

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092019\
 Data File : BM022733.D
 Acq On : 20 Sep 2019 19:43
 Operator : HP/JU
 Sample : K3591-01
 Misc : LOD-MDL-S-5PPM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Quant Time: Sep 21 02:12:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM092019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	186359	20.00	ng	0.00
21) Naphthalene-d8	10.62	136	744549	20.00	ng	0.00
39) Acenaphthene-d10	14.46	164	421848	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	823053	20.00	ng	0.00
76) Chrysene-d12	21.37	240	772049	20.00	ng	-0.01
87) Perylene-d12	23.64	264	804622	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1400644	119.20	ng	0.00
7) Phenol-d6	6.99	99	1781923	118.07	ng	0.00
23) Nitrobenzene-d5	8.97	82	1049947	78.28	ng	0.00
42) 2,4,6-Tribromophenol	15.94	330	631165	119.85	ng	0.00
45) 2-Fluorobiphenyl	13.08	172	2420336	79.01	ng	0.00
79) Terphenyl-d14	19.82	244	3227908	80.96	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.32	88	24884	5.263	ng	# 100
3) Pyridine	3.75	79	52185	4.187	ng	96
4) n-Nitrosodimethylamine	3.64	42	18168	4.004	ng	# 86
6) Aniline	7.15	93	87296	4.824	ng	99
8) 2-Chlorophenol	7.39	128	60654	5.066	ng	97
9) Benzaldehyde	6.96	77	53589	6.236	ng	99
10) Phenol	7.01	94	71955	5.064	ng	89
11) bis(2-Chloroethyl)ether	7.25	93	54104	4.847	ng	99
12) 1,3-Dichlorobenzene	7.72	146	68727	4.803	ng	99
13) 1,4-Dichlorobenzene	7.86	146	70060	4.836	ng	99
14) 1,2-Dichlorobenzene	8.17	146	66281	4.799	ng	99
15) Benzyl Alcohol	8.06	79	43737	4.631	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.36	45	78525	4.842	ng	99
17) 2-Methylphenol	8.26	107	42626	4.532	ng	99
18) Hexachloroethane	8.90	117	24515	4.614	ng	96
19) n-Nitroso-di-n-propylamine	8.63	70	38967	4.624	ng	98
20) 3+4-Methylphenols	8.59	107	55690	4.446	ng	99
22) Acetophenone	8.65	105	86336	4.698	ng	# 98
24) Nitrobenzene	9.02	77	67594	5.267	ng	98
25) Isophorone	9.55	82	99308	4.503	ng	99
26) 2-Nitrophenol	9.73	139	20327	3.669	ng	98
27) 2,4-Dimethylphenol	9.79	122	47497	5.121	ng	98
28) bis(2-Chloroethoxy)methane	10.03	93	70673	4.631	ng	99
29) 2,4-Dichlorophenol	10.26	162	43331	4.132	ng	100
30) 1,2,4-Trichlorobenzene	10.48	180	60674	4.703	ng	99
31) Naphthalene	10.66	128	183563	4.990	ng	100
32) Benzoic acid	9.84	122	10928	5.496	ng	93
33) 4-Chloroaniline	10.77	127	72555	4.542	ng	98
34) Hexachlorobutadiene	10.96	225	34784	4.523	ng	99
35) Caprolactam	11.55	113	9587	3.084	ng	96
36) 4-Chloro-3-methylphenol	11.89	107	42711	4.175	ng	99
37) 2-Methylnaphthalene	12.28	142	125779	4.912	ng	99
38) 1-Methylnaphthalene	12.50	142	116268	4.783	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.65	216	62851	4.397	ng	99

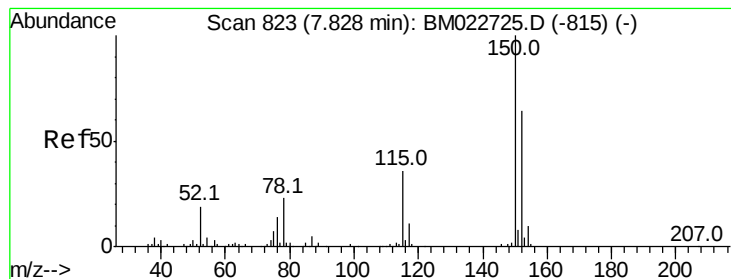
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092019\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.64	237	33593	4.307	ng	99
43) 2,4,6-Trichlorophenol	12.89	196	31189	3.781	ng	97
44) 2,4,5-Trichlorophenol	12.96	196	35781	4.162	ng	98
46) 1,1'-Biphenyl	13.29	154	160887	4.608	ng	99
47) 2-Chloronaphthalene	13.33	162	123429	4.743	ng	100
48) 2-Nitroaniline	13.53	65	23346	3.445	ng	95
49) Acenaphthylene	14.18	152	172767	4.483	ng	99
50) Dimethylphthalate	13.91	163	138327	4.537	ng	100
51) 2,6-Dinitrotoluene	14.02	165	24661	3.867	ng	90
52) Acenaphthene	14.52	154	118107	4.685	ng	99
53) 3-Nitroaniline	14.35	138	24434	3.328	ng	# 95
54) 2,4-Dinitrophenol	14.56	184	7347	8.889	ng	98
55) Dibenzofuran	14.86	168	185187	5.032	ng	99
56) 4-Nitrophenol	14.65	139	17622	3.123	ng	95
57) 2,4-Dinitrotoluene	14.81	165	27214	3.258	ng	90
58) Fluorene	15.50	166	140902	4.711	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.08	232	29143	3.887	ng	100
60) Diethylphthalate	15.27	149	126668	4.273	ng	100
61) 4-Chlorophenyl-phenylether	15.50	204	71300	4.640	ng	95
62) 4-Nitroaniline	15.51	138	24741	3.215	ng	93
63) Azobenzene	15.79	77	112814	4.214	ng	99
65) 4,6-Dinitro-2-methylphenol	15.57	198	12032	9.168	ng	96
66) n-Nitrosodiphenylamine	15.71	169	115054	4.576	ng	100
67) 4-Bromophenyl-phenylether	16.39	248	39768	4.344	ng	98
68) Hexachlorobenzene	16.51	284	48083	4.504	ng	99
69) Atrazine	16.66	200	30800	3.768	ng	97
70) Pentachlorophenol	16.84	266	18623	3.271	ng	95
71) Phenanthrene	17.23	178	224597	4.836	ng	100
72) Anthracene	17.33	178	202652	4.502	ng	99
73) Carbazole	17.59	167	180536	4.310	ng	99
74) Di-n-butylphthalate	18.16	149	161450	3.400	ng	100
75) Fluoranthene	19.25	202	228162	4.354	ng	98
77) Benzidine	19.43	184	71287	3.366	ng	99
78) Pyrene	19.61	202	243105	4.805	ng	100
80) Butylbenzylphthalate	20.51	149	59605	3.100	ng	93
81) Benzo(a)anthracene	21.36	228	228541	4.567	ng	98
82) 3,3'-Dichlorobenzidine	21.29	252	68605	3.866	ng	99
83) Chrysene	21.40	228	234827	4.841	ng	99
84) Bis(2-ethylhexyl)phthalate	21.29	149	86053	3.020	ng	97
85) Di-n-octyl phthalate	22.18	149	126197	2.779	ng	# 95
86) Indeno(1,2,3-cd)pyrene	25.94	276	246780	4.262	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	226829	4.656	ng	98
89) Benzo(k)fluoranthene	23.00	252	213437	4.415	ng	98
90) Benzo(a)pyrene	23.54	252	201378	4.486	ng	99
91) Dibenzo(a,h)anthracene	25.96	278	209674	4.465	ng	98
92) Benzo(g,h,i)perylene	26.65	276	203149	4.555	ng	99

