

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101718\
 Data File : BM017186.D
 Acq On : 18 Oct 2018 10:57
 Operator : MJ/SJ
 Sample : J5164-01
 Misc : LOD 8 PPM
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Oct 18 13:06:14 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	222525	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	911391	20.00	ng	0.00
39) Acenaphthene-d10	14.31	164	536461	20.00	ng	0.00
64) Phenanthrene-d10	17.06	188	1270367	20.00	ng	0.00
76) Chrysene-d12	21.25	240	1526499	20.00	ng	-0.01
87) Perylene-d12	23.46	264	1609688	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.28	112	1557796	118.40	ng	0.00
7) Phenol-d6	6.85	99	2028259	113.19	ng	0.00
23) Nitrobenzene-d5	8.82	82	1211822	77.76	ng	-0.01
42) 2,4,6-Tribromophenol	15.80	330	897529	123.71	ng	-0.01
45) 2-Fluorobiphenyl	12.93	172	2918762	72.39	ng	0.00
79) Terphenyl-d14	19.70	244	4745613	70.07	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.26	88	38743	5.767	ng	# 85
3) Pyridine	3.65	79	98097	6.346	ng	# 82
4) n-Nitrosodimethylamine	3.56	42	44947	7.243	ng	# 71
6) Aniline	7.01	93	114270	5.098	ng	96
8) 2-Chlorophenol	7.24	128	102425	6.729	ng	92
9) Benzaldehyde	6.83	77	75845	6.638	ng	97
10) Phenol	6.87	94	126382	6.553	ng	96
11) bis(2-Chloroethyl)ether	7.10	93	94841	6.169	ng	99
12) 1,3-Dichlorobenzene	7.56	146	116318	6.556	ng	97
13) 1,4-Dichlorobenzene	7.70	146	117810	6.499	ng	98
14) 1,2-Dichlorobenzene	8.02	146	111926	6.408	ng	96
15) Benzyl Alcohol	7.92	79	83348	6.364	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.20	45	125794	5.857	ng	96
17) 2-Methylphenol	8.11	107	80896	6.535	ng	97
18) Hexachloroethane	8.73	117	39042	6.293	ng	95
19) n-Nitroso-di-n-propylamine	8.47	70	72370	6.134	ng	99
20) 3+4-Methylphenols	8.43	107	110132	6.505	ng	95
22) Acetophenone	8.49	105	148364	6.422	ng	96
24) Nitrobenzene	8.86	77	118840	7.210	ng	96
25) Isophorone	9.39	82	189187	7.352	ng	97
26) 2-Nitrophenol	9.57	139	41283	10.419	ng	88
27) 2,4-Dimethylphenol	9.63	122	91015	7.999	ng	93
28) bis(2-Chloroethoxy)methane	9.87	93	126918	7.008	ng	99
29) 2,4-Dichlorophenol	10.10	162	85689	6.486	ng	99
30) 1,2,4-Trichlorobenzene	10.31	180	104851	6.616	ng	97
31) Naphthalene	10.49	128	321132	7.190	ng	98
32) Benzoic acid	9.70	122	36846	4.340	ng	92
33) 4-Chloroaniline	10.62	127	93511	4.848	ng	# 96
34) Hexachlorobutadiene	10.77	225	67025	6.675	ng	96
35) Caprolactam	11.39	113	24709	5.132	ng	# 84
36) 4-Chloro-3-methylphenol	11.74	107	98041	6.584	ng	94
37) 2-Methylnaphthalene	12.11	142	231234	7.566	ng	98
38) 1-Methylnaphthalene	12.33	142	221222	7.437	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.49	216	120010	6.352	ng	99

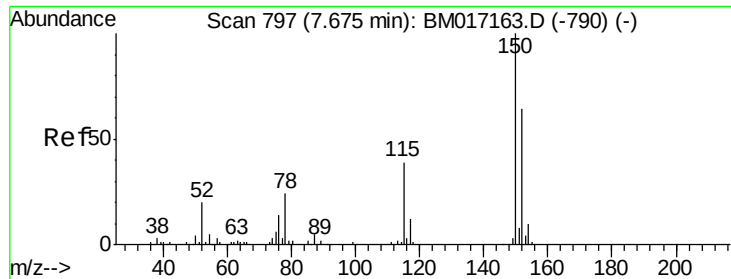
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101718\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.46	237	75005	8.212	ng	99
43) 2,4,6-Trichlorophenol	12.73	196	69890	6.373	ng	98
44) 2,4,5-Trichlorophenol	12.80	196	75927	6.456	ng	97
46) 1,1'-Biphenyl	13.14	154	299075	6.195	ng	99
47) 2-Chloronaphthalene	13.17	162	230708	6.496	ng	98
48) 2-Nitroaniline	13.39	65	54370	10.464	ng	95
49) Acenaphthylene	14.03	152	365182	7.094	ng	99
50) Dimethylphthalate	13.77	163	291661	7.047	ng	99
51) 2,6-Dinitrotoluene	13.89	165	57065	6.264	ng	89
52) Acenaphthene	14.37	154	220853	6.833	ng	98
53) 3-Nitroaniline	14.22	138	45988	4.661	ng	92
54) 2,4-Dinitrophenol	14.43	184	24265	12.300	ng	97
55) Dibenzofuran	14.71	168	364735	6.786	ng	99
56) 4-Nitrophenol	14.53	139	44560	9.380	ng	89
57) 2,4-Dinitrotoluene	14.69	165	72453	5.918	ng	# 88
58) Fluorene	15.36	166	290071	7.291	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.94	232	73214	6.830	ng	97
60) Diethylphthalate	15.14	149	284831	6.939	ng	99
61) 4-Chlorophenyl-phenylether	15.36	204	150922	6.654	ng	95
62) 4-Nitroaniline	15.39	138	57198	9.435	ng	93
63) Azobenzene	15.66	77	262471	6.579	ng	99
65) 4,6-Dinitro-2-methylphenol	15.45	198	37574	10.936	ng	97
66) n-Nitrosodiphenylamine	15.58	169	251081	6.533	ng	99
67) 4-Bromophenyl-phenylether	16.26	248	93566	6.708	ng	95
68) Hexachlorobenzene	16.36	284	105898	6.536	ng	92
69) Atrazine	16.53	200	87301	6.346	ng	99
70) Pentachlorophenol	16.71	266	50213	4.524	ng	96
71) Phenanthrene	17.10	178	489349	7.140	ng	98
72) Anthracene	17.19	178	467238	7.174	ng	99
73) Carbazole	17.47	167	416494	6.261	ng	99
74) Di-n-butylphthalate	18.04	149	434871	6.198	ng	100
75) Fluoranthene	19.12	202	563938	7.312	ng	99
77) Benzidine	19.32	184	136702	3.532	ng	98
78) Pyrene	19.49	202	584027	6.845	ng	99
80) Butylbenzylphthalate	20.40	149	186187	12.053	ng	91
81) Benzo(a)anthracene	21.24	228	613006	7.136	ng	99
82) 3,3'-Dichlorobenzidine	21.18	252	149215	4.661	ng	99
83) Chrysene	21.29	228	604985	7.115	ng	100
84) Bis(2-ethylhexyl)phthalate	21.18	149	276162	10.253	ng	98
85) Di-n-octyl phthalate	22.05	149	472219	10.532	ng	99
86) Indeno(1,2,3-cd)pyrene	25.67	276	689092	7.246	ng	98
88) Benzo(b)fluoranthene	22.80	252	626841	7.123	ng	99
89) Benzo(k)fluoranthene	22.84	252	582112	6.592	ng	99
90) Benzo(a)pyrene	23.37	252	582744	6.974	ng	98
91) Dibenzo(a,h)anthracene	25.69	278	580129	6.992	ng	99
92) Benzo(g,h,i)perylene	26.35	276	580404	7.058	ng	99

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

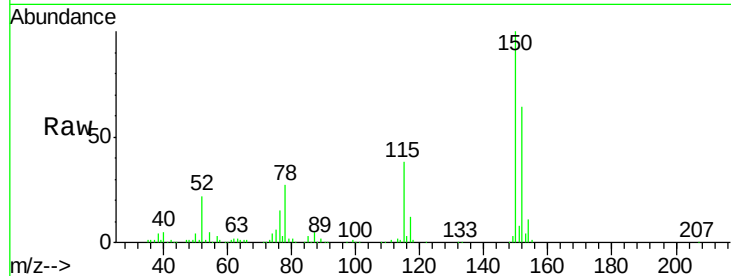


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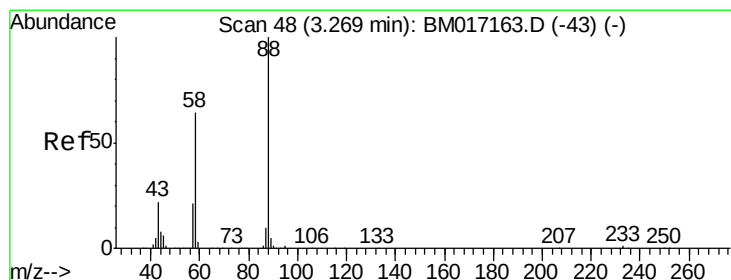
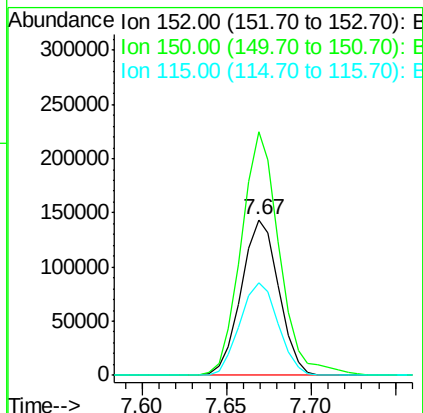
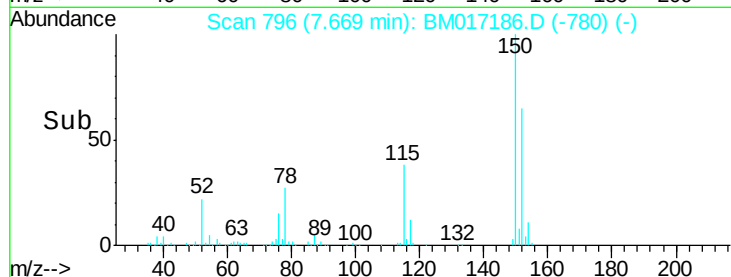
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.67 min Scan# 796
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

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

Tgt Ion: 152 Resp: 222525
Ion Ratio Lower Upper
152 100
150 156.2 124.3 186.5
115 59.3 48.1 72.1



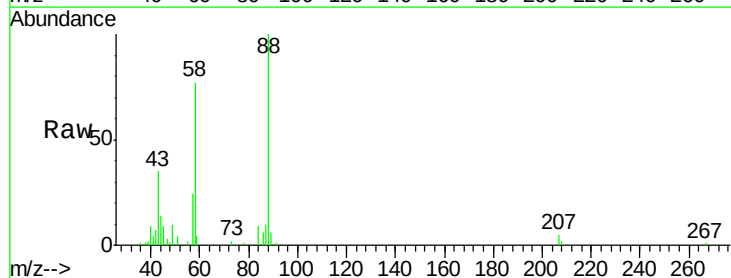
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



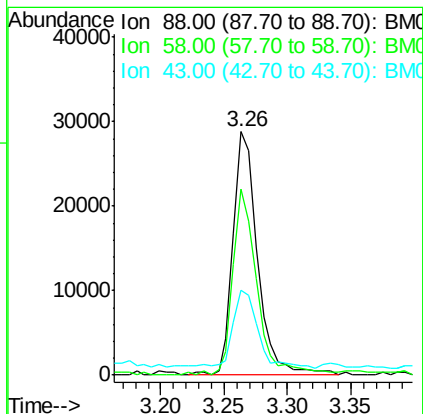
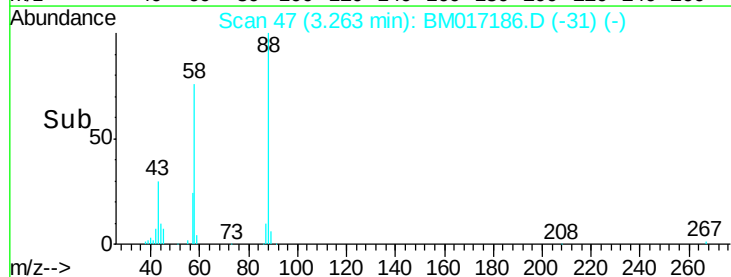
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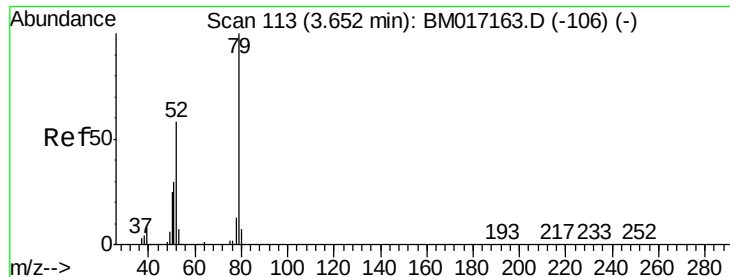
1,4-Dioxane
Concen: 5.767 ng
RT: 3.26 min Scan# 47
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

Tgt Ion: 88 Resp: 38743
Ion Ratio Lower Upper
88 100
58 74.7 50.2 75.4
43 31.5 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: 6.346 ng

RT: 3.65 min Scan# 113

Delta R.T. -0.00 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

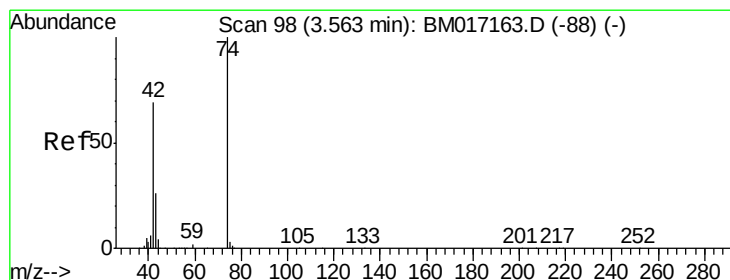
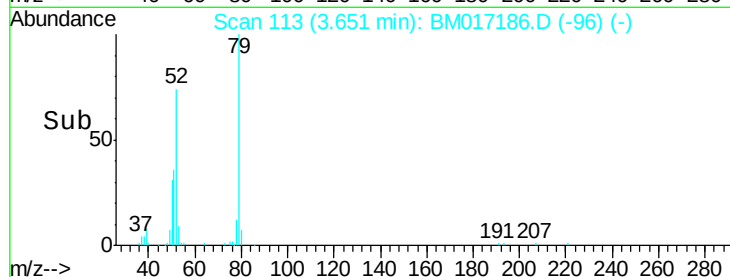
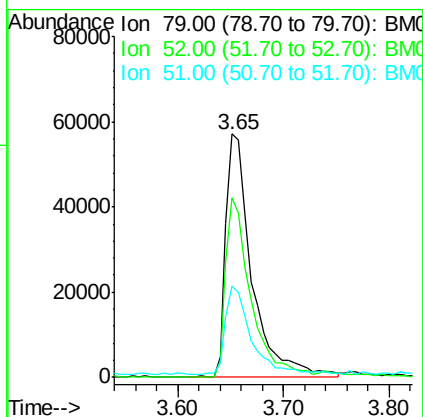
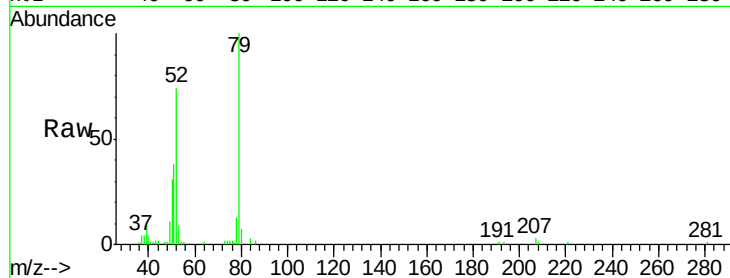
Tgt Ion: 79 Resp: 98097

Ion Ratio Lower Upper

79 100

52 73.9 46.5 69.7#

51 37.7 24.6 37.0#



#4

n-Nitrosodimethylamine

Concen: 7.243 ng

RT: 3.56 min Scan# 98

Delta R.T. -0.00 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

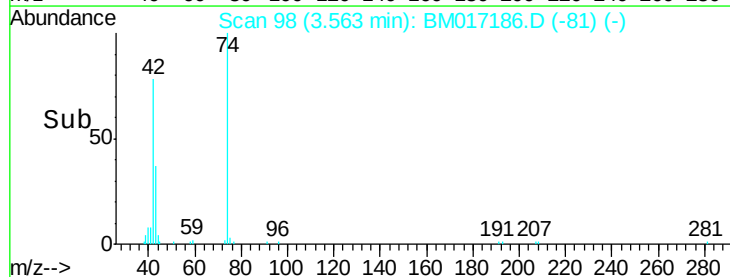
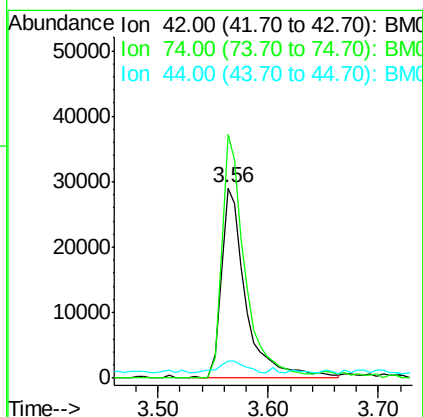
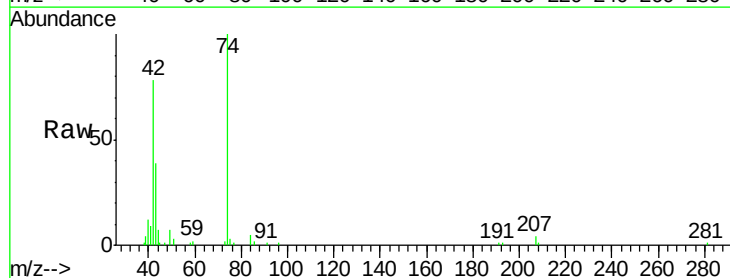
Tgt Ion: 42 Resp: 44947

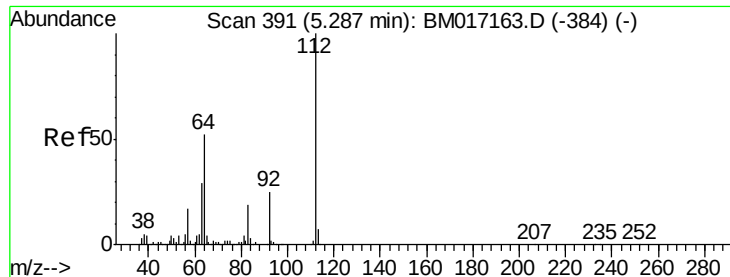
Ion Ratio Lower Upper

42 100

74 128.1 114.4 171.6

44 9.2 48.6 73.0#





#5

2-Fluorophenol

Concen: 118.403 ng

RT: 5.28 min Scan# 390

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Instrument :

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ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

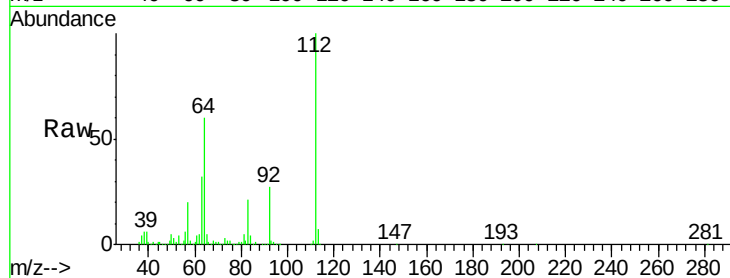
Tgt Ion: 112 Resp: 1557796

Ion Ratio Lower Upper

112 100

64 60.0 41.7 62.5

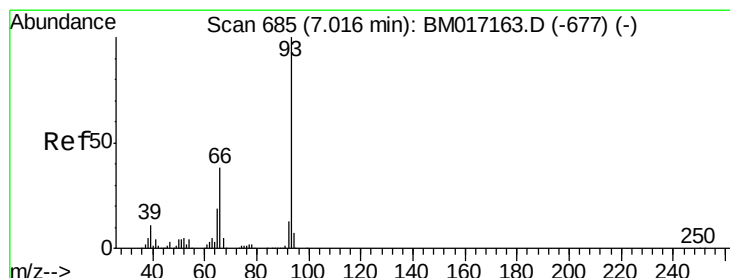
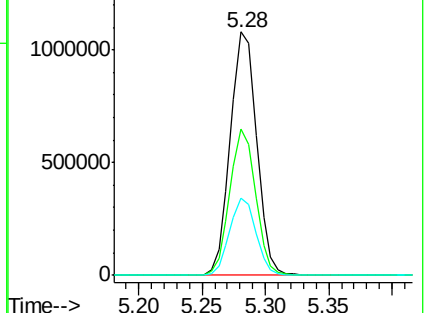
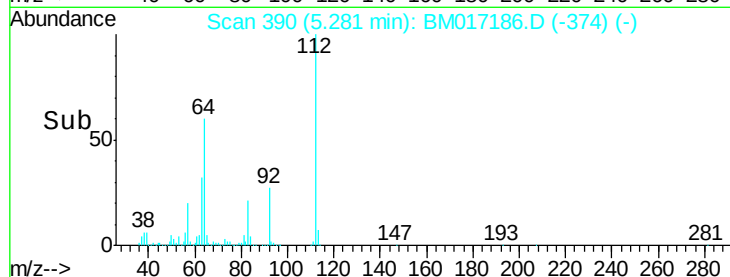
63 31.6 23.0 34.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 5.098 ng

RT: 7.01 min Scan# 684

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

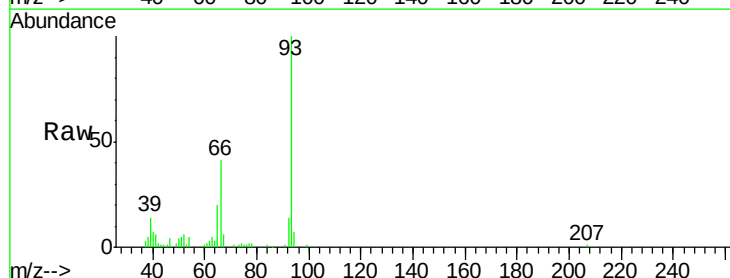
Tgt Ion: 93 Resp: 114270

Ion Ratio Lower Upper

93 100

66 41.0 30.4 45.6

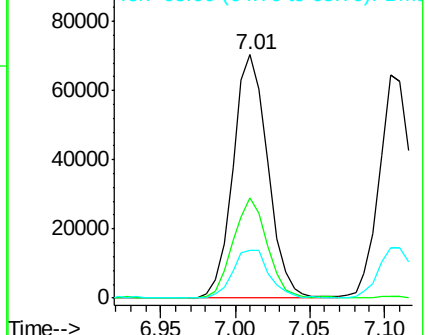
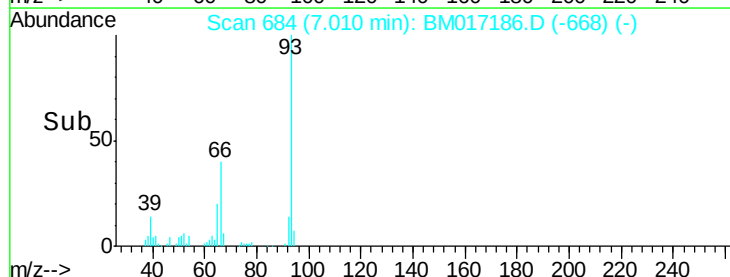
65 19.9 15.3 22.9

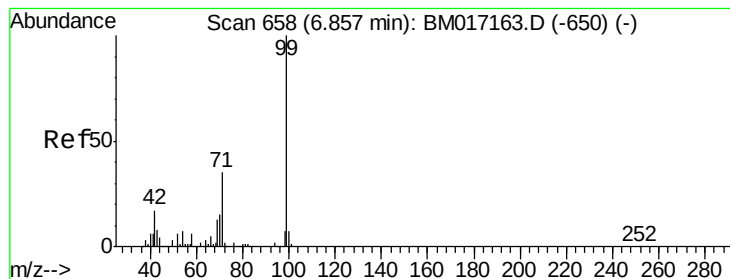


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 113.192 ng

RT: 6.85 min Scan# 657

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Instrument :

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ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

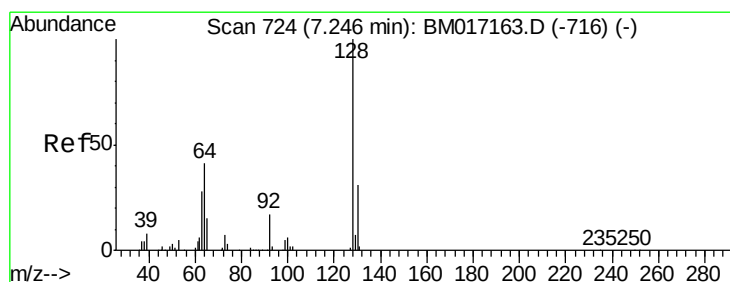
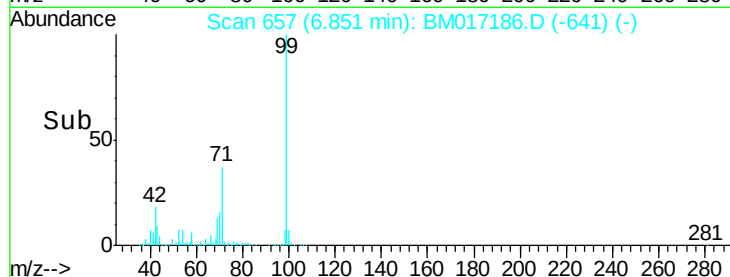
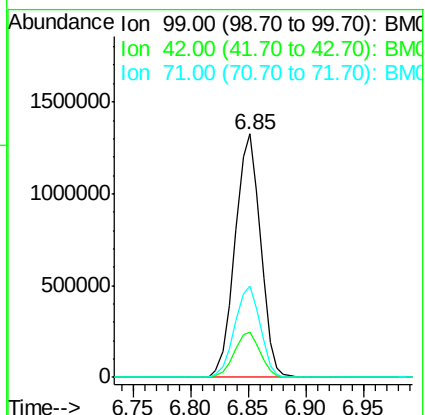
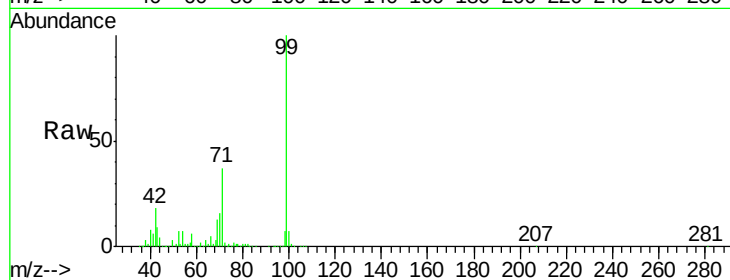
Tgt Ion: 99 Resp: 2028259

Ion Ratio Lower Upper

99 100

42 18.4 13.3 19.9

71 37.3 28.0 42.0



#8

2-Chlorophenol

Concen: 6.729 ng

RT: 7.24 min Scan# 723

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

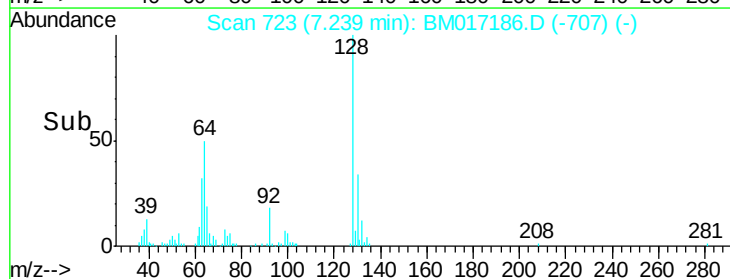
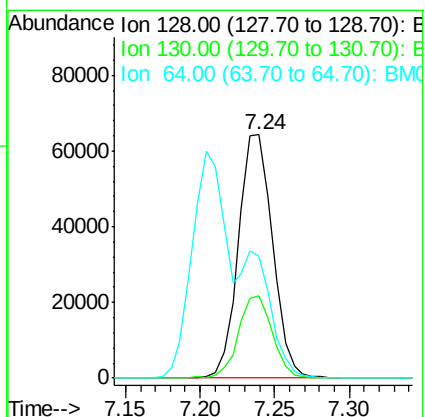
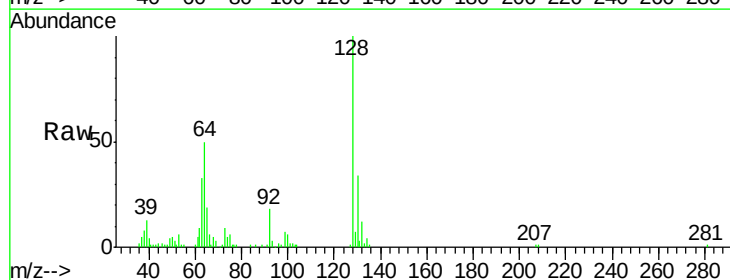
Tgt Ion: 128 Resp: 102425

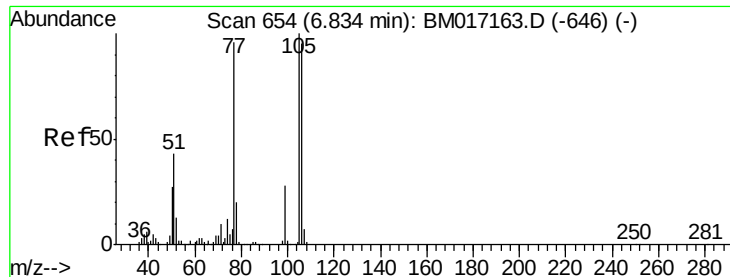
Ion Ratio Lower Upper

128 100

130 34.0 11.0 51.0

64 50.0 24.1 64.1





#9

Benzaldehyde

Concen: 6.638 ng

RT: 6.83 min Scan# 653

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

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BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

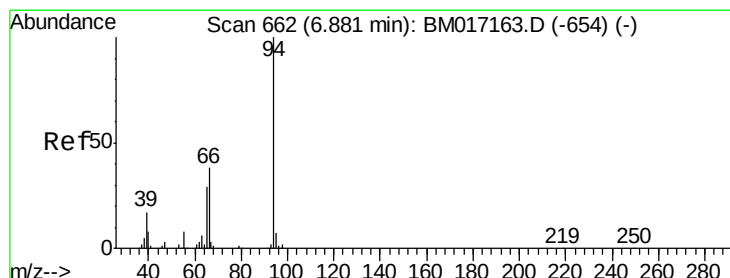
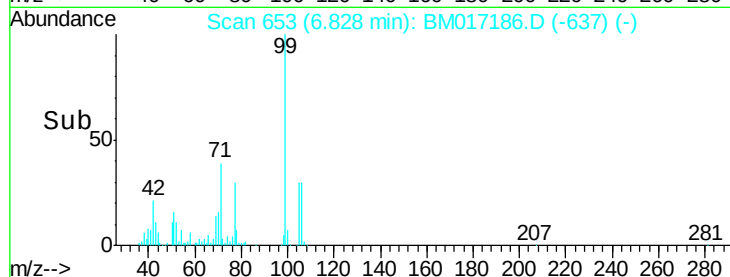
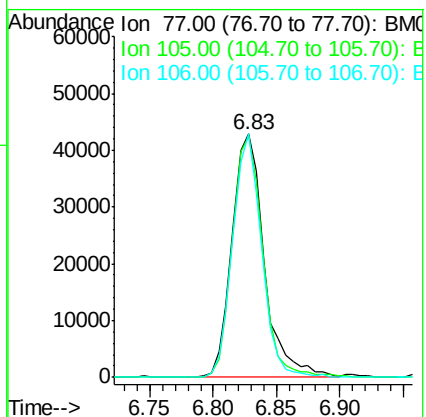
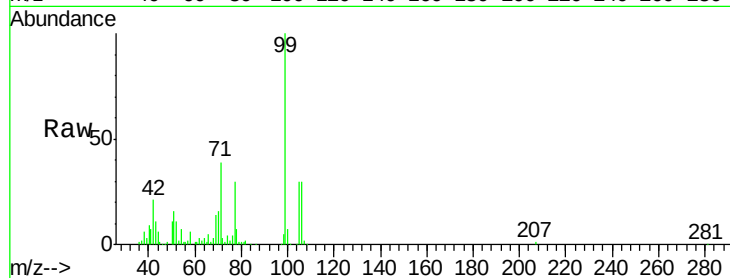
Tgt Ion: 77 Resp: 75845

