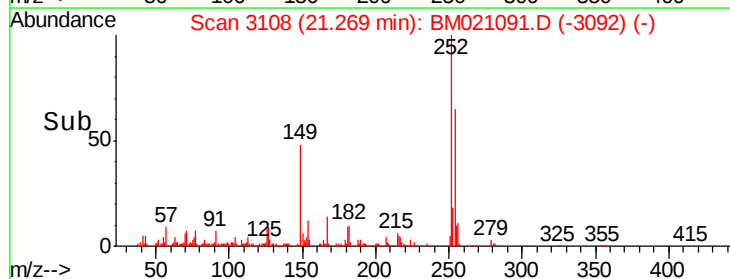
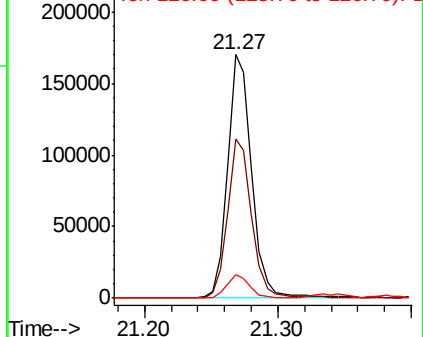
252 100

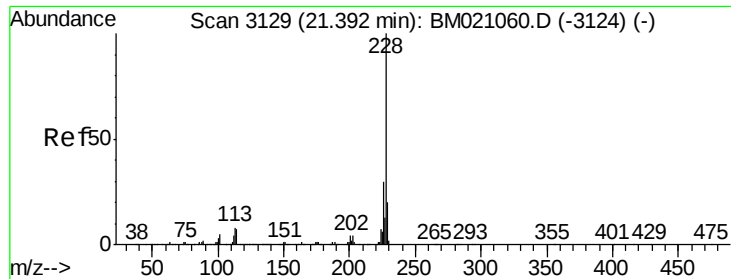
254 65.2 51.7 77.5

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

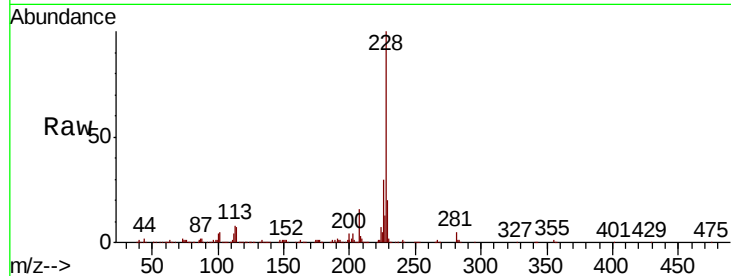
Tgt Ion:228 Resp: 635739

Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

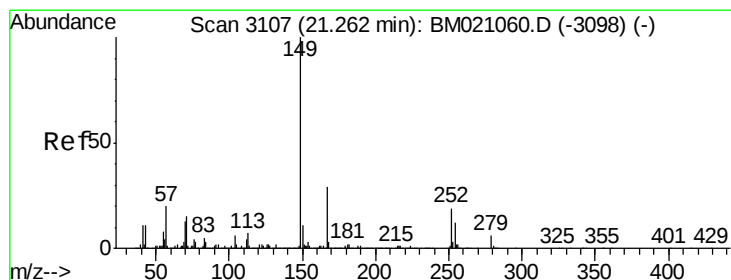
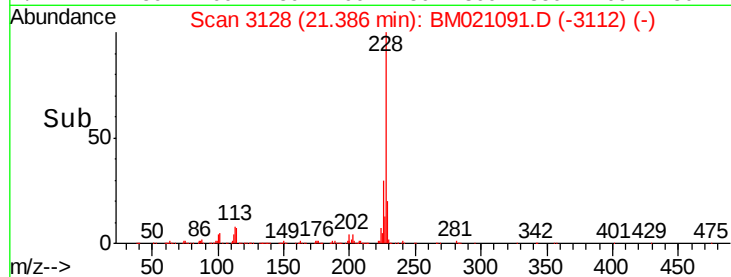
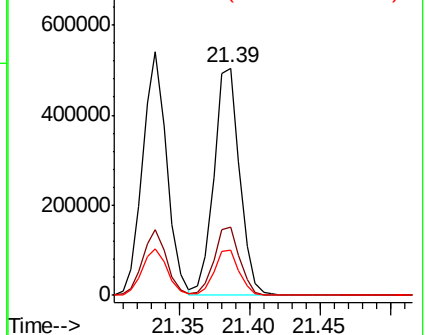
229 20.1 15.6 23.4