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

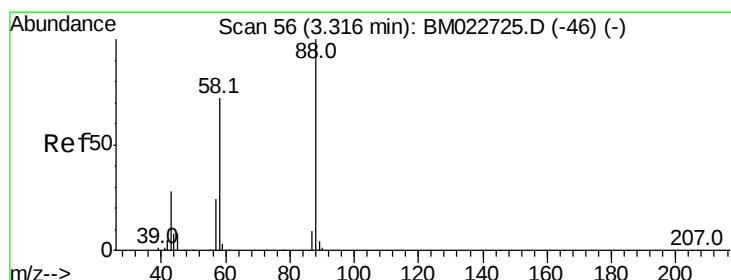
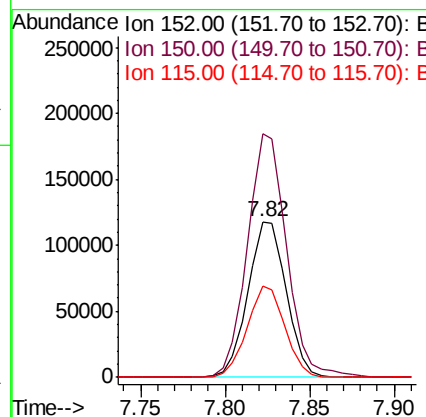
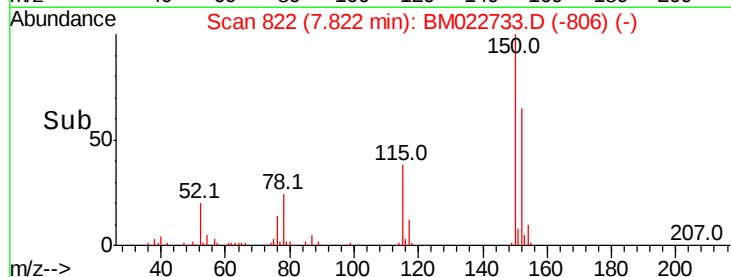
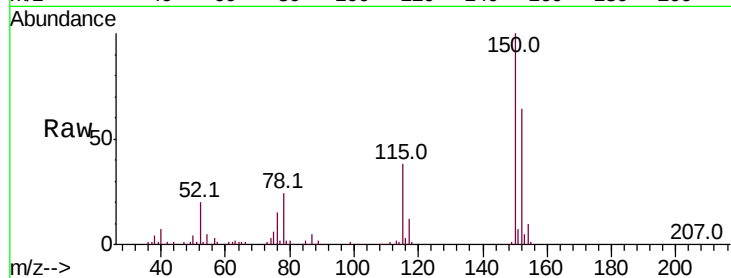


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.82 min Scan# 822
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

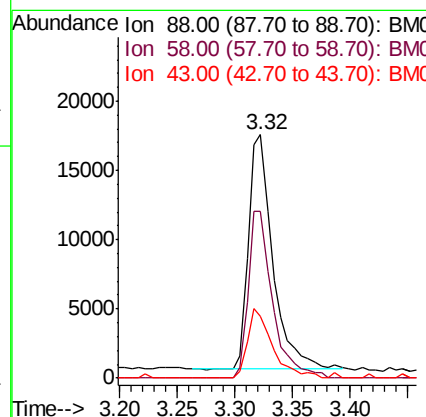
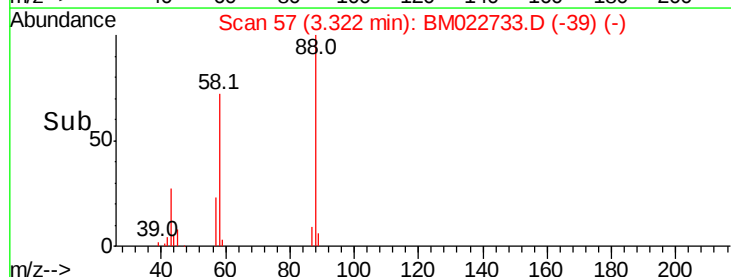
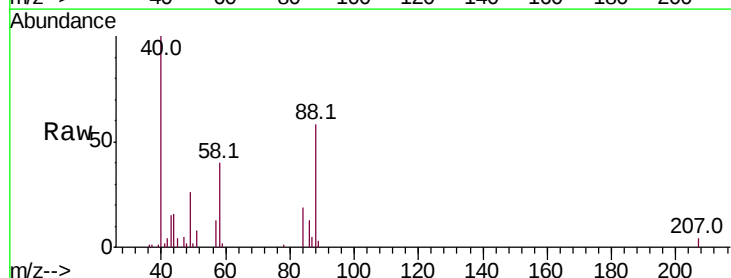
Tot Ion:152 Resp: 186359
Ion Ratio Lower Upper
152 100
150 156.4 124.5 186.7
115 58.7 45.0 67.4

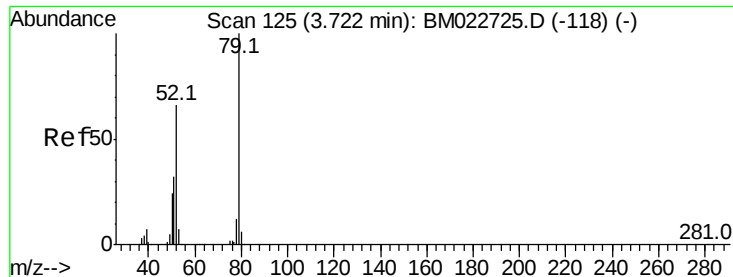


#2

1,4-Dioxane
Concen: 5.263 ng
RT: 3.32 min Scan# 57
Delta R.T. 0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion: 88 Resp: 24884
Ion Ratio Lower Upper
88 100
58 70.8 0.0 0.0#
43 30.1 0.0 0.0#





