

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101818\
 Data File : BM017193.D
 Acq On : 18 Oct 2018 15:13
 Operator : MJ/SJ
 Sample : J5164-03
 Misc : MDL 2 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Quant Time: Oct 19 09:35:19 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM101718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 17 14:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	208152	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	856732	20.00	ng	0.00
39) Acenaphthene-d10	14.31	164	488277	20.00	ng	0.00
64) Phenanthrene-d10	17.06	188	1146792	20.00	ng	0.00
76) Chrysene-d12	21.25	240	1314059	20.00	ng	-0.01
87) Perylene-d12	23.46	264	1359129	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.28	112	1542340	125.32	ng	0.00
7) Phenol-d6	6.85	99	2004059	119.56	ng	0.00
23) Nitrobenzene-d5	8.82	82	1176411	80.31	ng	-0.01
42) 2,4,6-Tribromophenol	15.81	330	863047	130.70	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	2808398	76.53	ng	0.00
79) Terphenyl-d14	19.70	244	4385171	75.22	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.27	88	10407	1.656	ng	# 90
3) Pyridine	3.66	79	24533	1.697	ng	# 81
4) n-Nitrosodimethylamine	3.57	42	10849	1.869	ng	# 68
6) Aniline	7.01	93	23794	1.135	ng	95
8) 2-Chlorophenol	7.23	128	25696	1.805	ng	93
9) Benzaldehyde	6.83	77	21413	2.004	ng	84
10) Phenol	6.87	94	30897	1.713	ng	88
11) bis(2-Chloroethyl)ether	7.11	93	23365	1.625	ng	95
12) 1,3-Dichlorobenzene	7.56	146	27980	1.686	ng	95
13) 1,4-Dichlorobenzene	7.70	146	28391	1.674	ng	95
14) 1,2-Dichlorobenzene	8.02	146	27181	1.664	ng	91
15) Benzyl Alcohol	7.92	79	20181	1.647	ng	92
16) 2,2'-oxybis(1-Chloropropan	8.19	45	32376	1.612	ng	99
17) 2-Methylphenol	8.12	107	18166	1.569	ng	93
18) Hexachloroethane	8.74	117	9542	1.644	ng	92
19) n-Nitroso-di-n-propylamine	8.47	70	16950	1.536	ng	# 96
20) 3+4-Methylphenols	8.44	107	21880	1.382	ng	92
22) Acetophenone	8.49	105	35825	1.650	ng	# 96
24) Nitrobenzene	8.86	77	28502	1.839	ng	# 85
25) Isophorone	9.39	82	42632	1.762	ng	99
26) 2-Nitrophenol	9.57	139	9474	6.855	ng	98
27) 2,4-Dimethylphenol	9.63	122	18381	1.719	ng	88
28) bis(2-Chloroethoxy)methane	9.87	93	28480	1.673	ng	98
29) 2,4-Dichlorophenol	10.10	162	18229	1.468	ng	94
30) 1,2,4-Trichlorobenzene	10.31	180	26889	1.805	ng	98
31) Naphthalene	10.49	128	78146	1.861	ng	98
32) Benzoic acid	9.83	122	189	0.024	ng	# 30
33) 4-Chloroaniline	10.62	127	19653	1.084	ng	# 93
34) Hexachlorobutadiene	10.78	225	16171	1.713	ng	# 84
35) Caprolactam	11.40	113	4112	0.909	ng	89
36) 4-Chloro-3-methylphenol	11.75	107	19861	1.419	ng	# 84
37) 2-Methylnaphthalene	12.12	142	55282	1.924	ng	94
38) 1-Methylnaphthalene	12.33	142	53131	1.900	ng	# 97
40) 1,2,4,5-Tetrachlorobenzene	12.49	216	29009	1.687	ng	99

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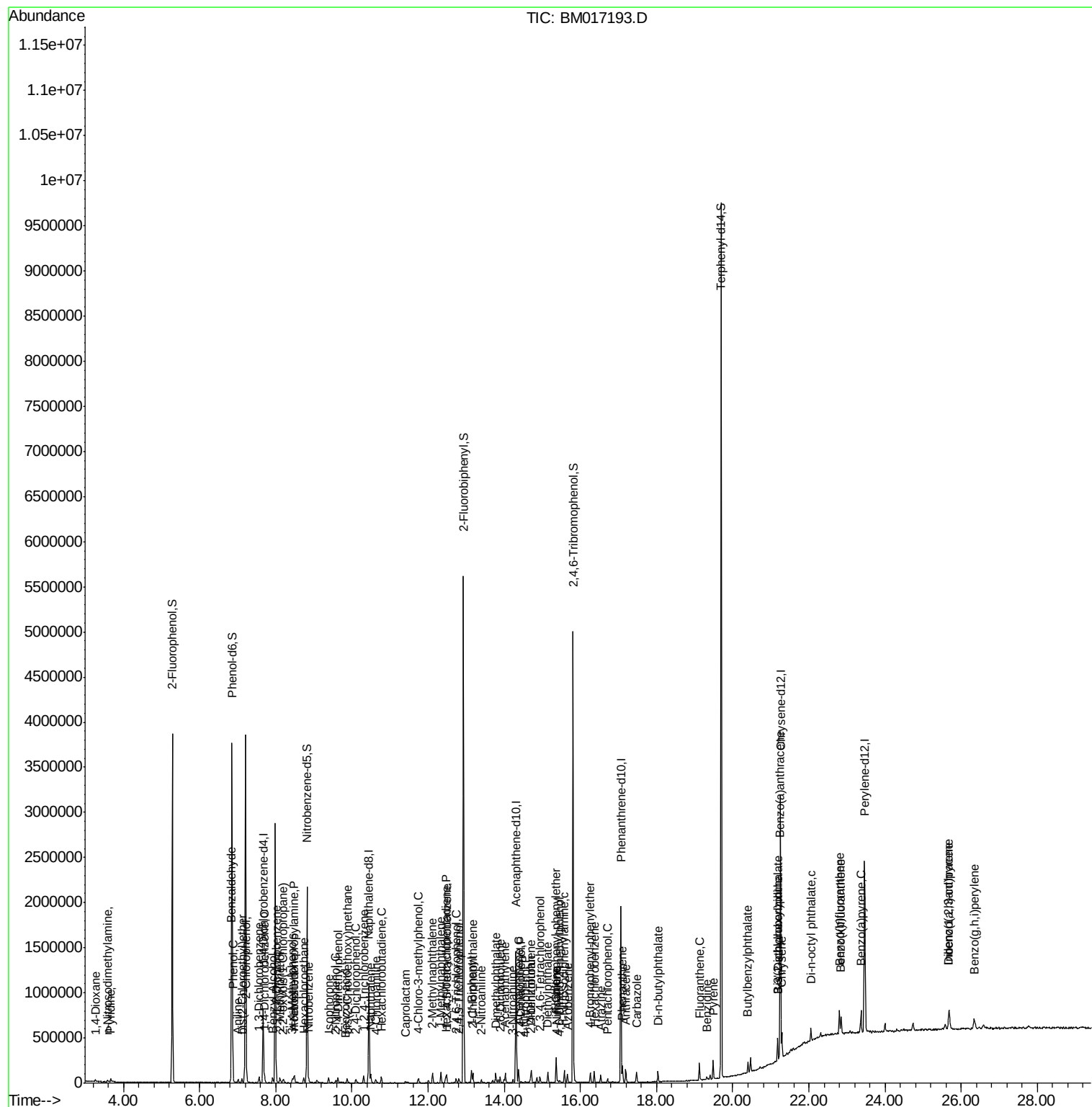
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.46	237	16786	2.019	ng	96
43) 2,4,6-Trichlorophenol	12.74	196	13806	1.383	ng	96
44) 2,4,5-Trichlorophenol	12.81	196	15284	1.428	ng	87
46) 1,1'-Biphenyl	13.14	154	74868	1.704	ng	93
47) 2-Chloronaphthalene	13.18	162	53497	1.655	ng	98
48) 2-Nitroaniline	13.40	65	10641	6.714	ng	96
49) Acenaphthylene	14.03	152	78511	1.676	ng	96
50) Dimethylphthalate	13.77	163	66781	1.773	ng	99
51) 2,6-Dinitrotoluene	13.89	165	10254	1.237	ng #	81
52) Acenaphthene	14.37	154	50755	1.725	ng	97
53) 3-Nitroaniline	14.23	138	8450	0.941	ng	90
54) 2,4-Dinitrophenol	14.44	184	3256	8.827	ng #	89
55) Dibenzofuran	14.71	168	87097	1.780	ng	98
56) 4-Nitrophenol	14.55	139	6304	5.442	ng	82
57) 2,4-Dinitrotoluene	14.69	165	13117	1.177	ng #	93
58) Fluorene	15.36	166	64676	1.786	ng	97
59) 2,3,4,6-Tetrachlorophenol	14.94	232	14840	1.521	ng #	95
60) Diethylphthalate	15.14	149	63220	1.692	ng	98
61) 4-Chlorophenyl-phenylether	15.36	204	35355	1.713	ng	93
62) 4-Nitroaniline	15.39	138	7830	5.459	ng	93
63) Azobenzene	15.66	77	52855	1.456	ng	97
65) 4,6-Dinitro-2-methylphenol	15.45	198	6192	7.720	ng #	77
66) n-Nitrosodiphenylamine	15.58	169	51609	1.487	ng	98
67) 4-Bromophenyl-phenylether	16.26	248	21031	1.670	ng	93
68) Hexachlorobenzene	16.36	284	25286	1.729	ng	93
69) Atrazine	16.53	200	16773	1.351	ng	94
70) Pentachlorophenol	16.72	266	9630	0.961	ng	92
71) Phenanthrene	17.10	178	113720	1.838	ng	99
72) Anthracene	17.20	178	100223	1.705	ng	99
73) Carbazole	17.47	167	84472	1.407	ng	98
74) Di-n-butylphthalate	18.04	149	85794	1.354	ng	98
75) Fluoranthene	19.13	202	121150	1.740	ng	99
77) Benzidine	19.32	184	24326	0.730	ng	98
78) Pyrene	19.49	202	127530	1.736	ng	98
80) Butylbenzylphthalate	20.40	149	35642	8.261	ng	91
81) Benzo(a)anthracene	21.24	228	132409	1.791	ng	97
82) 3,3'-Dichlorobenzidine	21.18	252	28907	1.049	ng	98
83) Chrysene	21.29	228	135556	1.852	ng	97
84) Bis(2-ethylhexyl)phthalate	21.18	149	49910	6.346	ng	99
85) Di-n-octyl phthalate	22.05	149	87076	6.634	ng #	97
86) Indeno(1,2,3-cd)pyrene	25.68	276	148566	1.815	ng	98
88) Benzo(b)fluoranthene	22.80	252	134522	1.810	ng	97
89) Benzo(k)fluoranthene	22.84	252	124778	1.673	ng	98
90) Benzo(a)pyrene	23.37	252	124858	1.770	ng	99
91) Dibenzo(a,h)anthracene	25.69	278	128910	1.840	ng	96
92) Benzo(g,h,i)perylene	26.34	276	129454	1.864	ng	96

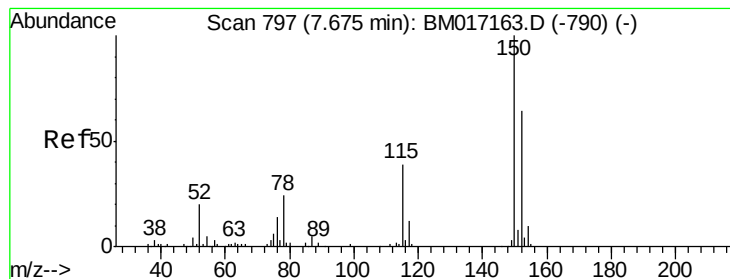
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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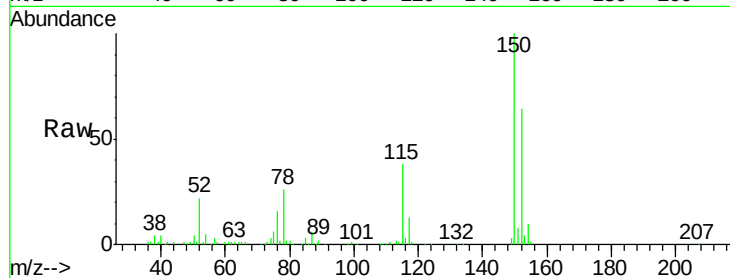


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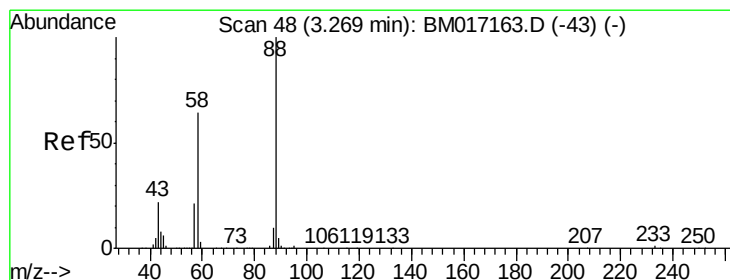
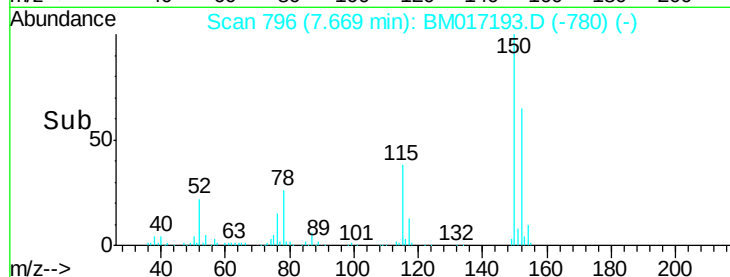
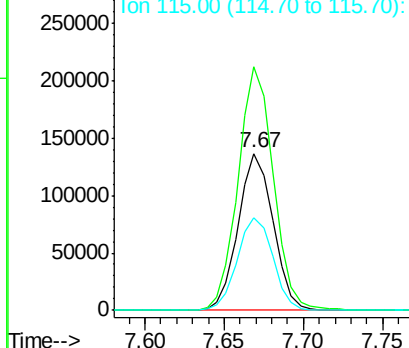
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.67 min Scan# 796
Delta R.T. -0.01 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:152 Resp: 208152
Ion Ratio Lower Upper
152 100
150 155.1 124.3 186.5
115 59.1 48.1 72.1



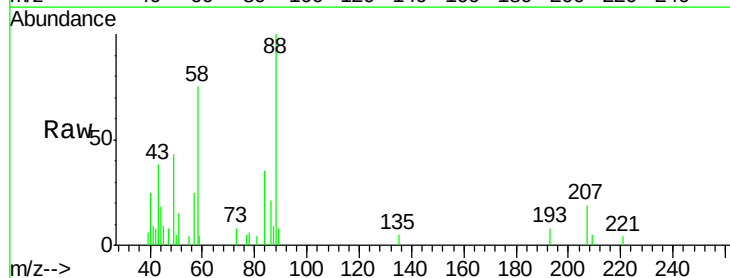
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



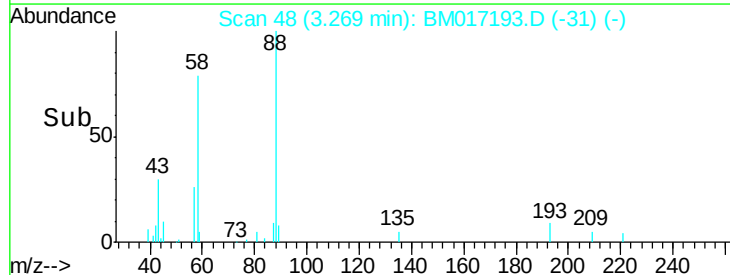
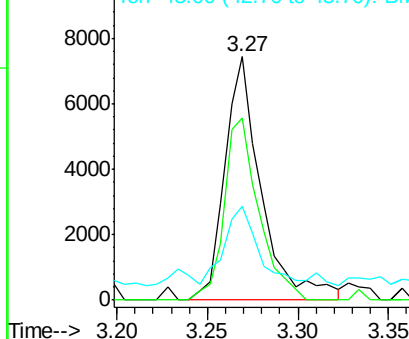
#2

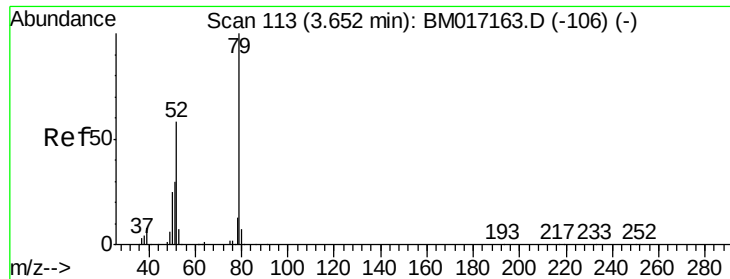
1,4-Dioxane
Concen: 1.656 ng
RT: 3.27 min Scan# 48
Delta R.T. -0.00 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

Tgt Ion: 88 Resp: 10407
Ion Ratio Lower Upper
88 100
58 70.9 50.2 75.4
43 29.3 19.3 28.9#



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: 1.697 ng

RT: 3.66 min Scan# 115

Delta R.T. 0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

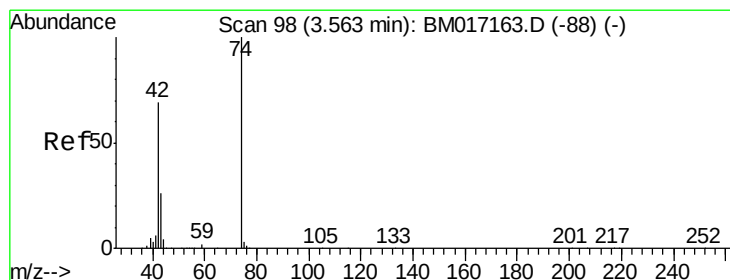
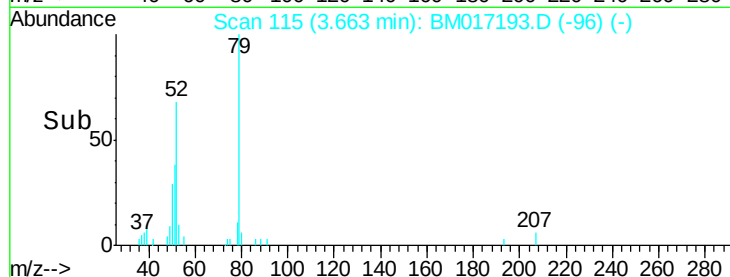
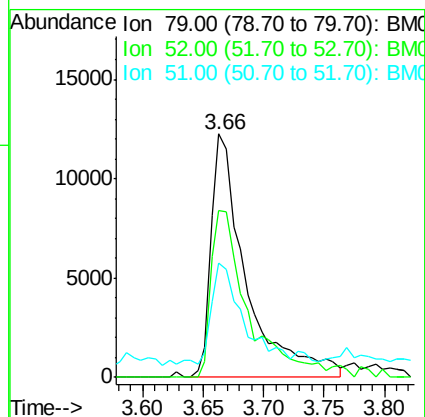
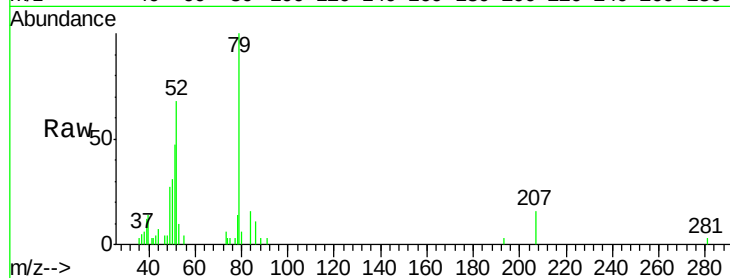
Tgt Ion: 79 Resp: 24533

Ion Ratio Lower Upper

79 100

52 68.4 46.5 69.7

51 47.1 24.6 37.0#



#4

n-Nitrosodimethylamine

Concen: 1.869 ng

RT: 3.57 min Scan# 99

Delta R.T. 0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

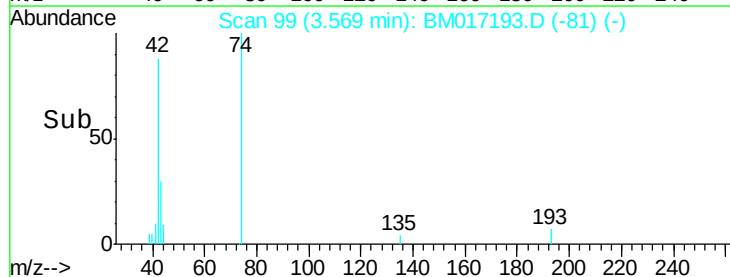
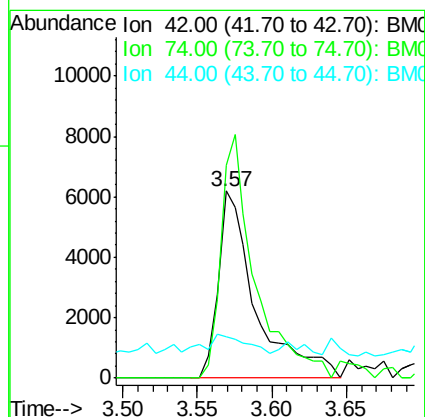
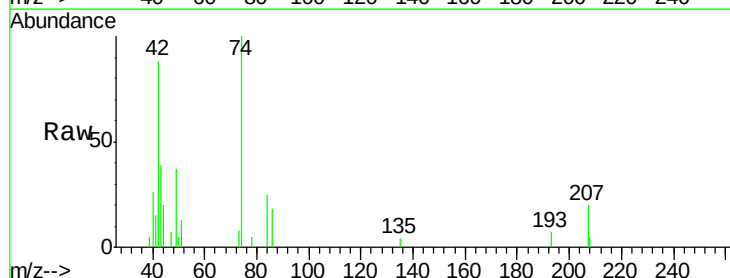
Tgt Ion: 42 Resp: 10849

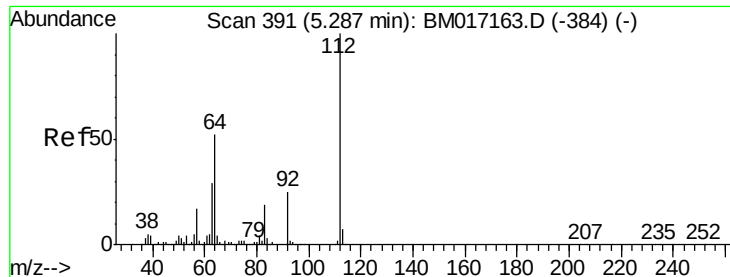
Ion Ratio Lower Upper

42 100

74 113.7 114.4 171.6#

44 22.3 48.6 73.0#





#5

2-Fluorophenol

Concen: 125.323 ng

RT: 5.28 min Scan# 390

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

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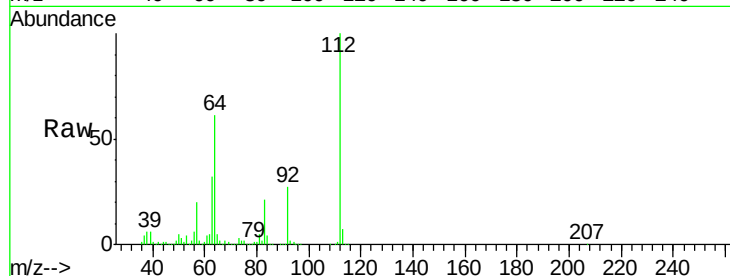
Tgt Ion: 112 Resp: 1542340

Ion Ratio Lower Upper

112 100

64 61.0 41.7 62.5

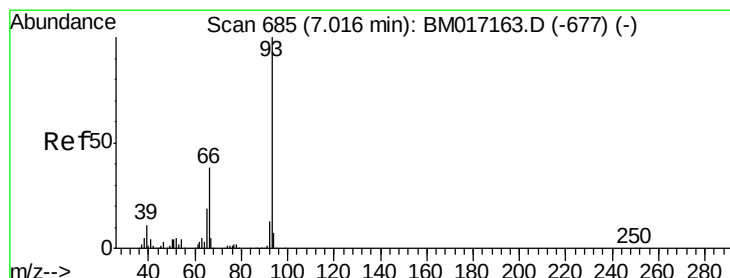
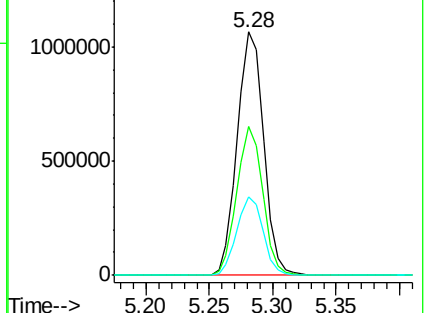
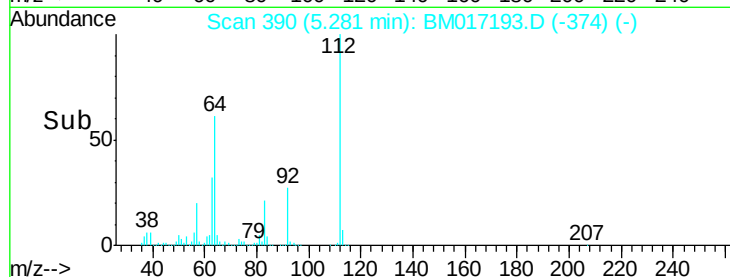
63 32.2 23.0 34.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#6

Aniline

Concen: 1.135 ng

RT: 7.01 min Scan# 684

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

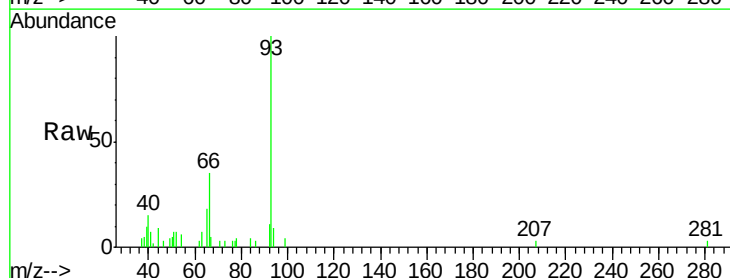
Tgt Ion: 93 Resp: 23794

Ion Ratio Lower Upper

93 100

66 34.7 30.4 45.6

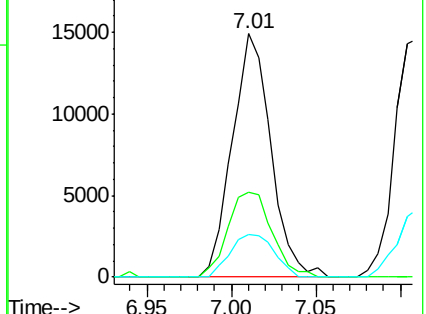
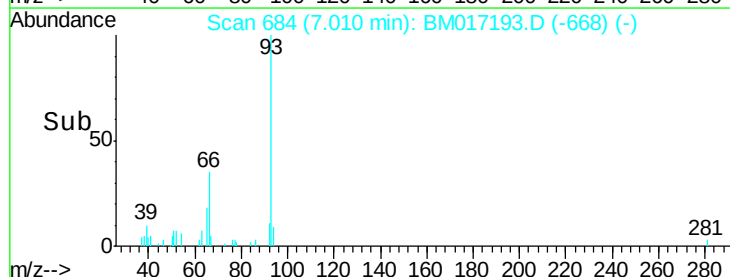
65 17.6 15.3 22.9

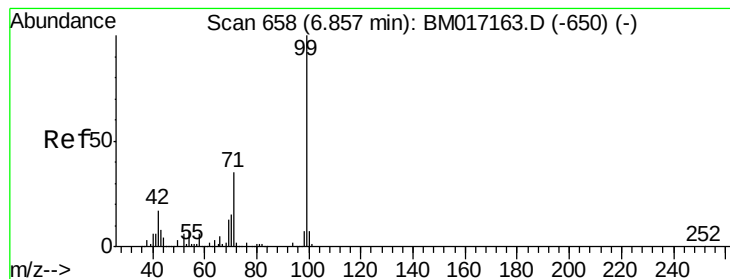


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

Ion 65.00 (64.70 to 65.70): BM0





#7

Phenol-d6

Concen: 119.564 ng

RT: 6.85 min Scan# 657

Delta R.T. -0.01 min

Lab File: BM017193.D

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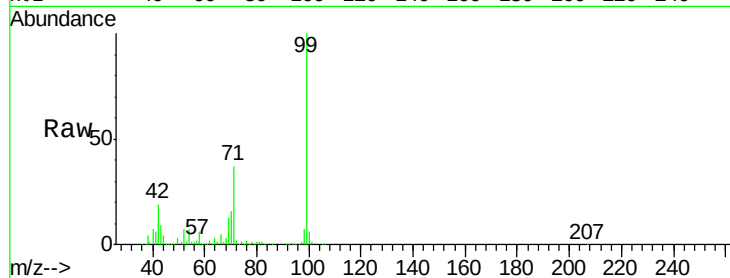
Tgt Ion: 99 Resp: 2004059

Ion Ratio Lower Upper

99 100

42 18.6 13.3 19.9

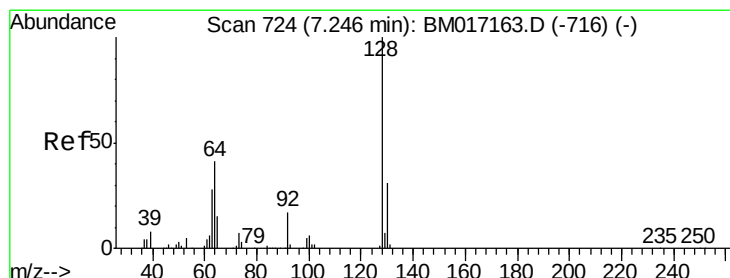
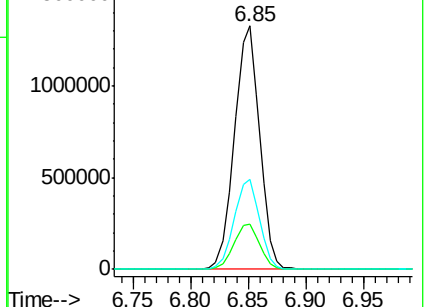
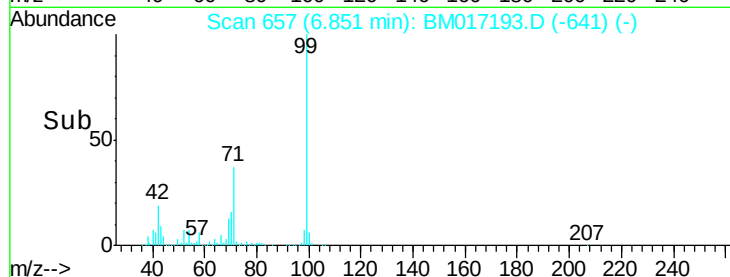
71 37.2 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM017193.D (-641) (-)

Ion 42.00 (41.70 to 42.70): BM017193.D (-641) (-)

Ion 71.00 (70.70 to 71.70): BM017193.D (-641) (-)



#8

2-Chlorophenol

Concen: 1.805 ng

RT: 7.23 min Scan# 722

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

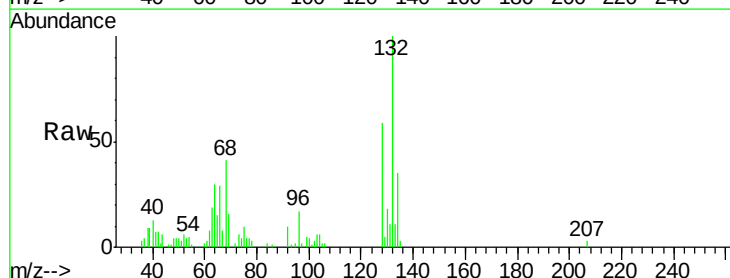
Tgt Ion: 128 Resp: 25696

Ion Ratio Lower Upper

128 100

130 30.8 11.0 51.0

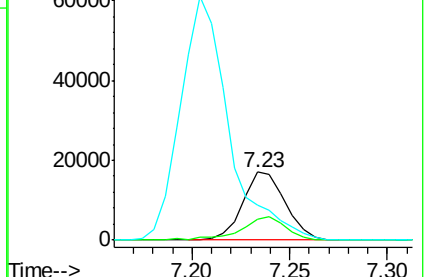
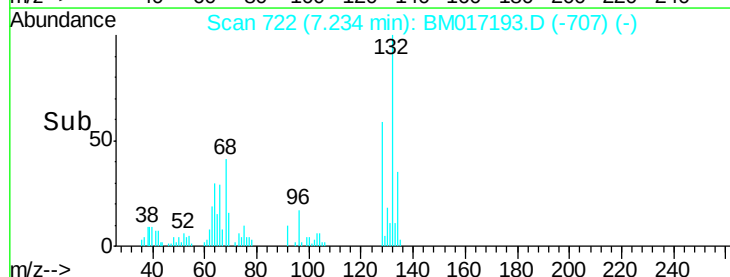
64 51.2 24.1 64.1