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



#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

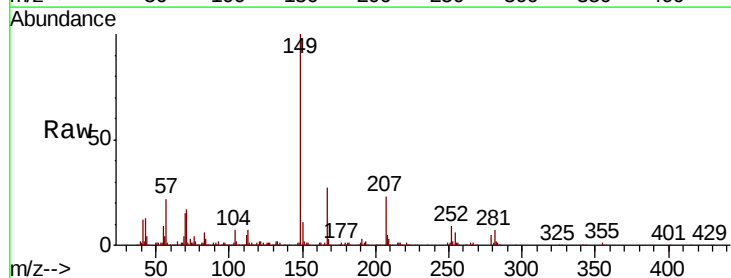
Tgt Ion:149 Resp: 315926

Ion Ratio Lower Upper

149 100

167 27.0 23.0 34.4

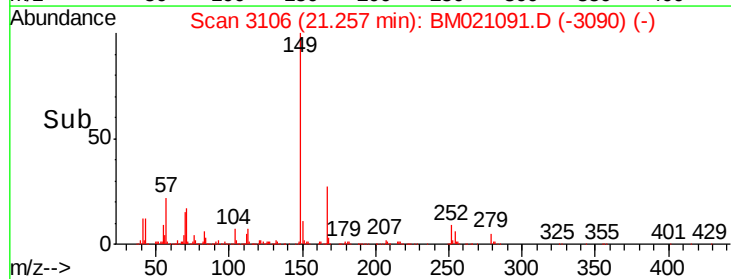
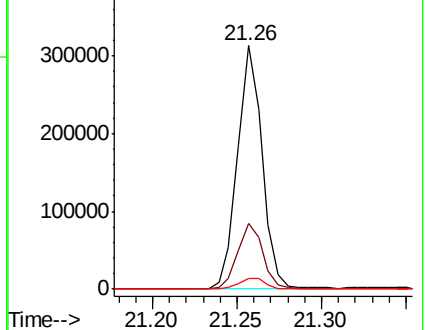
279 4.6 4.6 7.0#

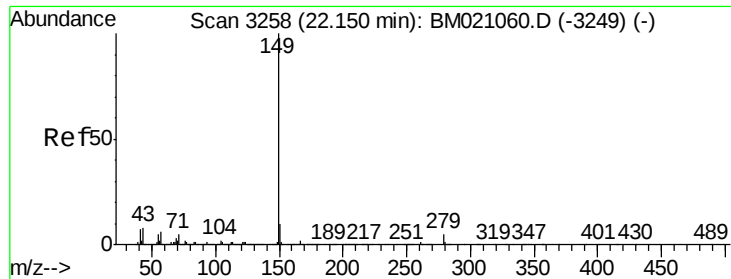


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#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