#3

Pvridine

Concen: 4.187 ng

RT: 3.75 min Scan# 129

Delta R.T. 0.02 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

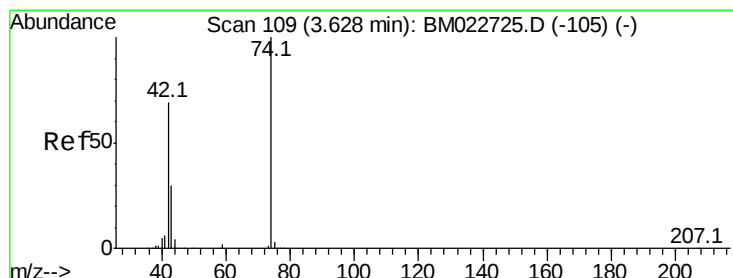
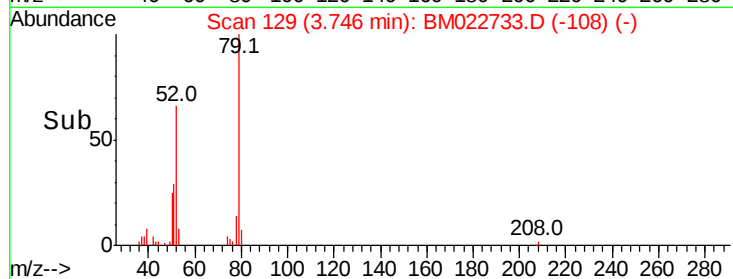
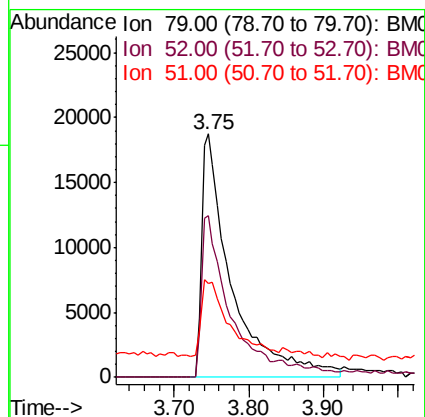
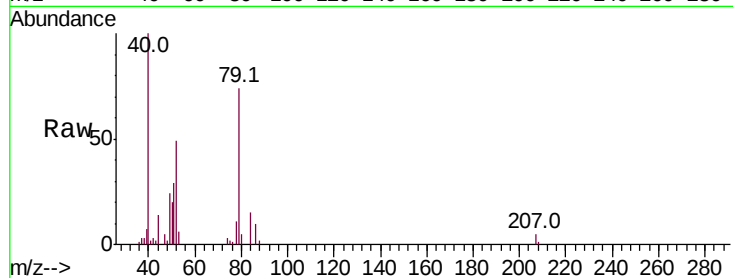
Tot Ion: 79 Resp: 52185

Ion Ratio Lower Upper

79 100

52 66.5 52.4 78.6

51 38.7 26.2 39.4



#4

n-Nitrosodimethylamine

Concen: 4.004 ng

RT: 3.64 min Scan# 111

Delta R.T. 0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

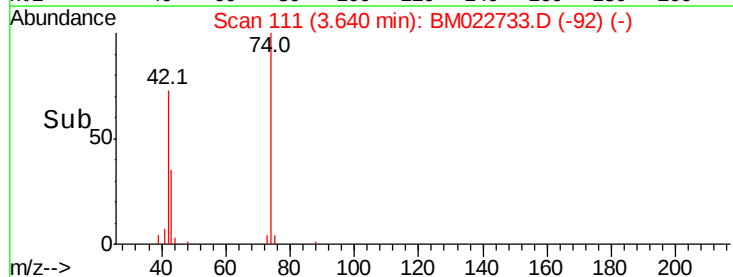
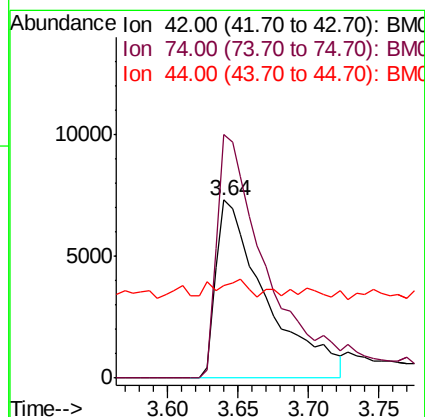
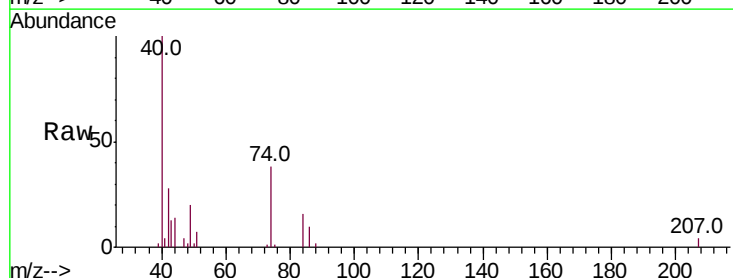
Tgt Ion: 42 Resp: 18168

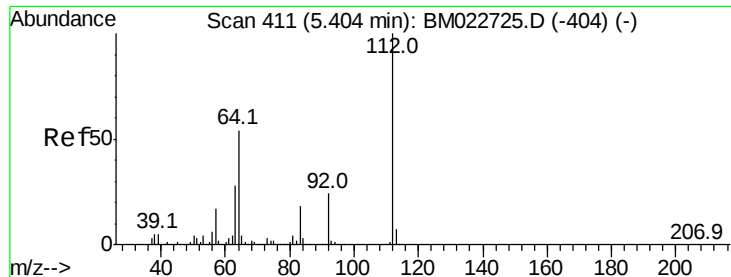
Ion Ratio Lower Upper

42 100

74 136.7 116.6 175.0

44 51.9 8.2 12.4#





#5

2-Fluorophenol

Concen: 119.199 ng

RT: 5.40 min Scan# 411

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

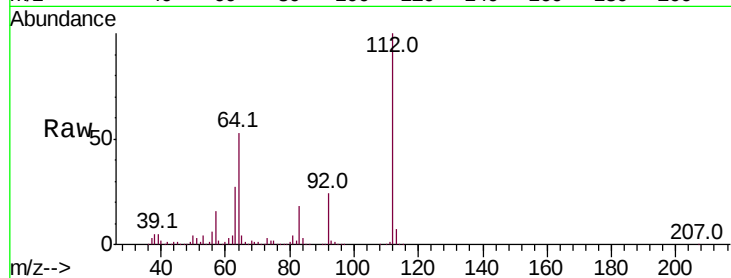
Tot Ion:112 Resp: 1400644

Ion Ratio Lower Upper

112 100

64 53.3 43.4 65.2

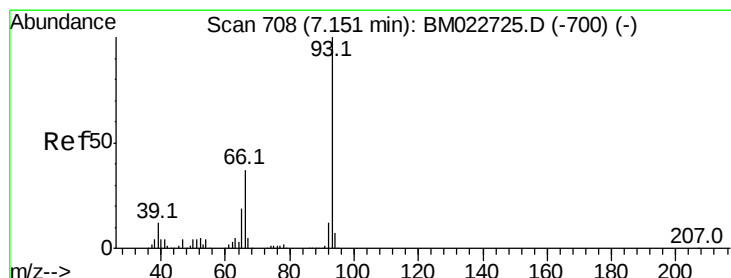
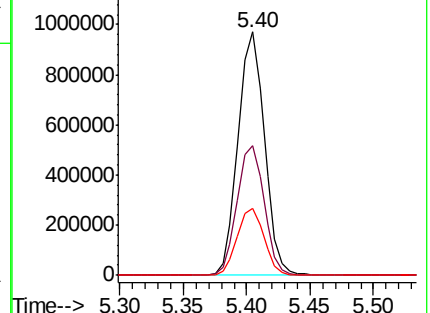
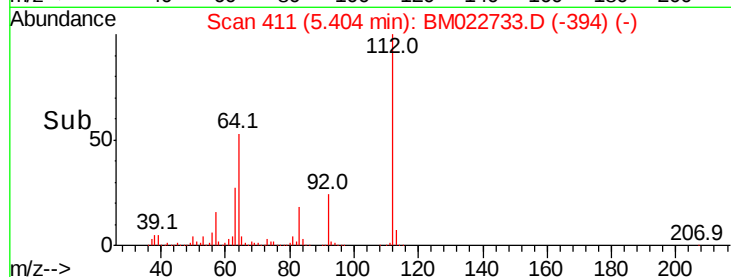
63 27.5 22.1 33.1