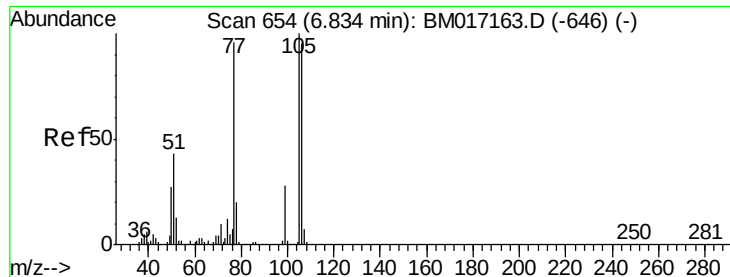


Abundance Ion 128.00 (127.70 to 128.70): BM017193.D (-707) (-)

Ion 130.00 (129.70 to 130.70): BM017193.D (-707) (-)

Ion 64.00 (63.70 to 64.70): BM017193.D (-707) (-)





#9

Benzaldehyde

Concen: 2.004 ng

RT: 6.83 min Scan# 653

Delta R.T. -0.01 min

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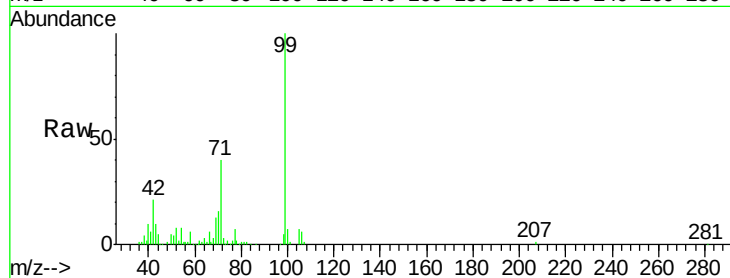
Tgt Ion: 77 Resp: 21413

Ion Ratio Lower Upper

77 100

105 89.6 83.9 123.9

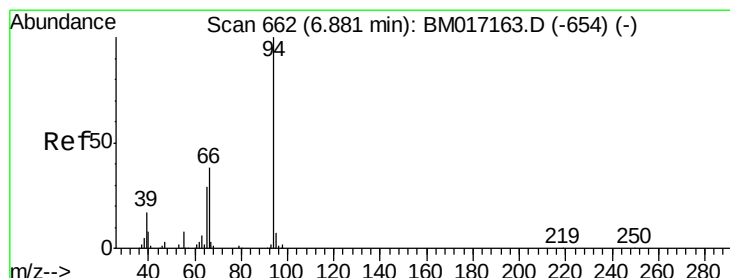
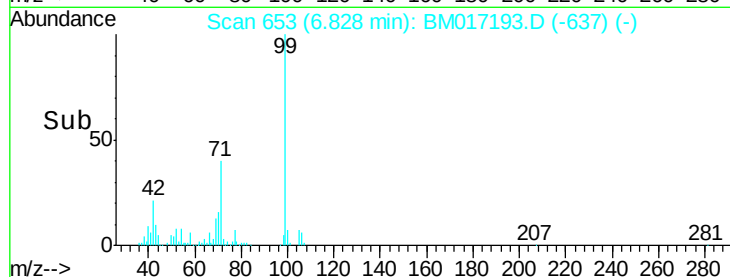
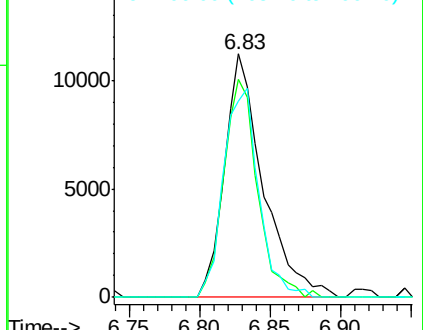
106 80.5 78.2 118.2



Abundance Ion 77.00 (76.70 to 77.70): BM017193.D (-637) (-)

Ion 105.00 (104.70 to 105.70): BM017193.D (-637) (-)

Ion 106.00 (105.70 to 106.70): BM017193.D (-637) (-)



#10

Phenol

Concen: 1.713 ng

RT: 6.87 min Scan# 661

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

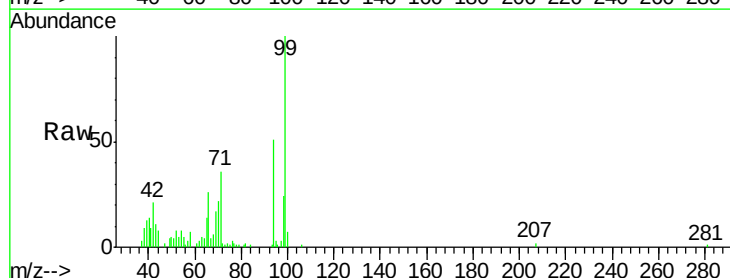
Tgt Ion: 94 Resp: 30897

Ion Ratio Lower Upper

94 100

65 28.2 9.4 49.4

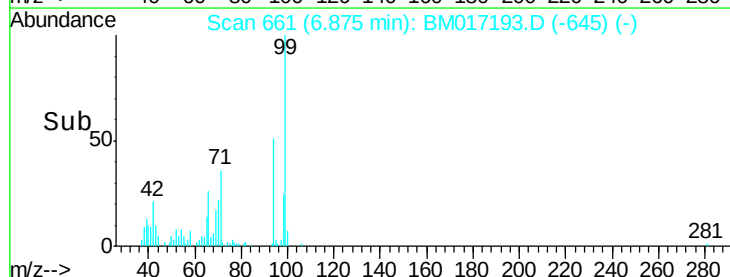
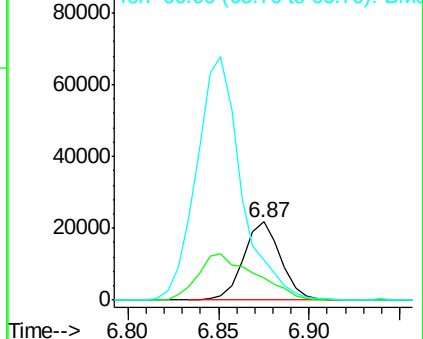
66 50.9 19.0 59.0

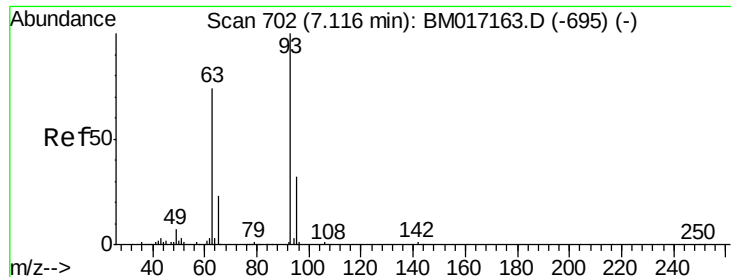


Abundance Ion 94.00 (93.70 to 94.70): BM017193.D (-645) (-)

Ion 65.00 (64.70 to 65.70): BM017193.D (-645) (-)

Ion 66.00 (65.70 to 66.70): BM017193.D (-645) (-)

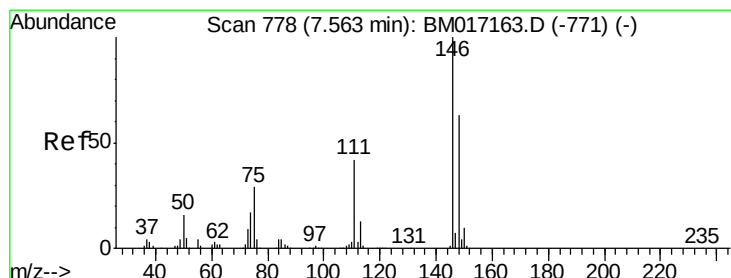
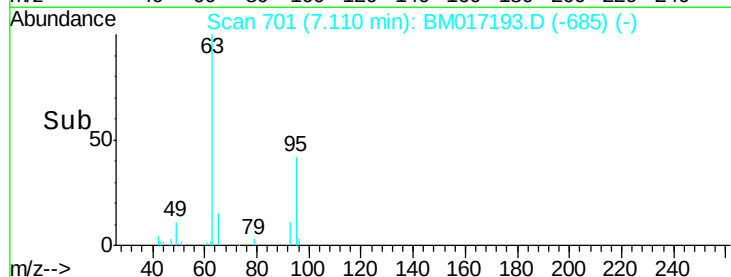
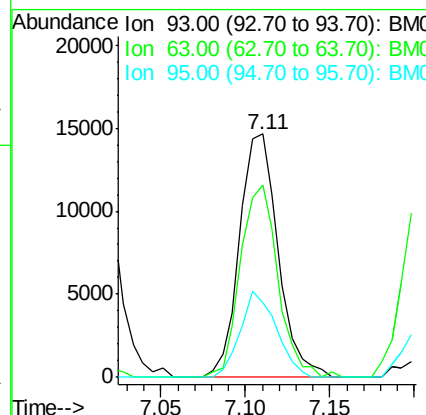
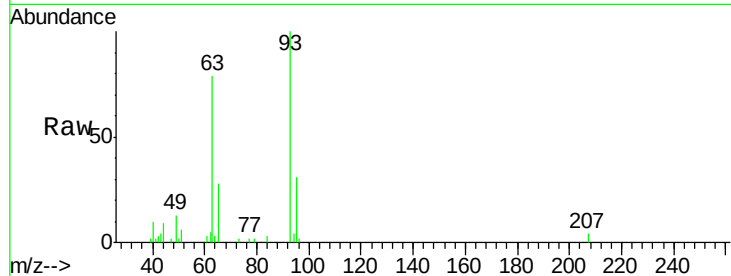




#11
bis(2-Chloroethyl)ether
Concen: 1.625 ng
RT: 7.11 min Scan# 701
Delta R.T. -0.01 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

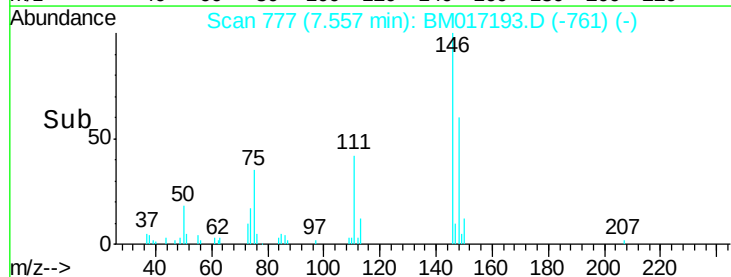
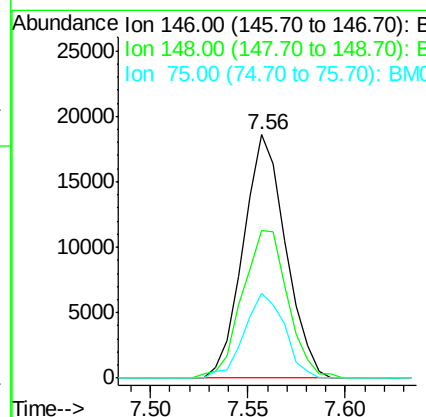
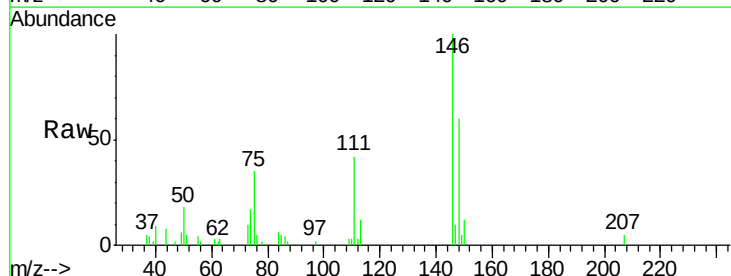
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

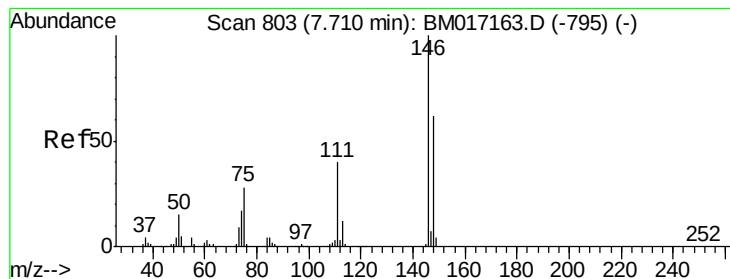
Tgt Ion	Ratio	Lower	Upper
93	100		
63	79.0	54.0	94.0
95	30.8	11.8	51.8



#12
1,3-Dichlorobenzene
Concen: 1.686 ng
RT: 7.56 min Scan# 777
Delta R.T. -0.01 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

Tgt Ion	Ratio	Lower	Upper
146	100		
148	60.4	50.2	75.4
75	34.6	23.3	34.9





#13

1,4-Dichlorobenzene

Concen: 1.674 ng

RT: 7.70 min Scan# 802

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

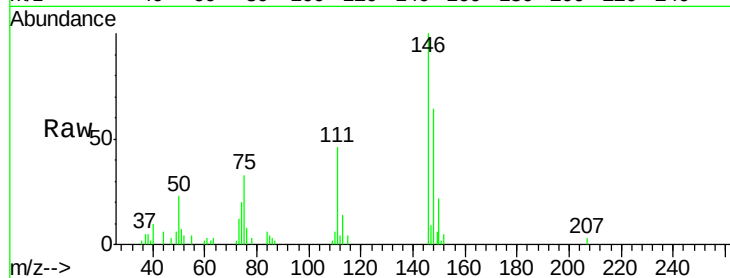
Tgt Ion:146 Resp: 28391

Ion Ratio Lower Upper

146 100

148 63.7 49.8 74.6

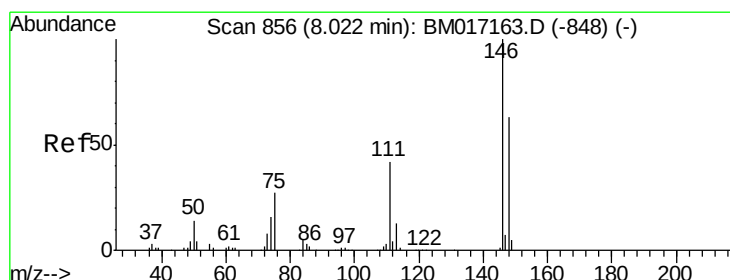
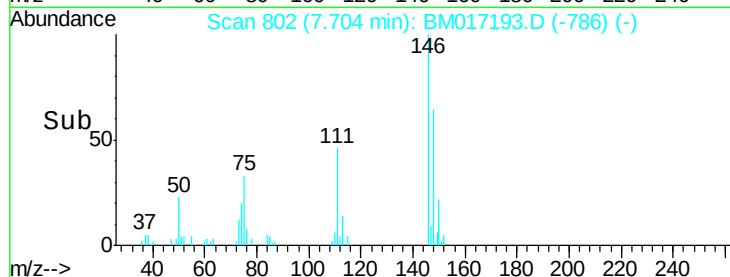
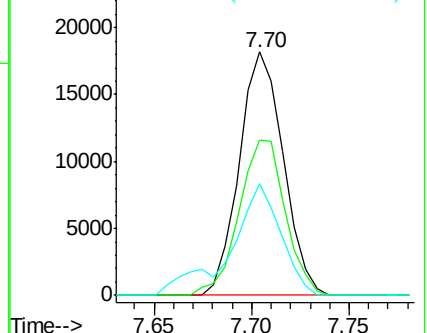
111 45.8 32.1 48.1



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: 1.664 ng

RT: 8.02 min Scan# 855

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

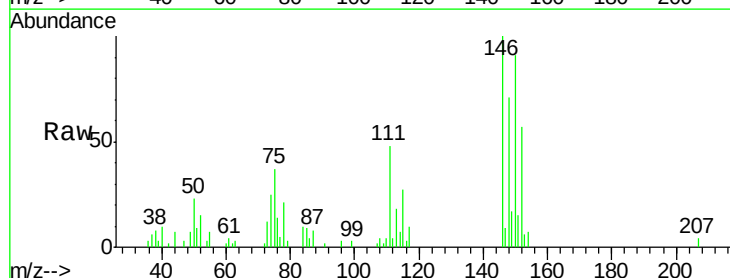
Tgt Ion:146 Resp: 27181

Ion Ratio Lower Upper

146 100

148 70.6 50.8 76.2

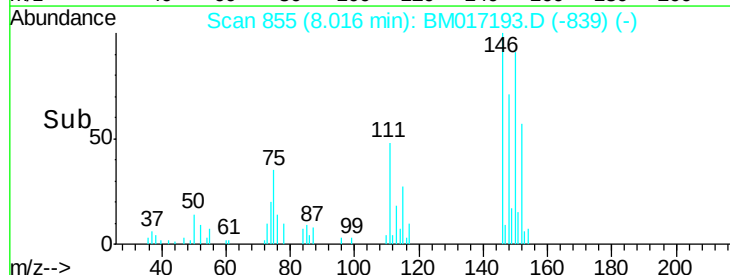
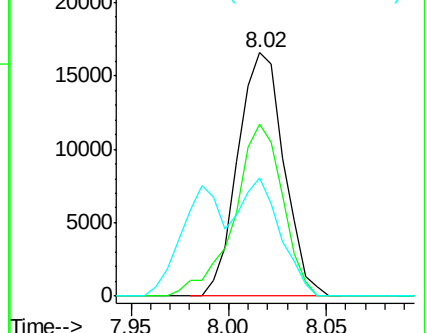
111 48.4 33.8 50.6

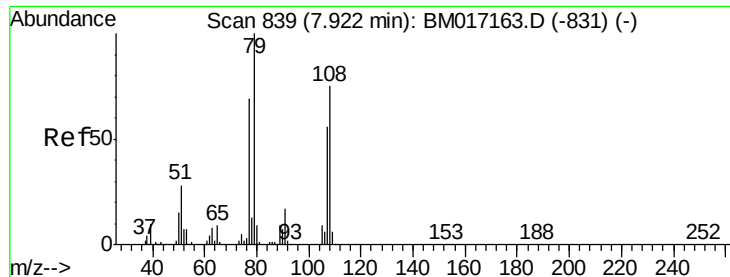


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 1.647 ng

RT: 7.92 min Scan# 838

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

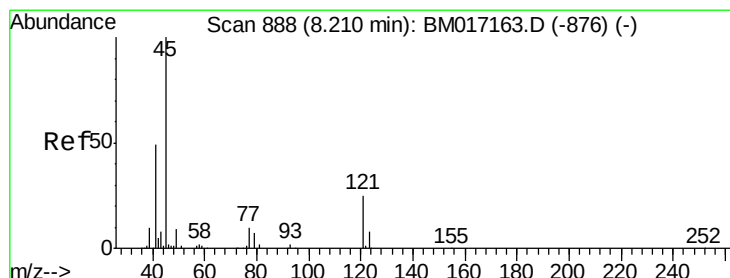
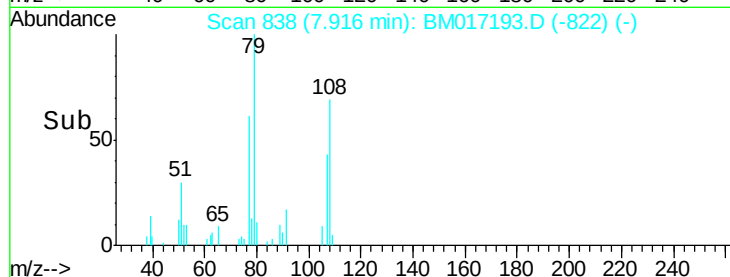
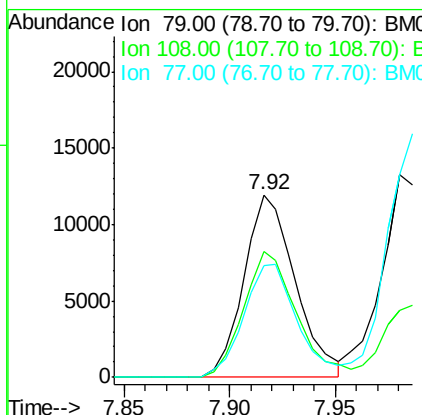
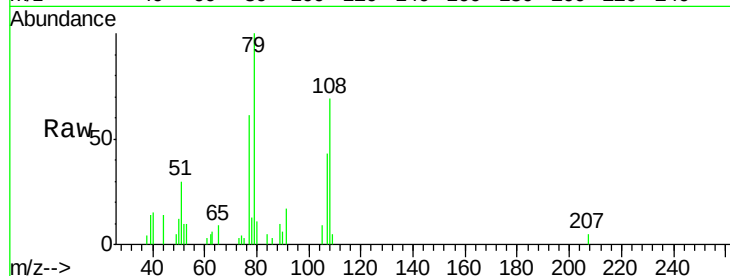
Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	79	Resp:	20181
Ion	Ratio	Lower	Upper
79	100		
108	69.0	60.3	90.5
77	61.4	54.8	82.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 1.612 ng

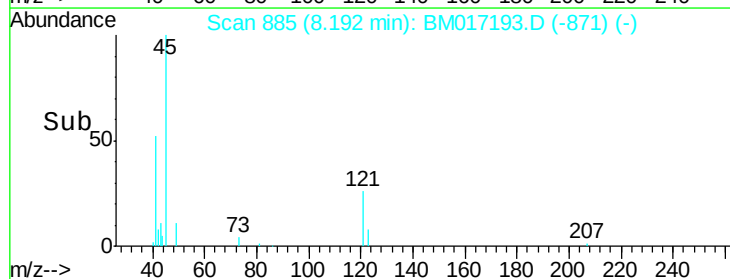
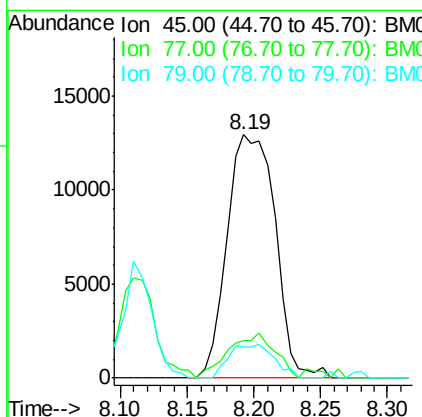
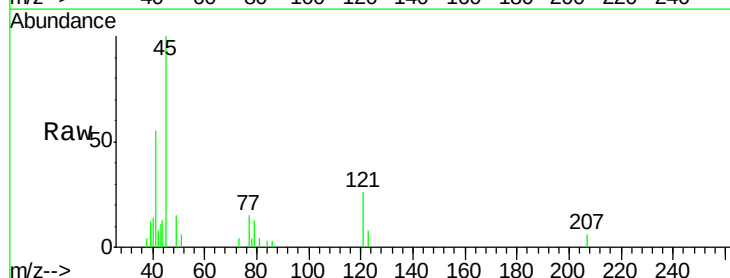
RT: 8.19 min Scan# 885

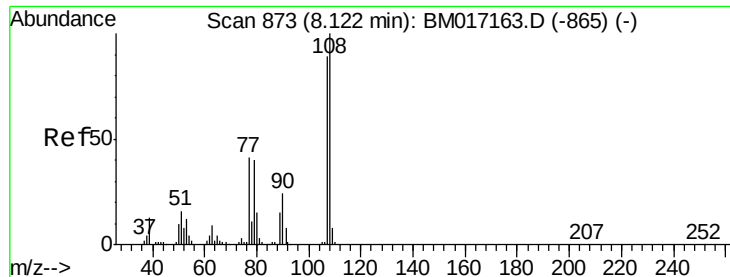
Delta R.T. -0.02 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

Tgt Ion:	45	Resp:	32376
Ion	Ratio	Lower	Upper
45	100		
77	15.3	0.0	35.5
79	12.6	0.0	32.1





#17

2-Methylphenol

Concen: 1.569 ng

RT: 8.12 min Scan# 872

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:107 Resp: 18166

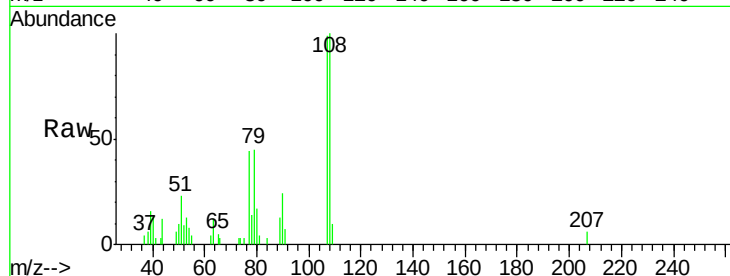
Ion Ratio Lower Upper

107 100

108 101.4 90.3 135.5

77 44.3 37.0 55.4

79 45.2 35.8 53.6

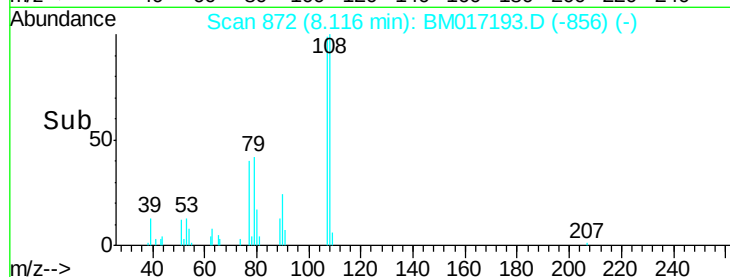


Abundance Ion 107.00 (106.70 to 107.70): E

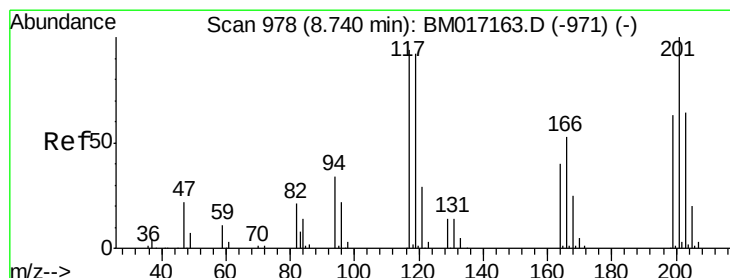
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



Time-->



#18

Hexachloroethane

Concen: 1.644 ng

RT: 8.74 min Scan# 978

Delta R.T. -0.00 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

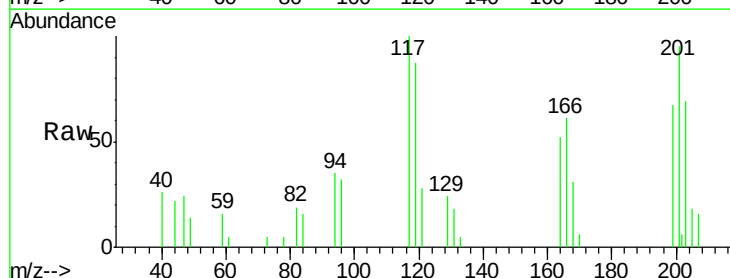
Tgt Ion:117 Resp: 9542

Ion Ratio Lower Upper

117 100

119 86.8 78.2 117.2

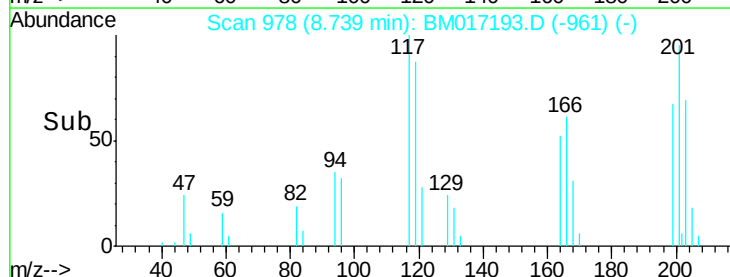
201 101.2 85.3 127.9



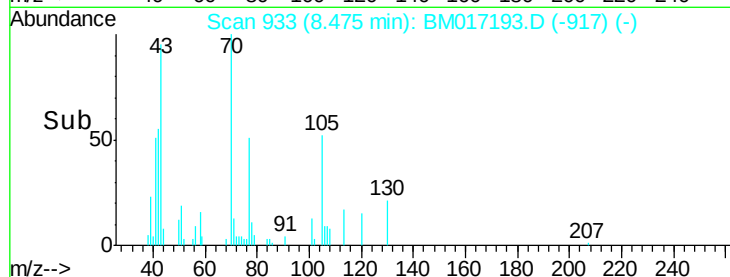
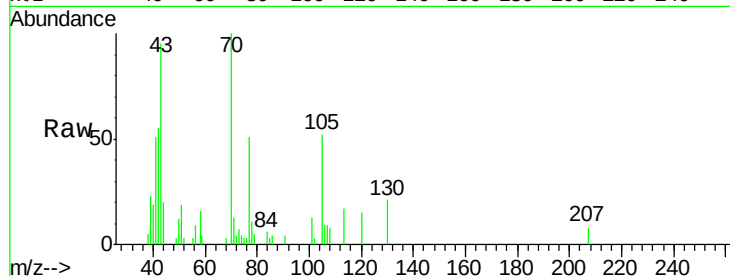
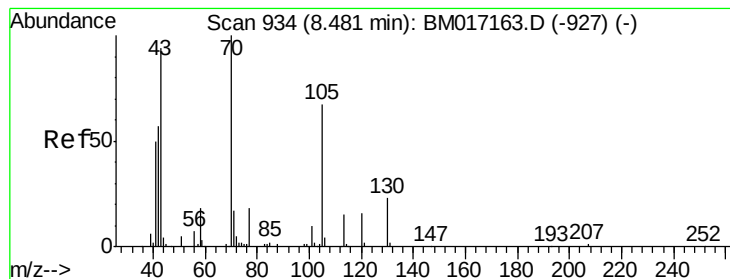
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 1.536 ng

RT: 8.47 min Scan# 933

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 70 Resp: 16950

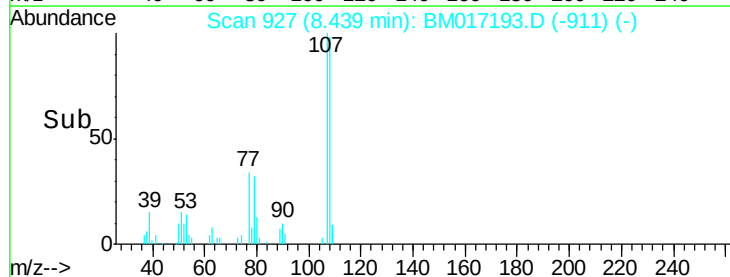
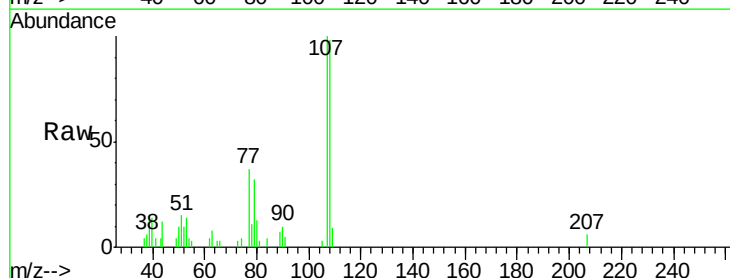
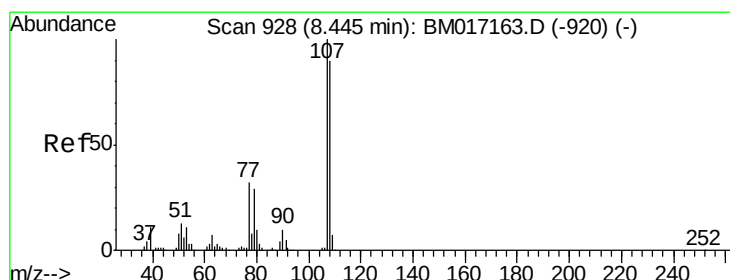
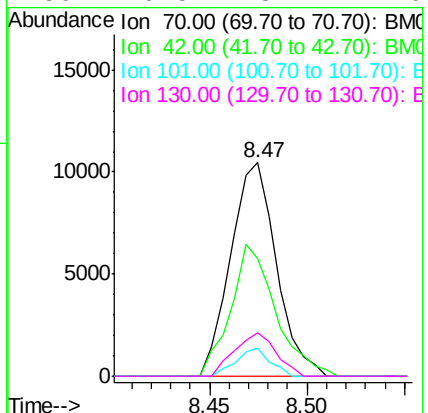
Ion Ratio Lower Upper