Ion Ratio Lower Upper

77 100

105 99.1 83.9 123.9

106 99.8 78.2 118.2



#10

Phenol

Concen: 6.553 ng

RT: 6.87 min Scan# 661

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

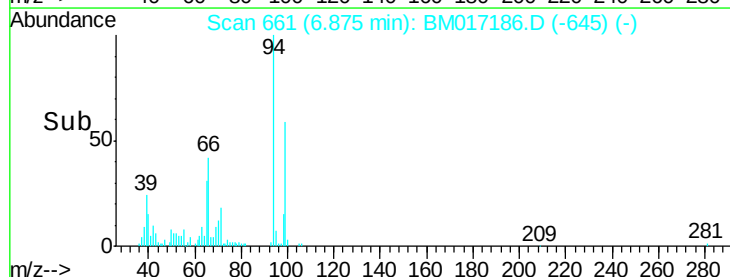
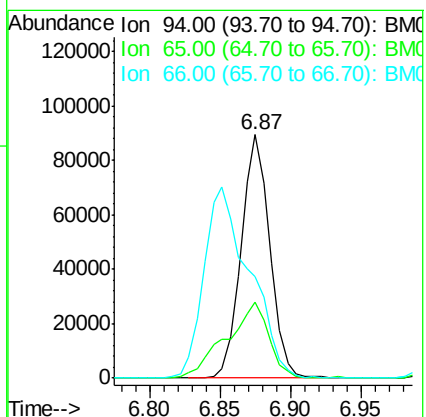
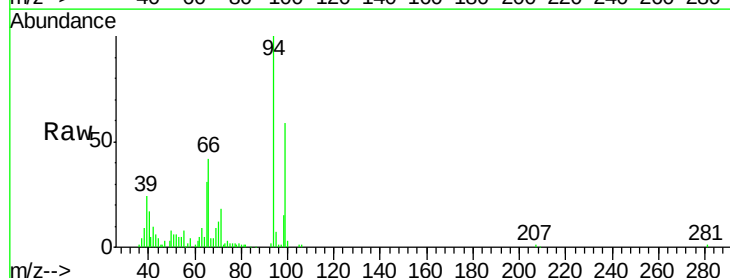
Tgt Ion: 94 Resp: 126382

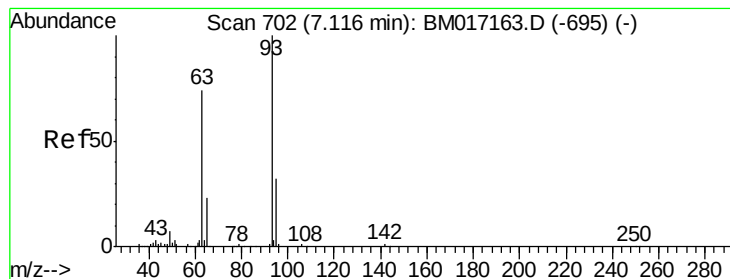
Ion Ratio Lower Upper

94 100

65 31.1 9.4 49.4

66 41.6 19.0 59.0





#11

bis(2-Chloroethyl)ether

Concen: 6.169 ng

RT: 7.10 min Scan# 700

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

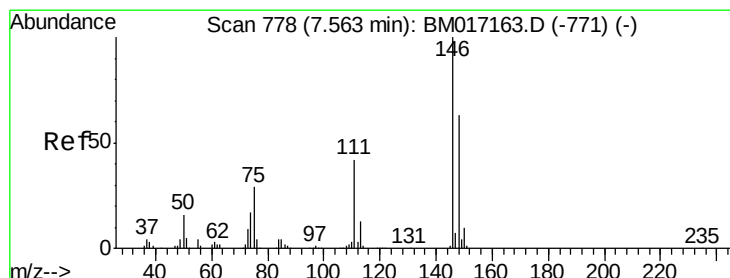
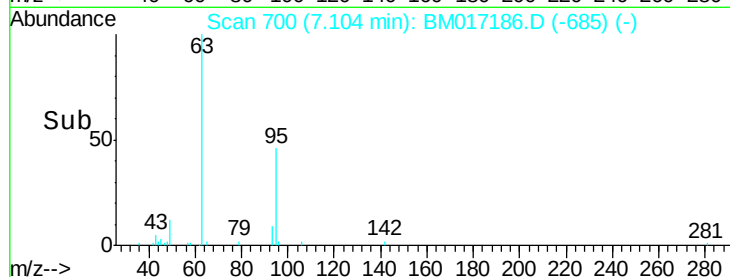
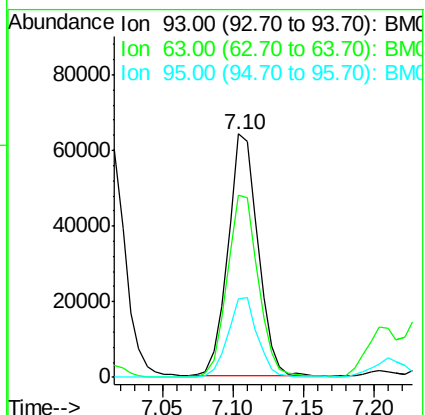
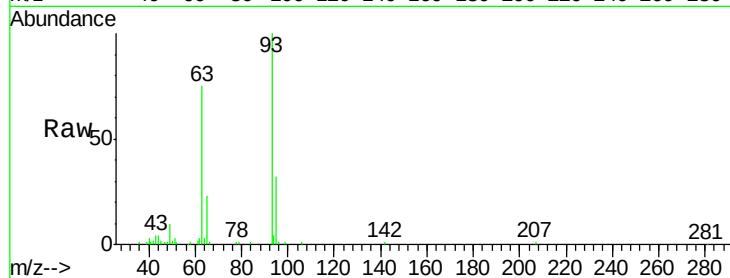
Tgt Ion: 93 Resp: 94841

Ion Ratio Lower Upper

93 100

63 74.8 54.0 94.0

95 32.0 11.8 51.8



#12

1,3-Dichlorobenzene

Concen: 6.556 ng

RT: 7.56 min Scan# 777

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

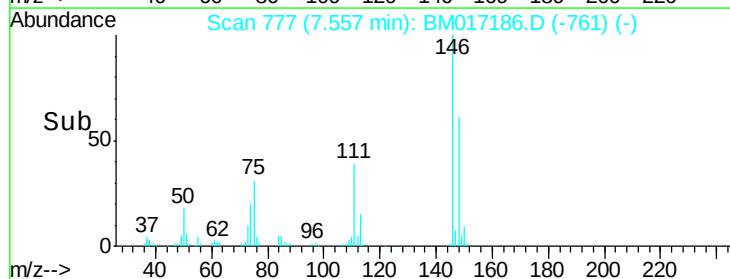
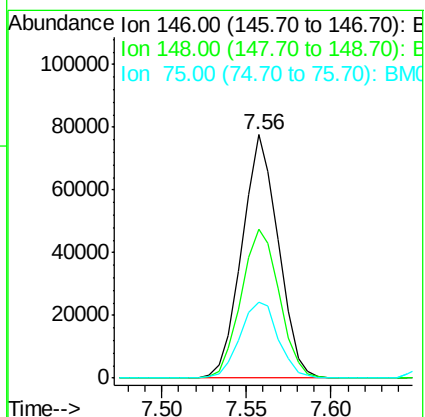
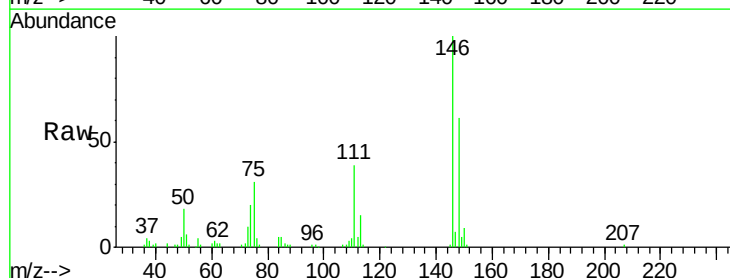
Tgt Ion: 146 Resp: 116318

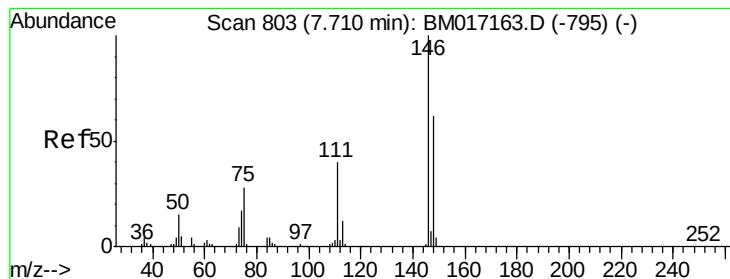
Ion Ratio Lower Upper

146 100

148 61.1 50.2 75.4

75 31.4 23.3 34.9





#13

1,4-Dichlorobenzene

Concen: 6.499 ng

RT: 7.70 min Scan# 802

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

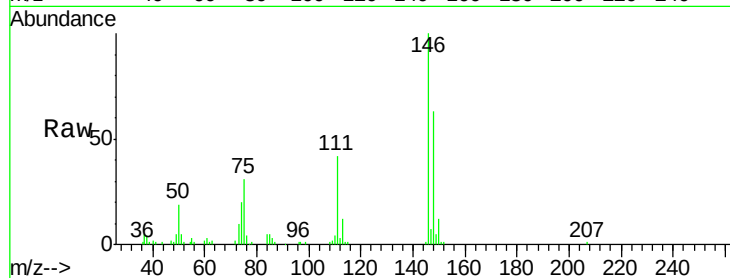
Tgt Ion:146 Resp: 117810

Ion Ratio Lower Upper

146 100

148 63.1 49.8 74.6

111 41.6 32.1 48.1

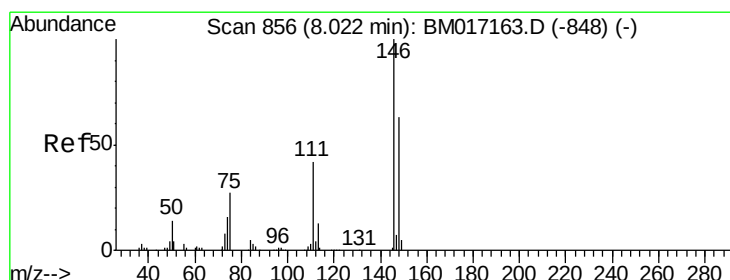
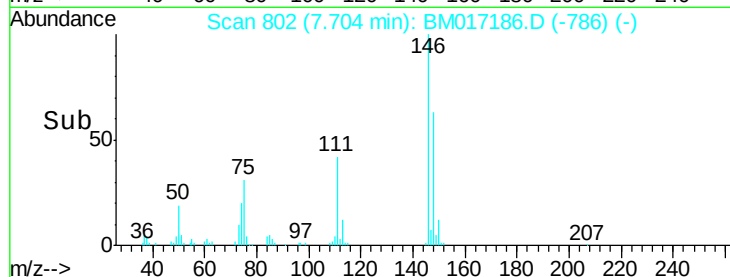
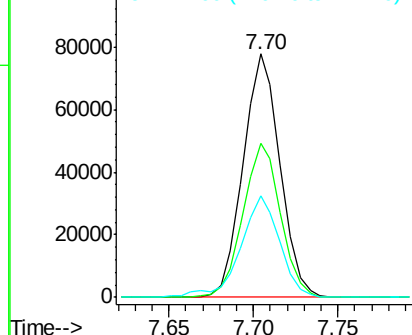


Abundance

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: 6.408 ng

RT: 8.02 min Scan# 855

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

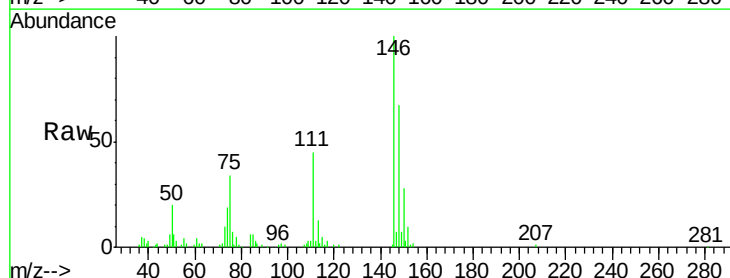
Tgt Ion:146 Resp: 111926

Ion Ratio Lower Upper

146 100

148 67.2 50.8 76.2

111 44.7 33.8 50.6

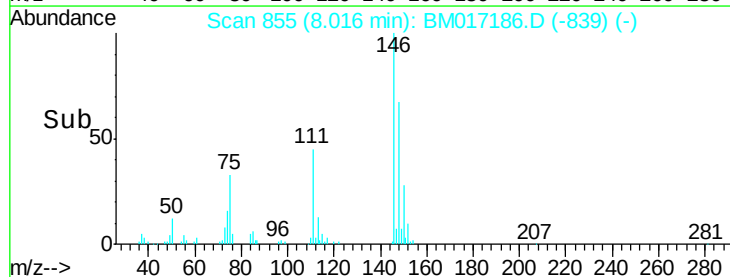
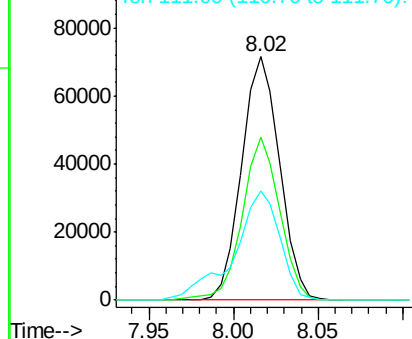


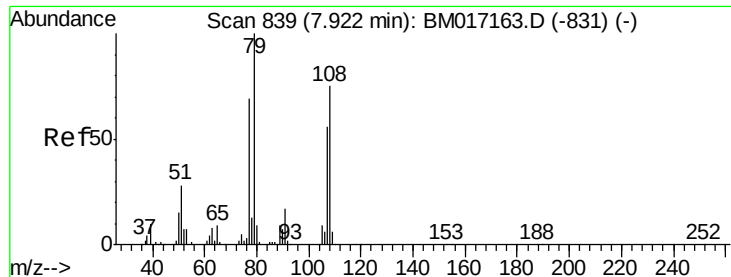
Abundance

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: 6.364 ng

RT: 7.92 min Scan# 838

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

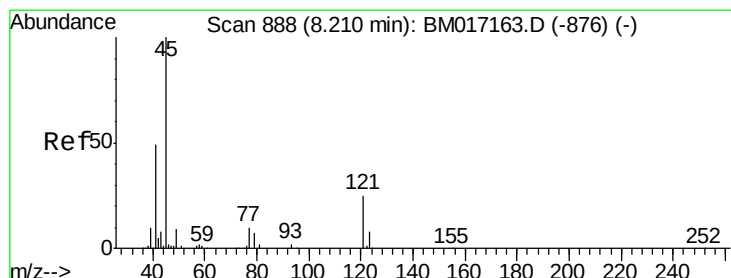
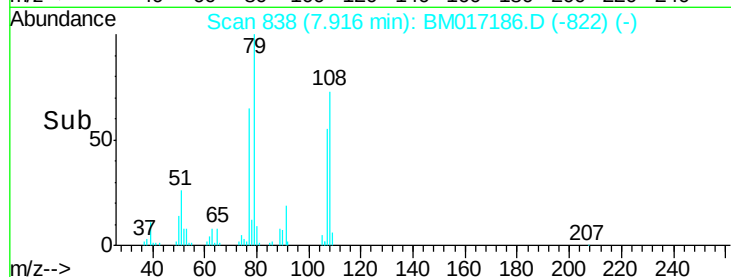
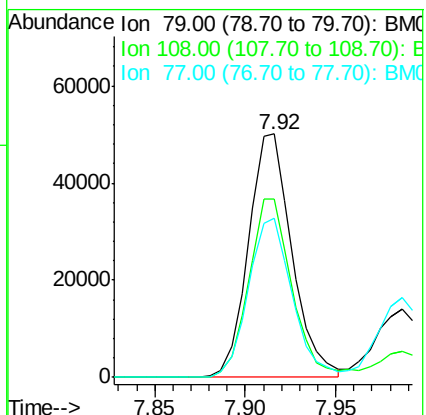
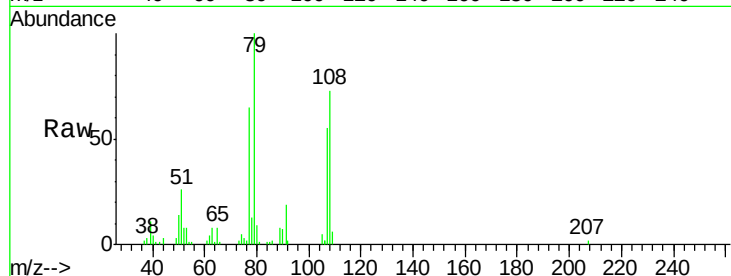
Tgt Ion: 79 Resp: 83348

Ion Ratio Lower Upper

79 100

108 73.0 60.3 90.5

77 65.3 54.8 82.2



#16

2,2'-oxybis(1-chloropropane)

Concen: 5.857 ng

RT: 8.20 min Scan# 886

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

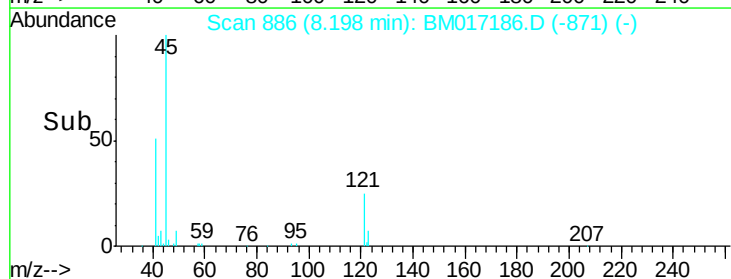
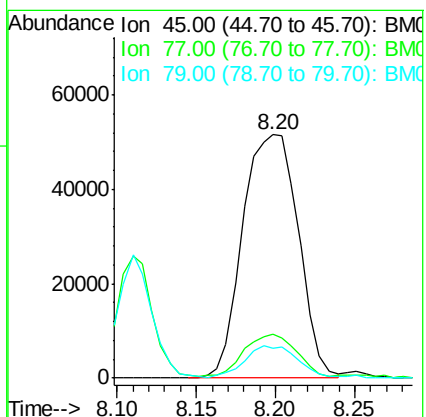
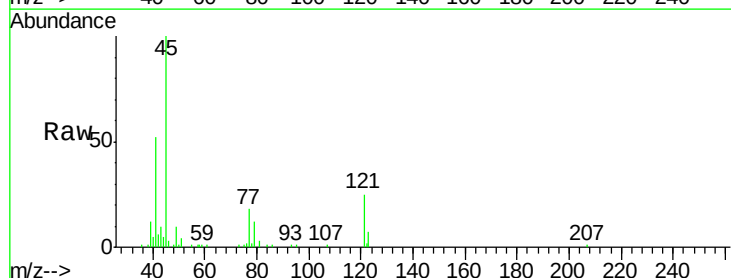
Tgt Ion: 45 Resp: 125794

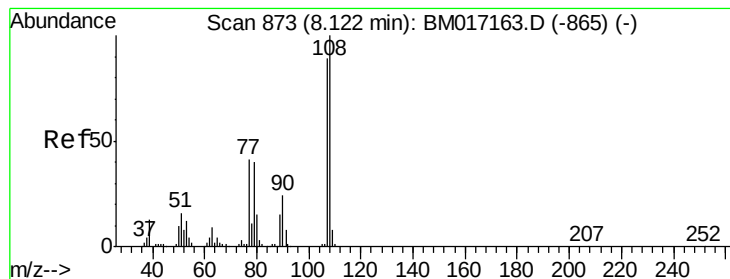
Ion Ratio Lower Upper

45 100

77 18.0 0.0 35.5

79 12.3 0.0 32.1





#17

2-Methylphenol

Concen: 6.535 ng

RT: 8.11 min Scan# 871

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:107 Resp: 80896

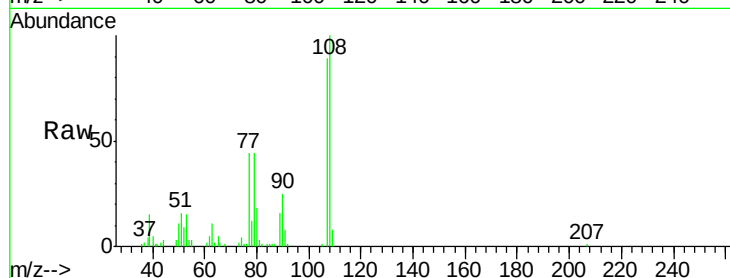
Ion Ratio Lower Upper

107 100

108 111.8 90.3 135.5

77 48.7 37.0 55.4

79 49.5 35.8 53.6

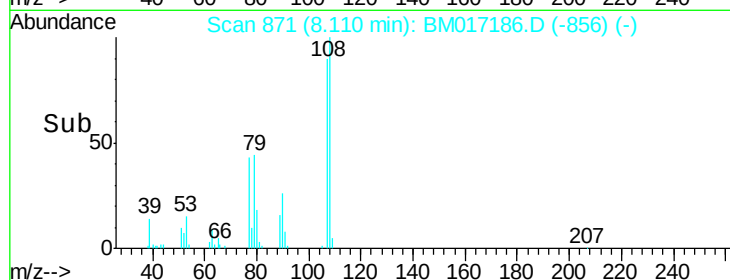


Abundance Ion 107.00 (106.70 to 107.70): E

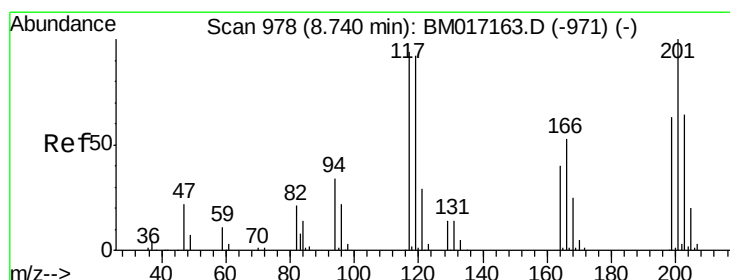
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0



Time-->



#18

Hexachloroethane

Concen: 6.293 ng

RT: 8.73 min Scan# 977

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

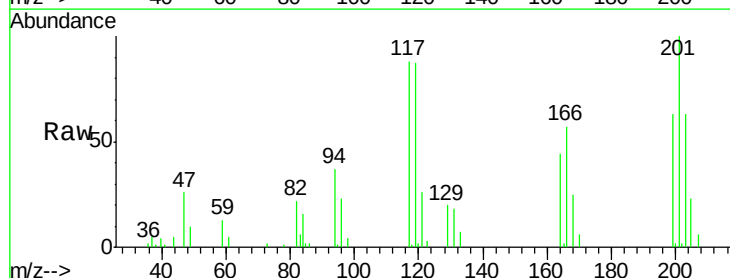
Tgt Ion:117 Resp: 39042

Ion Ratio Lower Upper

117 100

119 98.5 78.2 117.2

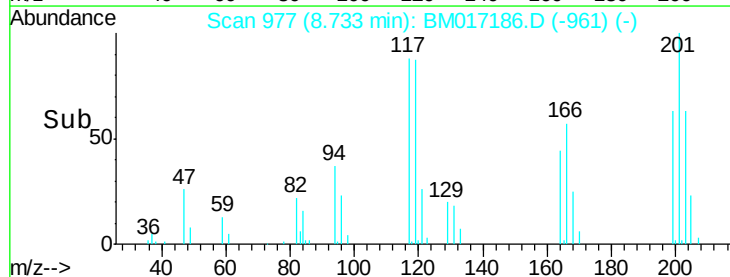
201 115.9 85.3 127.9



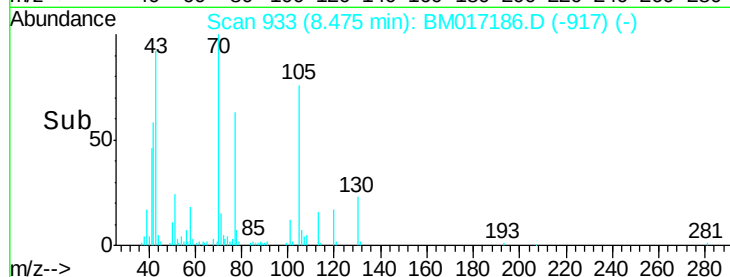
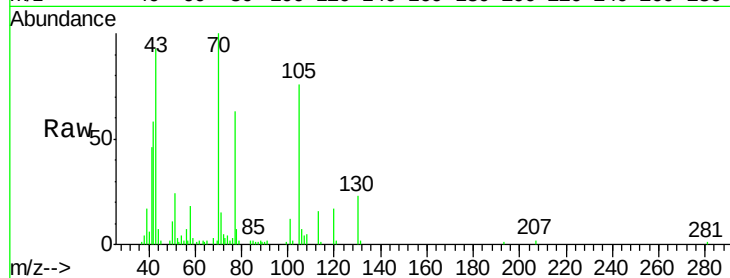
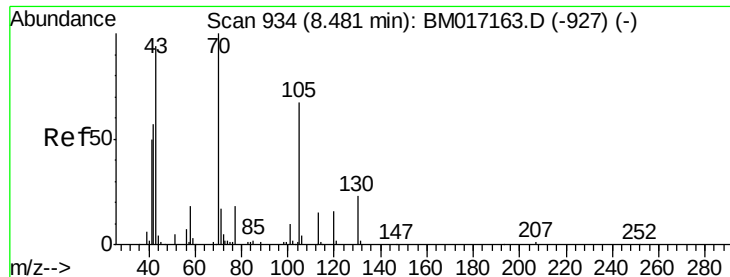
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



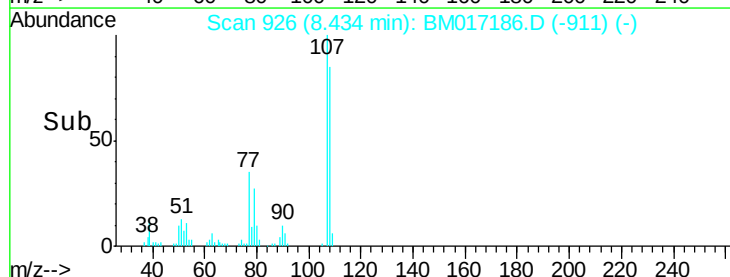
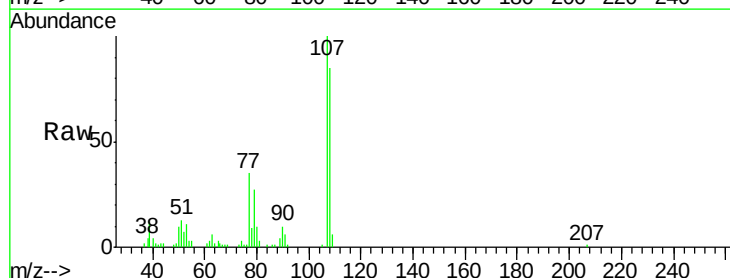
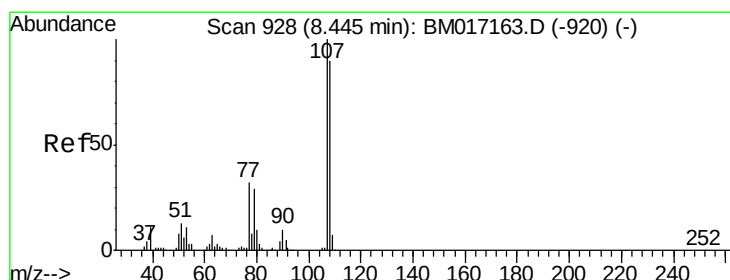
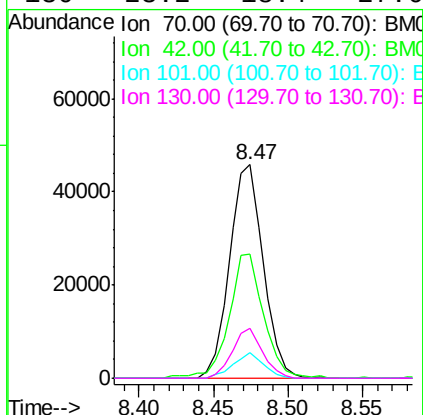
Time-->



#19
n-Nitroso-di-n-propylamine
Concen: 6.134 ng
RT: 8.47 min Scan# 933
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

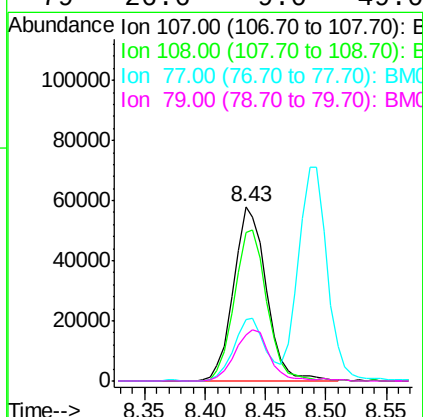
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

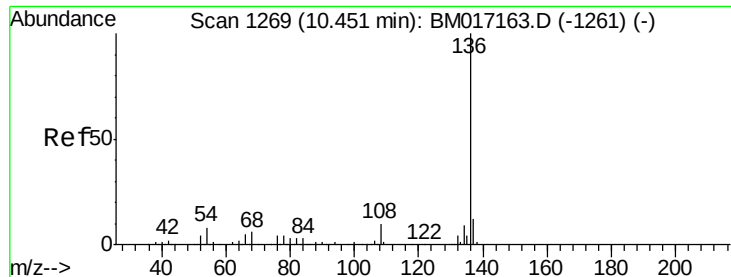
Tgt Ion:	70	Resp:	72370
Ion	Ratio	Lower	Upper
70	100		
42	58.4	46.1	69.1
101	11.7	8.2	12.4
130	23.2	18.4	27.6



#20
3+4-Methylphenols
Concen: 6.505 ng
RT: 8.43 min Scan# 926
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

Tgt Ion:	107	Resp:	110132
Ion	Ratio	Lower	Upper
107	100		
108	85.1	69.9	109.9
77	35.1	12.2	52.2
79	26.6	9.0	49.0

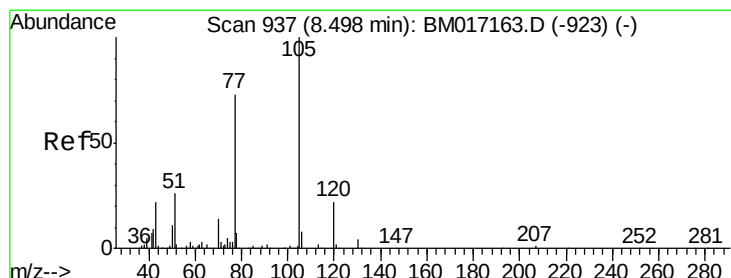
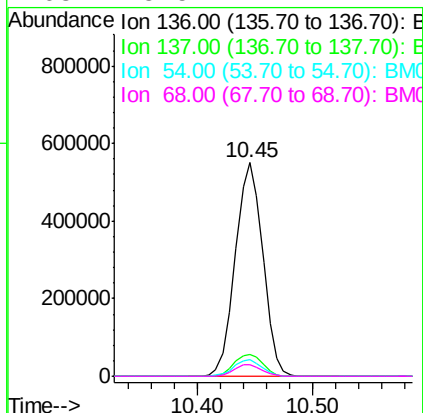
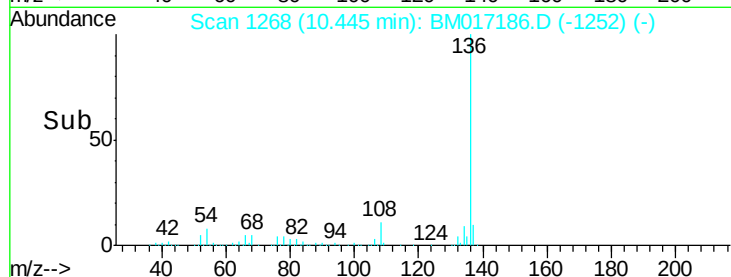
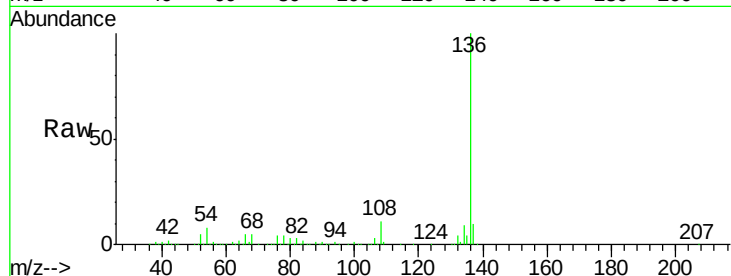




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.45 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