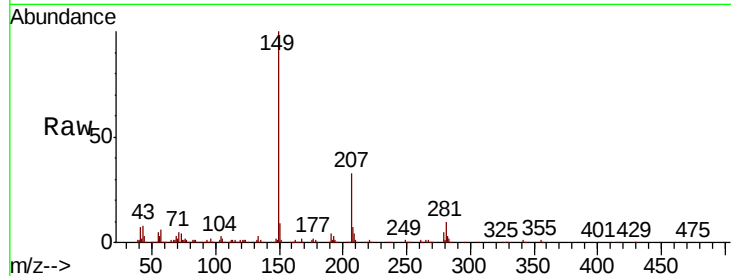
Tgt Ion:149 Resp: 509445

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

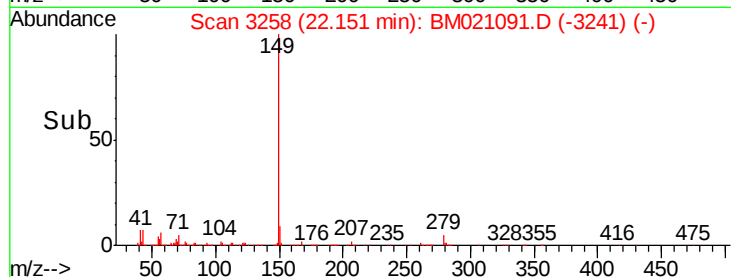
43 7.9 6.2 9.2



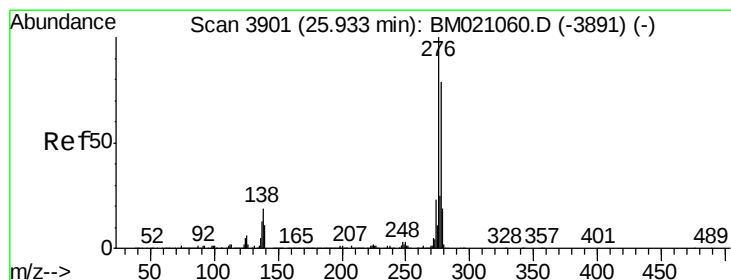
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BMO



Time-->



#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

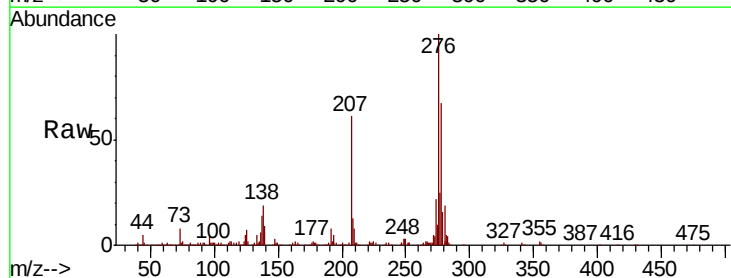
Tgt Ion:276 Resp: 718182

Ion Ratio Lower Upper

276 100

138 19.8 15.4 23.0

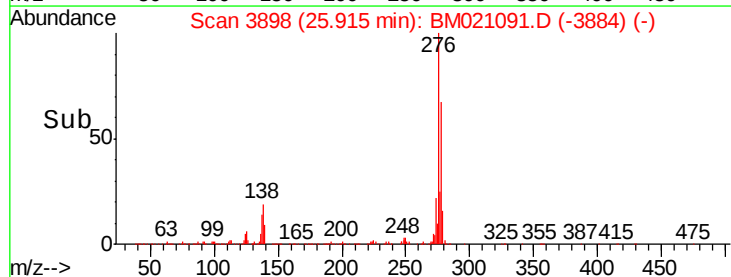
277 25.3 20.4 30.6



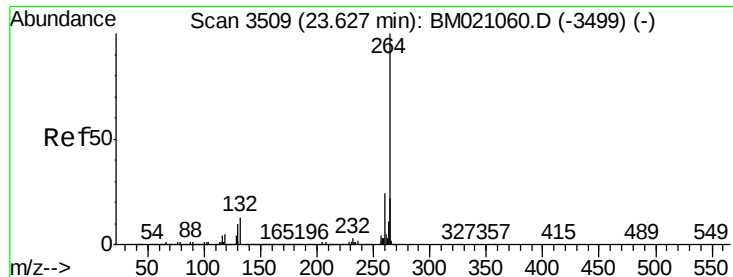
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#87