70 100

42 55.2 46.1 69.1

101 13.1 8.2 12.4#

130 20.5 18.4 27.6



#20

3+4-Methylphenols

Concen: 1.382 ng

RT: 8.44 min Scan# 927

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

Tgt Ion: 107 Resp: 21880

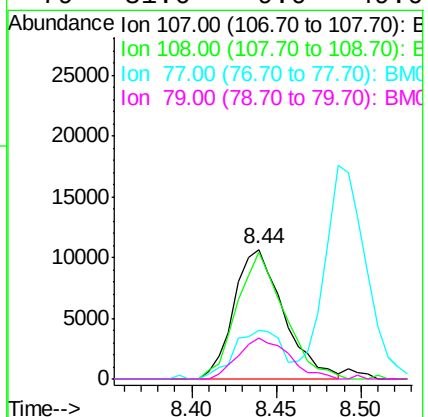
Ion Ratio Lower Upper

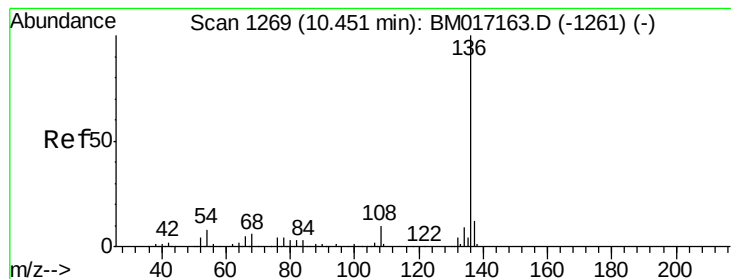
107 100

108 98.0 69.9 109.9

77 37.4 12.2 52.2

79 31.6 9.0 49.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.45 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:136 Resp: 856732

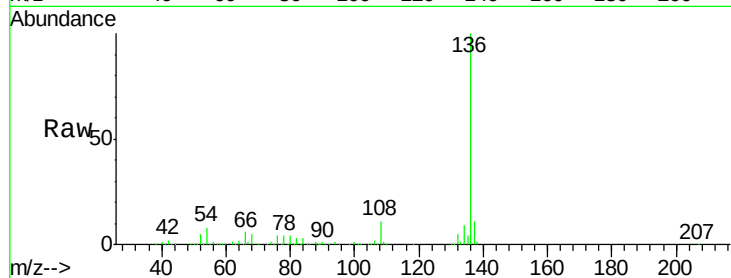
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 7.7 6.7 10.1

68 5.3 4.7 7.1

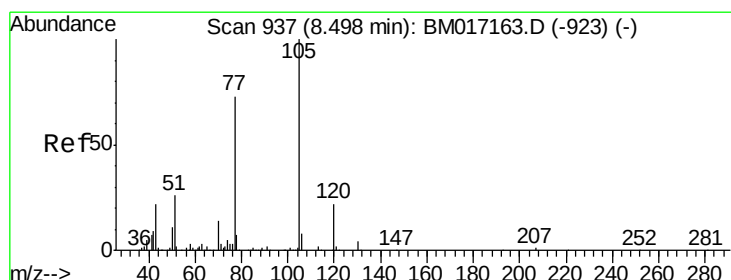
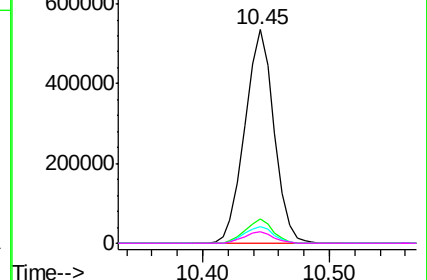
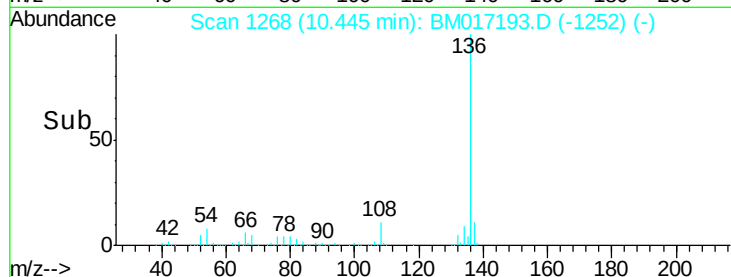


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.650 ng

RT: 8.49 min Scan# 936

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

Tgt Ion:105 Resp: 35825

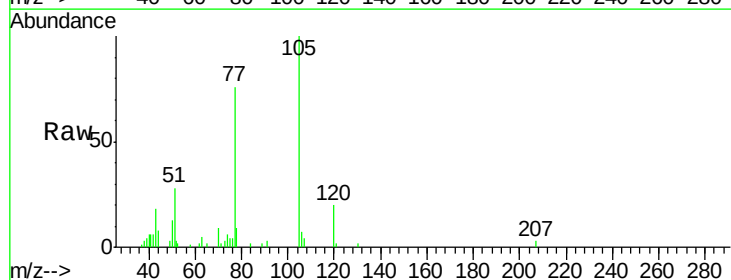
Ion Ratio Lower Upper

105 100

71 1.5 2.0 3.0#

51 28.1 20.6 31.0

120 20.4 17.5 26.3

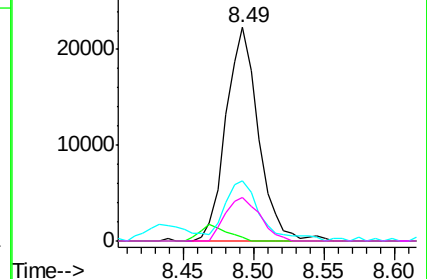
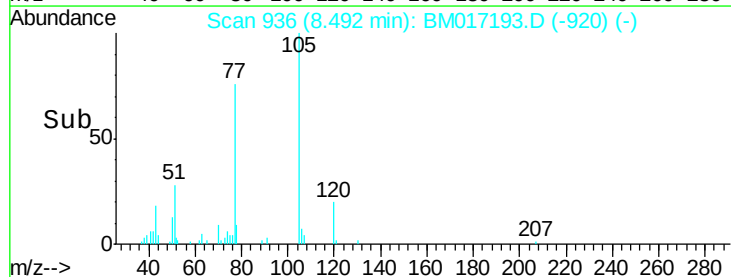


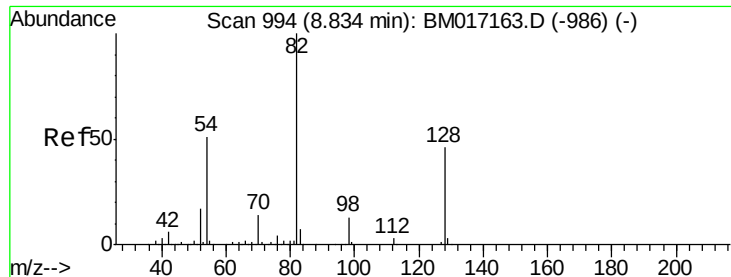
Abundance Ion 105.00 (104.70 to 105.70): E

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

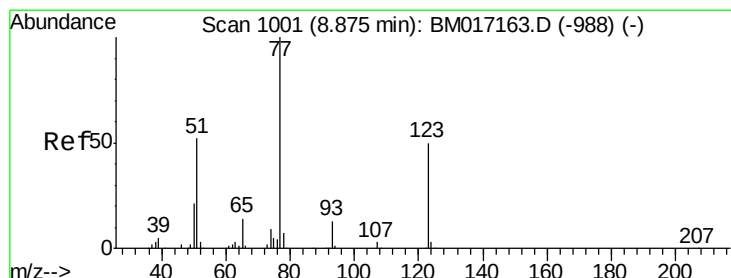
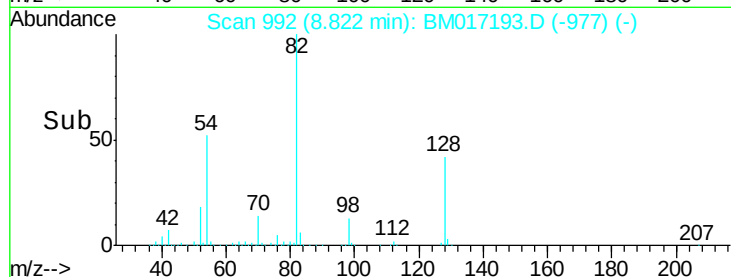
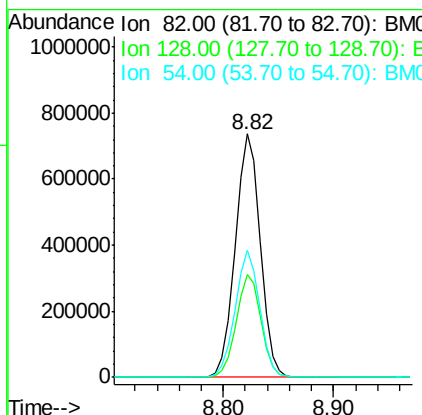
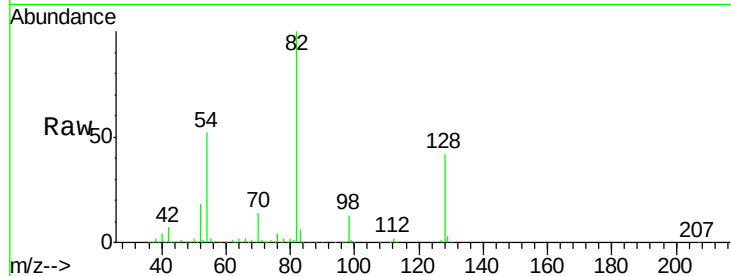




#23
 Nitrobenzene-d5
 Concen: 80.309 ng
 RT: 8.82 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: BM017193.D
 Acq: 18 Oct 2018 15:13

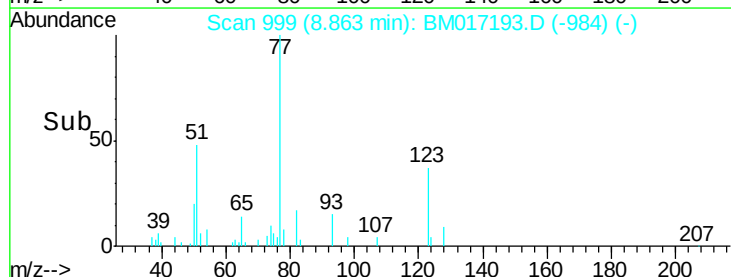
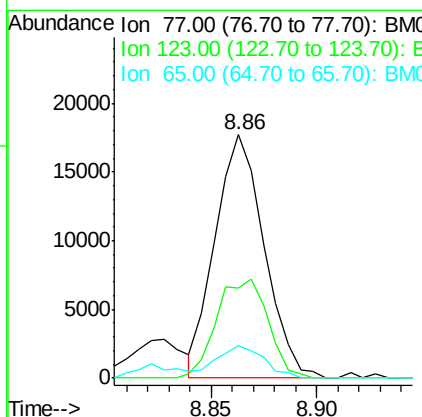
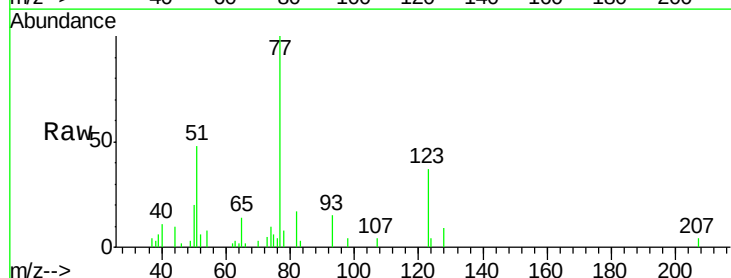
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

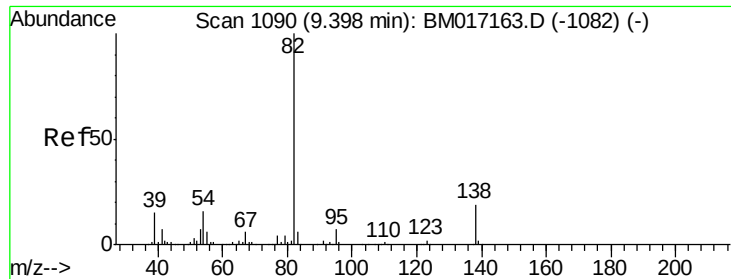
Tgt Ion: 82 Resp: 1176411
 Ion Ratio Lower Upper
 82 100
 128 42.1 37.0 55.6
 54 52.0 40.7 61.1



#24
 Nitrobenzene
 Concen: 1.839 ng
 RT: 8.86 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: BM017193.D
 Acq: 18 Oct 2018 15:13

Tgt Ion: 77 Resp: 28502
 Ion Ratio Lower Upper
 77 100
 123 37.1 40.2 60.4#
 65 13.5 11.4 17.0

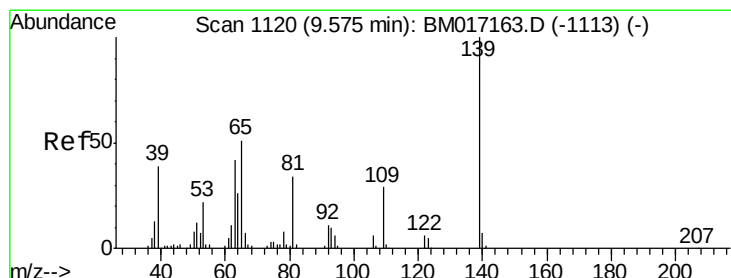
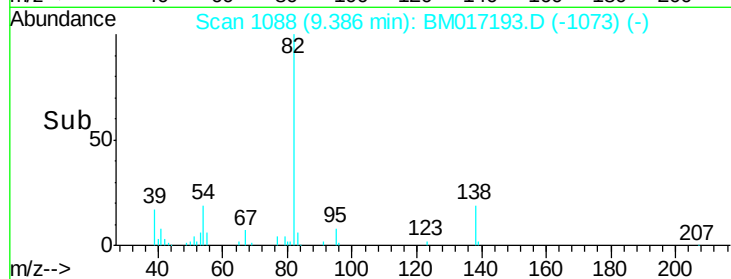
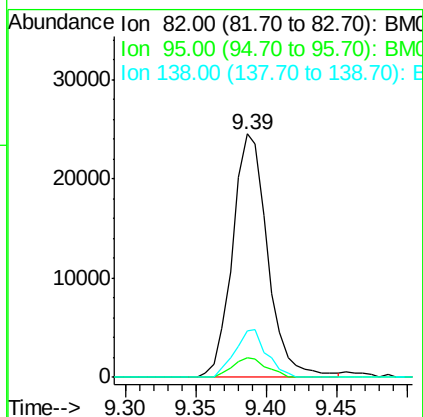
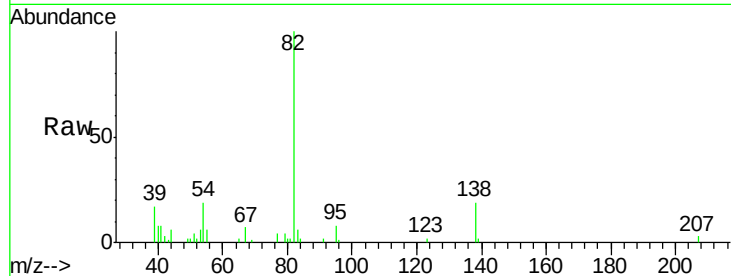




#25
Isophorone
Concen: 1.762 ng
RT: 9.39 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

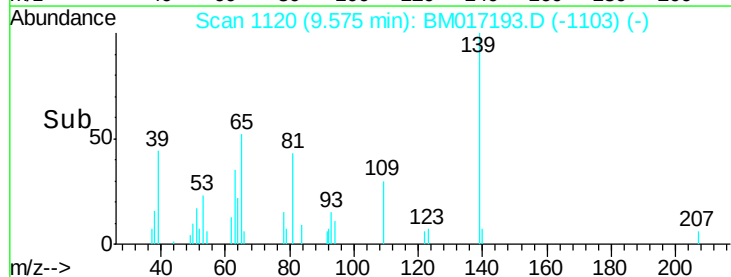
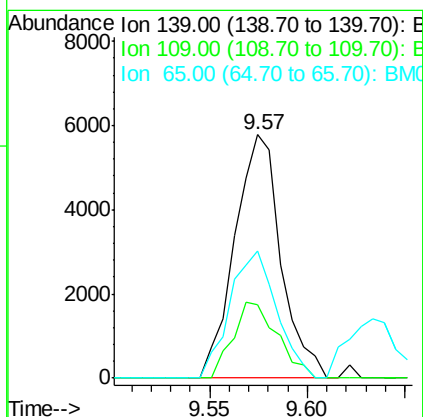
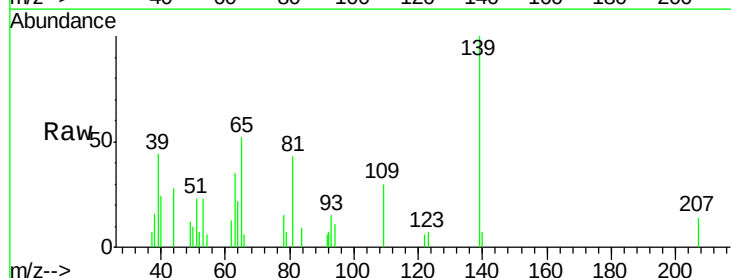
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

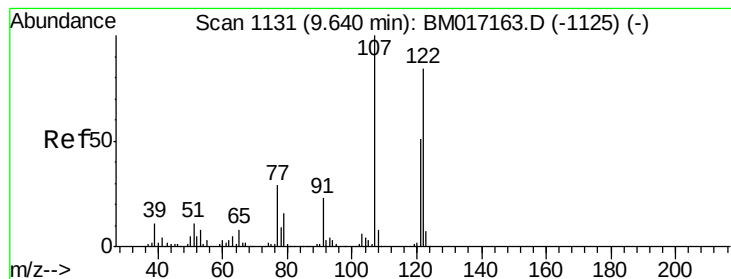
Tgt Ion: 82 Resp: 42632
Ion Ratio Lower Upper
82 100
95 8.3 6.0 9.0
138 18.9 15.4 23.2



#26
2-Nitrophenol
Concen: 6.855 ng
RT: 9.57 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

Tgt Ion: 139 Resp: 9474
Ion Ratio Lower Upper
139 100
109 30.3 23.2 34.8
65 52.2 40.6 61.0





#27

2,4-Dimethylphenol

Concen: 1.719 ng

RT: 9.63 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

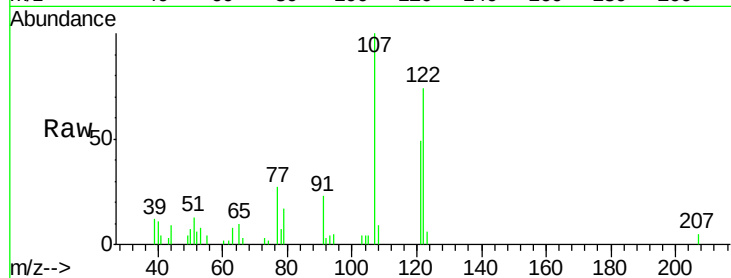
Tgt Ion: 122 Resp: 18381

Ion Ratio Lower Upper

122 100

107 134.7 95.0 142.6

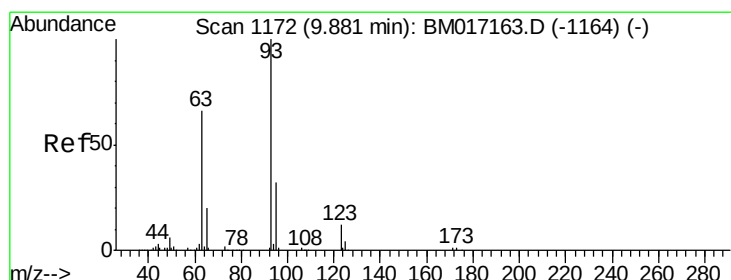
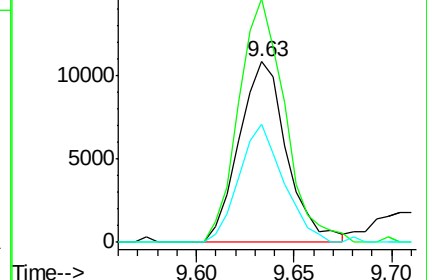
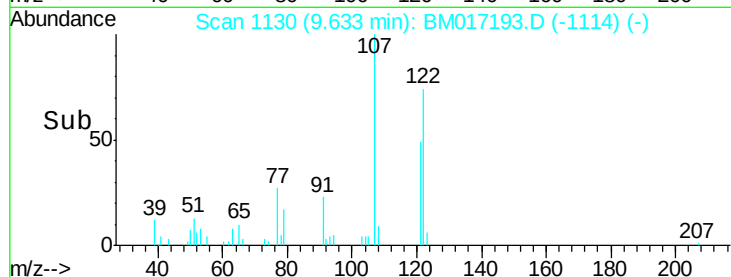
121 65.4 48.2 72.4



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 1.673 ng

RT: 9.87 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

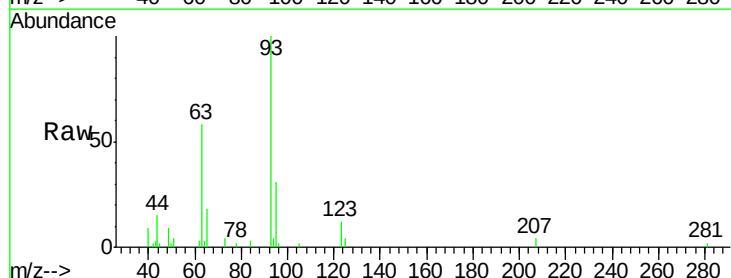
Tgt Ion: 93 Resp: 28480

Ion Ratio Lower Upper

93 100

95 30.9 25.7 38.5

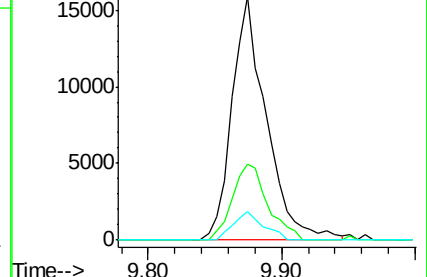
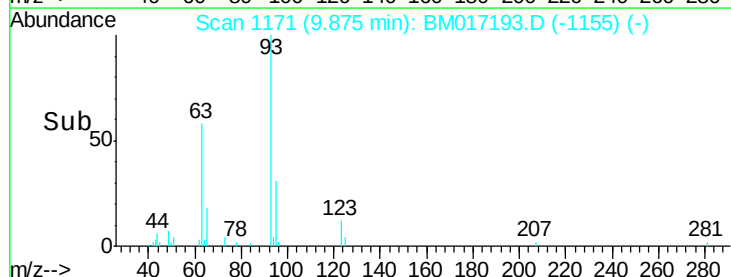
123 11.8 9.4 14.0

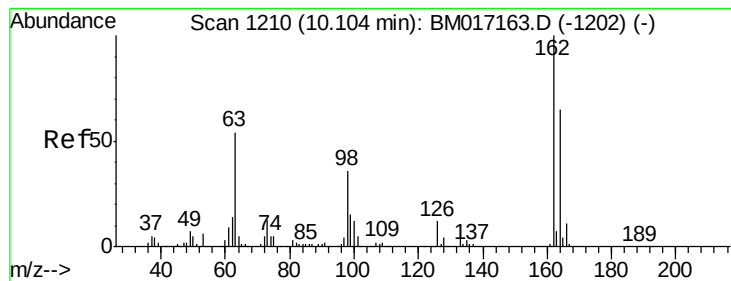


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 1.468 ng

RT: 10.10 min Scan# 1210

Delta R.T. -0.00 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

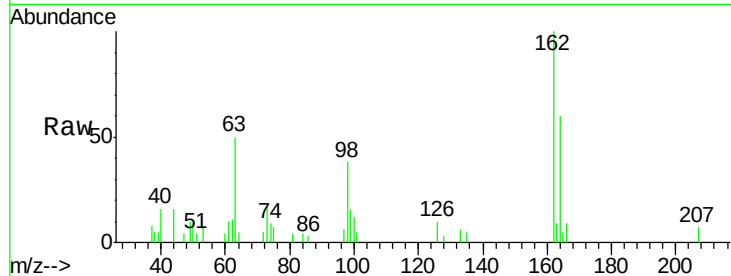
Tgt Ion:162 Resp: 18229

Ion Ratio Lower Upper

162 100

164 59.9 44.9 84.9

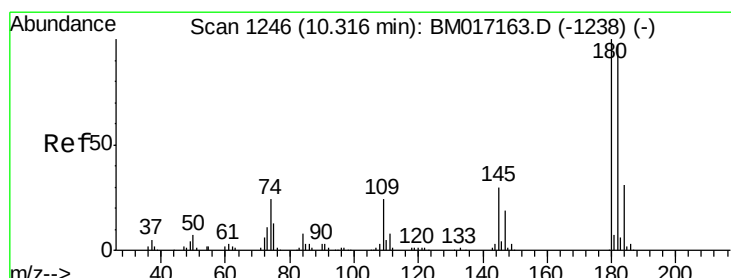
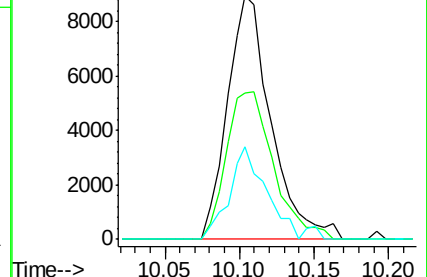
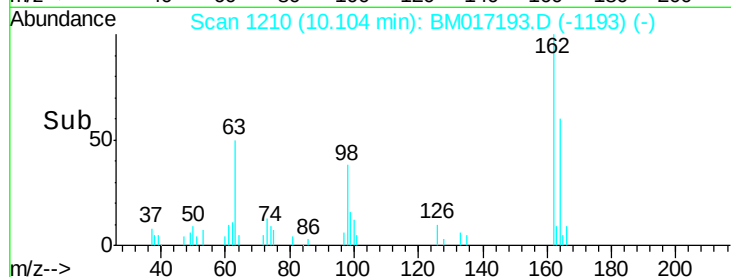
98 38.1 15.8 55.8



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM



#30

1,2,4-Trichlorobenzene

Concen: 1.805 ng

RT: 10.31 min Scan# 1245

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

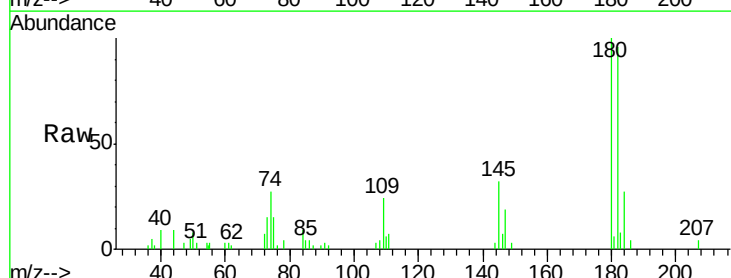
Tgt Ion:180 Resp: 26889

Ion Ratio Lower Upper

180 100

182 95.9 77.5 116.3

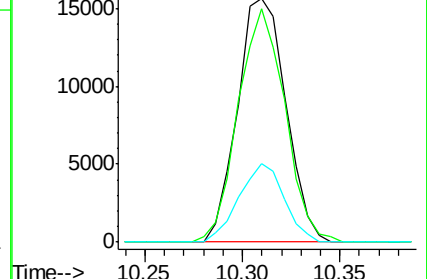
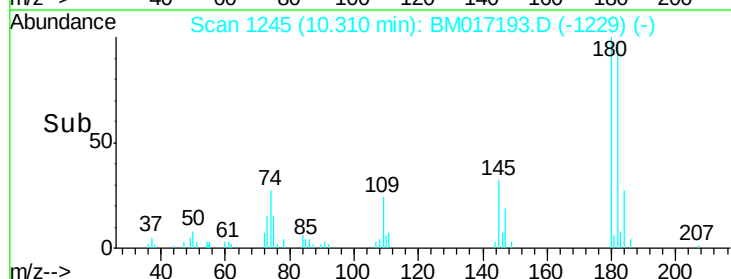
145 32.3 24.0 36.0

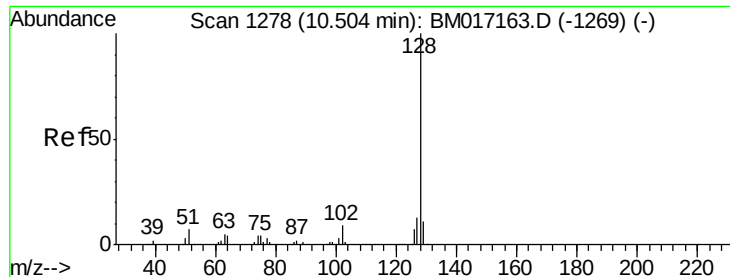


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

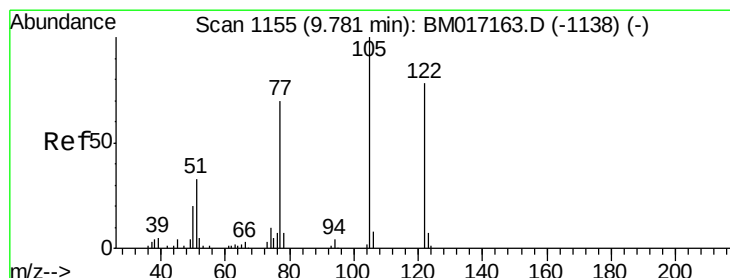
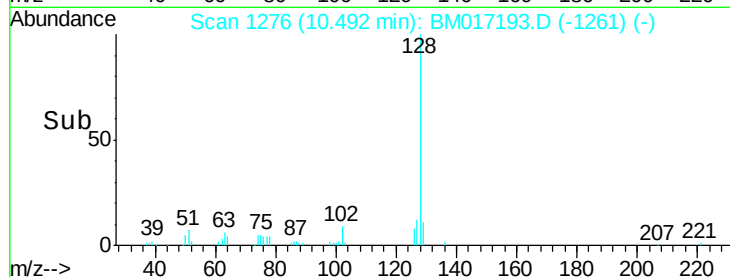
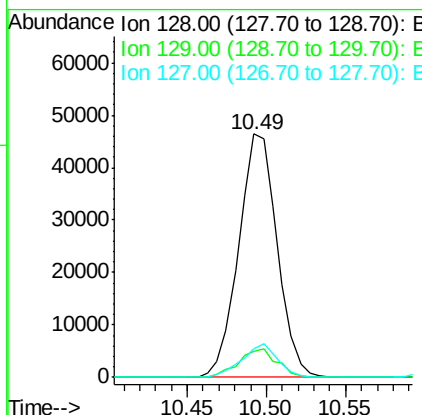
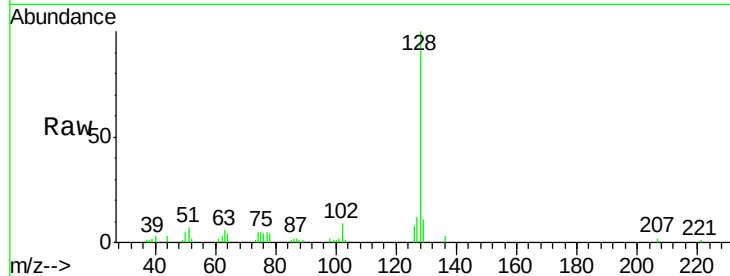




#31
Naphthalene
Concen: 1.861 ng
RT: 10.49 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

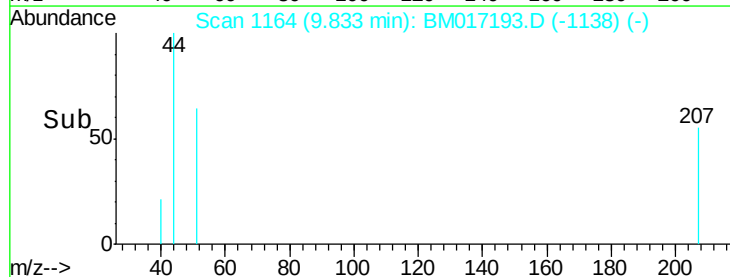
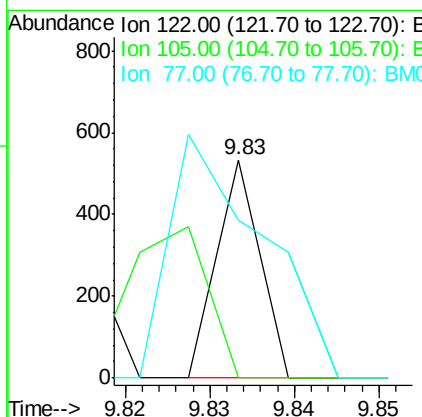
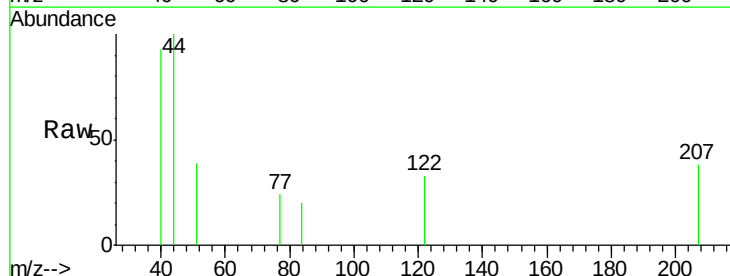
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

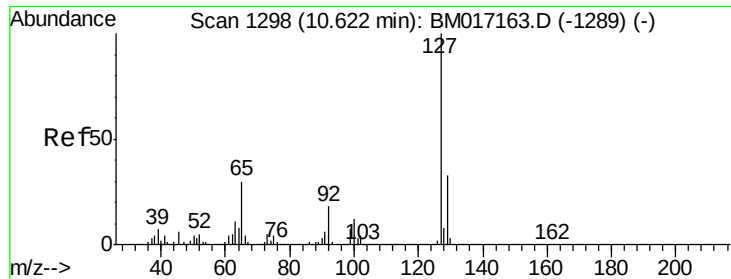
Tgt Ion:128 Resp: 78146
Ion Ratio Lower Upper
128 100
129 10.6 8.5 12.7
127 11.6 10.3 15.5