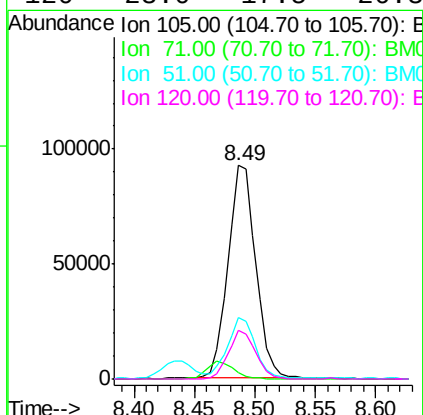
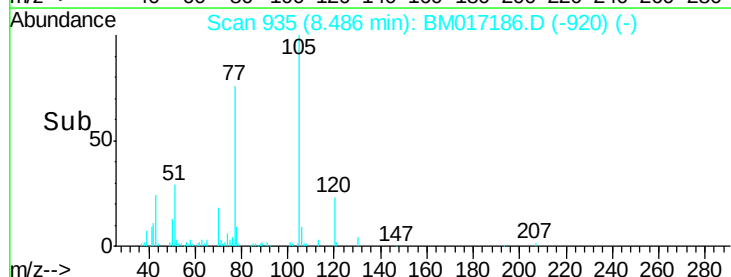
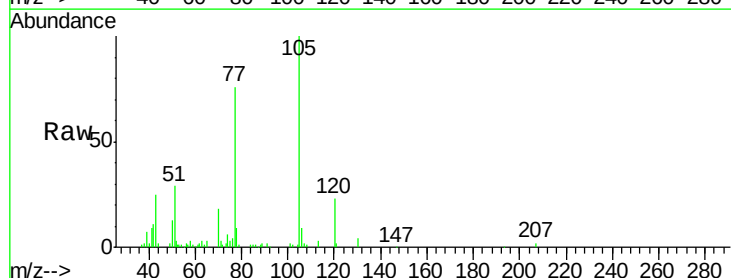
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

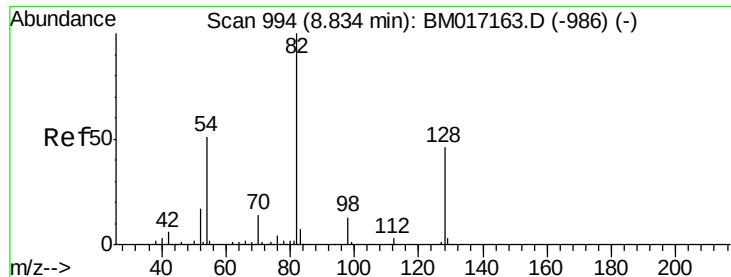
Tgt Ion:	136	Resp:	911391
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	7.8	6.7	10.1
68	5.5	4.7	7.1



#22
Acetophenone
Concen: 6.422 ng
RT: 8.49 min Scan# 935
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

Tgt Ion:	105	Resp:	148364
Ion	Ratio	Lower	Upper
105	100		
71	2.7	2.0	3.0
51	28.7	20.6	31.0
120	23.0	17.5	26.3

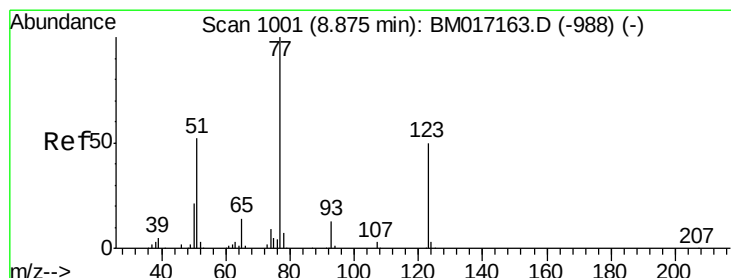
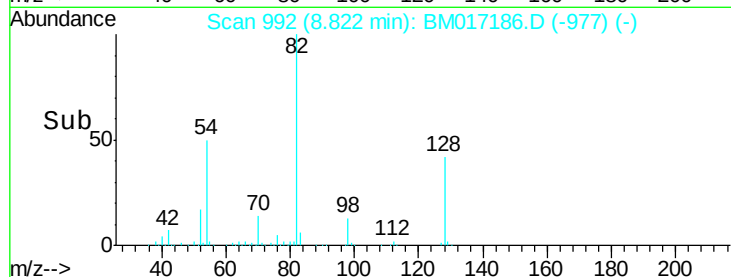
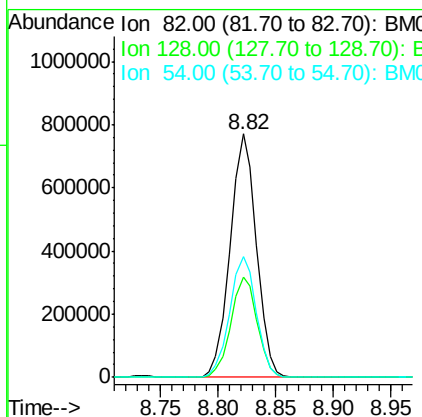
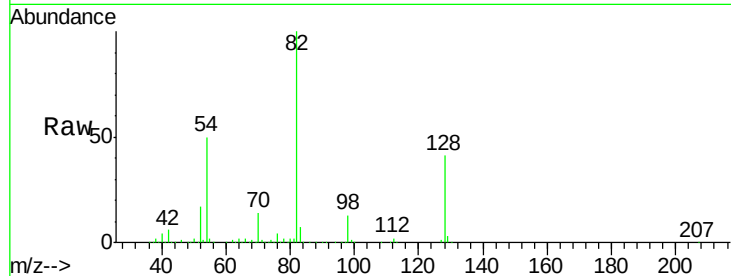




#23
 Nitrobenzene-d5
 Concen: 77.765 ng
 RT: 8.82 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: BM017186.D
 Acq: 18 Oct 2018 10:57

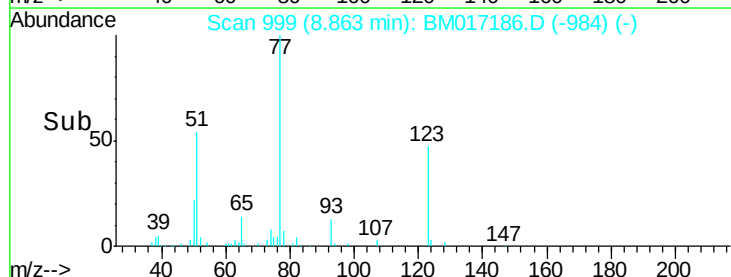
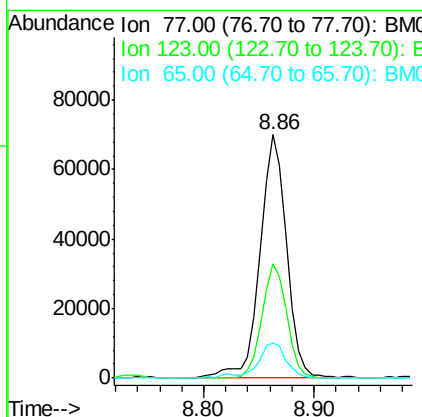
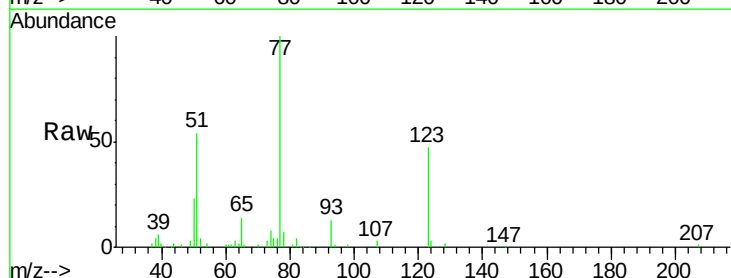
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

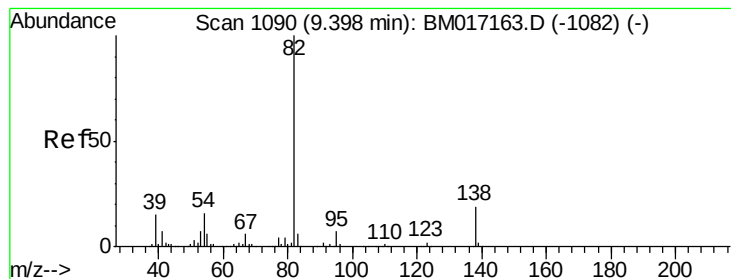
Tgt Ion: 82 Resp: 1211822
 Ion Ratio Lower Upper
 82 100
 128 41.3 37.0 55.6
 54 49.7 40.7 61.1



#24
 Nitrobenzene
 Concen: 7.210 ng
 RT: 8.86 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: BM017186.D
 Acq: 18 Oct 2018 10:57

Tgt Ion: 77 Resp: 118840
 Ion Ratio Lower Upper
 77 100
 123 47.0 40.2 60.4
 65 14.5 11.4 17.0





#25

Isophorone

Concen: 7.352 ng

RT: 9.39 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

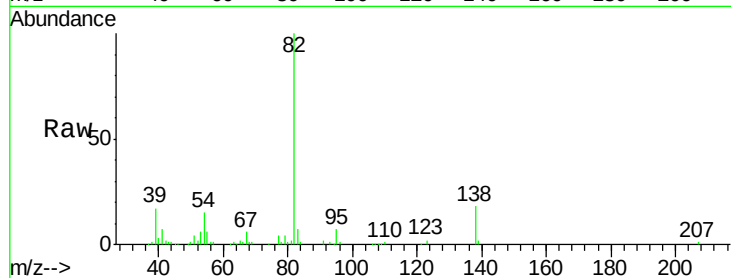
Tgt Ion: 82 Resp: 189187

Ion Ratio Lower Upper

82 100

95 7.3 6.0 9.0

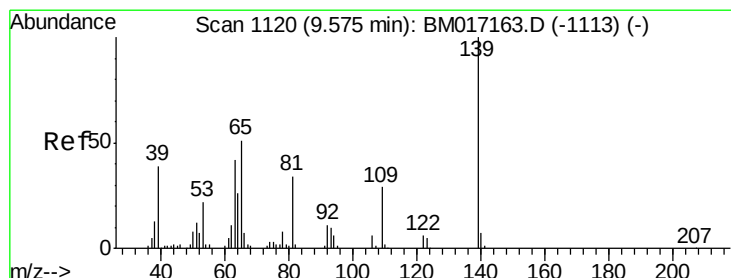
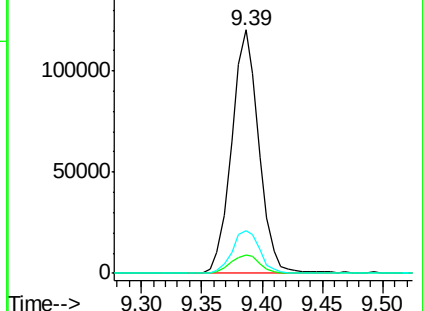
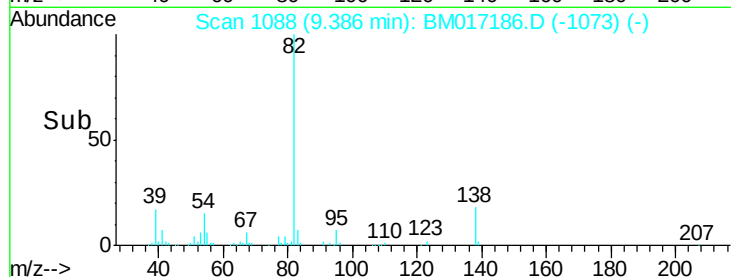
138 17.5 15.4 23.2



Abundance Ion 82.00 (81.70 to 82.70): BM017163.D (-1082) (-)

Ion 95.00 (94.70 to 95.70): BM017163.D (-1082) (-)

Ion 138.00 (137.70 to 138.70): BM017163.D (-1082) (-)



#26

2-Nitrophenol

Concen: 10.419 ng

RT: 9.57 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

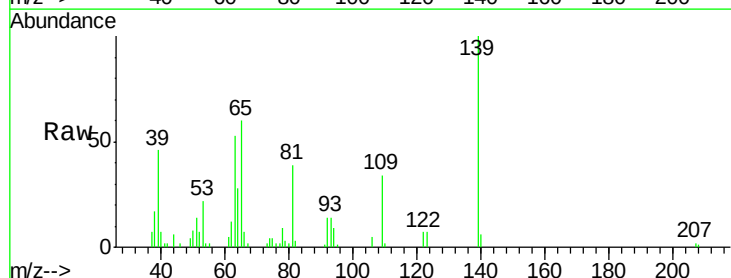
Tgt Ion: 139 Resp: 41283

Ion Ratio Lower Upper

139 100

109 34.4 23.2 34.8

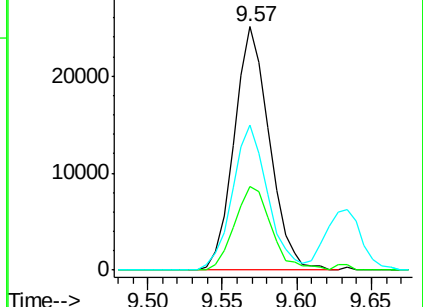
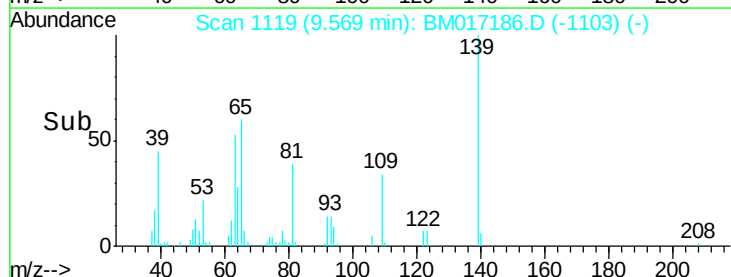
65 59.5 40.6 61.0

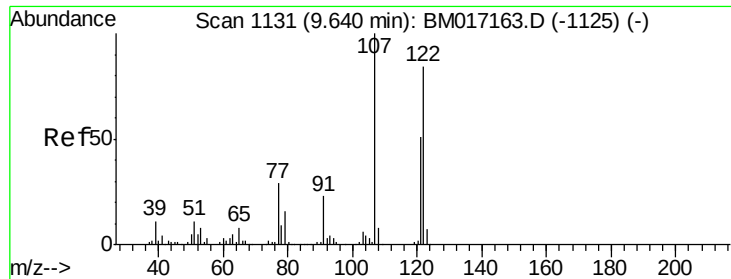


Abundance Ion 139.00 (138.70 to 139.70): BM017163.D (-1113) (-)

Ion 109.00 (108.70 to 109.70): BM017163.D (-1113) (-)

Ion 65.00 (64.70 to 65.70): BM017163.D (-1113) (-)

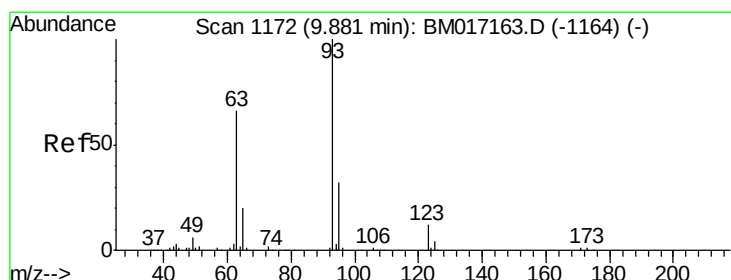
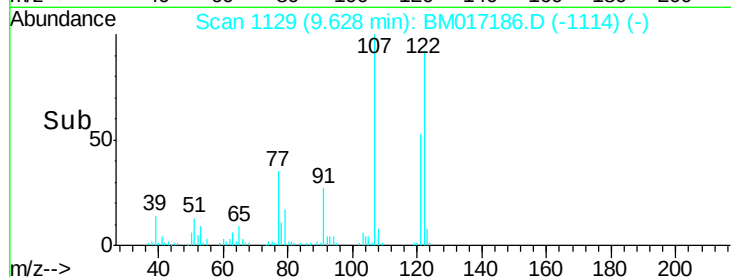
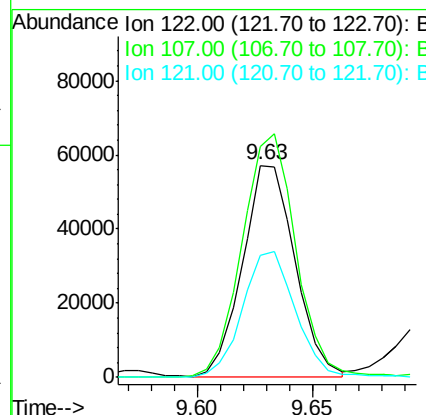
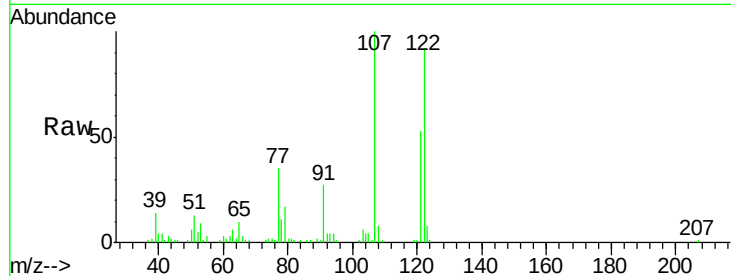




#27
 2,4-Dimethylphenol
 Concen: 7.999 ng
 RT: 9.63 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BM017186.D
 Acq: 18 Oct 2018 10:57

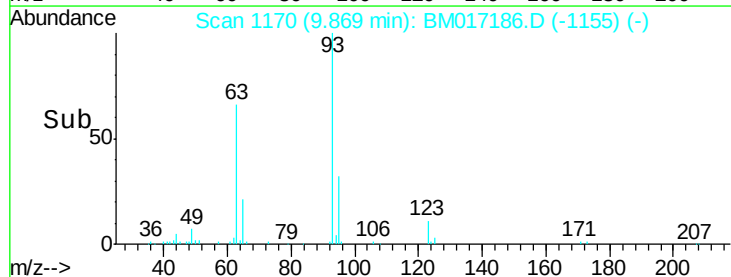
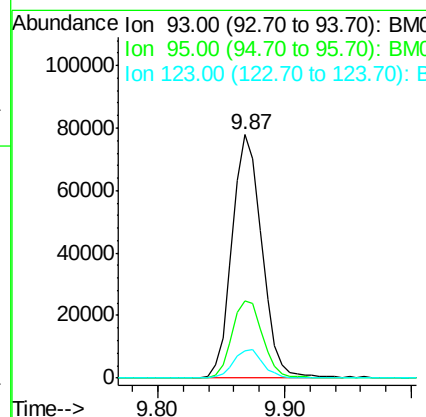
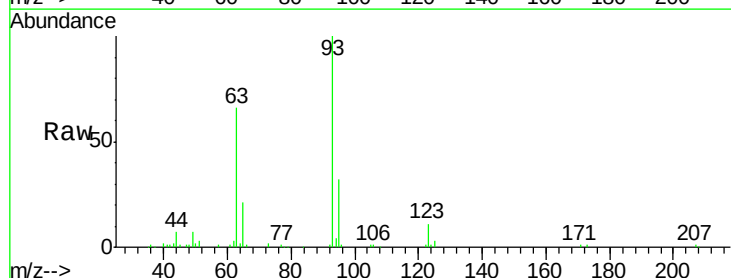
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

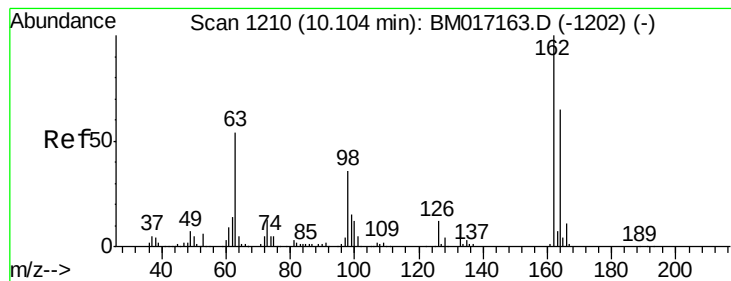
Tgt Ion: 122 Resp: 91015
 Ion Ratio Lower Upper
 122 100
 107 108.7 95.0 142.6
 121 57.7 48.2 72.4



#28
 bis(2-Chloroethoxy)methane
 Concen: 7.008 ng
 RT: 9.87 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: BM017186.D
 Acq: 18 Oct 2018 10:57

Tgt Ion: 93 Resp: 126918
 Ion Ratio Lower Upper
 93 100
 95 31.7 25.7 38.5
 123 11.2 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 6.486 ng

RT: 10.10 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

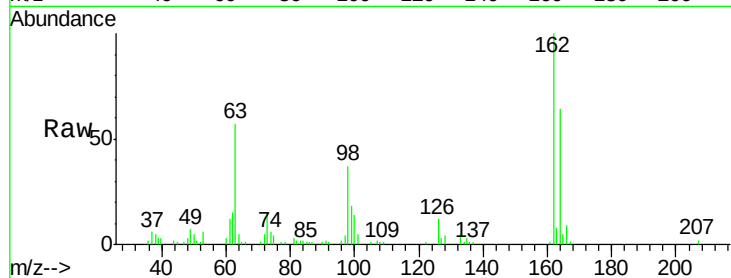
Tgt Ion:162 Resp: 85689

Ion Ratio Lower Upper

162 100

164 64.3 44.9 84.9

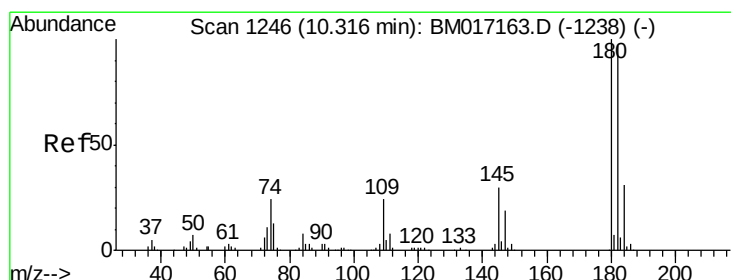
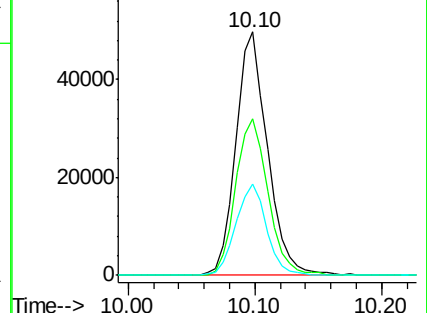
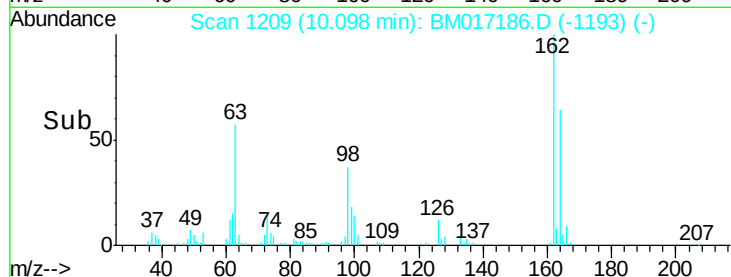
98 37.4 15.8 55.8



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: 6.616 ng

RT: 10.31 min Scan# 1245

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

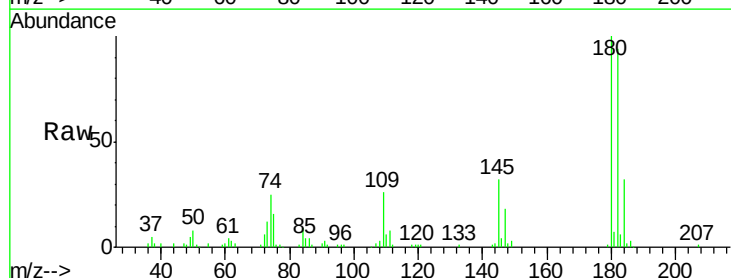
Tgt Ion:180 Resp: 104851

Ion Ratio Lower Upper

180 100

182 94.1 77.5 116.3

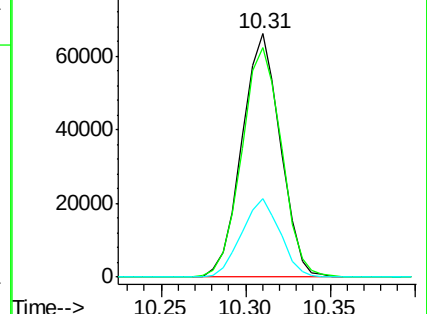
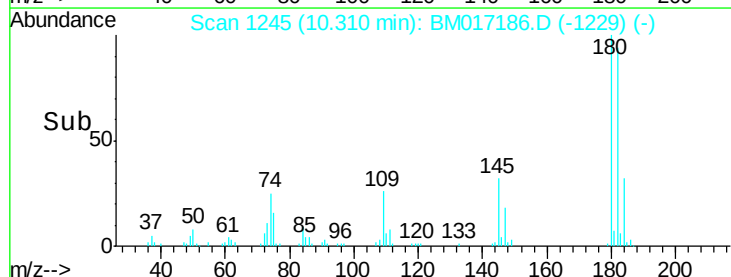
145 32.0 24.0 36.0

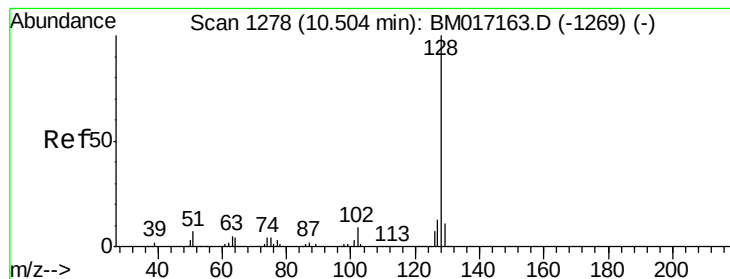


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 7.190 ng

RT: 10.49 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

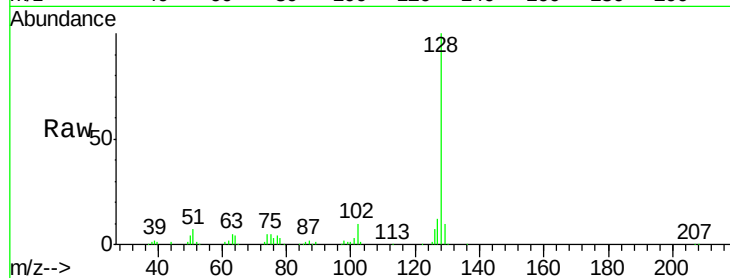
Tgt Ion:128 Resp: 321132

Ion Ratio Lower Upper

128 100

129 10.0 8.5 12.7

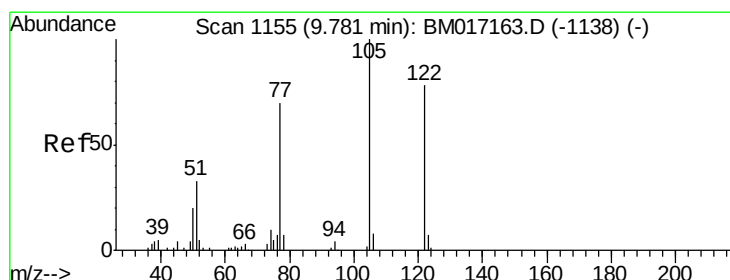
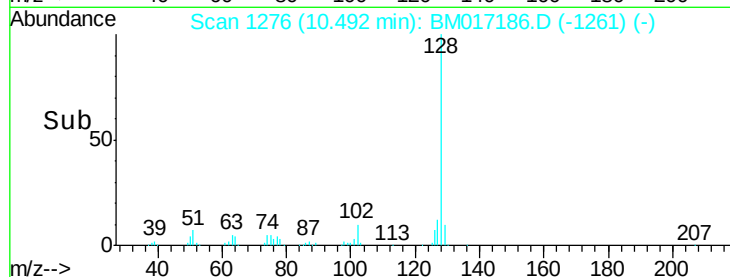
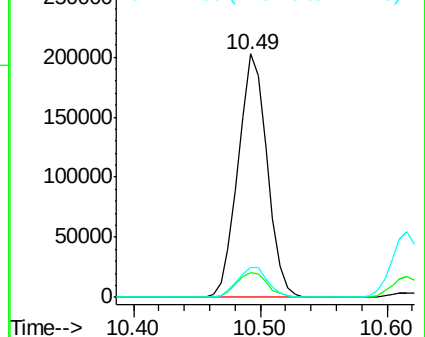
127 12.2 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 4.340 ng

RT: 9.70 min Scan# 1142

Delta R.T. -0.08 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

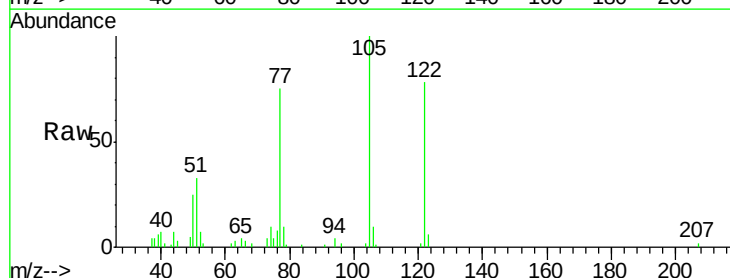
Tgt Ion:122 Resp: 36846

Ion Ratio Lower Upper

122 100

105 128.6 102.0 142.0

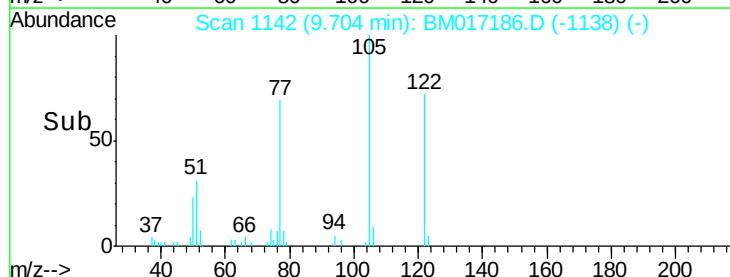
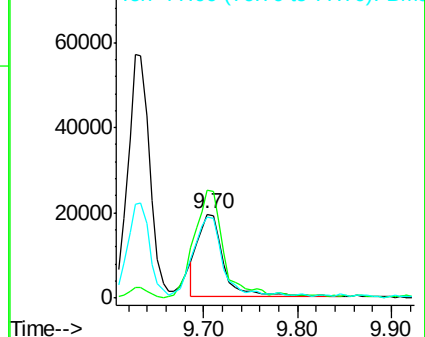
77 96.9 67.7 107.7

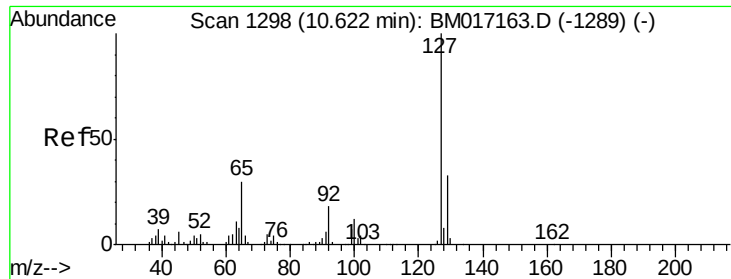


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

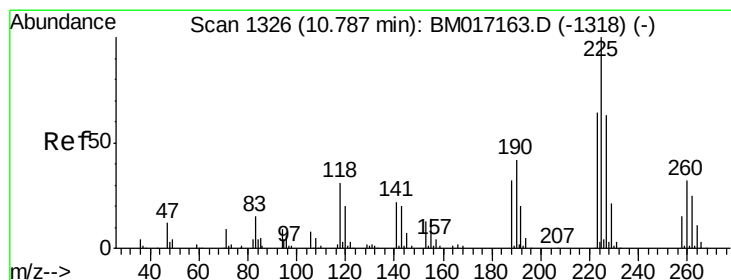
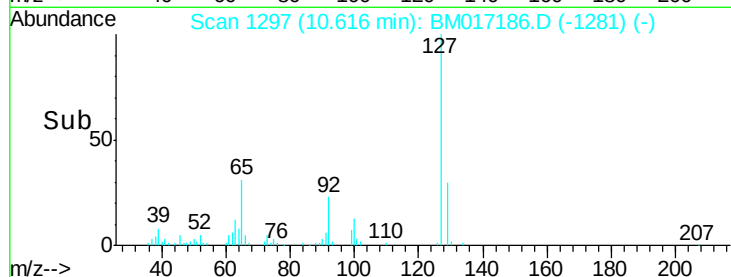
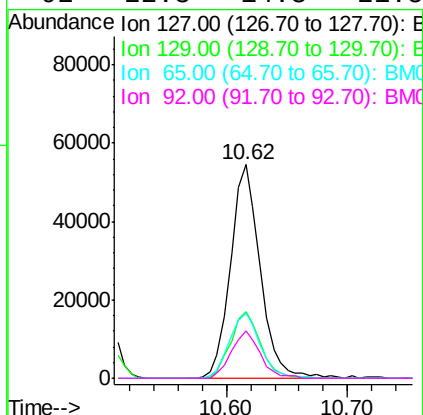
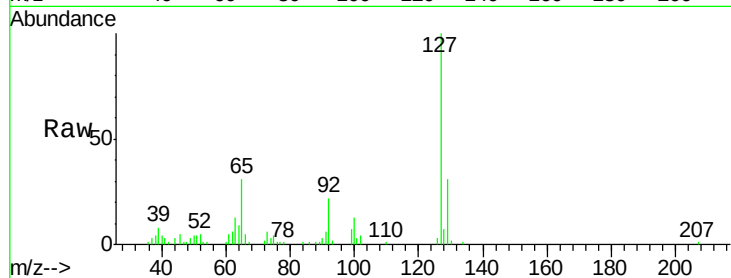




