

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101718\
 Data File : BM017185.D
 Acq On : 18 Oct 2018 10:22
 Operator : MJ/SJ
 Sample : J5164-01
 Misc : LOD 5 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Quant Time: Oct 18 13:05:44 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	191754	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	806490	20.00	ng	0.00
39) Acenaphthene-d10	14.31	164	471829	20.00	ng	0.00
64) Phenanthrene-d10	17.06	188	1119057	20.00	ng	0.00
76) Chrysene-d12	21.25	240	1329997	20.00	ng	-0.01
87) Perylene-d12	23.46	264	1369520	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.28	112	1532943	135.21	ng	0.00
7) Phenol-d6	6.85	99	2008351	130.07	ng	0.00
23) Nitrobenzene-d5	8.82	82	1202058	87.17	ng	-0.01
42) 2,4,6-Tribromophenol	15.81	330	903090	141.53	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	2928033	82.57	ng	0.00
79) Terphenyl-d14	19.70	244	4712663	79.87	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.27	88	22692	3.920	ng	# 76
3) Pyridine	3.66	79	60829	4.566	ng	# 81
4) n-Nitrosodimethylamine	3.57	42	28103	5.255	ng	# 70
6) Aniline	7.01	93	65571	3.395	ng	98
8) 2-Chlorophenol	7.24	128	63160	4.815	ng	94
9) Benzaldehyde	6.83	77	49140	4.991	ng	91
10) Phenol	6.87	94	79458	4.781	ng	93
11) bis(2-Chloroethyl)ether	7.10	93	60565	4.572	ng	99
12) 1,3-Dichlorobenzene	7.56	146	70525	4.613	ng	95
13) 1,4-Dichlorobenzene	7.70	146	72044	4.612	ng	95
14) 1,2-Dichlorobenzene	8.02	146	71412	4.745	ng	97
15) Benzyl Alcohol	7.92	79	51050	4.523	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.20	45	80079	4.327	ng	98
17) 2-Methylphenol	8.11	107	48399	4.537	ng	95
18) Hexachloroethane	8.73	117	24800	4.639	ng	95
19) n-Nitroso-di-n-propylamine	8.47	70	45042	4.430	ng	94
20) 3+4-Methylphenols	8.43	107	64305	4.408	ng	96
22) Acetophenone	8.49	105	94287	4.612	ng	# 98
24) Nitrobenzene	8.86	77	71600	4.909	ng	92
25) Isophorone	9.39	82	116541	5.118	ng	97
26) 2-Nitrophenol	9.57	139	25656	9.015	ng	# 91
27) 2,4-Dimethylphenol	9.63	122	53481	5.312	ng	96
28) bis(2-Chloroethoxy)methane	9.87	93	76344	4.763	ng	97
29) 2,4-Dichlorophenol	10.10	162	51418	4.398	ng	99
30) 1,2,4-Trichlorobenzene	10.31	180	64984	4.634	ng	97
31) Naphthalene	10.49	128	198443	5.021	ng	98
32) Benzoic acid	9.69	122	15211	2.025	ng	89
33) 4-Chloroaniline	10.62	127	57683	3.379	ng	# 96
34) Hexachlorobutadiene	10.77	225	41327	4.651	ng	98
35) Caprolactam	11.39	113	13553	3.181	ng	94
36) 4-Chloro-3-methylphenol	11.74	107	57128	4.335	ng	96
37) 2-Methylnaphthalene	12.11	142	144791	5.354	ng	95
38) 1-Methylnaphthalene	12.33	142	137135	5.210	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.48	216	74103	4.460	ng	98

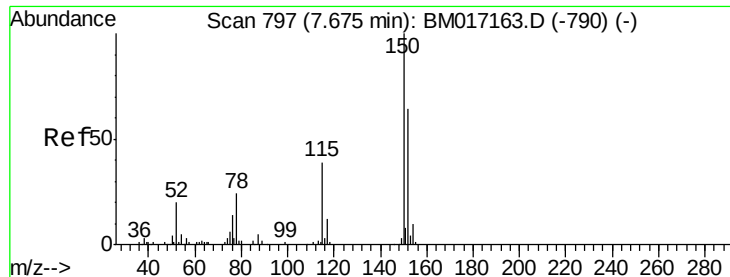
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101718\
 Data File : BM017185.D
 Acq On : 18 Oct 2018 10:22
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 QLast Update : Wed Oct 17 14:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.46	237	45205	5.628	ng	94
43) 2,4,6-Trichlorophenol	12.73	196	40719	4.221	ng	94
44) 2,4,5-Trichlorophenol	12.80	196	46811	4.526	ng	# 93
46) 1,1'-Biphenyl	13.14	154	189382	4.460	ng	94
47) 2-Chloronaphthalene	13.17	162	143647	4.599	ng	97
48) 2-Nitroaniline	13.39	65	33133	8.997	ng	94
49) Acenaphthylene	14.03	152	219063	4.838	ng	99
50) Dimethylphthalate	13.77	163	180844	4.968	ng	98
51) 2,6-Dinitrotoluene	13.89	165	33004	4.119	ng	90
52) Acenaphthene	14.37	154	137240	4.828	ng	98
53) 3-Nitroaniline	14.23	138	26655	3.072	ng	98
54) 2,4-Dinitrophenol	14.43	184	13501	10.803	ng	96
55) Dibenzofuran	14.71	168	228359	4.830	ng	98
56) 4-Nitrophenol	14.54	139	24157	7.591	ng	86
57) 2,4-Dinitrotoluene	14.69	165	41597	3.863	ng	# 93
58) Fluorene	15.36	166	179266	5.123	ng	96
59) 2,3,4,6-Tetrachlorophenol	14.94	232	46052	4.884	ng	99
60) Diethylphthalate	15.14	149	174969	4.847	ng	99
61) 4-Chlorophenyl-phenylether	15.36	204	96805	4.853	ng	96
62) 4-Nitroaniline	15.39	138	31342	7.671	ng	89
63) Azobenzene	15.66	77	156443	4.458	ng	98
65) 4,6-Dinitro-2-methylphenol	15.45	198	21964	9.613	ng	97
66) n-Nitrosodiphenylamine	15.58	169	154446	4.562	ng	99
67) 4-Bromophenyl-phenylether	16.26	248	58780	4.784	ng	95
68) Hexachlorobenzene	16.36	284	67005	4.695	ng	97
69) Atrazine	16.53	200	51248	4.229	ng	99
70) Pentachlorophenol	16.71	266	28940	2.960	ng	97
71) Phenanthrene	17.10	178	309330	5.123	ng	98
72) Anthracene	17.19	178	286827	5.000	ng	99
73) Carbazole	17.47	167	252449	4.308	ng	99
74) Di-n-butylphthalate	18.04	149	252769	4.090	ng	99
75) Fluoranthene	19.12	202	340574	5.013	ng	99
77) Benzidine	19.32	184	75847	2.249	ng	99
78) Pyrene	19.49	202	355973	4.789	ng	98
80) Butylbenzylphthalate	20.40	149	107116	10.397	ng	92
81) Benzo(a)anthracene	21.24	228	371189	4.959	ng	99
82) 3,3'-Dichlorobenzidine	21.18	252	85786	3.075	ng	99
83) Chrysene	21.29	228	375133	5.064	ng	99
84) Bis(2-ethylhexyl)phthalate	21.18	149	157905	8.553	ng	100
85) Di-n-octyl phthalate	22.05	149	269088	8.816	ng	98
86) Indeno(1,2,3-cd)pyrene	25.67	276	420567	5.076	ng	98
88) Benzo(b)fluoranthene	22.80	252	367489	4.908	ng	99
89) Benzo(k)fluoranthene	22.84	252	371798	4.949	ng	96
90) Benzo(a)pyrene	23.37	252	351822	4.949	ng	99
91) Dibenzo(a,h)anthracene	25.69	278	358116	5.073	ng	97
92) Benzo(g,h,i)perylene	26.34	276	359999	5.145	ng	98

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

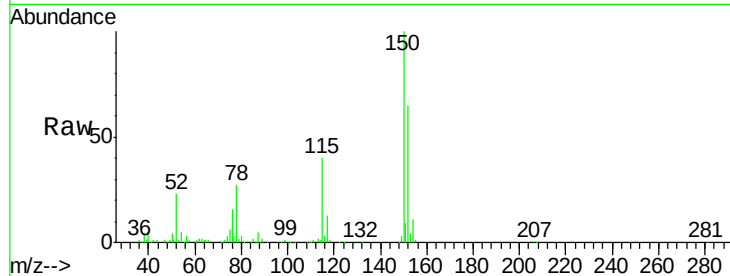


#1

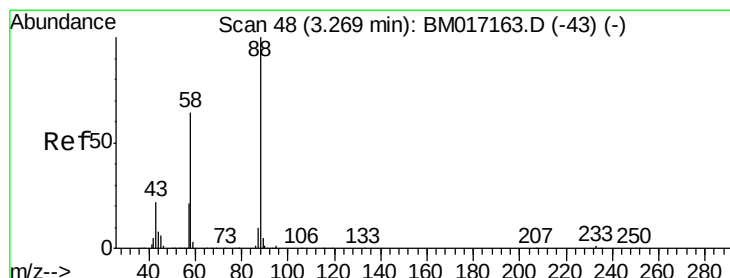
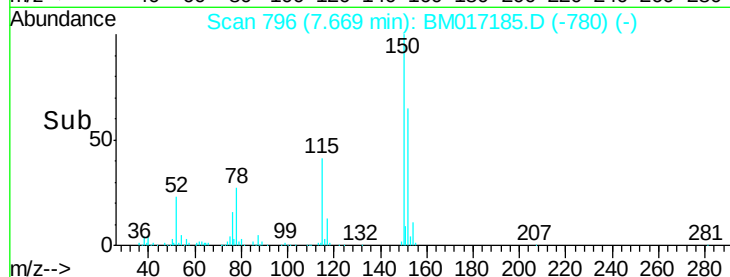
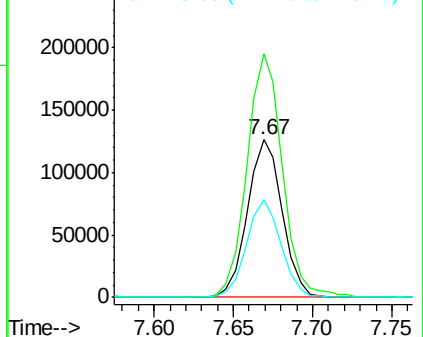
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.67 min Scan# 796
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:152 Resp: 191754
Ion Ratio Lower Upper
152 100
150 154.7 124.3 186.5
115 62.5 48.1 72.1



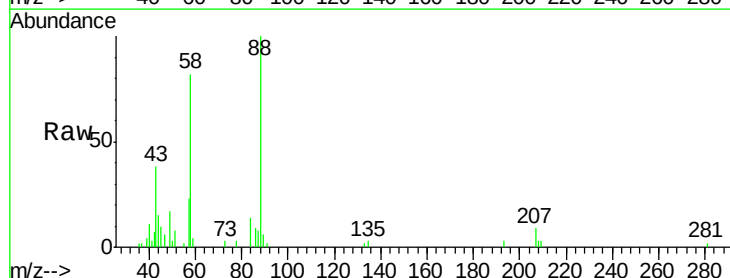
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



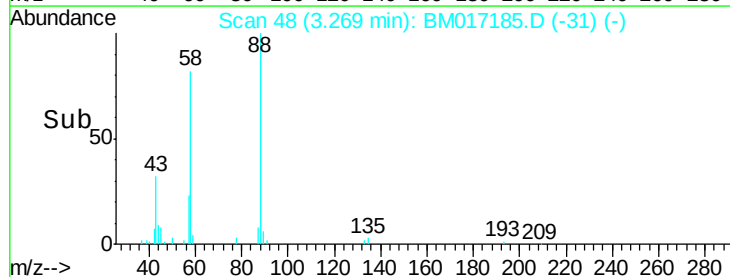
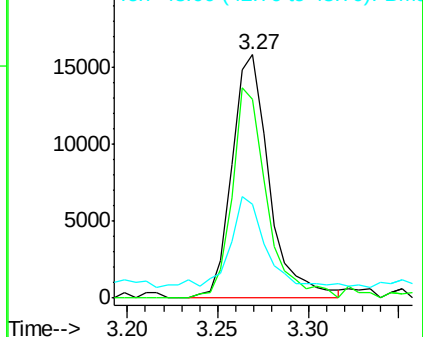
#2

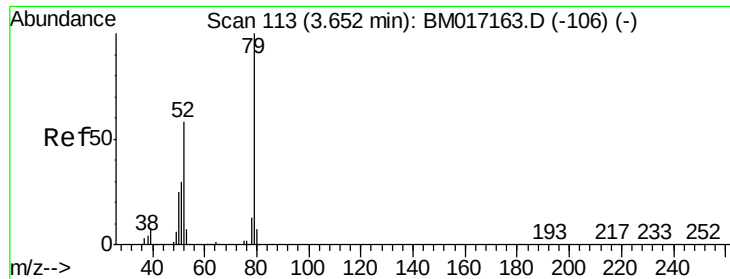
1,4-Dioxane
Concen: 3.920 ng
RT: 3.27 min Scan# 48
Delta R.T. -0.00 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

Tgt Ion: 88 Resp: 22692
Ion Ratio Lower Upper
88 100
58 80.4 50.2 75.4#
43 36.8 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: 4.566 ng

RT: 3.66 min Scan# 114

Delta R.T. 0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

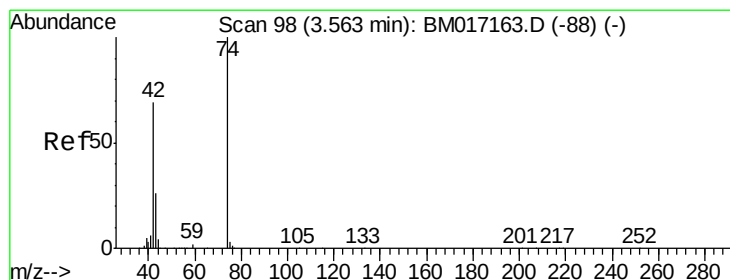
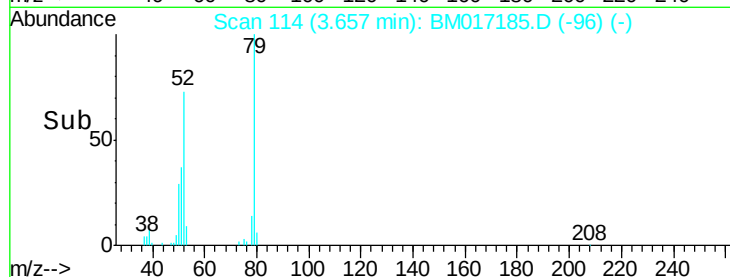
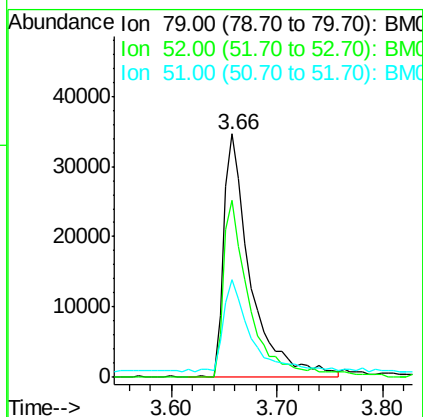
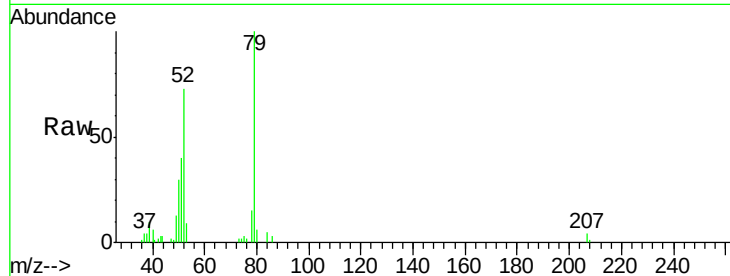
Tgt Ion: 79 Resp: 60829

Ion Ratio Lower Upper

79 100

52 72.8 46.5 69.7#

51 40.2 24.6 37.0#



#4

n-Nitrosodimethylamine

Concen: 5.255 ng

RT: 3.57 min Scan# 99

Delta R.T. 0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

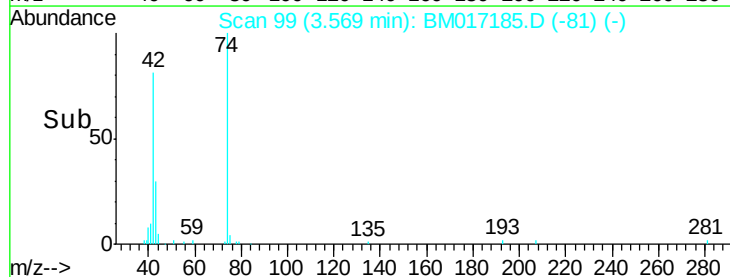
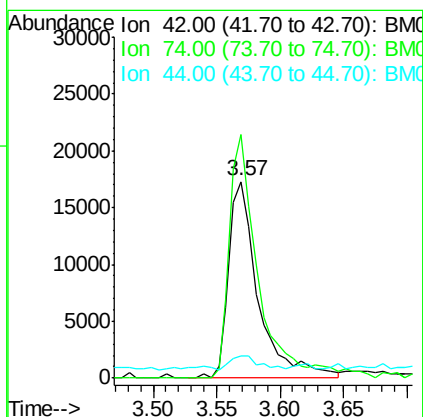
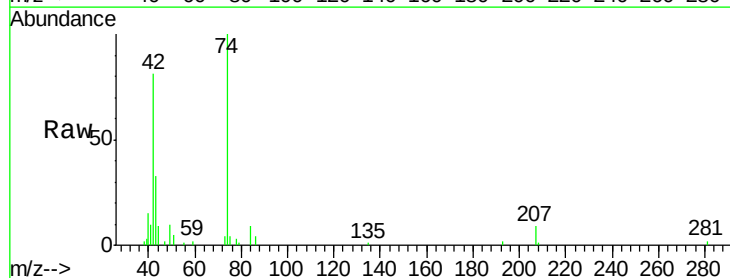
Tgt Ion: 42 Resp: 28103

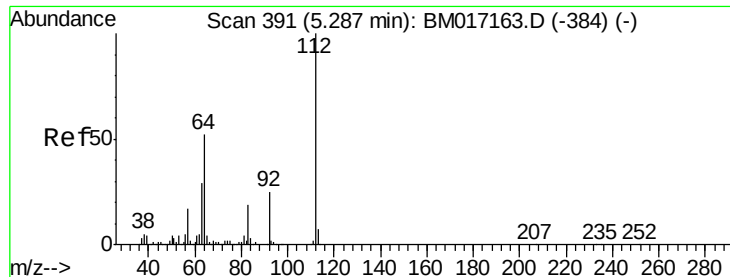
Ion Ratio Lower Upper

42 100

74 123.7 114.4 171.6

44 11.5 48.6 73.0#





#5

2-Fluorophenol

Concen: 135.211 ng

RT: 5.28 min Scan# 390

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

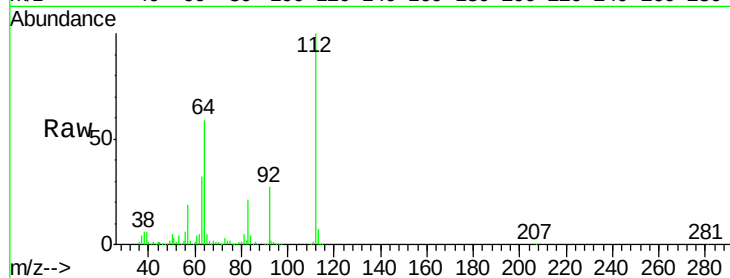
Tgt Ion: 112 Resp: 1532943

Ion Ratio Lower Upper

112 100

64 59.2 41.7 62.5

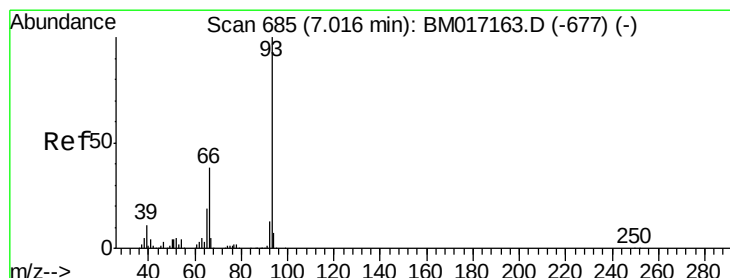
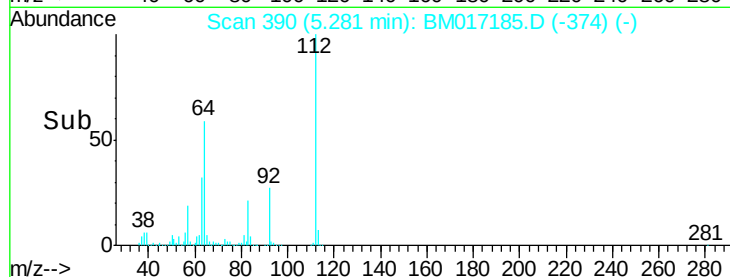
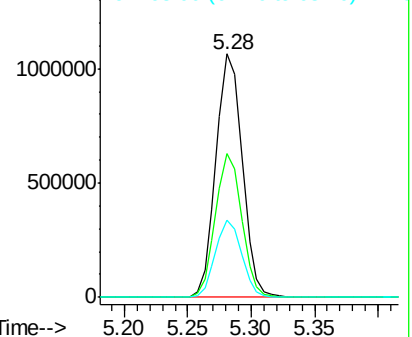
63 31.6 23.0 34.4



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: 3.395 ng

RT: 7.01 min Scan# 684

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

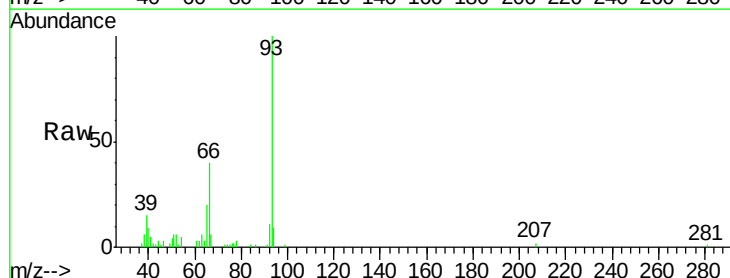
Tgt Ion: 93 Resp: 65571

Ion Ratio Lower Upper

93 100

66 39.6 30.4 45.6

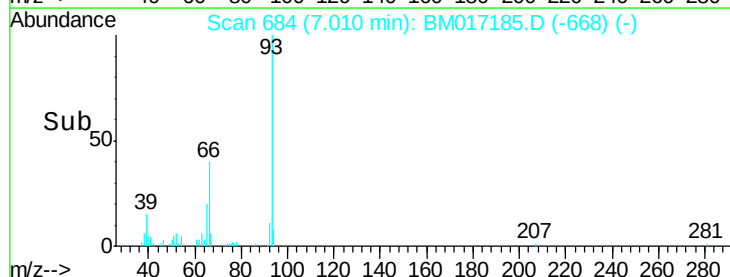
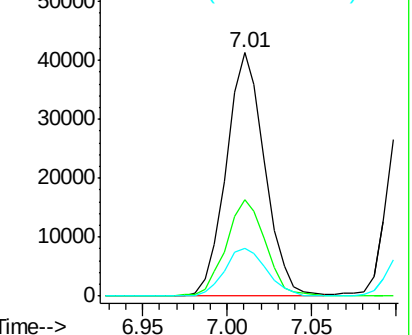
65 19.6 15.3 22.9

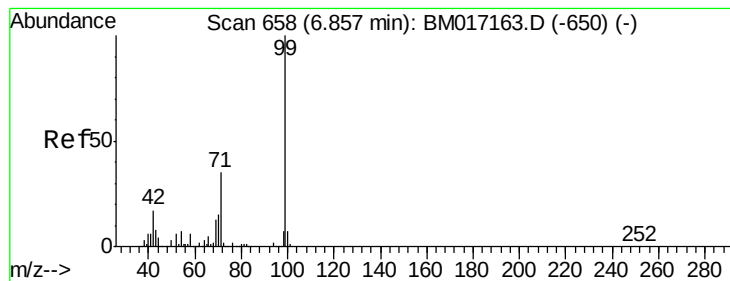


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

Ion 65.00 (64.70 to 65.70): BM0





#7

Phenol-d6

Concen: 130.067 ng

RT: 6.85 min Scan# 657

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

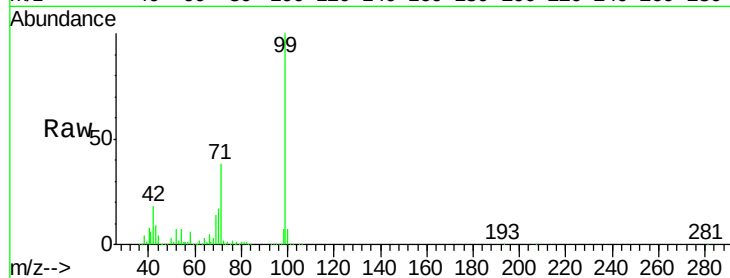
Tgt Ion: 99 Resp: 2008351

Ion Ratio Lower Upper

99 100

42 18.3 13.3 19.9

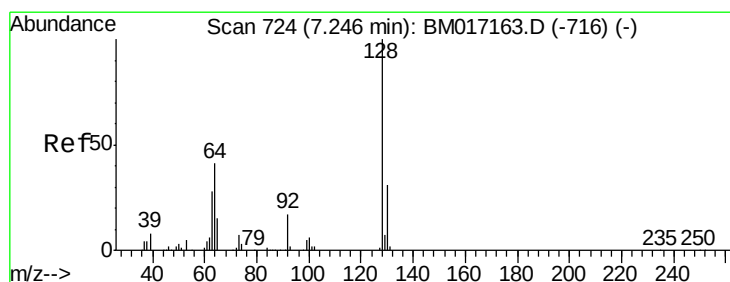
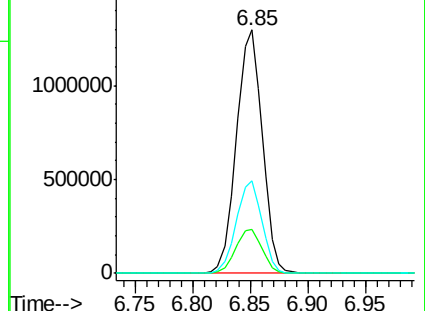
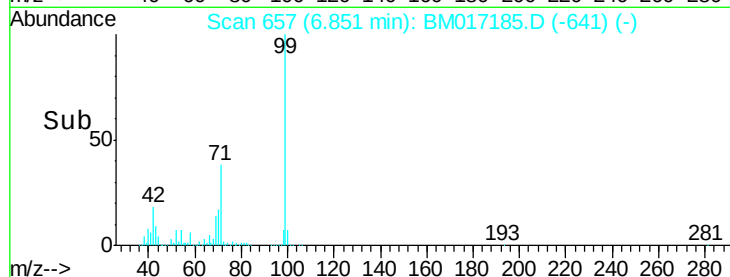
71 37.9 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM017163.D (-650) (-)

Ion 42.00 (41.70 to 42.70): BM017163.D (-650) (-)

Ion 71.00 (70.70 to 71.70): BM017163.D (-650) (-)



#8

2-Chlorophenol

Concen: 4.815 ng

RT: 7.24 min Scan# 723

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

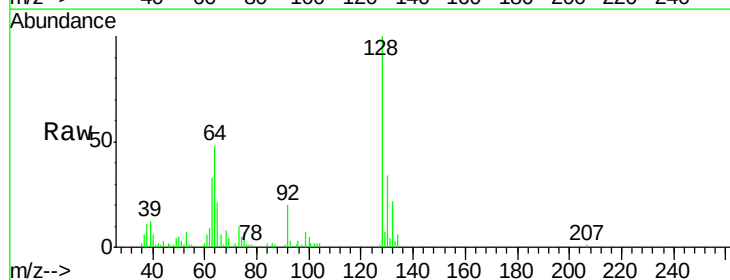
Tgt Ion: 128 Resp: 63160

Ion Ratio Lower Upper

128 100

130 34.1 11.0 51.0

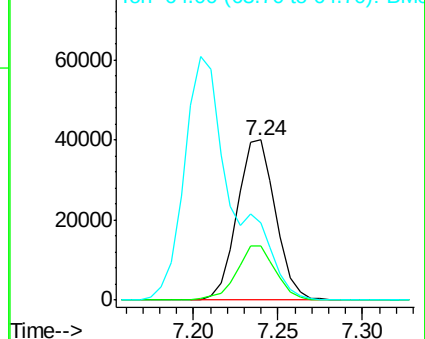
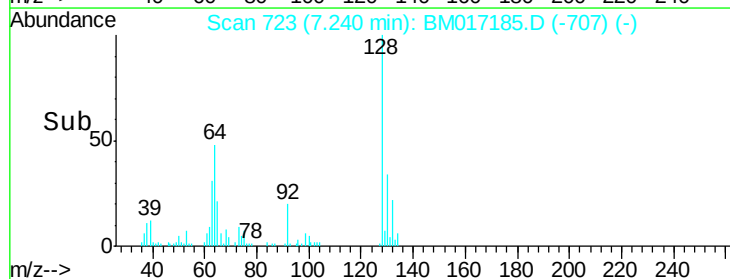
64 48.2 24.1 64.1

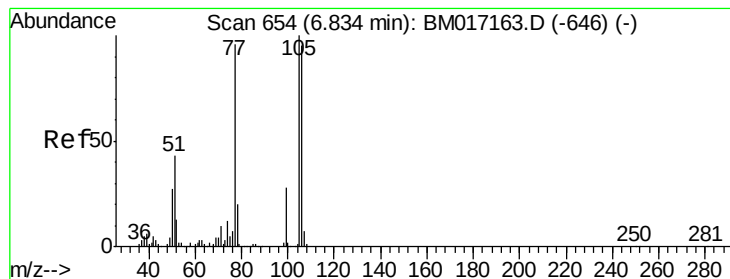


Abundance Ion 128.00 (127.70 to 128.70): BM017163.D (-716) (-)

Ion 130.00 (129.70 to 130.70): BM017163.D (-716) (-)

Ion 64.00 (63.70 to 64.70): BM017163.D (-716) (-)





#9

Benzaldehyde

Concen: 4.991 ng

RT: 6.83 min Scan# 653

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

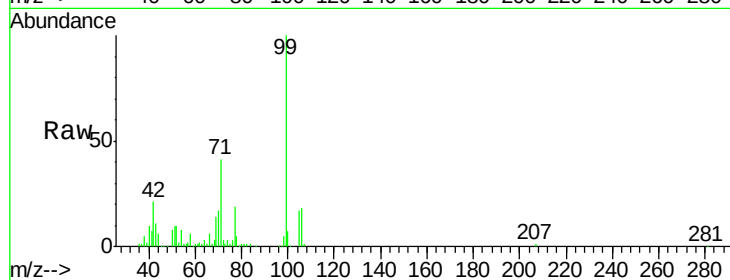
Tgt Ion: 77 Resp: 49140

Ion Ratio Lower Upper

77 100

105 89.0 83.9 123.9

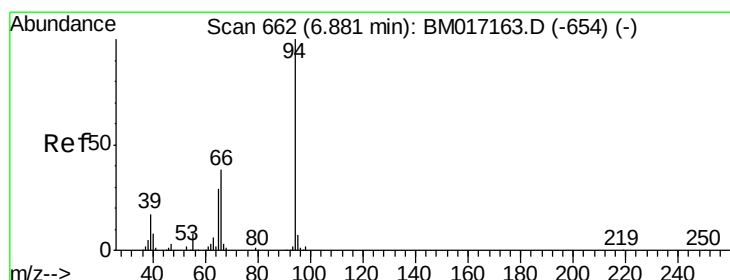
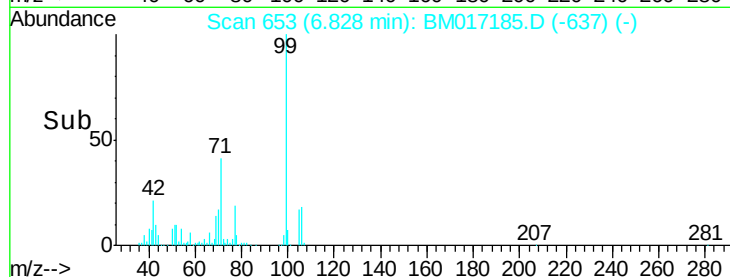
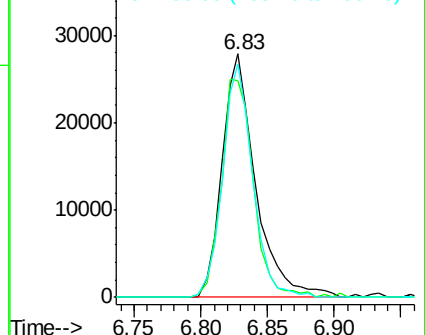
106 96.0 78.2 118.2