#32
Benzoic acid
Concen: 0.024 ng
RT: 9.83 min Scan# 1164
Delta R.T. 0.05 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

Tgt Ion:122 Resp: 189
Ion Ratio Lower Upper
122 100
105 0.0 102.0 142.0#
77 72.5 67.7 107.7

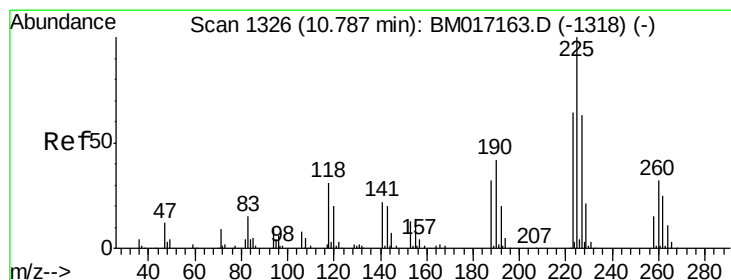
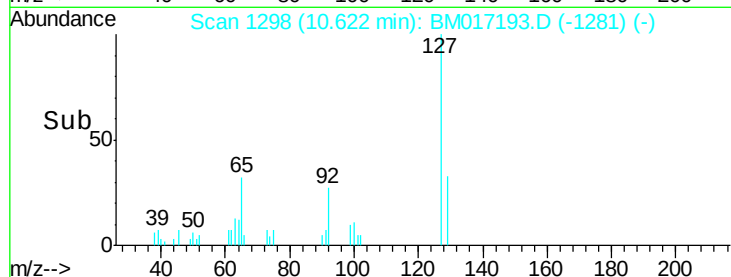
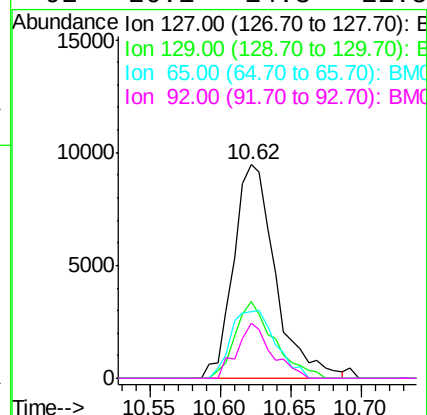
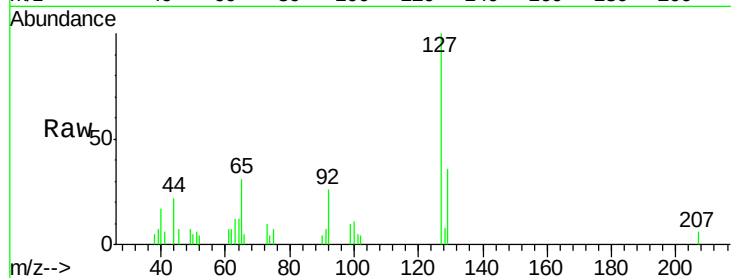




#33
4-Chloroaniline
Concen: 1.084 ng
RT: 10.62 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

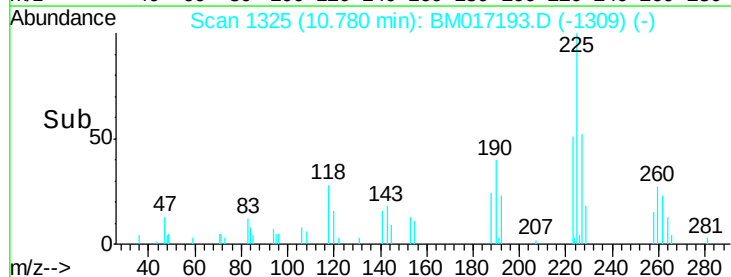
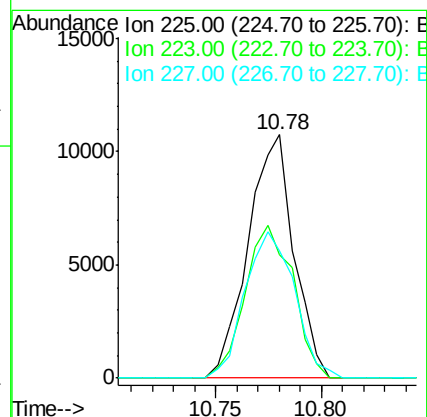
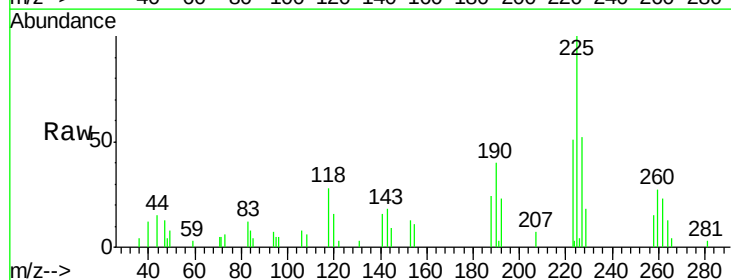
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

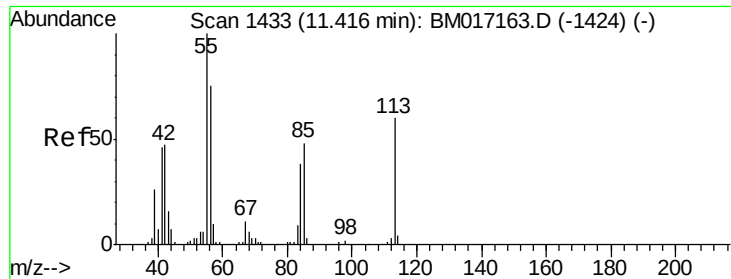
Tgt Ion:	127	Resp:	19653
Ion	Ratio	Lower	Upper
127	100		
129	35.9	26.2	39.4
65	31.0	23.7	35.5
92	26.1	14.3	21.5#



#34
Hexachlorobutadiene
Concen: 1.713 ng
RT: 10.78 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

Tgt Ion:	225	Resp:	16171
Ion	Ratio	Lower	Upper
225	100		
223	51.5	51.0	76.6
227	50.1	50.8	76.2#

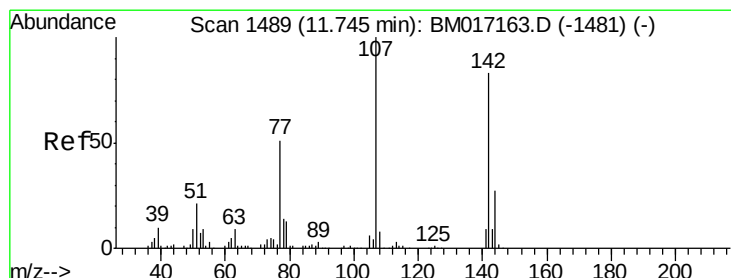
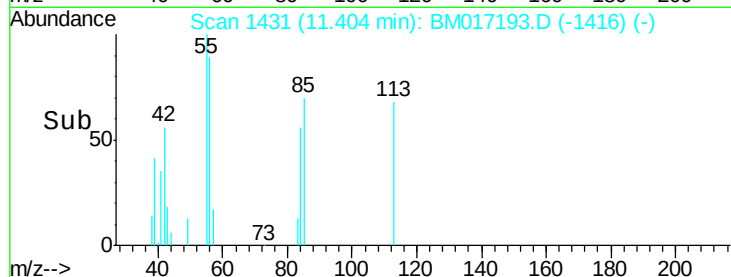
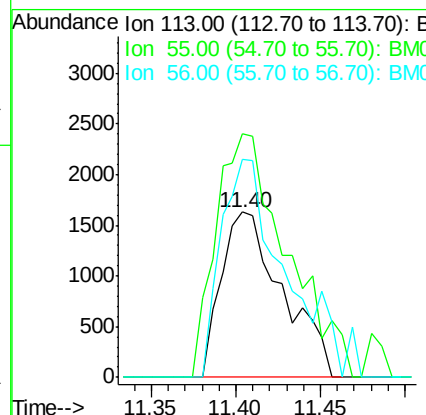
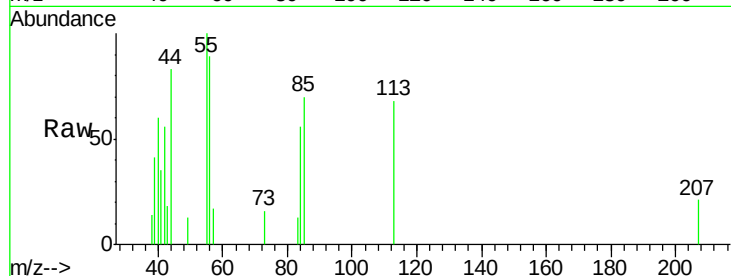




#35
 Caprolactam
 Concen: 0.909 ng
 RT: 11.40 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BM017193.D
 Acq: 18 Oct 2018 15:13

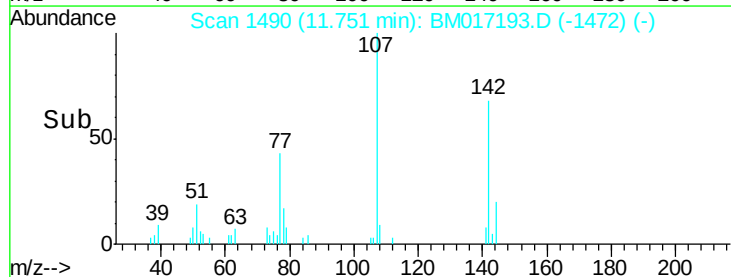
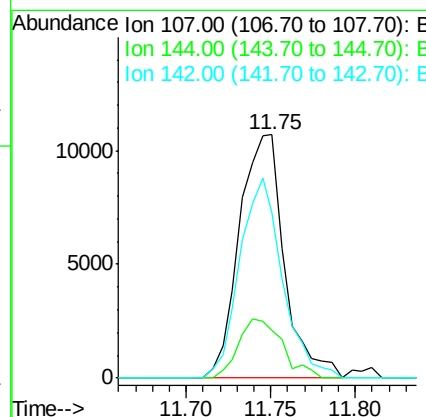
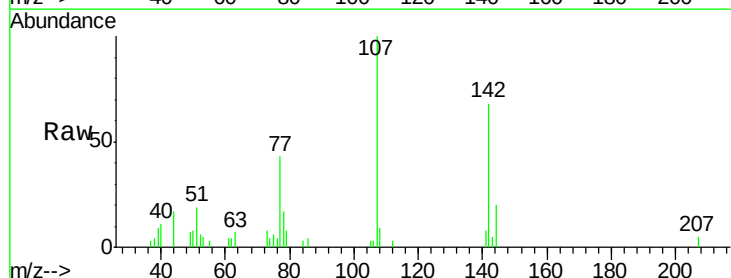
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

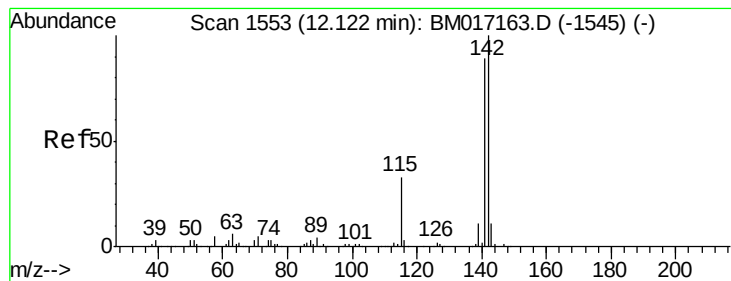
Tgt Ion:113 Resp: 4112
 Ion Ratio Lower Upper
 113 100
 55 147.5 147.0 187.0
 56 131.9 104.5 144.5



#36
 4-Chloro-3-methylphenol
 Concen: 1.419 ng
 RT: 11.75 min Scan# 1490
 Delta R.T. 0.01 min
 Lab File: BM017193.D
 Acq: 18 Oct 2018 15:13

Tgt Ion:107 Resp: 19861
 Ion Ratio Lower Upper
 107 100
 144 19.5 21.6 32.4#
 142 68.0 66.0 99.0





#37

2-Methylnaphthalene

Concen: 1.924 ng

RT: 12.12 min Scan# 1552

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

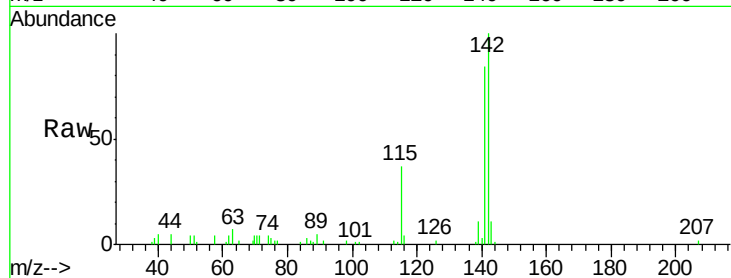
Tgt Ion:142 Resp: 55282

Ion Ratio Lower Upper

142 100

141 84.1 70.9 106.3

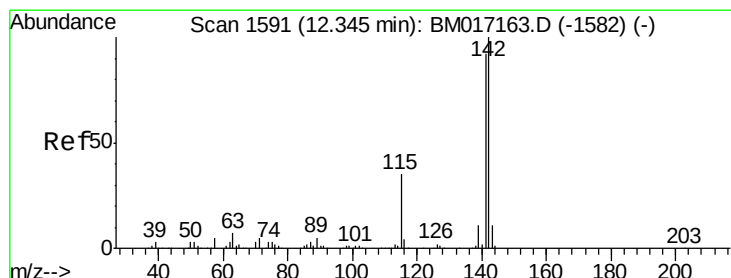
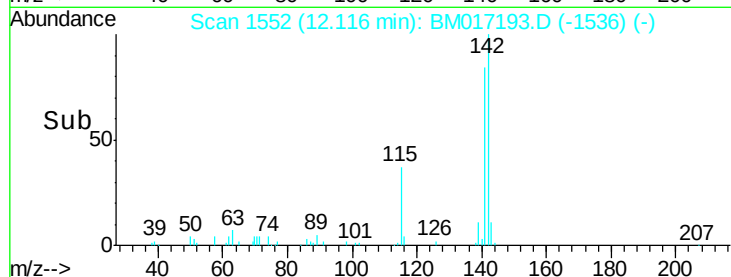
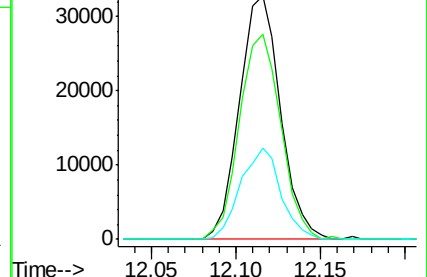
115 37.5 26.4 39.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 1.900 ng

RT: 12.33 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

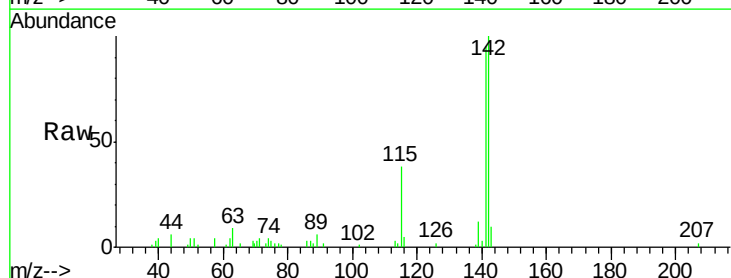
Tgt Ion:142 Resp: 53131

Ion Ratio Lower Upper

142 100

141 94.7 73.8 110.6

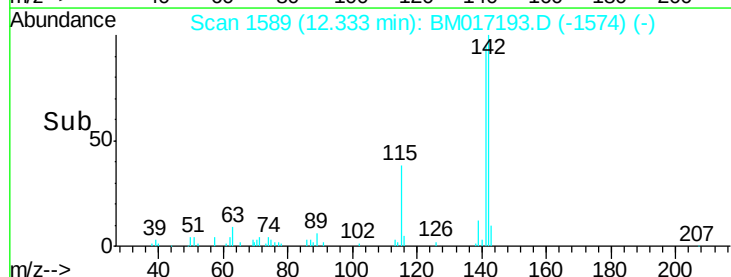
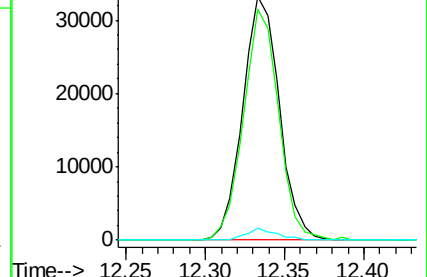
116 4.9 2.9 4.3#

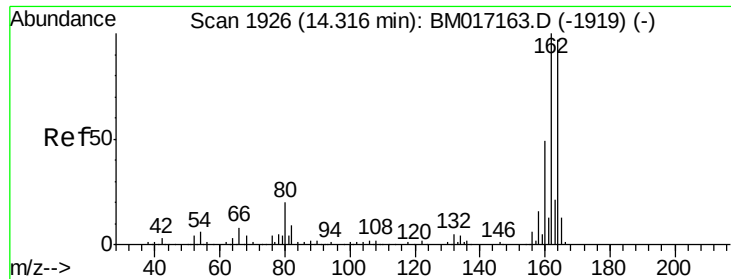


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.31 min Scan# 1925

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

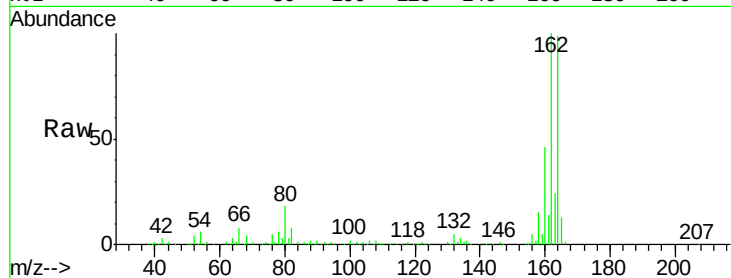
Tgt Ion:164 Resp: 488277

Ion Ratio Lower Upper

164 100

162 101.2 82.1 123.1

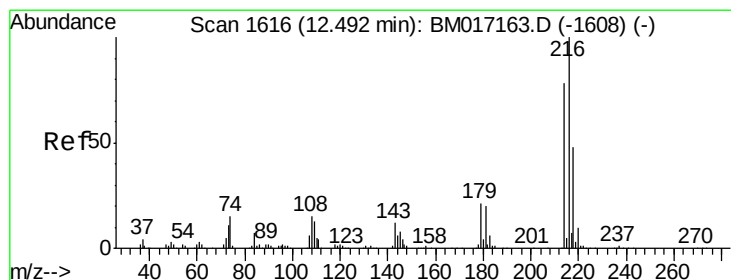
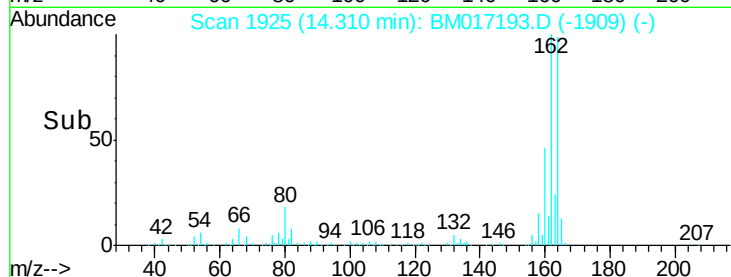
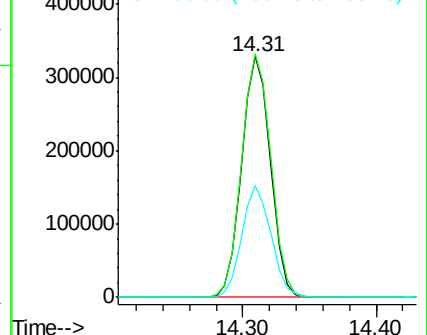
160 46.7 40.2 60.2



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: 1.687 ng

RT: 12.49 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

Tgt Ion:216 Resp: 29009

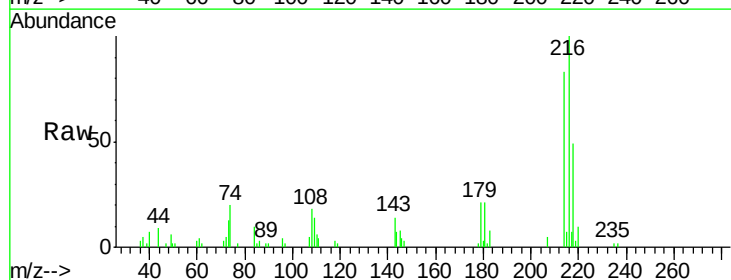
Ion Ratio Lower Upper

216 100

214 78.0 62.6 93.8

179 21.8 16.6 24.8

108 19.5 13.5 20.3

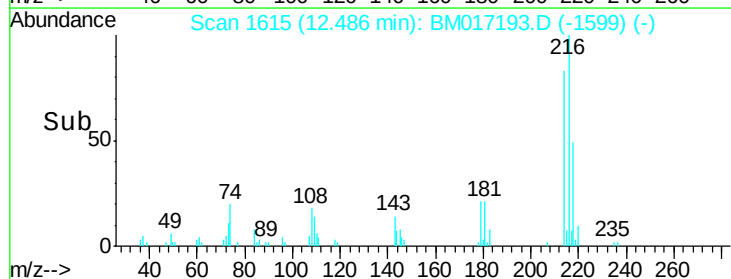
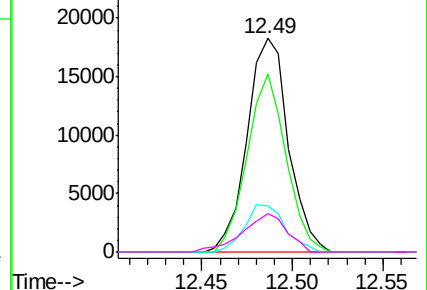


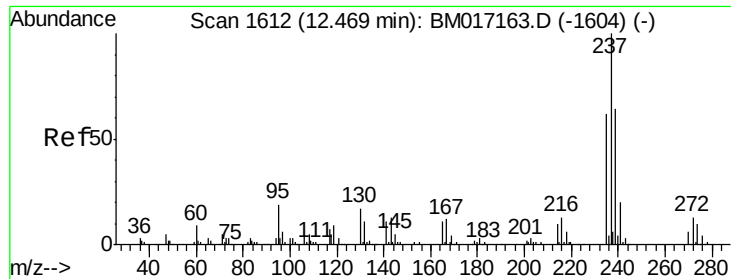
Abundance Ion 216.00 (215.70 to 216.70): E

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

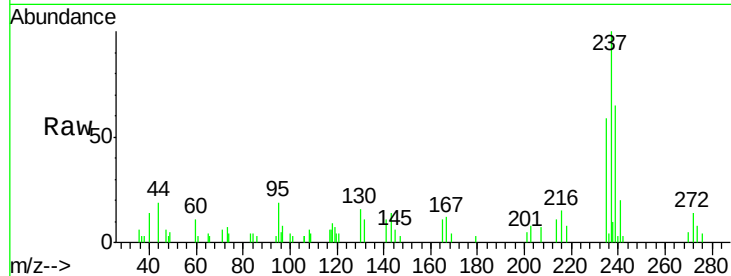




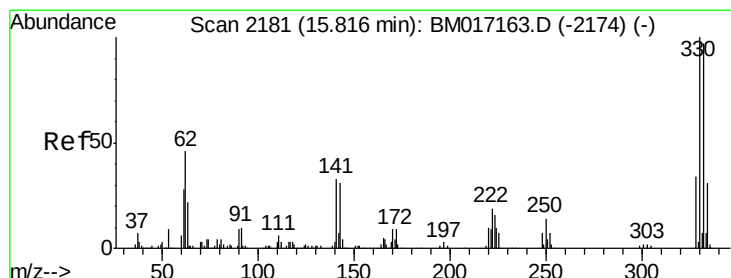
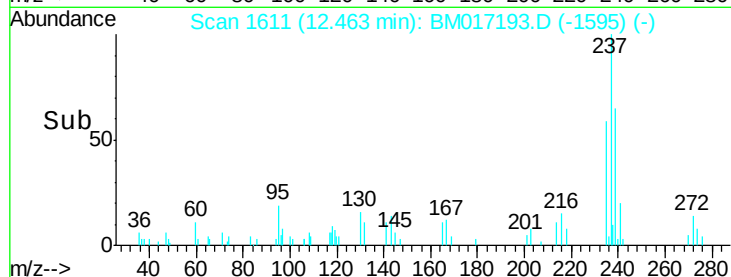
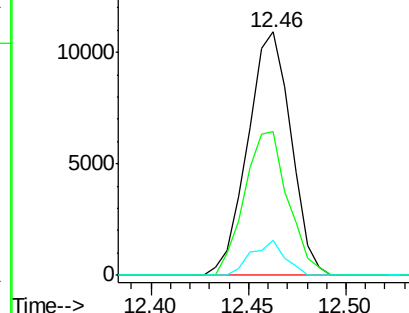
#41
Hexachlorocyclopentadiene
Concen: 2.019 ng
RT: 12.46 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 237 Resp: 16786
Ion Ratio Lower Upper
237 100
235 59.3 42.4 82.4
272 14.3 0.0 33.0

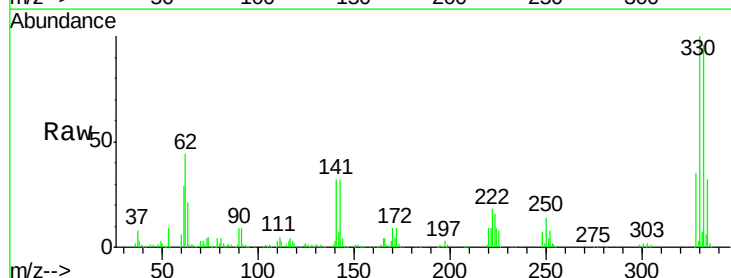


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

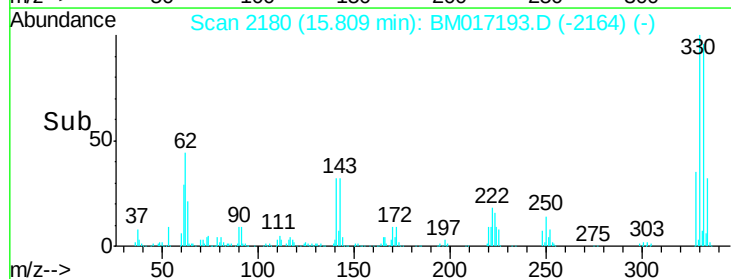
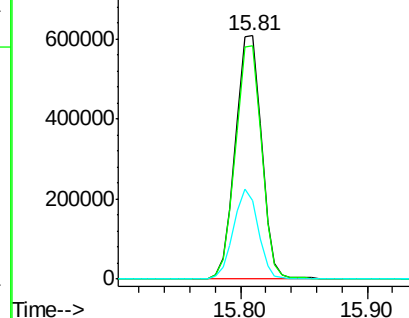


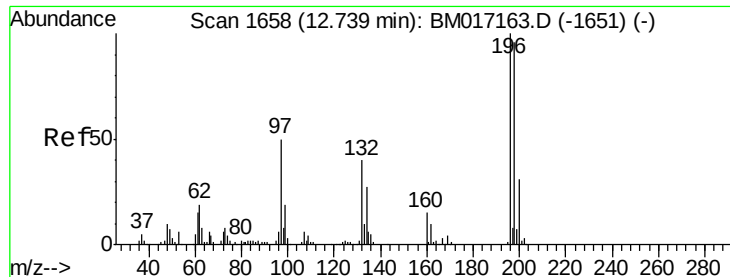
#42
2,4,6-Tribromophenol
Concen: 130.701 ng
RT: 15.81 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

Tgt Ion: 330 Resp: 863047
Ion Ratio Lower Upper
330 100
332 95.8 77.3 115.9
141 35.5 27.4 41.0



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

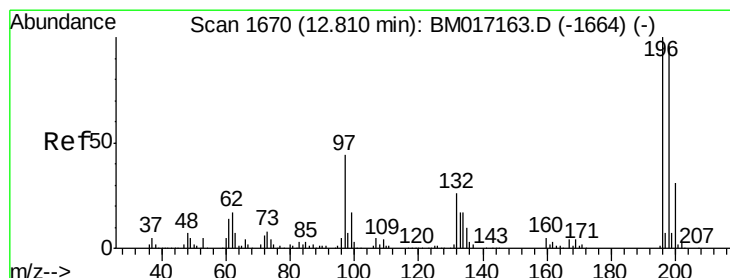
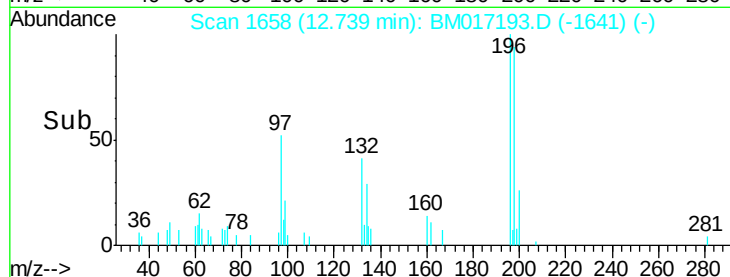
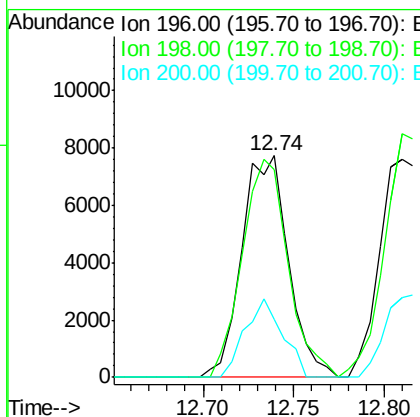
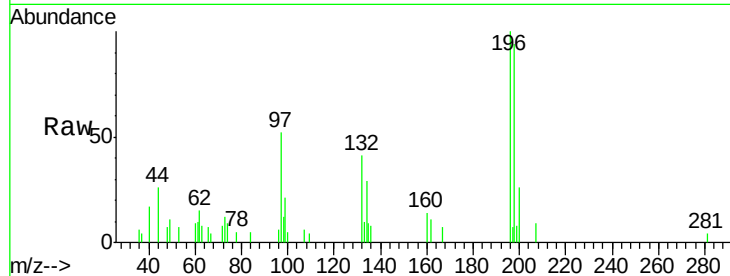




#43
2,4,6-Trichlorophenol
Concen: 1.383 ng
RT: 12.74 min Scan# 1658
Delta R.T. -0.00 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

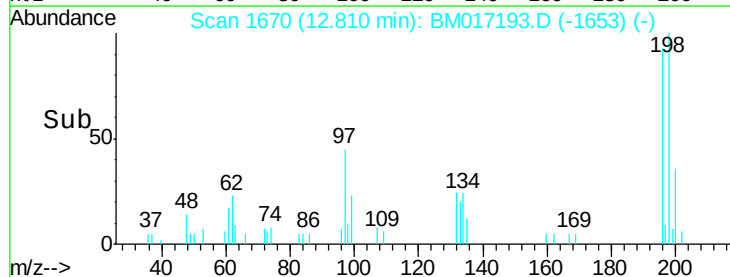
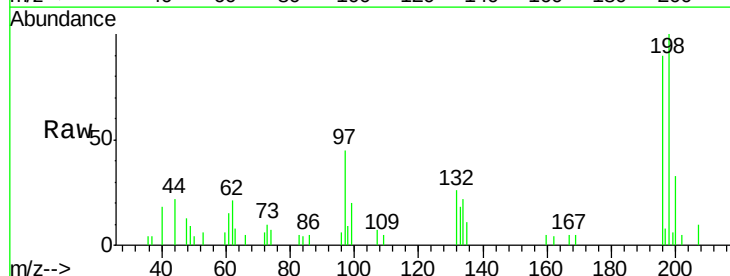
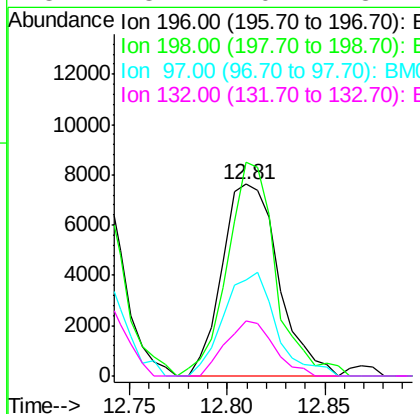
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