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#6

Aniline

Concen: 4.824 ng

RT: 7.15 min Scan# 708

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

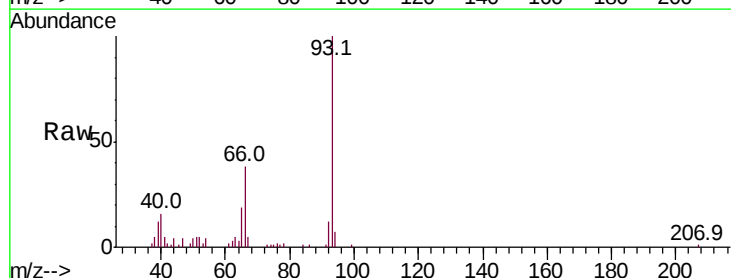
Tgt Ion: 93 Resp: 87296

Ion Ratio Lower Upper

93 100

66 37.6 29.3 43.9

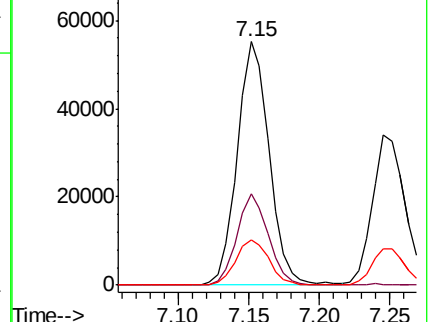
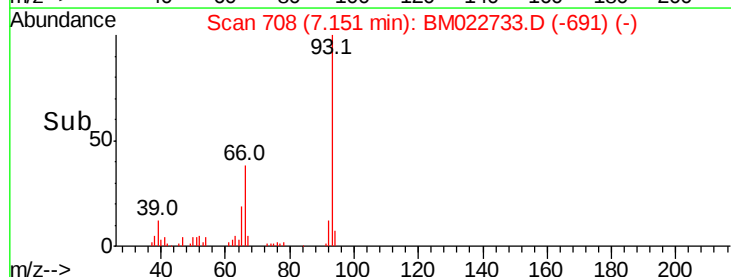
65 18.7 15.3 22.9

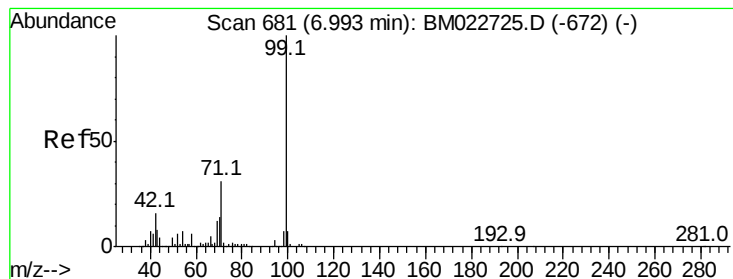


Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#7

Phenol-d6

Concen: 118.069 ng

RT: 6.99 min Scan# 680

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

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ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

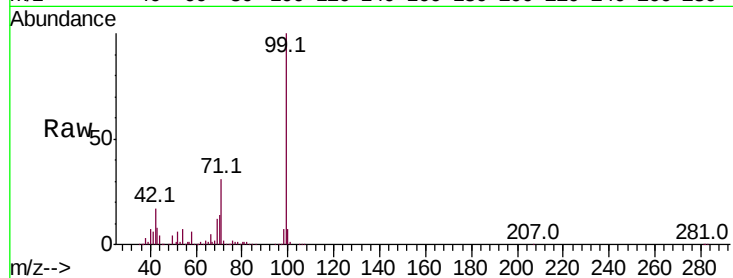
Tot Ion: 99 Resp: 1781923

Ion Ratio Lower Upper

99 100

42 16.6 13.0 19.4

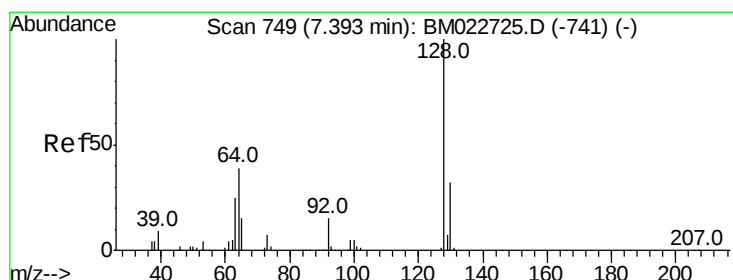
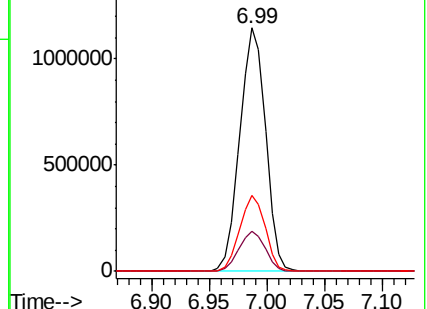
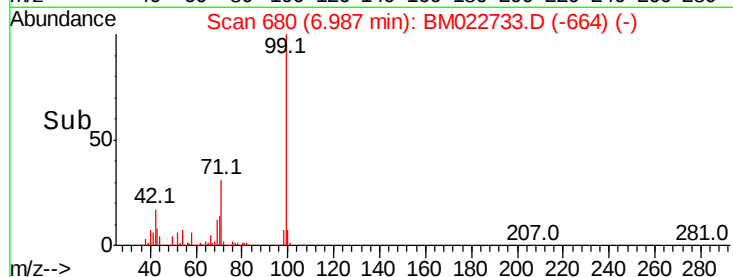
71 31.2 24.7 37.1



Abundance Ion 99.00 (98.70 to 99.70): BM022725.D (-672) (-)

Ion 42.00 (41.70 to 42.70): BM022725.D (-672) (-)

Ion 71.00 (70.70 to 71.70): BM022725.D (-672) (-)



#8

2-Chlorophenol

Concen: 5.066 ng

RT: 7.39 min Scan# 748

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

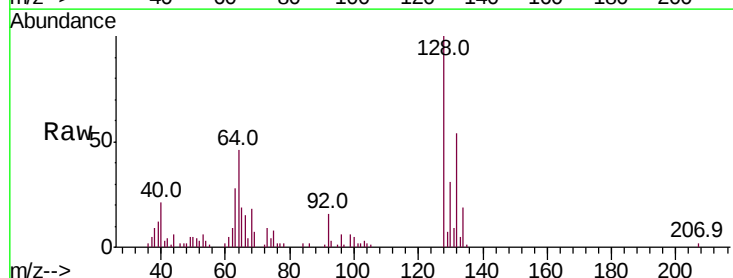
Tgt Ion:128 Resp: 60654

Ion Ratio Lower Upper

128 100

130 31.3 12.1 52.1

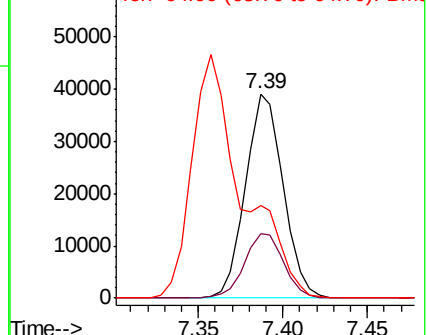
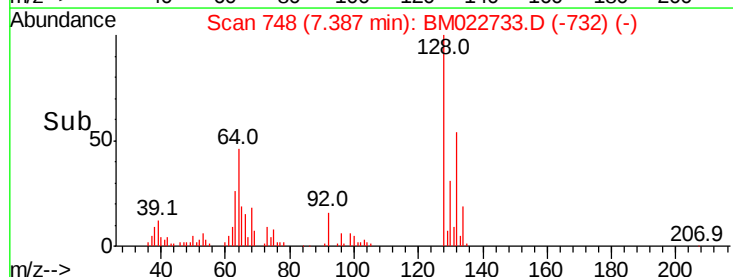
64 45.6 22.9 62.9