Perylene-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

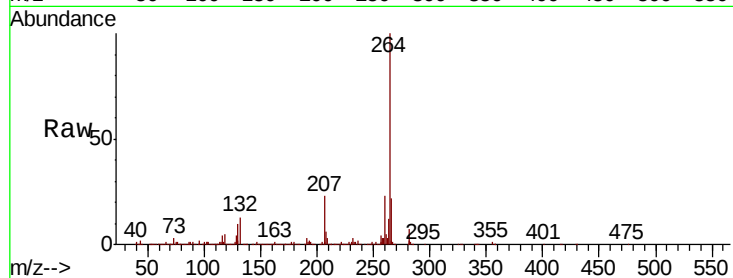
Tgt Ion:264 Resp: 1280023

Ion Ratio Lower Upper

264 100

260 23.0 19.0 28.4

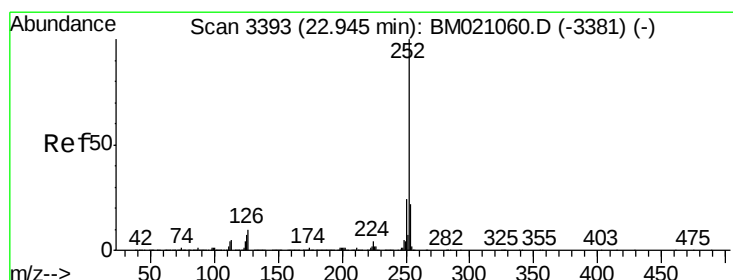
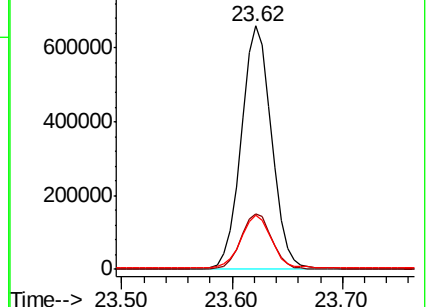
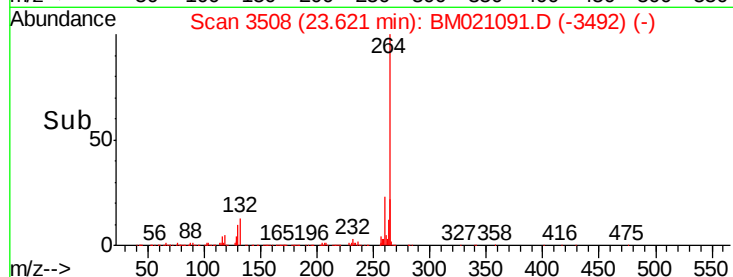
265 22.4 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 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

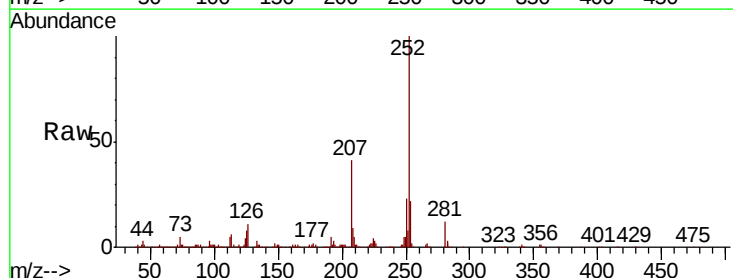
Tgt Ion:252 Resp: 627727

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

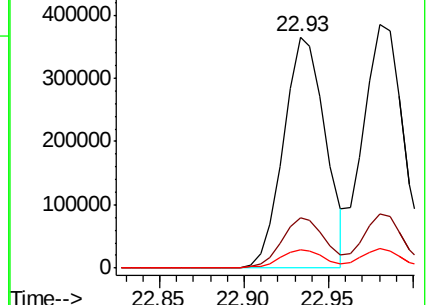
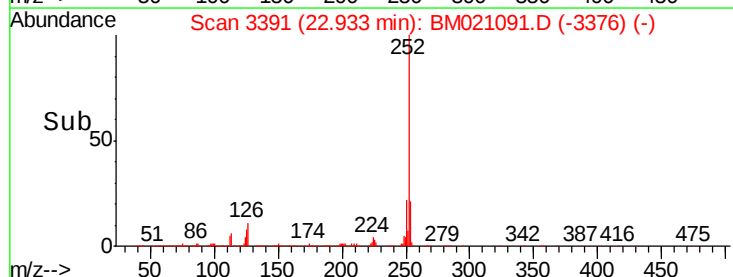
125 7.9 5.9 8.9

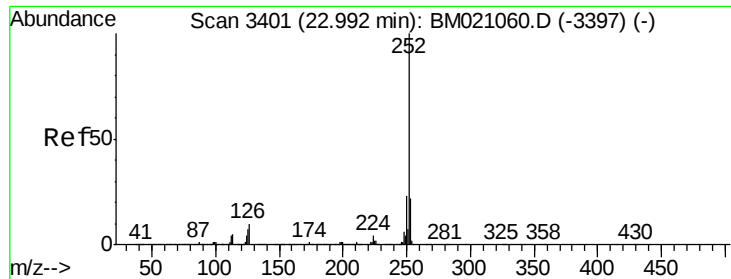


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 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