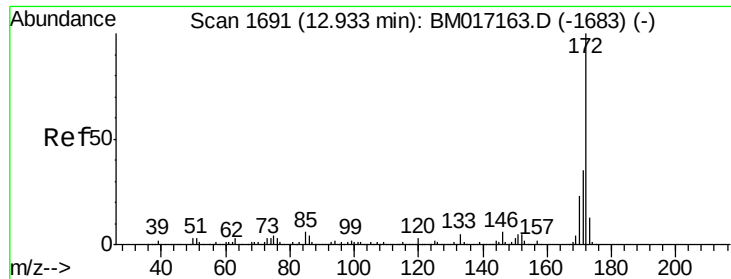
Tgt Ion:196 Resp: 13806
Ion Ratio Lower Upper
196 100
198 93.8 77.1 115.7
200 26.3 25.0 37.4



#44
2,4,5-Trichlorophenol
Concen: 1.428 ng
RT: 12.81 min Scan# 1670
Delta R.T. -0.00 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

Tgt Ion:196 Resp: 15284
Ion Ratio Lower Upper
196 100
198 111.5 76.6 115.0
97 50.4 35.5 53.3
132 28.7 20.7 31.1

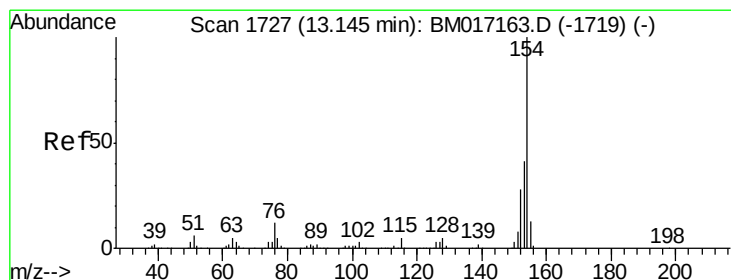
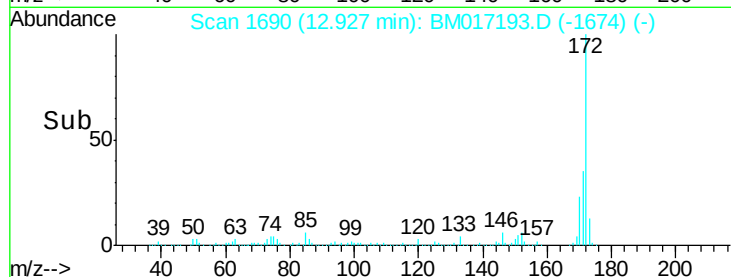
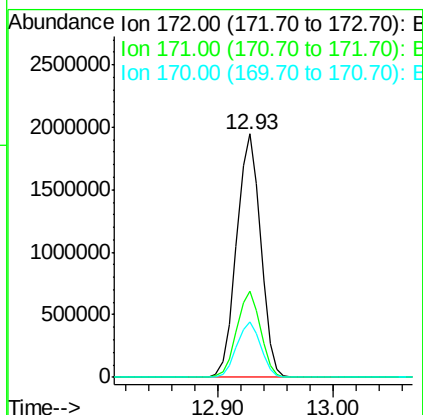
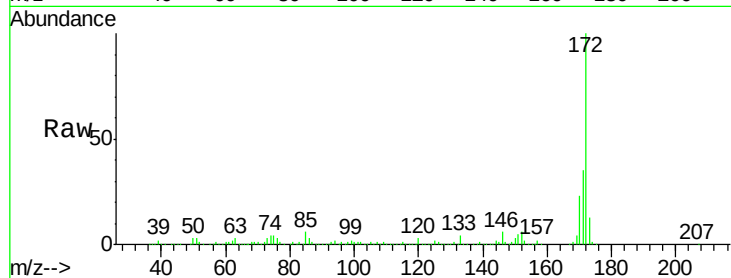




#45
2-Fluorobiphenyl
Concen: 76.528 ng
RT: 12.93 min Scan# 1690
Delta R.T. -0.01 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

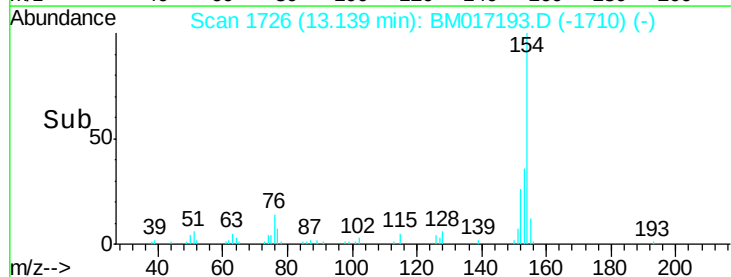
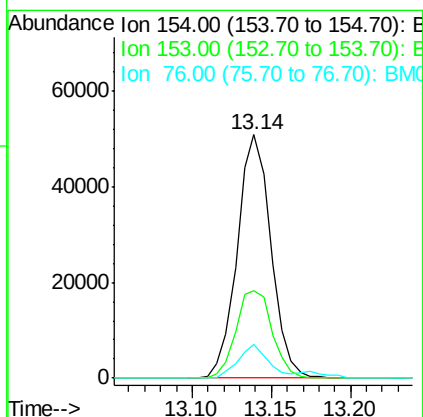
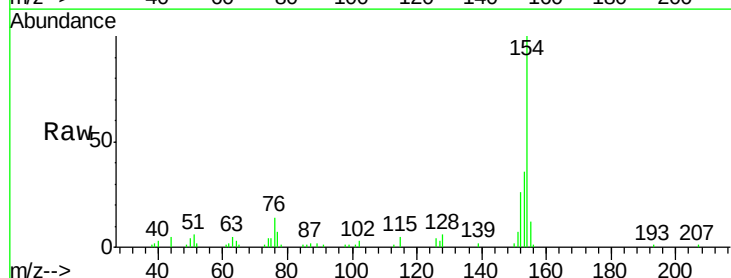
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

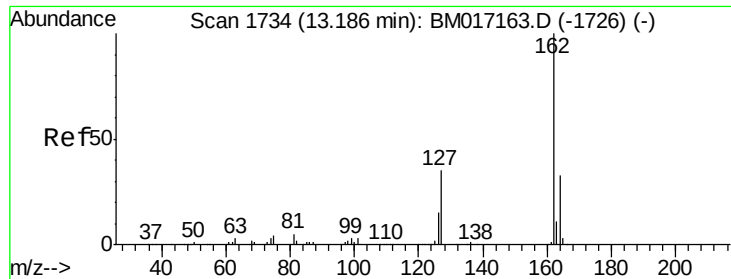
Tgt Ion:172 Resp: 2808398
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 22.8 18.3 27.5



#46
1,1'-Biphenyl
Concen: 1.704 ng
RT: 13.14 min Scan# 1726
Delta R.T. -0.01 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

Tgt Ion:154 Resp: 74868
Ion Ratio Lower Upper
154 100
153 36.1 20.5 60.5
76 14.0 0.0 31.8

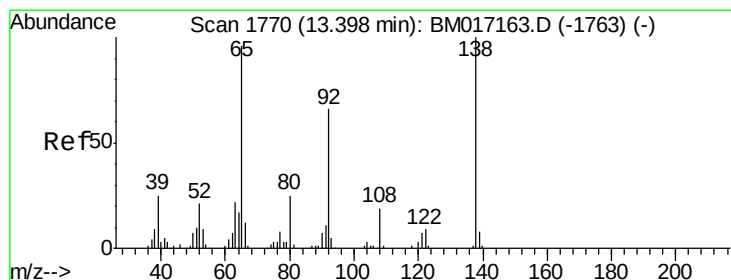
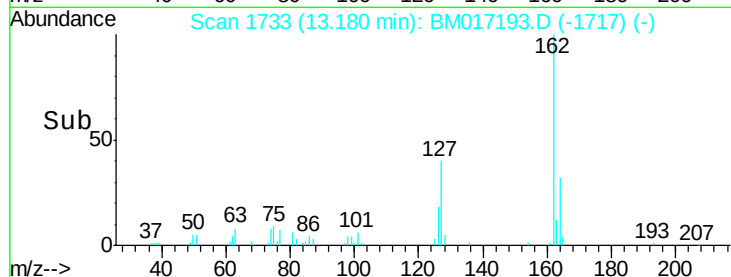
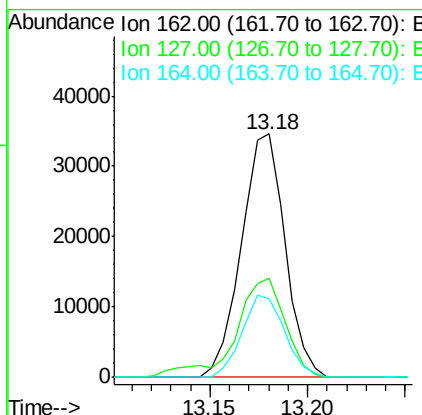
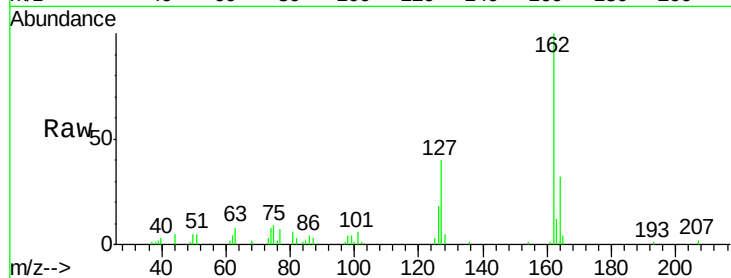




#47
2-Chloronaphthalene
Concen: 1.655 ng
RT: 13.18 min Scan# 1733
Delta R.T. -0.01 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

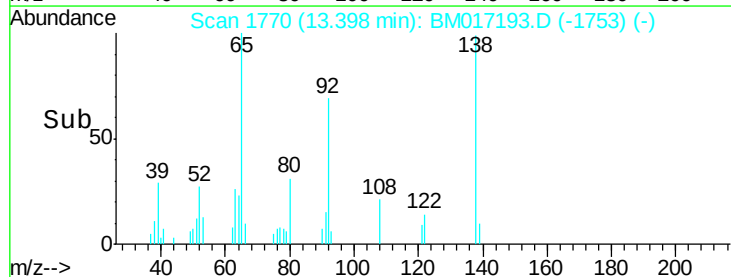
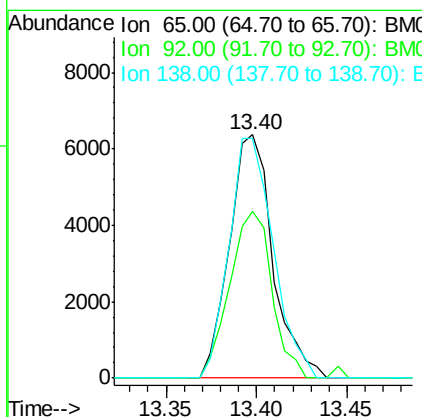
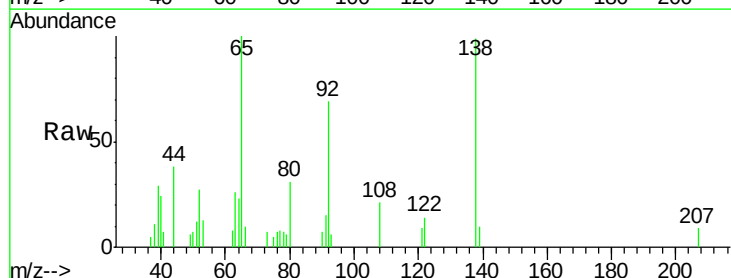
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

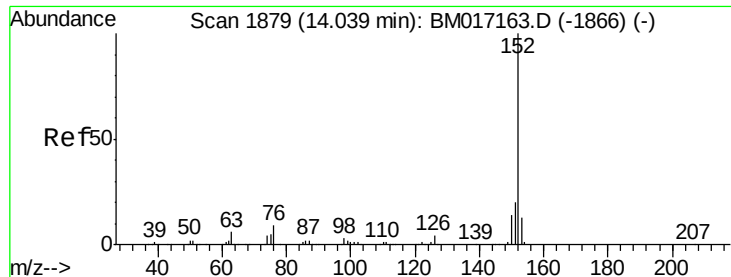
Tgt Ion: 162 Resp: 53497
Ion Ratio Lower Upper
162 100
127 40.4 31.0 46.4
164 32.3 26.6 39.8



#48
2-Nitroaniline
Concen: 6.714 ng
RT: 13.40 min Scan# 1770
Delta R.T. -0.00 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

Tgt Ion: 65 Resp: 10641
Ion Ratio Lower Upper
65 100
92 68.6 54.9 82.3
138 98.6 83.7 125.5





#49

Acenaphthylene

Concen: 1.676 ng

RT: 14.03 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

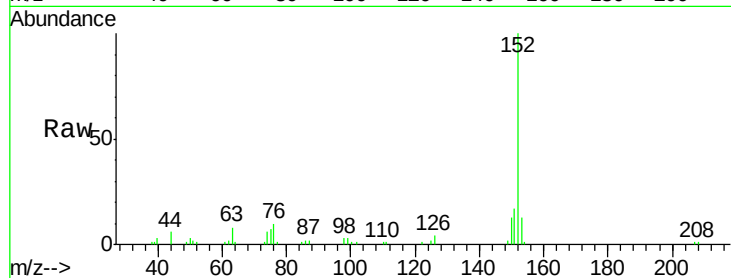
Tgt Ion:152 Resp: 78511

Ion Ratio Lower Upper

152 100

151 17.3 16.0 24.0

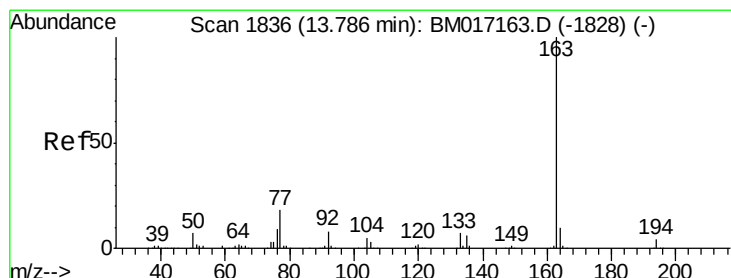
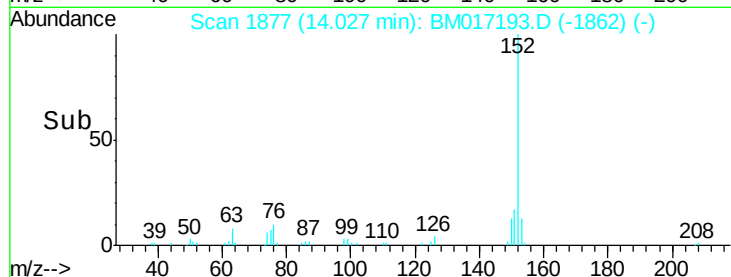
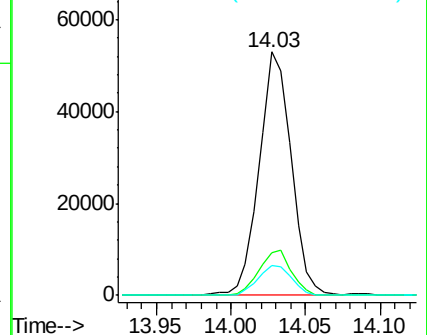
153 12.5 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 1.773 ng

RT: 13.77 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

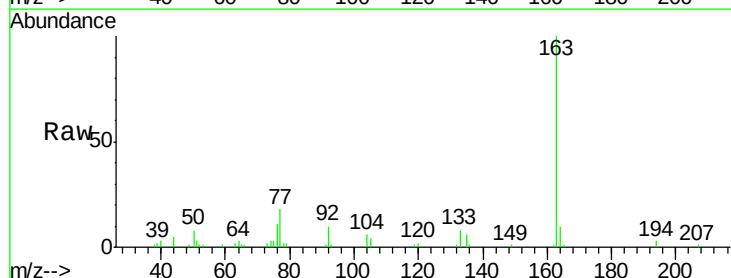
Tgt Ion:163 Resp: 66781

Ion Ratio Lower Upper

163 100

194 3.3 3.3 4.9

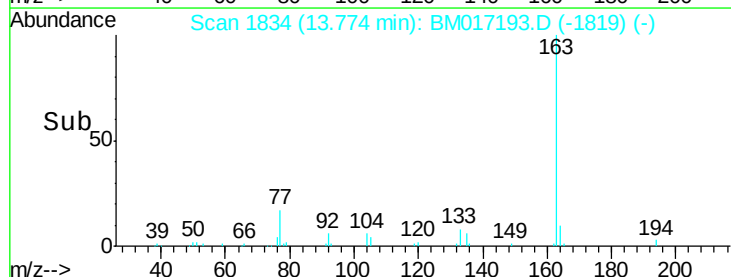
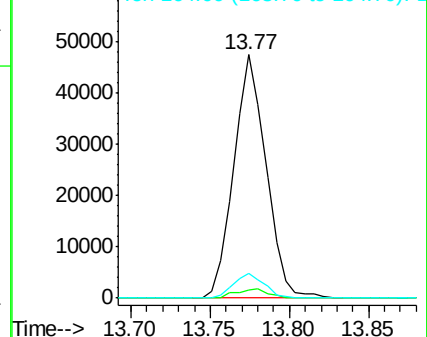
164 10.1 7.8 11.8

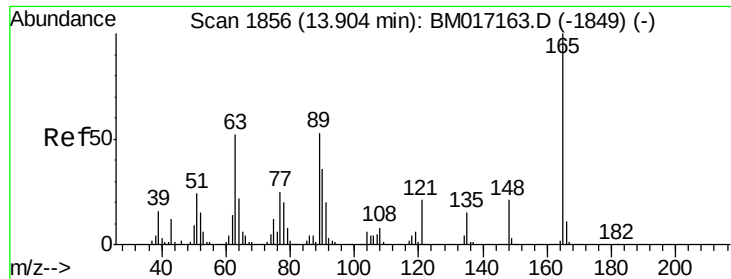


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 1.237 ng

RT: 13.89 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

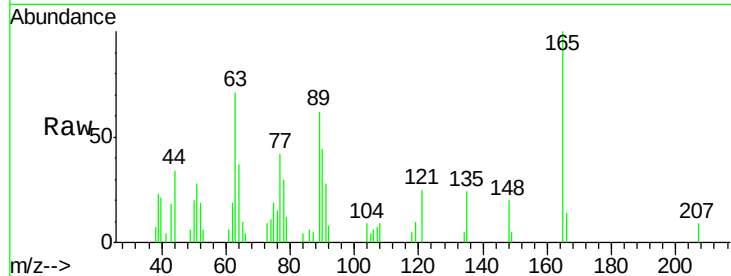
Tgt Ion:165 Resp: 10254

Ion Ratio Lower Upper

165 100

63 71.1 42.7 64.1#

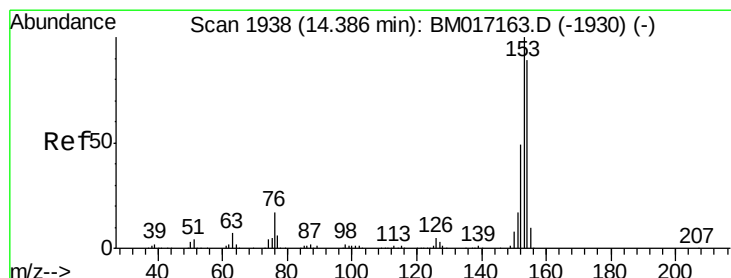
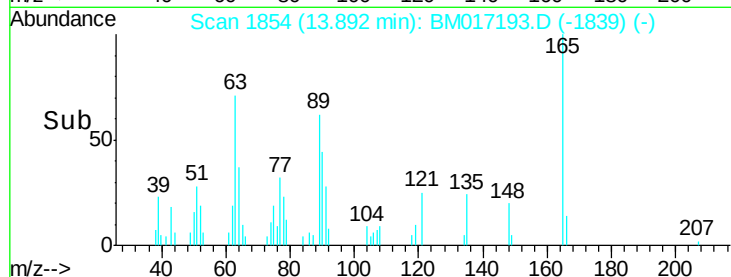
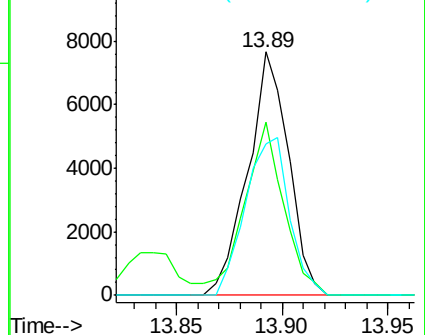
89 62.1 42.1 63.1



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



#52

Acenaphthene

Concen: 1.725 ng

RT: 14.37 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

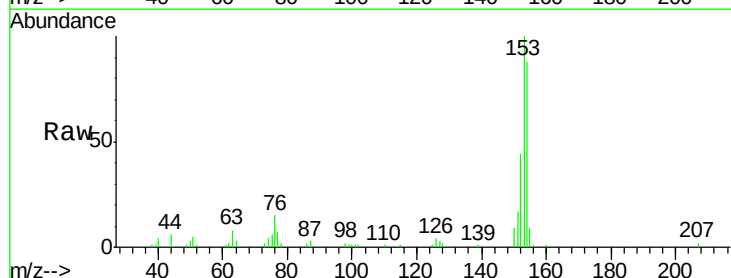
Tgt Ion:154 Resp: 50755

Ion Ratio Lower Upper

154 100

153 113.4 90.2 135.2

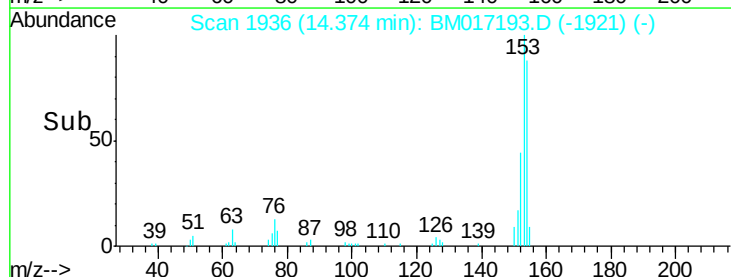
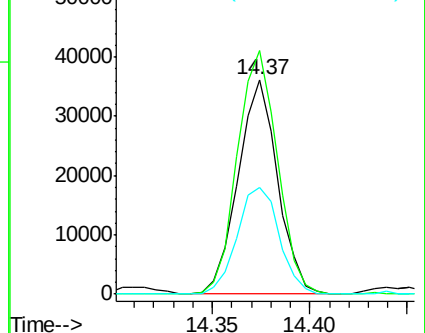
152 49.9 44.2 66.4

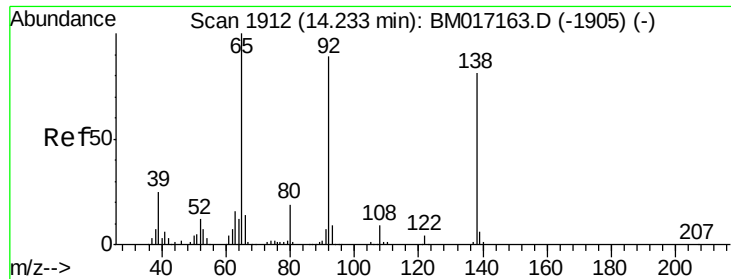


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

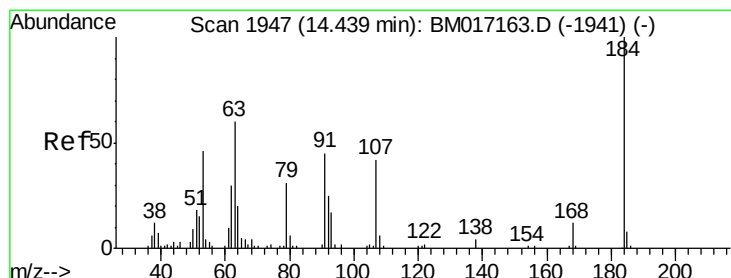
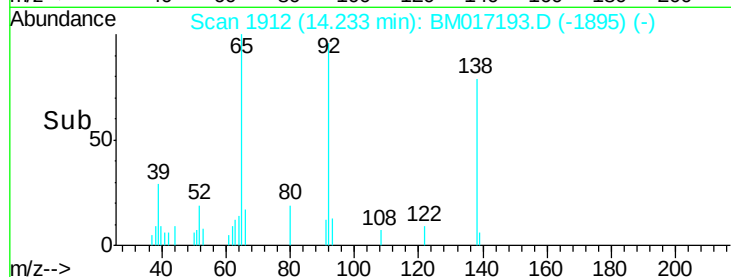
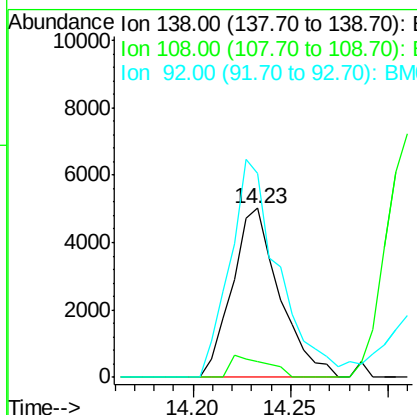
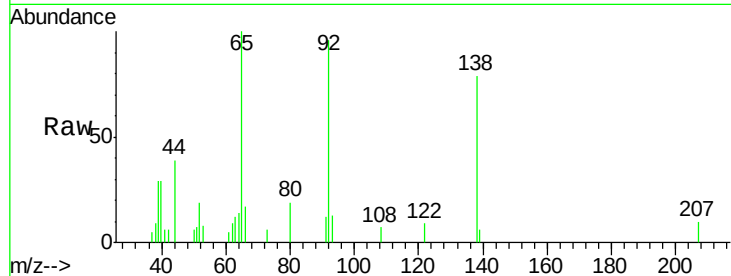




#53
3-Nitroaniline
Concen: 0.941 ng
RT: 14.23 min Scan# 1912
Delta R.T. 0.00 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

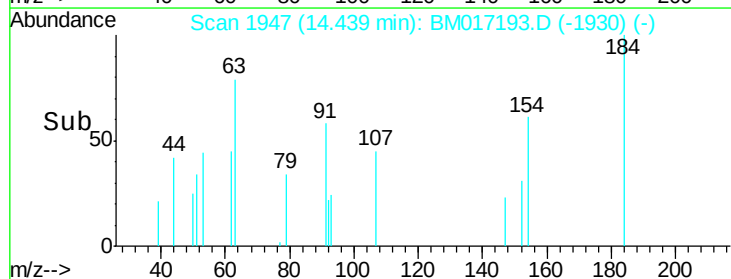
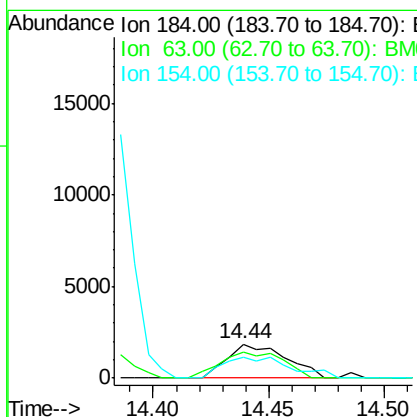
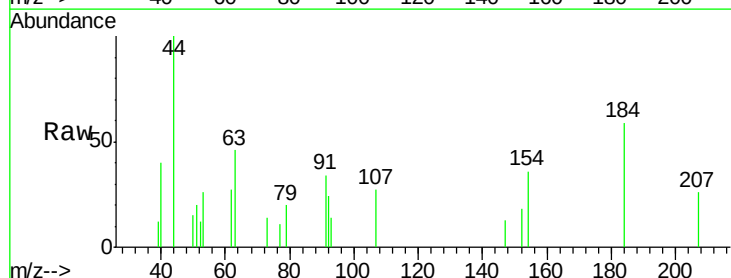
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

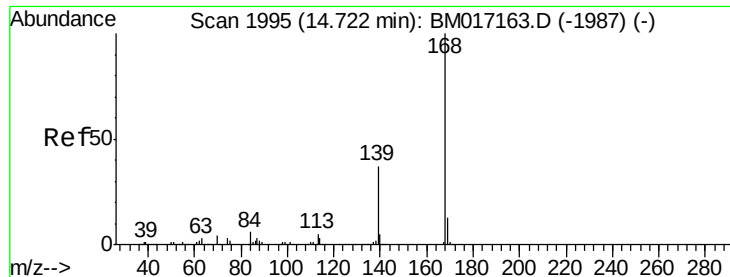
Tgt Ion:138 Resp: 8450
Ion Ratio Lower Upper
138 100
108 8.9 8.7 13.1
92 120.8 87.9 131.9



#54
2,4-Dinitrophenol
Concen: 8.827 ng
RT: 14.44 min Scan# 1947
Delta R.T. -0.00 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

Tgt Ion:184 Resp: 3256
Ion Ratio Lower Upper
184 100
63 78.9 51.2 76.8#
154 61.4 47.8 71.8





#55

Dibenzenofuran

Concen: 1.780 ng

RT: 14.71 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

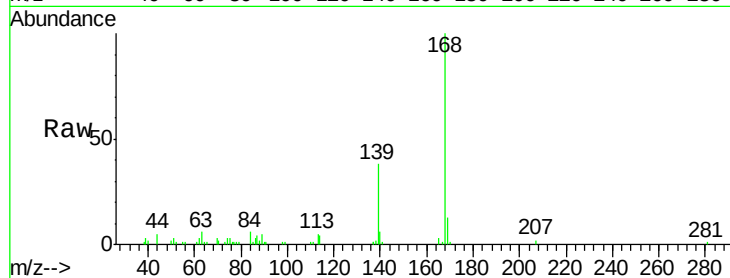
Tgt Ion:168 Resp: 87097

Ion Ratio Lower Upper

168 100

139 37.7 29.3 43.9

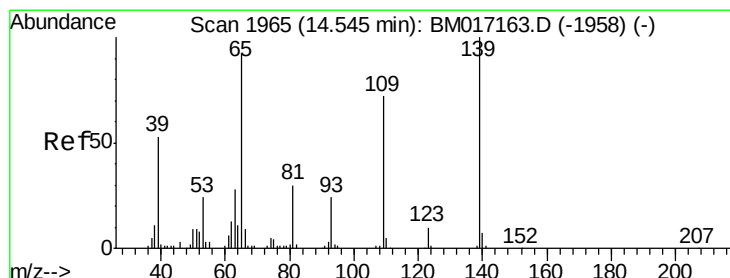
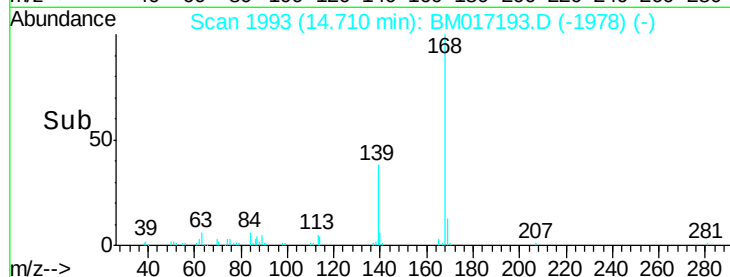
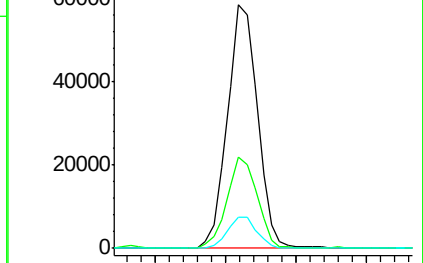
169 12.8 10.6 15.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 5.442 ng

RT: 14.55 min Scan# 1966

Delta R.T. 0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

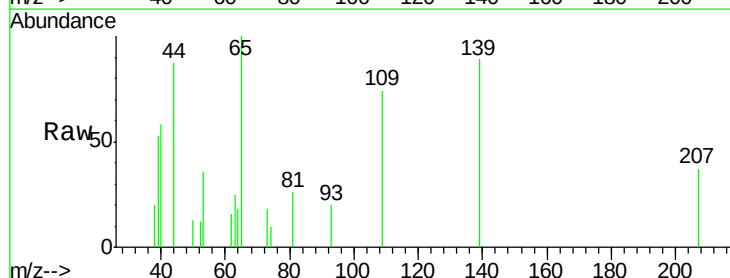
Tgt Ion:139 Resp: 6304

Ion Ratio Lower Upper

139 100

109 83.3 51.8 91.8

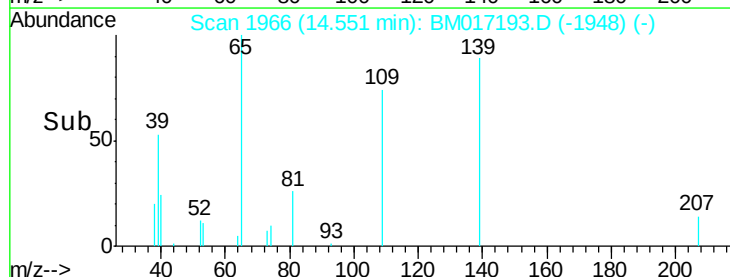
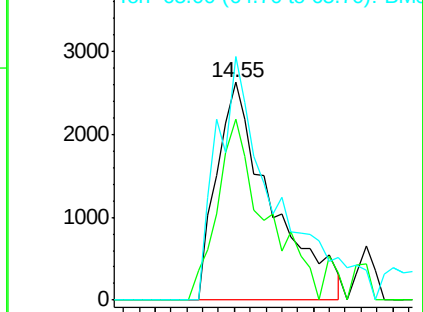
65 111.8 72.1 112.1