#33
4-Chloroaniline
Concen: 4.848 ng
RT: 10.62 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

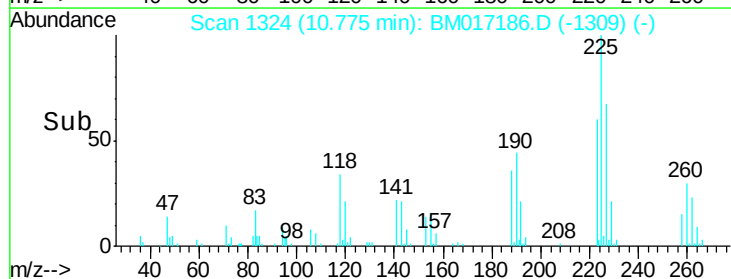
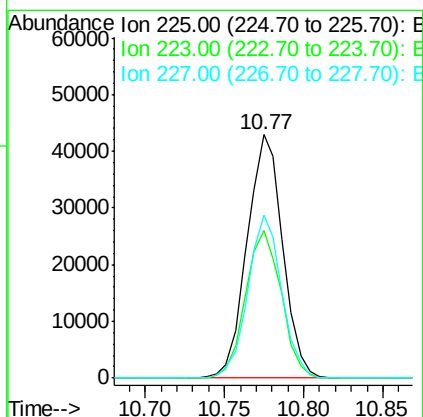
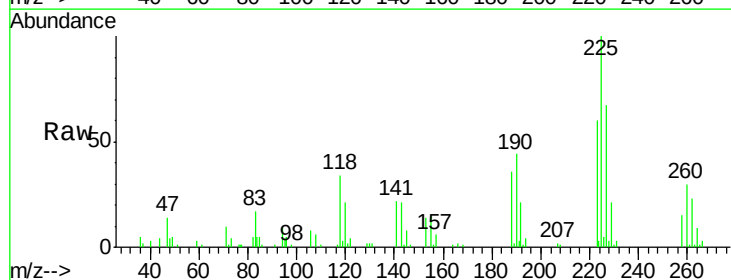
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

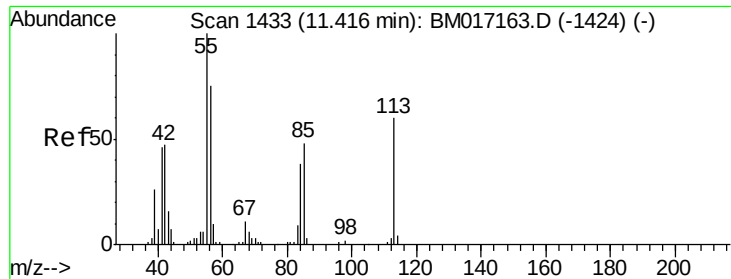
Tgt Ion:	127	Resp:	93511
Ion	Ratio	Lower	Upper
127	100		
129	31.1	26.2	39.4
65	30.7	23.7	35.5
92	22.3	14.3	21.5#



#34
Hexachlorobutadiene
Concen: 6.675 ng
RT: 10.77 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

Tgt Ion:	225	Resp:	67025
Ion	Ratio	Lower	Upper
225	100		
223	60.5	51.0	76.6
227	66.7	50.8	76.2

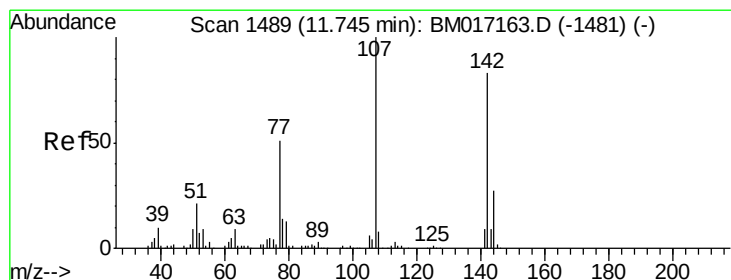
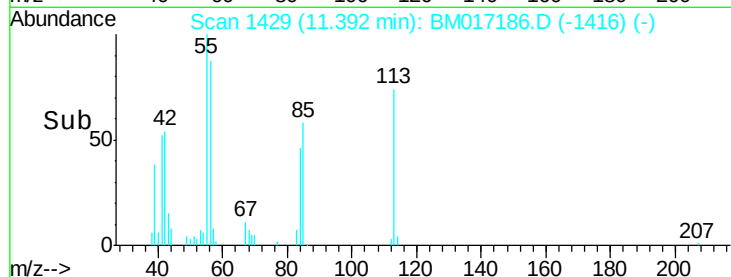
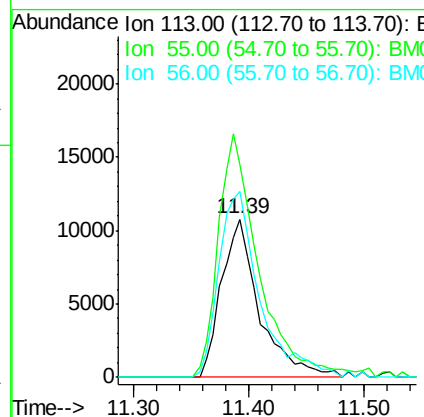
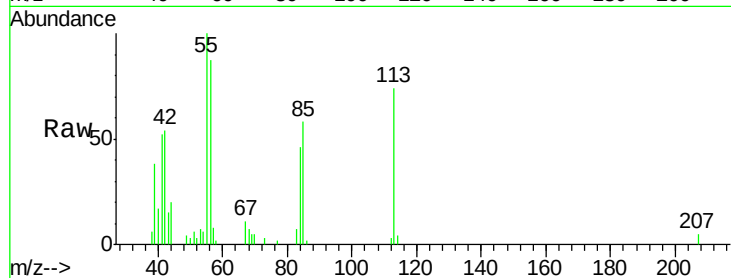




#35
 Caprolactam
 Concen: 5.132 ng
 RT: 11.39 min Scan# 1429
 Delta R.T. -0.02 min
 Lab File: BM017186.D
 Acq: 18 Oct 2018 10:57

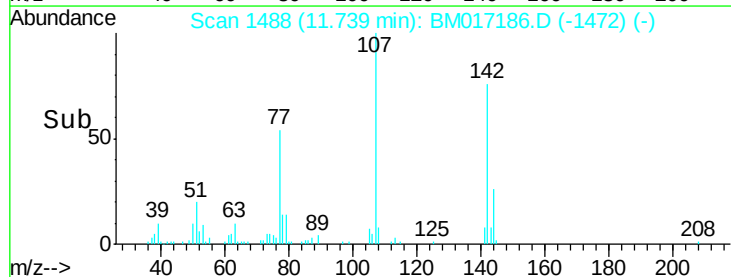
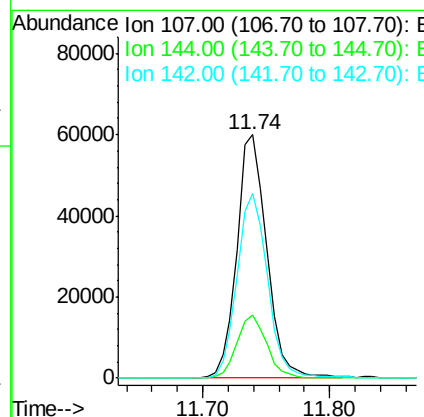
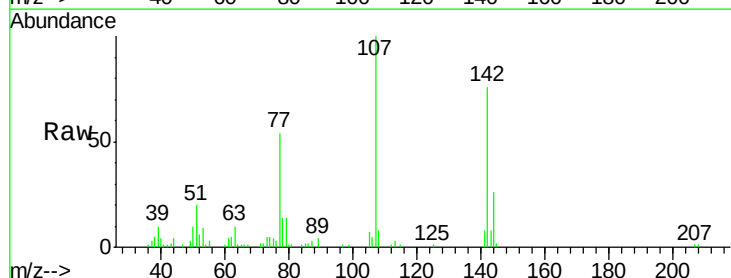
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

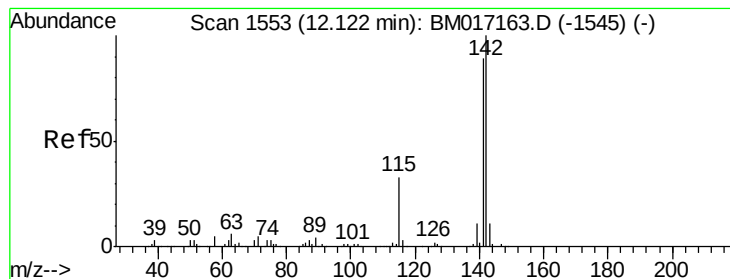
Tgt Ion:113 Resp: 24709
 Ion Ratio Lower Upper
 113 100
 55 134.7 147.0 187.0#
 56 117.7 104.5 144.5



#36
 4-Chloro-3-methylphenol
 Concen: 6.584 ng
 RT: 11.74 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: BM017186.D
 Acq: 18 Oct 2018 10:57

Tgt Ion:107 Resp: 98041
 Ion Ratio Lower Upper
 107 100
 144 26.0 21.6 32.4
 142 75.7 66.0 99.0





#37

2-Methylnaphthalene

Concen: 7.566 ng

RT: 12.11 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

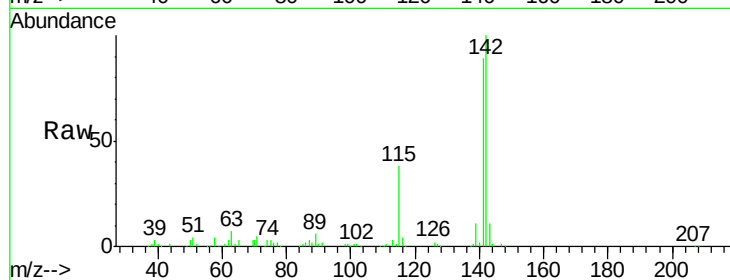
Tgt Ion:142 Resp: 231234

Ion Ratio Lower Upper

142 100

141 88.8 70.9 106.3

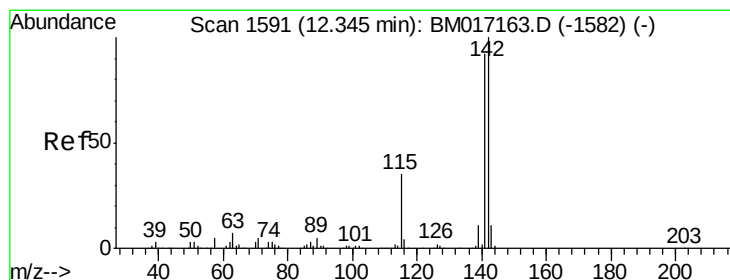
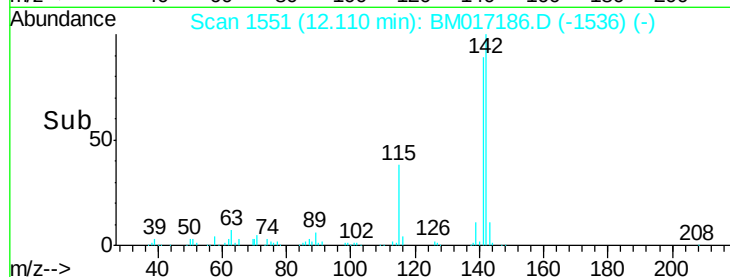
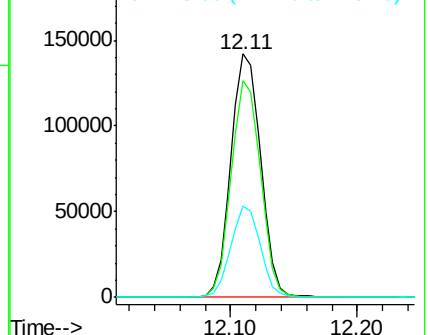
115 37.5 26.4 39.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 7.437 ng

RT: 12.33 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

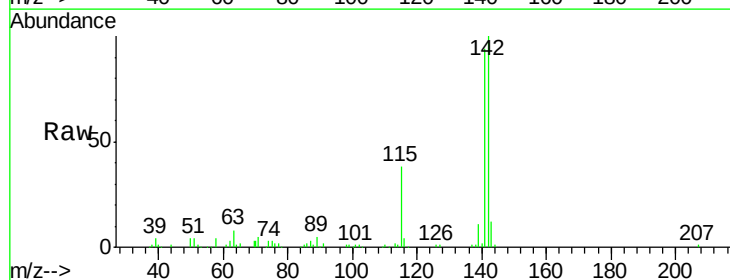
Tgt Ion:142 Resp: 221222

Ion Ratio Lower Upper

142 100

141 94.0 73.8 110.6

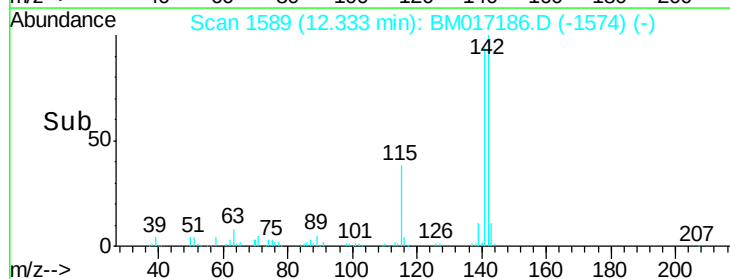
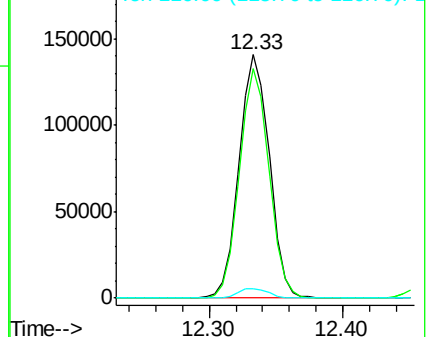
116 4.1 2.9 4.3

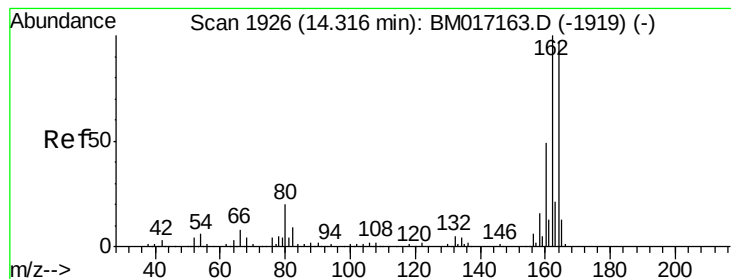


Abundance Ion 142.00 (141.70 to 142.70): E

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: BM017186.D

Acq: 18 Oct 2018 10:57

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

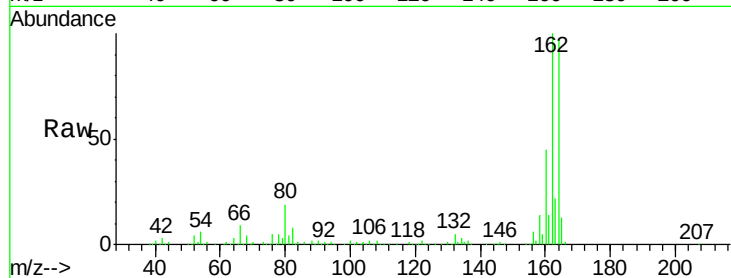
Tgt Ion:164 Resp: 536461

Ion Ratio Lower Upper

164 100

162 103.0 82.1 123.1

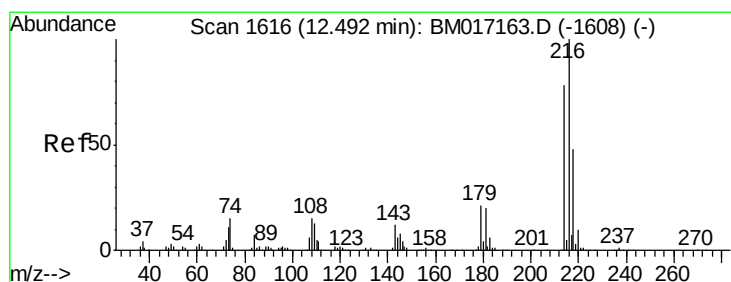
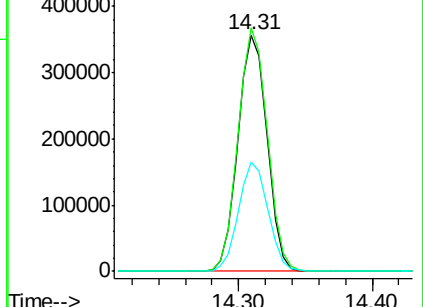
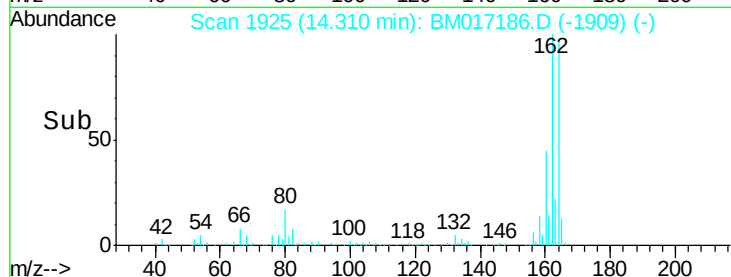
160 46.0 40.2 60.2



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: 6.352 ng

RT: 12.49 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Tgt Ion:216 Resp: 120010

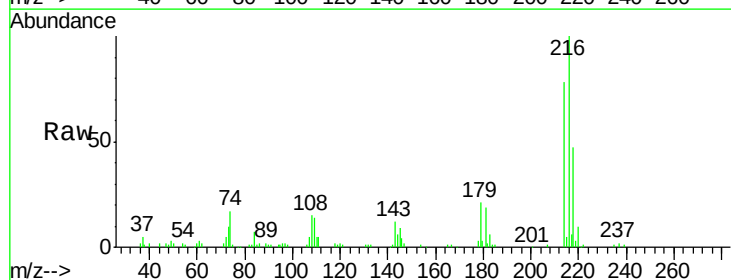
Ion Ratio Lower Upper

216 100

214 78.8 62.6 93.8

179 21.2 16.6 24.8

108 18.3 13.5 20.3

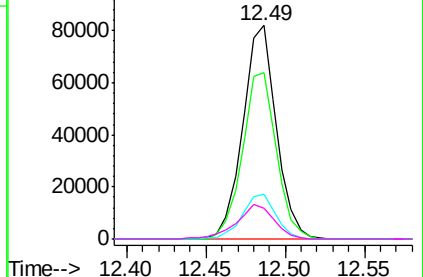
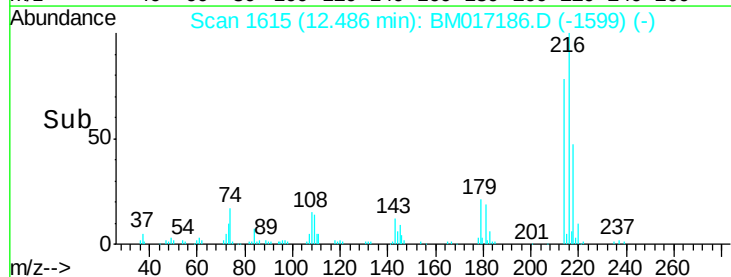


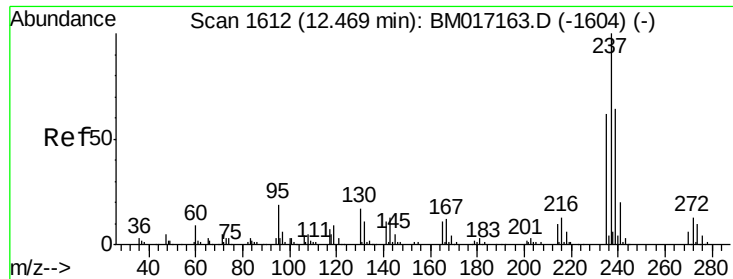
Abundance Ion 216.00 (215.70 to 216.70): E

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: 8.212 ng

RT: 12.46 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

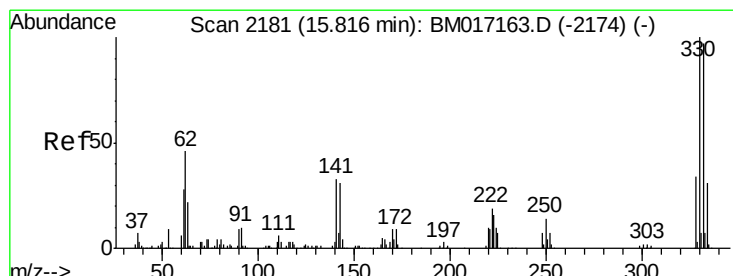
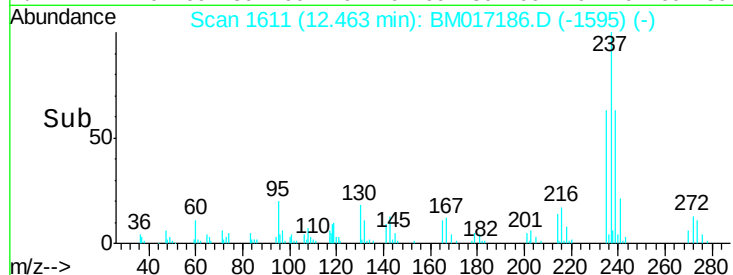
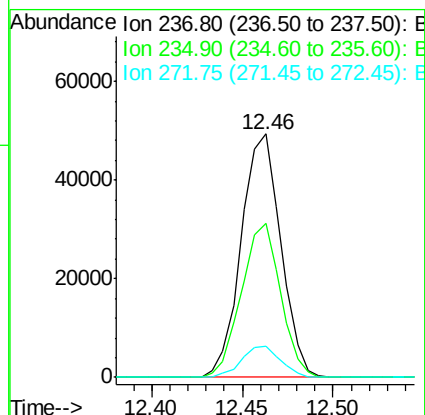
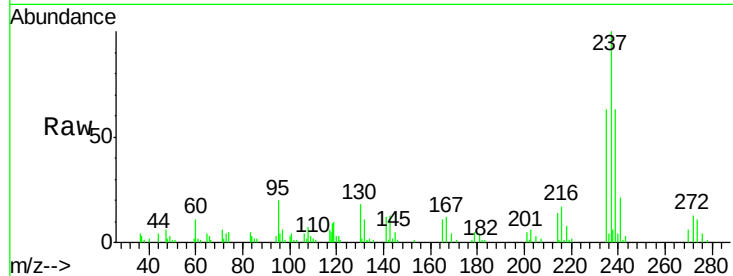
Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	237	Resp:	75005
Ion Ratio	Lower	Upper	
237	100		
235	63.2	42.4	82.4
272	12.9	0.0	33.0



#42

2,4,6-Tribromophenol

Concen: 123.714 ng

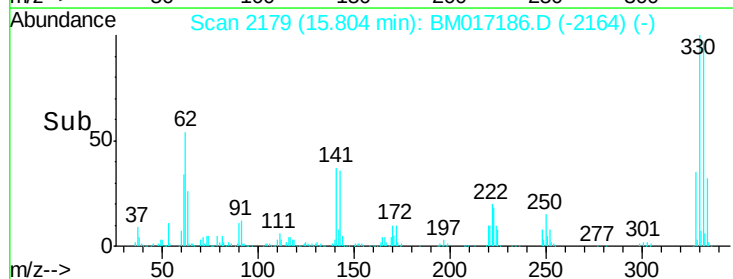
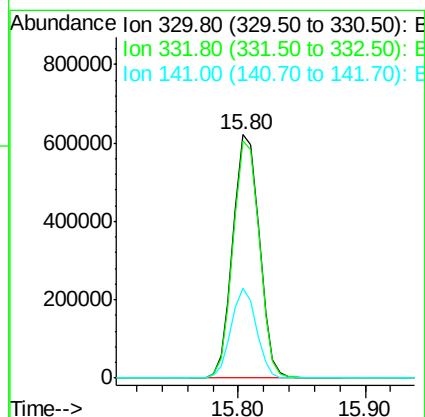
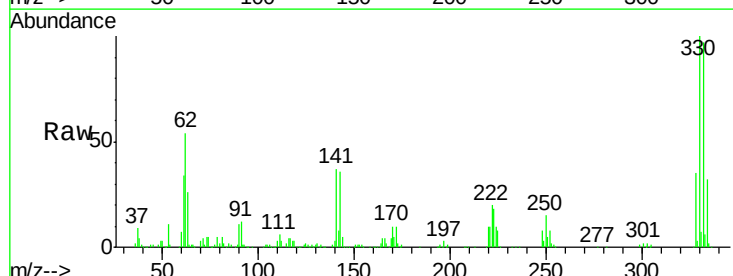
RT: 15.80 min Scan# 2179

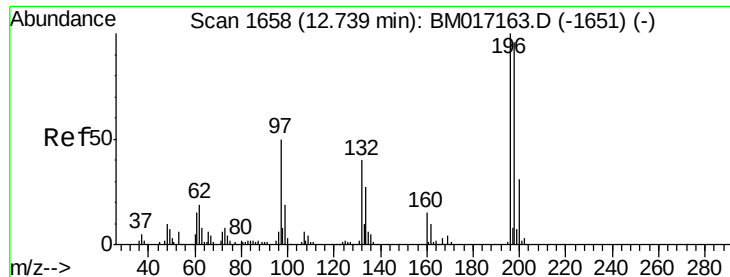
Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Tgt Ion:	330	Resp:	897529
Ion Ratio	Lower	Upper	
330	100		
332	96.6	77.3	115.9
141	35.5	27.4	41.0

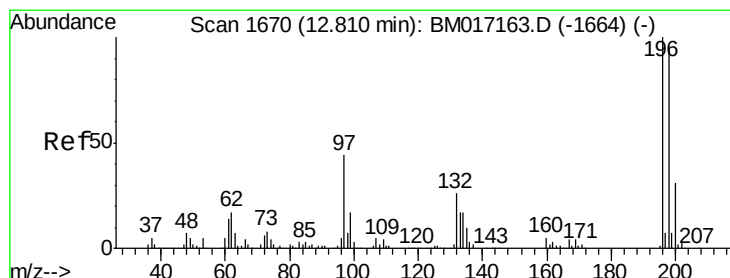
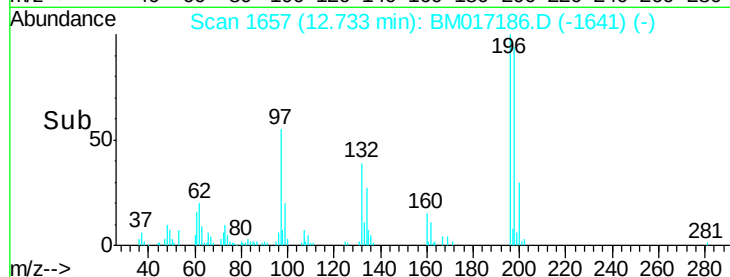
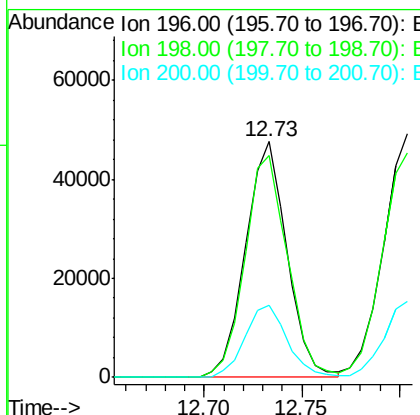
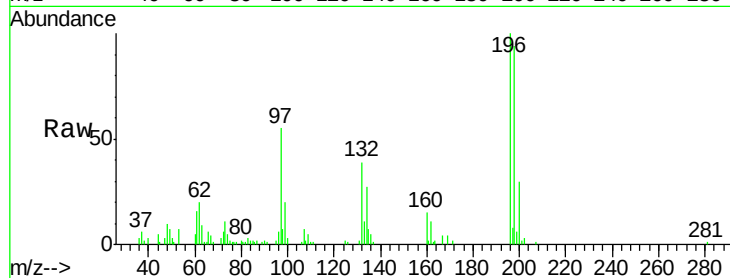




#43
 2,4,6-Trichlorophenol
 Concen: 6.373 ng
 RT: 12.73 min Scan# 1657
 Delta R.T. -0.01 min
 Lab File: BM017186.D
 Acq: 18 Oct 2018 10:57

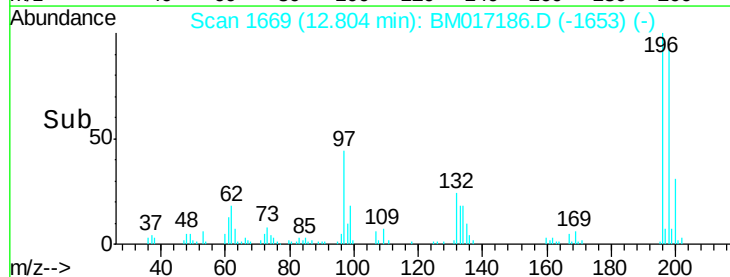
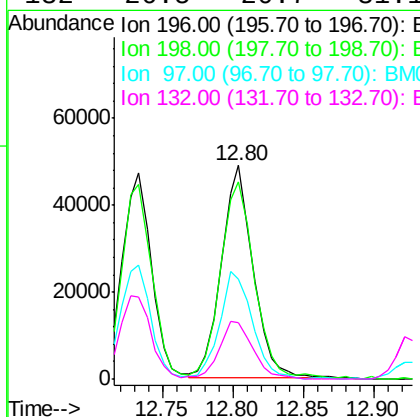
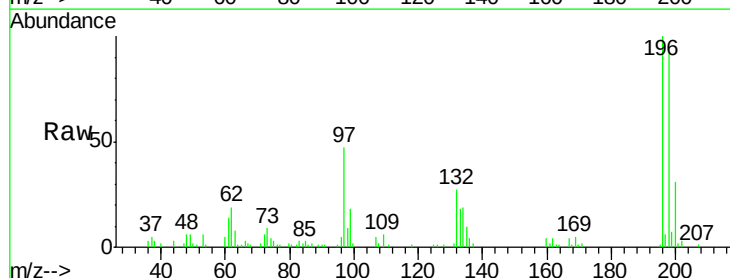
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

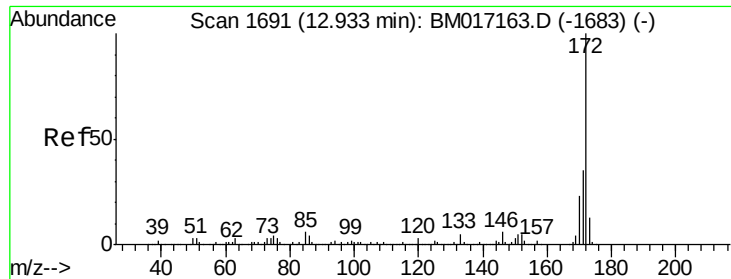
Tgt Ion:196 Resp: 69890
 Ion Ratio Lower Upper
 196 100
 198 94.3 77.1 115.7
 200 30.4 25.0 37.4



#44
 2,4,5-Trichlorophenol
 Concen: 6.456 ng
 RT: 12.80 min Scan# 1669
 Delta R.T. -0.01 min
 Lab File: BM017186.D
 Acq: 18 Oct 2018 10:57

Tgt Ion:196 Resp: 75927
 Ion Ratio Lower Upper
 196 100
 198 92.0 76.6 115.0
 97 46.7 35.5 53.3
 132 26.5 20.7 31.1