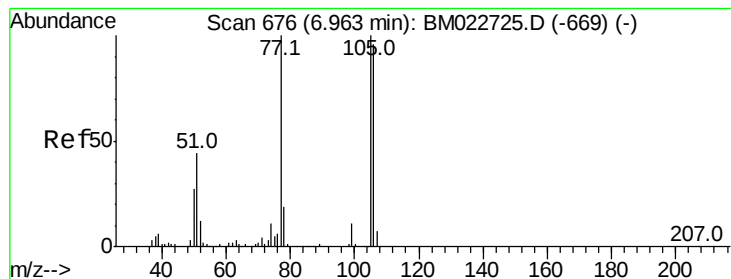


Abundance Ion 128.00 (127.70 to 128.70): BM022725.D (-741) (-)

Ion 130.00 (129.70 to 130.70): BM022725.D (-741) (-)

Ion 64.00 (63.70 to 64.70): BM022725.D (-741) (-)





#9

Benzaldehyde

Concen: 6.236 ng

RT: 6.96 min Scan# 676

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

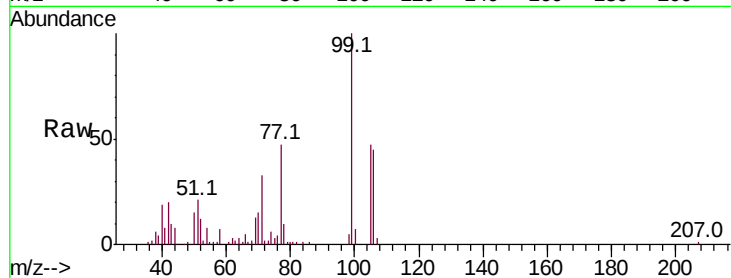
Tot Ion: 77 Resp: 53589

Ion Ratio Lower Upper

77 100

105 99.9 79.6 119.6

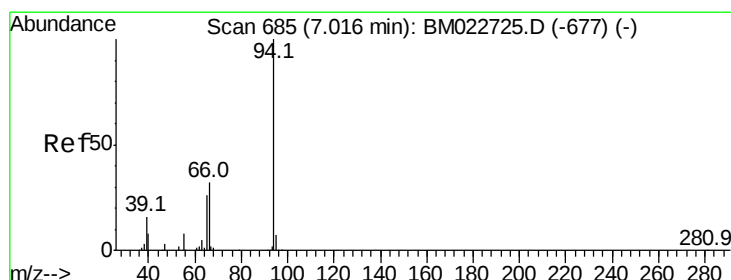
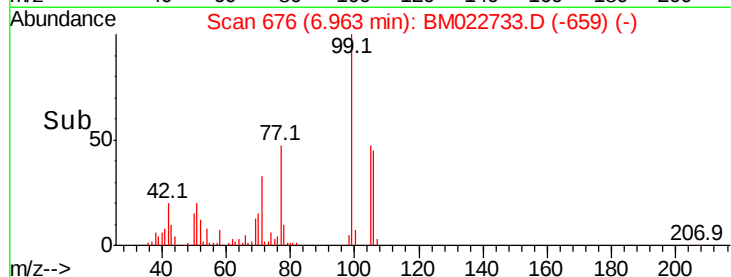
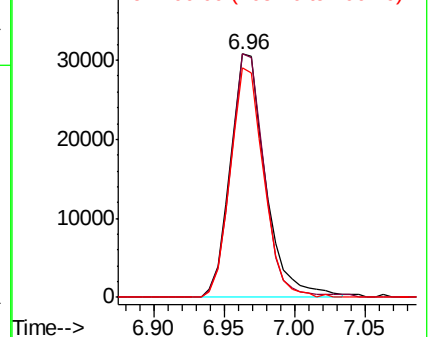
106 94.4 76.3 116.3



Abundance Ion 77.00 (76.70 to 77.70): BM022725.D (-669) (-)

Ion 105.00 (104.70 to 105.70): BM022725.D (-669) (-)

Ion 106.00 (105.70 to 106.70): BM022725.D (-669) (-)



#10

Phenol

Concen: 5.064 ng

RT: 7.01 min Scan# 684

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

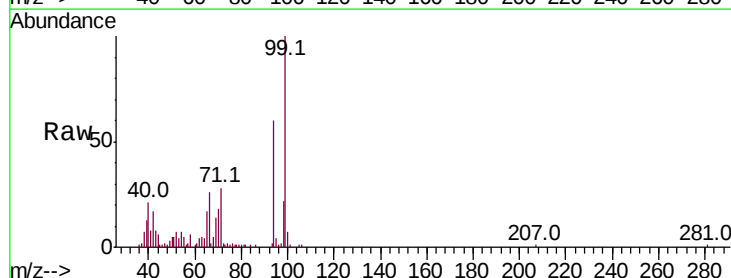
Tgt Ion: 94 Resp: 71955

Ion Ratio Lower Upper

94 100

65 28.7 6.7 46.7

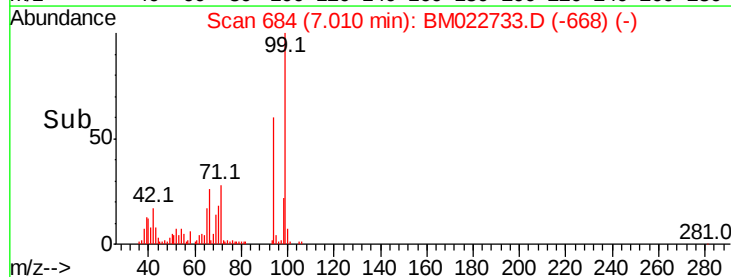
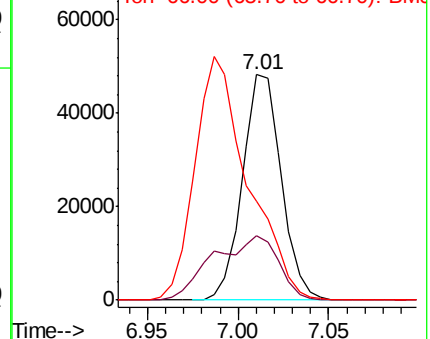
66 43.8 13.8 53.8

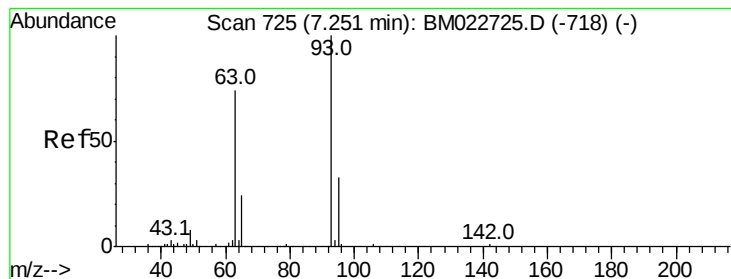


Abundance Ion 94.00 (93.70 to 94.70): BM022725.D (-677) (-)