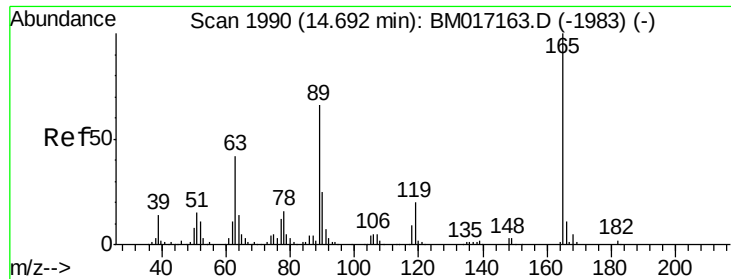


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E

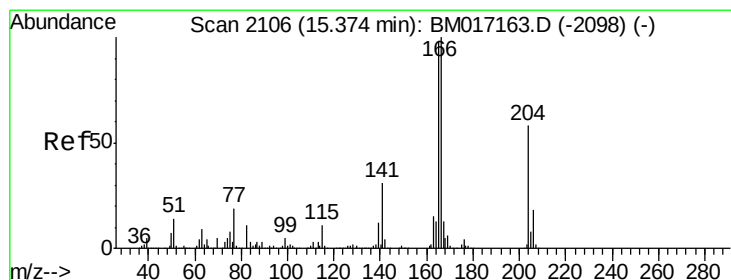
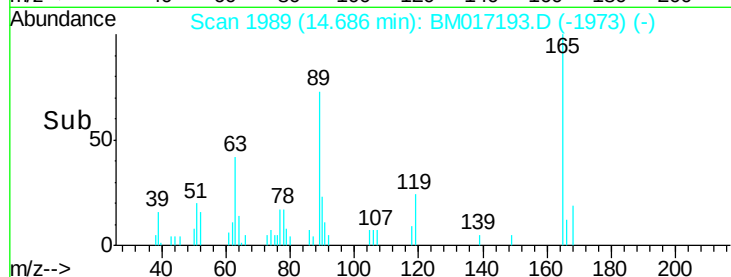
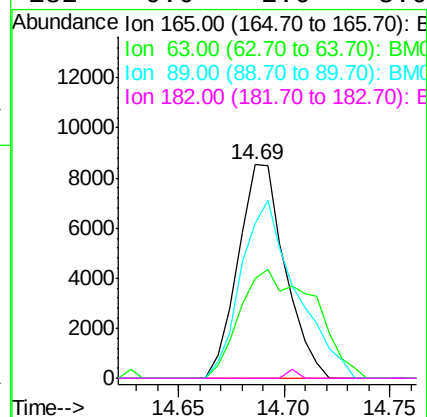
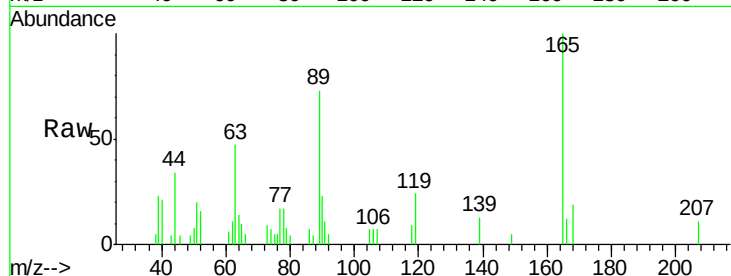




#57
 2,4-Dinitrotoluene
 Concen: 1.177 ng
 RT: 14.69 min Scan# 1989
 Delta R.T. -0.01 min
 Lab File: BM017193.D
 Acq: 18 Oct 2018 15:13

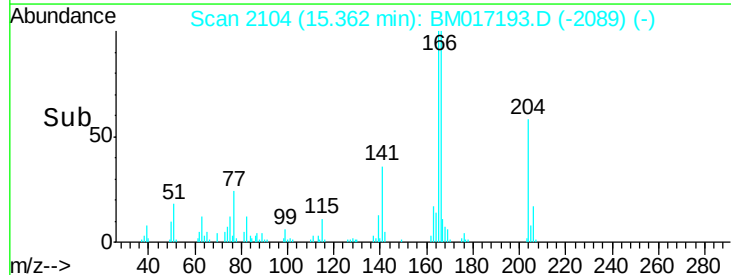
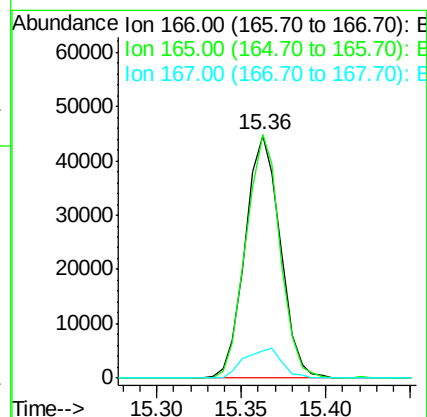
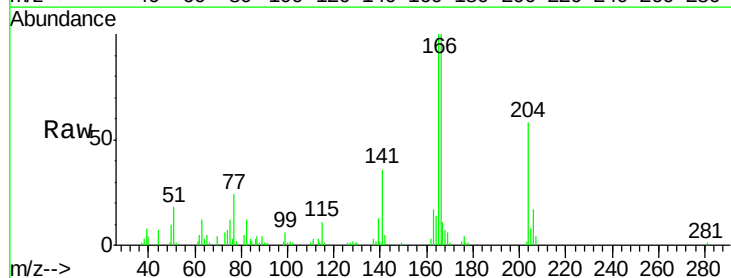
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

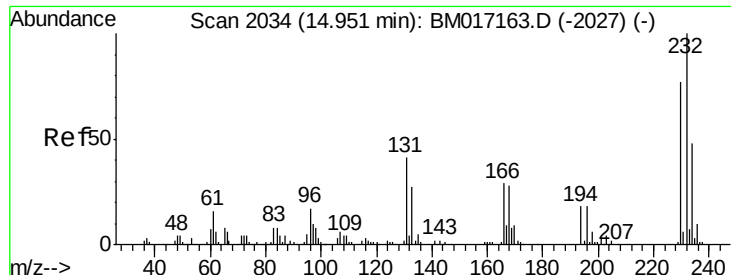
Tgt Ion:165 Resp: 13117
 Ion Ratio Lower Upper
 165 100
 63 46.6 33.8 50.8
 89 72.7 53.1 79.7
 182 0.0 2.0 3.0#



#58
 Fluorene
 Concen: 1.786 ng
 RT: 15.36 min Scan# 2104
 Delta R.T. -0.01 min
 Lab File: BM017193.D
 Acq: 18 Oct 2018 15:13

Tgt Ion:166 Resp: 64676
 Ion Ratio Lower Upper
 166 100
 165 100.5 78.1 117.1
 167 11.4 10.6 16.0

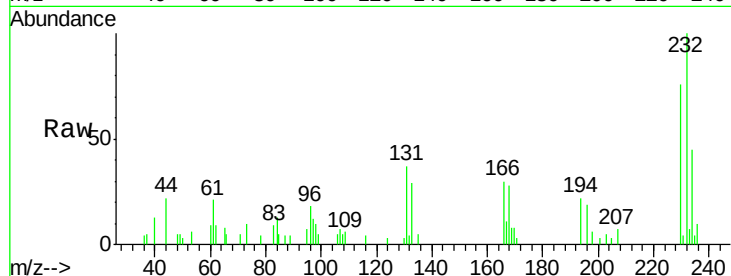




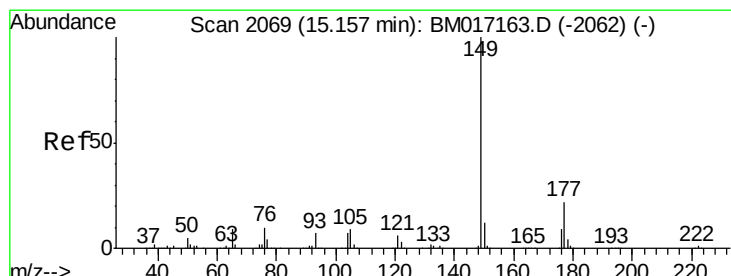
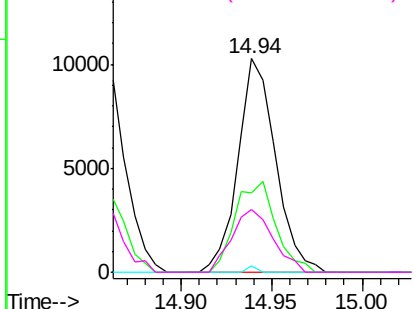
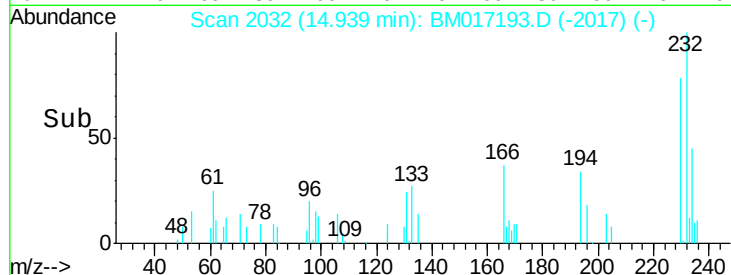
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 1.521 ng
 RT: 14.94 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BM017193.D
 Acq: 18 Oct 2018 15:13

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 232 Resp: 14840
 Ion Ratio Lower Upper
 232 100
 131 45.9 33.1 49.7
 130 0.7 1.7 2.5#
 166 32.1 24.4 36.6

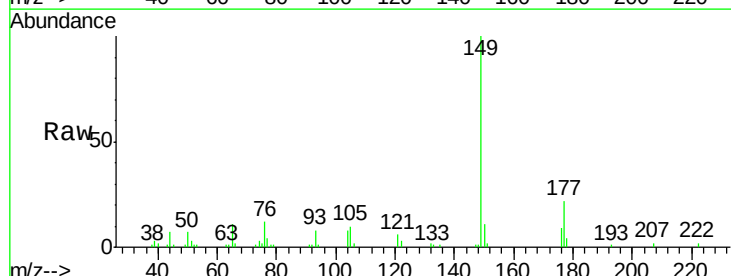


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

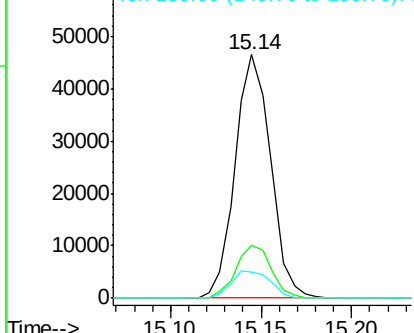
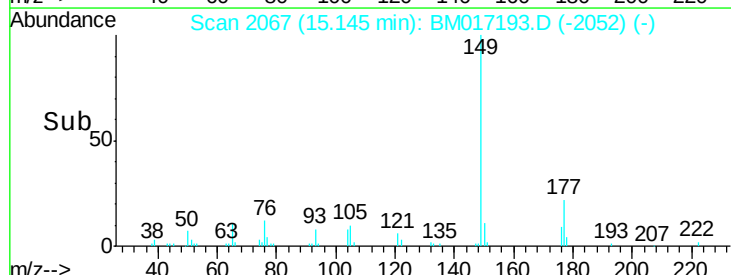


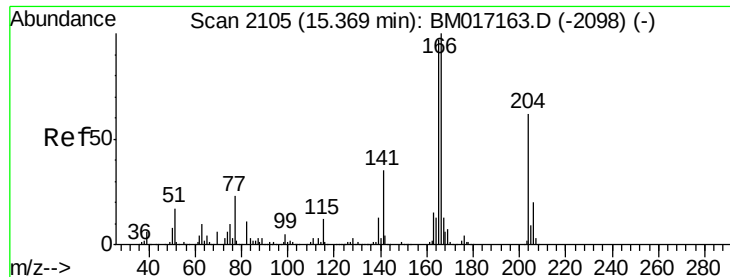
#60
 Diethylphthalate
 Concen: 1.692 ng
 RT: 15.14 min Scan# 2067
 Delta R.T. -0.01 min
 Lab File: BM017193.D
 Acq: 18 Oct 2018 15:13

Tgt Ion: 149 Resp: 63220
 Ion Ratio Lower Upper
 149 100
 177 21.9 17.7 26.5
 150 10.9 10.0 15.0



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

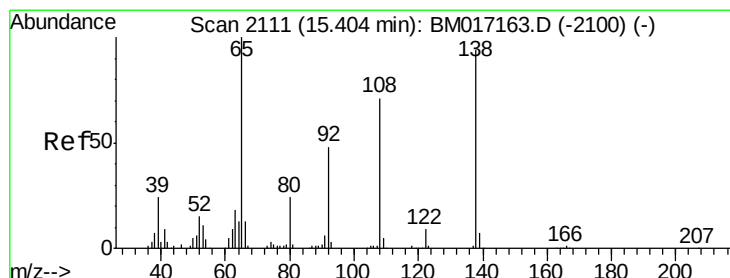
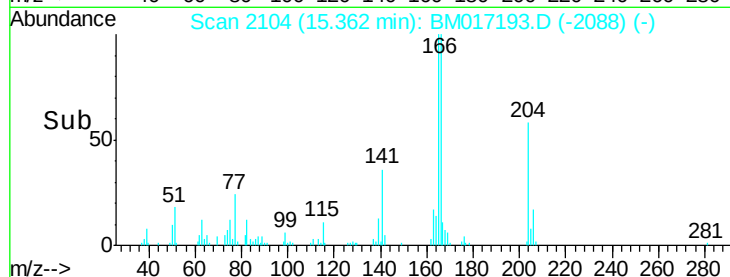
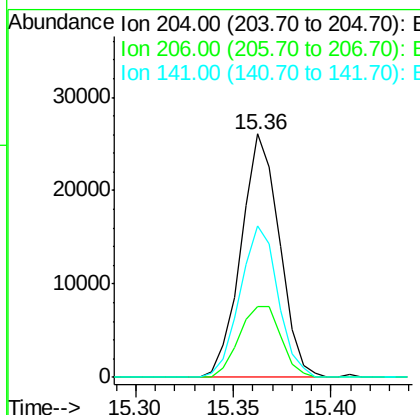
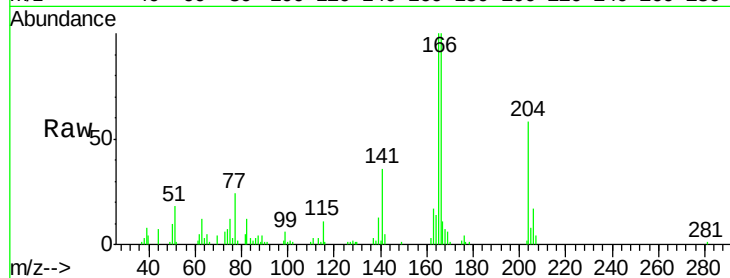




#61
 4-Chlorophenyl-phenylether
 Concen: 1.713 ng
 RT: 15.36 min Scan# 2104
 Delta R.T. -0.01 min
 Lab File: BM017193.D
 Acq: 18 Oct 2018 15:13

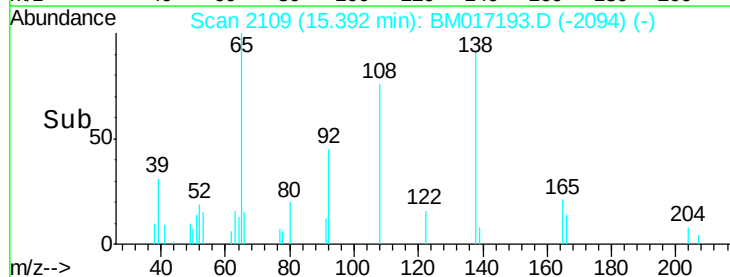
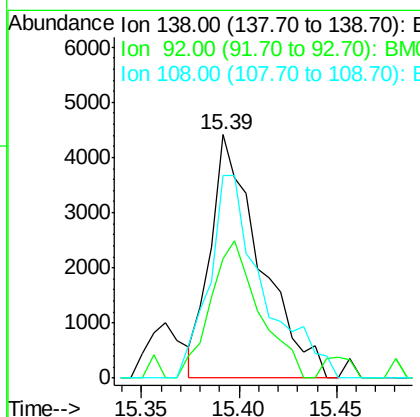
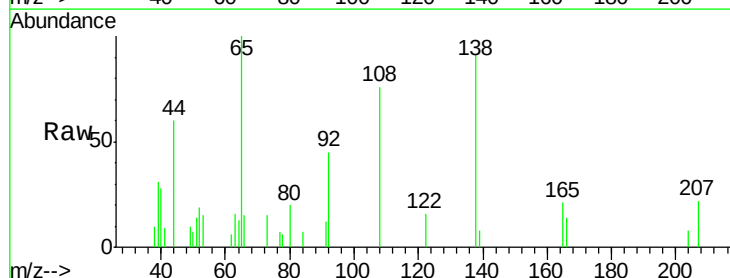
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

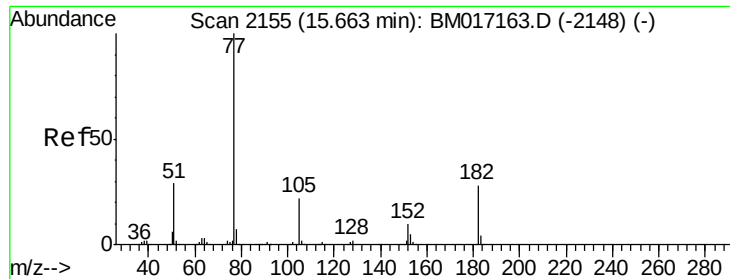
Tgt Ion:204 Resp: 35355
 Ion Ratio Lower Upper
 204 100
 206 28.9 26.1 39.1
 141 62.4 45.4 68.2



#62
 4-Nitroaniline
 Concen: 5.459 ng
 RT: 15.39 min Scan# 2109
 Delta R.T. -0.01 min
 Lab File: BM017193.D
 Acq: 18 Oct 2018 15:13

Tgt Ion:138 Resp: 7830
 Ion Ratio Lower Upper
 138 100
 92 49.1 31.2 71.2
 108 83.3 55.5 95.5





#63

Azobenzene

Concen: 1.456 ng

RT: 15.66 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

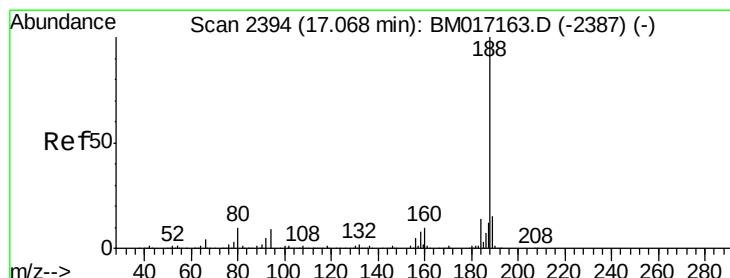
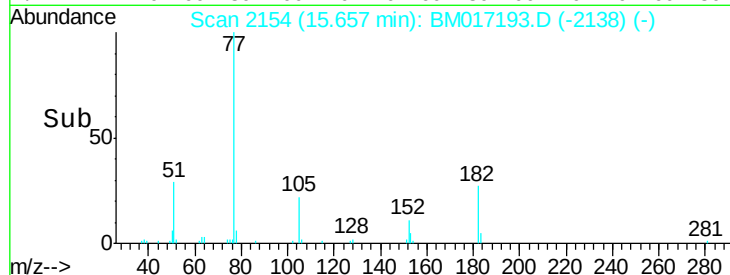
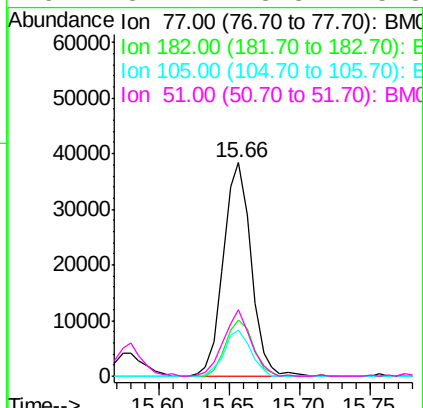
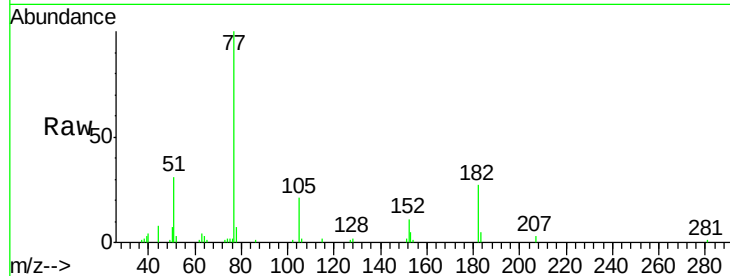
Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	77	Resp:	52855
Ion	Ratio	Lower	Upper
77	100		
182	26.6	8.3	48.3
105	21.4	1.5	41.5
51	31.2	8.8	48.8



#64

Phenanthrene-d10

Concen: 20.000 ng

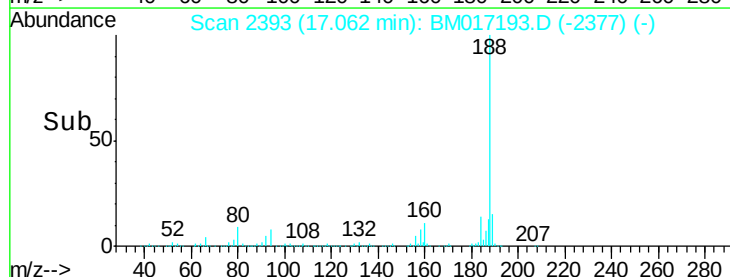
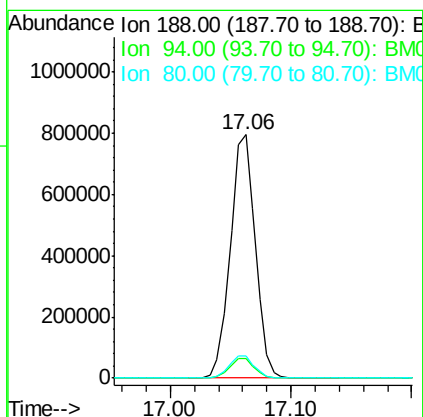
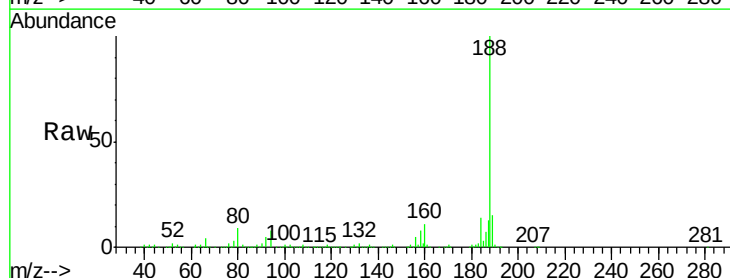
RT: 17.06 min Scan# 2393

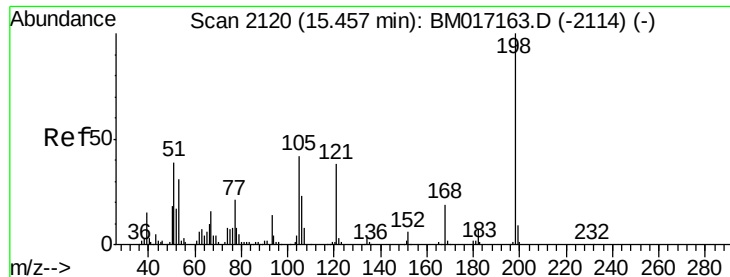
Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

Tgt Ion:	188	Resp:	1146792
Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.0	10.4
80	9.3	7.7	11.5

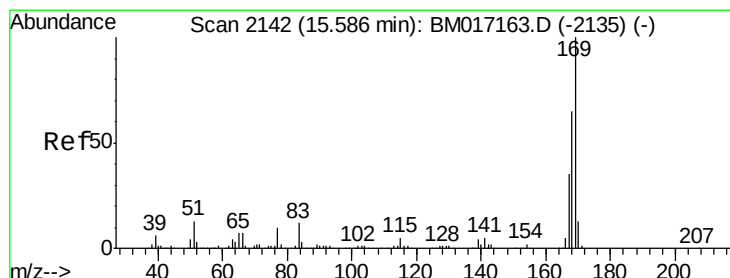
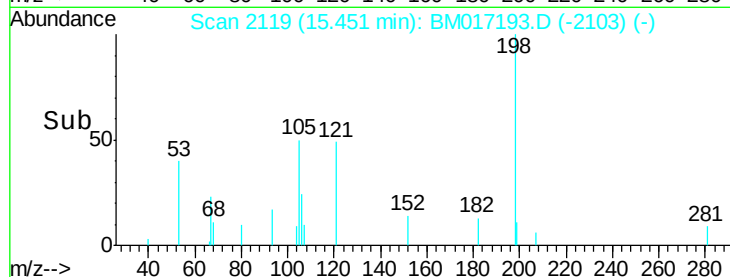
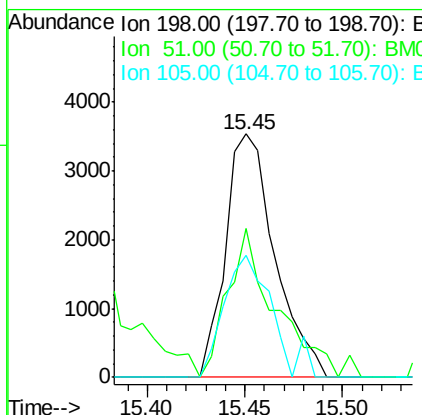
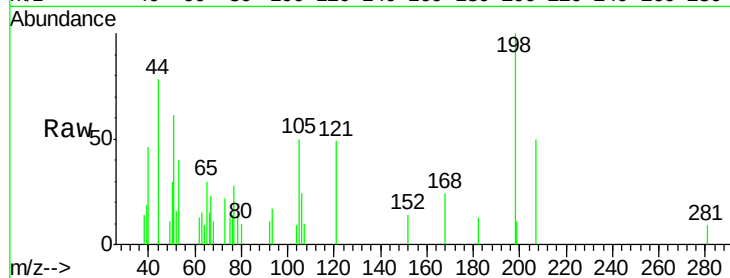




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.720 ng
 RT: 15.45 min Scan# 2119
 Delta R.T. -0.01 min
 Lab File: BM017193.D
 Acq: 18 Oct 2018 15:13

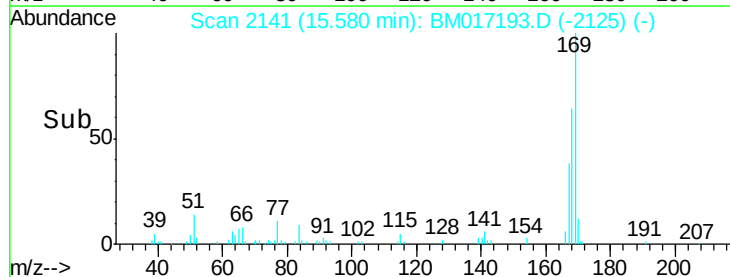
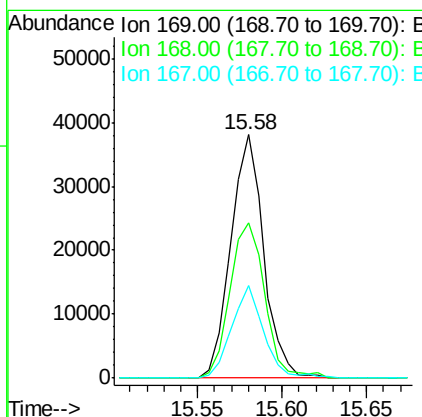
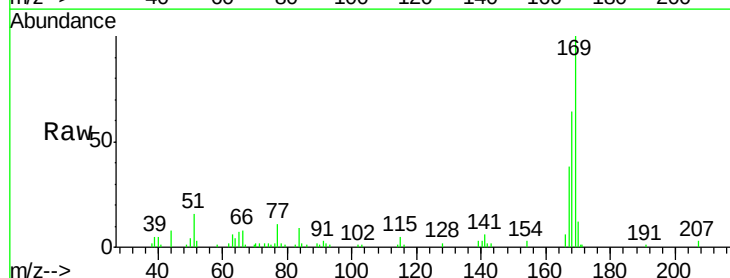
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

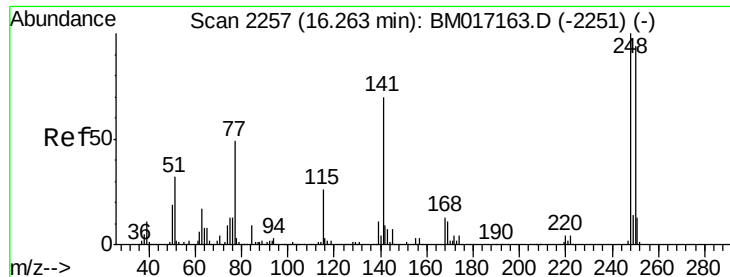
Tgt Ion:198 Resp: 6192
 Ion Ratio Lower Upper
 198 100
 51 61.0 20.3 60.3#
 105 50.4 21.9 61.9



#66
 n-Nitrosodiphenylamine
 Concen: 1.487 ng
 RT: 15.58 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: BM017193.D
 Acq: 18 Oct 2018 15:13

Tgt Ion:169 Resp: 51609
 Ion Ratio Lower Upper
 169 100
 168 64.0 52.2 78.4
 167 37.8 28.4 42.6

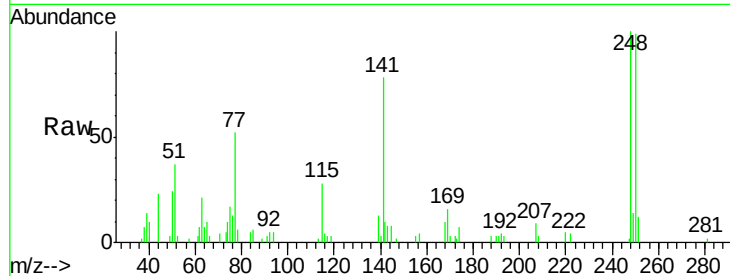




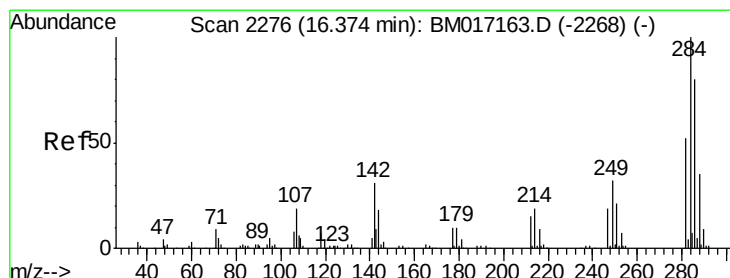
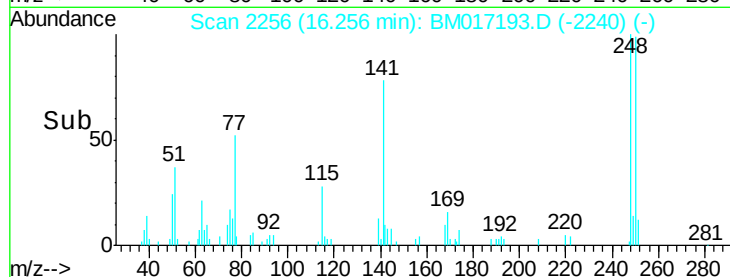
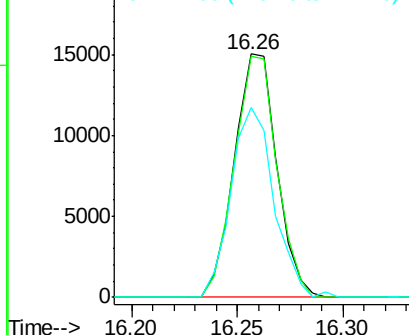
#67
4-Bromophenyl-phenylether
Concen: 1.670 ng
RT: 16.26 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:248 Resp: 21031
Ion Ratio Lower Upper
248 100
250 99.0 75.1 112.7
141 77.9 55.6 83.4