Abundance Ion 77.00 (76.70 to 77.70): BM017163.D (-646) (-)

Ion 105.00 (104.70 to 105.70): BM017163.D (-646) (-)

Ion 106.00 (105.70 to 106.70): BM017163.D (-646) (-)



#10

Phenol

Concen: 4.781 ng

RT: 6.87 min Scan# 661

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

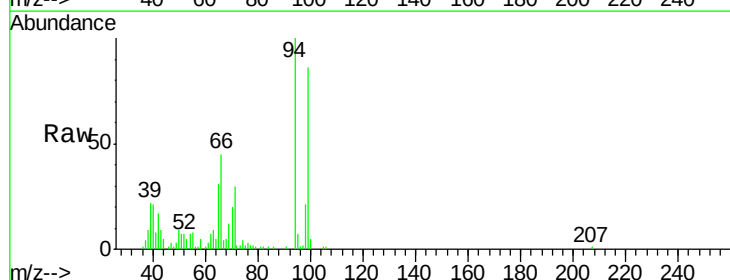
Tgt Ion: 94 Resp: 79458

Ion Ratio Lower Upper

94 100

65 30.8 9.4 49.4

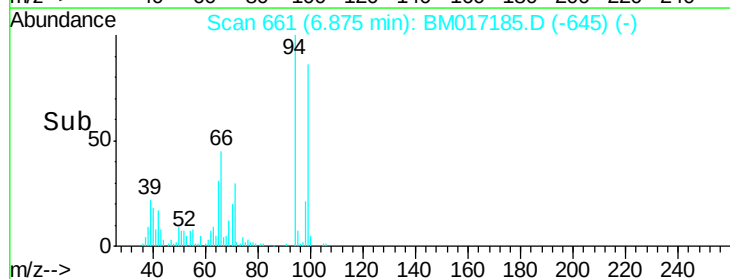
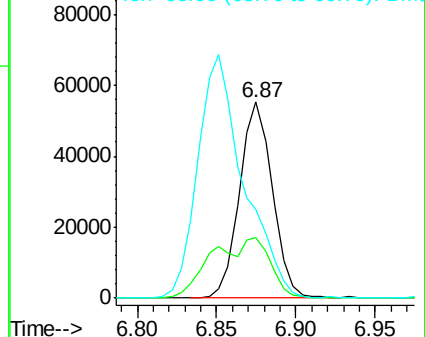
66 45.0 19.0 59.0

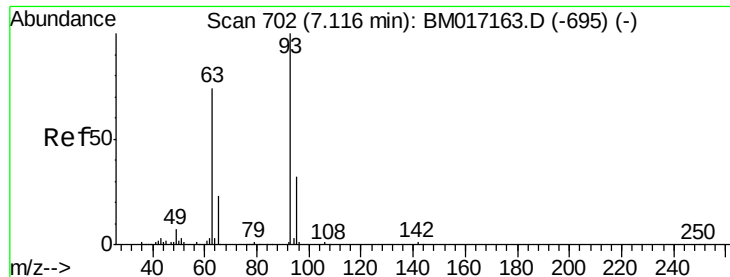


Abundance Ion 94.00 (93.70 to 94.70): BM017163.D (-654) (-)

Ion 65.00 (64.70 to 65.70): BM017163.D (-654) (-)

Ion 66.00 (65.70 to 66.70): BM017163.D (-654) (-)

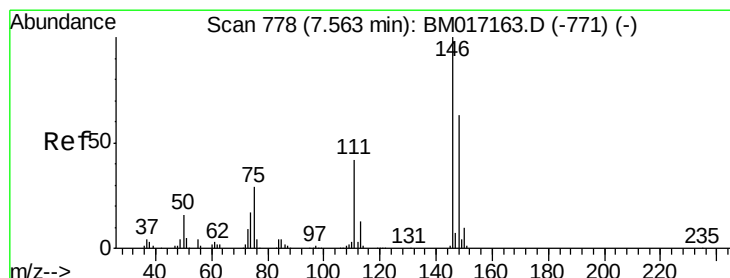
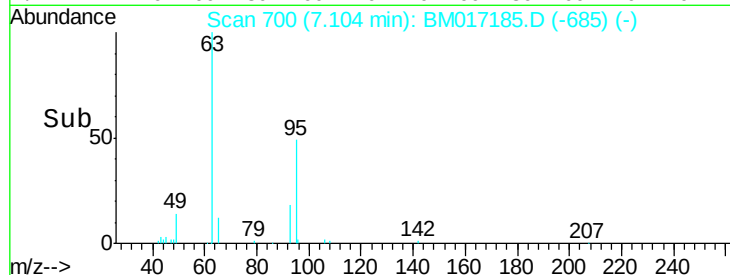
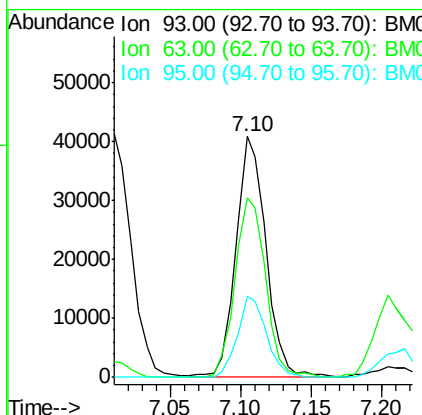
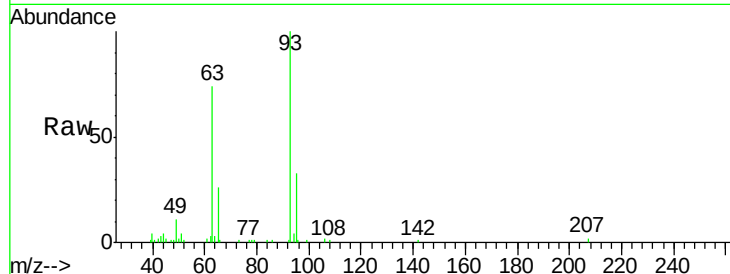




#11
bis(2-Chloroethyl)ether
Concen: 4.572 ng
RT: 7.10 min Scan# 700
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

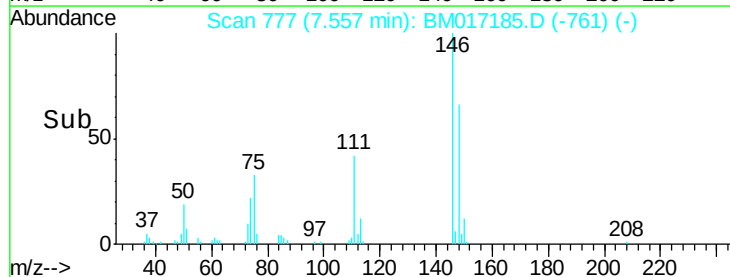
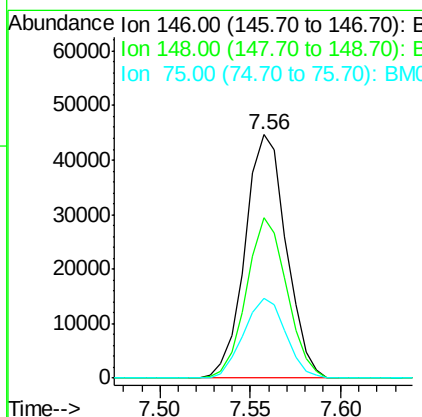
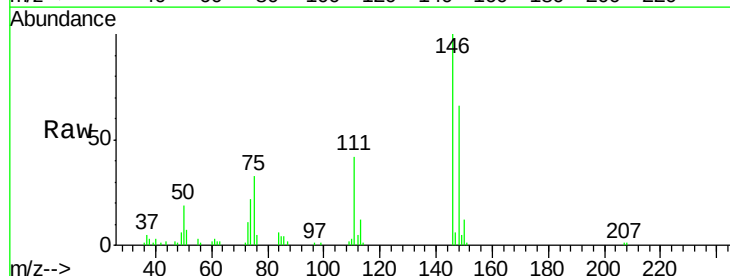
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

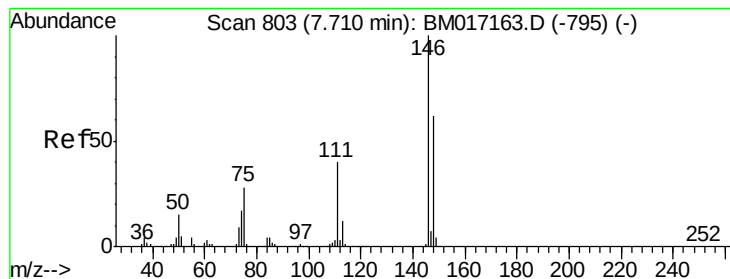
Tgt Ion: 93 Resp: 60565
Ion Ratio Lower Upper
93 100
63 74.5 54.0 94.0
95 33.5 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 4.613 ng
RT: 7.56 min Scan# 777
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

Tgt Ion: 146 Resp: 70525
Ion Ratio Lower Upper
146 100
148 65.9 50.2 75.4
75 32.9 23.3 34.9





#13

1,4-Dichlorobenzene

Concen: 4.612 ng

RT: 7.70 min Scan# 802

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

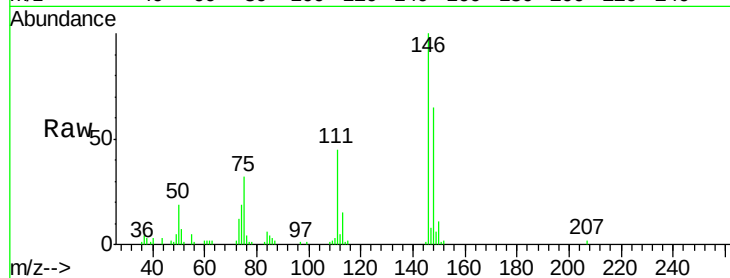
Tgt Ion:146 Resp: 72044

Ion Ratio Lower Upper

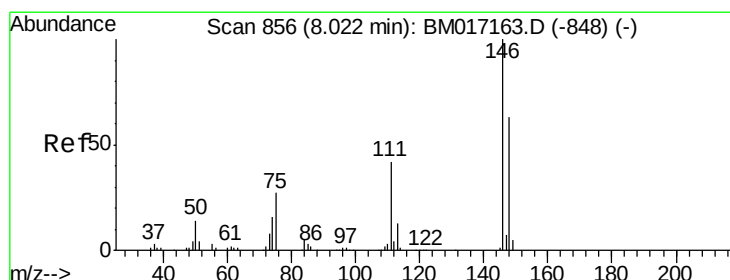
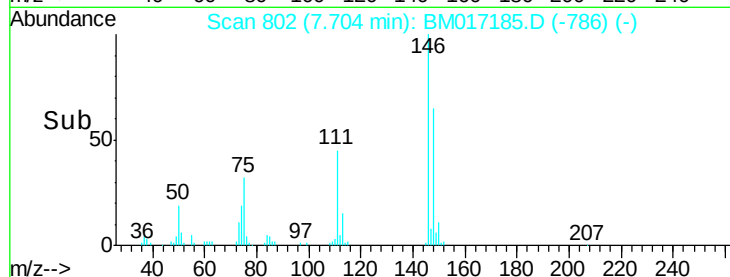
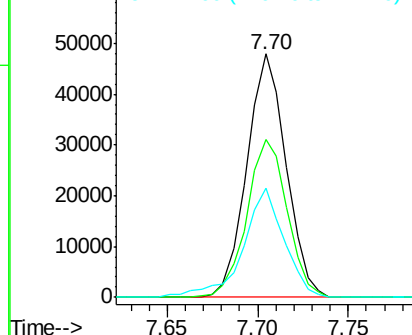
146 100

148 64.6 49.8 74.6

111 44.9 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: 4.745 ng

RT: 8.02 min Scan# 855

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

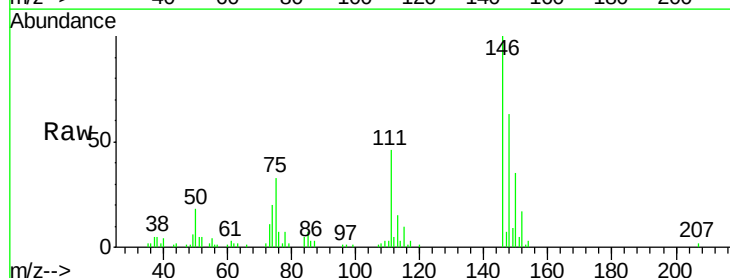
Tgt Ion:146 Resp: 71412

Ion Ratio Lower Upper

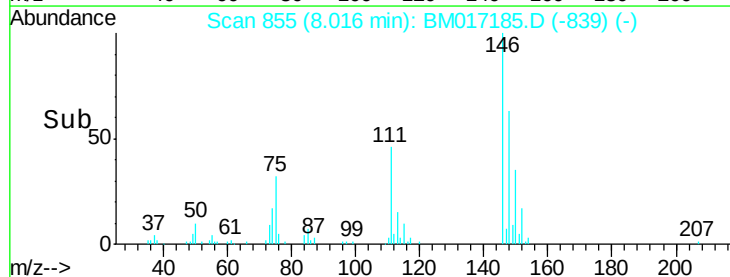
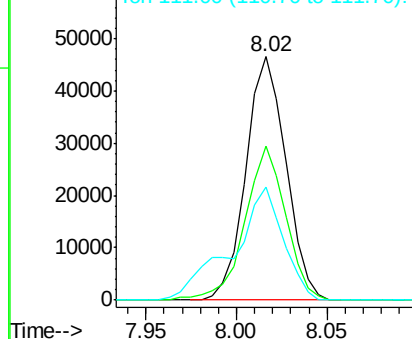
146 100

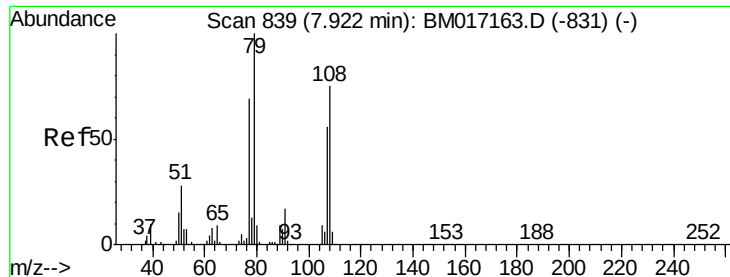
148 63.0 50.8 76.2

111 46.3 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: 4.523 ng

RT: 7.92 min Scan# 838

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

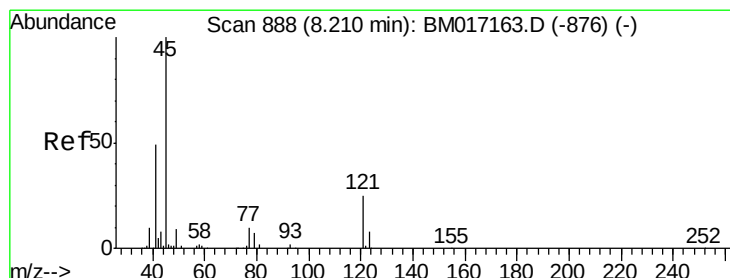
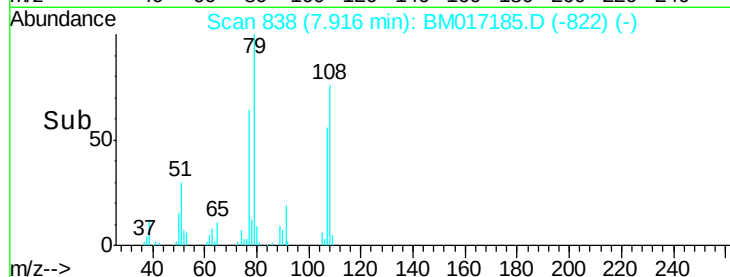
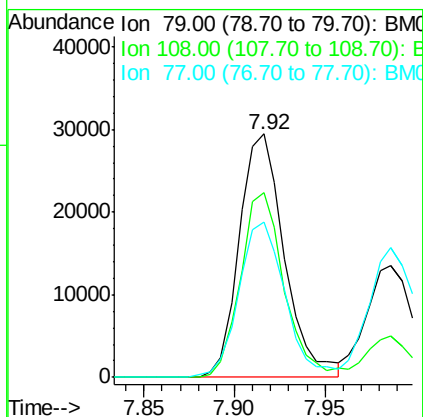
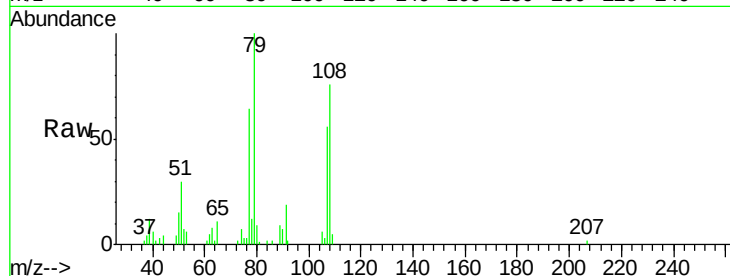
Tgt Ion: 79 Resp: 51050

Ion Ratio Lower Upper

79 100

108 75.9 60.3 90.5

77 63.8 54.8 82.2



#16

2,2'-oxybis(1-chloropropane)

Concen: 4.327 ng

RT: 8.20 min Scan# 887

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

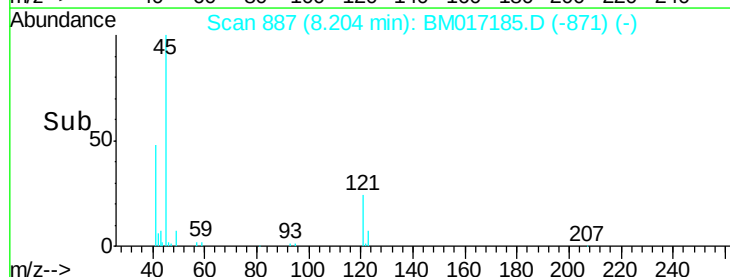
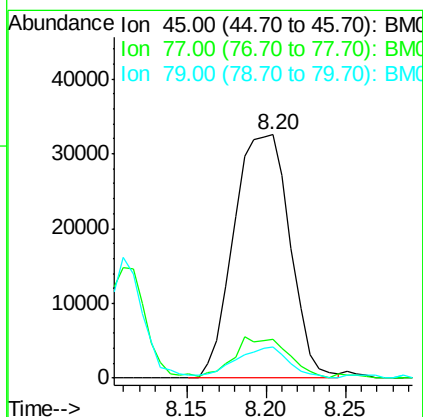
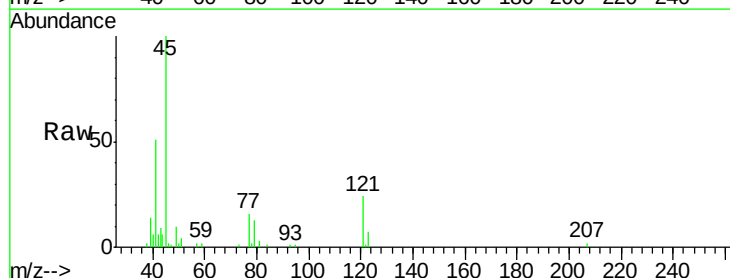
Tgt Ion: 45 Resp: 80079

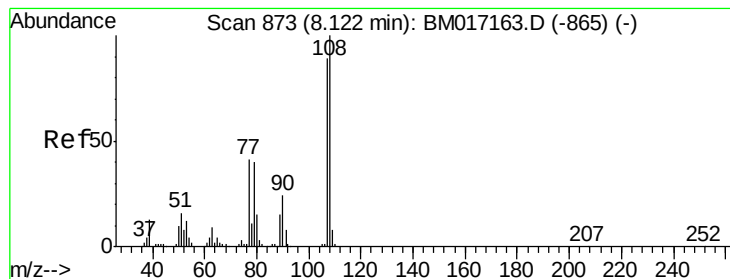
Ion Ratio Lower Upper

45 100

77 16.0 0.0 35.5

79 12.8 0.0 32.1





#17

2-Methylphenol

Concen: 4.537 ng

RT: 8.11 min Scan# 871

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:107 Resp: 48399

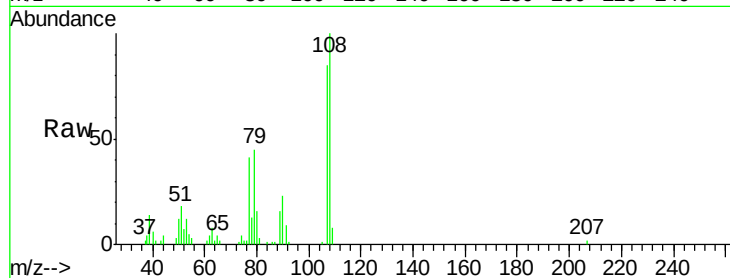
Ion Ratio Lower Upper

107 100

108 117.1 90.3 135.5

77 47.7 37.0 55.4

79 52.2 35.8 53.6



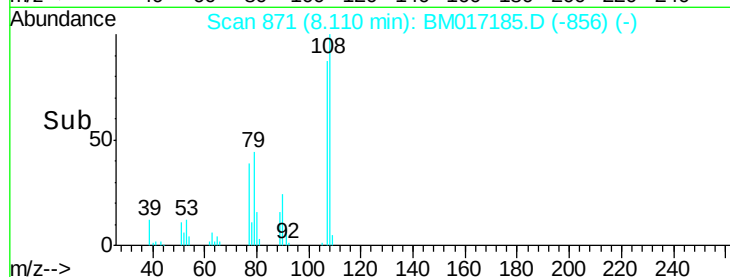
Abundance Ion 107.00 (106.70 to 107.70): E

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-->



Abundance

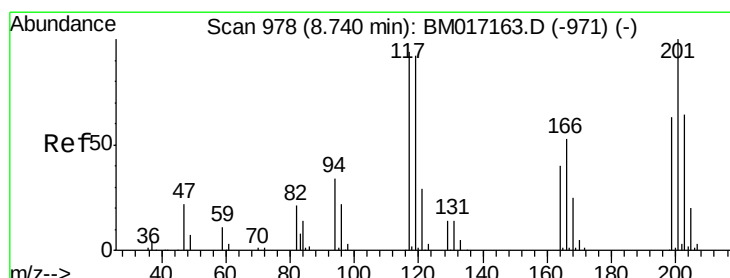
Ion 107.00 (106.70 to 107.70): E

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: 4.639 ng

RT: 8.73 min Scan# 977

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

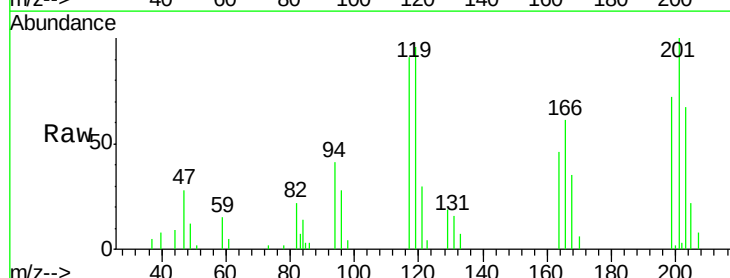
Tgt Ion:117 Resp: 24800

Ion Ratio Lower Upper

117 100

119 105.3 78.2 117.2

201 110.0 85.3 127.9

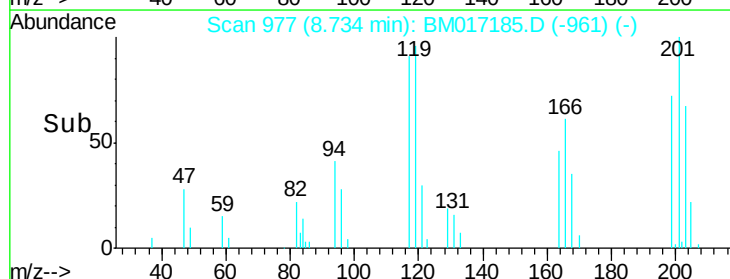


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

Time-->



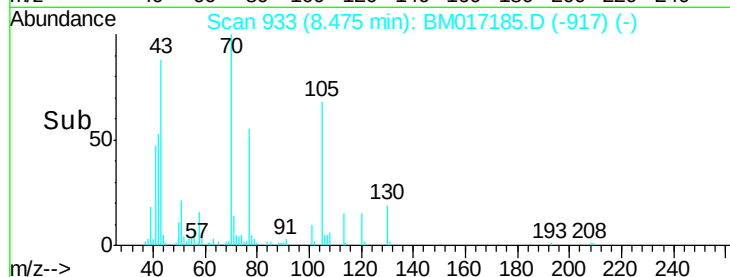
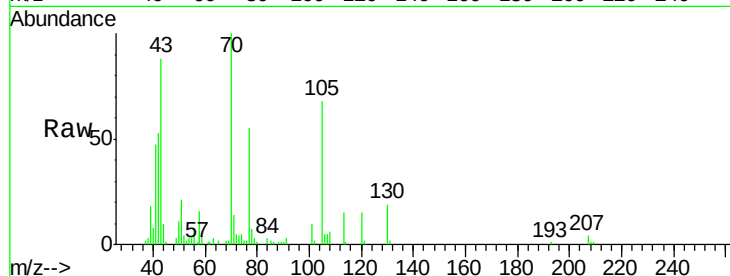
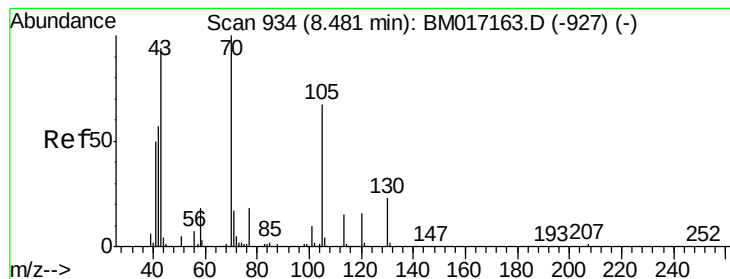
Abundance

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: 4.430 ng

RT: 8.47 min Scan# 933

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 70 Resp: 45042

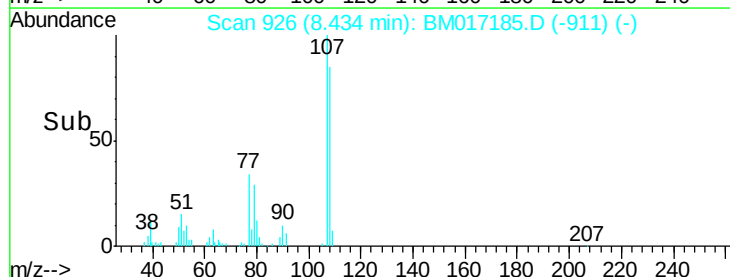
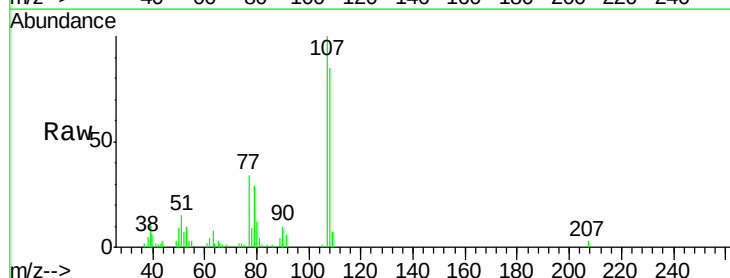
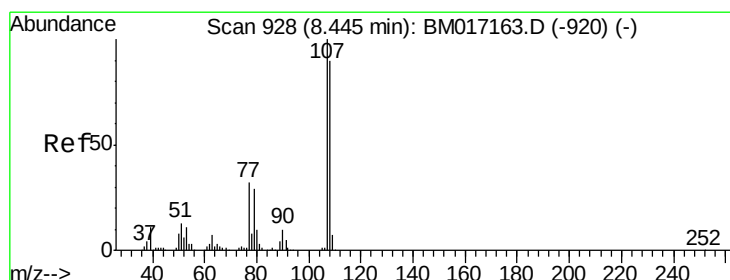
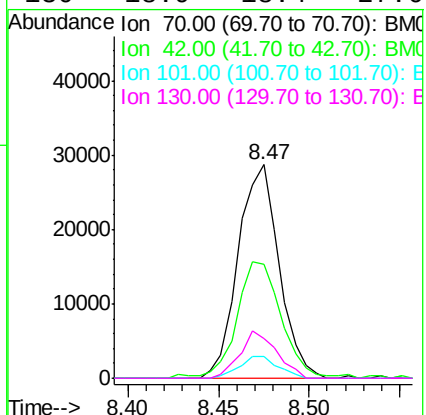
Ion Ratio Lower Upper

70 100

42 53.4 46.1 69.1

101 10.0 8.2 12.4

130 18.9 18.4 27.6



#20

3+4-Methylphenols

Concen: 4.408 ng

RT: 8.43 min Scan# 926

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Tgt Ion: 107 Resp: 64305

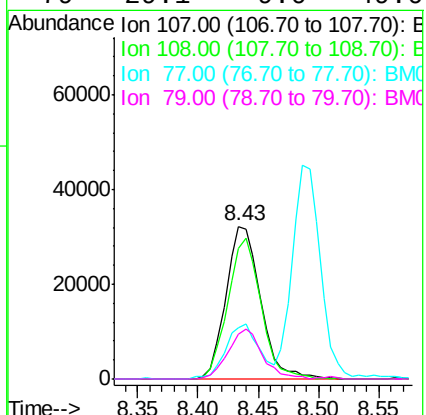
Ion Ratio Lower Upper

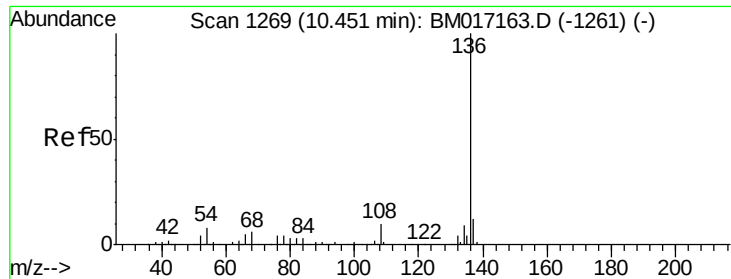
107 100

108 85.2 69.9 109.9

77 33.8 12.2 52.2

79 29.1 9.0 49.0

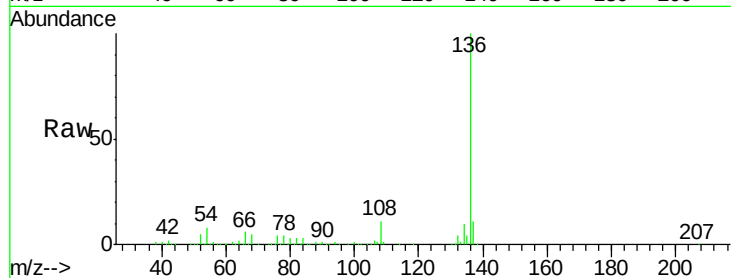




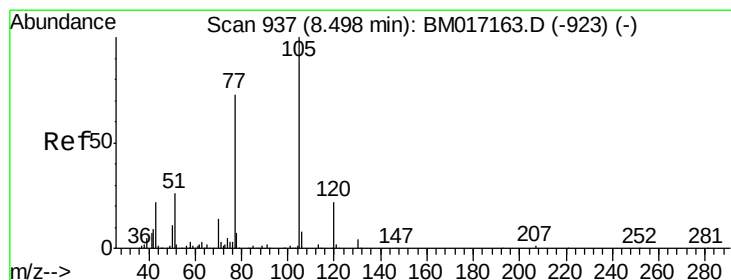
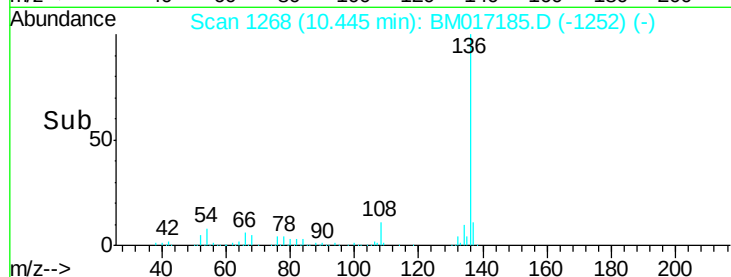
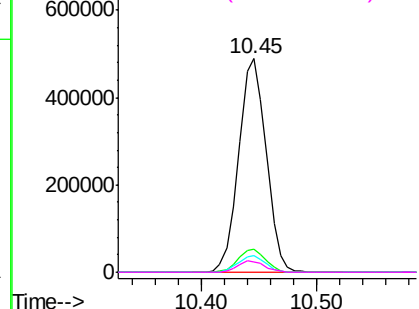
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.45 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	136	Resp:	806490
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	7.8	6.7	10.1
68	4.9	4.7	7.1