Ion 65.00 (64.70 to 65.70): BM022725.D (-677) (-)

Ion 66.00 (65.70 to 66.70): BM022725.D (-677) (-)





#11

bis(2-Chloroethyl)ether

Concen: 4.847 ng

RT: 7.25 min Scan# 724

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

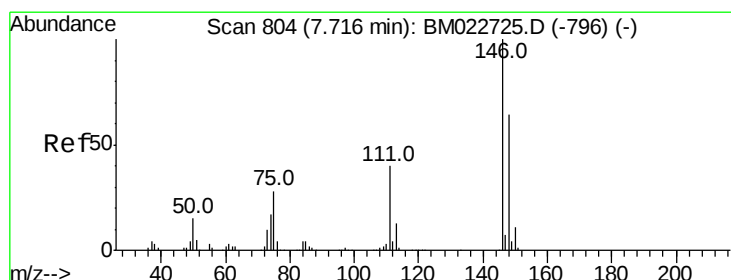
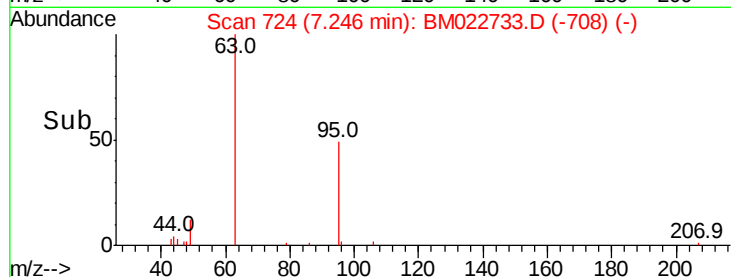
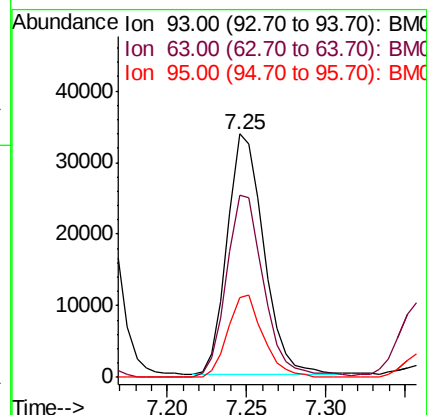
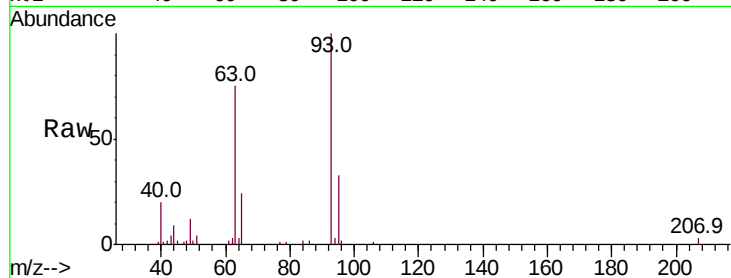
Tot Ion: 93 Resp: 54104

Ion Ratio Lower Upper

93 100

63 75.0 53.8 93.8

95 32.8 12.7 52.7



#12

1,3-Dichlorobenzene

Concen: 4.803 ng

RT: 7.72 min Scan# 804

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

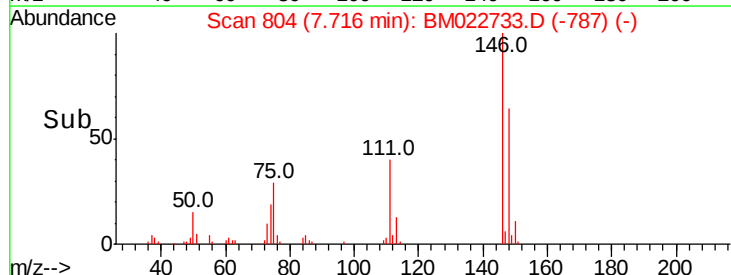
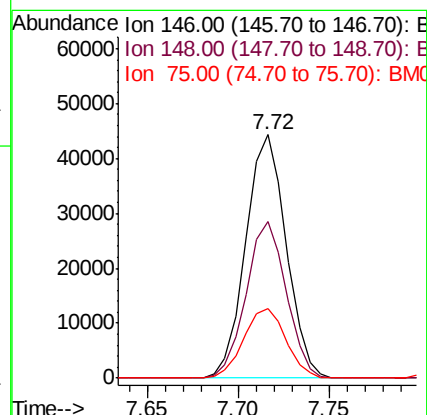
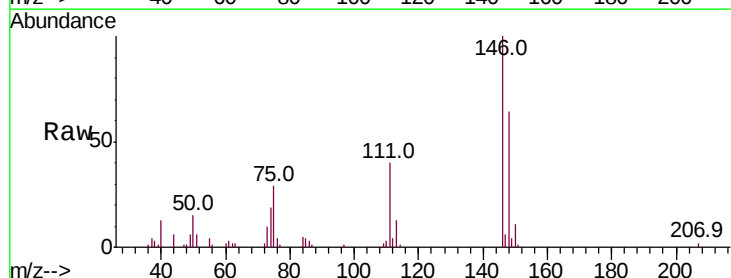
Tgt Ion: 146 Resp: 68727