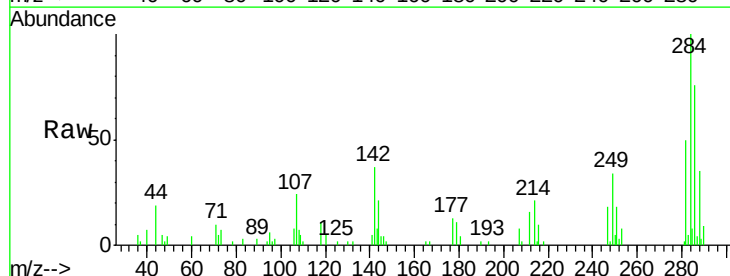


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

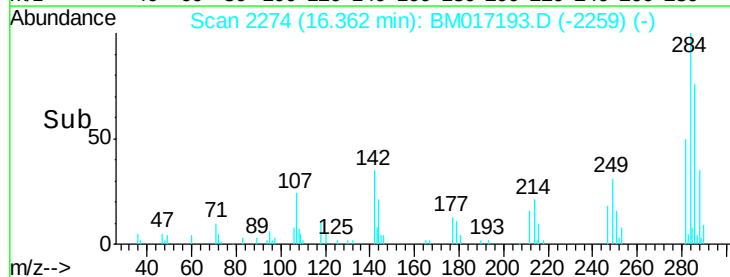
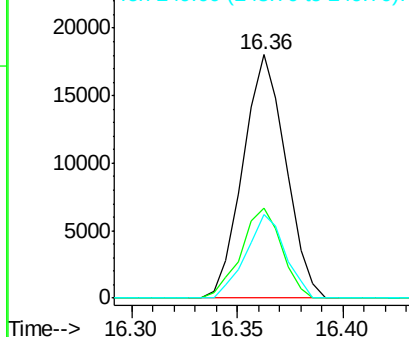


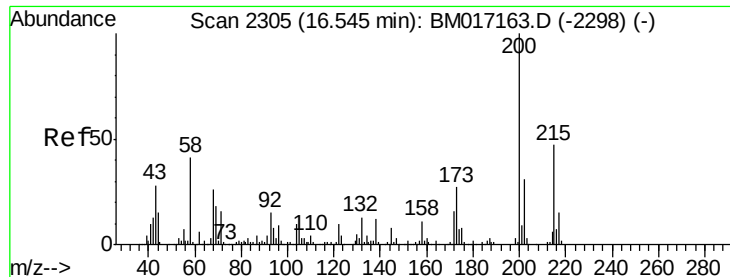
#68
Hexachlorobenzene
Concen: 1.729 ng
RT: 16.36 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

Tgt Ion:284 Resp: 25286
Ion Ratio Lower Upper
284 100
142 36.8 25.0 37.6
249 34.5 25.5 38.3



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

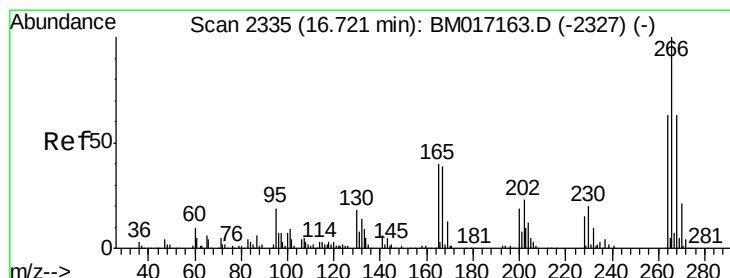
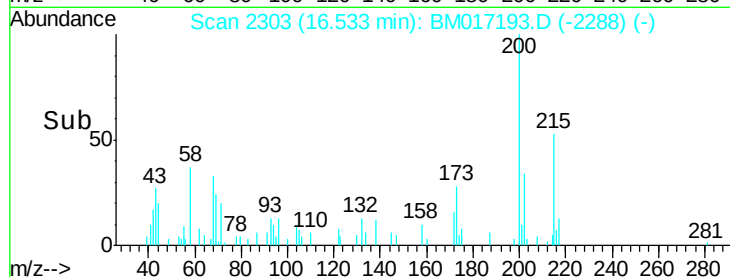
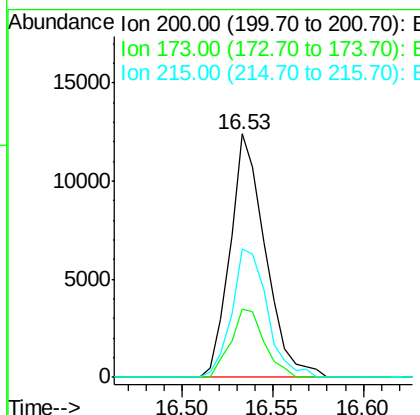
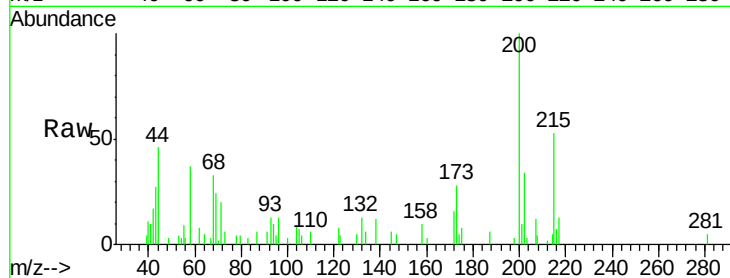




#69
 Atrazine
 Concen: 1.351 ng
 RT: 16.53 min Scan# 2303
 Delta R.T. -0.01 min
 Lab File: BM017193.D
 Acq: 18 Oct 2018 15:13

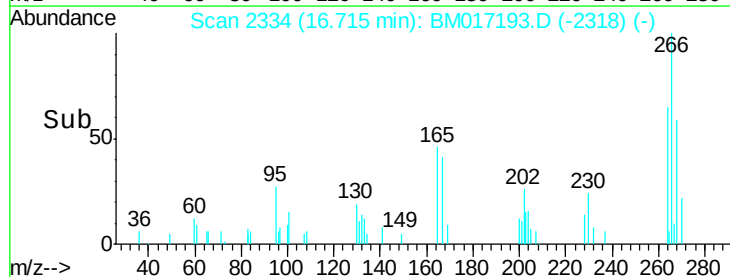
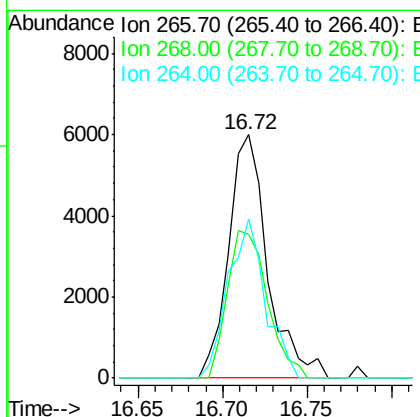
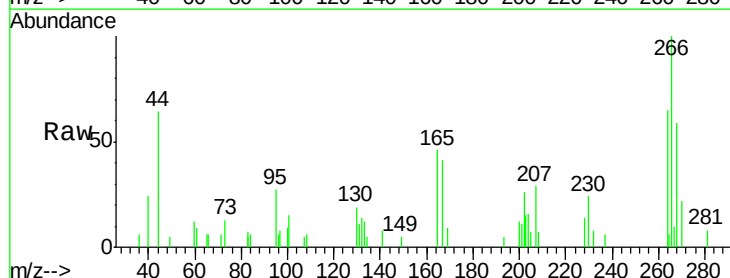
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

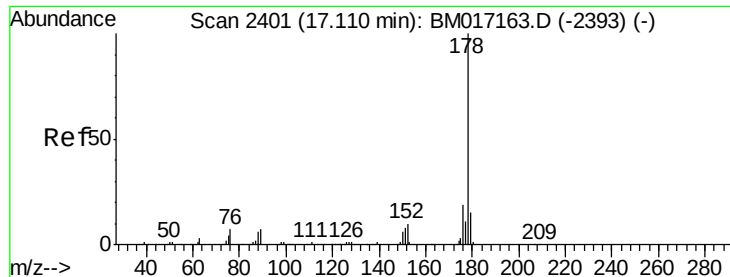
Tgt Ion:200 Resp: 16773
 Ion Ratio Lower Upper
 200 100
 173 27.8 7.0 47.0
 215 52.7 27.3 67.3



#70
 Pentachlorophenol
 Concen: 0.961 ng
 RT: 16.72 min Scan# 2334
 Delta R.T. -0.01 min
 Lab File: BM017193.D
 Acq: 18 Oct 2018 15:13

Tgt Ion:266 Resp: 9630
 Ion Ratio Lower Upper
 266 100
 268 59.3 50.7 76.1
 264 71.1 50.4 75.6

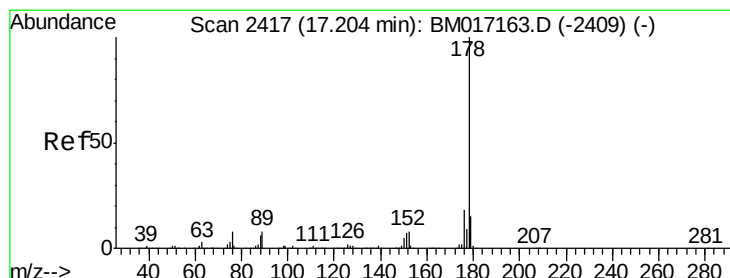
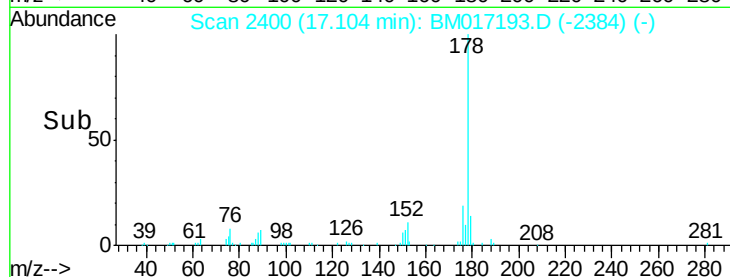
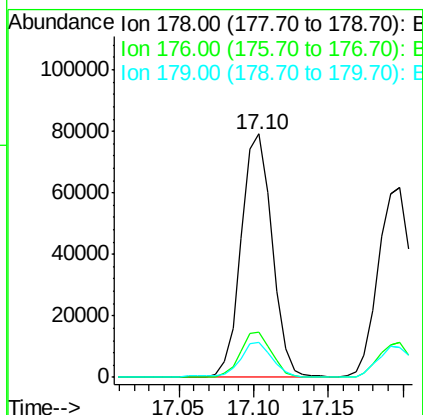
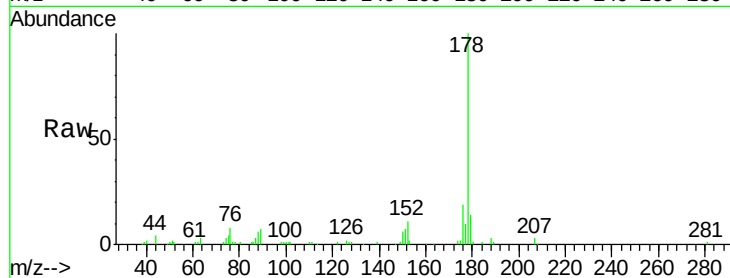




#71
Phenanthrene
Concen: 1.838 ng
RT: 17.10 min Scan# 2400
Delta R.T. -0.01 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

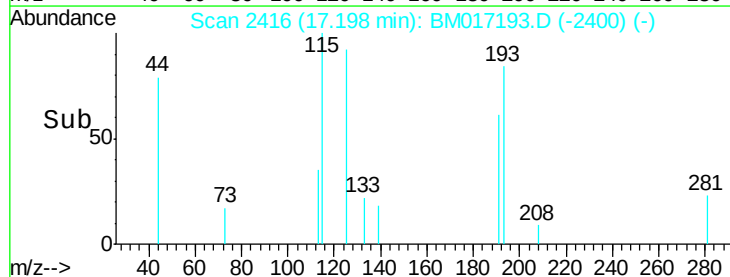
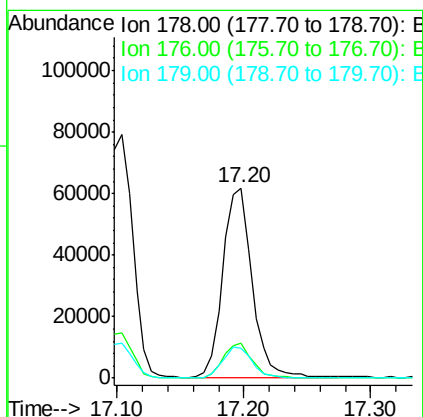
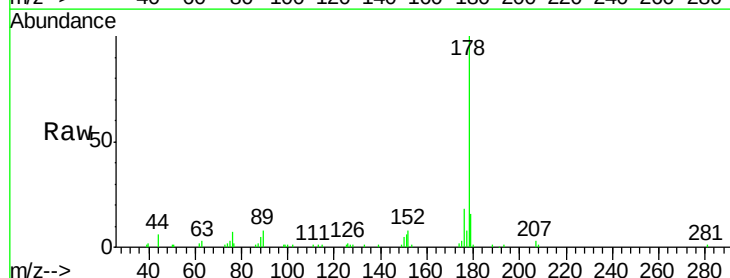
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

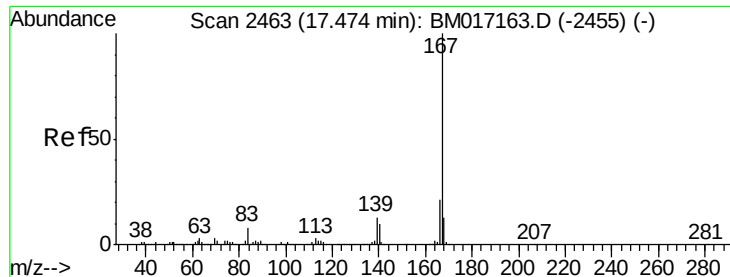
Tgt Ion:178 Resp: 113720
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 14.4 12.3 18.5



#72
Anthracene
Concen: 1.705 ng
RT: 17.20 min Scan# 2416
Delta R.T. -0.01 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

Tgt Ion:178 Resp: 100223
Ion Ratio Lower Upper
178 100
176 18.4 14.5 21.7
179 15.6 12.2 18.2

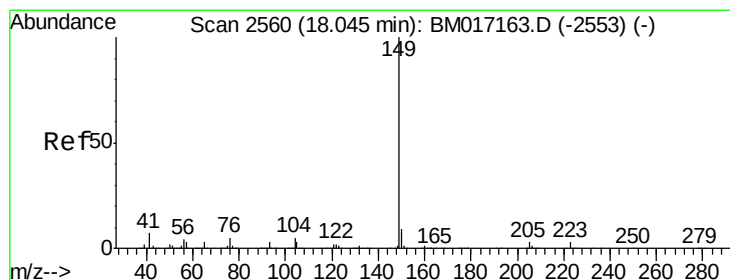
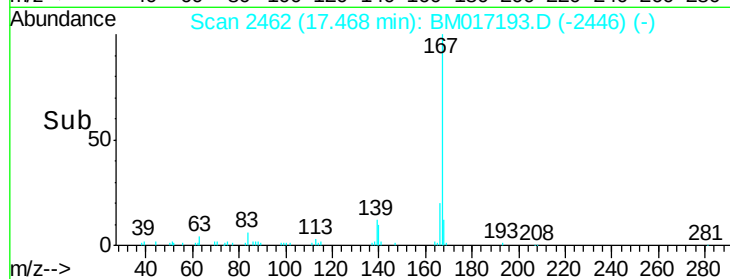
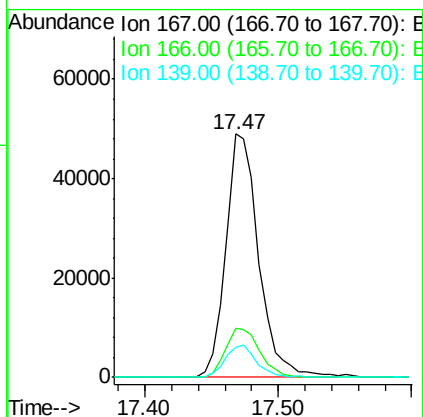
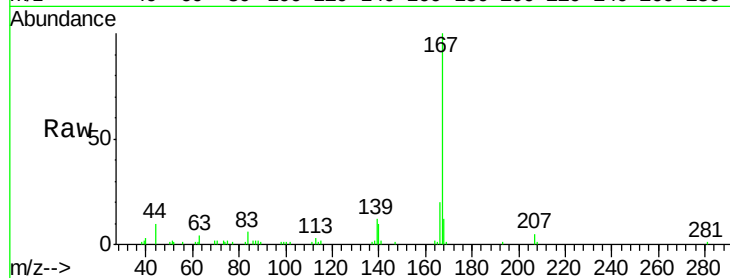




#73
 Carbazole
 Concen: 1.407 ng
 RT: 17.47 min Scan# 2462
 Delta R.T. -0.01 min
 Lab File: BM017193.D
 Acq: 18 Oct 2018 15:13

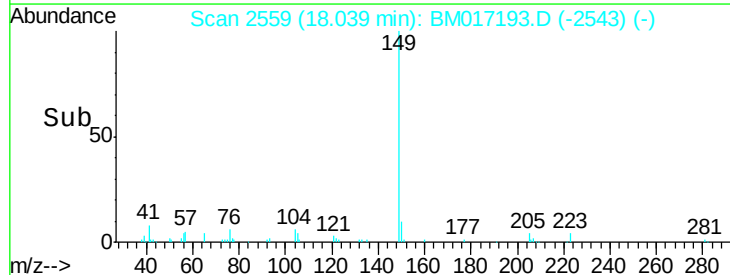
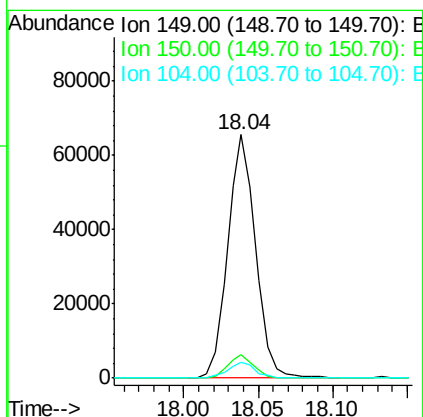
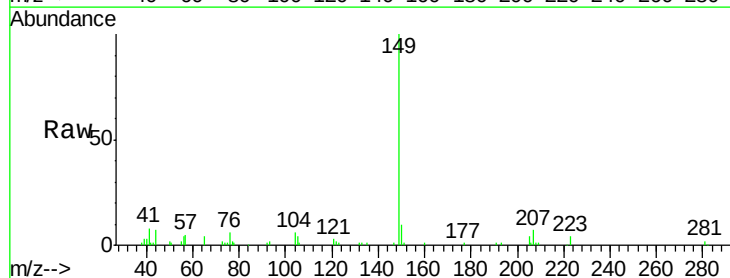
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

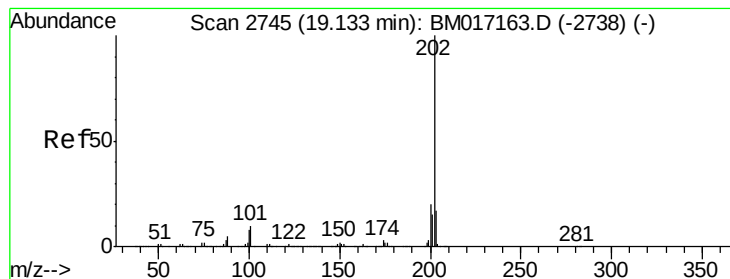
Tgt Ion:167 Resp: 84472
 Ion Ratio Lower Upper
 167 100
 166 19.9 17.1 25.7
 139 12.5 10.1 15.1



#74
 Di-n-butylphthalate
 Concen: 1.354 ng
 RT: 18.04 min Scan# 2559
 Delta R.T. -0.01 min
 Lab File: BM017193.D
 Acq: 18 Oct 2018 15:13

Tgt Ion:149 Resp: 85794
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.4 11.0
 104 6.3 4.3 6.5





#75

Fluoranthene

Concen: 1.740 ng

RT: 19.13 min Scan# 2744

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

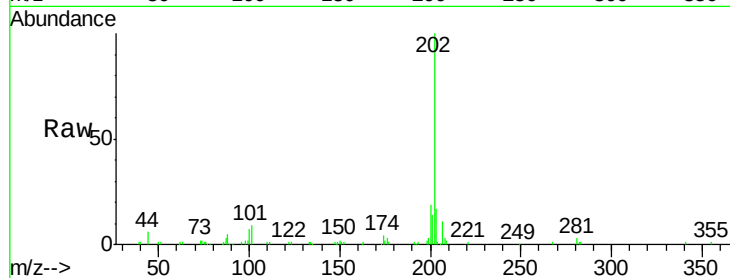
Instrument :

BNA_M

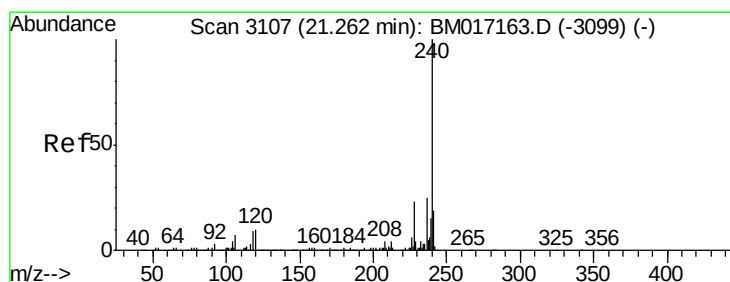
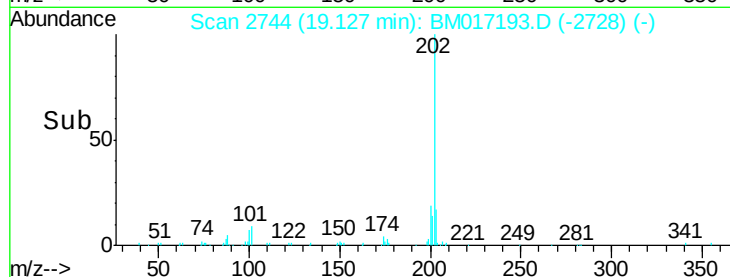
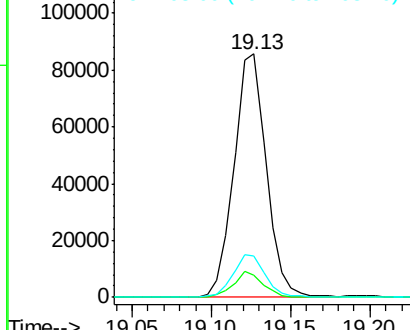
ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	202	Resp:	121150
Ion Ratio	Lower	Upper	
202	100		
101	9.2	0.0	30.0
203	17.1	0.0	37.2



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

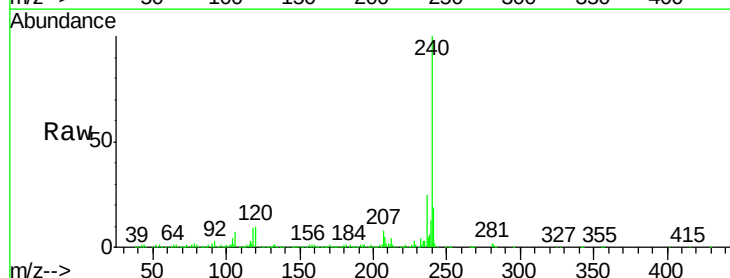
RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

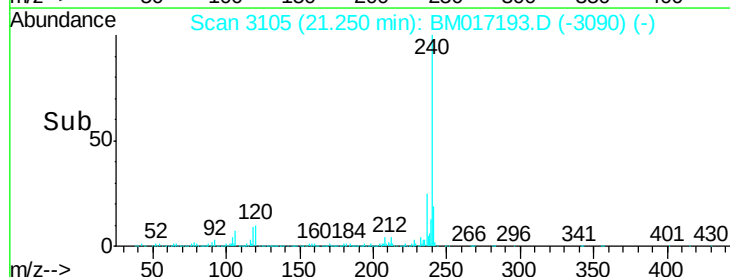
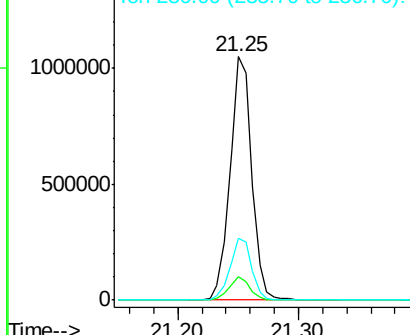
Lab File: BM017193.D

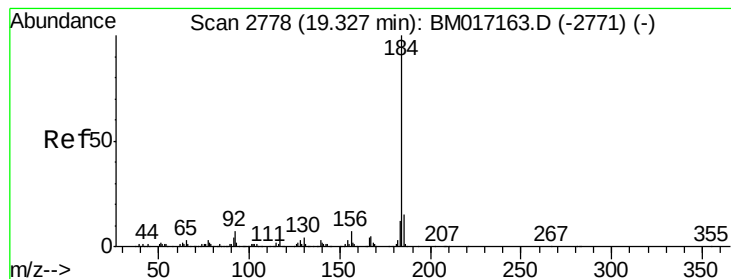
Acq: 18 Oct 2018 15:13

Tgt Ion:	240	Resp:	1314059
Ion Ratio	Lower	Upper	
240	100		
120	9.7	8.1	12.1
236	25.3	19.9	29.9



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: 0.730 ng

RT: 19.32 min Scan# 2777

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

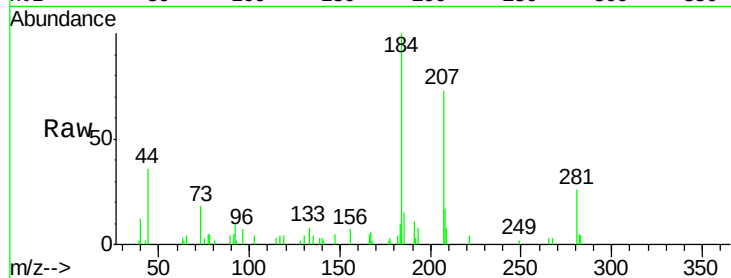
Tgt Ion:184 Resp: 24326

Ion Ratio Lower Upper

184 100

185 14.8 11.8 17.8

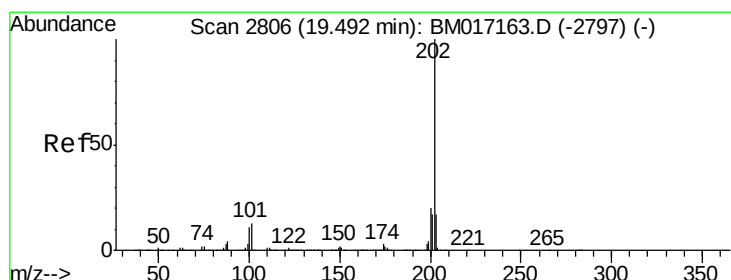
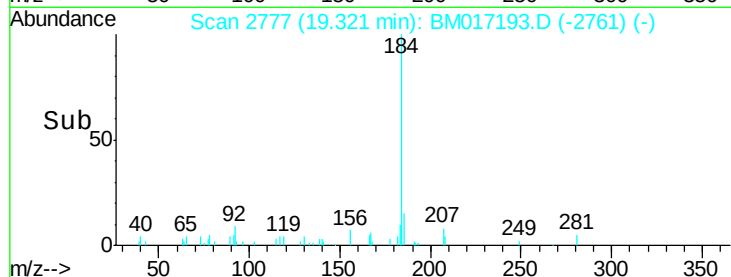
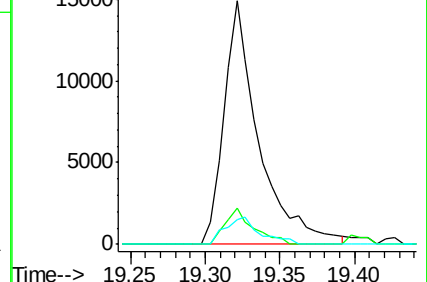
183 10.1 9.7 14.5



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: 1.736 ng

RT: 19.49 min Scan# 2805

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

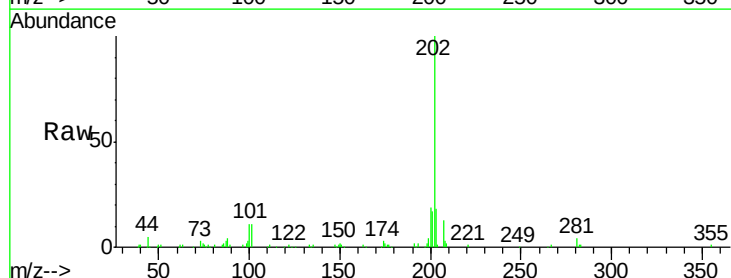
Tgt Ion:202 Resp: 127530

Ion Ratio Lower Upper

202 100

200 19.4 16.3 24.5

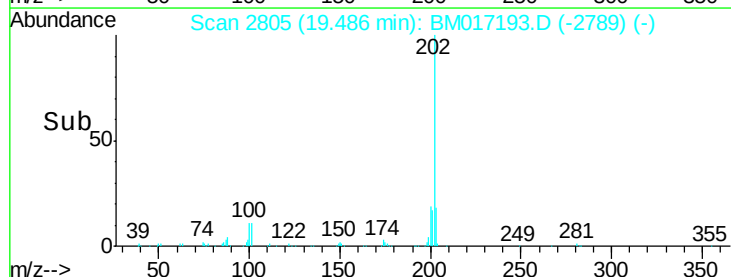
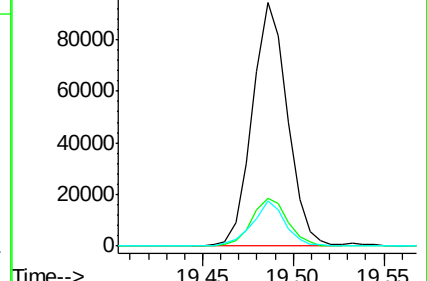
203 18.3 13.9 20.9

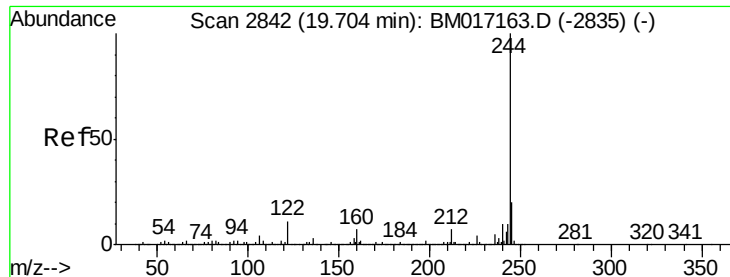


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 75.219 ng

RT: 19.70 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

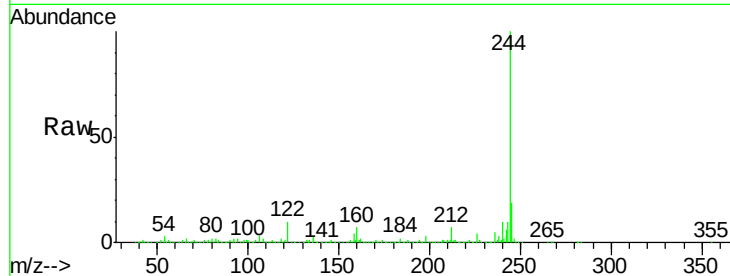
Tgt Ion:244 Resp: 4385171

Ion Ratio Lower Upper

244 100

212 7.3 5.5 8.3

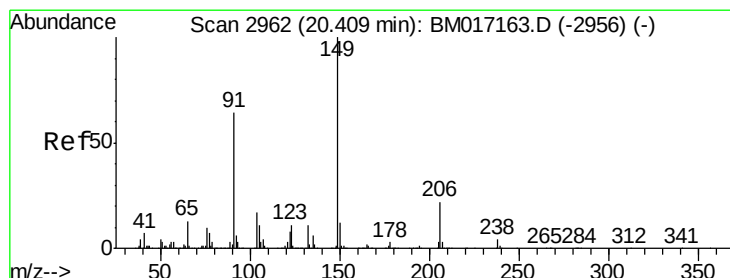
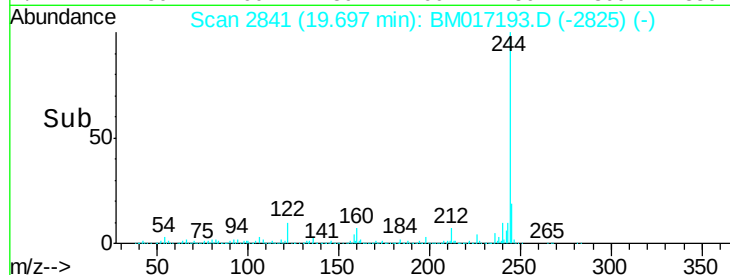
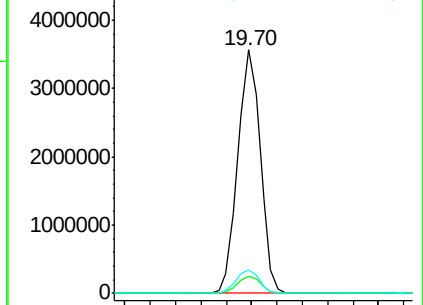
122 9.7 8.4 12.6