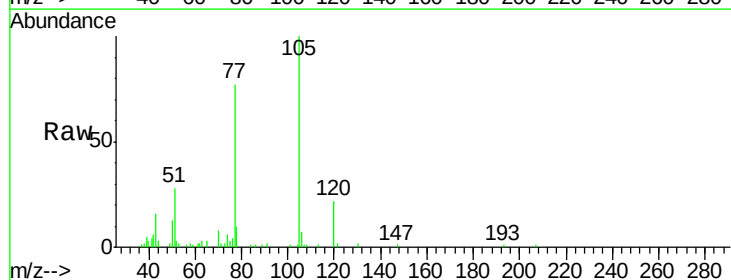


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

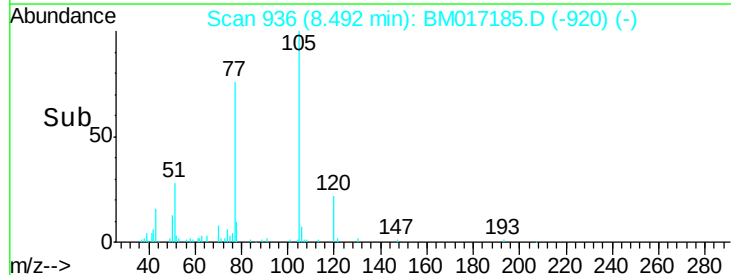
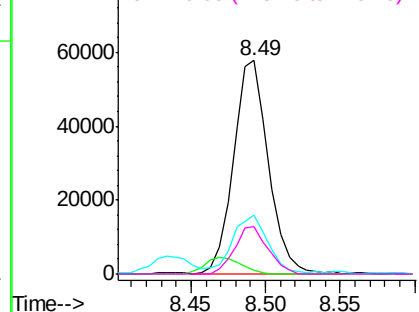


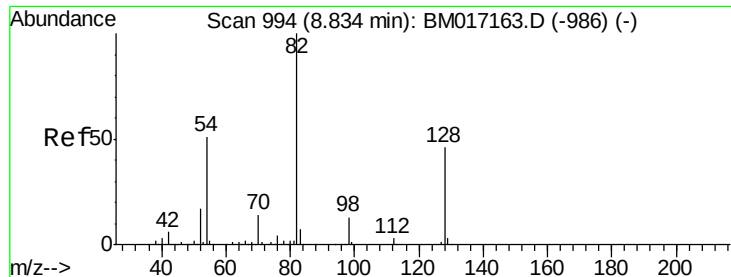
#22
Acetophenone
Concen: 4.612 ng
RT: 8.49 min Scan# 936
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

Tgt Ion:	105	Resp:	94287
Ion	Ratio	Lower	Upper
105	100		
71	1.7	2.0	3.0#
51	27.7	20.6	31.0
120	22.2	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

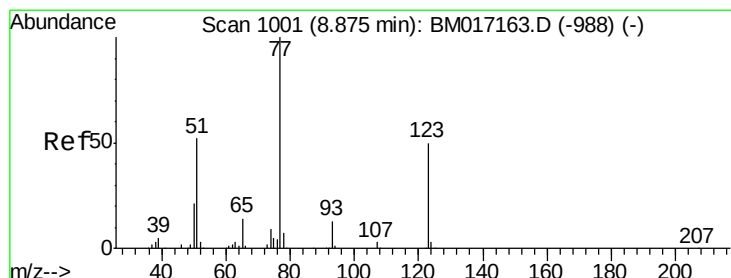
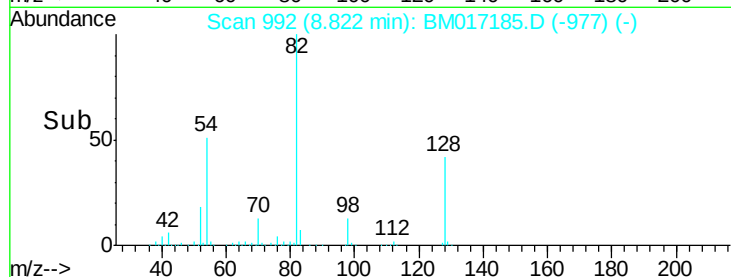
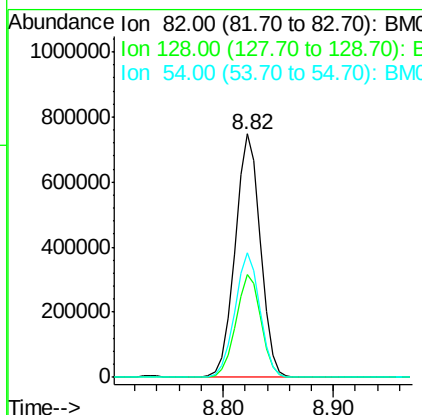
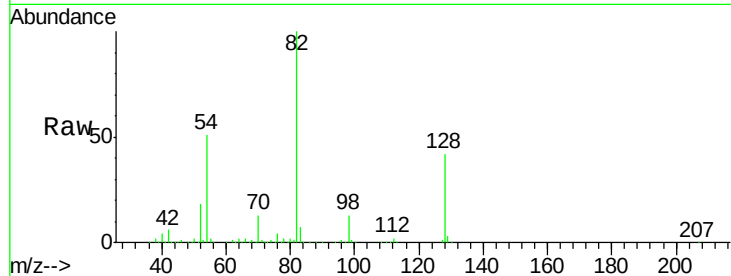




#23
 Nitrobenzene-d5
 Concen: 87.172 ng
 RT: 8.82 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: BM017185.D
 Acq: 18 Oct 2018 10:22

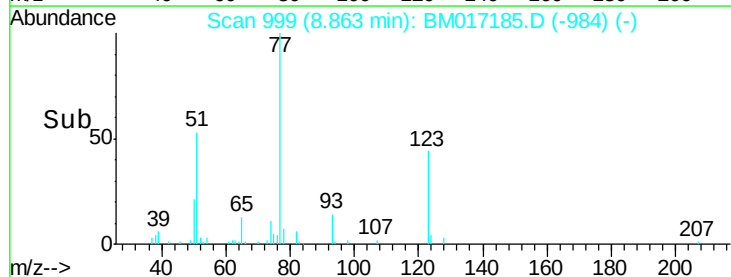
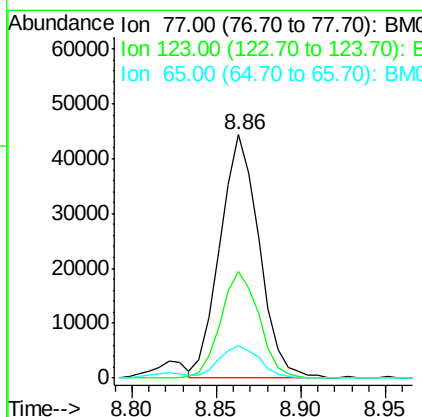
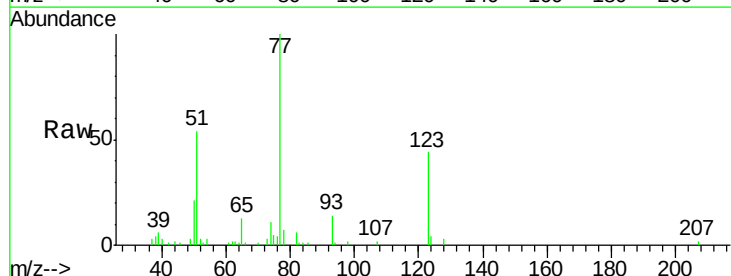
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

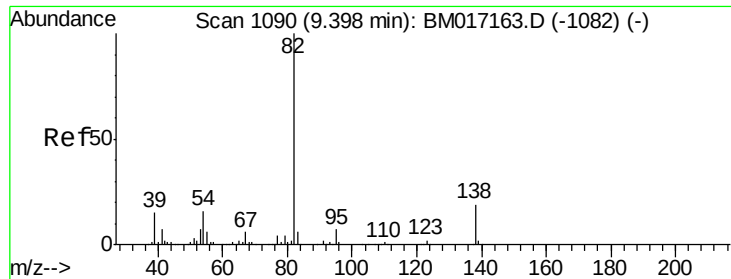
Tgt Ion: 82 Resp: 1202058
 Ion Ratio Lower Upper
 82 100
 128 42.0 37.0 55.6
 54 51.1 40.7 61.1



#24
 Nitrobenzene
 Concen: 4.909 ng
 RT: 8.86 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: BM017185.D
 Acq: 18 Oct 2018 10:22

Tgt Ion: 77 Resp: 71600
 Ion Ratio Lower Upper
 77 100
 123 44.0 40.2 60.4
 65 13.5 11.4 17.0





#25

Isophorone

Concen: 5.118 ng

RT: 9.39 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

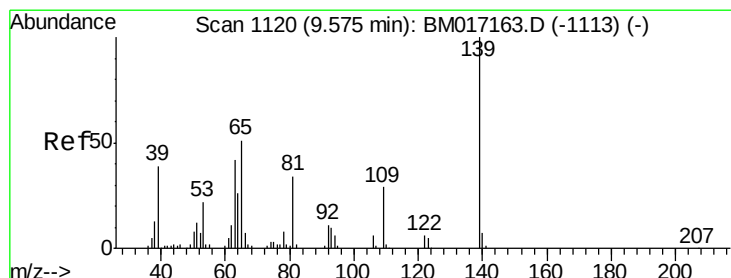
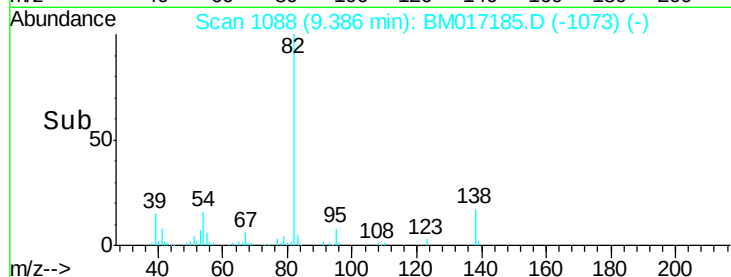
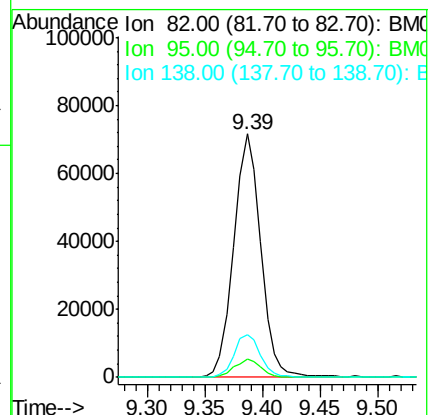
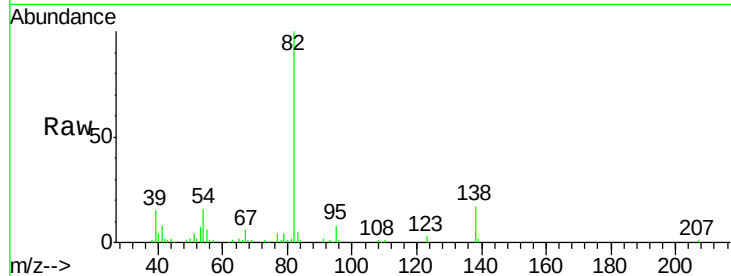
Tgt Ion: 82 Resp: 116541

Ion Ratio Lower Upper

82 100

95 7.6 6.0 9.0

138 17.4 15.4 23.2



#26

2-Nitrophenol

Concen: 9.015 ng

RT: 9.57 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

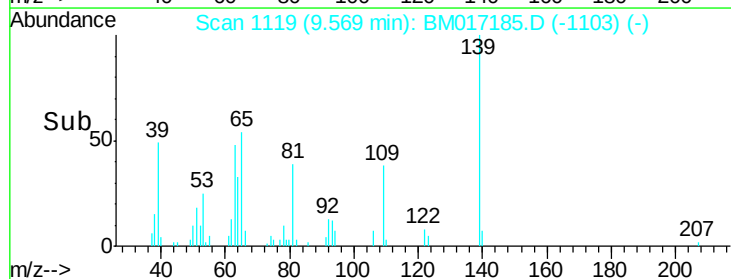
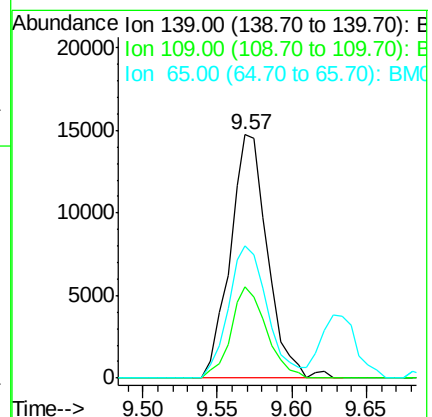
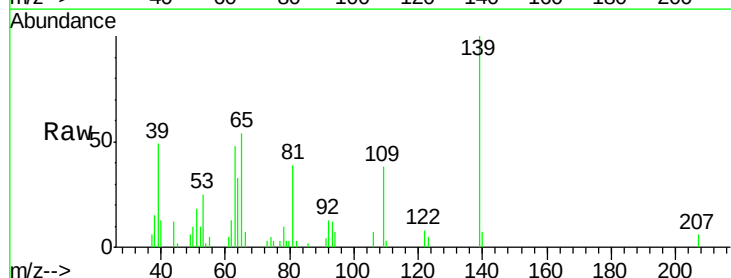
Tgt Ion: 139 Resp: 25656

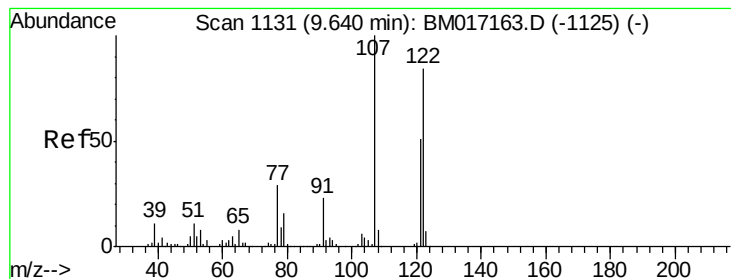
Ion Ratio Lower Upper

139 100

109 37.6 23.2 34.8#

65 54.5 40.6 61.0





#27

2,4-Dimethylphenol

Concen: 5.312 ng

RT: 9.63 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

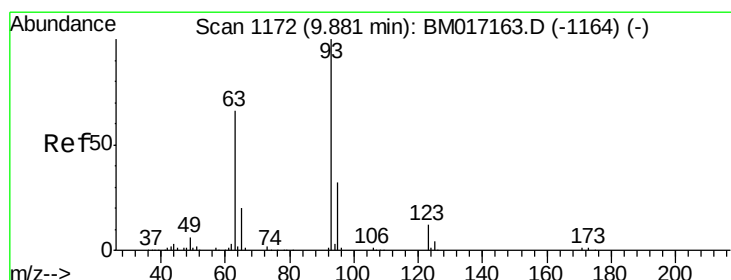
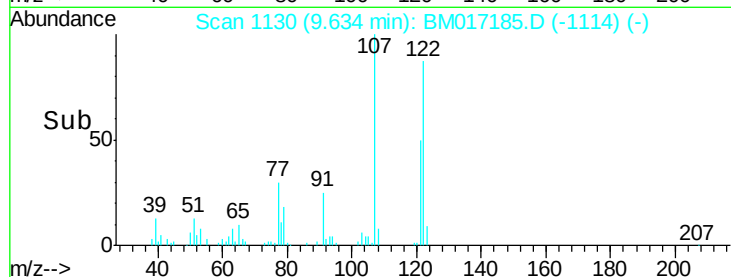
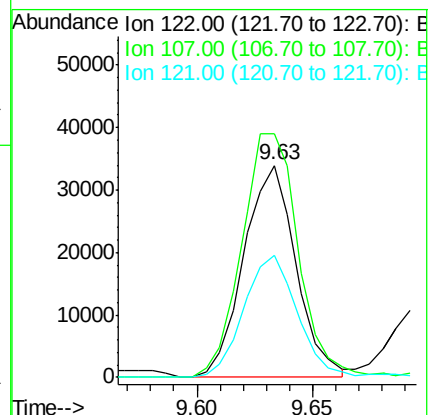
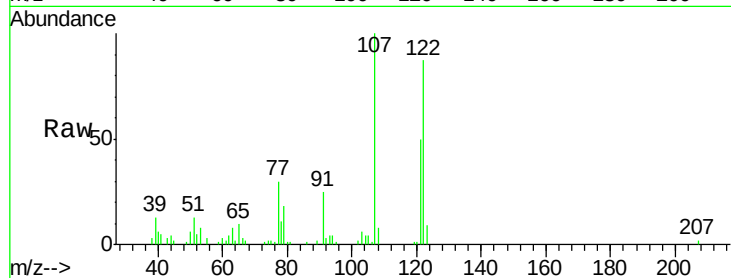
Tgt Ion:122 Resp: 53481

Ion Ratio Lower Upper

122 100

107 114.9 95.0 142.6

121 57.4 48.2 72.4



#28

bis(2-Chloroethoxy)methane

Concen: 4.763 ng

RT: 9.87 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

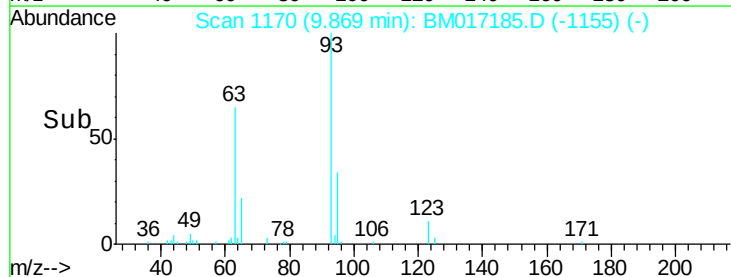
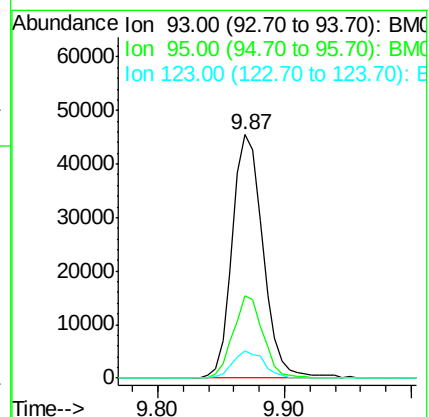
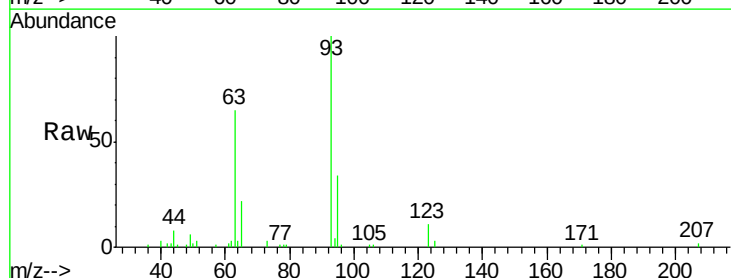
Tgt Ion: 93 Resp: 76344

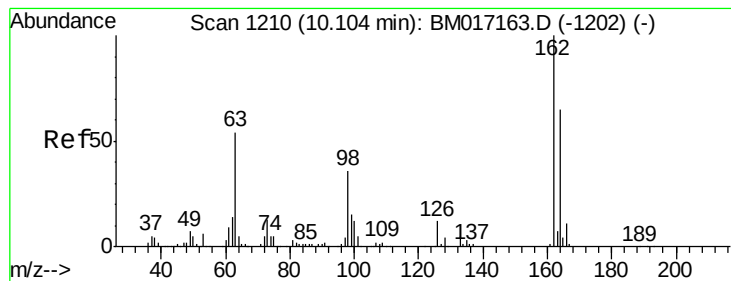
Ion Ratio Lower Upper

93 100

95 33.9 25.7 38.5

123 11.3 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 4.398 ng

RT: 10.10 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

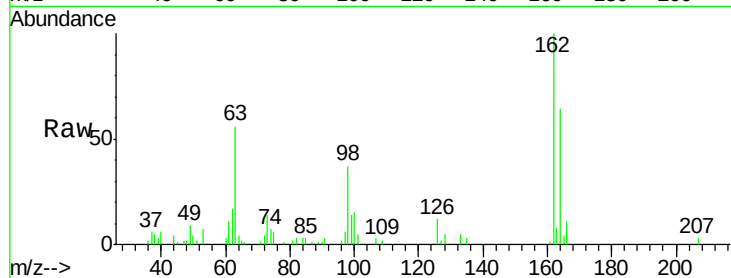
Tgt Ion:162 Resp: 51418

Ion Ratio Lower Upper

162 100

164 64.3 44.9 84.9

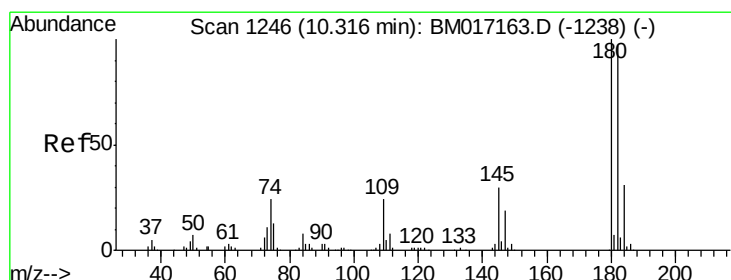
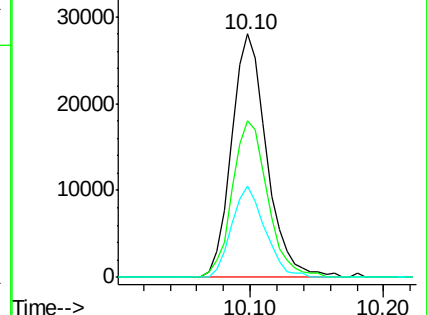
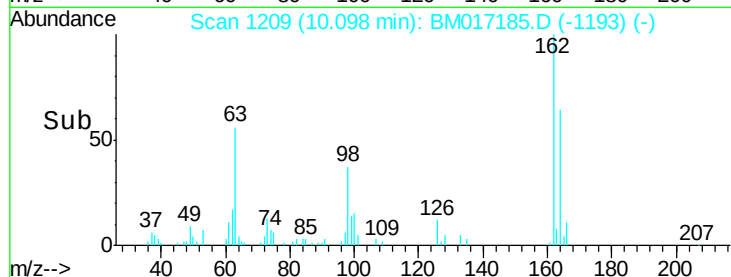
98 37.3 15.8 55.8



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: 4.634 ng

RT: 10.31 min Scan# 1245

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

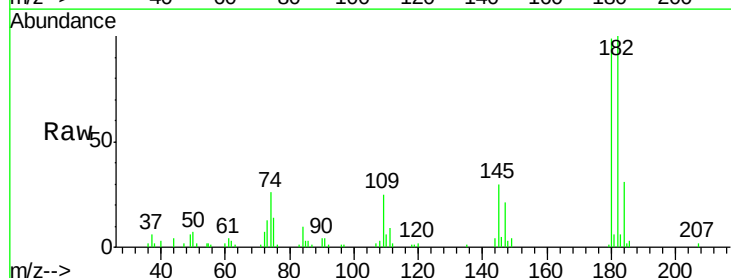
Tgt Ion:180 Resp: 64984

Ion Ratio Lower Upper

180 100

182 101.3 77.5 116.3

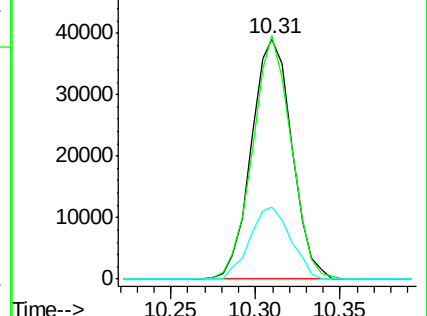
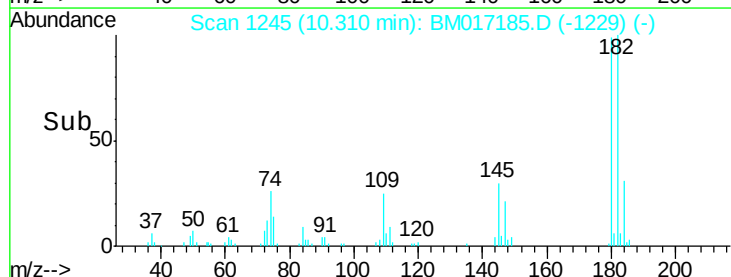
145 30.1 24.0 36.0

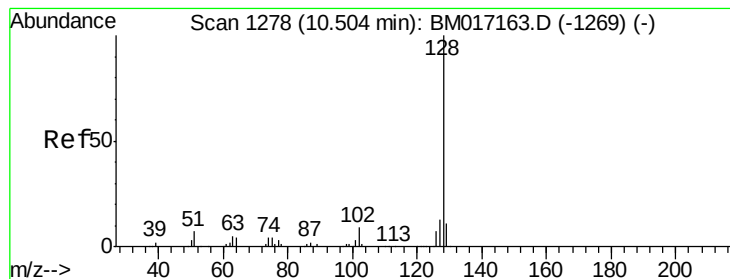


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

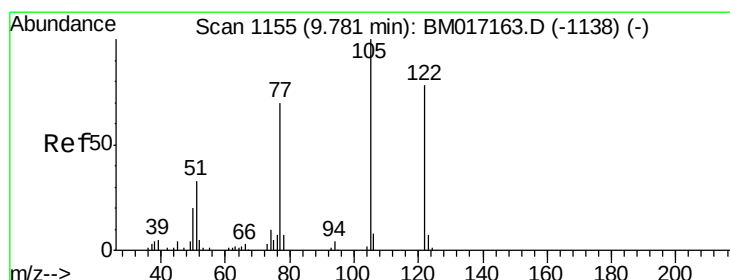
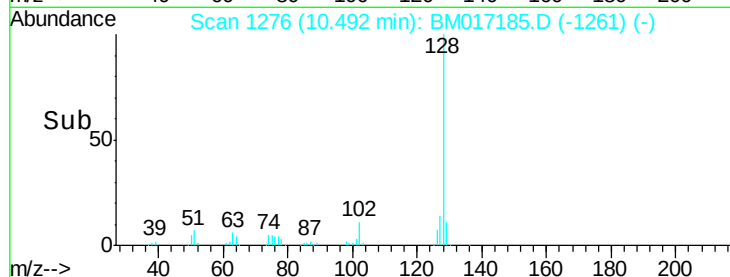
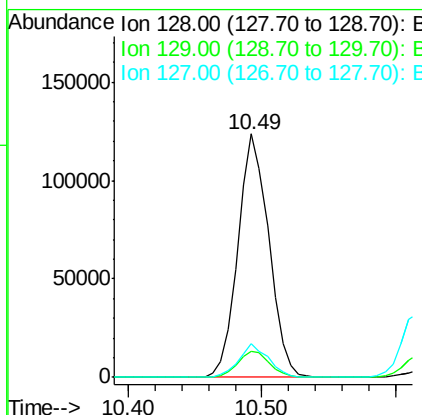
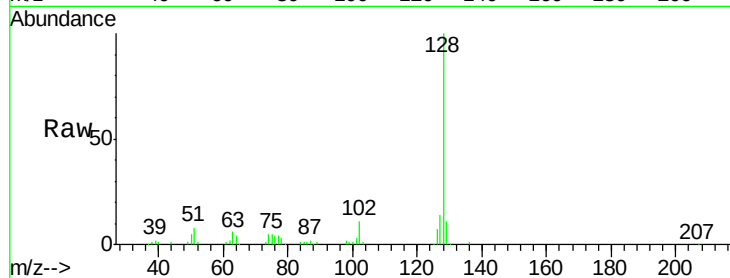




#31
Naphthalene
Concen: 5.021 ng
RT: 10.49 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

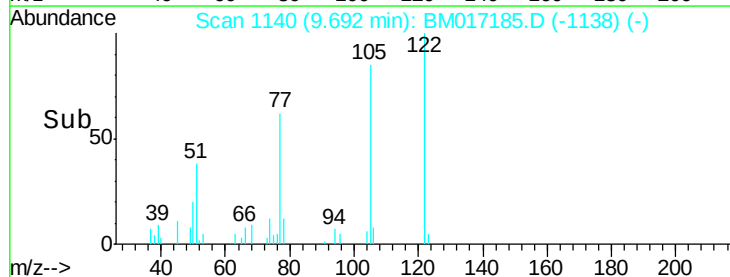
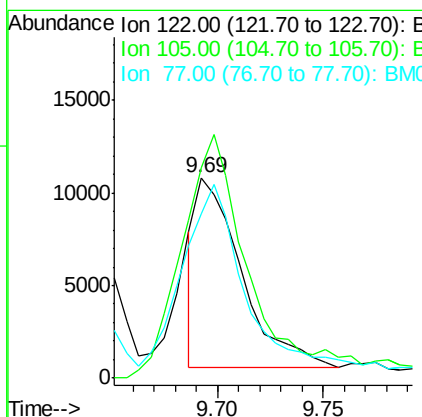
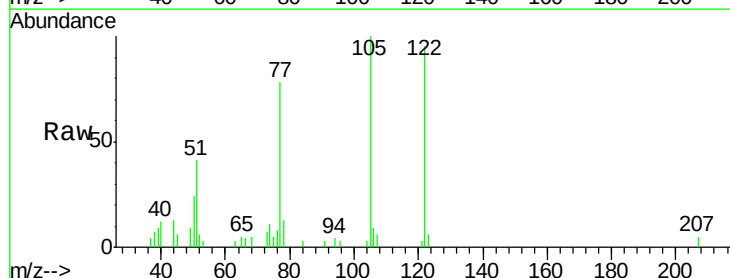
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

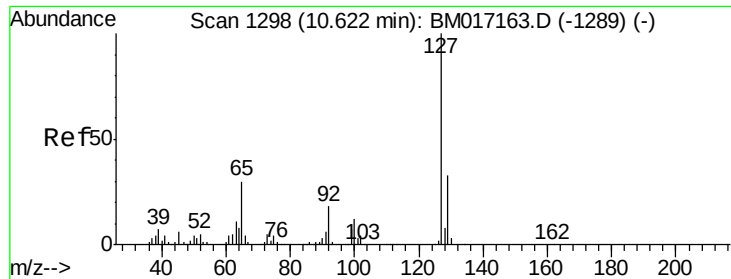
Tgt Ion:128 Resp: 198443
Ion Ratio Lower Upper
128 100
129 10.9 8.5 12.7
127 13.8 10.3 15.5



#32
Benzoic acid
Concen: 2.025 ng
RT: 9.69 min Scan# 1140
Delta R.T. -0.09 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

Tgt Ion:122 Resp: 15211
Ion Ratio Lower Upper
122 100
105 105.2 102.0 142.0
77 82.0 67.7 107.7

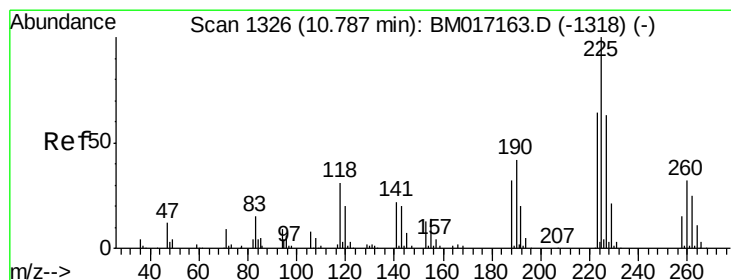
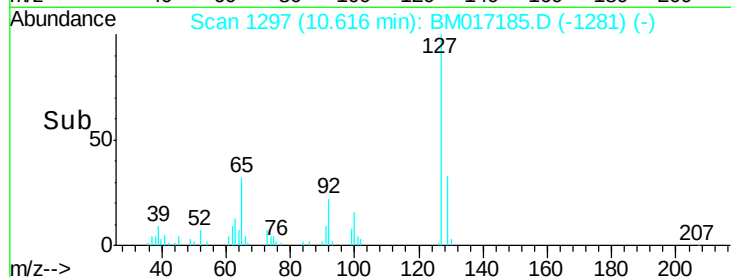
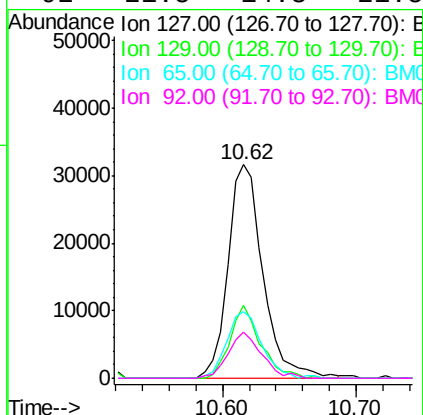
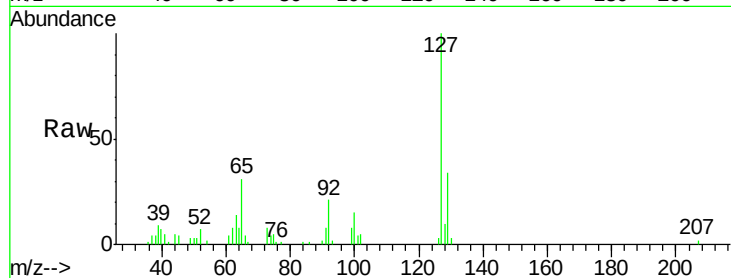