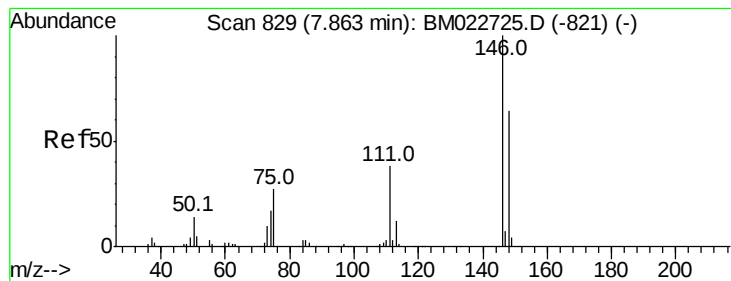
Ion Ratio Lower Upper

146 100

148 64.5 51.3 76.9

75 28.8 22.5 33.7





#13

1,4-Dichlorobenzene

Concen: 4.836 ng

RT: 7.86 min Scan# 828

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

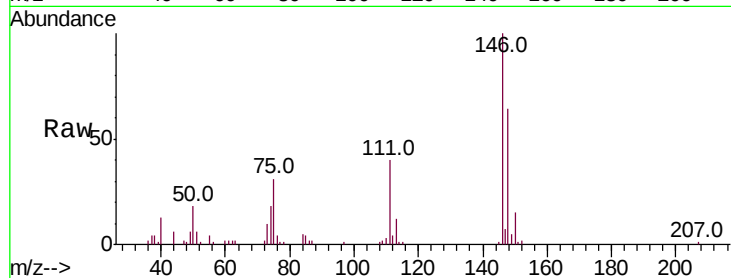
Tot Ion:146 Resp: 70060

Ion Ratio Lower Upper

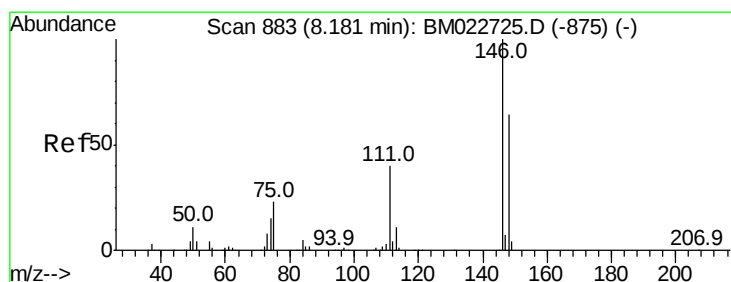
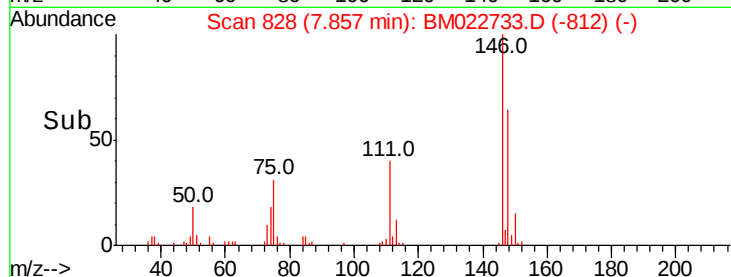
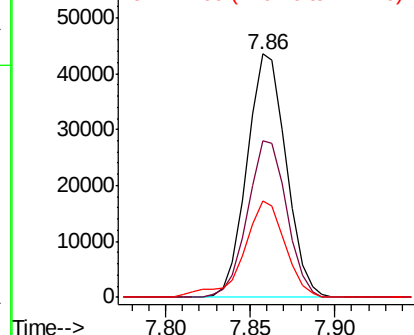
146 100

148 64.4 51.4 77.0

111 39.7 30.9 46.3



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



#14

1,2-Dichlorobenzene

Concen: 4.799 ng

RT: 8.17 min Scan# 882

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

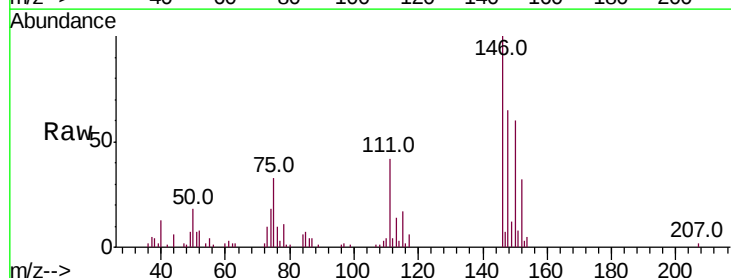
Tgt Ion:146 Resp: 66281

Ion Ratio Lower Upper

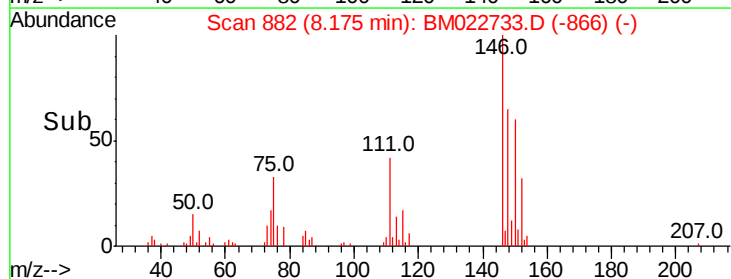
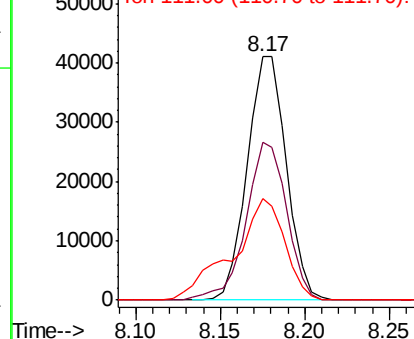
146 100

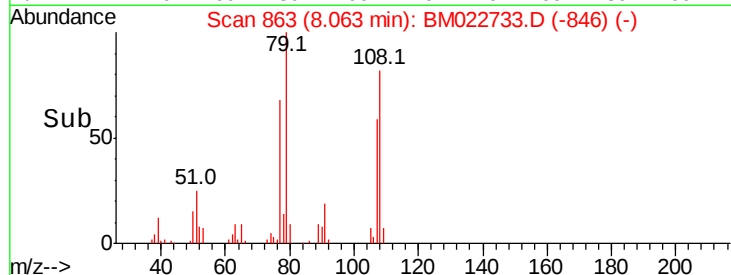
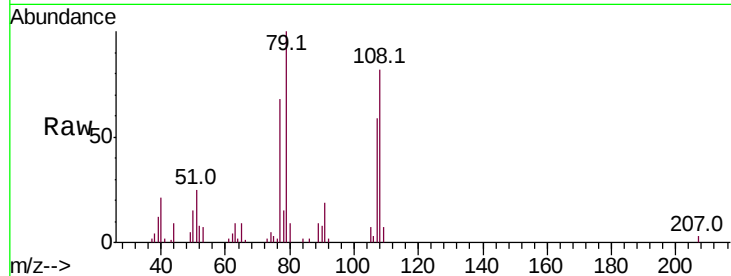
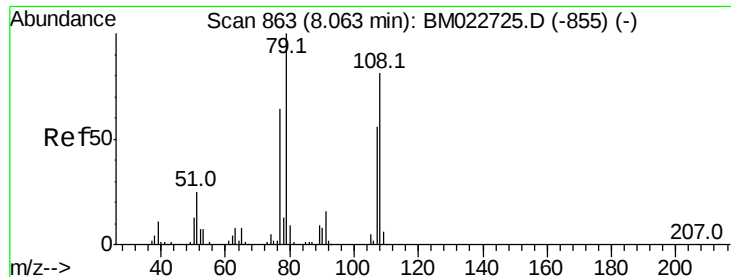
148 64.8 51.3 76.9

111 41.6 32.3 48.5



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

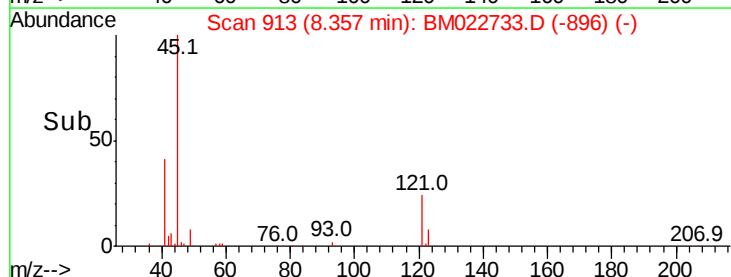
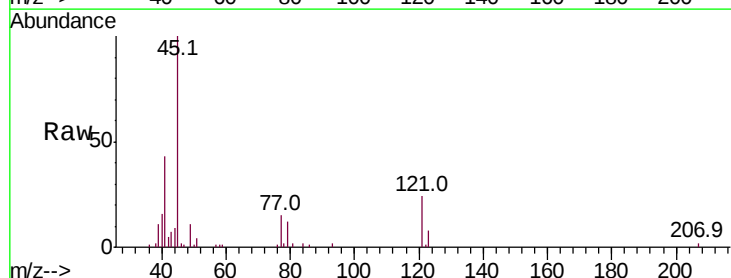
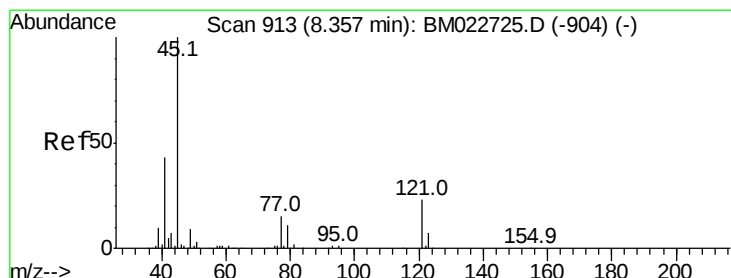
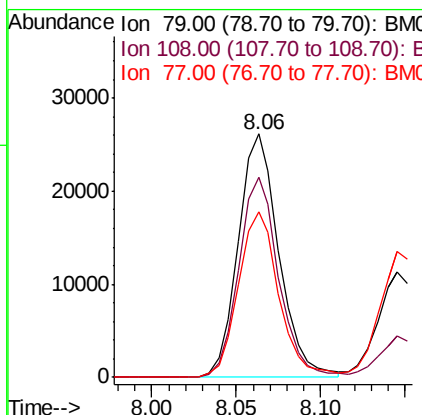