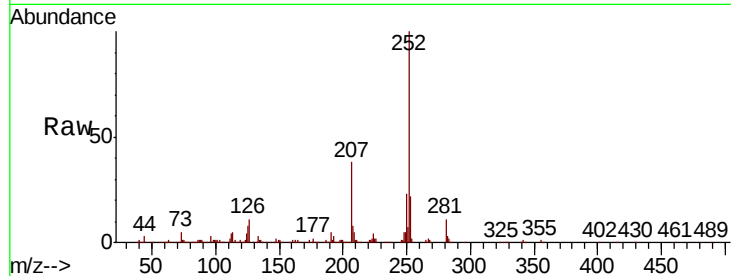
Tgt Ion:252 Resp: 638105

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 8.1 5.9 8.9

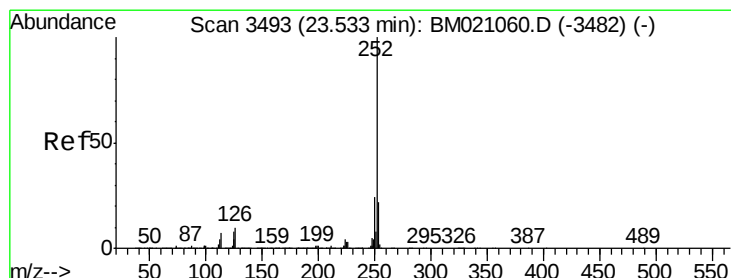
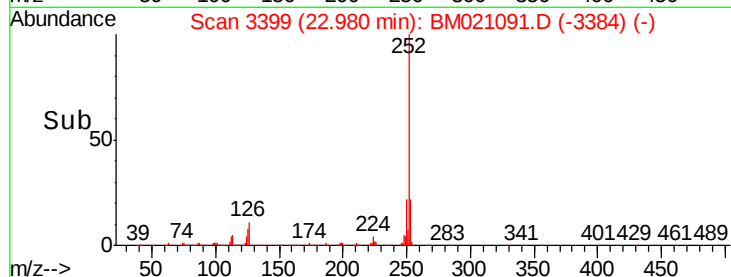
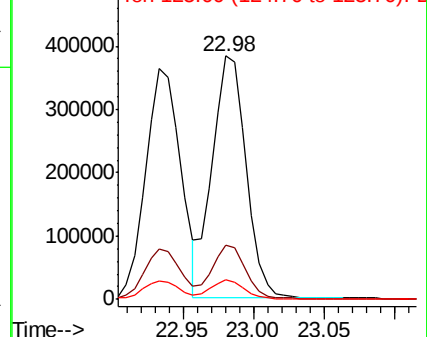


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#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

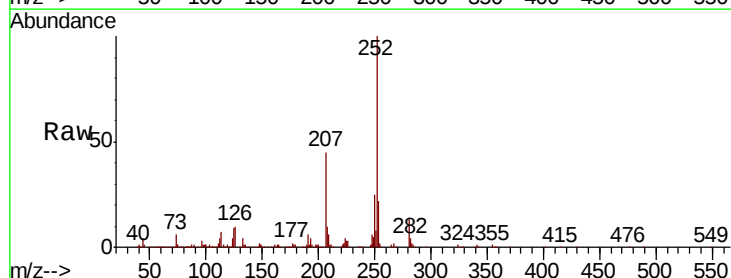
Tgt Ion:252 Resp: 599358

Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 9.1 6.6 10.0

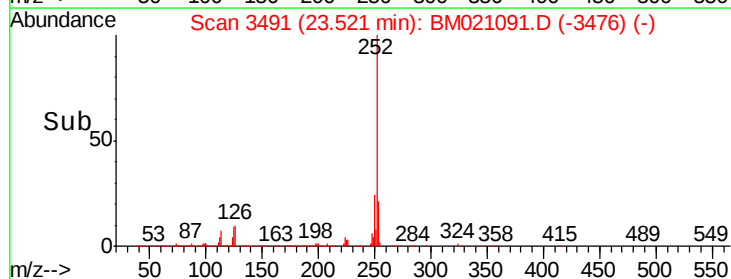
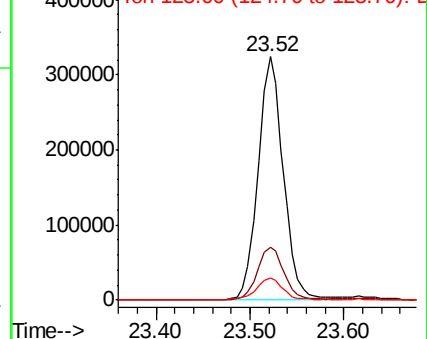