#33
4-Chloroaniline
Concen: 3.379 ng
RT: 10.62 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

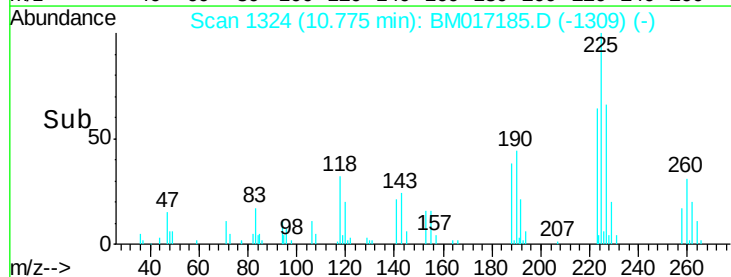
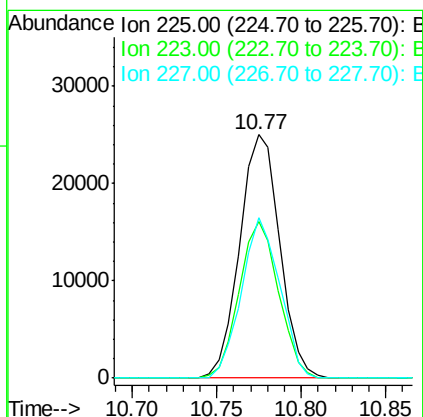
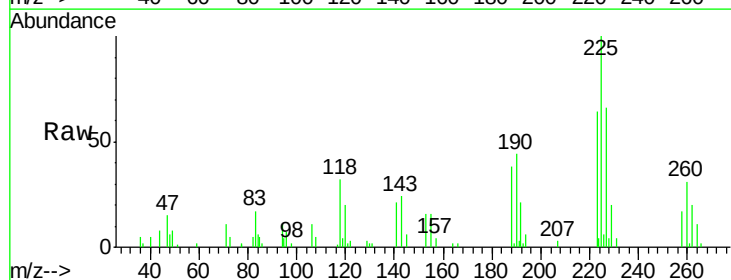
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

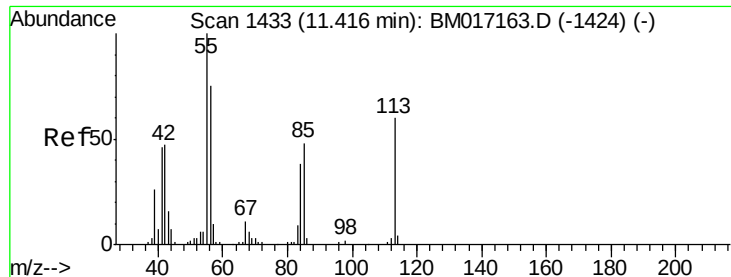
Tgt Ion:	127	Resp:	57683
Ion	Ratio	Lower	Upper
127	100		
129	34.1	26.2	39.4
65	31.4	23.7	35.5
92	21.5	14.3	21.5



#34
Hexachlorobutadiene
Concen: 4.651 ng
RT: 10.77 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

Tgt Ion:	225	Resp:	41327
Ion	Ratio	Lower	Upper
225	100		
223	64.1	51.0	76.6
227	65.7	50.8	76.2

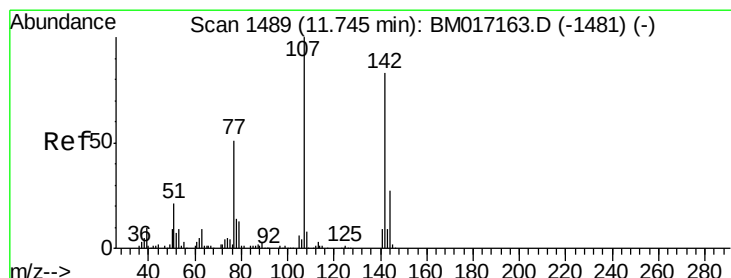
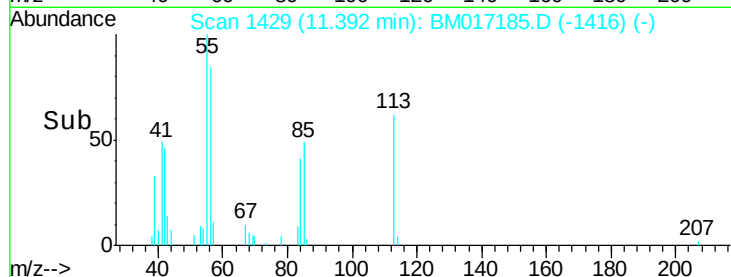
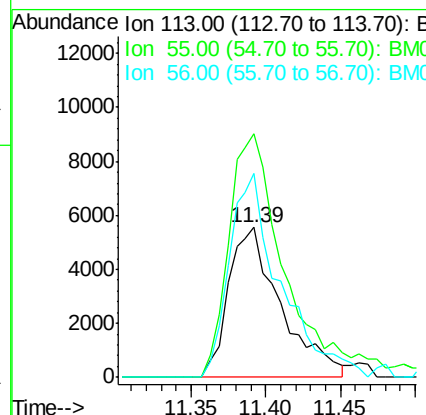
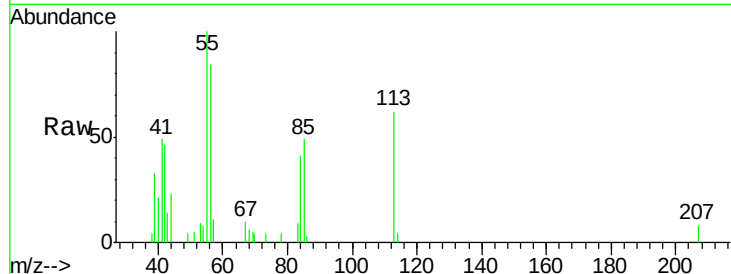




#35
 Caprolactam
 Concen: 3.181 ng
 RT: 11.39 min Scan# 1429
 Delta R.T. -0.02 min
 Lab File: BM017185.D
 Acq: 18 Oct 2018 10:22

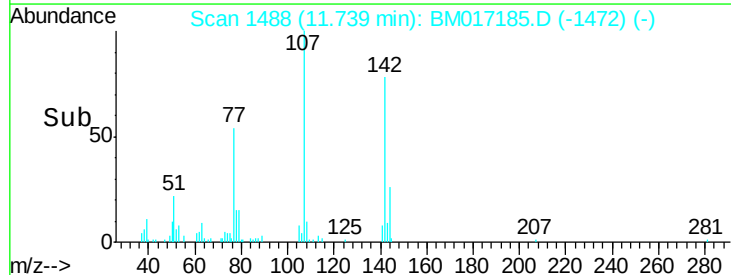
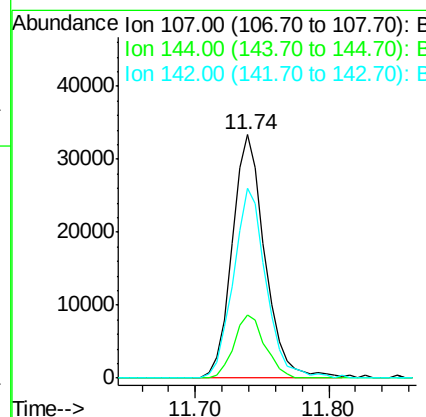
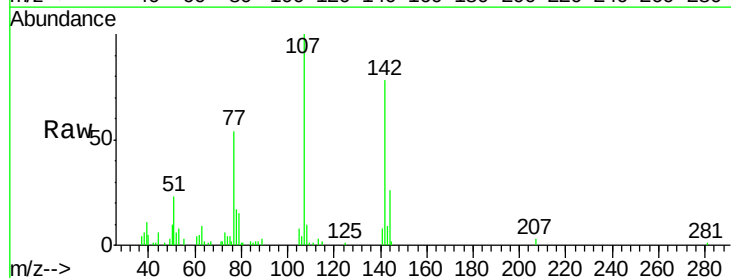
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

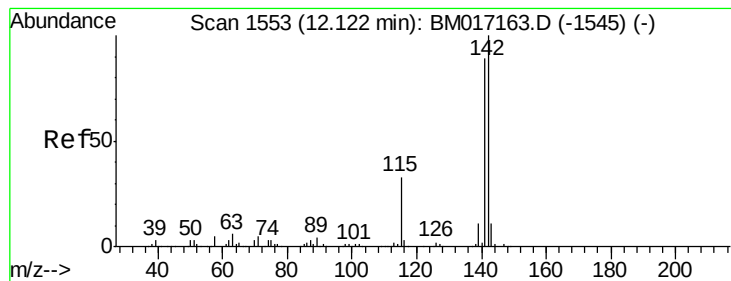
Tgt Ion: 113 Resp: 13553
 Ion Ratio Lower Upper
 113 100
 55 162.6 147.0 187.0
 56 136.2 104.5 144.5



#36
 4-Chloro-3-methylphenol
 Concen: 4.335 ng
 RT: 11.74 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: BM017185.D
 Acq: 18 Oct 2018 10:22

Tgt Ion: 107 Resp: 57128
 Ion Ratio Lower Upper
 107 100
 144 26.0 21.6 32.4
 142 78.1 66.0 99.0





#37

2-Methylnaphthalene

Concen: 5.354 ng

RT: 12.11 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

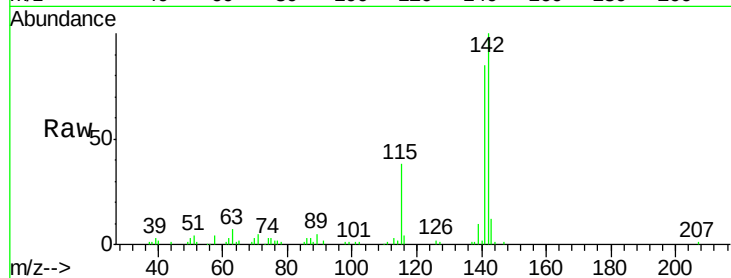
Tgt Ion:142 Resp: 144791

Ion Ratio Lower Upper

142 100

141 85.1 70.9 106.3

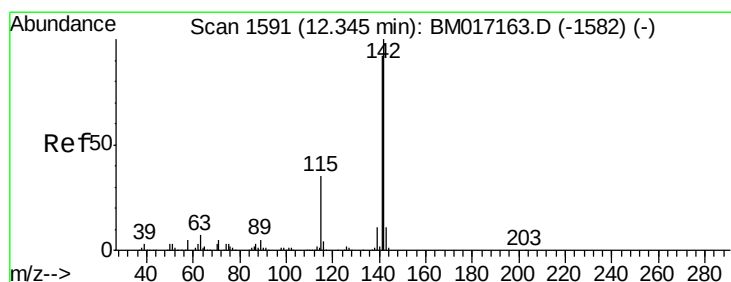
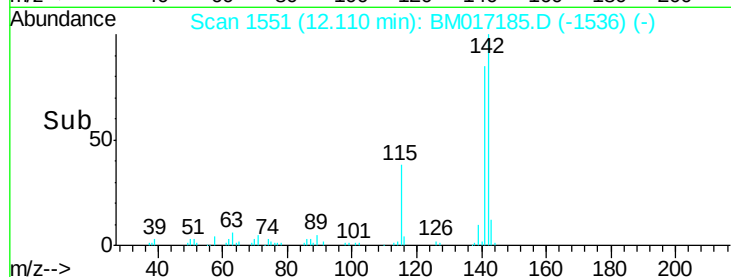
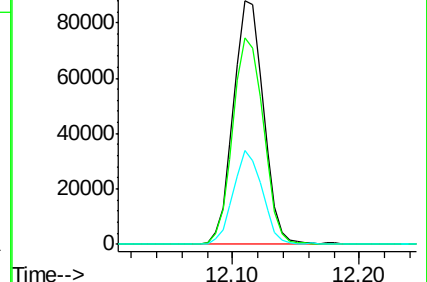
115 38.3 26.4 39.6



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: 5.210 ng

RT: 12.33 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

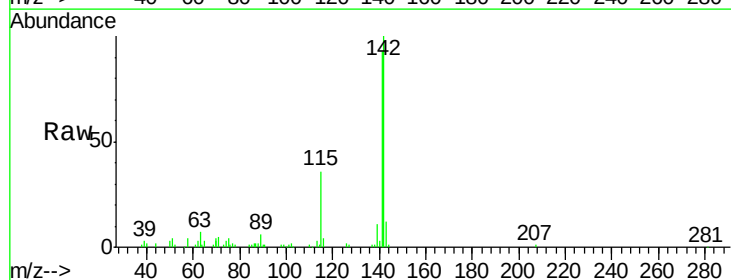
Tgt Ion:142 Resp: 137135

Ion Ratio Lower Upper

142 100

141 92.8 73.8 110.6

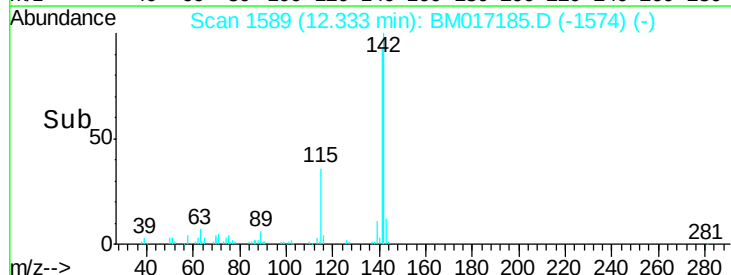
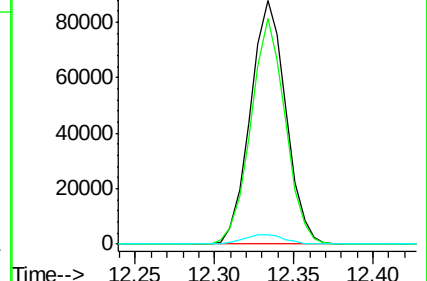
116 3.7 2.9 4.3

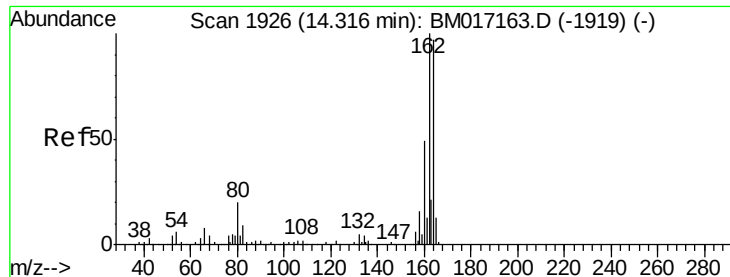


Abundance Ion 142.00 (141.70 to 142.70): E

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: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

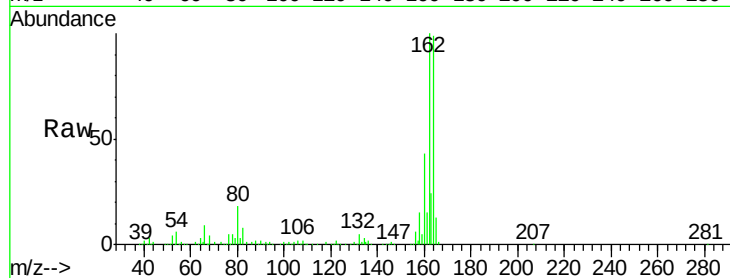
Tgt Ion:164 Resp: 471829

Ion Ratio Lower Upper

164 100

162 101.4 82.1 123.1

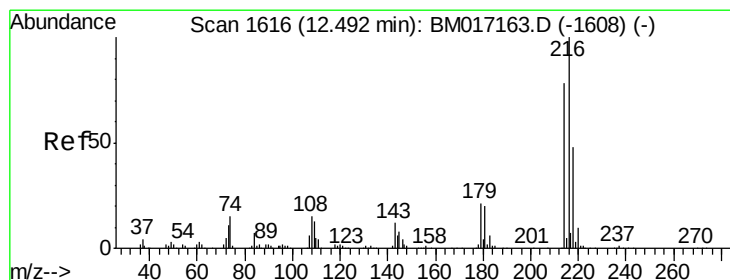
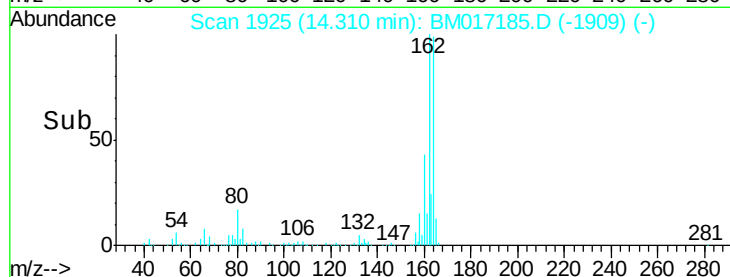
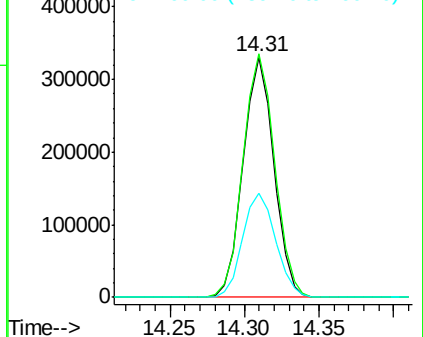
160 43.6 40.2 60.2



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: 4.460 ng

RT: 12.48 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Tgt Ion:216 Resp: 74103

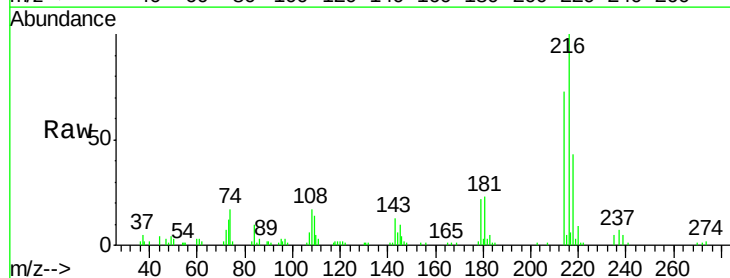
Ion Ratio Lower Upper

216 100

214 79.7 62.6 93.8

179 21.4 16.6 24.8

108 17.7 13.5 20.3

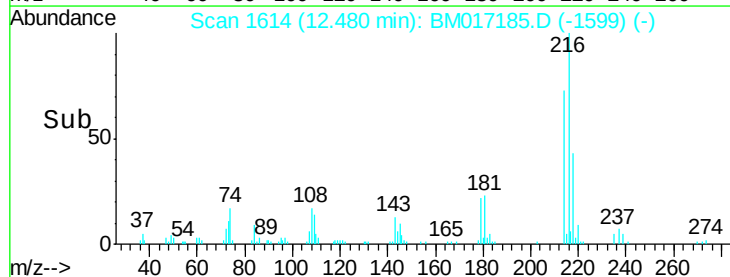
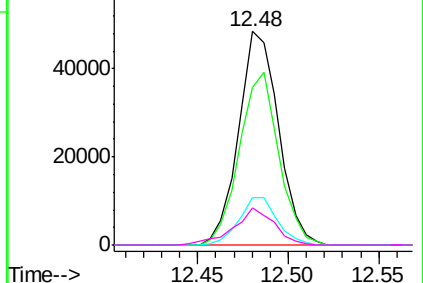


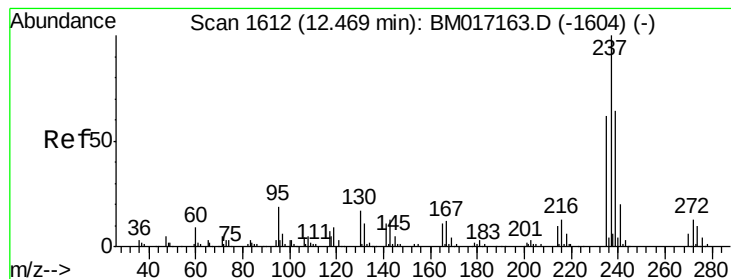
Abundance Ion 216.00 (215.70 to 216.70): E

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: 5.628 ng

RT: 12.46 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

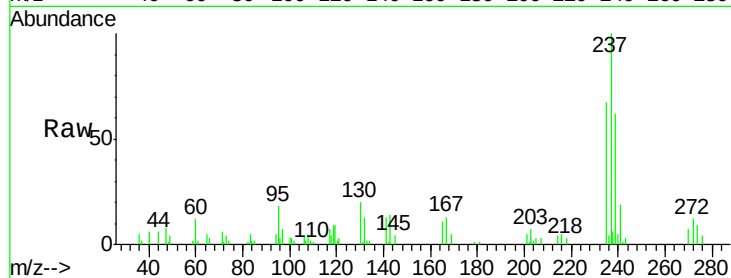
Tgt Ion: 237 Resp: 45205

Ion Ratio Lower Upper

237 100

235 67.4 42.4 82.4

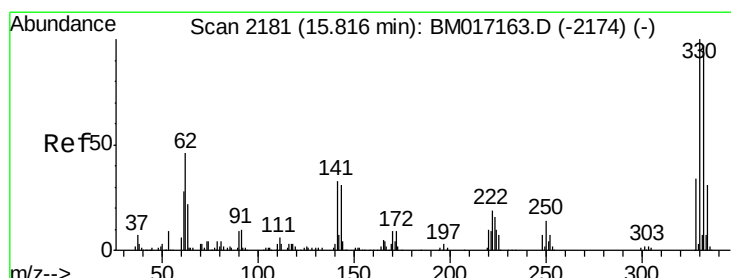
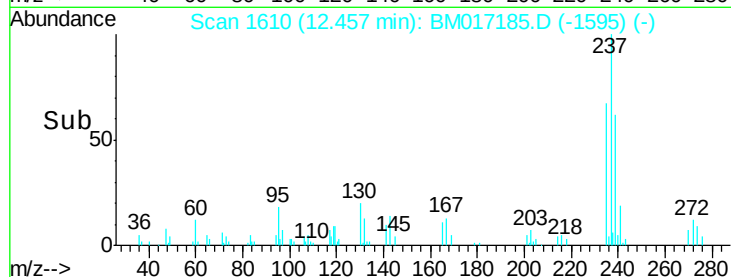
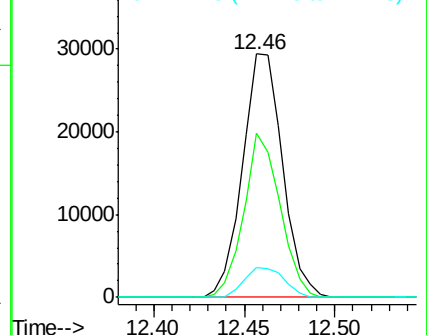
272 12.2 0.0 33.0



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: 141.533 ng

RT: 15.81 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

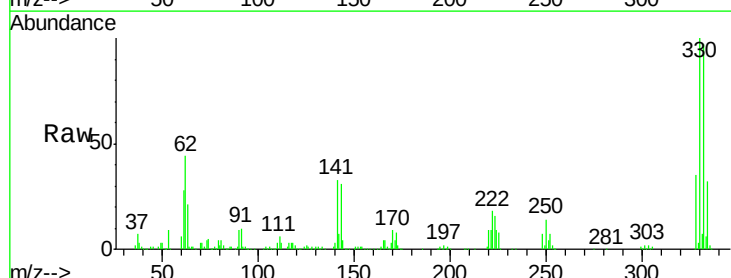
Tgt Ion: 330 Resp: 903090

Ion Ratio Lower Upper

330 100

332 96.9 77.3 115.9

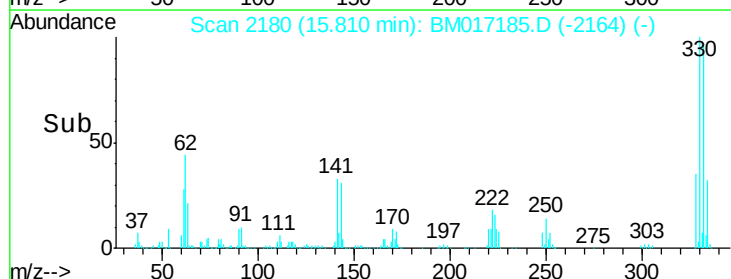
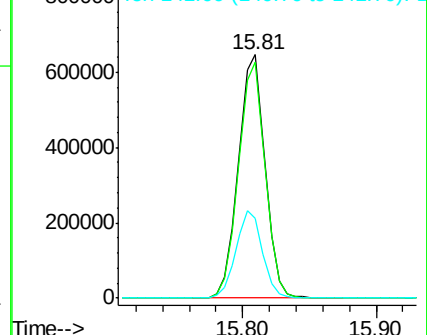
141 35.9 27.4 41.0

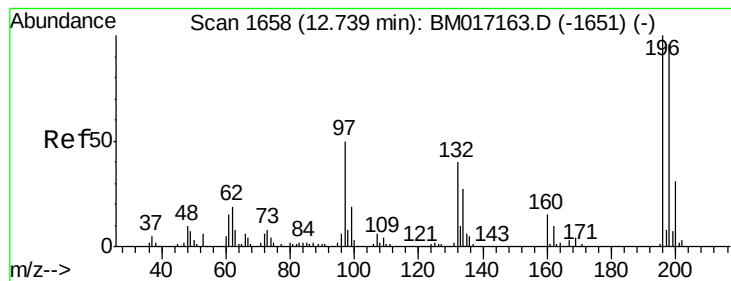


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

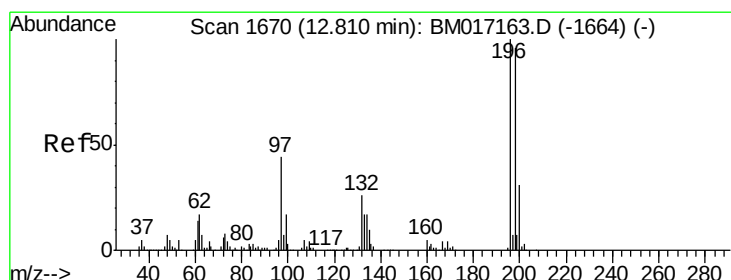
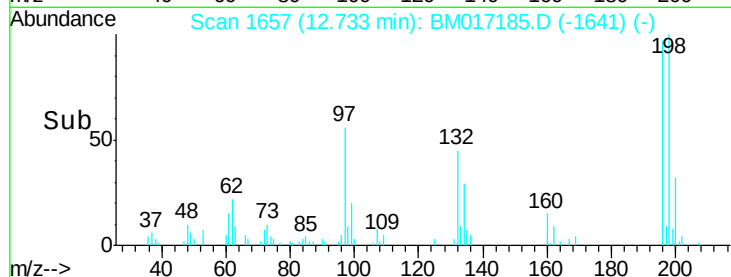
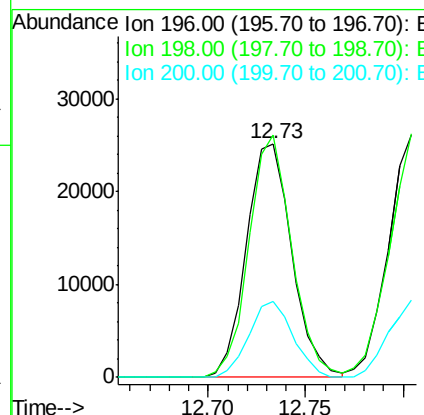
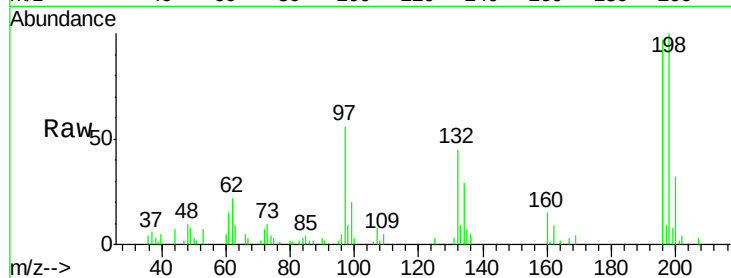




#43
 2,4,6-Trichlorophenol
 Concen: 4.221 ng
 RT: 12.73 min Scan# 1657
 Delta R.T. -0.01 min
 Lab File: BM017185.D
 Acq: 18 Oct 2018 10:22

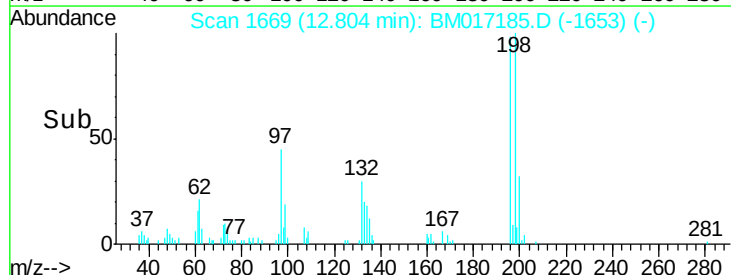
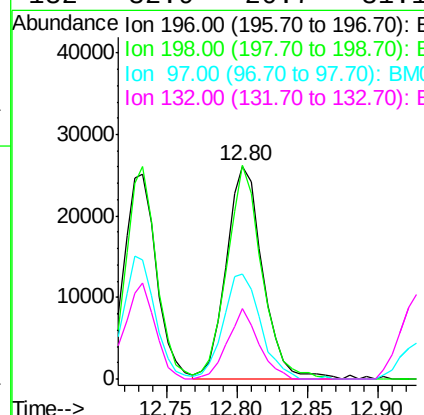
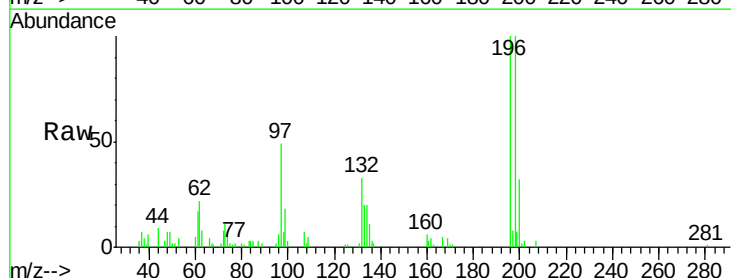
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

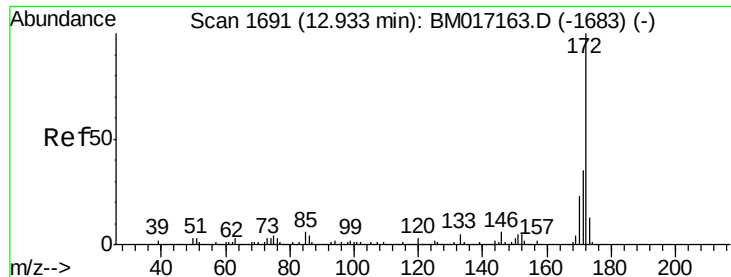
Tgt Ion:196 Resp: 40719
 Ion Ratio Lower Upper
 196 100
 198 103.5 77.1 115.7
 200 32.7 25.0 37.4



#44
 2,4,5-Trichlorophenol
 Concen: 4.526 ng
 RT: 12.80 min Scan# 1669
 Delta R.T. -0.01 min
 Lab File: BM017185.D
 Acq: 18 Oct 2018 10:22

Tgt Ion:196 Resp: 46811
 Ion Ratio Lower Upper
 196 100
 198 100.5 76.6 115.0
 97 49.3 35.5 53.3
 132 32.9 20.7 31.1#