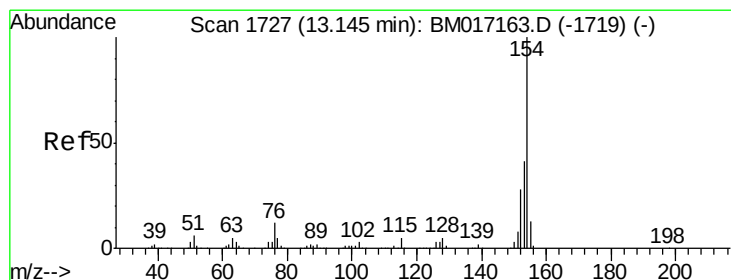
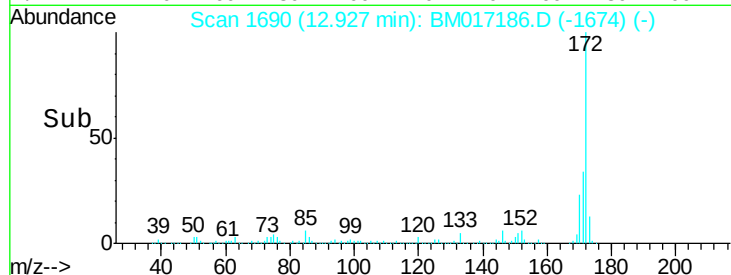
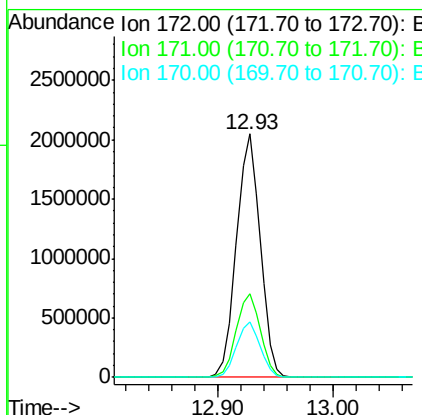
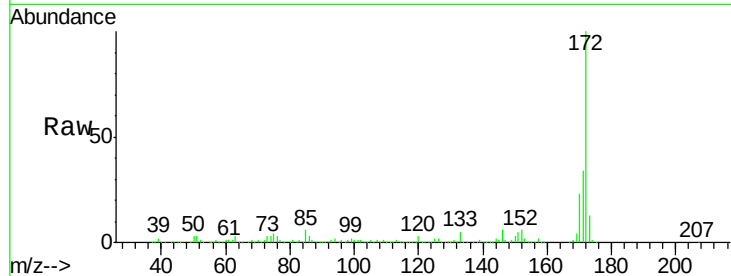




#45
2-Fluorobiphenyl
Concen: 72.392 ng
RT: 12.93 min Scan# 1690
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

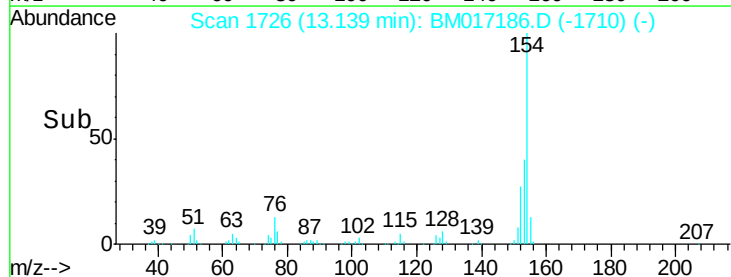
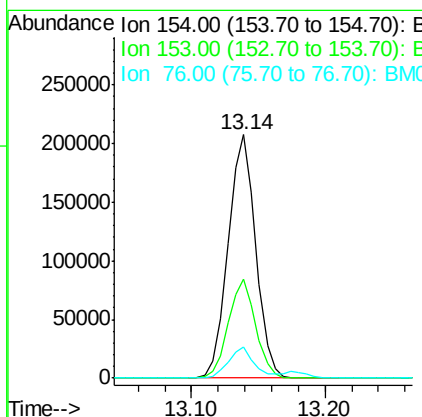
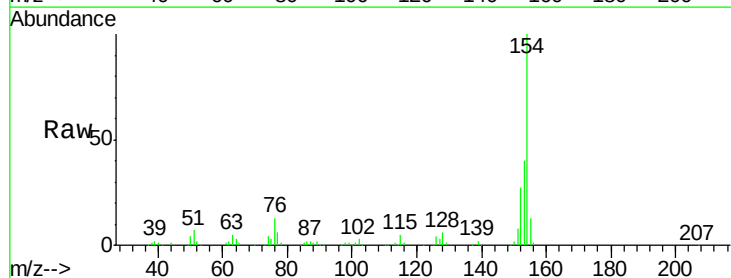
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

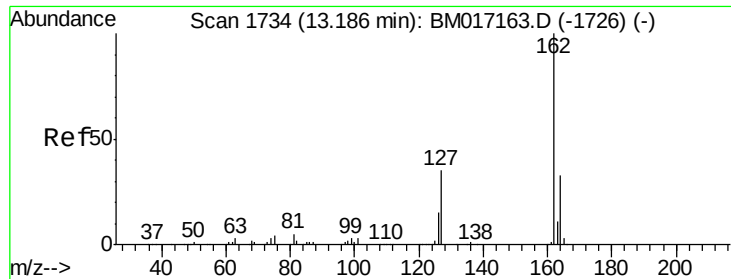
Tgt Ion:172 Resp: 2918762
Ion Ratio Lower Upper
172 100
171 34.4 28.3 42.5
170 22.8 18.3 27.5



#46
1,1'-Biphenyl
Concen: 6.195 ng
RT: 13.14 min Scan# 1726
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

Tgt Ion:154 Resp: 299075
Ion Ratio Lower Upper
154 100
153 40.4 20.5 60.5
76 12.6 0.0 31.8

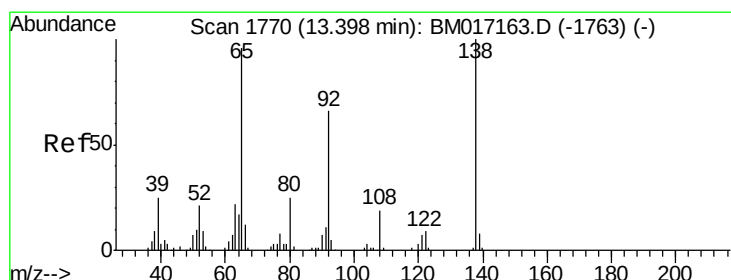
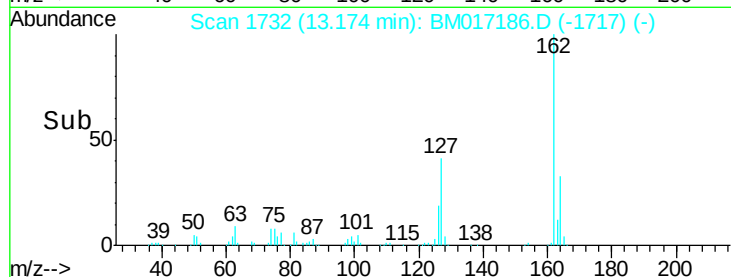
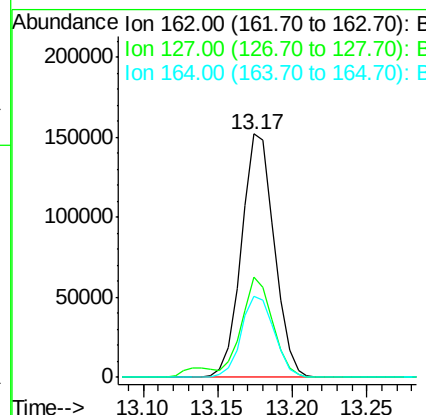
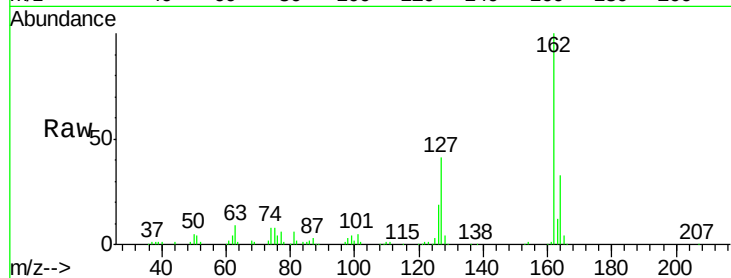




#47
2-Chloronaphthalene
Concen: 6.496 ng
RT: 13.17 min Scan# 1732
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

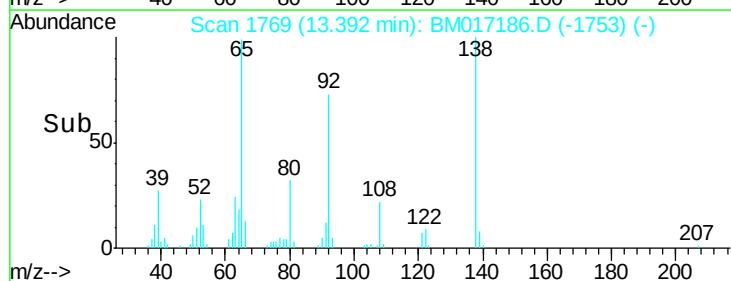
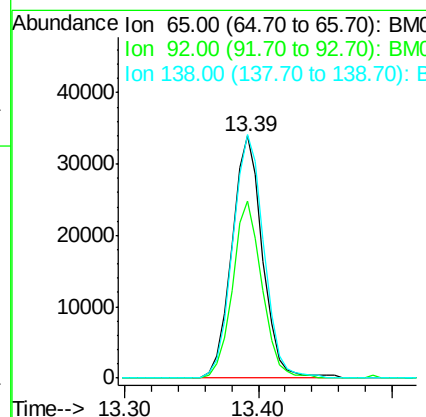
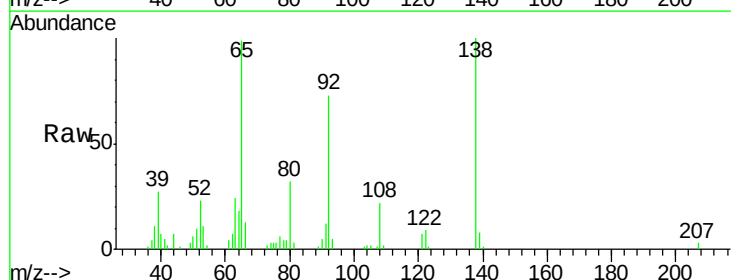
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

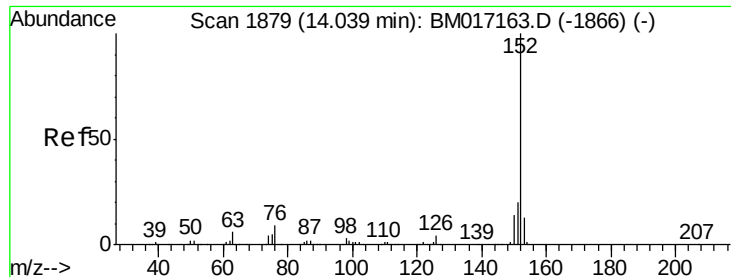
Tgt Ion: 162 Resp: 230708
Ion Ratio Lower Upper
162 100
127 41.1 31.0 46.4
164 33.4 26.6 39.8



#48
2-Nitroaniline
Concen: 10.464 ng
RT: 13.39 min Scan# 1769
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

Tgt Ion: 65 Resp: 54370
Ion Ratio Lower Upper
65 100
92 73.4 54.9 82.3
138 100.7 83.7 125.5





#49

Acenaphthylene

Concen: 7.094 ng

RT: 14.03 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

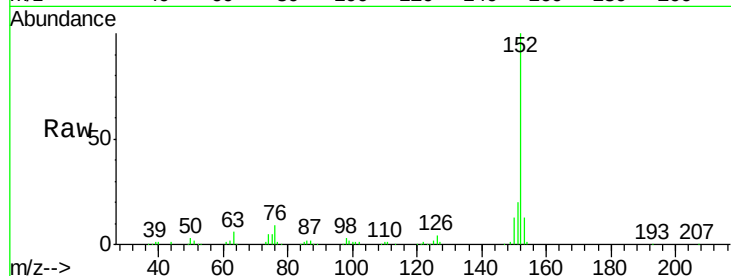
Tgt Ion:152 Resp: 365182

Ion Ratio Lower Upper

152 100

151 19.5 16.0 24.0

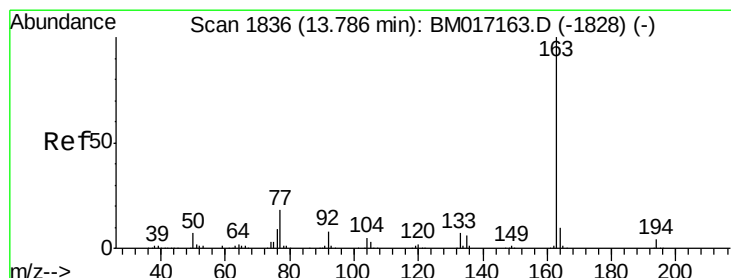
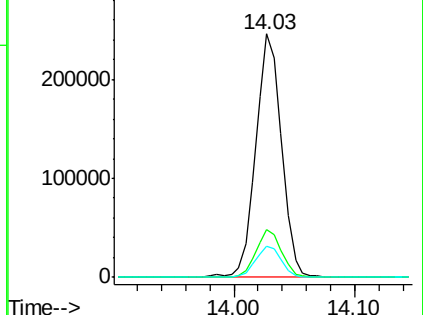
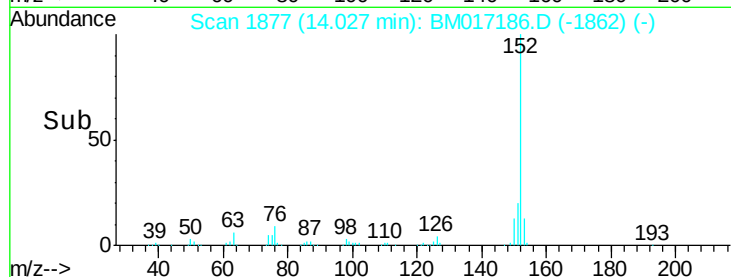
153 12.9 10.4 15.6



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: 7.047 ng

RT: 13.77 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

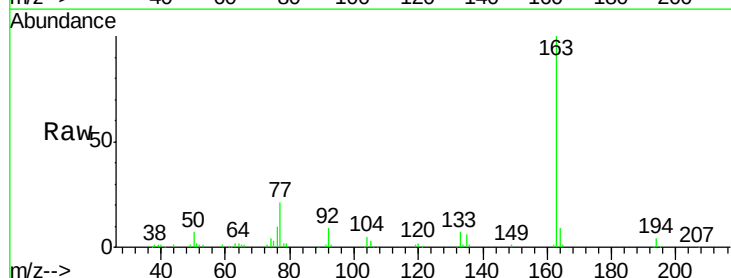
Tgt Ion:163 Resp: 291661

Ion Ratio Lower Upper

163 100

194 3.8 3.3 4.9

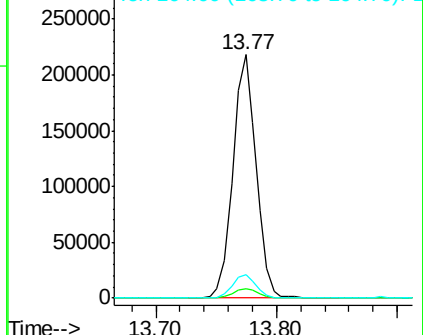
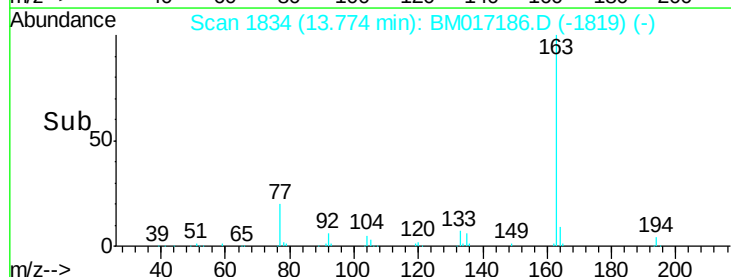
164 9.5 7.8 11.8

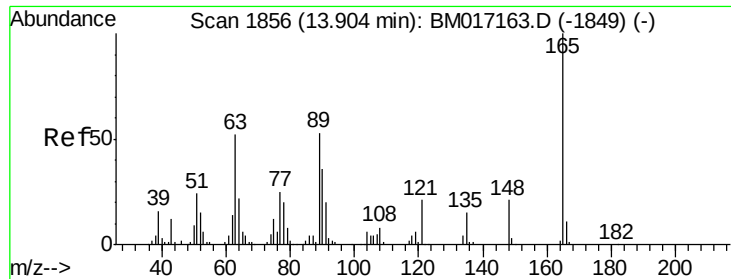


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 6.264 ng

RT: 13.89 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

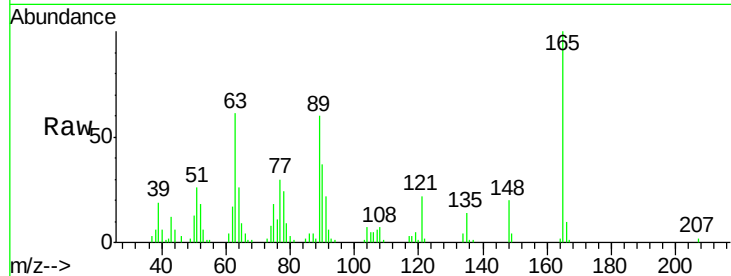
Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

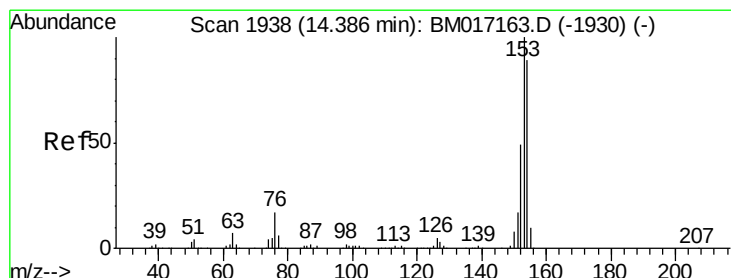
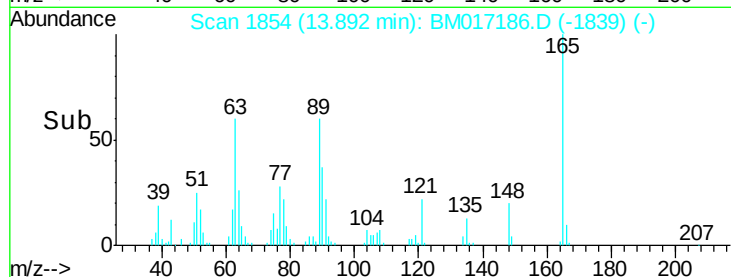
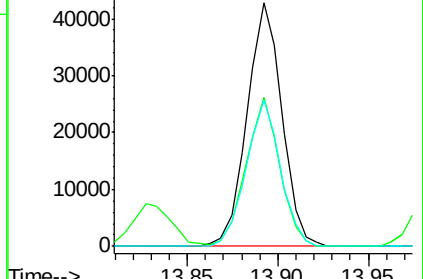
Tgt Ion:	165	Resp:	57065
Ion Ratio	Lower	Upper	
165	100		
63	61.1	42.7	64.1
89	60.1	42.1	63.1



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0



#52

Acenaphthene

Concen: 6.833 ng

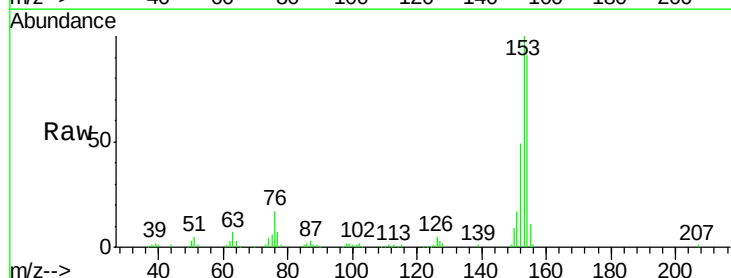
RT: 14.37 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

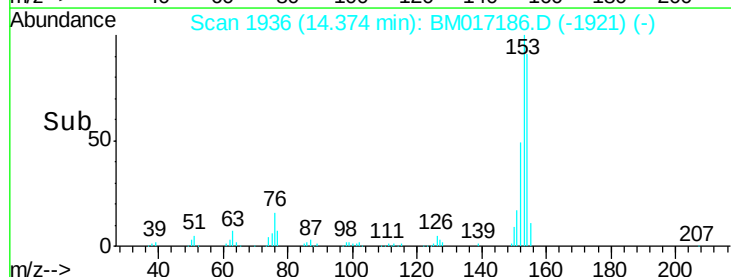
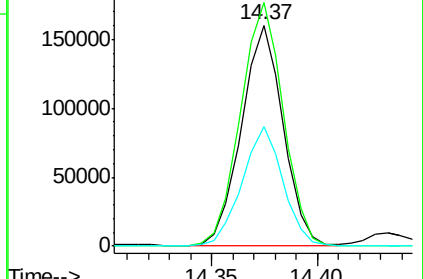
Tgt Ion:	154	Resp:	220853
Ion Ratio	Lower	Upper	
154	100		
153	110.4	90.2	135.2
152	54.2	44.2	66.4

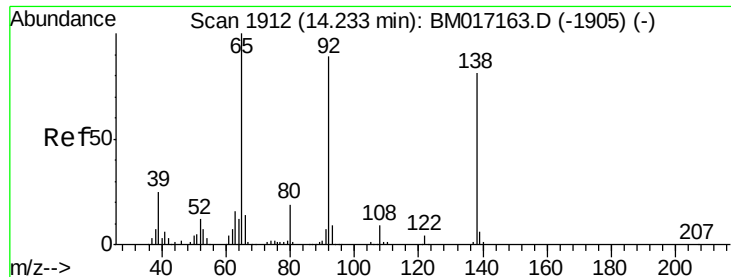


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

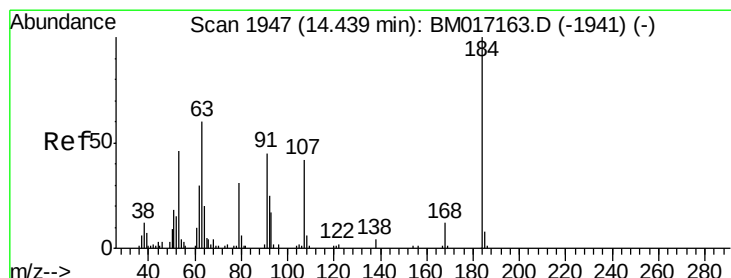
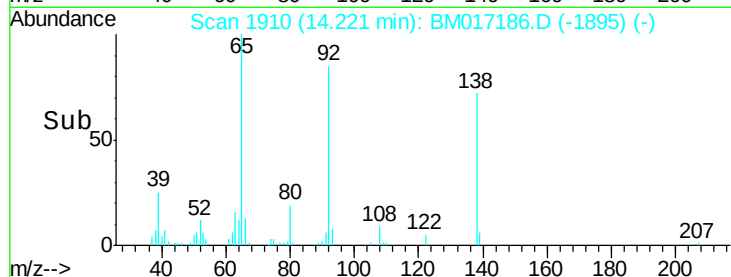
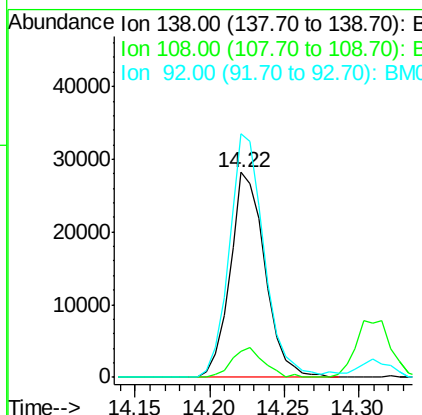
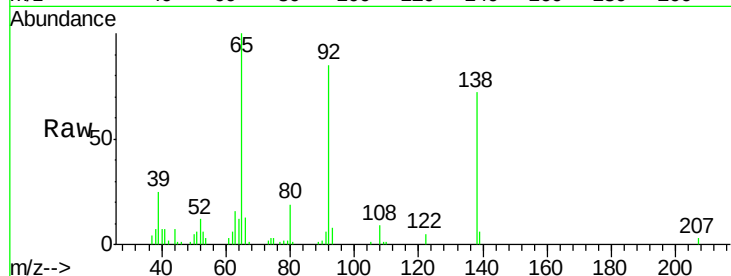




#53
3-Nitroaniline
Concen: 4.661 ng
RT: 14.22 min Scan# 1910
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

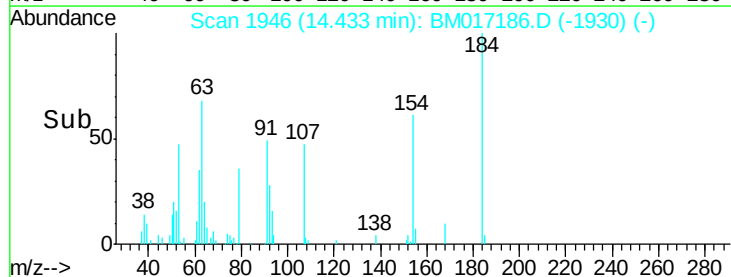
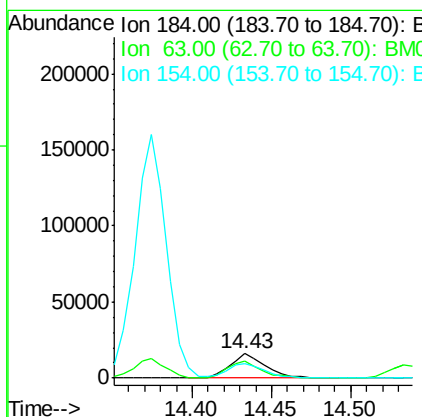
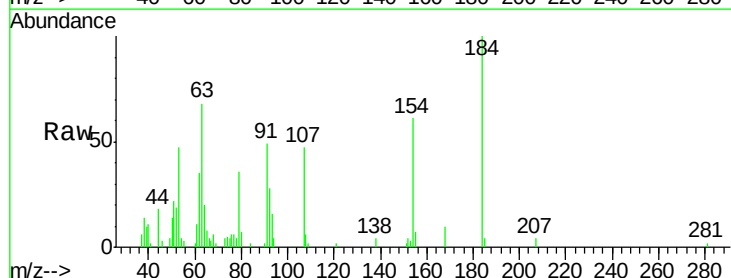
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

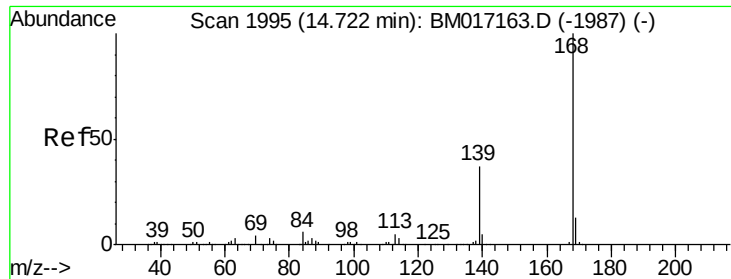
Tgt Ion:138 Resp: 45988
Ion Ratio Lower Upper
138 100
108 12.4 8.7 13.1
92 118.8 87.9 131.9



#54
2,4-Dinitrophenol
Concen: 12.300 ng
RT: 14.43 min Scan# 1946
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

Tgt Ion:184 Resp: 24265
Ion Ratio Lower Upper
184 100
63 67.9 51.2 76.8
154 61.1 47.8 71.8

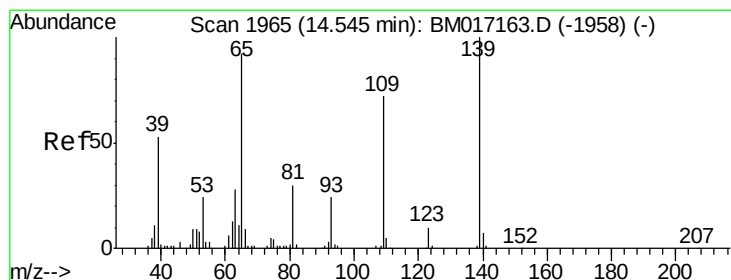
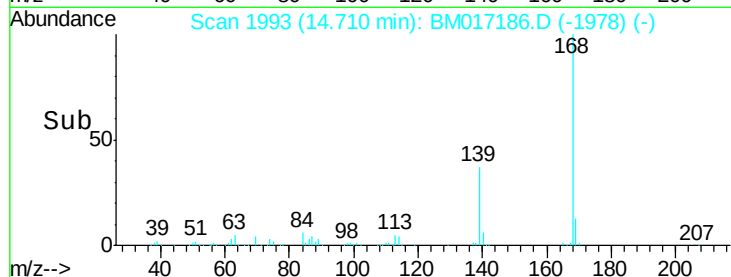
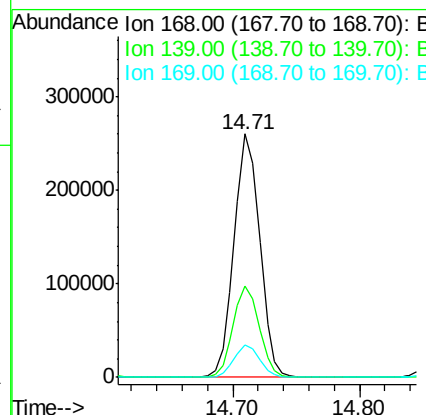
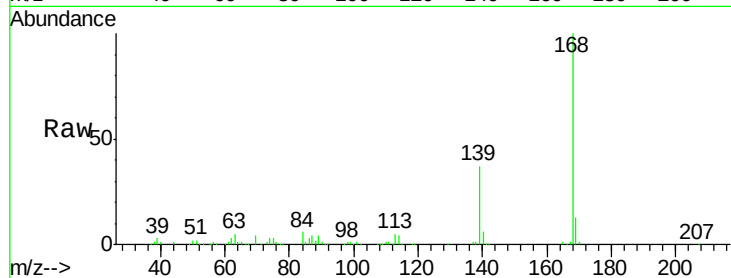




#55
Dibenzenofuran
Concen: 6.786 ng
RT: 14.71 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

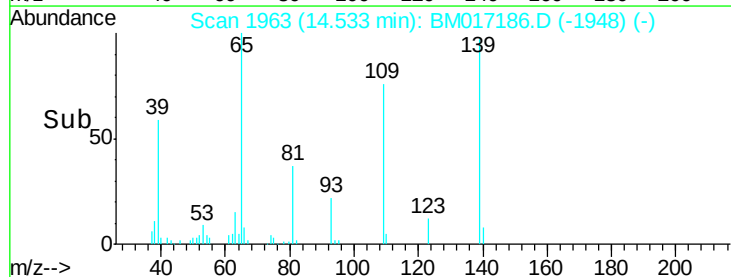
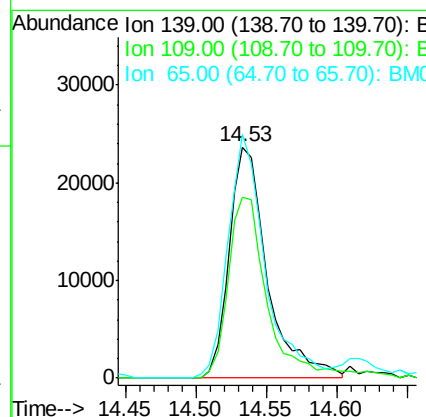
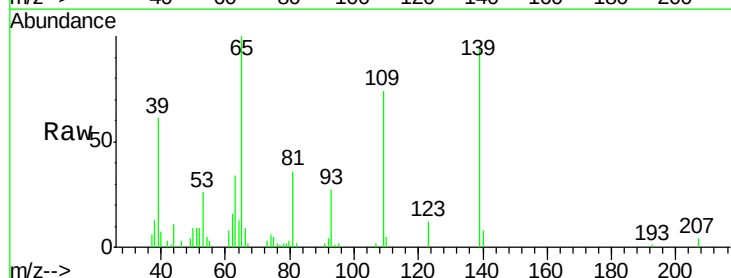
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

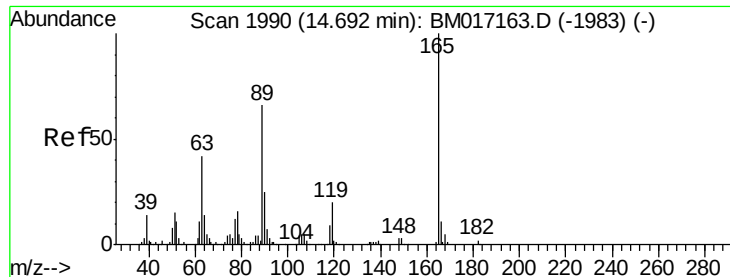
Tgt Ion:168 Resp: 364735
Ion Ratio Lower Upper
168 100
139 37.3 29.3 43.9
169 13.3 10.6 15.8