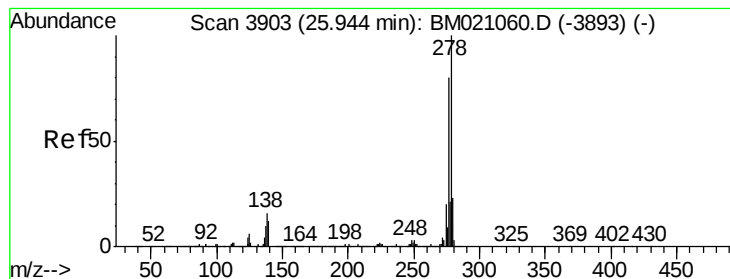
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#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

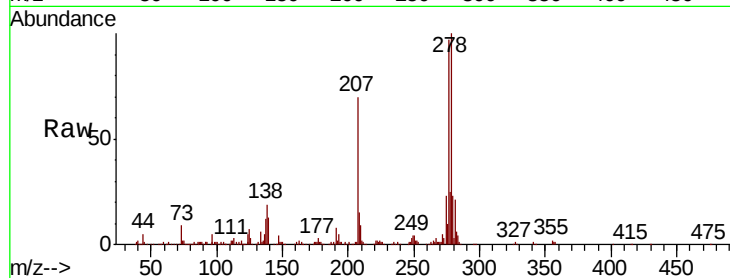
Tgt Ion:278 Resp: 597749

Ion Ratio Lower Upper

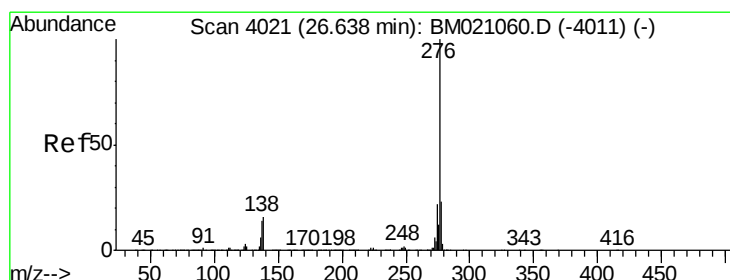
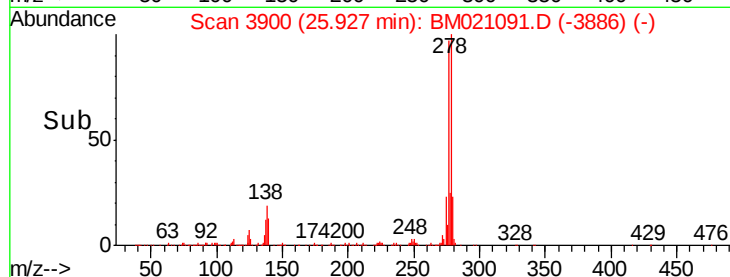
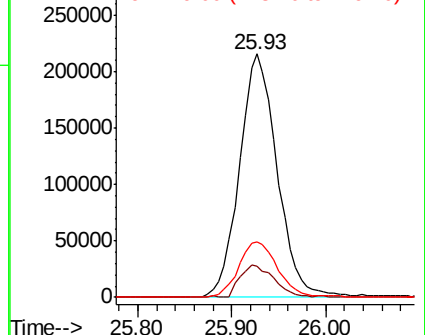
278 100

139 12.9 9.8 14.8

279 22.8 18.7 28.1



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 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

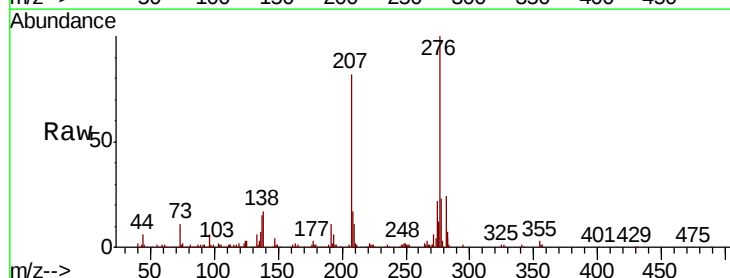
Tgt Ion:276 Resp: 593472

Ion Ratio Lower Upper

276 100

277 22.9 18.8 28.2

138 16.9 13.1 19.7



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