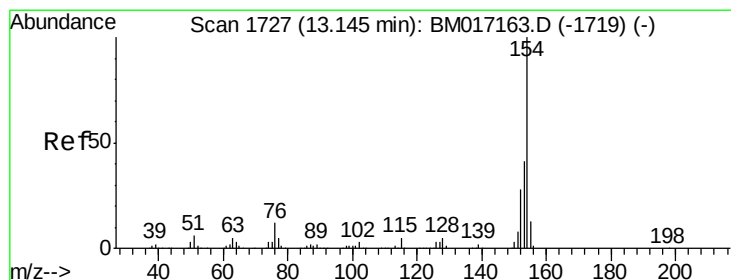
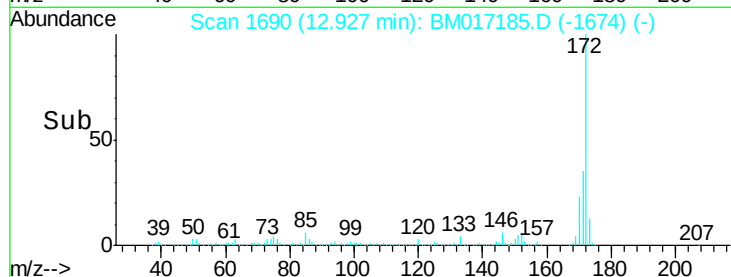
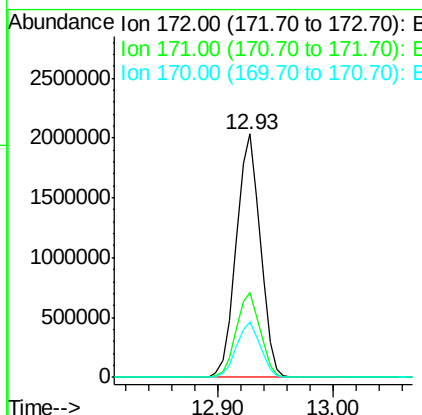
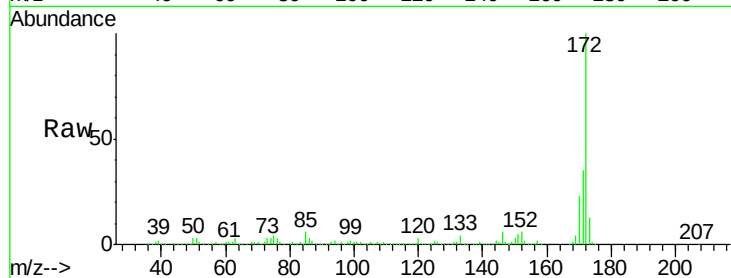




#45
2-Fluorobiphenyl
Concen: 82.570 ng
RT: 12.93 min Scan# 1690
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

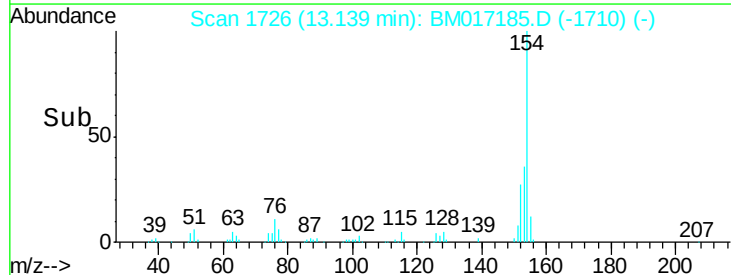
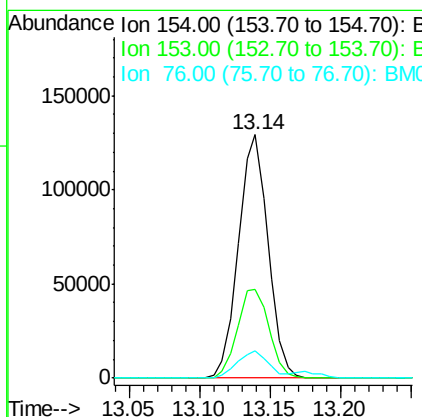
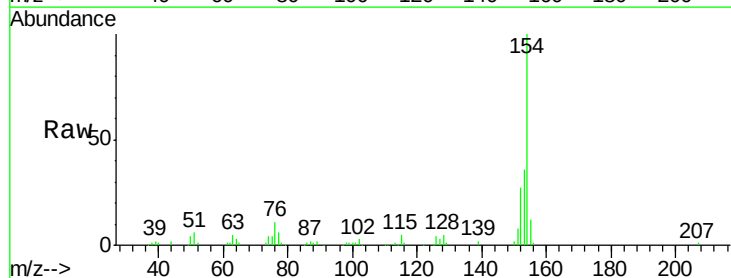
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

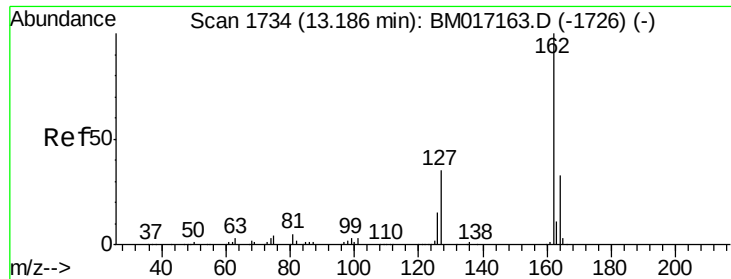
Tgt Ion:172 Resp: 2928033
Ion Ratio Lower Upper
172 100
171 34.7 28.3 42.5
170 23.0 18.3 27.5



#46
1,1'-Biphenyl
Concen: 4.460 ng
RT: 13.14 min Scan# 1726
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

Tgt Ion:154 Resp: 189382
Ion Ratio Lower Upper
154 100
153 36.4 20.5 60.5
76 11.0 0.0 31.8

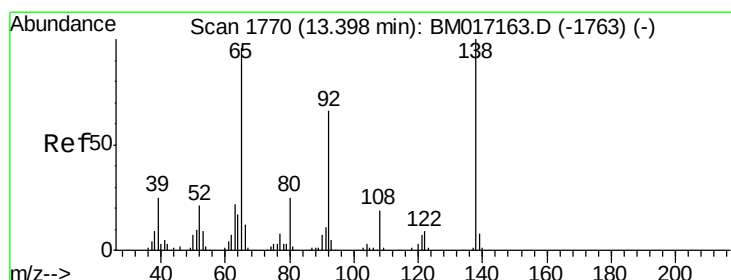
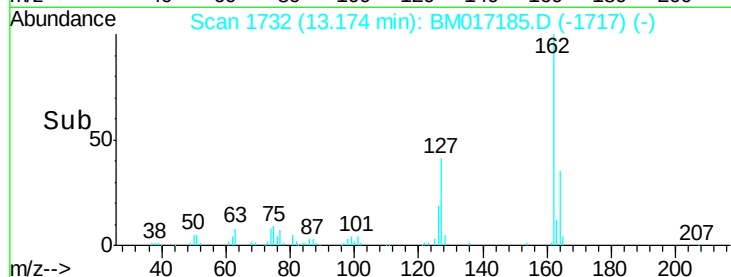
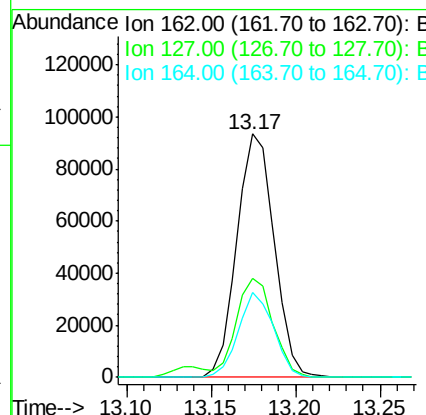
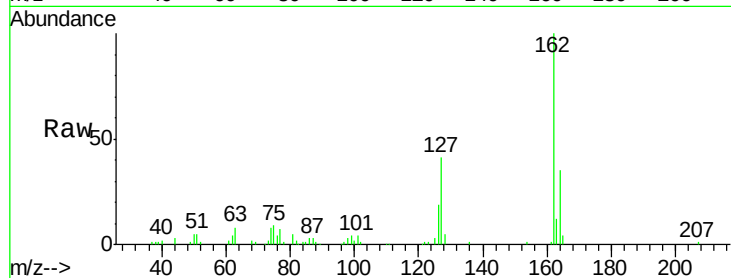




#47
2-Chloronaphthalene
Concen: 4.599 ng
RT: 13.17 min Scan# 1732
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

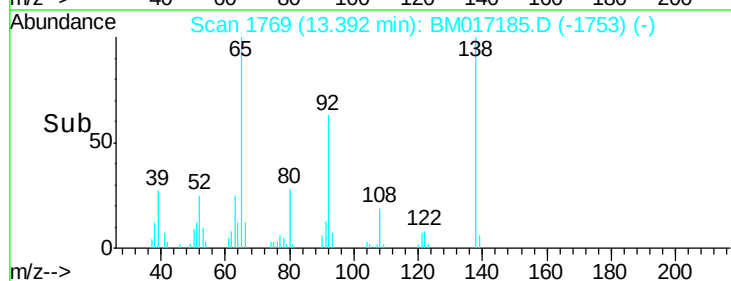
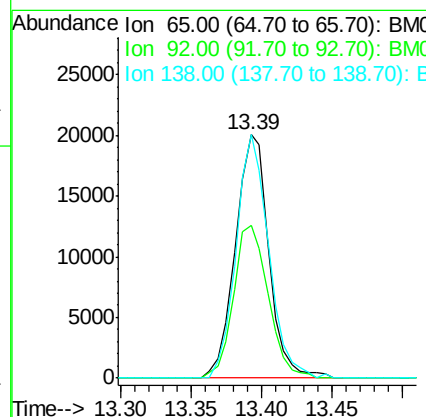
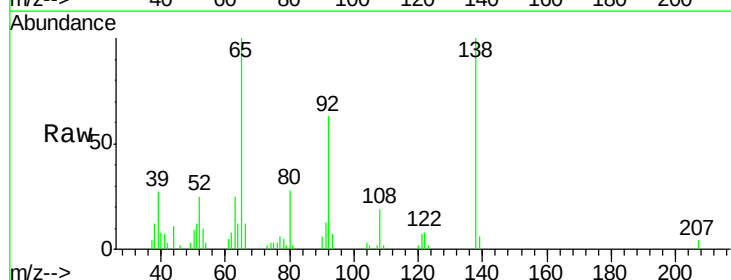
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

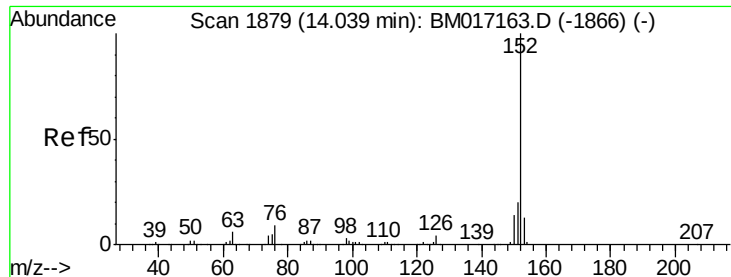
Tgt Ion	Ratio	Lower	Upper
162	100		
127	40.6	31.0	46.4
164	35.0	26.6	39.8



#48
2-Nitroaniline
Concen: 8.997 ng
RT: 13.39 min Scan# 1769
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

Tgt Ion	Ratio	Lower	Upper
65	100		
92	62.8	54.9	82.3
138	99.9	83.7	125.5





#49

Acenaphthylene

Concen: 4.838 ng

RT: 14.03 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

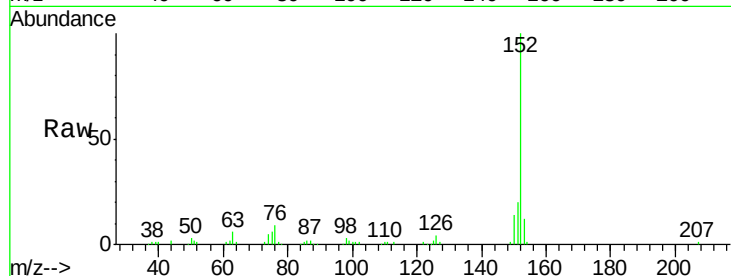
Tgt Ion:152 Resp: 219063

Ion Ratio Lower Upper

152 100

151 20.2 16.0 24.0

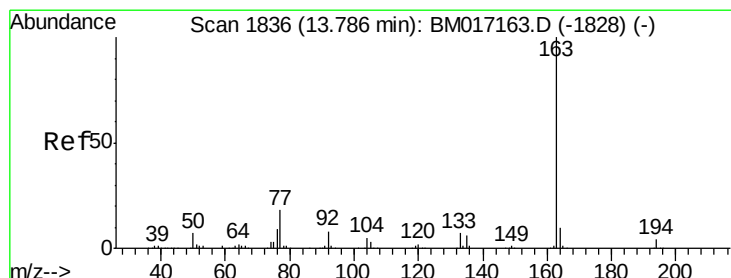
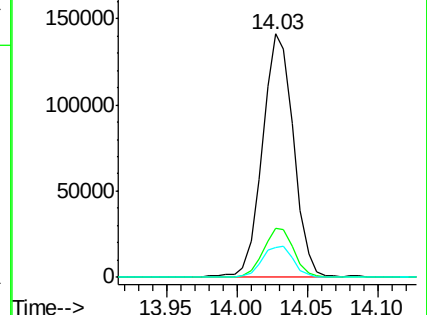
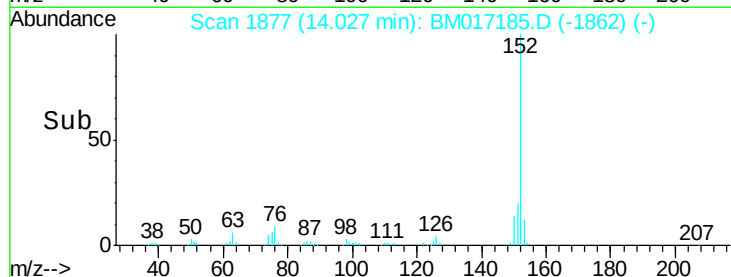
153 12.3 10.4 15.6



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: 4.968 ng

RT: 13.77 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

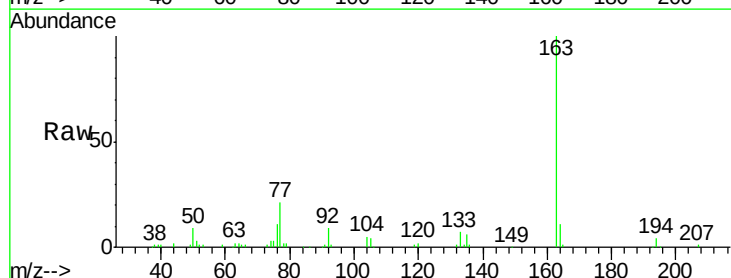
Tgt Ion:163 Resp: 180844

Ion Ratio Lower Upper

163 100

194 4.3 3.3 4.9

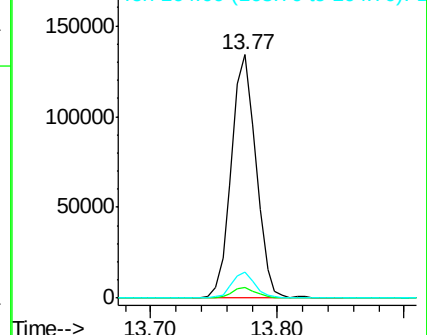
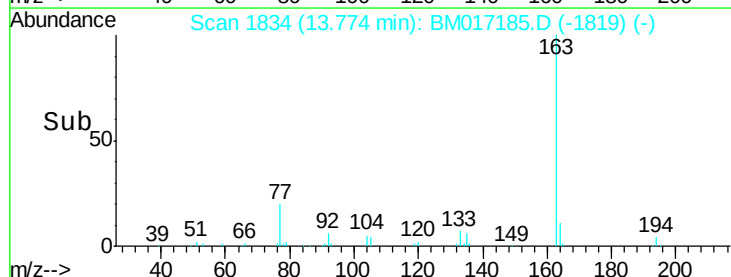
164 10.7 7.8 11.8

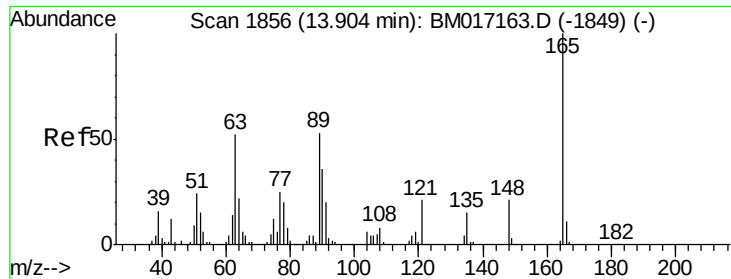


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

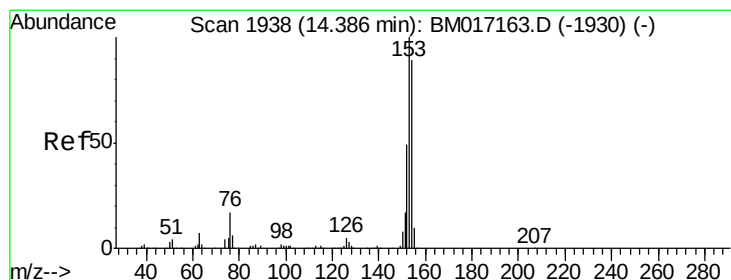
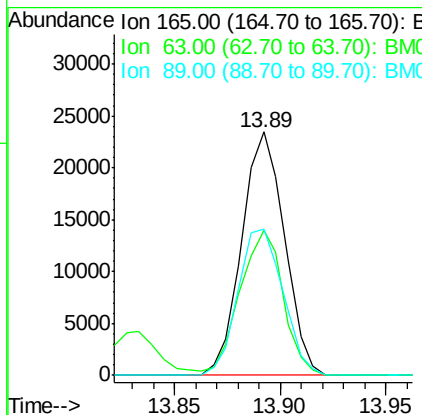
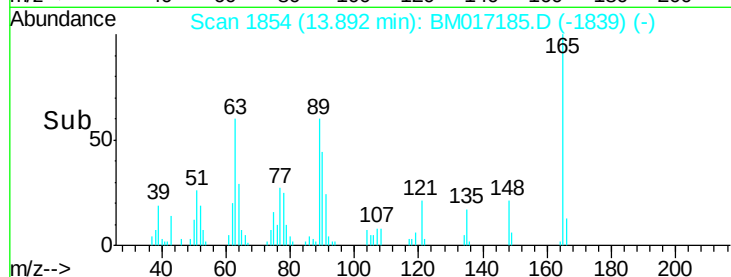
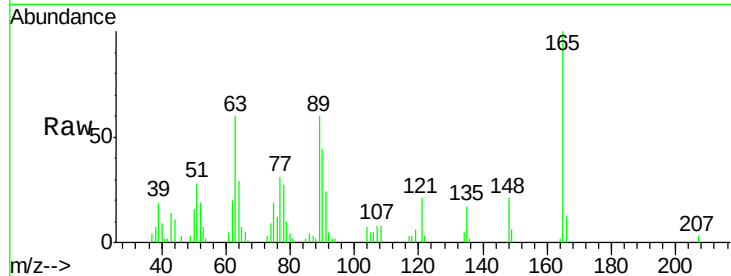




#51
 2,6-Dinitrotoluene
 Concen: 4.119 ng
 RT: 13.89 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BM017185.D
 Acq: 18 Oct 2018 10:22

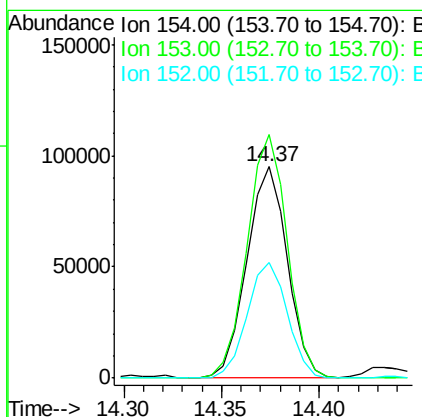
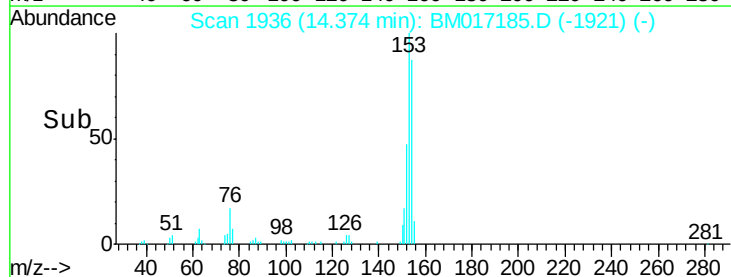
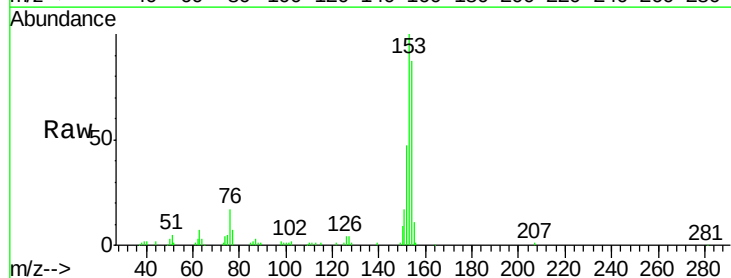
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

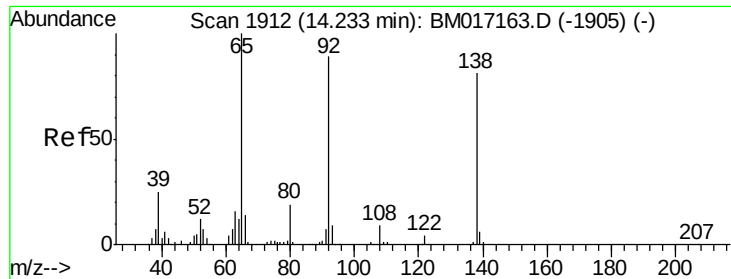
Tgt Ion:165 Resp: 33004
 Ion Ratio Lower Upper
 165 100
 63 59.6 42.7 64.1
 89 59.9 42.1 63.1



#52
 Acenaphthene
 Concen: 4.828 ng
 RT: 14.37 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: BM017185.D
 Acq: 18 Oct 2018 10:22

Tgt Ion:154 Resp: 137240
 Ion Ratio Lower Upper
 154 100
 153 115.1 90.2 135.2
 152 54.4 44.2 66.4

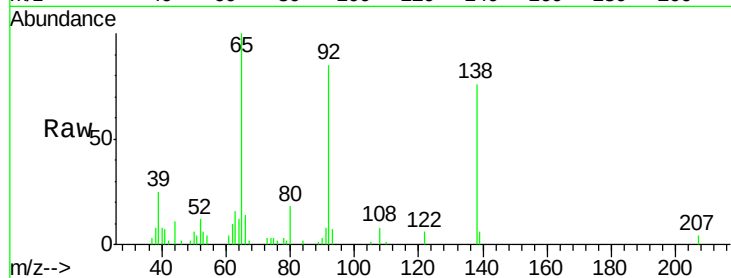




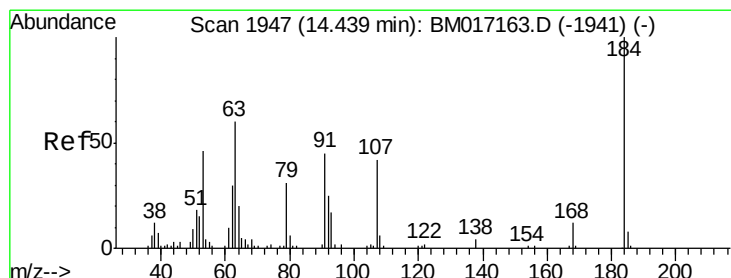
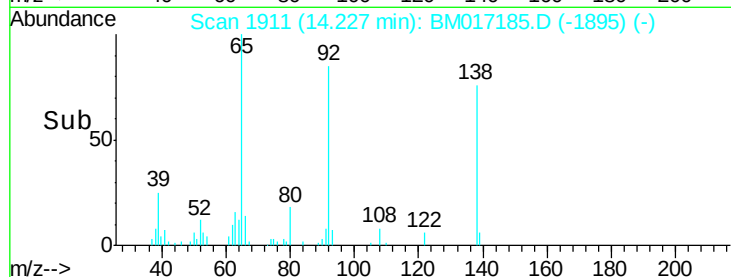
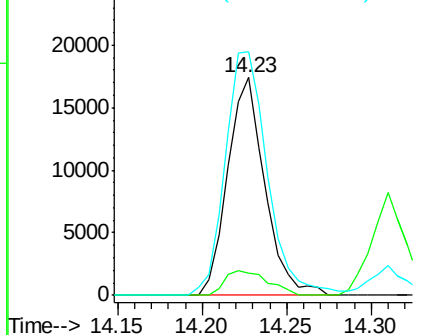
#53
 3-Nitroaniline
 Concen: 3.072 ng
 RT: 14.23 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: BM017185.D
 Acq: 18 Oct 2018 10:22

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:138 Resp: 26655
 Ion Ratio Lower Upper
 138 100
 108 10.2 8.7 13.1
 92 111.8 87.9 131.9

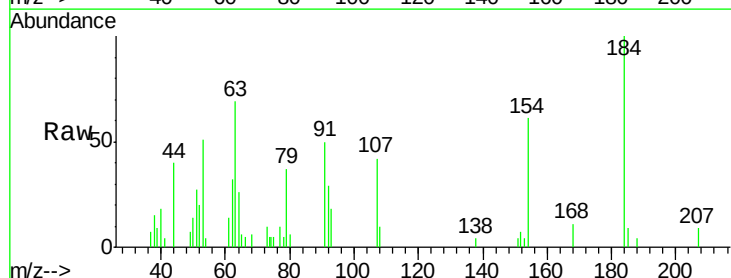


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BM

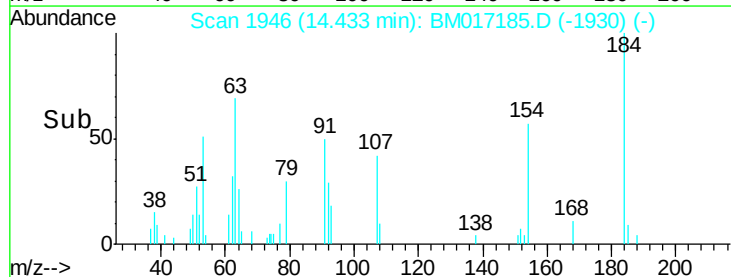
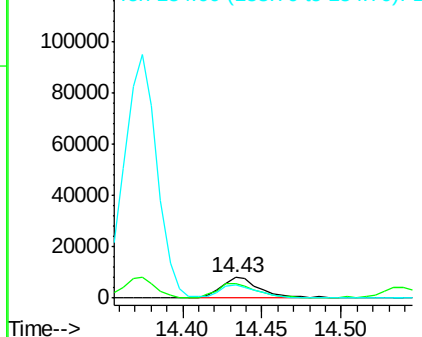


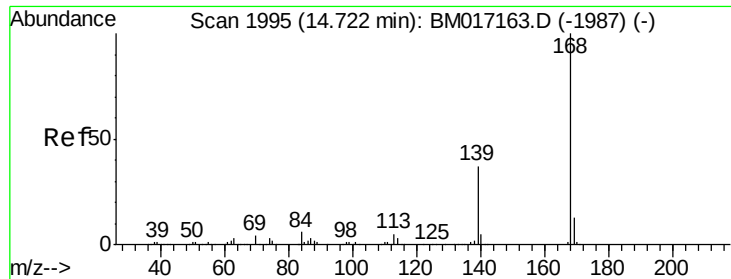
#54
 2,4-Dinitrophenol
 Concen: 10.803 ng
 RT: 14.43 min Scan# 1946
 Delta R.T. -0.01 min
 Lab File: BM017185.D
 Acq: 18 Oct 2018 10:22

Tgt Ion:184 Resp: 13501
 Ion Ratio Lower Upper
 184 100
 63 69.0 51.2 76.8
 154 60.7 47.8 71.8



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BM
 Ion 154.00 (153.70 to 154.70): E

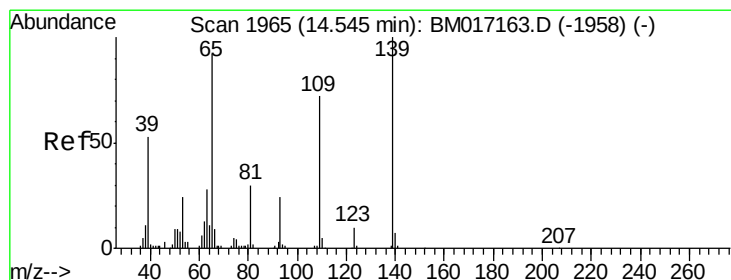
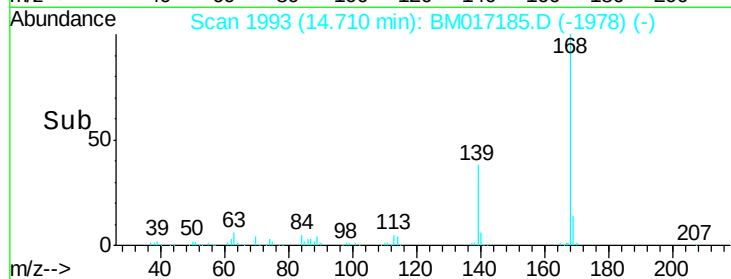
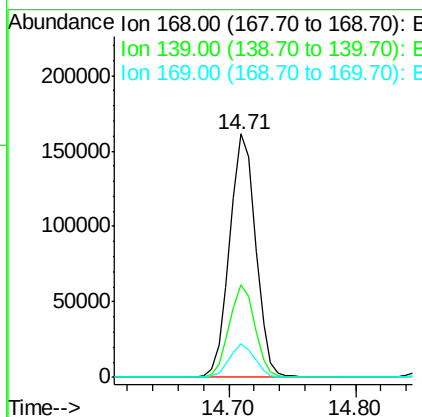
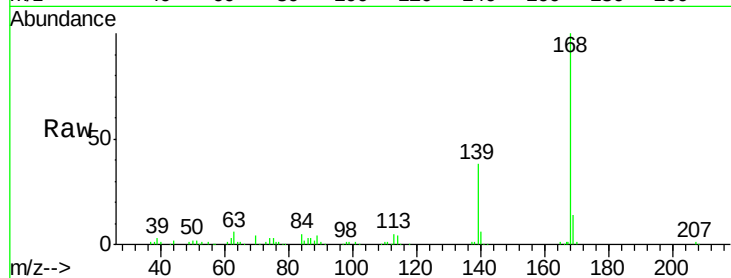




#55
Dibenzenofuran
Concen: 4.830 ng
RT: 14.71 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

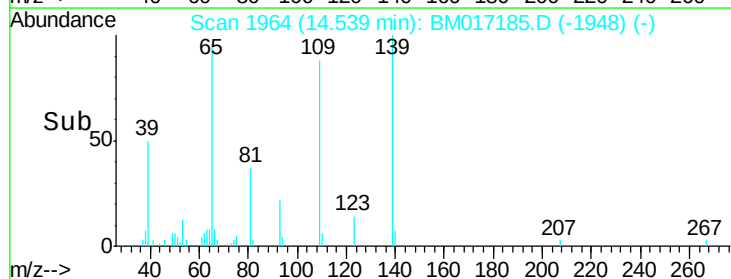
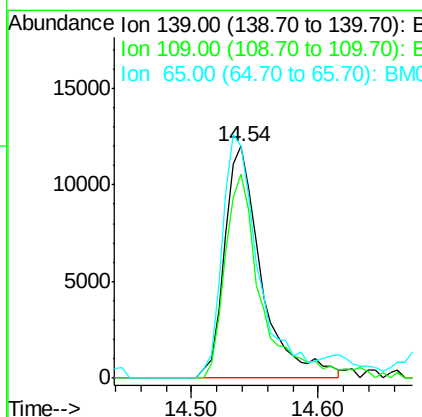
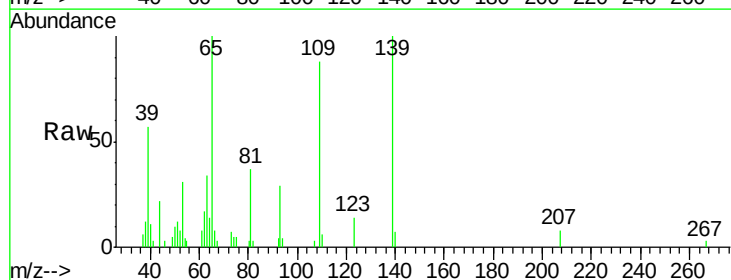
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

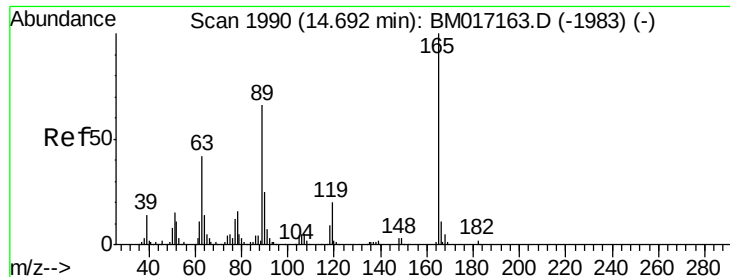
Tgt Ion:168 Resp: 228359
Ion Ratio Lower Upper
168 100
139 37.9 29.3 43.9
169 13.6 10.6 15.8