#56
4-Nitrophenol
Concen: 9.380 ng
RT: 14.53 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

Tgt Ion:139 Resp: 44560
Ion Ratio Lower Upper
139 100
109 78.1 51.8 91.8
65 105.3 72.1 112.1

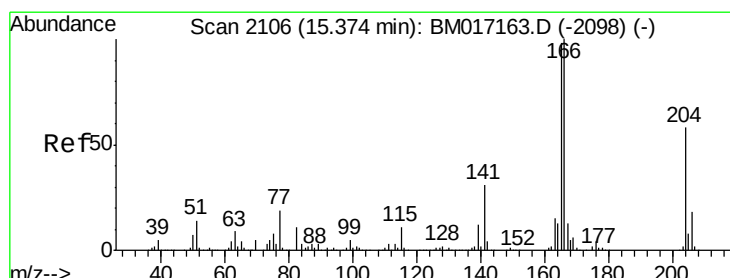
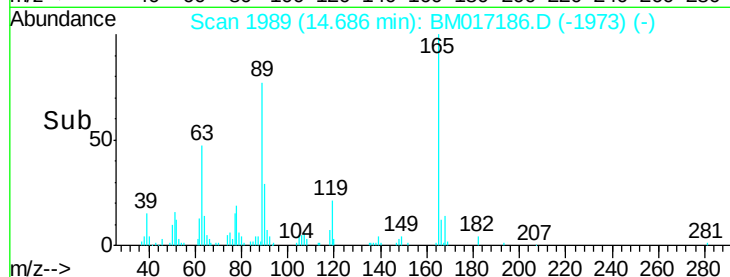
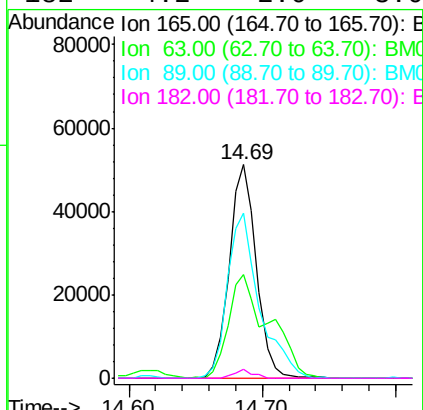
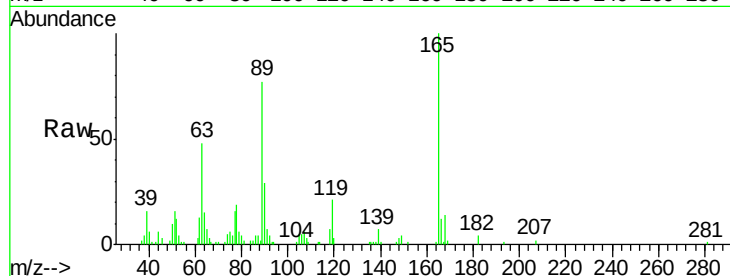




#57
2,4-Dinitrotoluene
Concen: 5.918 ng
RT: 14.69 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

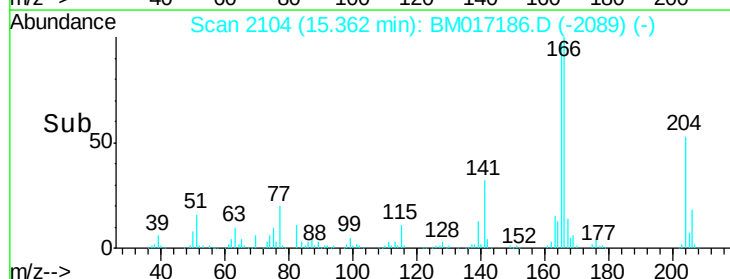
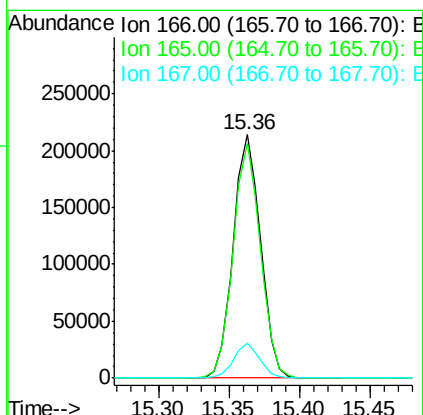
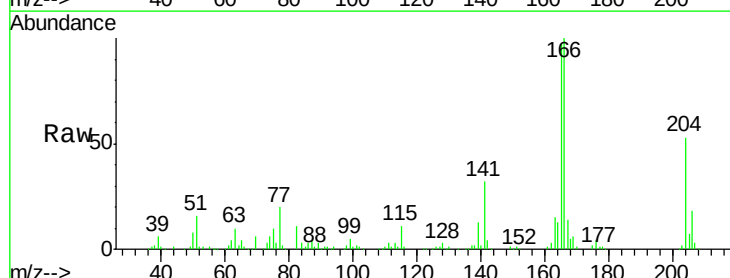
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

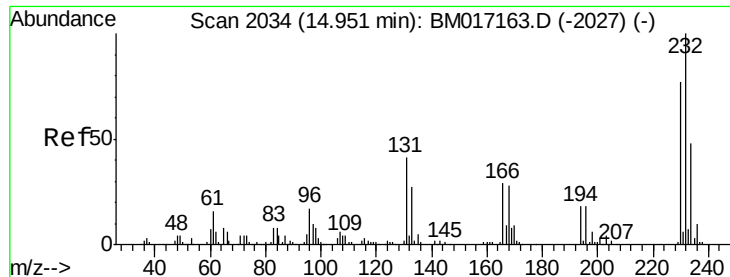
Tgt Ion:	165	Resp:	72453
Ion	Ratio	Lower	Upper
165	100		
63	48.4	33.8	50.8
89	77.3	53.1	79.7
182	4.2	2.0	3.0#



#58
Fluorene
Concen: 7.291 ng
RT: 15.36 min Scan# 2104
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

Tgt Ion:	166	Resp:	290071
Ion	Ratio	Lower	Upper
166	100		
165	96.6	78.1	117.1
167	14.4	10.6	16.0

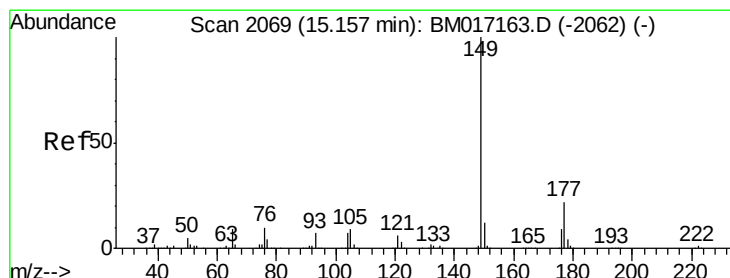
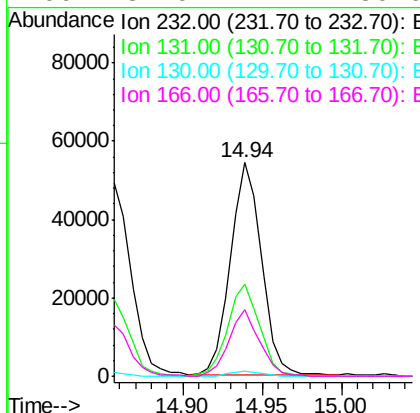
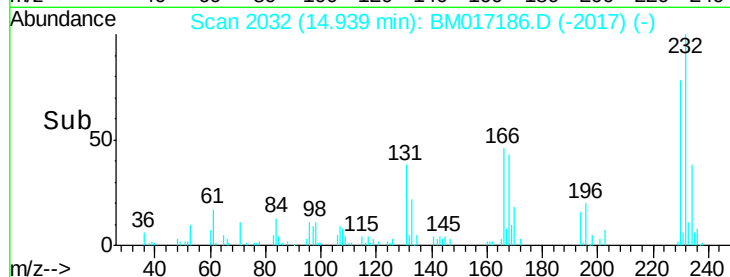
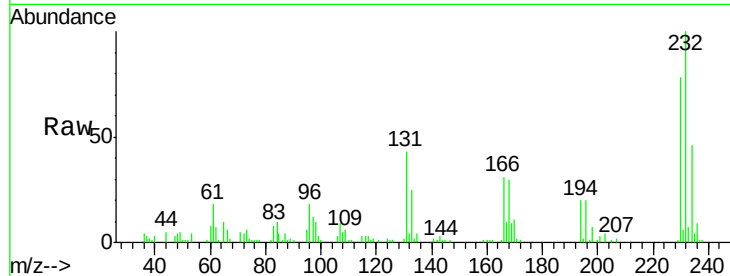




#59
2,3,4,6-Tetrachlorophenol
Concen: 6.830 ng
RT: 14.94 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

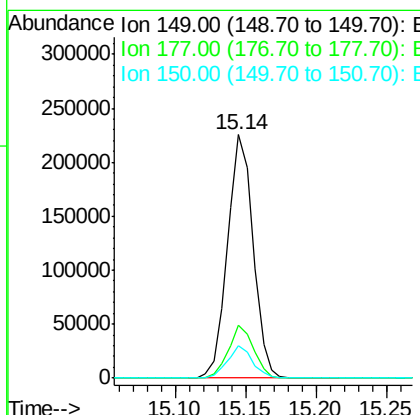
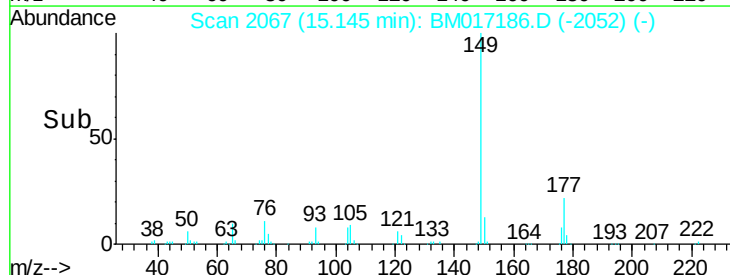
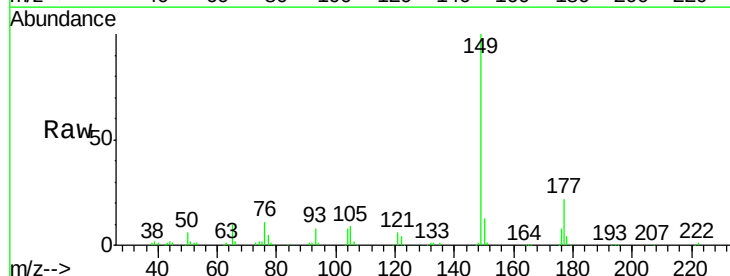
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

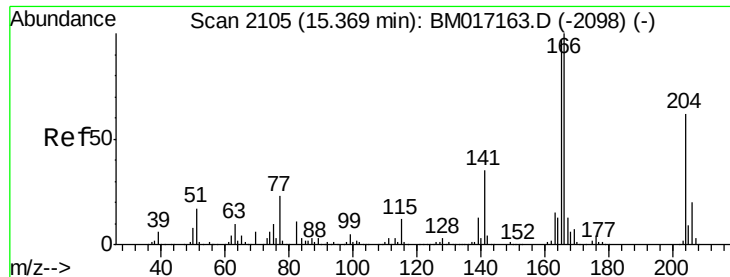
Tgt Ion: 232 Resp: 73214
Ion Ratio Lower Upper
232 100
131 44.6 33.1 49.7
130 2.3 1.7 2.5
166 31.0 24.4 36.6



#60
Diethylphthalate
Concen: 6.939 ng
RT: 15.14 min Scan# 2067
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

Tgt Ion: 149 Resp: 284831
Ion Ratio Lower Upper
149 100
177 21.9 17.7 26.5
150 13.1 10.0 15.0

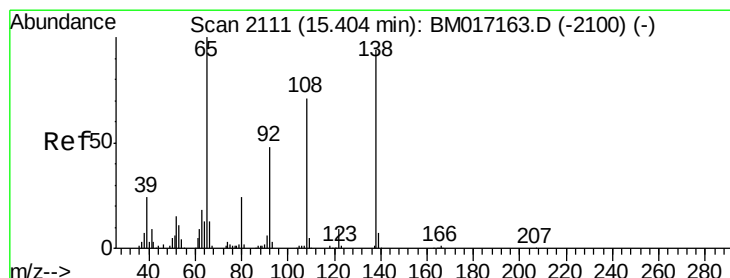
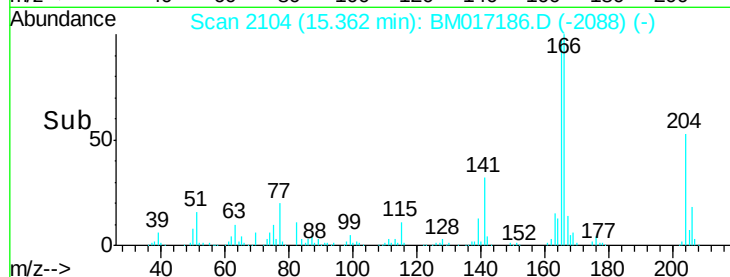
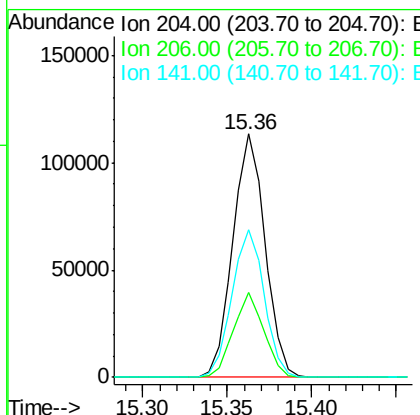
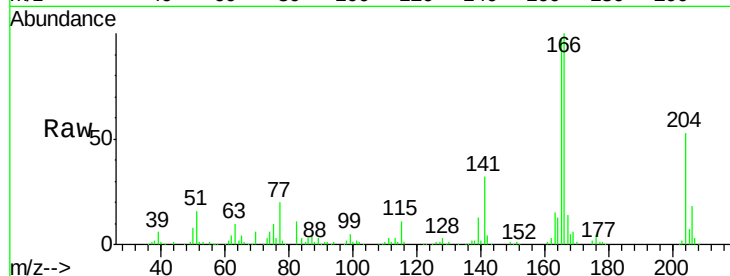




#61
 4-Chlorophenyl-phenylether
 Concen: 6.654 ng
 RT: 15.36 min Scan# 2104
 Delta R.T. -0.01 min
 Lab File: BM017186.D
 Acq: 18 Oct 2018 10:57

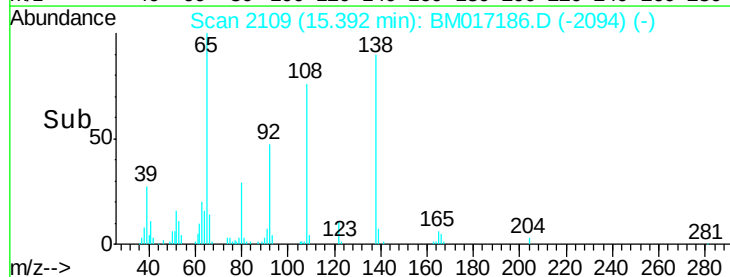
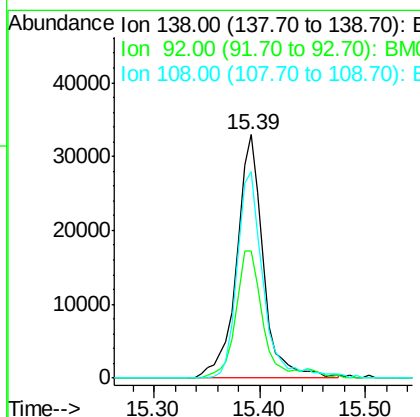
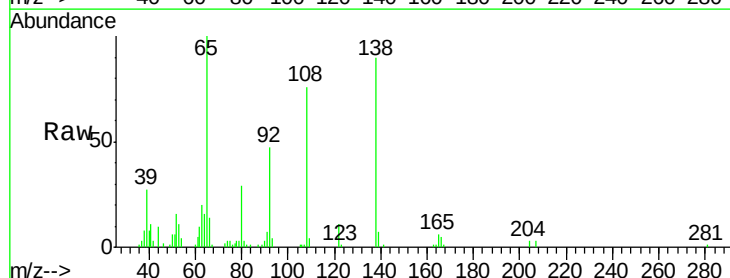
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

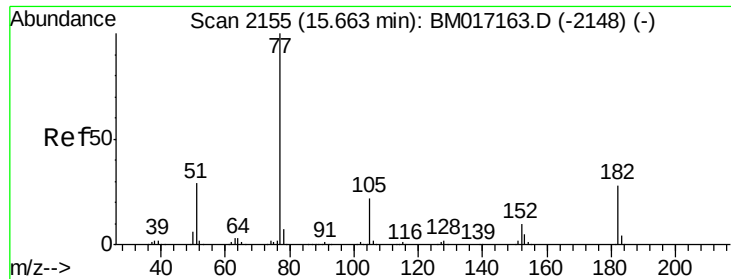
Tgt Ion:204 Resp: 150922
 Ion Ratio Lower Upper
 204 100
 206 34.9 26.1 39.1
 141 60.6 45.4 68.2



#62
 4-Nitroaniline
 Concen: 9.435 ng
 RT: 15.39 min Scan# 2109
 Delta R.T. -0.01 min
 Lab File: BM017186.D
 Acq: 18 Oct 2018 10:57

Tgt Ion:138 Resp: 57198
 Ion Ratio Lower Upper
 138 100
 92 52.4 31.2 71.2
 108 84.6 55.5 95.5

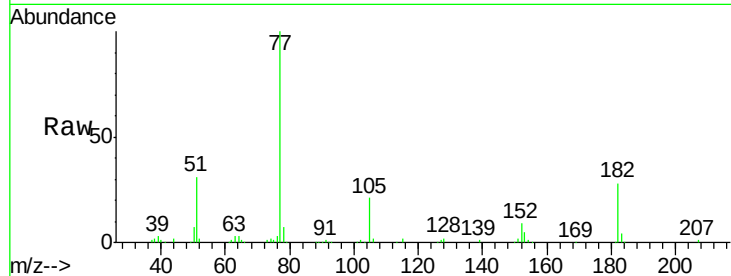




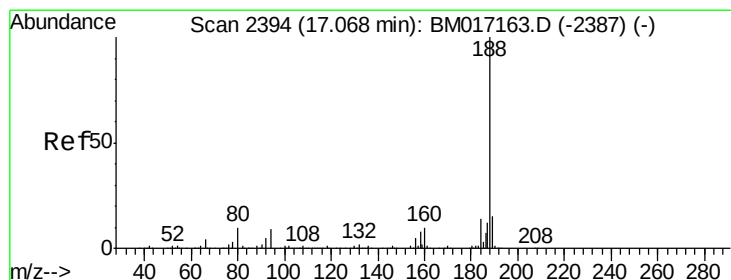
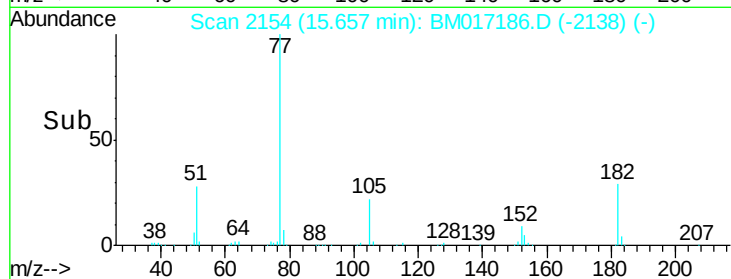
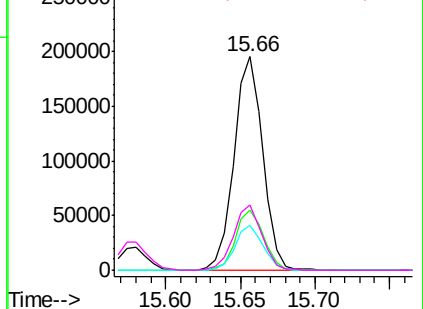
#63
Azobenzene
Concen: 6.579 ng
RT: 15.66 min Scan# 2154
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

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

Tgt Ion:	77	Resp:	262471
Ion	Ratio	Lower	Upper
77	100		
182	28.1	8.3	48.3
105	21.3	1.5	41.5
51	30.6	8.8	48.8

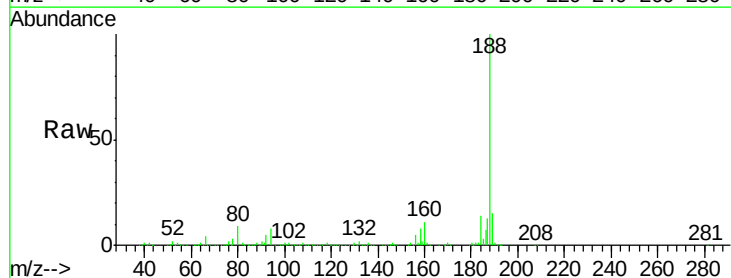


Abundance Ion 77.00 (76.70 to 77.70): BM017186.D (-2148) (-)

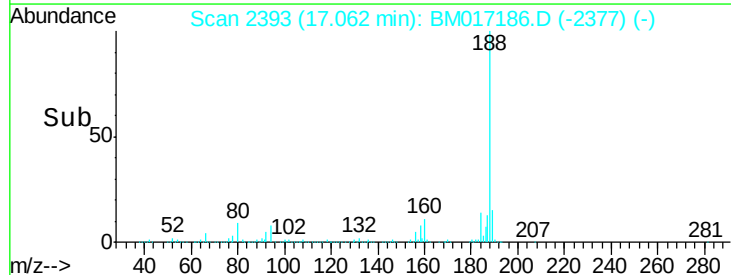
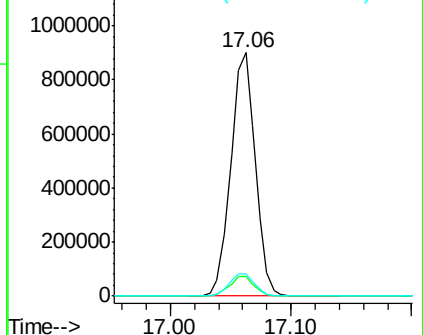


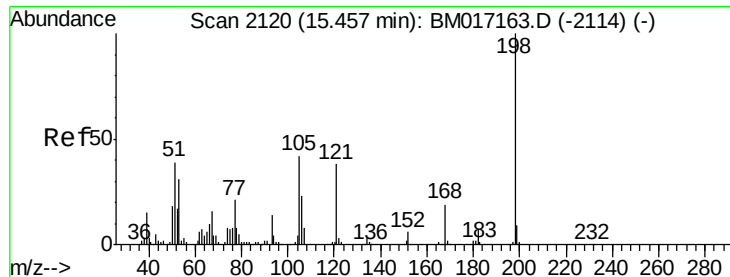
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.06 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

Tgt Ion:	188	Resp:	1270367
Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.0	10.4
80	8.9	7.7	11.5



Abundance Ion 188.00 (187.70 to 188.70): BM017186.D (-2387) (-)

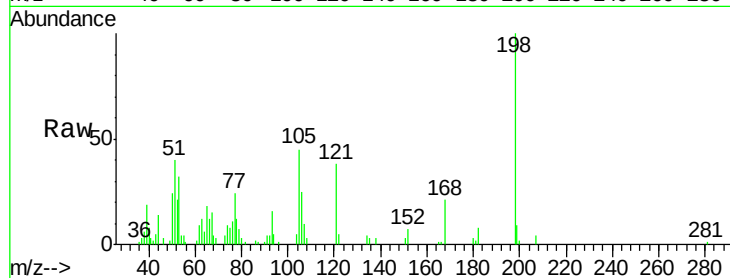




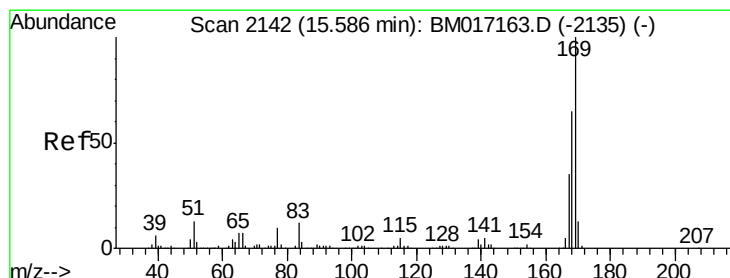
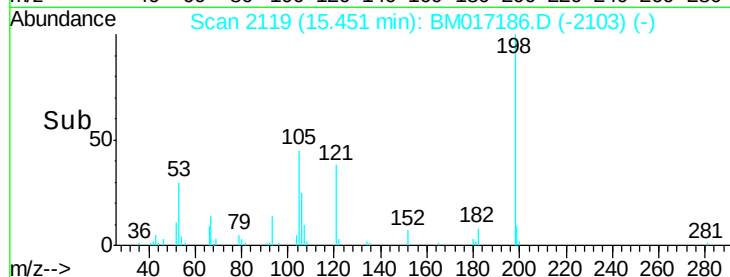
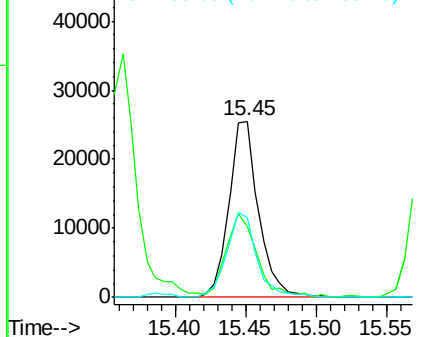
#65
 4,6-Dinitro-2-methylphenol
 Concen: 10.936 ng
 RT: 15.45 min Scan# 2119
 Delta R.T. -0.01 min
 Lab File: BM017186.D
 Acq: 18 Oct 2018 10:57

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

Tgt Ion:198 Resp: 37574
 Ion Ratio Lower Upper
 198 100
 51 40.3 20.3 60.3
 105 45.2 21.9 61.9

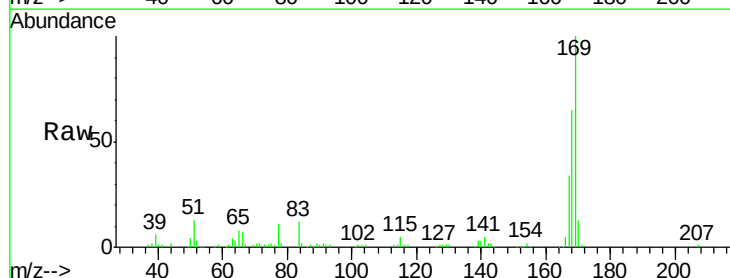


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BM017186.D (-2114) (-)
 Ion 105.00 (104.70 to 105.70): E

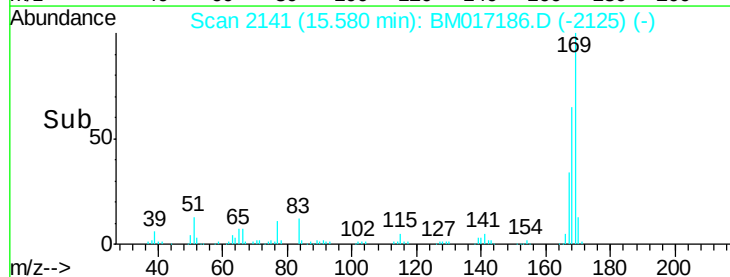
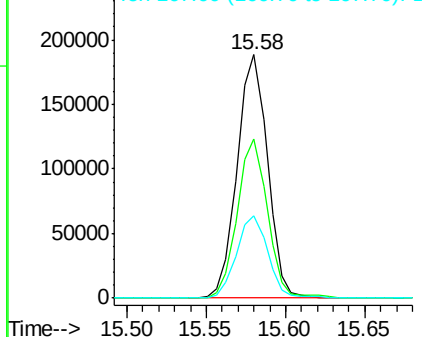


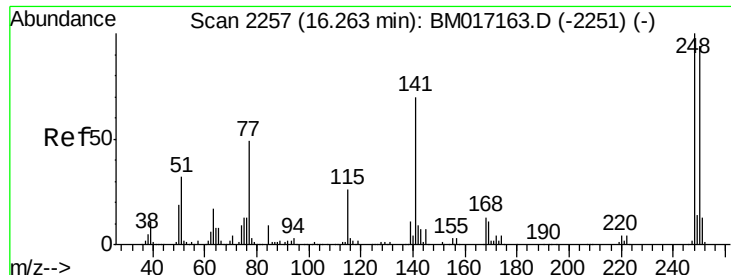
#66
 n-Nitrosodiphenylamine
 Concen: 6.533 ng
 RT: 15.58 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: BM017186.D
 Acq: 18 Oct 2018 10:57

Tgt Ion:169 Resp: 251081
 Ion Ratio Lower Upper
 169 100
 168 65.4 52.2 78.4
 167 33.8 28.4 42.6



Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

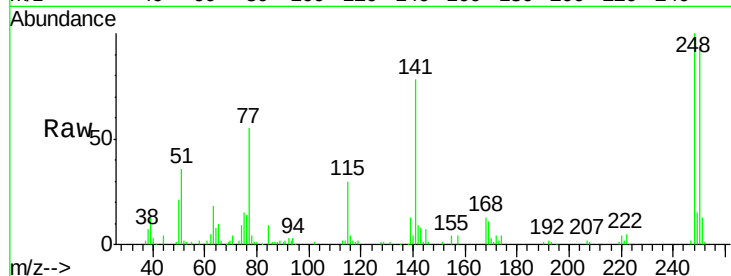




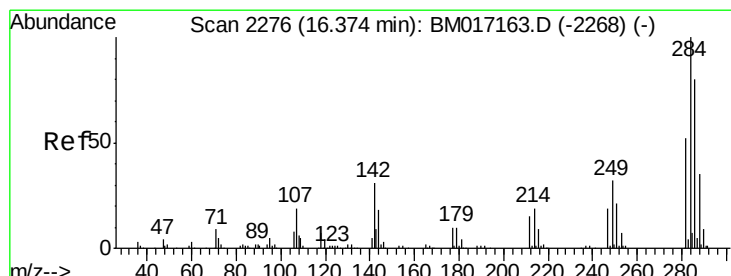
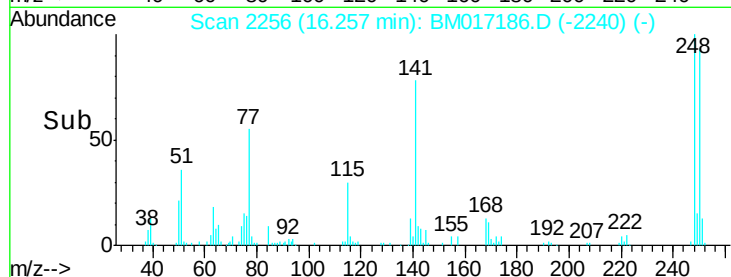
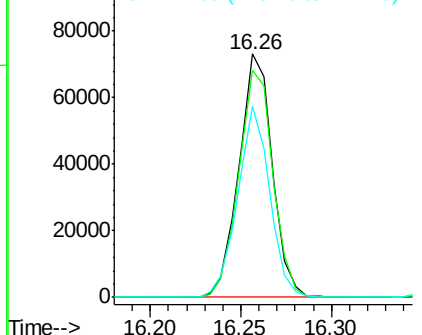
#67
 4-Bromophenyl-phenylether
 Concen: 6.708 ng
 RT: 16.26 min Scan# 2256
 Delta R.T. -0.01 min
 Lab File: BM017186.D
 Acq: 18 Oct 2018 10:57

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

Tgt Ion:248 Resp: 93566
 Ion Ratio Lower Upper
 248 100
 250 93.1 75.1 112.7
 141 78.3 55.6 83.4

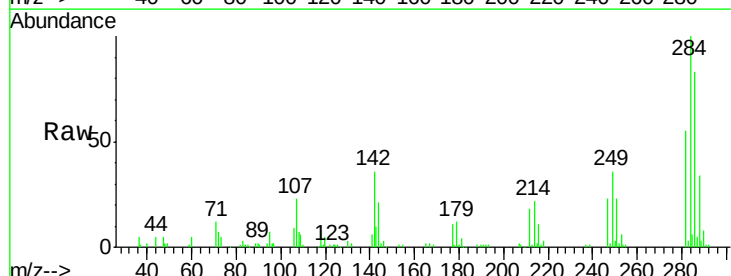


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

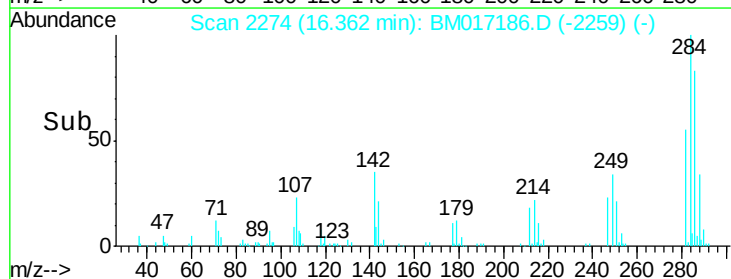
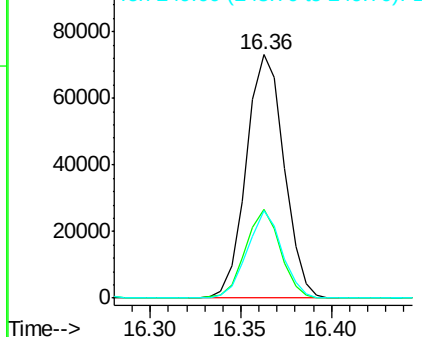