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: 8.261 ng

RT: 20.40 min Scan# 2960

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

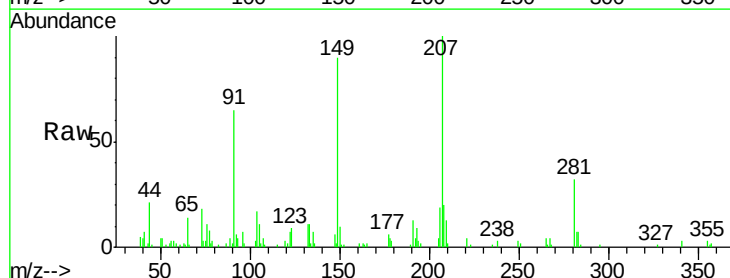
Tgt Ion:149 Resp: 35642

Ion Ratio Lower Upper

149 100

91 72.2 51.3 76.9

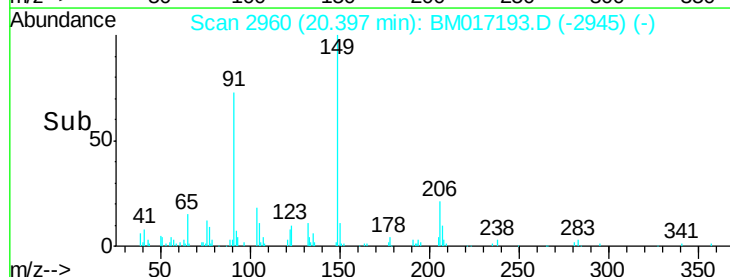
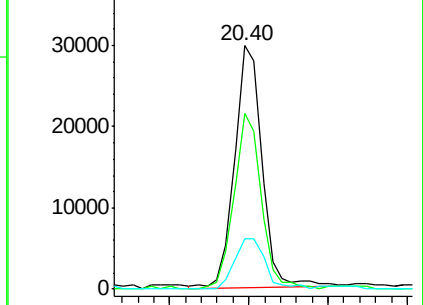
206 20.7 18.0 27.0

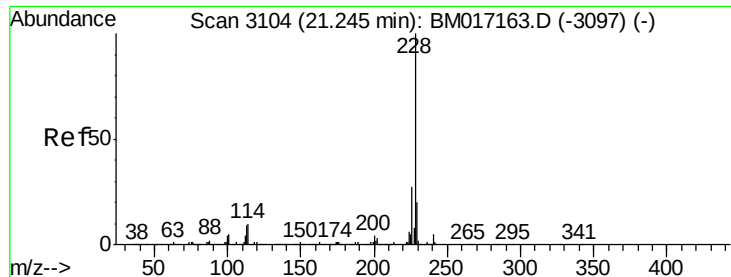


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 1.791 ng

RT: 21.24 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

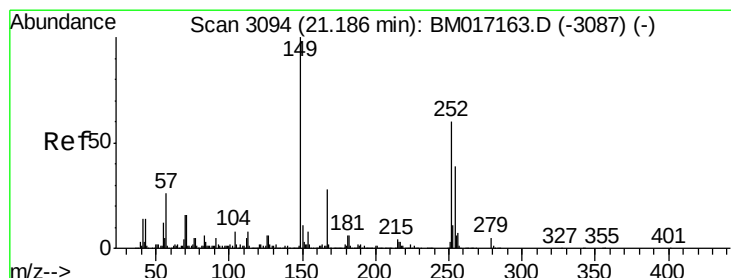
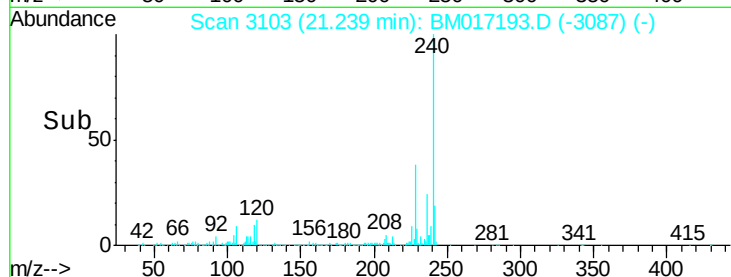
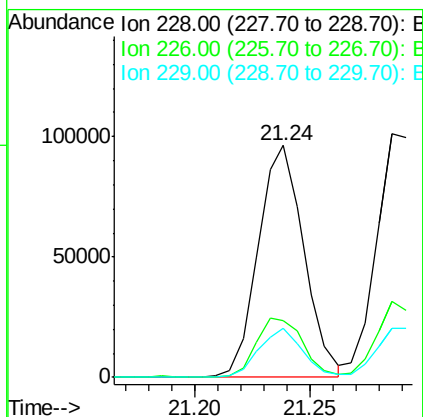
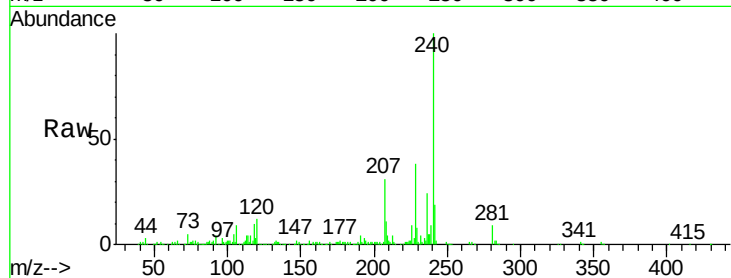
Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	228	Resp:	132409
Ion	Ratio	Lower	Upper
228	100		
226	24.7	21.4	32.0
229	21.2	15.9	23.9



#82

3,3'-Dichlorobenzidine

Concen: 1.049 ng

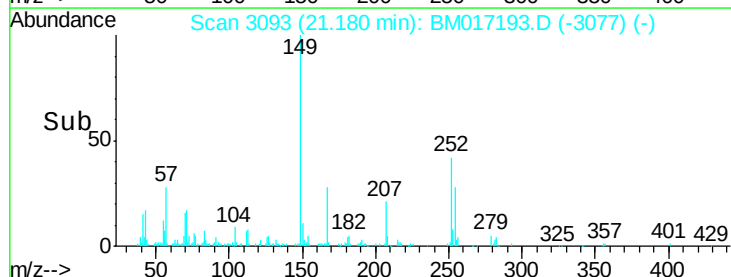
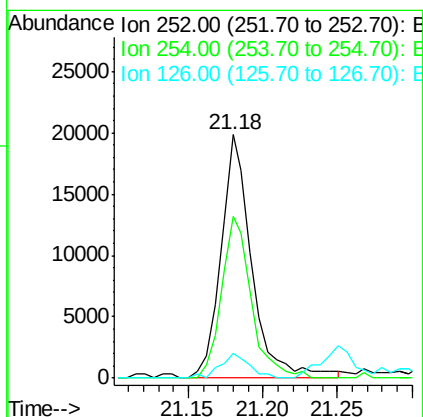
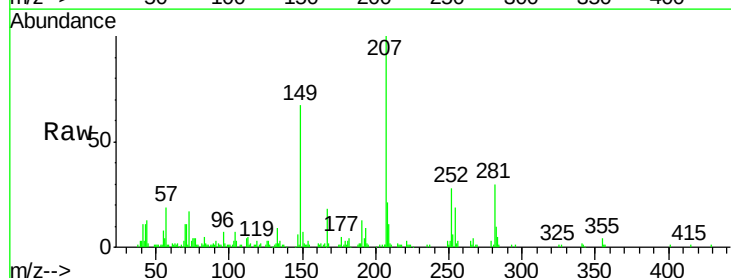
RT: 21.18 min Scan# 3093

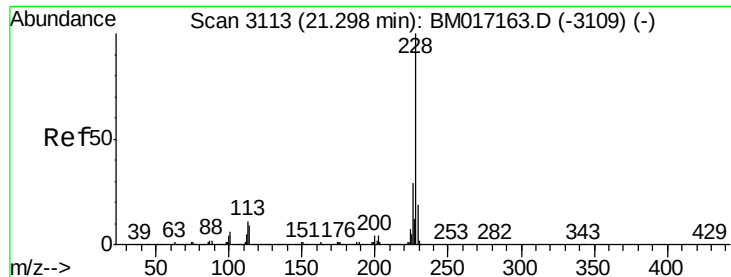
Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

Tgt Ion:	252	Resp:	28907
Ion	Ratio	Lower	Upper
252	100		
254	66.4	52.1	78.1
126	10.2	8.6	12.8

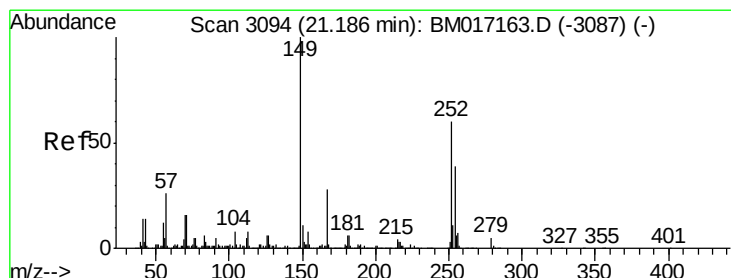
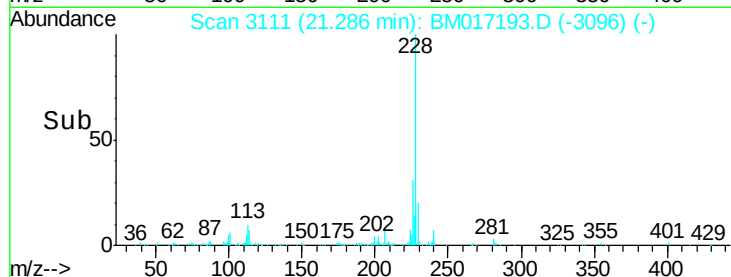
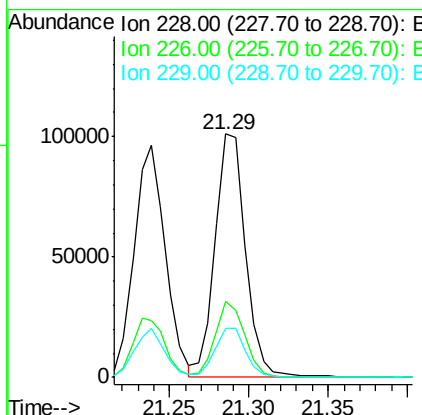
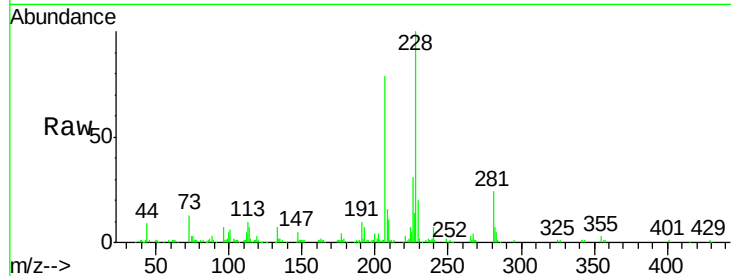




#83
Chrysene
Concen: 1.852 ng
RT: 21.29 min Scan# 3111
Delta R.T. -0.01 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

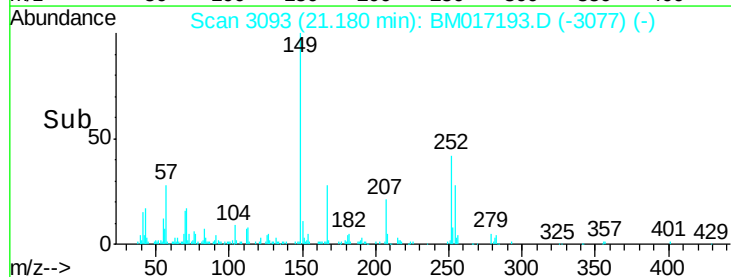
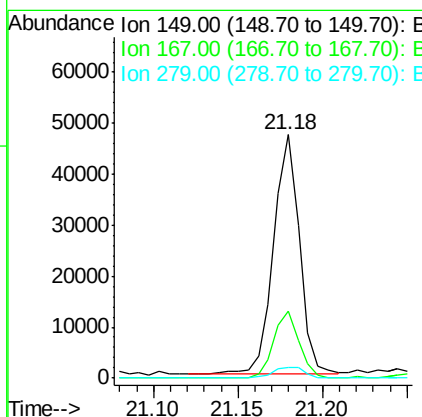
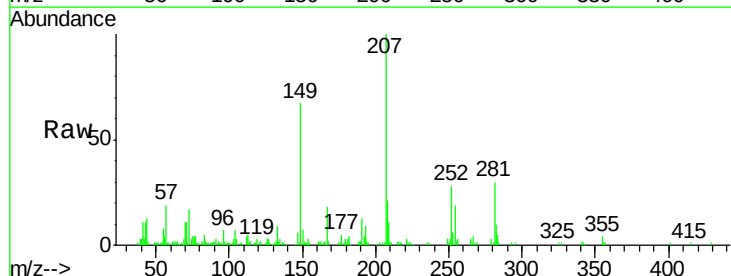
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

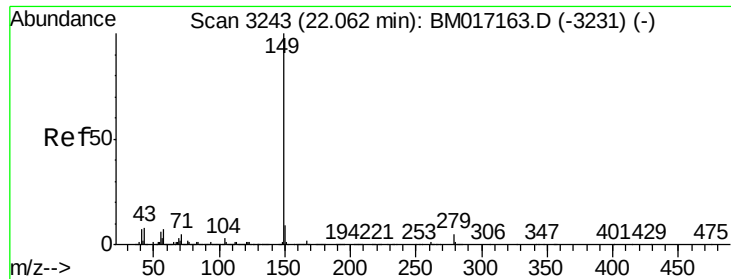
Tgt Ion: 228 Resp: 135556
Ion Ratio Lower Upper
228 100
226 31.3 23.3 34.9
229 19.9 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.346 ng
RT: 21.18 min Scan# 3093
Delta R.T. -0.01 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

Tgt Ion: 149 Resp: 49910
Ion Ratio Lower Upper
149 100
167 27.3 22.2 33.4
279 4.6 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 6.634 ng

RT: 22.05 min Scan# 3241

Delta R.T. -0.01 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

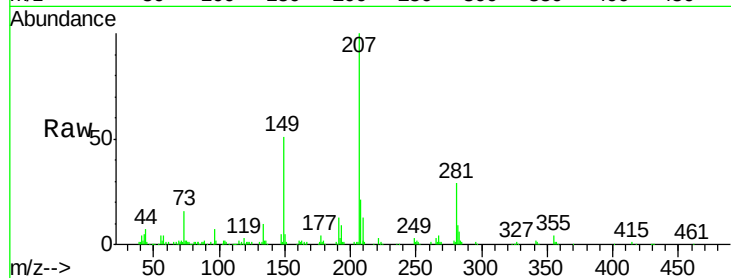
Tgt Ion:149 Resp: 87076

Ion Ratio Lower Upper

149 100

167 2.4 1.4 2.0#

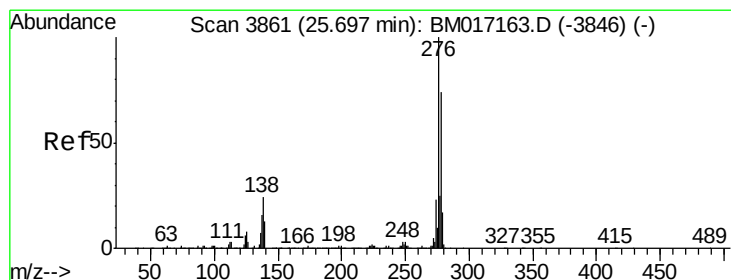
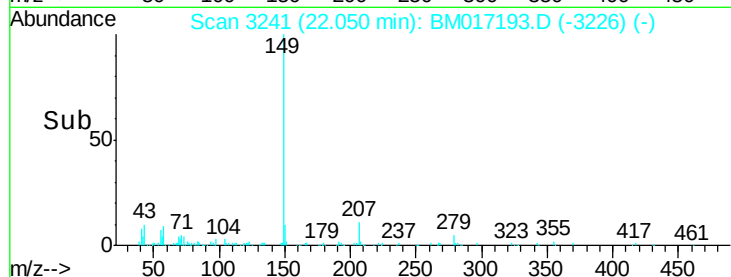
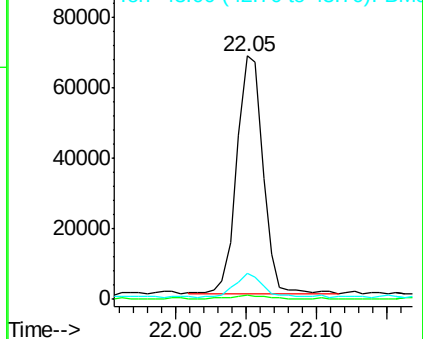
43 10.1 7.2 10.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#86

Indeno(1,2,3-cd)pyrene

Concen: 1.815 ng

RT: 25.68 min Scan# 3858

Delta R.T. -0.02 min

Lab File: BM017193.D

Acq: 18 Oct 2018 15:13

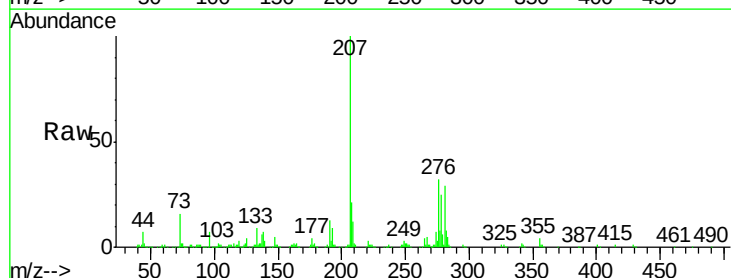
Tgt Ion:276 Resp: 148566

Ion Ratio Lower Upper

276 100

138 23.3 19.5 29.3

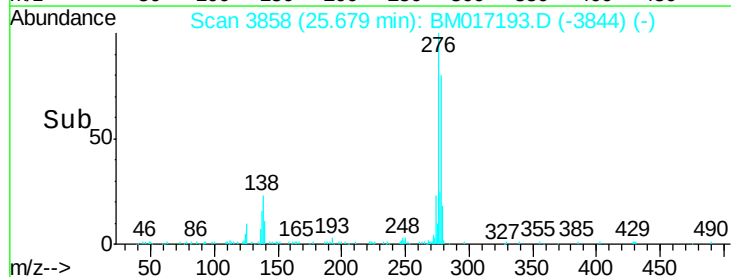
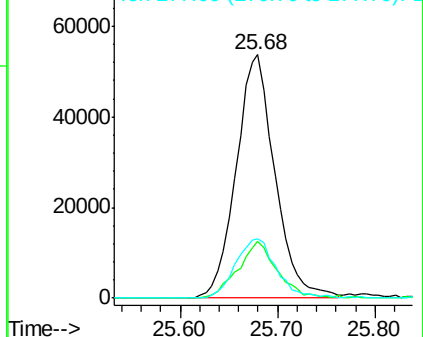
277 25.7 20.1 30.1

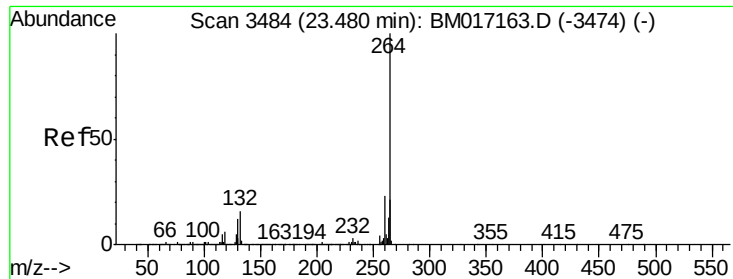


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



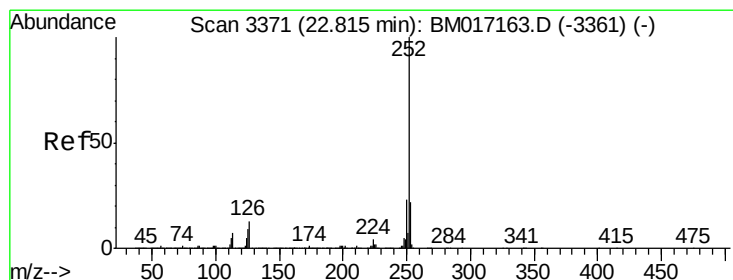
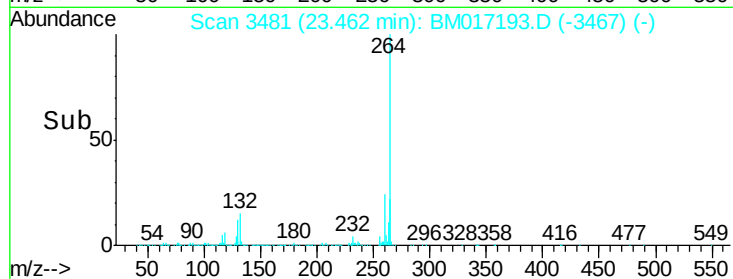
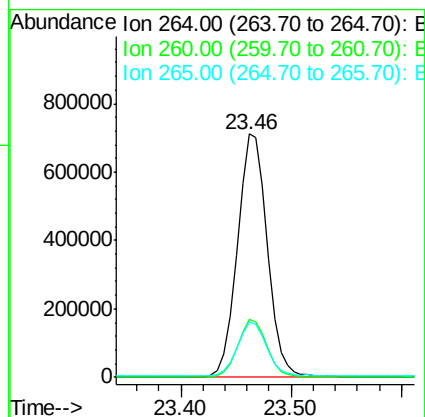
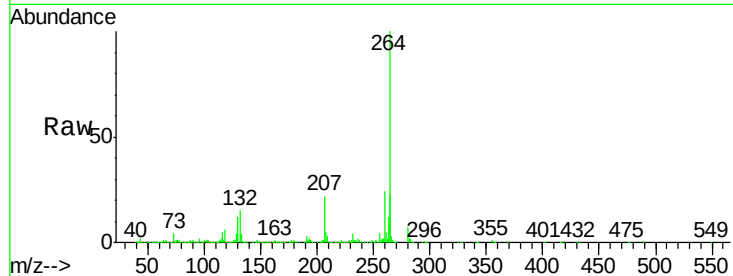


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.46 min Scan# 3481
Delta R.T. -0.02 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:264 Resp: 1359129

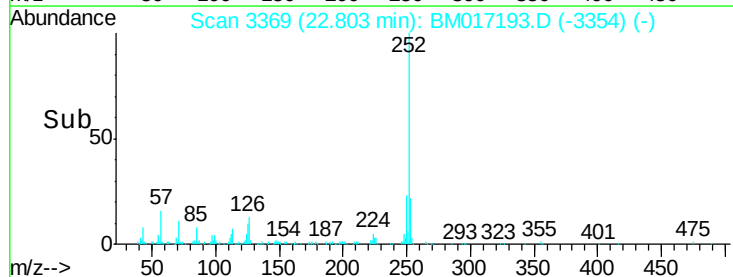
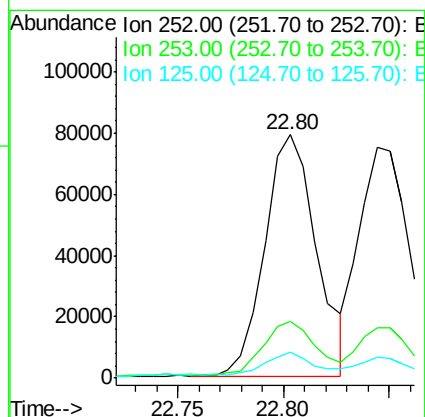
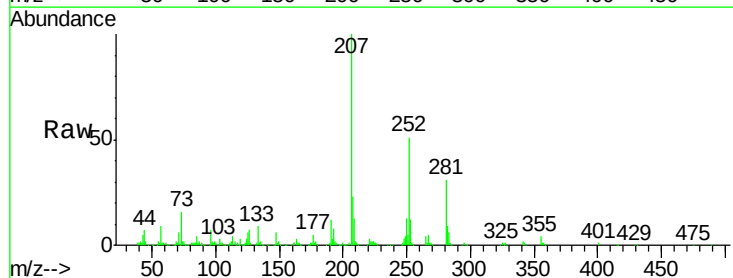
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	23.0	17.8	26.8

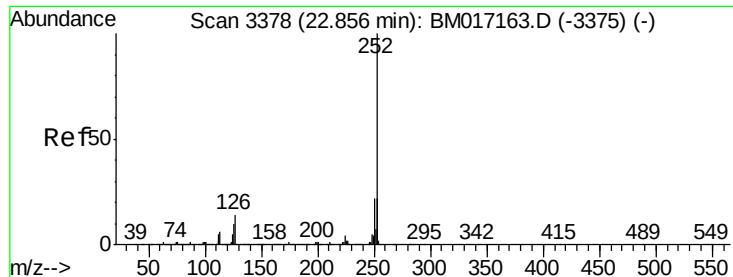


#88
Benzo(b)fluoranthene
Concen: 1.810 ng
RT: 22.80 min Scan# 3369
Delta R.T. -0.01 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

Tgt Ion:252 Resp: 134522

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	10.8	7.5	11.3

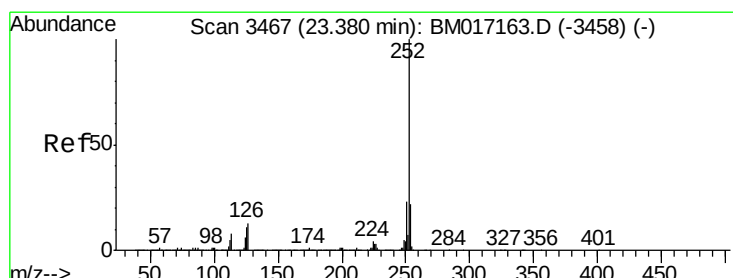
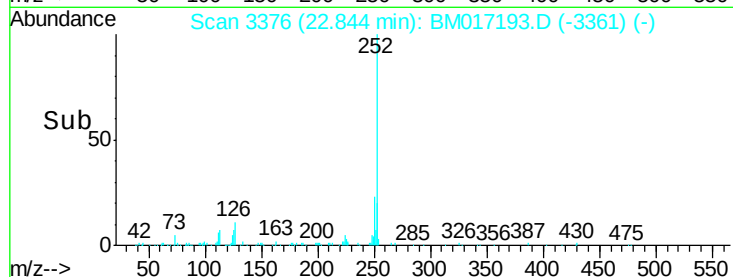
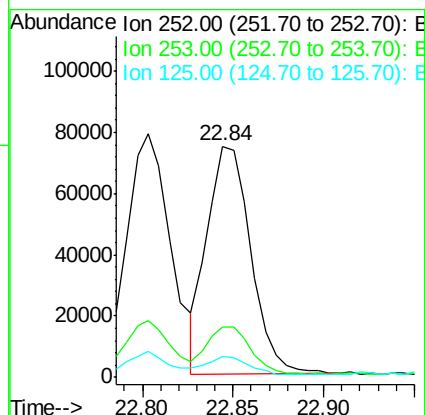
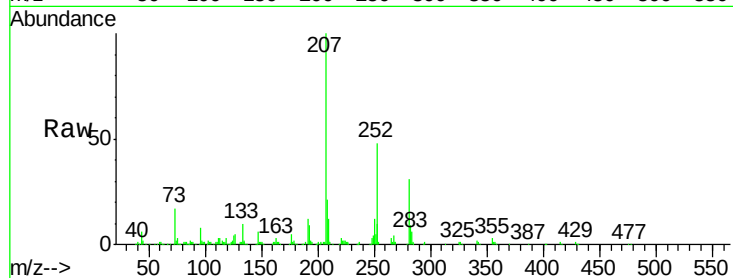




#89
Benzo(k)fluoranthene
Concen: 1.673 ng
RT: 22.84 min Scan# 3376
Delta R.T. -0.01 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

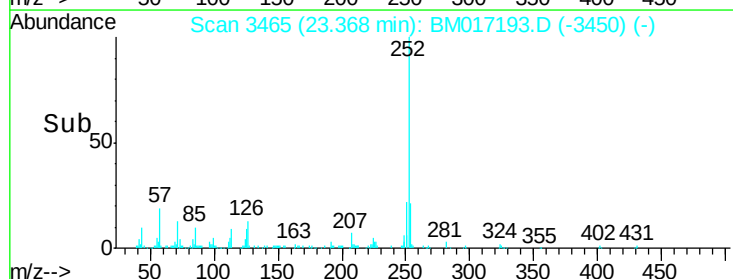
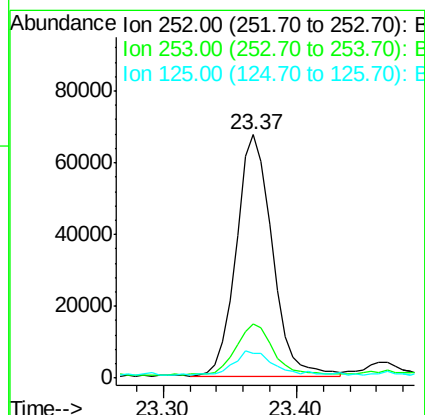
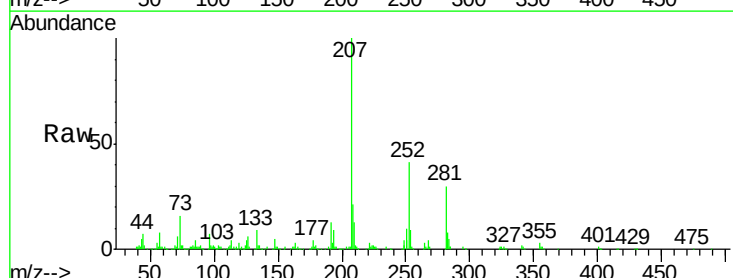
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

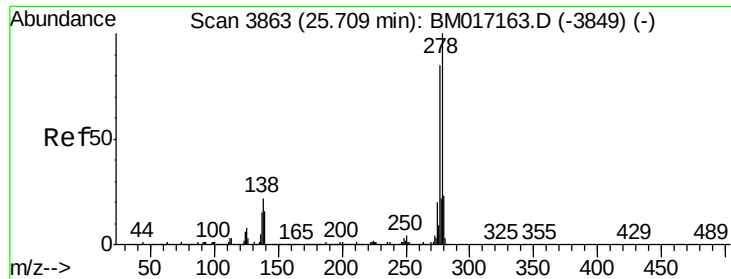
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	8.9	8.2	12.2



#90
Benzo(a)pyrene
Concen: 1.770 ng
RT: 23.37 min Scan# 3465
Delta R.T. -0.01 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	10.3	8.6	13.0

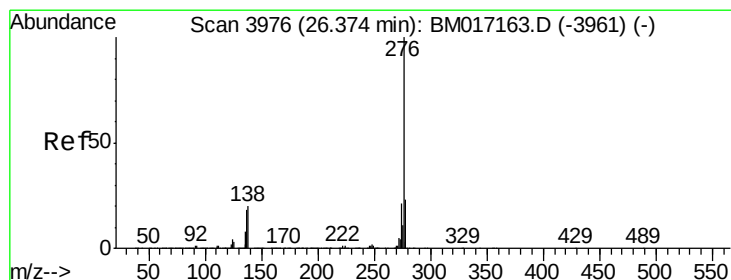
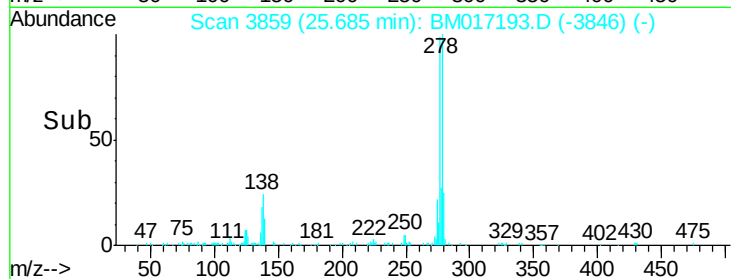
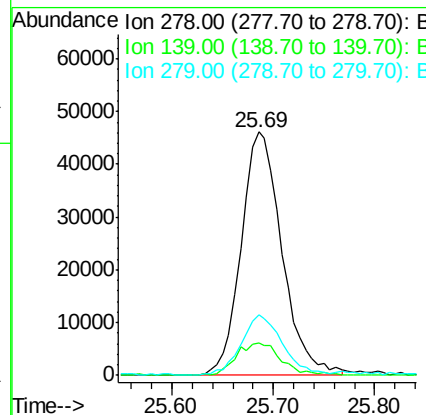
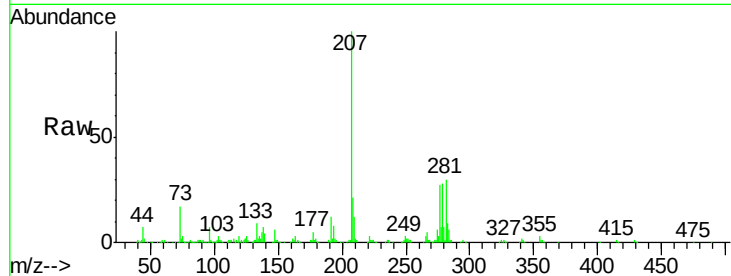




#91
Dibenzo(a,h)anthracene
Concen: 1.840 ng
RT: 25.69 min Scan# 3859
Delta R.T. -0.02 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.5	12.7	19.1
279	24.8	18.7	28.1



#92
Benzo(g,h,i)perylene
Concen: 1.864 ng
RT: 26.34 min Scan# 3971
Delta R.T. -0.03 min
Lab File: BM017193.D
Acq: 18 Oct 2018 15:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.2	18.6	28.0
138	17.6	16.4	24.6