#56
4-Nitrophenol
Concen: 7.591 ng
RT: 14.54 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

Tgt Ion:139 Resp: 24157
Ion Ratio Lower Upper
139 100
109 88.3 51.8 91.8
65 100.4 72.1 112.1

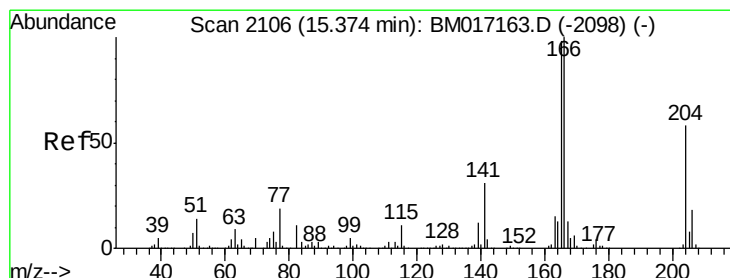
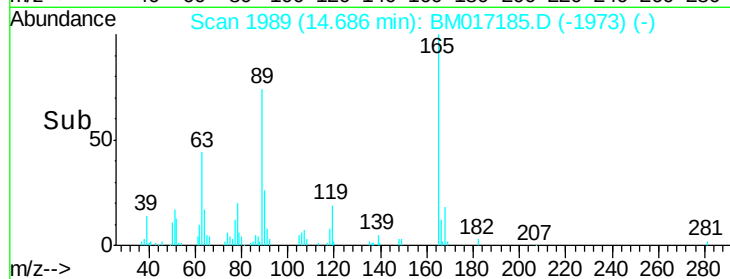
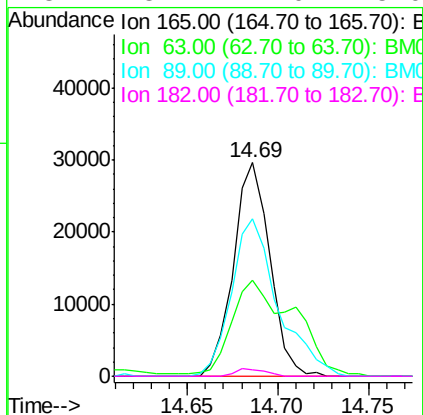
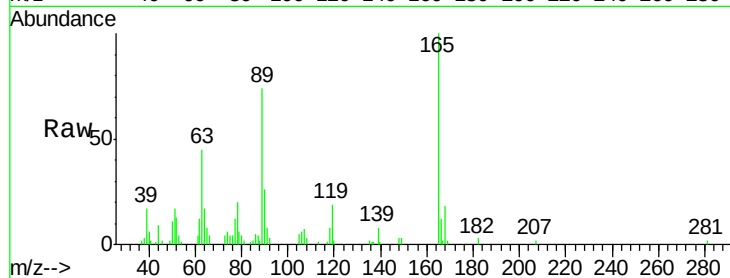




#57
2,4-Dinitrotoluene
Concen: 3.863 ng
RT: 14.69 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

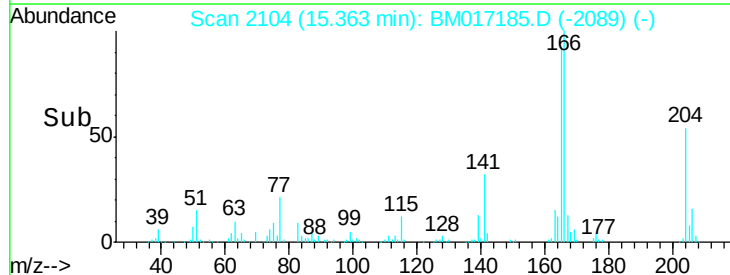
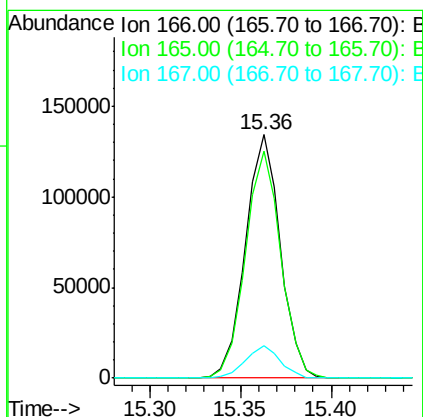
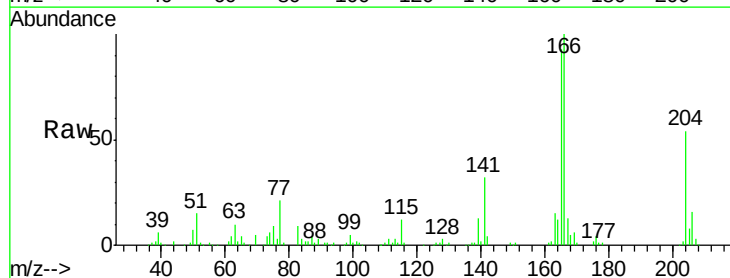
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

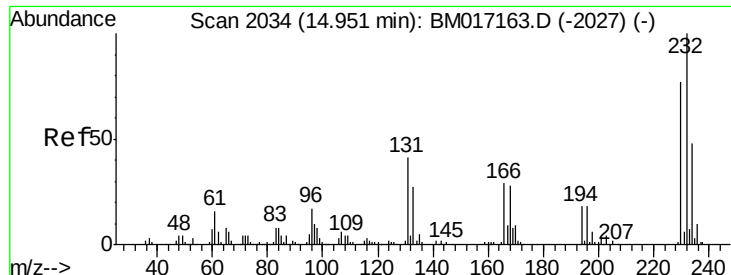
Tgt Ion:	165	Resp:	41597
Ion	Ratio	Lower	Upper
165	100		
63	44.8	33.8	50.8
89	73.7	53.1	79.7
182	3.1	2.0	3.0#



#58
Fluorene
Concen: 5.123 ng
RT: 15.36 min Scan# 2104
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

Tgt Ion:	166	Resp:	179266
Ion	Ratio	Lower	Upper
166	100		
165	93.4	78.1	117.1
167	13.3	10.6	16.0

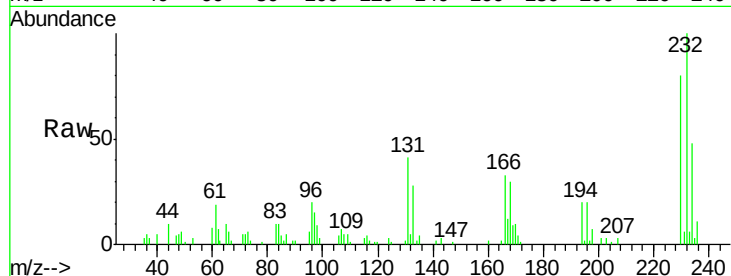




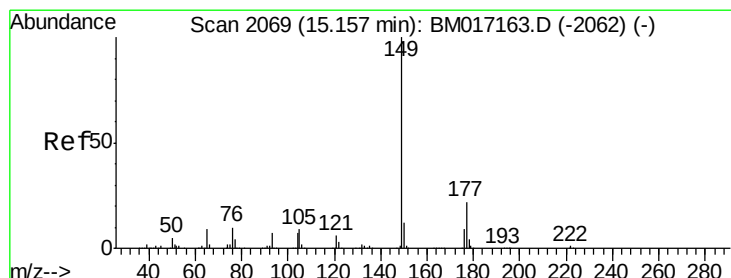
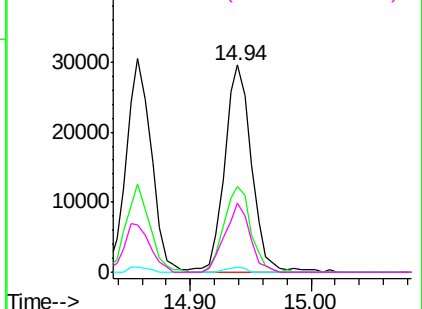
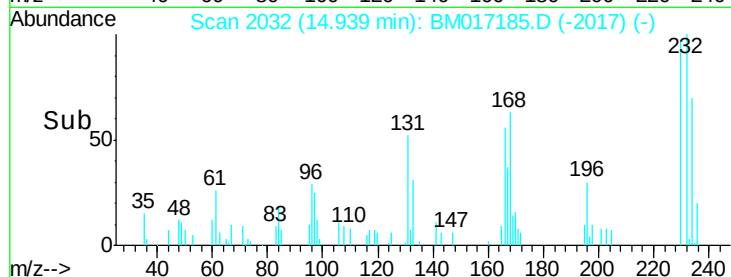
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 4.884 ng
 RT: 14.94 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BM017185.D
 Acq: 18 Oct 2018 10:22

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 232 Resp: 46052
 Ion Ratio Lower Upper
 232 100
 131 40.4 33.1 49.7
 130 1.8 1.7 2.5
 166 30.7 24.4 36.6

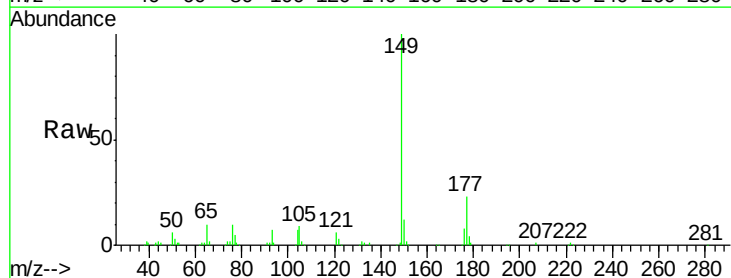


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

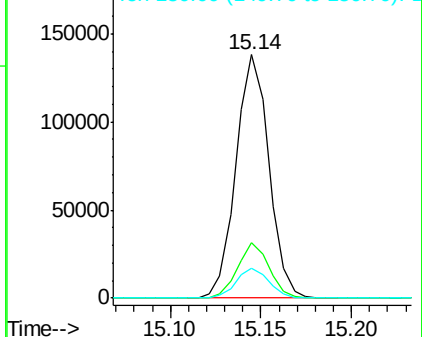
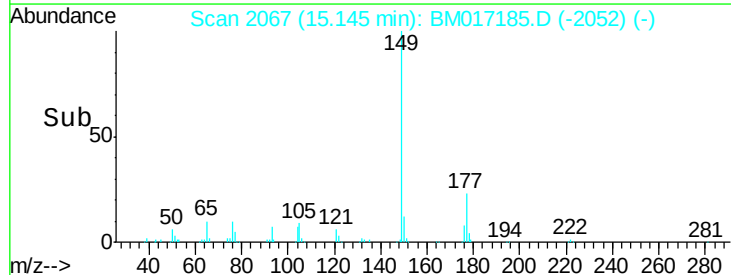


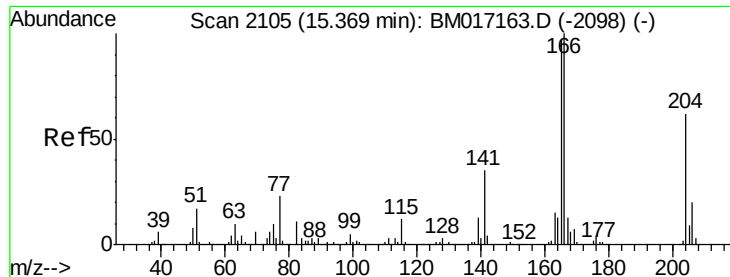
#60
 Diethylphthalate
 Concen: 4.847 ng
 RT: 15.14 min Scan# 2067
 Delta R.T. -0.01 min
 Lab File: BM017185.D
 Acq: 18 Oct 2018 10:22

Tgt Ion: 149 Resp: 174969
 Ion Ratio Lower Upper
 149 100
 177 22.8 17.7 26.5
 150 12.0 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: 4.853 ng

RT: 15.36 min Scan# 2104

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

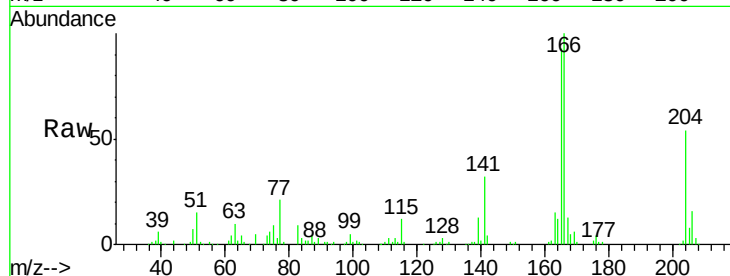
Tgt Ion:204 Resp: 96805

Ion Ratio Lower Upper

204 100

206 30.4 26.1 39.1

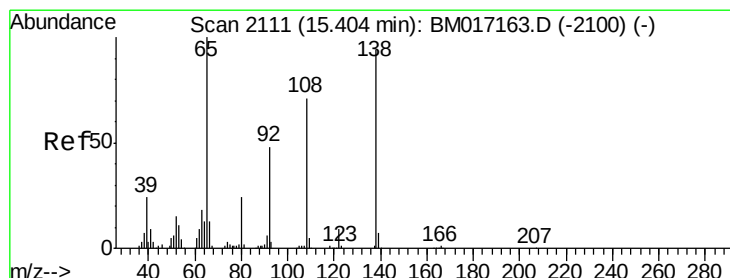
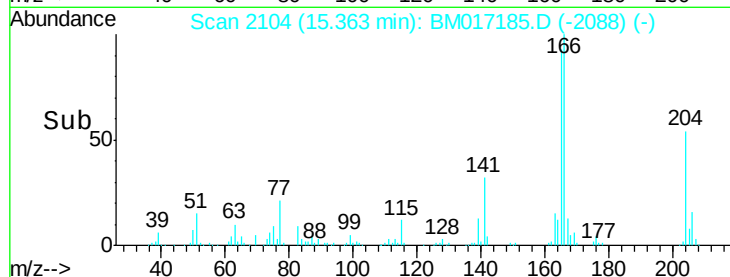
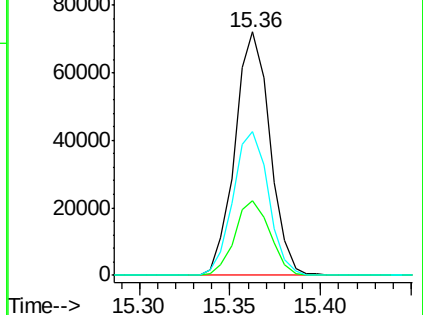
141 59.3 45.4 68.2



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62

4-Nitroaniline

Concen: 7.671 ng

RT: 15.39 min Scan# 2109

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

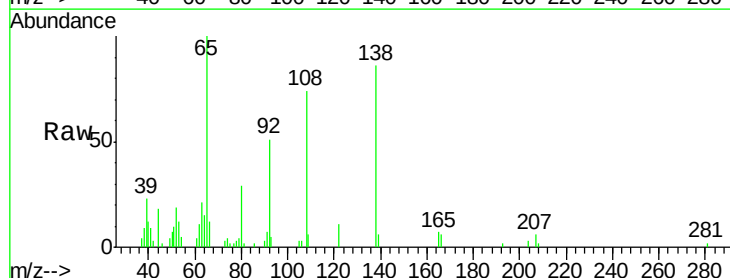
Tgt Ion:138 Resp: 31342

Ion Ratio Lower Upper

138 100

92 59.3 31.2 71.2

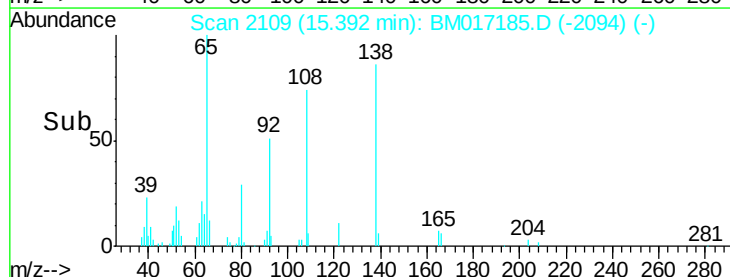
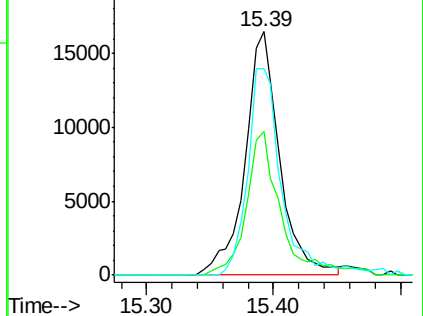
108 85.1 55.5 95.5

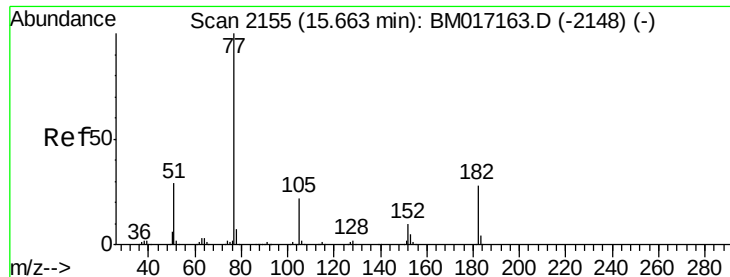


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E

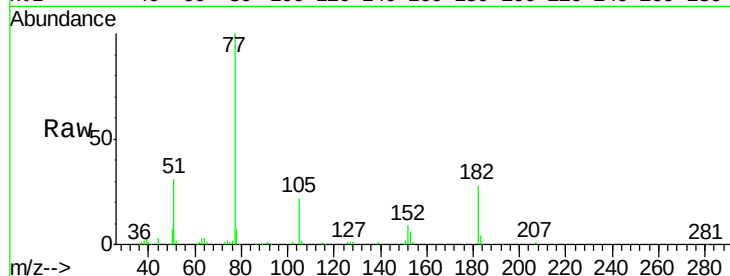




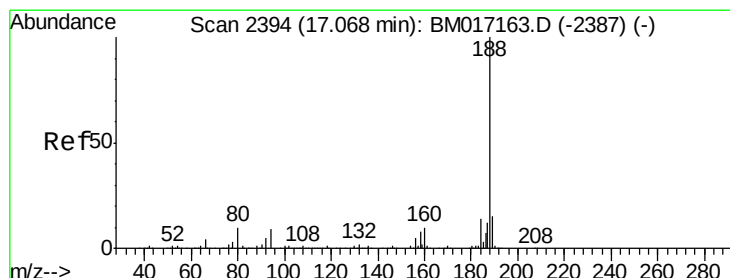
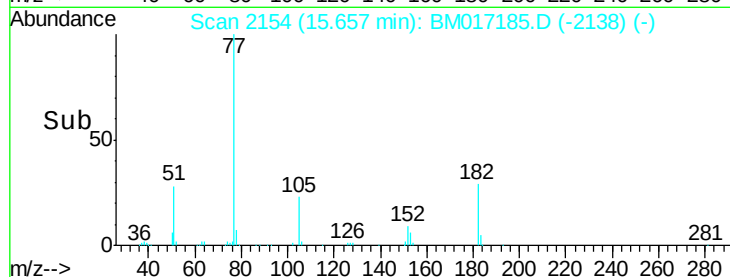
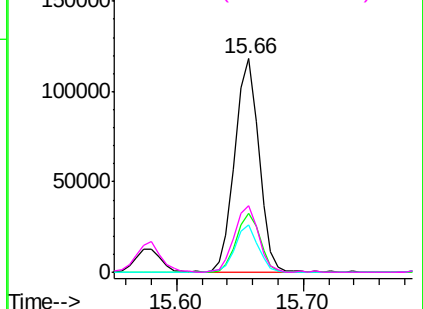
#63
Azobenzene
Concen: 4.458 ng
RT: 15.66 min Scan# 2154
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 77 Resp: 156443
Ion Ratio Lower Upper
77 100
182 27.8 8.3 48.3
105 21.9 1.5 41.5
51 31.2 8.8 48.8

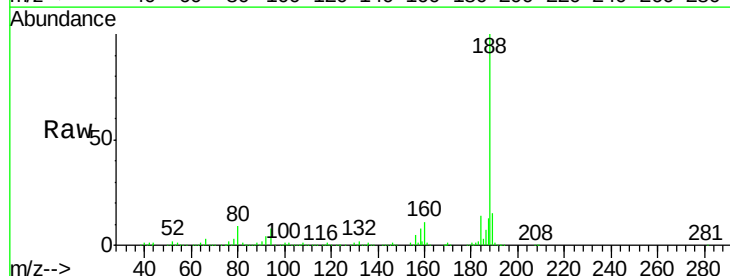


Abundance Ion 77.00 (76.70 to 77.70): BM017185.D (-2138) (-)
Ion 182.00 (181.70 to 182.70): BM017185.D (-2138) (-)
Ion 105.00 (104.70 to 105.70): BM017185.D (-2138) (-)
Ion 51.00 (50.70 to 51.70): BM017185.D (-2138) (-)

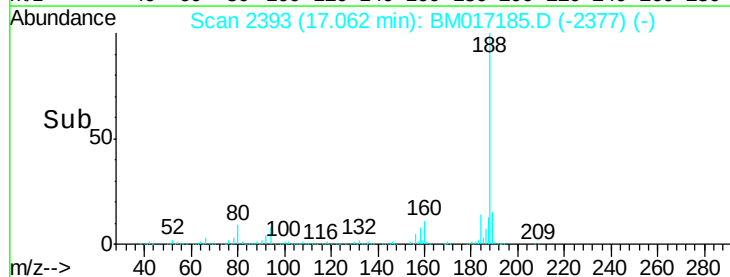
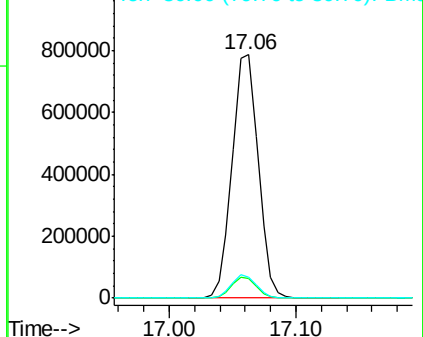


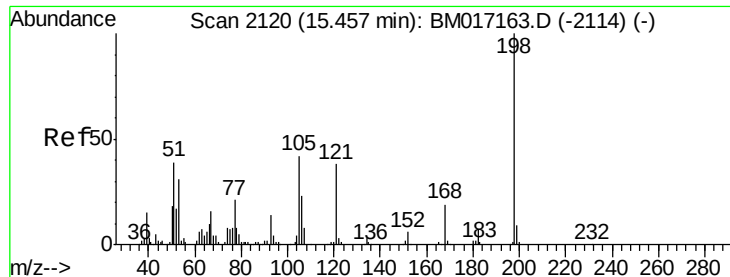
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.06 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

Tgt Ion: 188 Resp: 1119057
Ion Ratio Lower Upper
188 100
94 8.1 7.0 10.4
80 8.7 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): BM017185.D (-2377) (-)
Ion 94.00 (93.70 to 94.70): BM017185.D (-2377) (-)
Ion 80.00 (79.70 to 80.70): BM017185.D (-2377) (-)

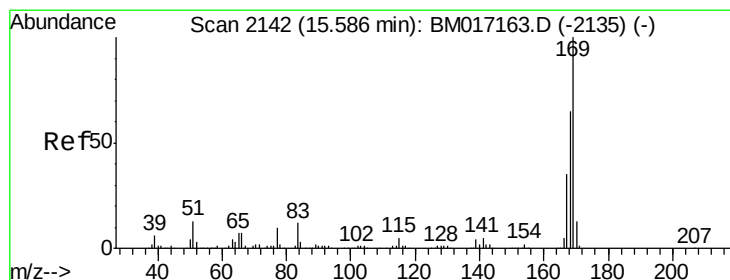
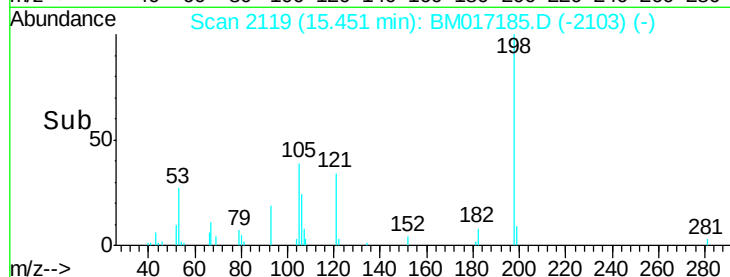
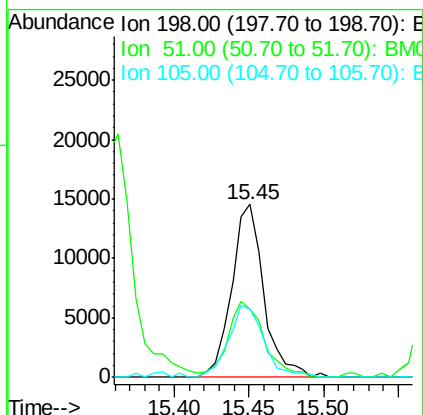
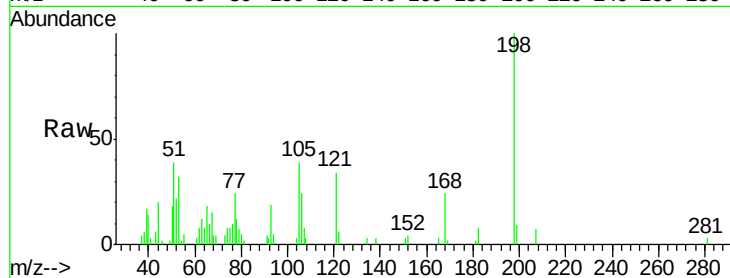




#65
 4,6-Dinitro-2-methylphenol
 Concen: 9.613 ng
 RT: 15.45 min Scan# 2119
 Delta R.T. -0.01 min
 Lab File: BM017185.D
 Acq: 18 Oct 2018 10:22

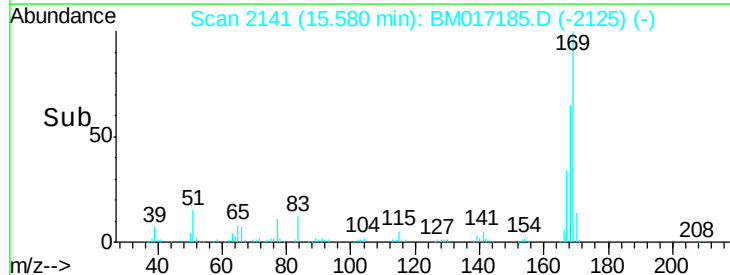
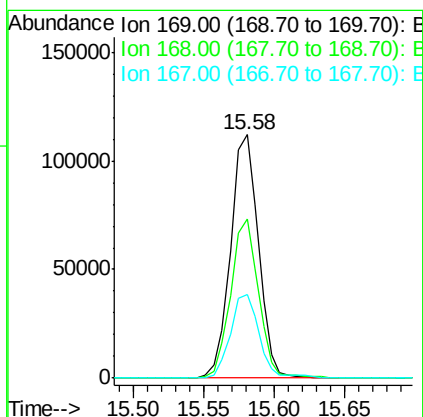
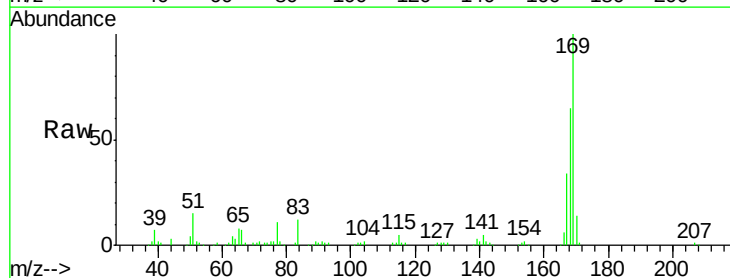
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

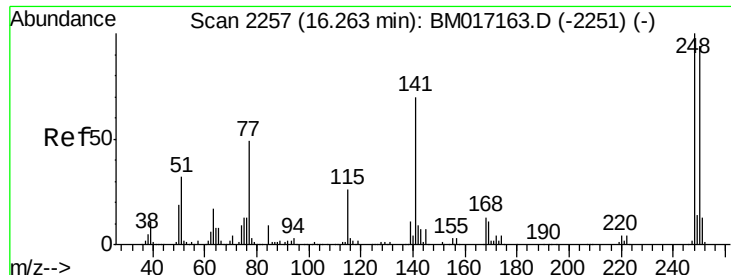
Tgt Ion:198 Resp: 21964
 Ion Ratio Lower Upper
 198 100
 51 39.4 20.3 60.3
 105 39.1 21.9 61.9



#66
 n-Nitrosodiphenylamine
 Concen: 4.562 ng
 RT: 15.58 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: BM017185.D
 Acq: 18 Oct 2018 10:22

Tgt Ion:169 Resp: 154446
 Ion Ratio Lower Upper
 169 100
 168 65.4 52.2 78.4
 167 34.4 28.4 42.6

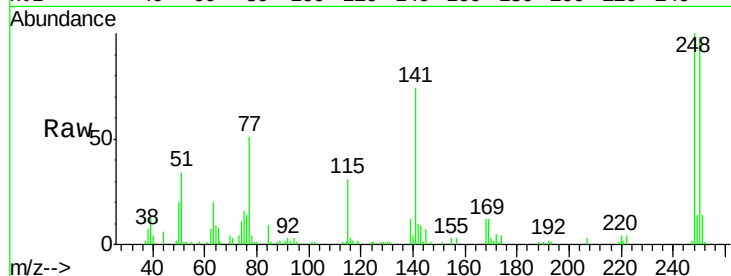




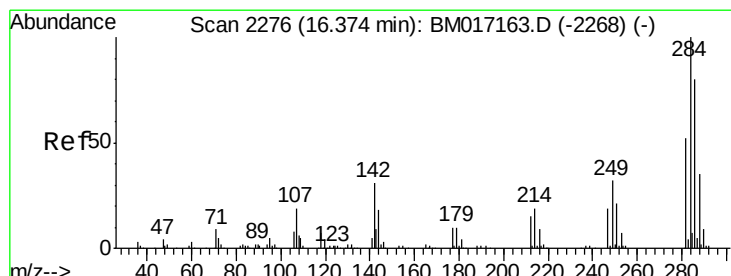
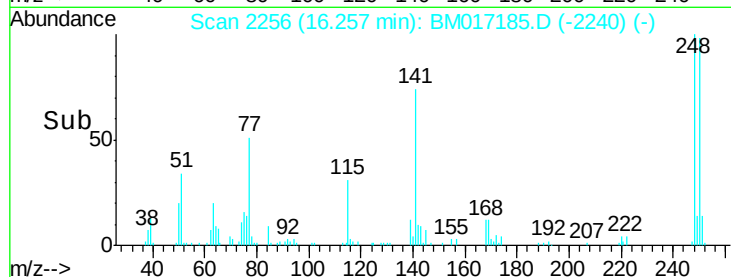
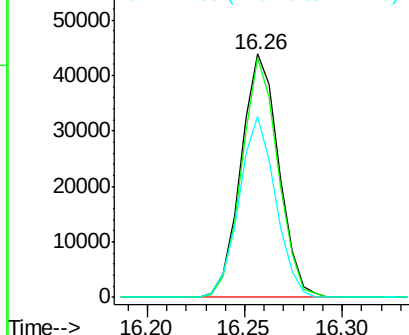
#67
 4-Bromophenyl-phenylether
 Concen: 4.784 ng
 RT: 16.26 min Scan# 2256
 Delta R.T. -0.01 min
 Lab File: BM017185.D
 Acq: 18 Oct 2018 10:22

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 248 Resp: 58780
 Ion Ratio Lower Upper
 248 100
 250 98.4 75.1 112.7
 141 74.2 55.6 83.4

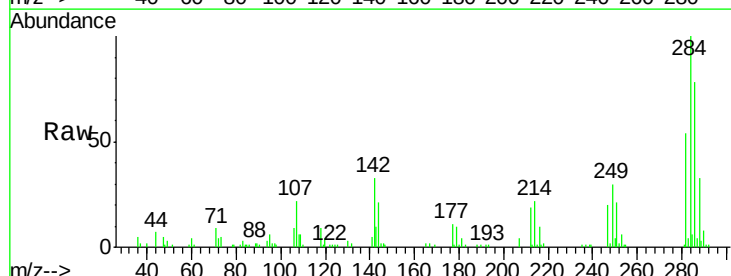


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

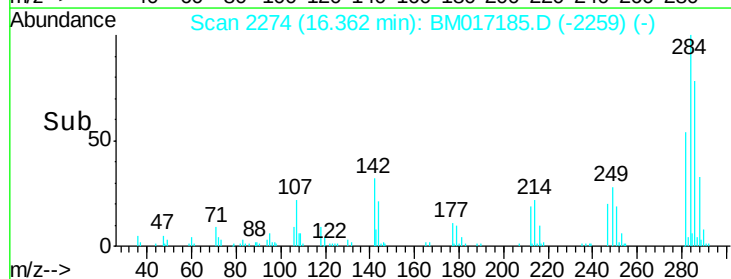
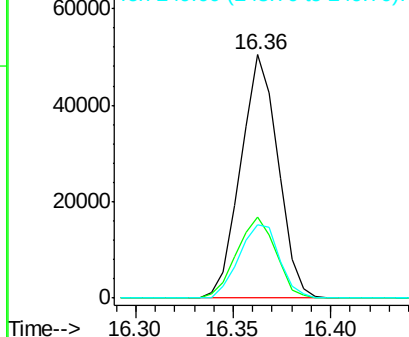