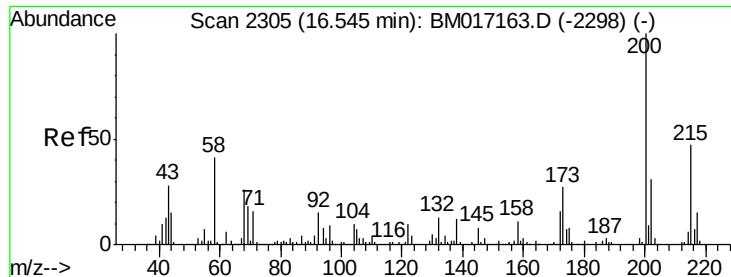
#68
 Hexachlorobenzene
 Concen: 6.536 ng
 RT: 16.36 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: BM017186.D
 Acq: 18 Oct 2018 10:57

Tgt Ion:284 Resp: 105898
 Ion Ratio Lower Upper
 284 100
 142 36.3 25.0 37.6
 249 35.8 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

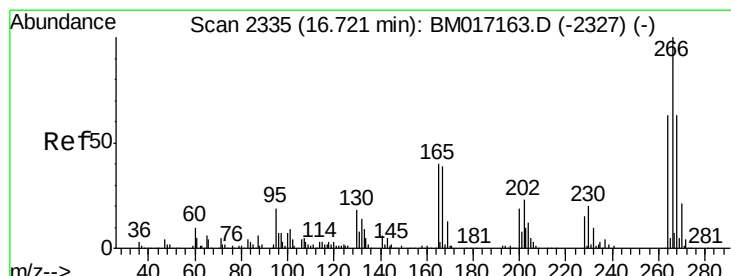
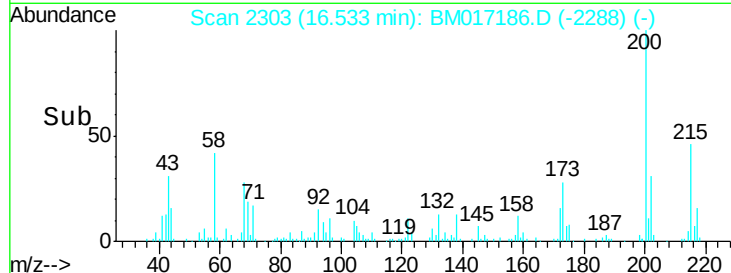
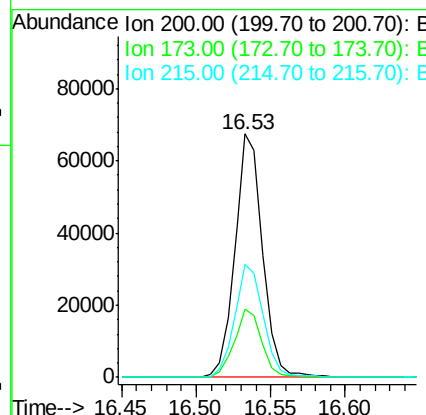
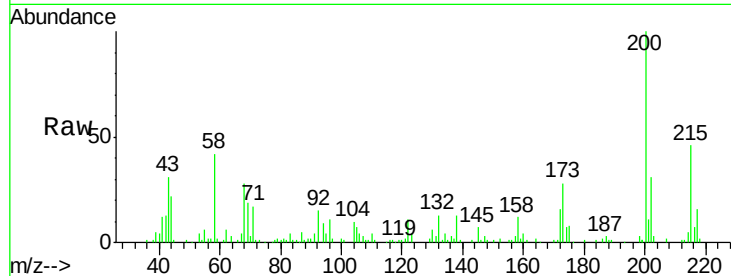




#69
Atrazine
Concen: 6.346 ng
RT: 16.53 min Scan# 2303
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

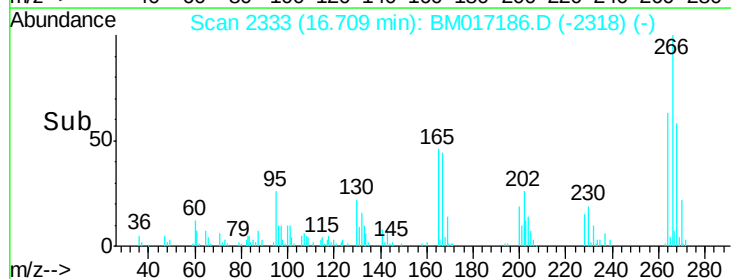
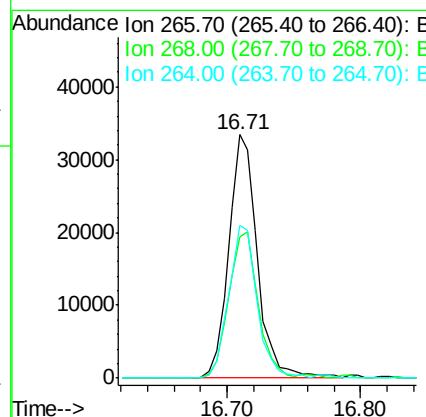
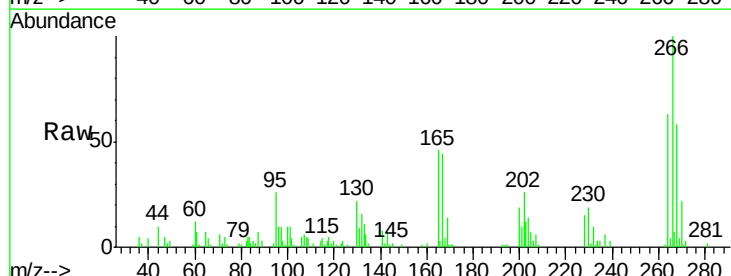
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

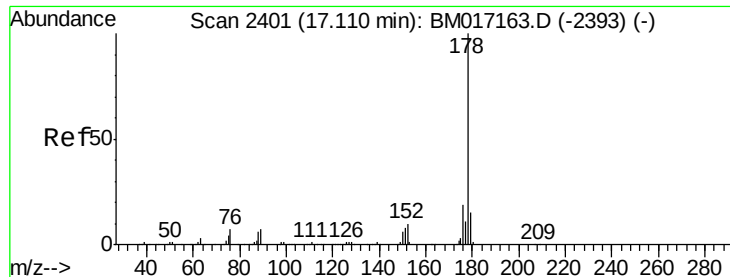
Tgt Ion:200 Resp: 87301
Ion Ratio Lower Upper
200 100
173 27.9 7.0 47.0
215 46.5 27.3 67.3



#70
Pentachlorophenol
Concen: 4.524 ng
RT: 16.71 min Scan# 2333
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

Tgt Ion:266 Resp: 50213
Ion Ratio Lower Upper
266 100
268 58.1 50.7 76.1
264 62.8 50.4 75.6

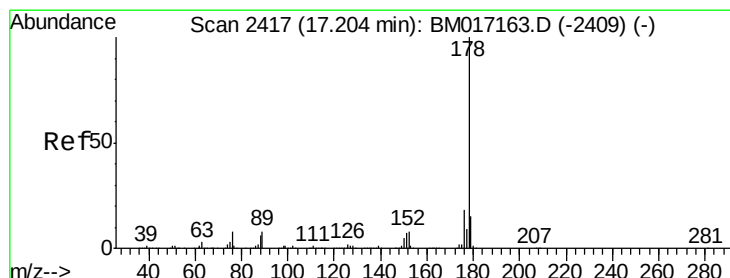
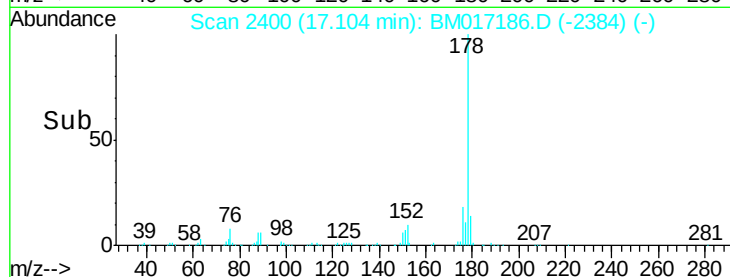
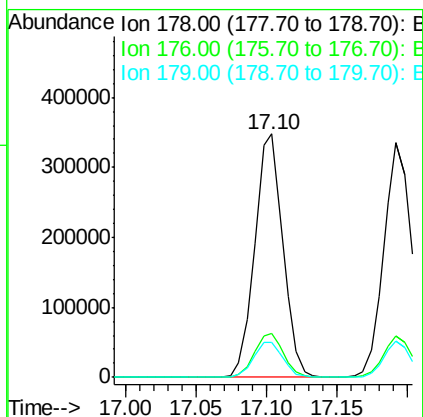
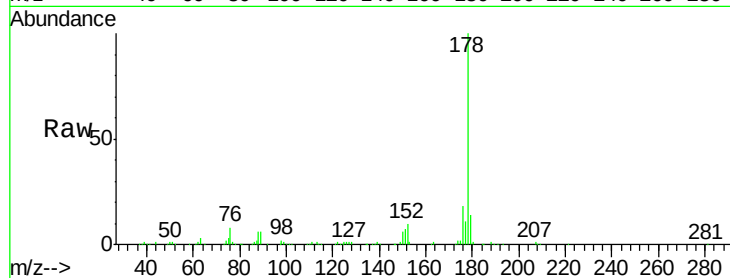




#71
Phenanthrene
Concen: 7.140 ng
RT: 17.10 min Scan# 2400
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

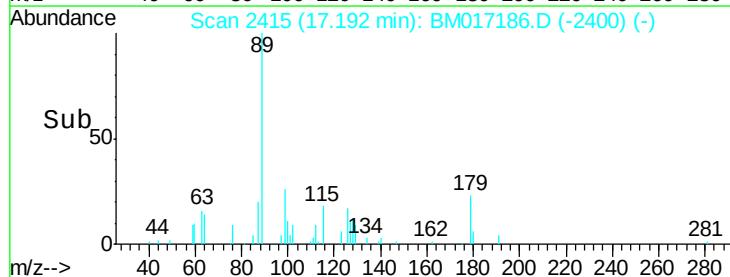
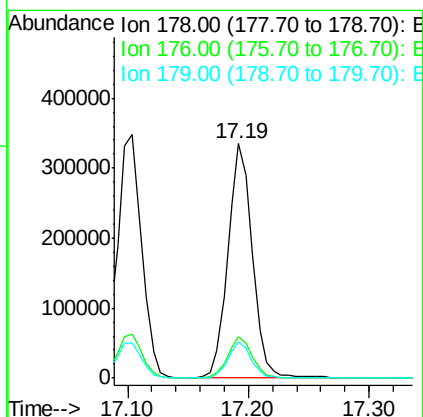
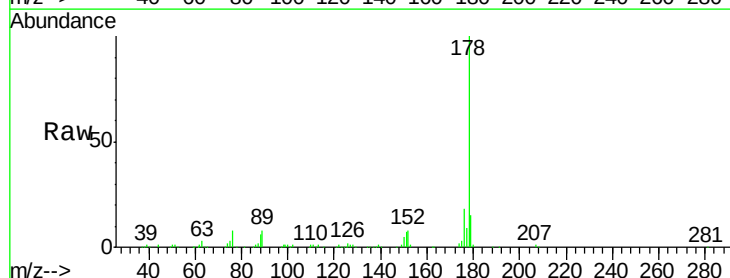
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

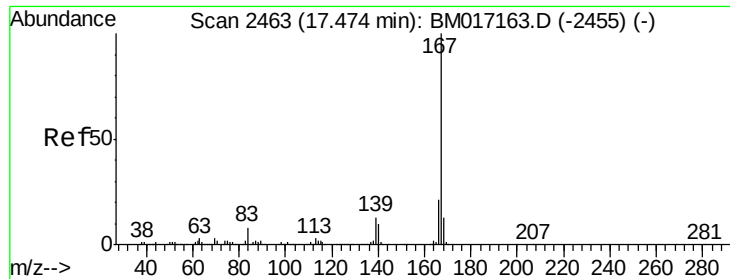
Tgt Ion:178 Resp: 489349
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.6
179 14.5 12.3 18.5



#72
Anthracene
Concen: 7.174 ng
RT: 17.19 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

Tgt Ion:178 Resp: 467238
Ion Ratio Lower Upper
178 100
176 17.6 14.5 21.7
179 15.3 12.2 18.2

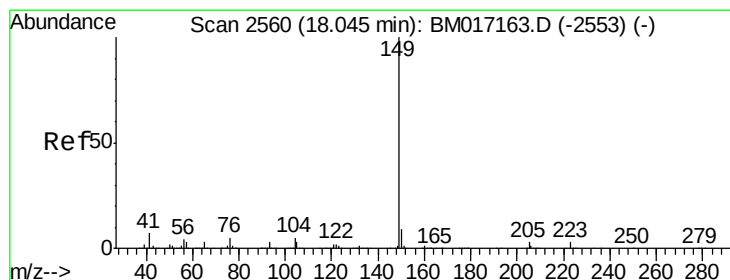
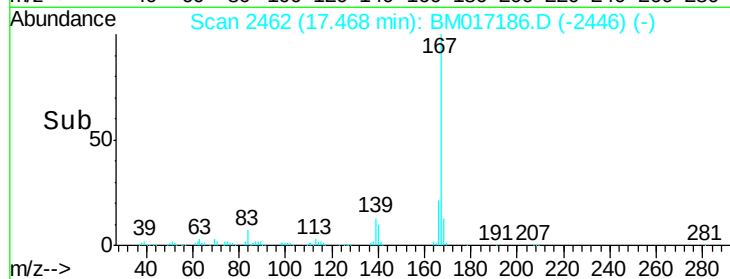
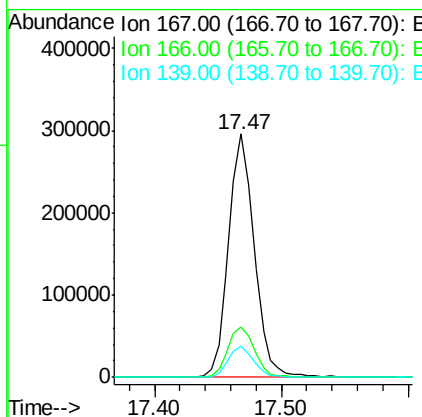
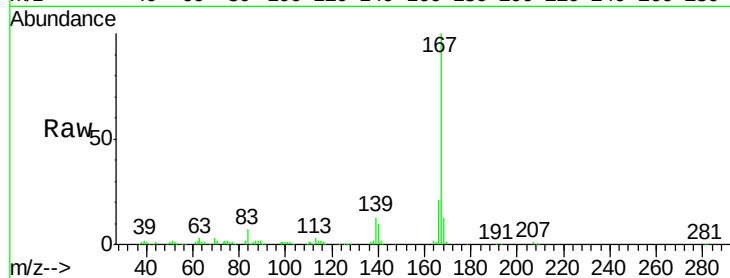




#73
 Carbazole
 Concen: 6.261 ng
 RT: 17.47 min Scan# 2462
 Delta R.T. -0.01 min
 Lab File: BM017186.D
 Acq: 18 Oct 2018 10:57

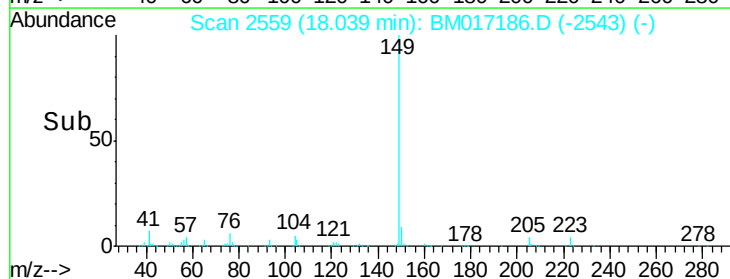
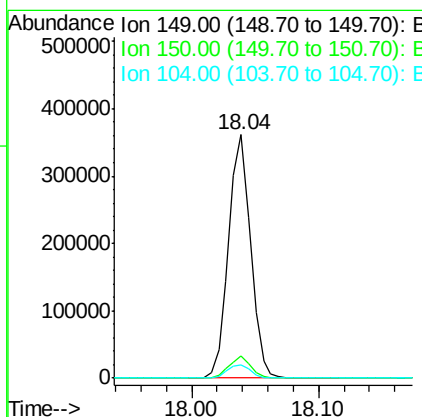
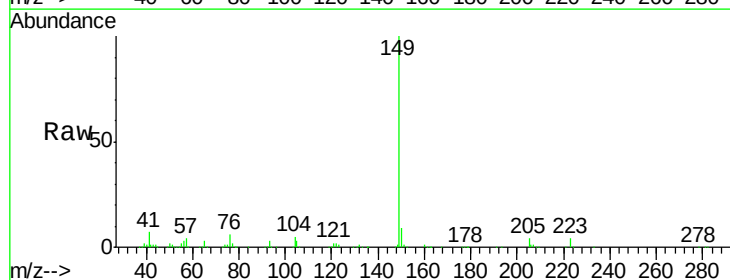
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

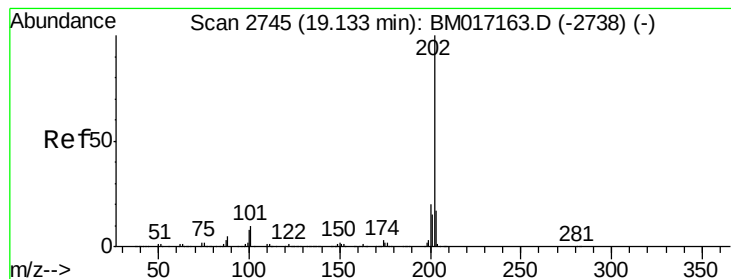
Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.1	25.7
139	13.0	10.1	15.1



#74
 Di-n-butylphthalate
 Concen: 6.198 ng
 RT: 18.04 min Scan# 2559
 Delta R.T. -0.01 min
 Lab File: BM017186.D
 Acq: 18 Oct 2018 10:57

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	5.5	4.3	6.5





#75

Fluoranthene

Concen: 7.312 ng

RT: 19.12 min Scan# 2743

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

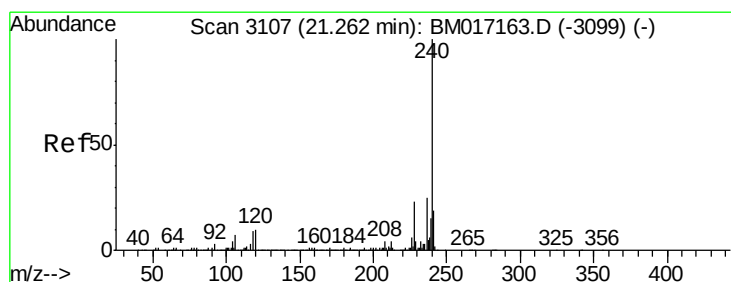
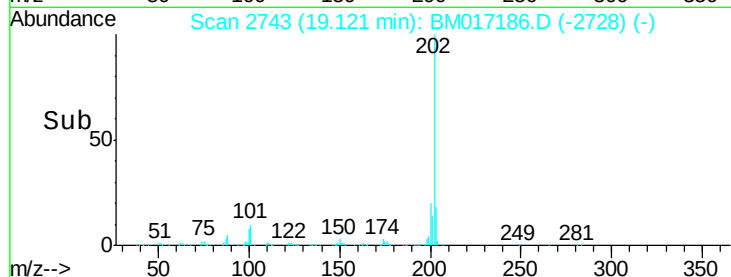
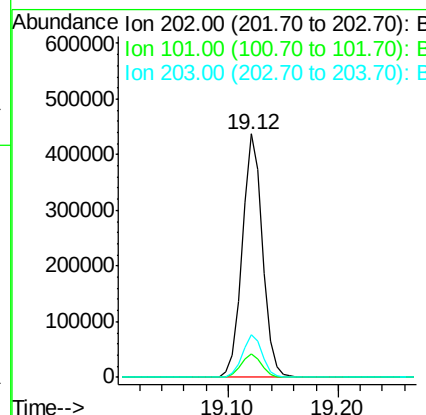
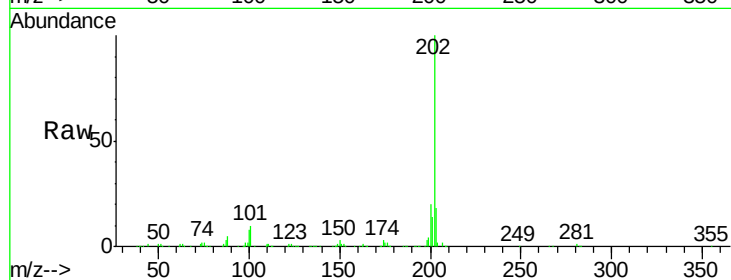
Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	202	Resp:	563938
Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	30.0
203	17.6	0.0	37.2



#76

Chrysene-d12

Concen: 20.000 ng

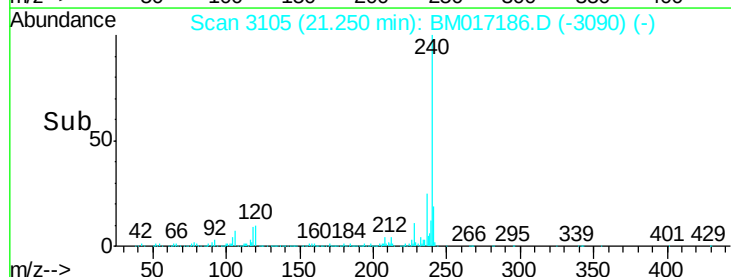
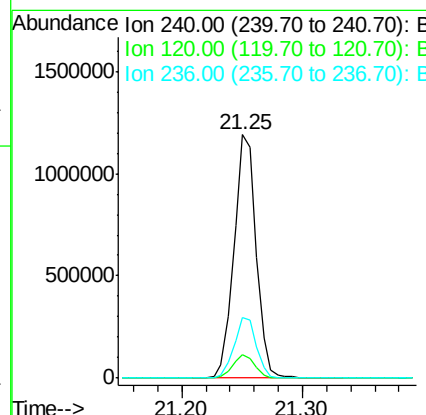
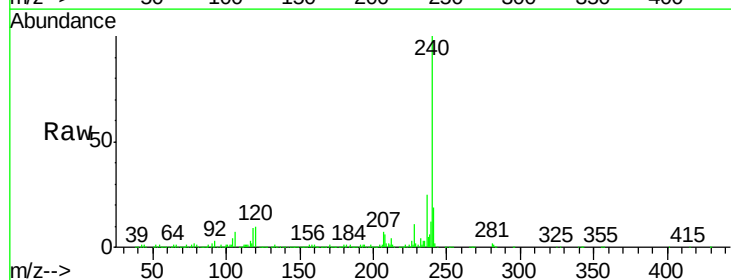
RT: 21.25 min Scan# 3105

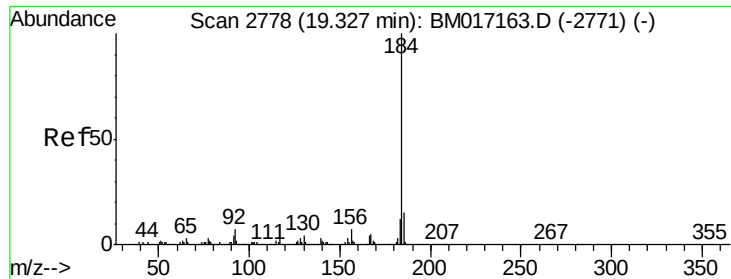
Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Tgt Ion:	240	Resp:	1526499
Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.1	12.1
236	25.0	19.9	29.9





#77

Benzidine

Concen: 3.532 ng

RT: 19.32 min Scan# 2777

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

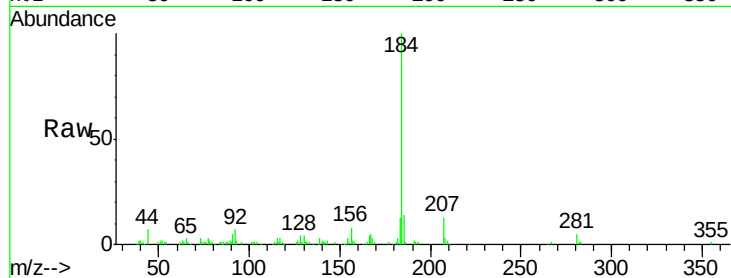
Tgt Ion:184 Resp: 136702

Ion Ratio Lower Upper

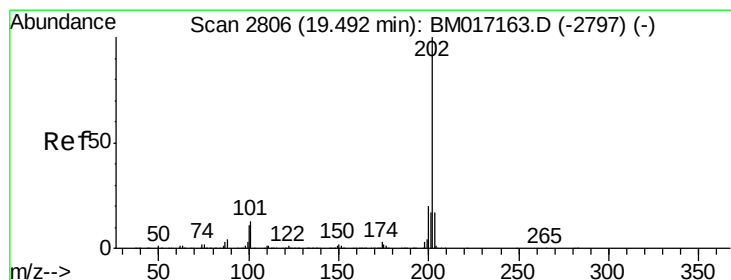
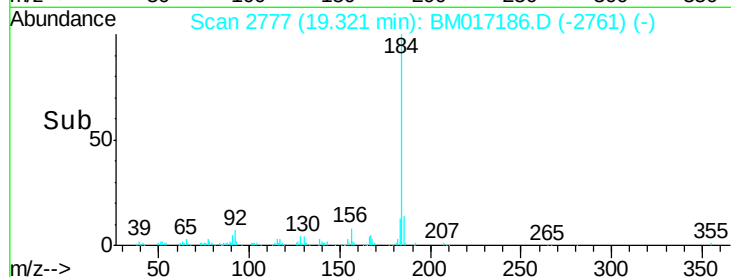
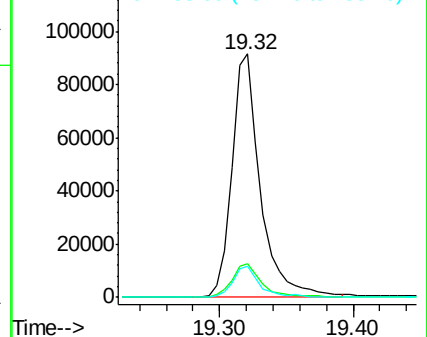
184 100

185 13.8 11.8 17.8

183 12.7 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: 6.845 ng

RT: 19.49 min Scan# 2805

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

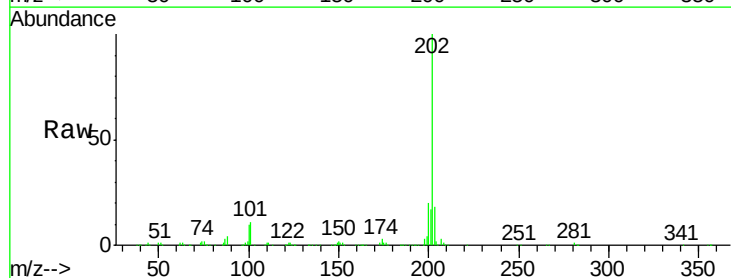
Tgt Ion:202 Resp: 584027

Ion Ratio Lower Upper

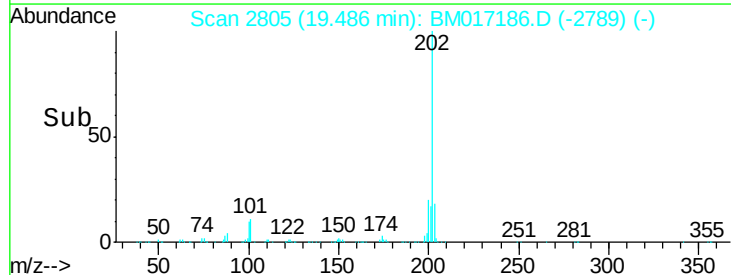
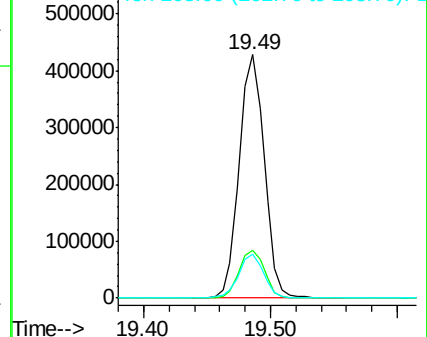
202 100

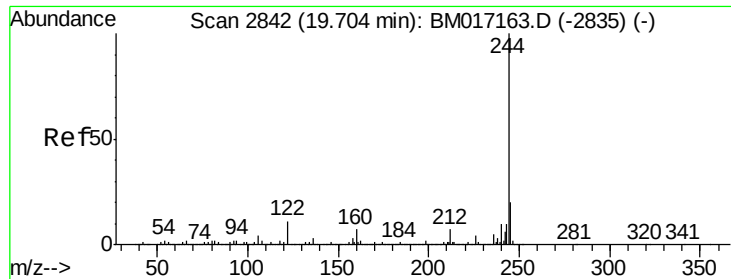
200 19.8 16.3 24.5

203 17.8 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: 70.073 ng

RT: 19.70 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

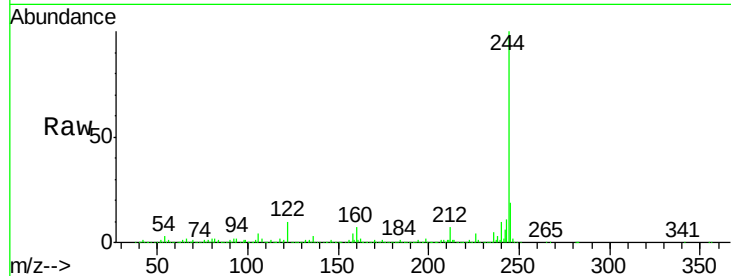
Tgt Ion:244 Resp: 4745613

Ion Ratio Lower Upper

244 100

212 7.3 5.5 8.3

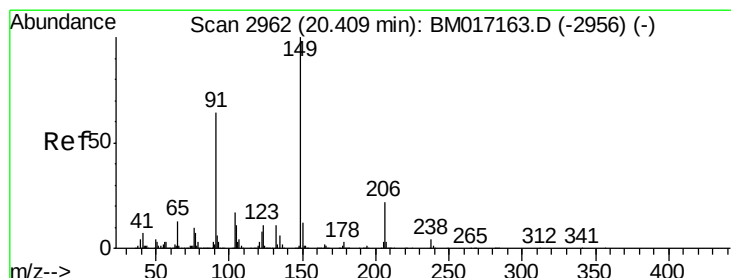
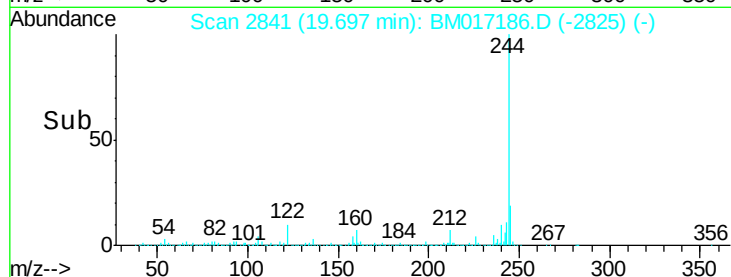
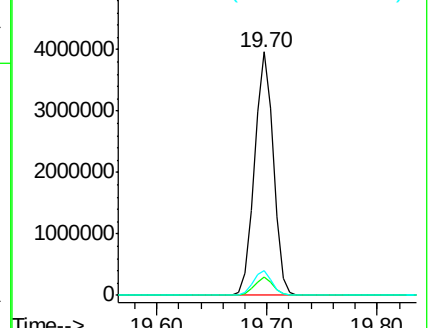
122 10.0 8.4 12.6