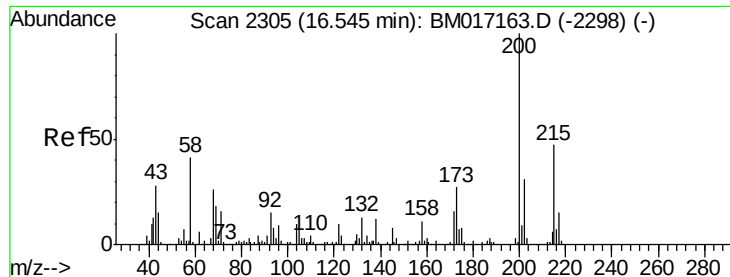
#68
 Hexachlorobenzene
 Concen: 4.695 ng
 RT: 16.36 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: BM017185.D
 Acq: 18 Oct 2018 10:22

Tgt Ion: 284 Resp: 67005
 Ion Ratio Lower Upper
 284 100
 142 33.3 25.0 37.6
 249 30.1 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: 4.229 ng

RT: 16.53 min Scan# 2303

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

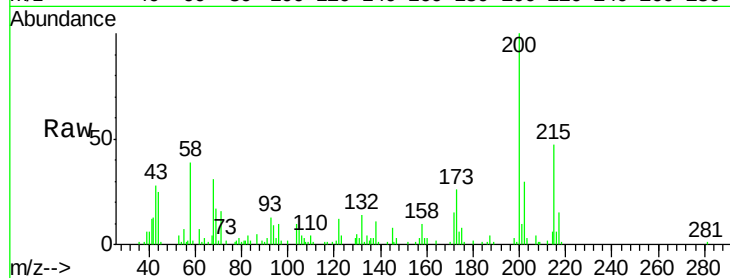
Tgt Ion:200 Resp: 51248

Ion Ratio Lower Upper

200 100

173 26.0 7.0 47.0

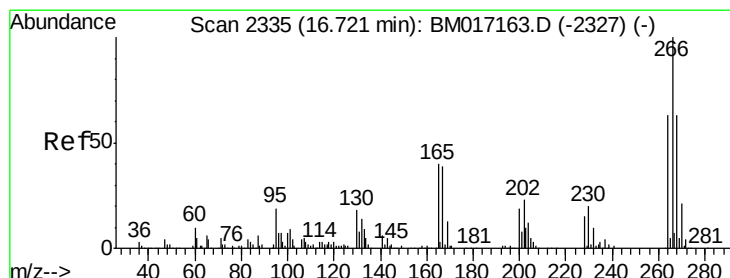
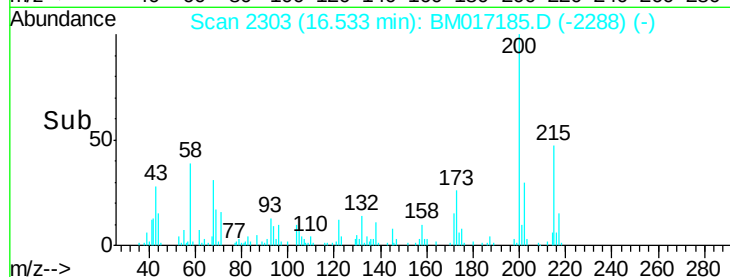
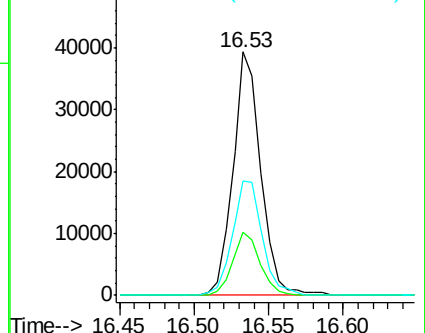
215 47.0 27.3 67.3



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 2.960 ng

RT: 16.71 min Scan# 2333

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

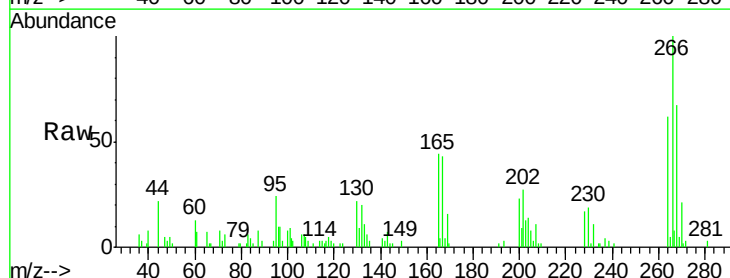
Tgt Ion:266 Resp: 28940

Ion Ratio Lower Upper

266 100

268 67.3 50.7 76.1

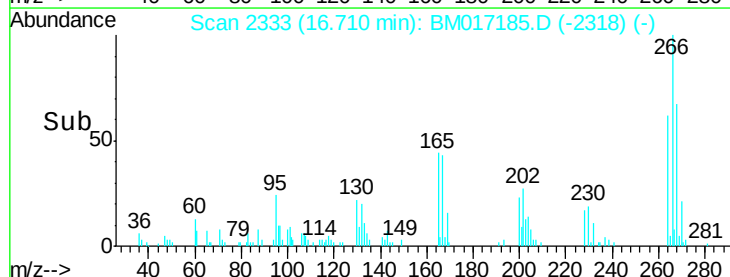
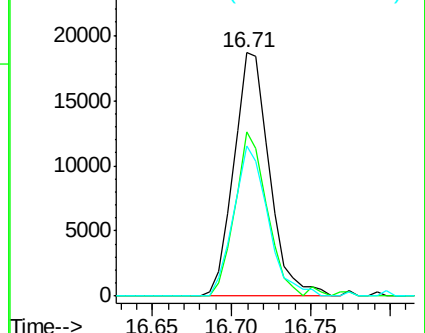
264 61.7 50.4 75.6

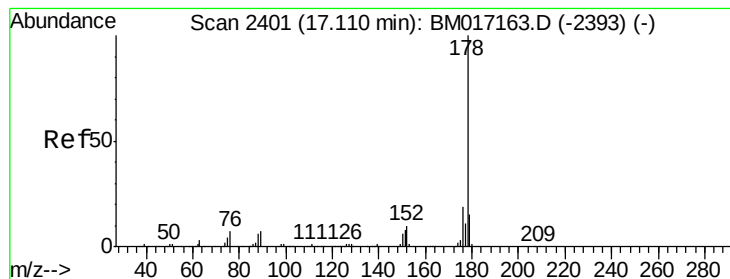


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 5.123 ng

RT: 17.10 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

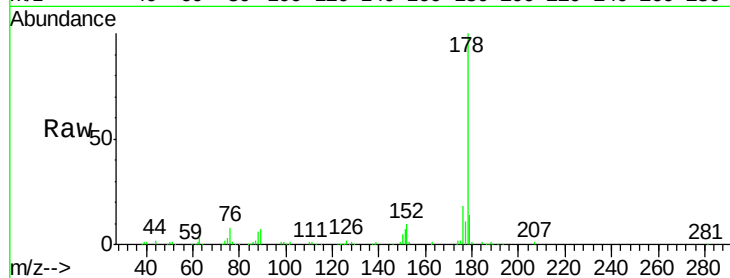
Tgt Ion:178 Resp: 309330

Ion Ratio Lower Upper

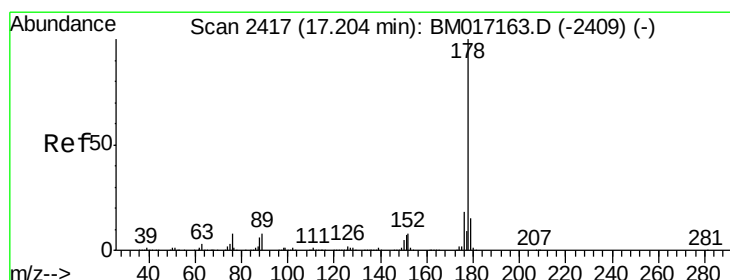
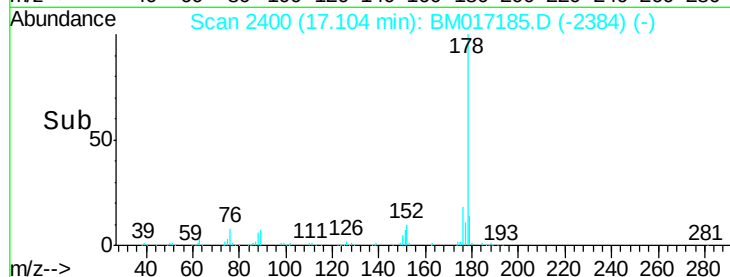
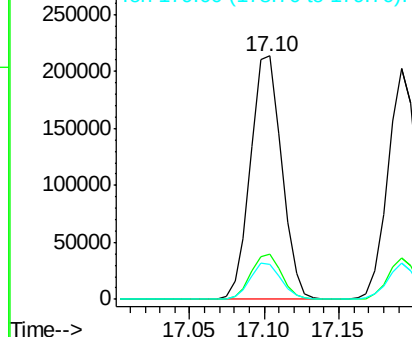
178 100

176 18.4 15.0 22.6

179 14.4 12.3 18.5



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



#72

Anthracene

Concen: 5.000 ng

RT: 17.19 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

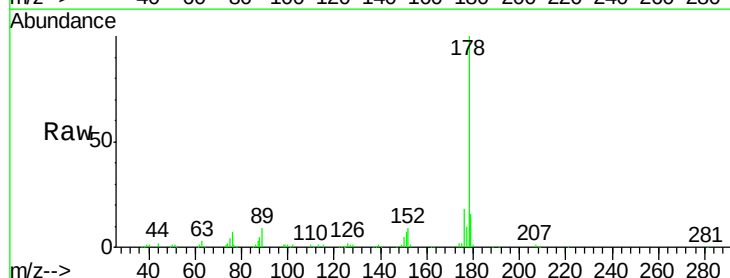
Tgt Ion:178 Resp: 286827

Ion Ratio Lower Upper

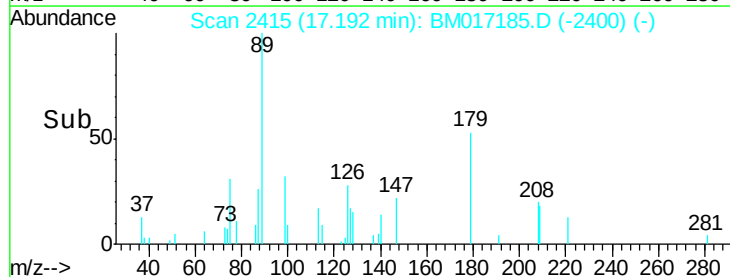
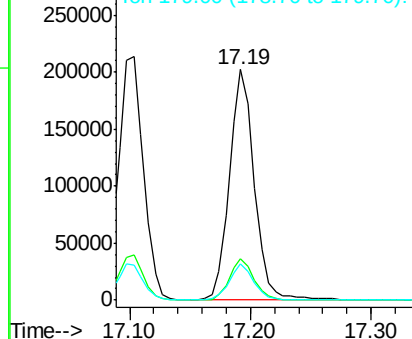
178 100

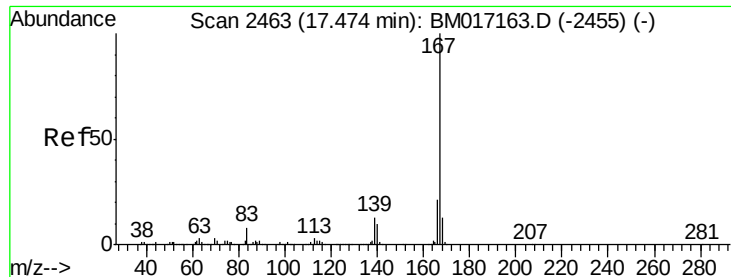
176 17.8 14.5 21.7

179 15.8 12.2 18.2



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

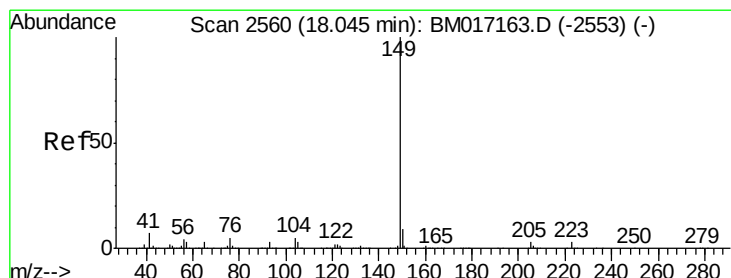
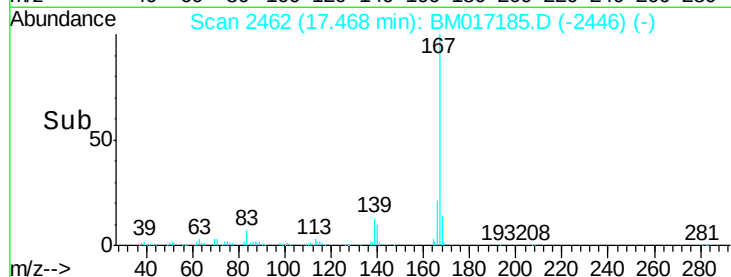
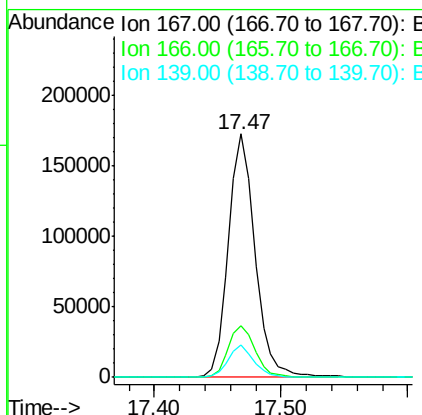
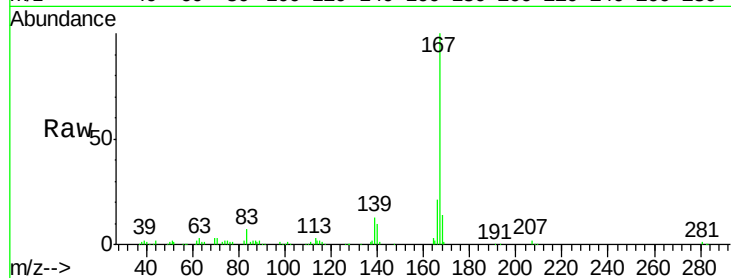




#73
 Carbazole
 Concen: 4.308 ng
 RT: 17.47 min Scan# 2462
 Delta R.T. -0.01 min
 Lab File: BM017185.D
 Acq: 18 Oct 2018 10:22

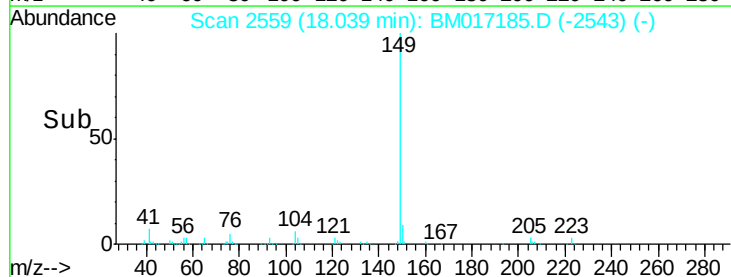
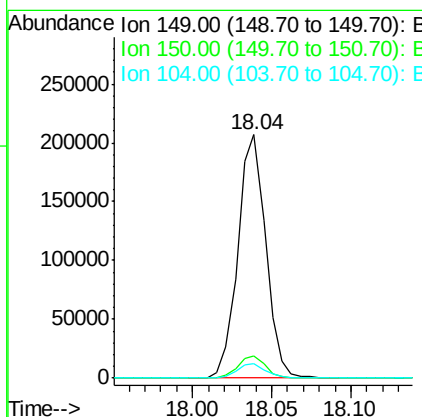
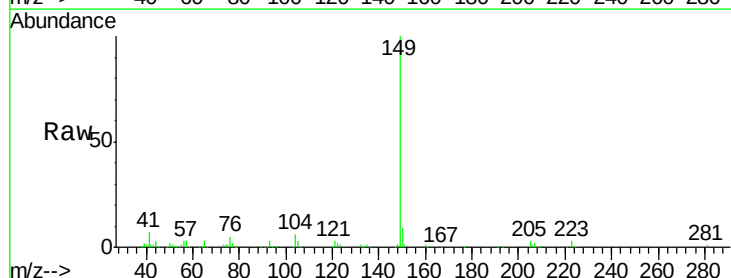
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

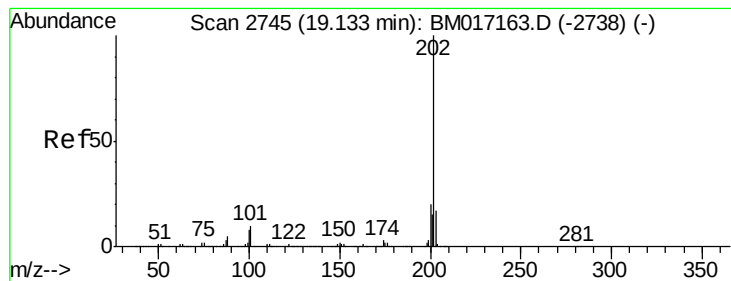
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	13.5	10.1	15.1



#74
 Di-n-butylphthalate
 Concen: 4.090 ng
 RT: 18.04 min Scan# 2559
 Delta R.T. -0.01 min
 Lab File: BM017185.D
 Acq: 18 Oct 2018 10:22

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.8	4.3	6.5





#75

Fluoranthene

Concen: 5.013 ng

RT: 19.12 min Scan# 2743

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

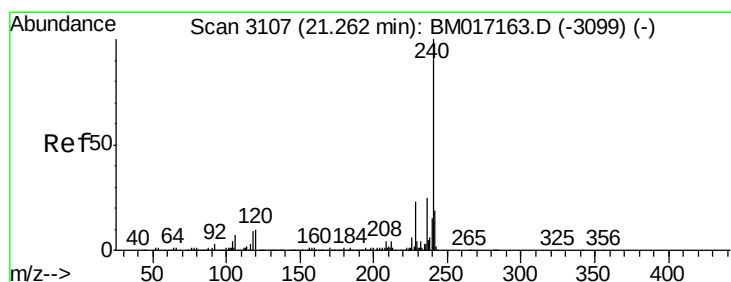
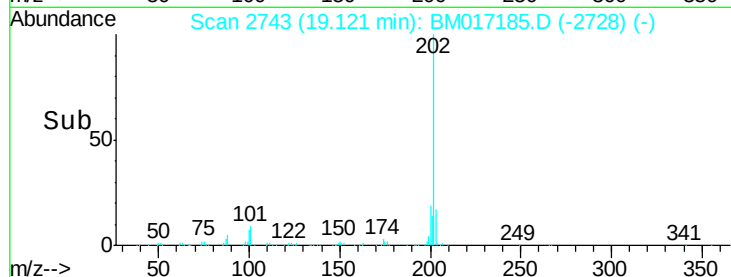
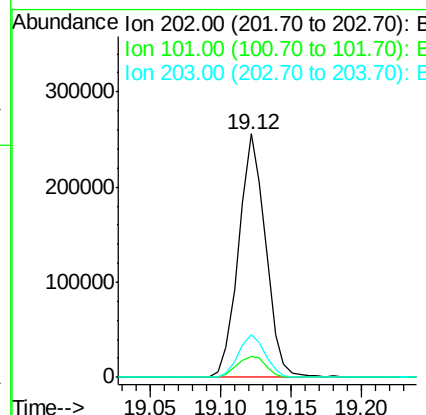
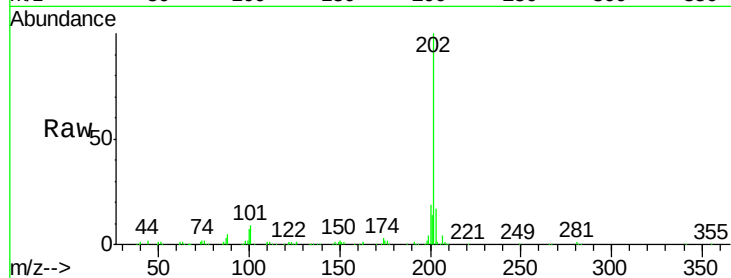
Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	202	Resp:	340574
Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	30.0
203	17.3	0.0	37.2



#76

Chrysene-d12

Concen: 20.000 ng

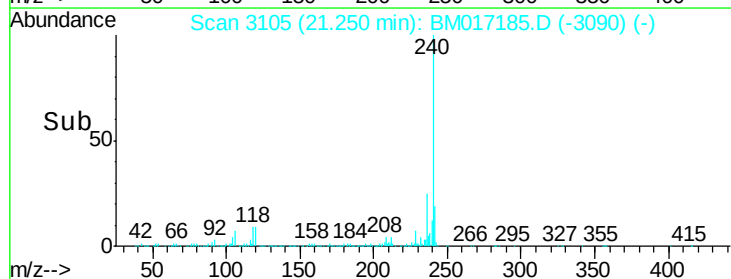
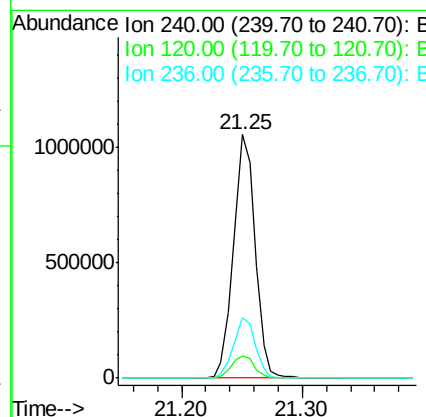
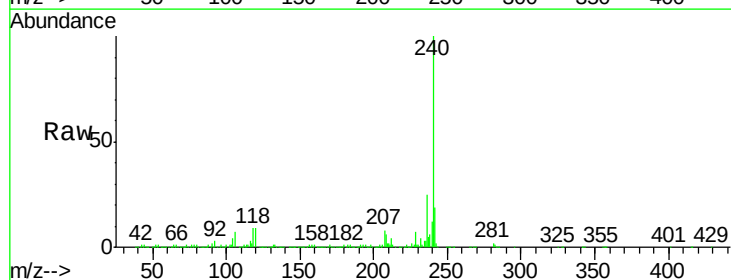
RT: 21.25 min Scan# 3105

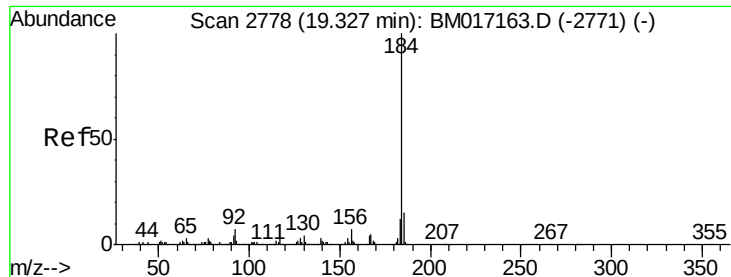
Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Tgt Ion:	240	Resp:	1329997
Ion	Ratio	Lower	Upper
240	100		
120	9.3	8.1	12.1
236	25.0	19.9	29.9





#77

Benzidine

Concen: 2.249 ng

RT: 19.32 min Scan# 2777

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

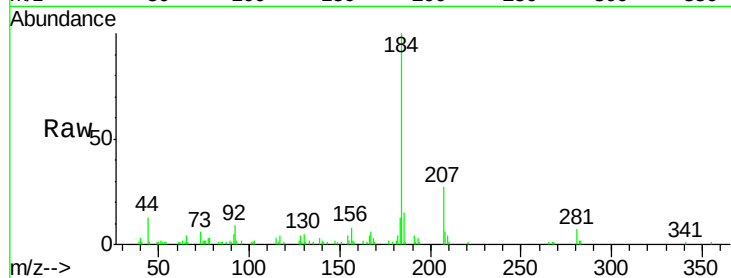
Tgt Ion:184 Resp: 75847

Ion Ratio Lower Upper

184 100

185 14.6 11.8 17.8

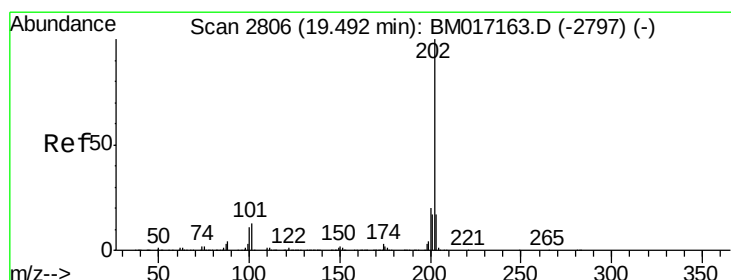
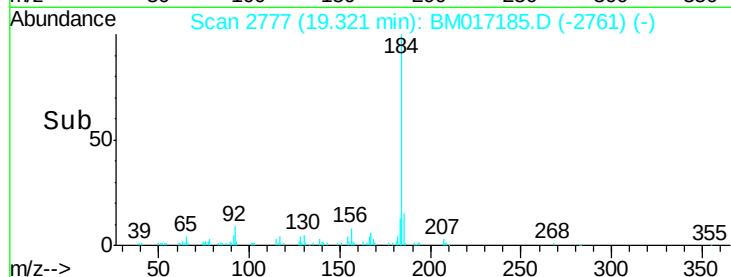
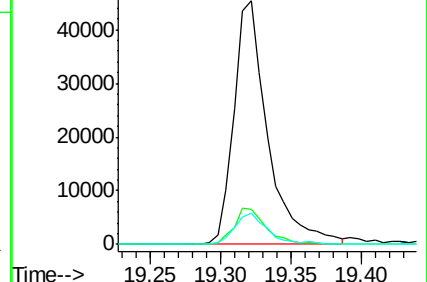
183 13.0 9.7 14.5



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: 4.789 ng

RT: 19.49 min Scan# 2805

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

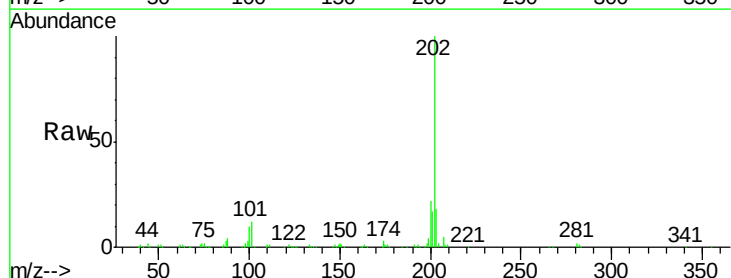
Tgt Ion:202 Resp: 355973

Ion Ratio Lower Upper

202 100

200 21.6 16.3 24.5

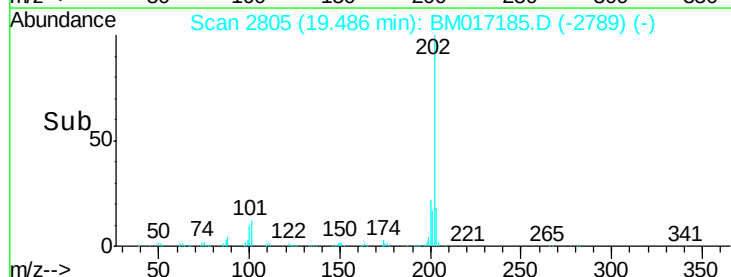
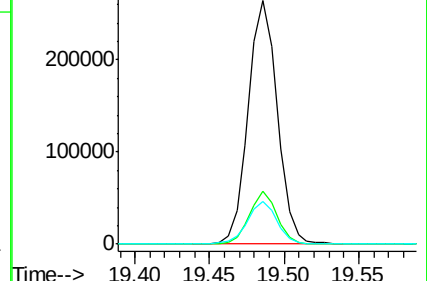
203 17.6 13.9 20.9

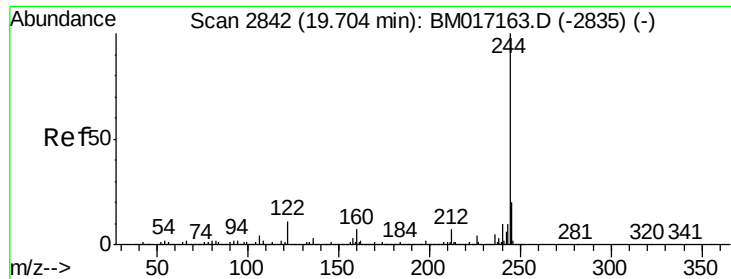


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 79.868 ng

RT: 19.70 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

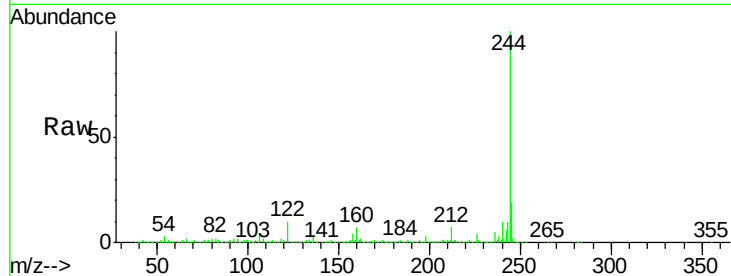
Tgt Ion:244 Resp: 4712663

Ion Ratio Lower Upper

244 100

212 7.3 5.5 8.3

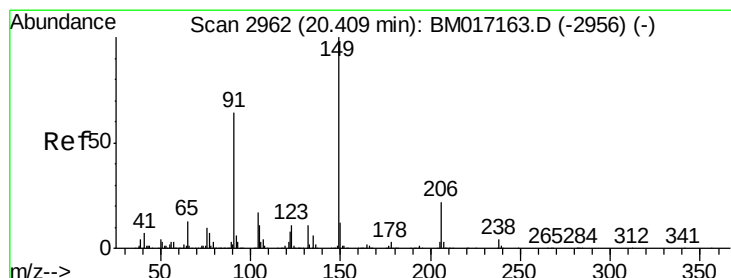
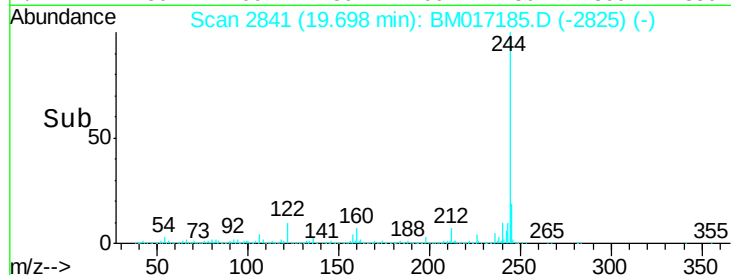
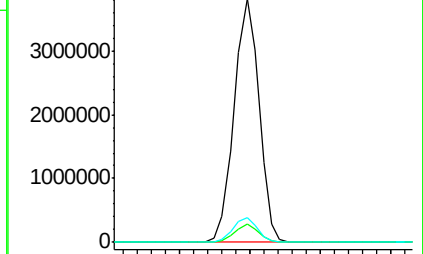
122 9.9 8.4 12.6



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: 10.397 ng

RT: 20.40 min Scan# 2960

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

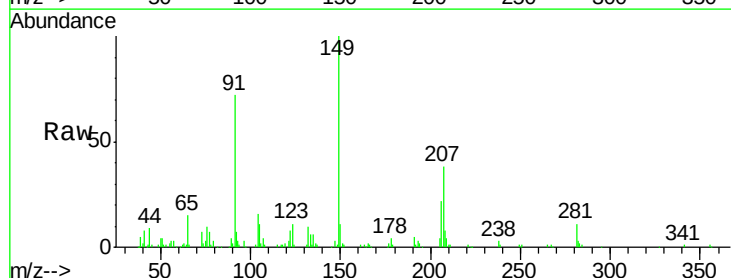
Tgt Ion:149 Resp: 107116

Ion Ratio Lower Upper

149 100

91 72.1 51.3 76.9

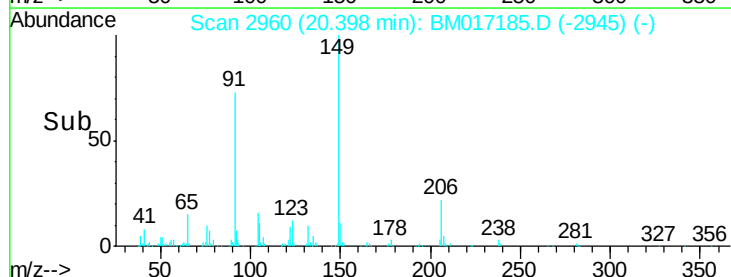
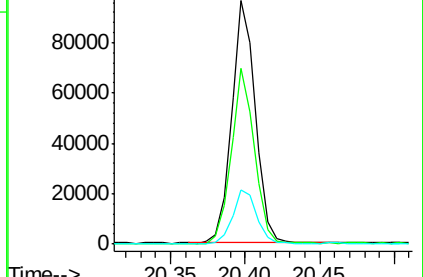
206 22.2 18.0 27.0