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: 12.053 ng

RT: 20.40 min Scan# 2960

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

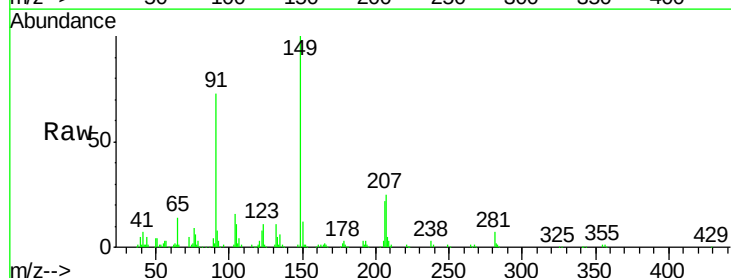
Tgt Ion:149 Resp: 186187

Ion Ratio Lower Upper

149 100

91 72.9 51.3 76.9

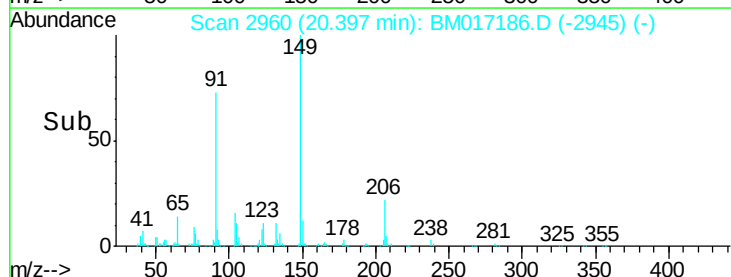
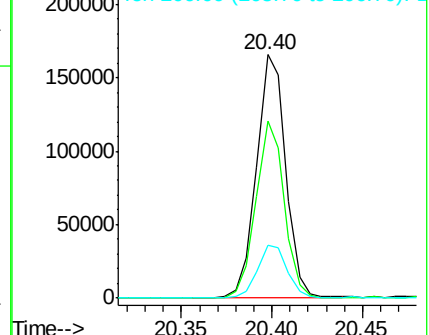
206 21.8 18.0 27.0

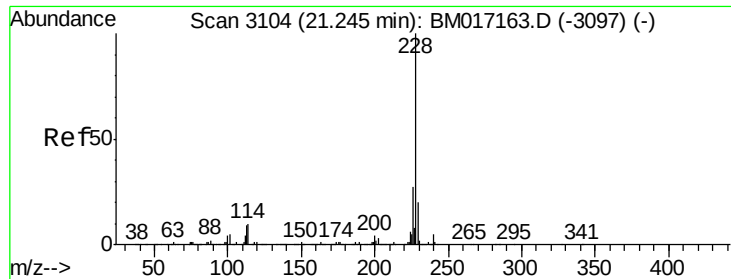


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

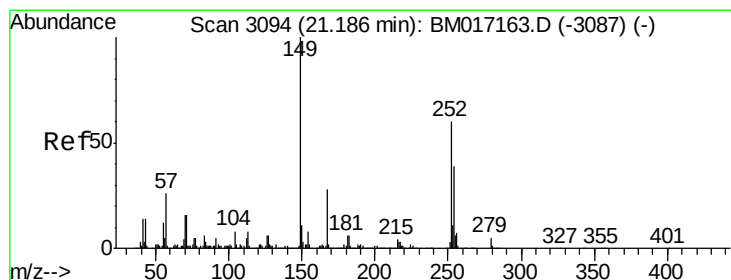
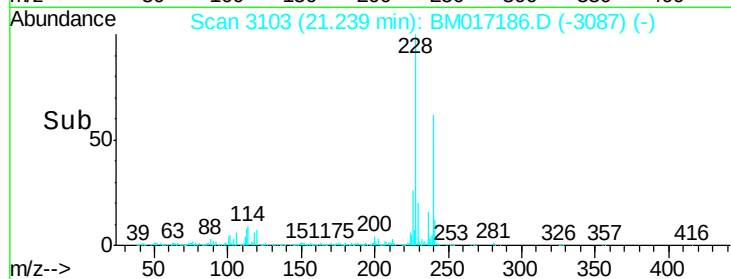
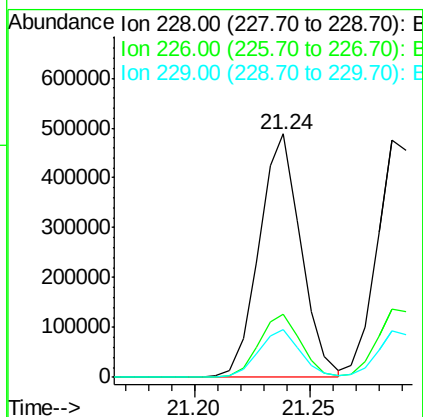
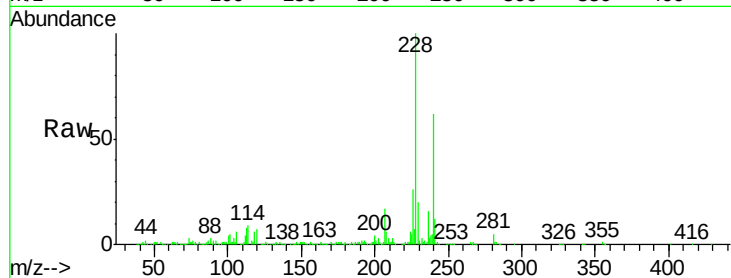




#81
Benzo(a)anthracene
Concen: 7.136 ng
RT: 21.24 min Scan# 3103
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

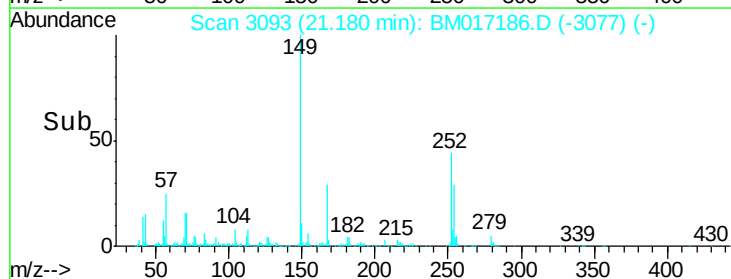
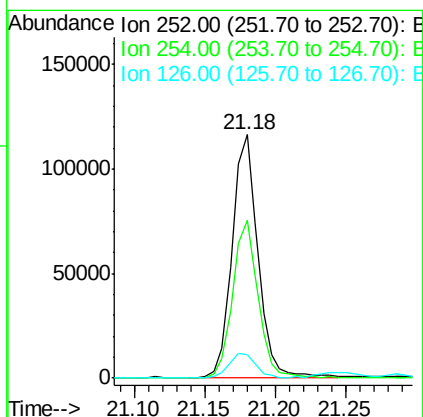
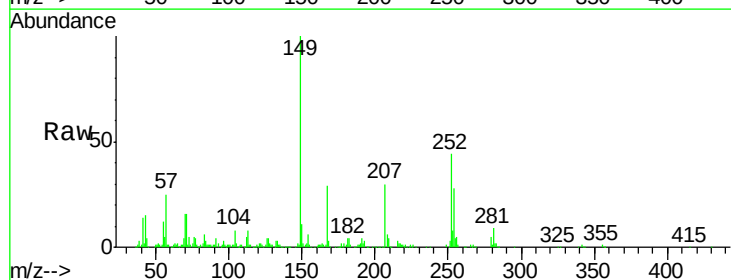
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

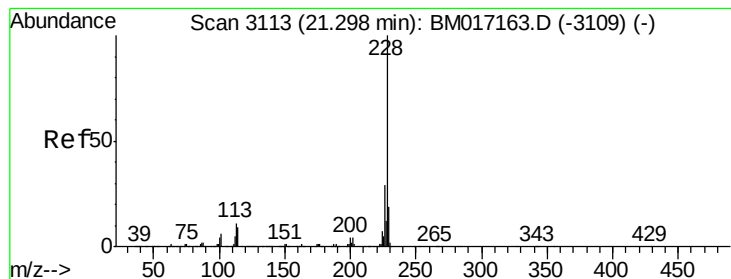
Tgt Ion: 228 Resp: 613006
Ion Ratio Lower Upper
228 100
226 26.1 21.4 32.0
229 19.8 15.9 23.9



#82
3,3'-Dichlorobenzidine
Concen: 4.661 ng
RT: 21.18 min Scan# 3093
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

Tgt Ion: 252 Resp: 149215
Ion Ratio Lower Upper
252 100
254 65.0 52.1 78.1
126 9.5 8.6 12.8





#83

Chrysene

Concen: 7.115 ng

RT: 21.29 min Scan# 3111

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

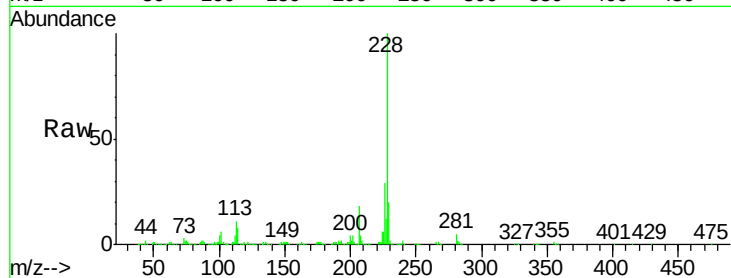
Tgt Ion:228 Resp: 604985

Ion Ratio Lower Upper

228 100

226 28.8 23.3 34.9

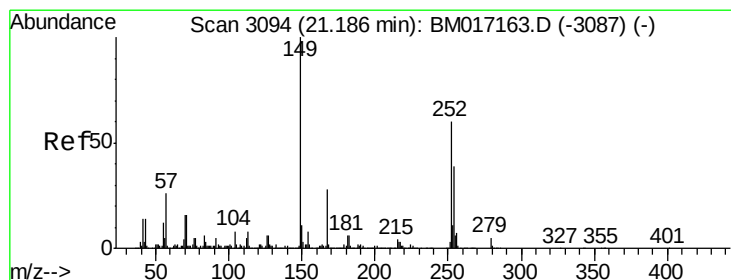
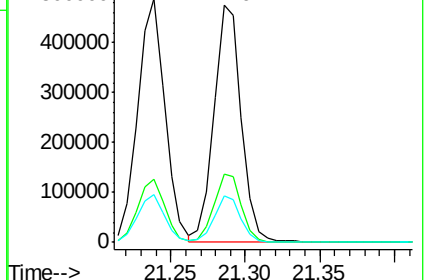
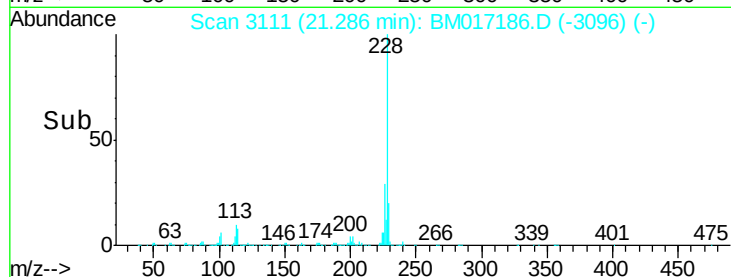
229 19.6 15.6 23.4



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: 10.253 ng

RT: 21.18 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

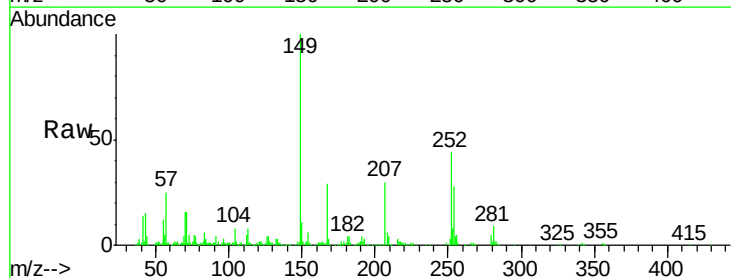
Tgt Ion:149 Resp: 276162

Ion Ratio Lower Upper

149 100

167 28.7 22.2 33.4

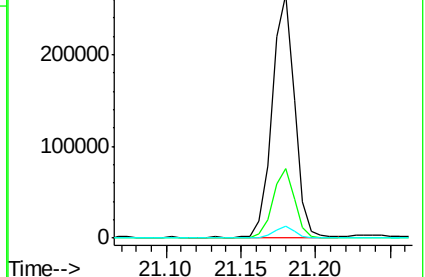
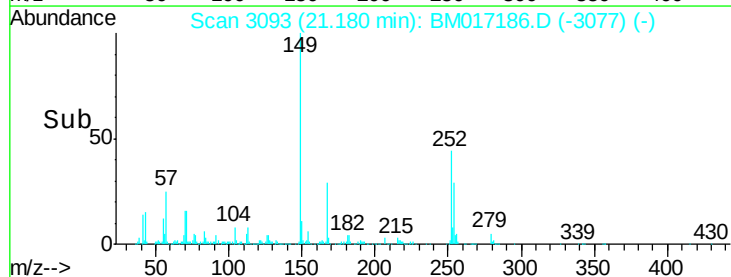
279 4.7 3.6 5.4

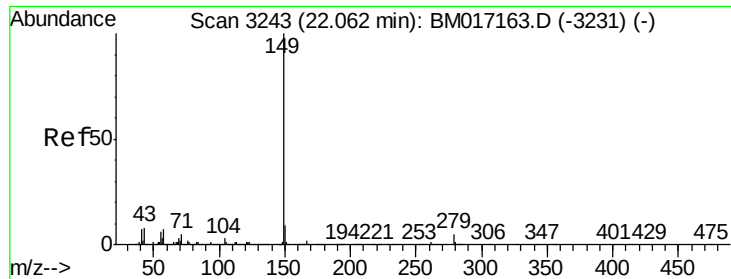


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

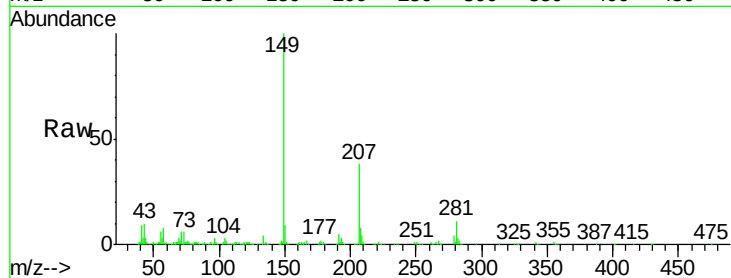




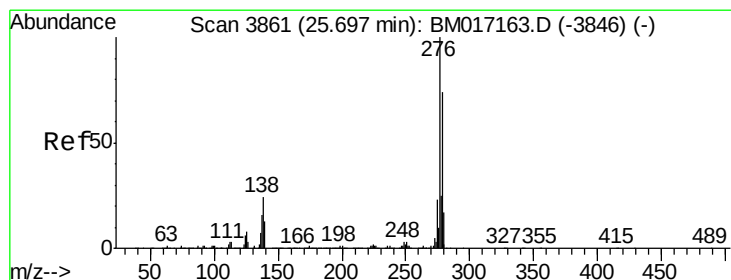
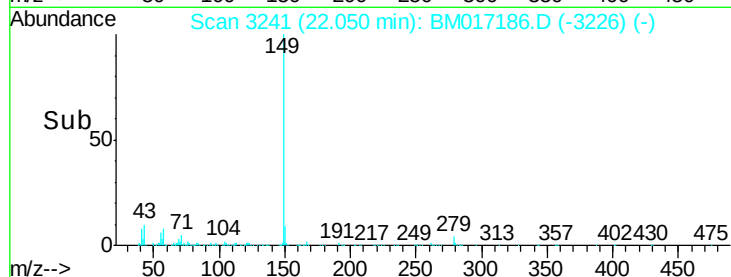
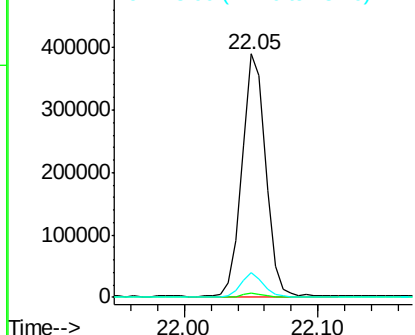
#85
Di-n-octyl phthalate
Concen: 10.532 ng
RT: 22.05 min Scan# 3241
Delta R.T. -0.01 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

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

Tgt Ion:149 Resp: 472219
Ion Ratio Lower Upper
149 100
167 1.7 1.4 2.0
43 9.4 7.2 10.8

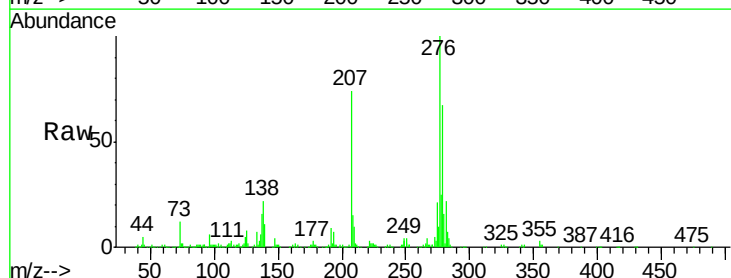


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BM

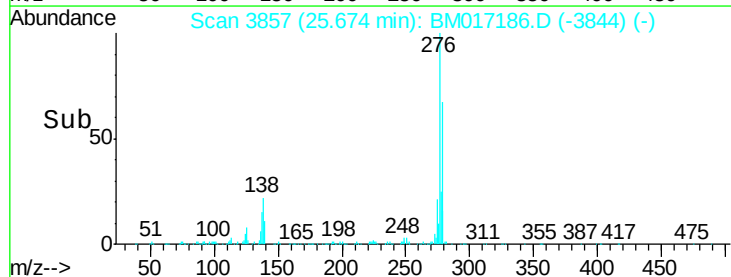
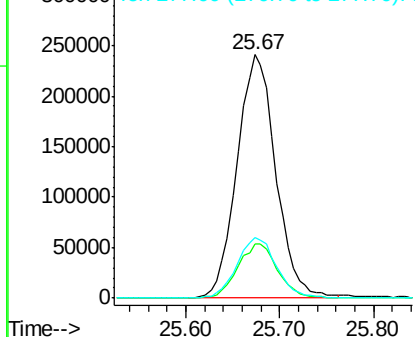


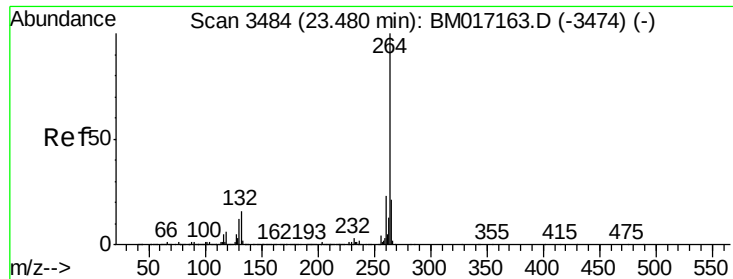
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.246 ng
RT: 25.67 min Scan# 3857
Delta R.T. -0.02 min
Lab File: BM017186.D
Acq: 18 Oct 2018 10:57

Tgt Ion:276 Resp: 689092
Ion Ratio Lower Upper
276 100
138 23.0 19.5 29.3
277 25.3 20.1 30.1



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





#87

Perylene-d12

Concen: 20.000 ng

RT: 23.46 min Scan# 3481

Delta R.T. -0.02 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

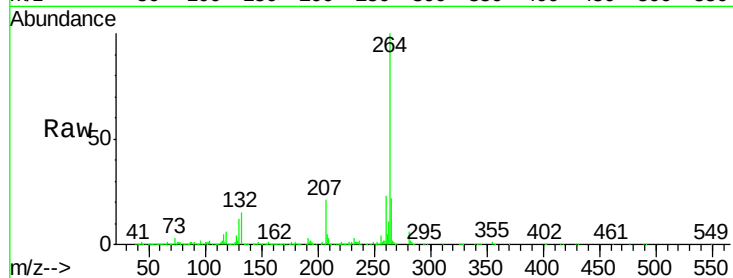
Tgt Ion:264 Resp: 1609688

Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

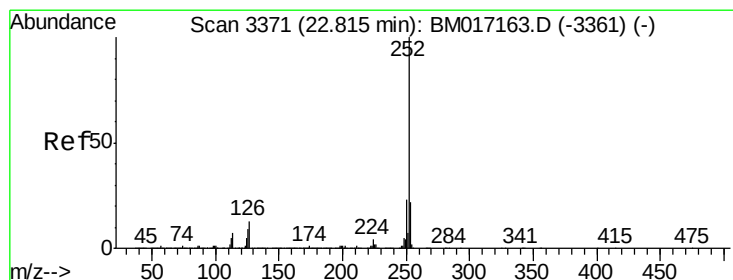
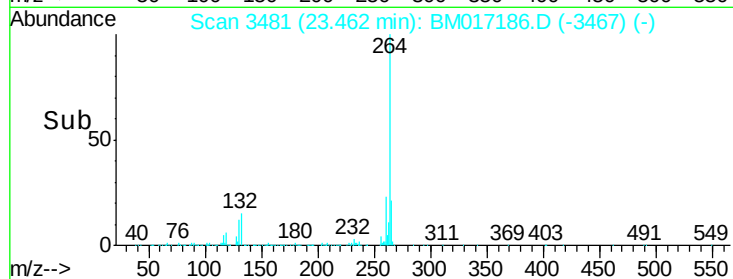
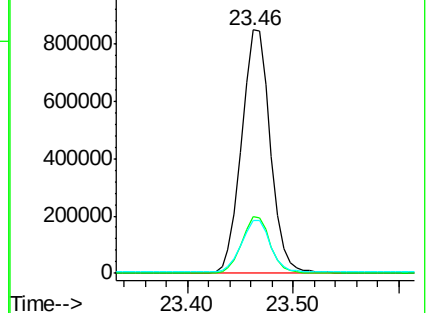
265 21.9 17.8 26.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 7.123 ng

RT: 22.80 min Scan# 3369

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

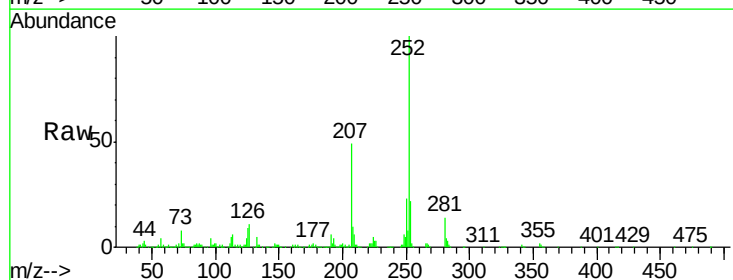
Tgt Ion:252 Resp: 626841

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

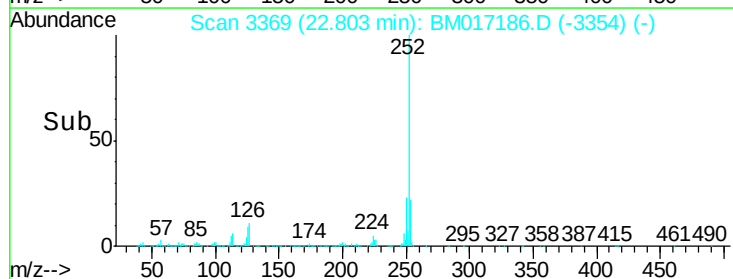
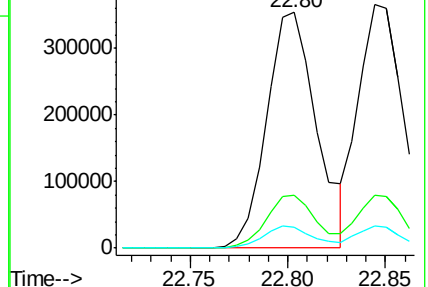
125 8.8 7.5 11.3

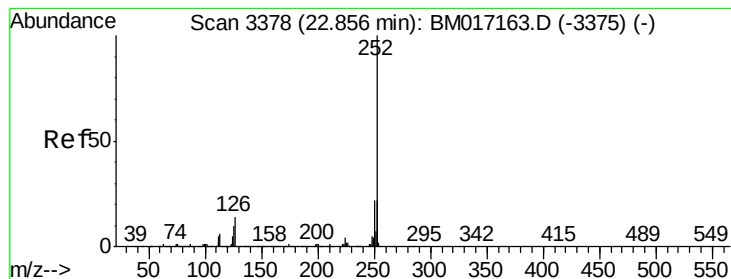


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 6.592 ng

RT: 22.84 min Scan# 3376

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

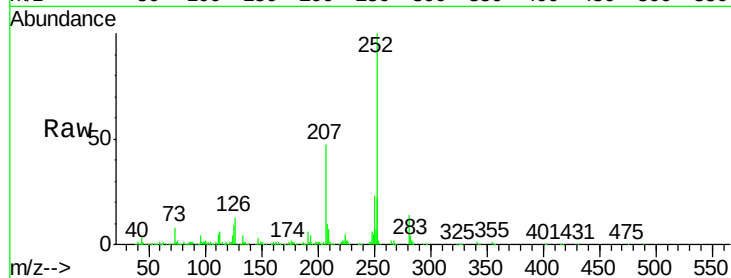
Tgt Ion:252 Resp: 582112

Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

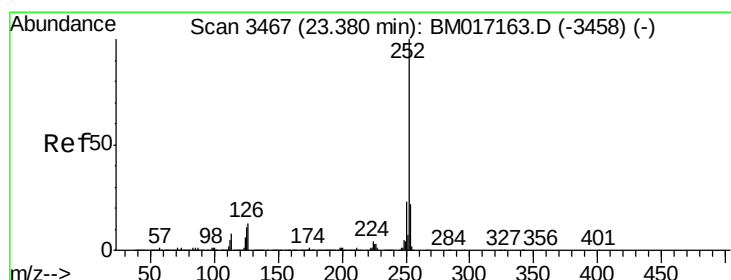
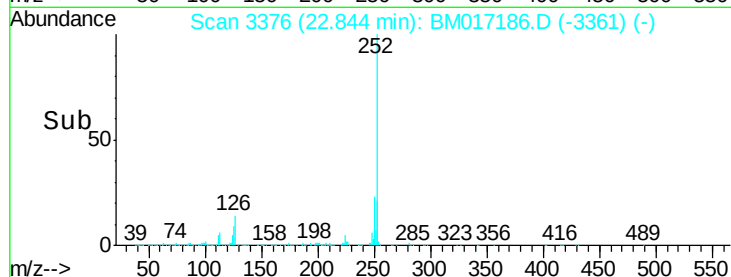
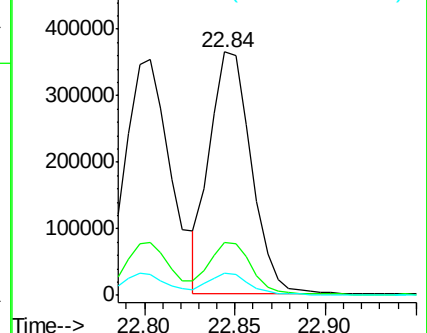
125 9.1 8.2 12.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 6.974 ng

RT: 23.37 min Scan# 3465

Delta R.T. -0.01 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

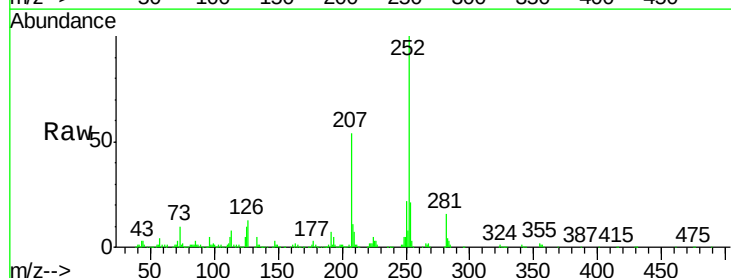
Tgt Ion:252 Resp: 582744

Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.0

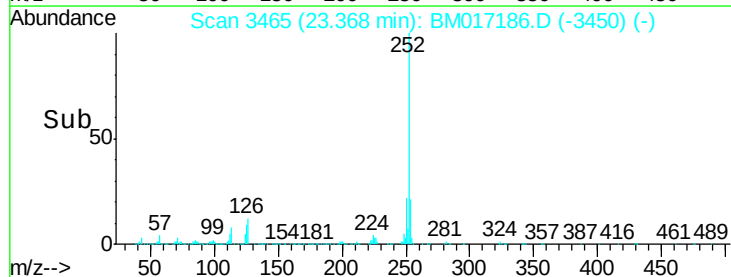
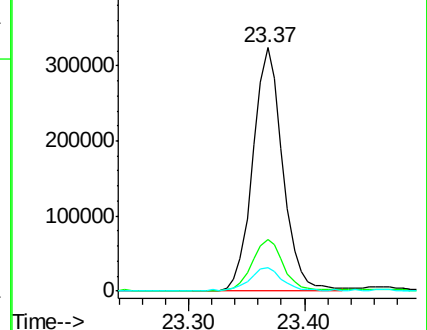
125 9.6 8.6 13.0

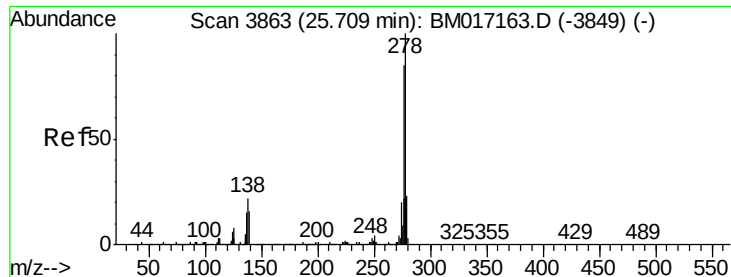


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 6.992 ng

RT: 25.69 min Scan# 3859

Delta R.T. -0.02 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

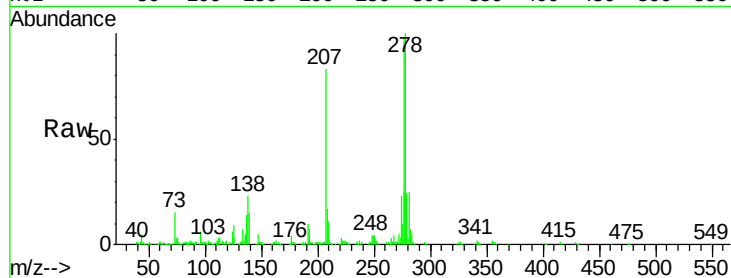
Tgt Ion:278 Resp: 580129

Ion Ratio Lower Upper

278 100

139 15.1 12.7 19.1

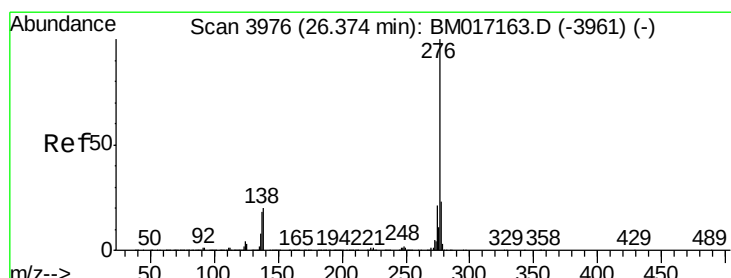
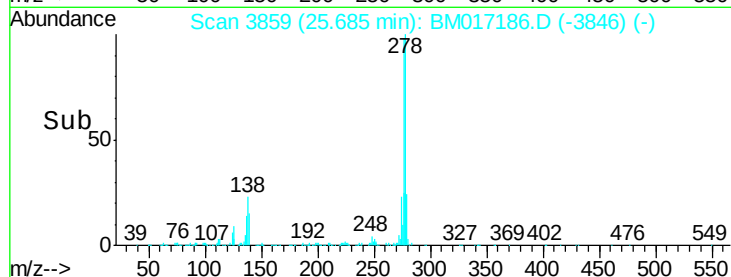
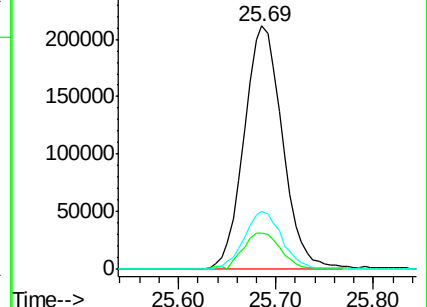
279 24.0 18.7 28.1



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: 7.058 ng

RT: 26.35 min Scan# 3972

Delta R.T. -0.02 min

Lab File: BM017186.D

Acq: 18 Oct 2018 10:57

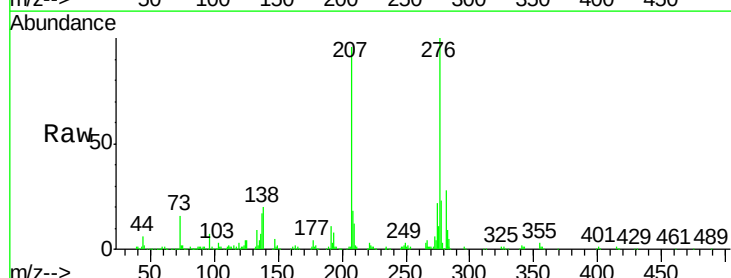
Tgt Ion:276 Resp: 580404

Ion Ratio Lower Upper

276 100

277 22.8 18.6 28.0

138 19.7 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