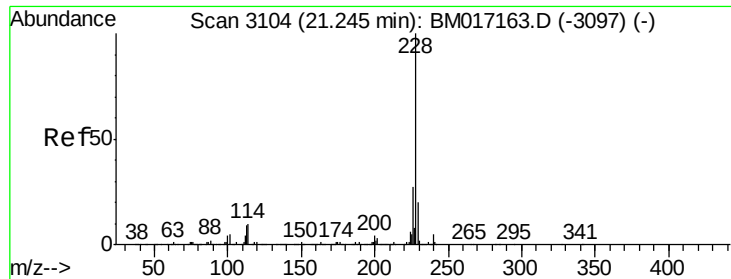


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

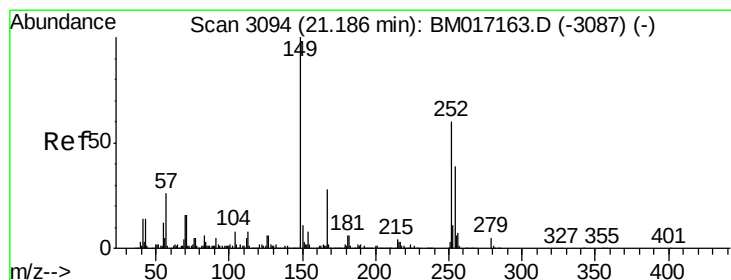
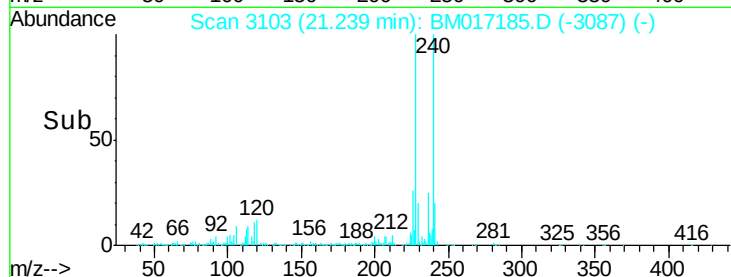
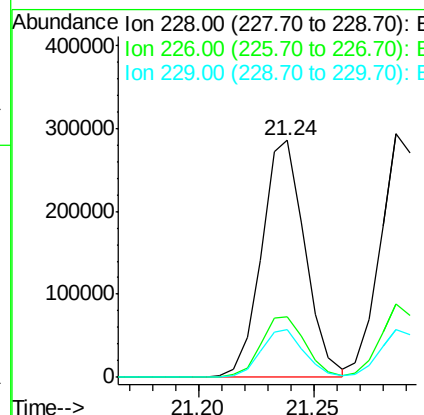
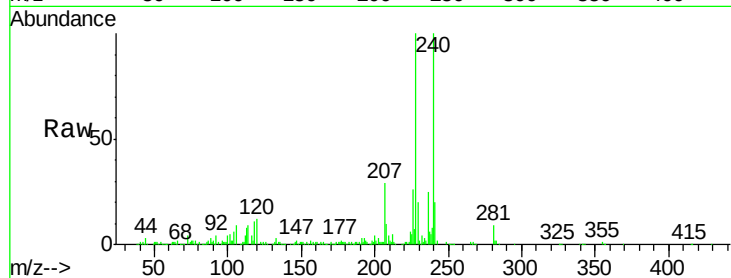




#81
Benzo(a)anthracene
Concen: 4.959 ng
RT: 21.24 min Scan# 3103
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

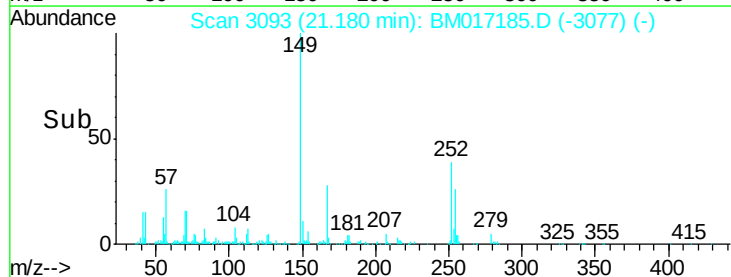
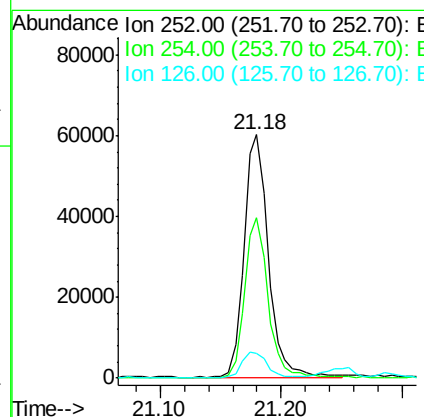
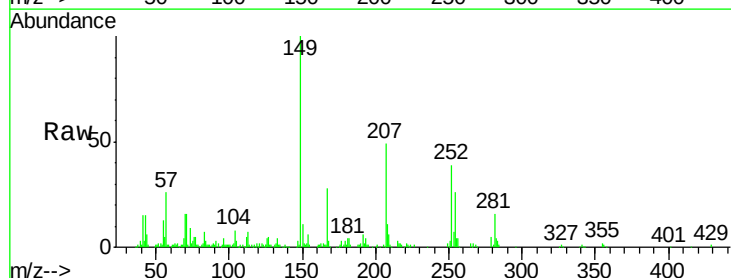
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

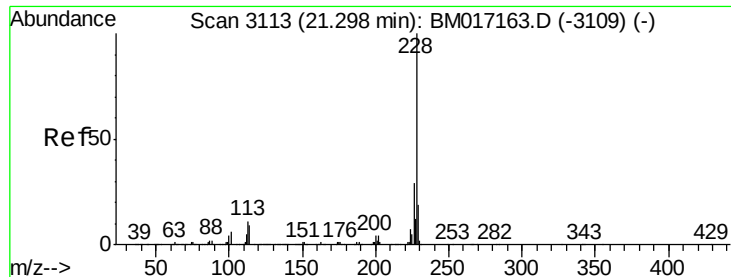
Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.6	21.4	32.0
229	20.0	15.9	23.9



#82
3,3'-Dichlorobenzidine
Concen: 3.075 ng
RT: 21.18 min Scan# 3093
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.1	52.1	78.1
126	10.1	8.6	12.8





#83

Chrysene

Concen: 5.064 ng

RT: 21.29 min Scan# 3111

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

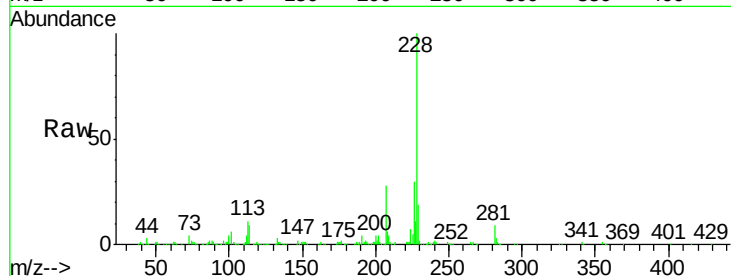
Tgt Ion: 228 Resp: 375133

Ion Ratio Lower Upper

228 100

226 30.0 23.3 34.9

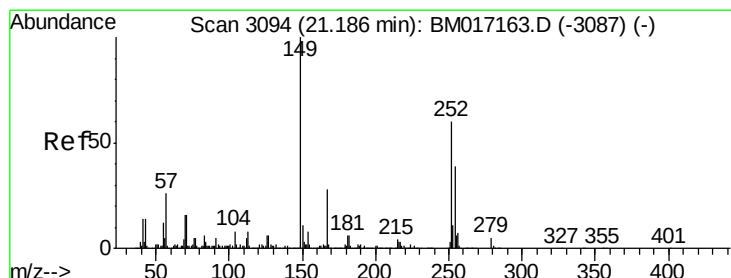
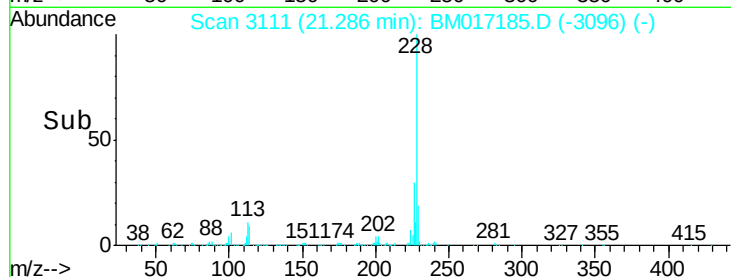
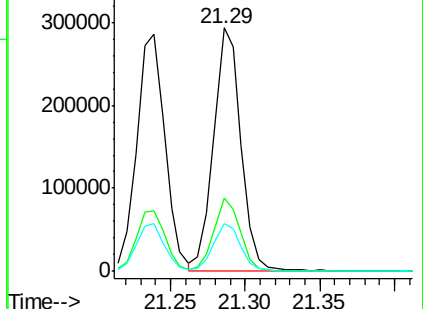
229 19.5 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.553 ng

RT: 21.18 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

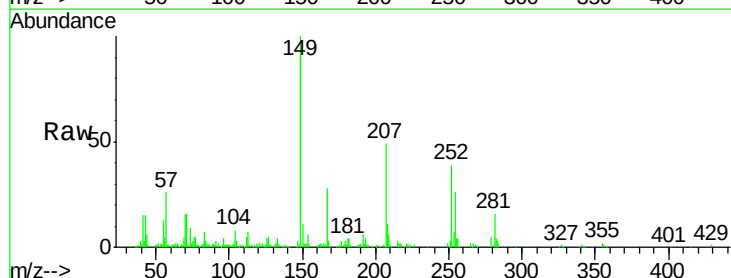
Tgt Ion: 149 Resp: 157905

Ion Ratio Lower Upper

149 100

167 28.0 22.2 33.4

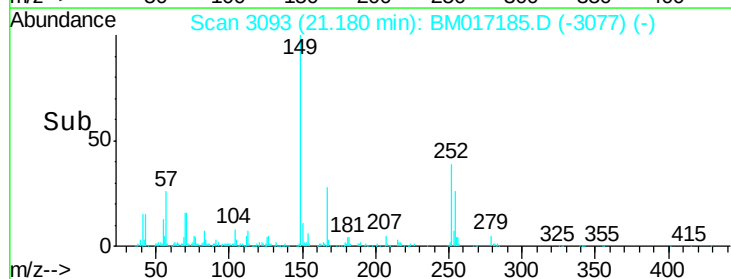
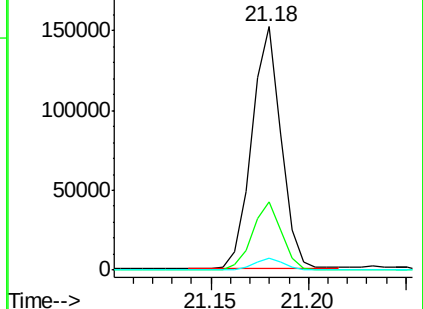
279 4.7 3.6 5.4

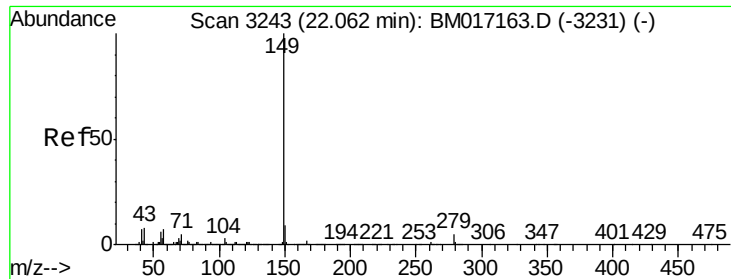


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

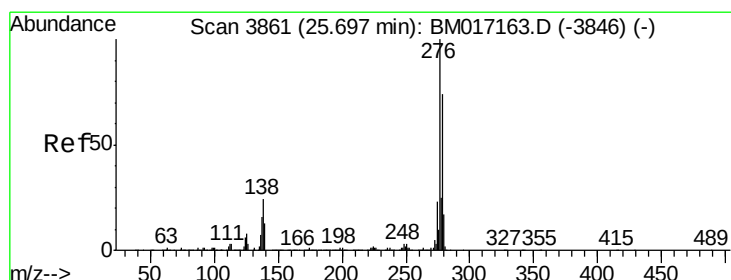
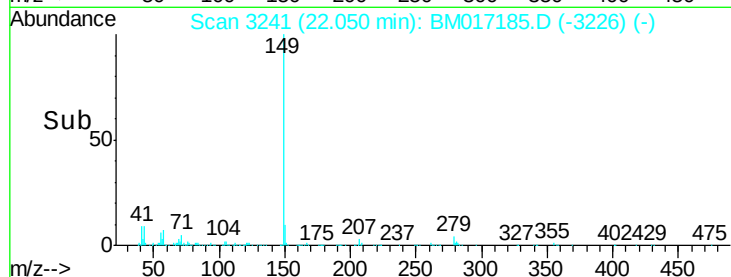
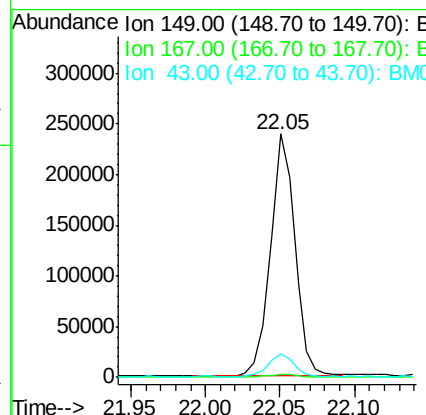
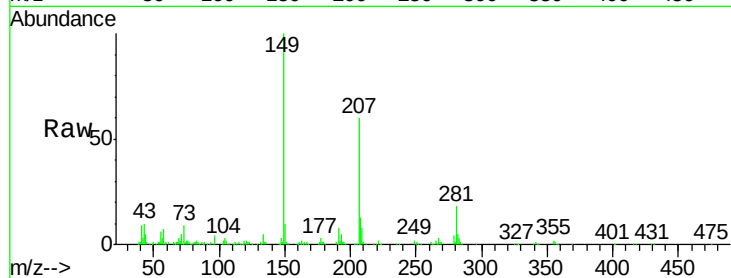




#85
Di-n-octyl phthalate
Concen: 8.816 ng
RT: 22.05 min Scan# 3241
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

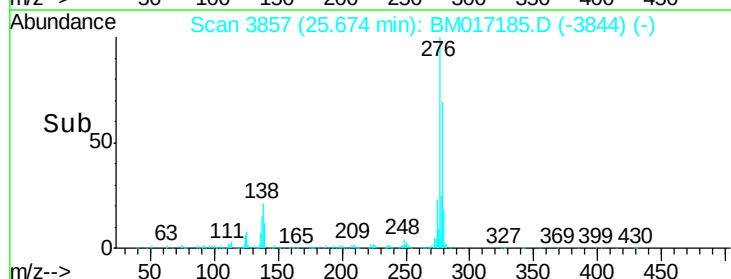
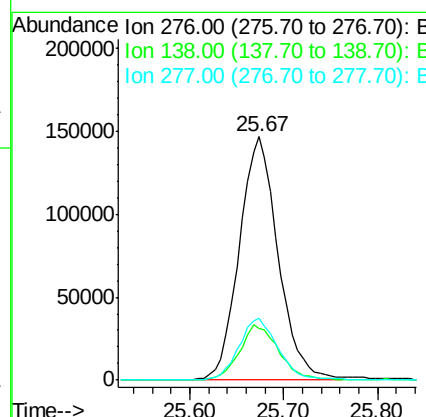
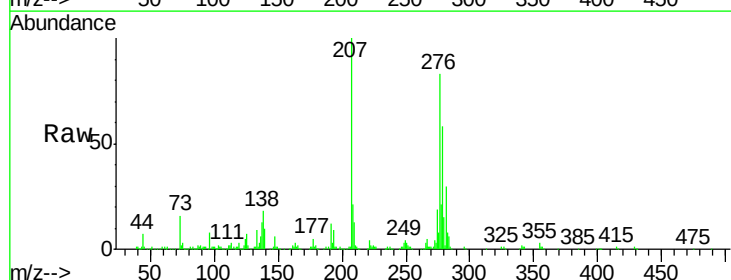
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

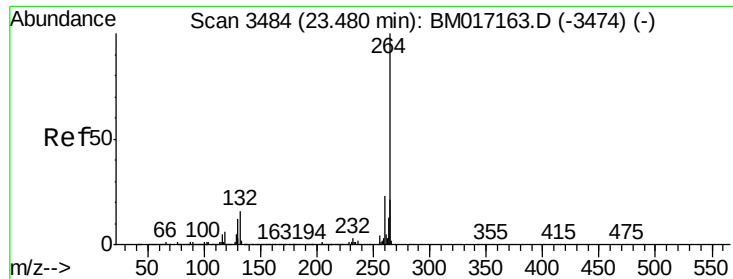
Tgt Ion	Ratio	Lower	Upper
149	100		
167	2.0	1.4	2.0
43	9.7	7.2	10.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 5.076 ng
RT: 25.67 min Scan# 3857
Delta R.T. -0.02 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.0	19.5	29.3
277	25.4	20.1	30.1



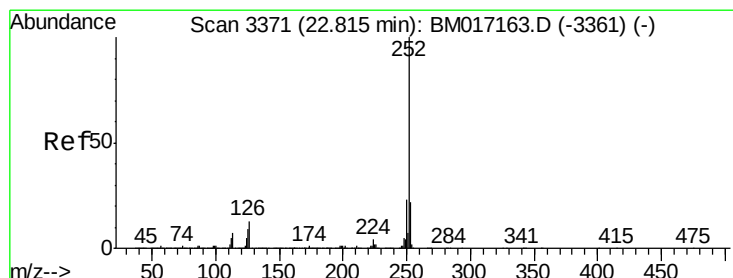
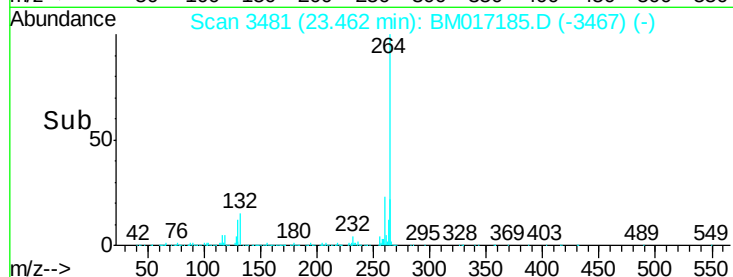
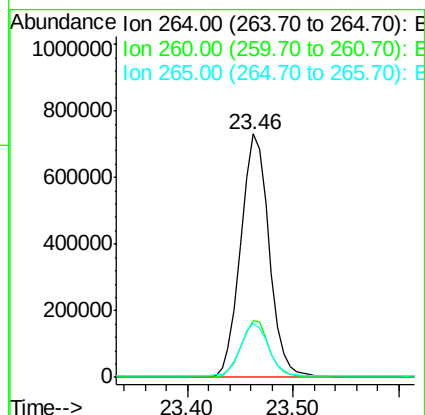
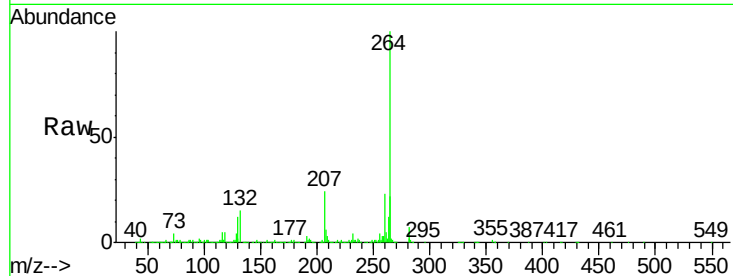


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.46 min Scan# 3481
Delta R.T. -0.02 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:264 Resp: 1369520

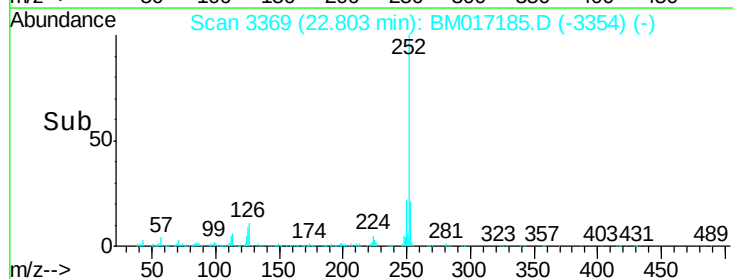
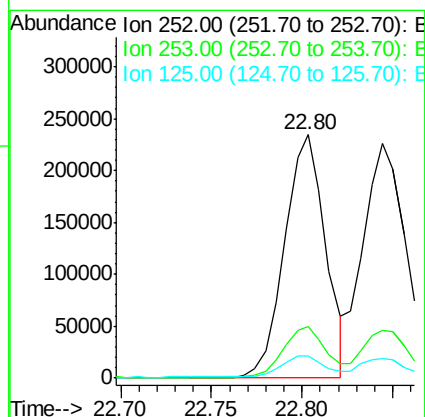
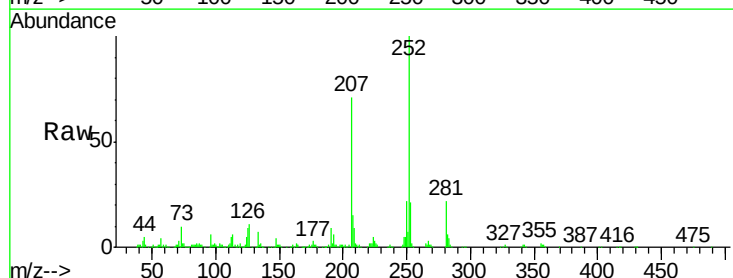
Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	27.8
265	22.5	17.8	26.8

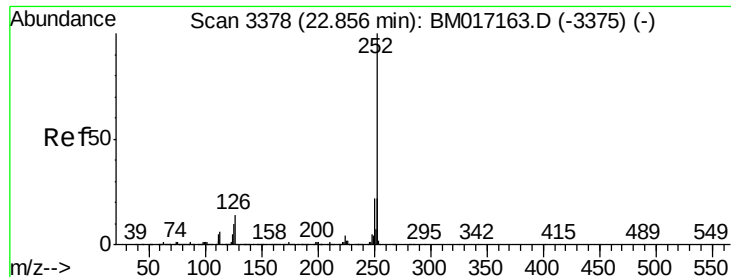


#88
Benzo(b)fluoranthene
Concen: 4.908 ng
RT: 22.80 min Scan# 3369
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

Tgt Ion:252 Resp: 367489

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.4	26.2
125	8.9	7.5	11.3

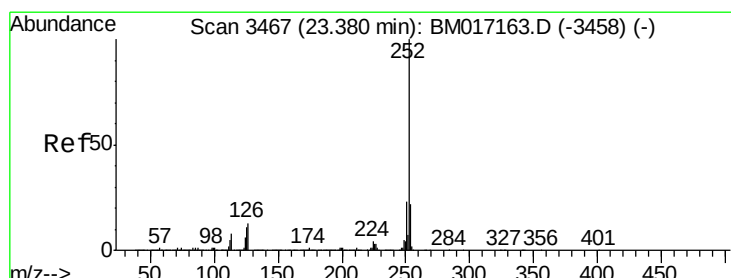
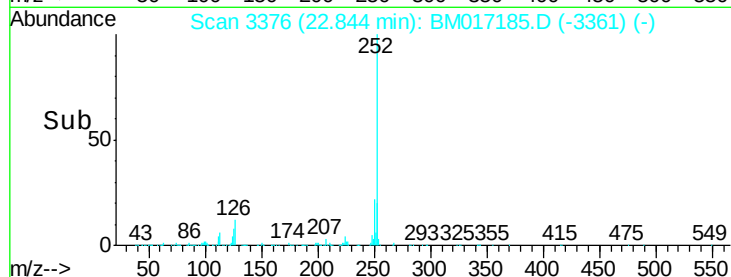
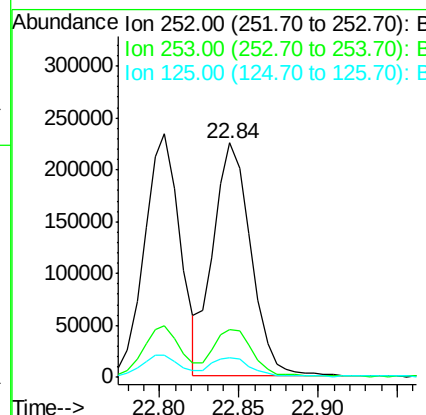
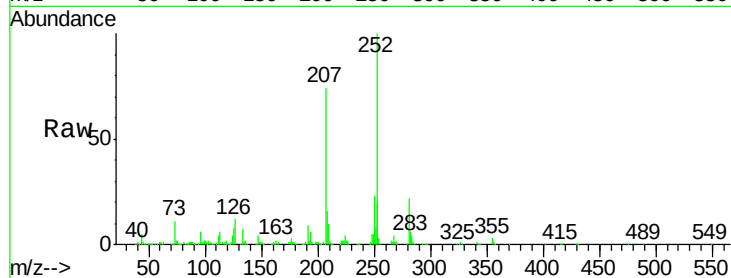




#89
Benzo(k)fluoranthene
Concen: 4.949 ng
RT: 22.84 min Scan# 3376
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

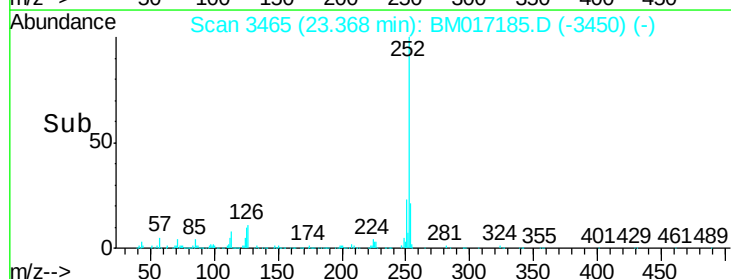
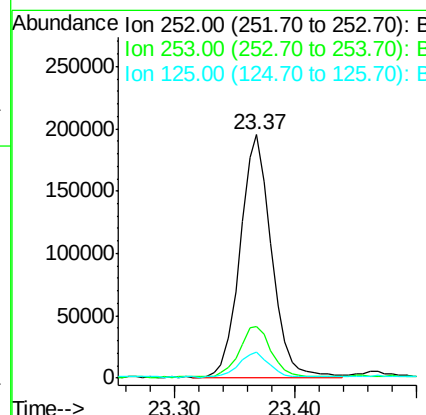
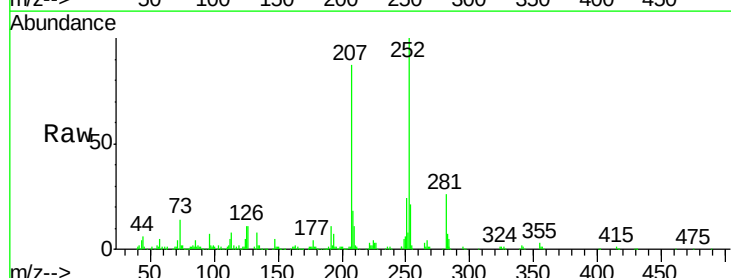
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

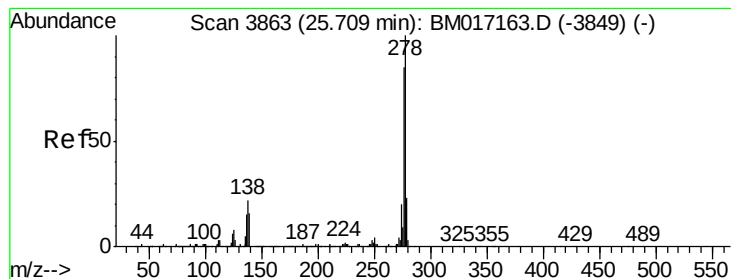
Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.4	17.5	26.3
125	8.3	8.2	12.2



#90
Benzo(a)pyrene
Concen: 4.949 ng
RT: 23.37 min Scan# 3465
Delta R.T. -0.01 min
Lab File: BM017185.D
Acq: 18 Oct 2018 10:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.4	26.0
125	10.5	8.6	13.0





#91

Dibenzo(a,h)anthracene

Concen: 5.073 ng

RT: 25.69 min Scan# 3859

Delta R.T. -0.02 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

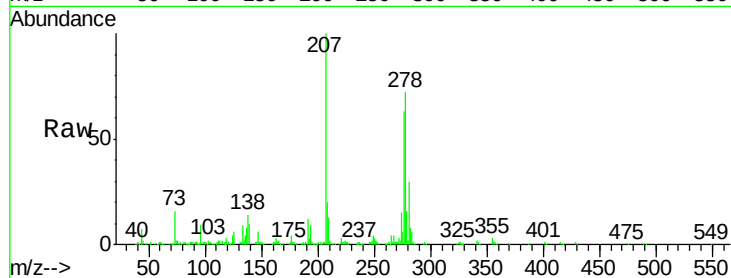
Tgt Ion:278 Resp: 358116

Ion Ratio Lower Upper

278 100

139 13.8 12.7 19.1

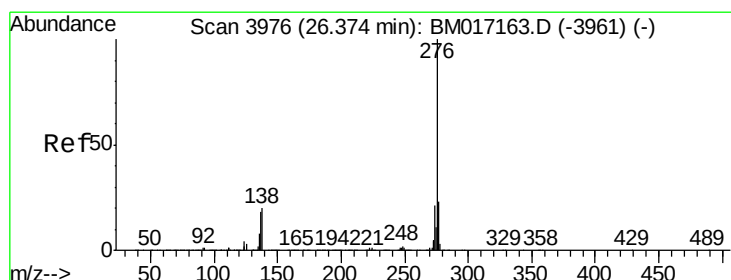
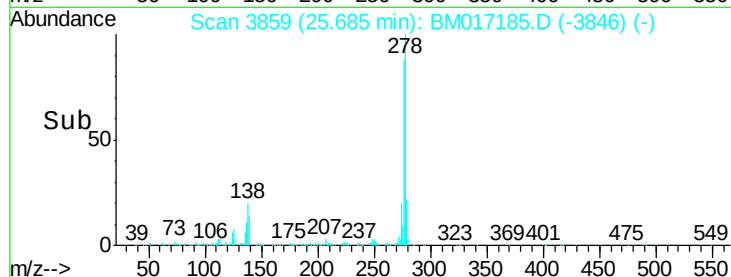
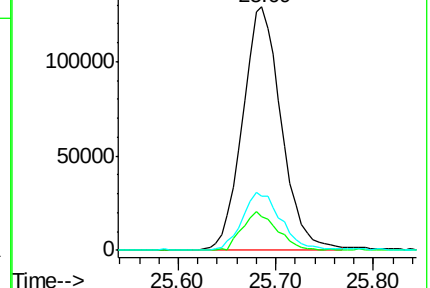
279 22.3 18.7 28.1



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 5.145 ng

RT: 26.34 min Scan# 3971

Delta R.T. -0.03 min

Lab File: BM017185.D

Acq: 18 Oct 2018 10:22

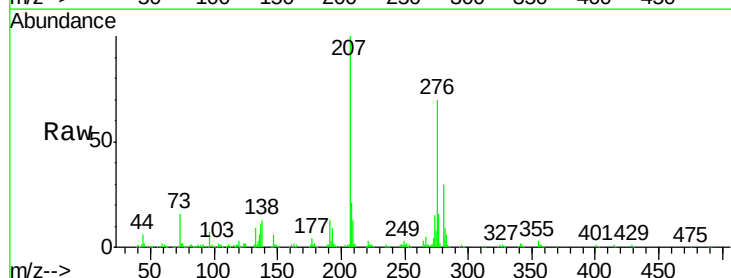
Tgt Ion:276 Resp: 359999

Ion Ratio Lower Upper

276 100

277 23.5 18.6 28.0

138 18.3 16.4 24.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