#15
Benzvl Alcohol
Concen: 4.631 ng
RT: 8.06 min Scan# 863
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

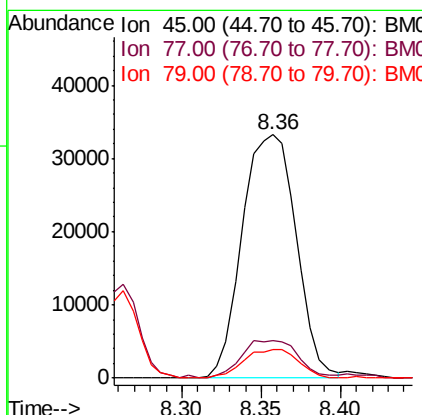
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

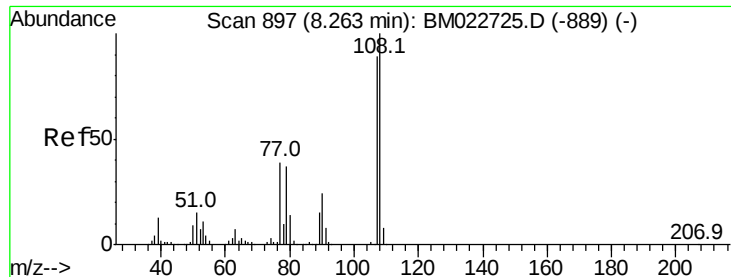
Tot Ion	Ratio	Lower	Upper
79	100		
108	82.3	64.9	97.3
77	67.9	51.1	76.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.842 ng
RT: 8.36 min Scan# 913
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
45	100		
77	15.3	0.0	35.1
79	11.7	0.0	31.4

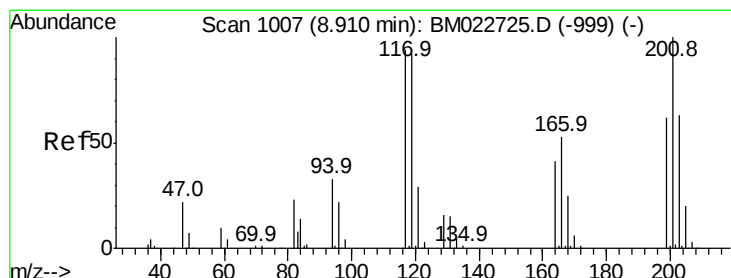
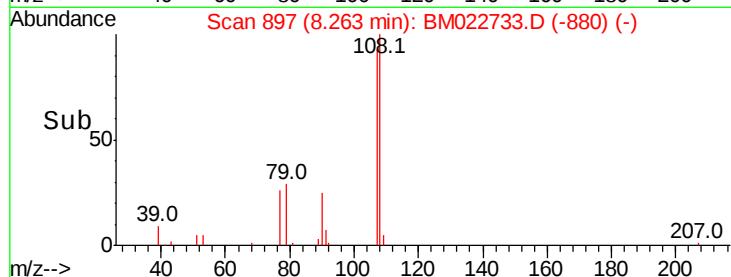
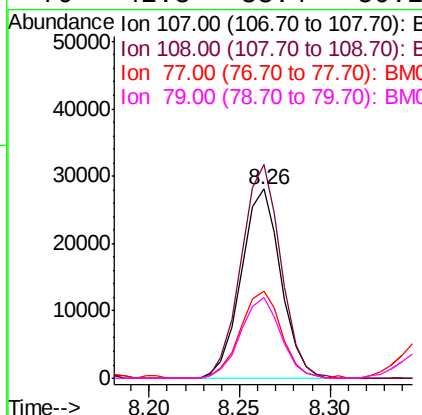
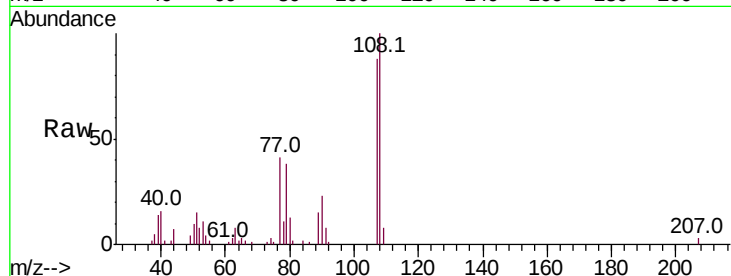




#17
2-Methylphenol
Concen: 4.532 ng
RT: 8.26 min Scan# 897
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

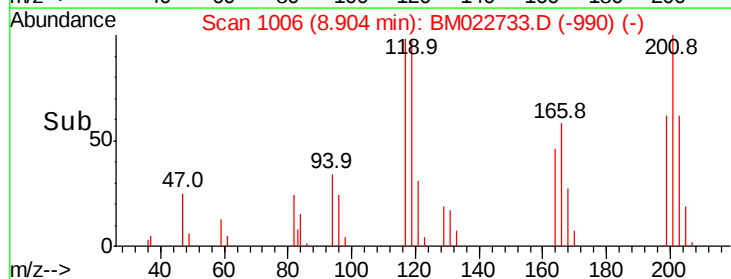
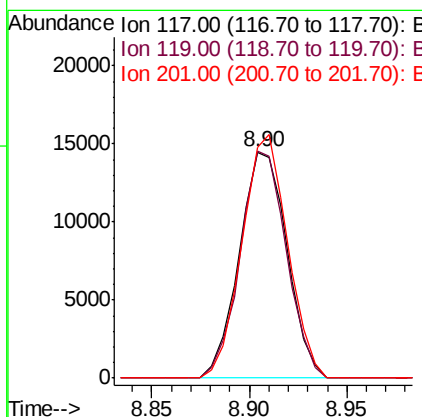
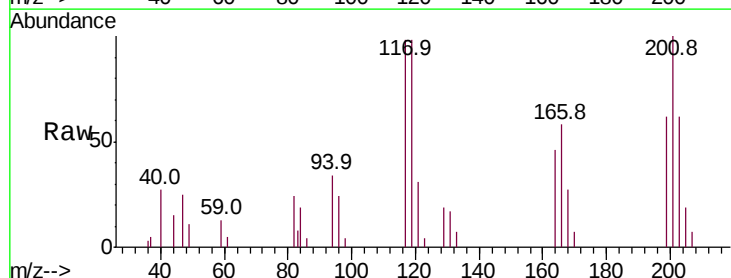
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

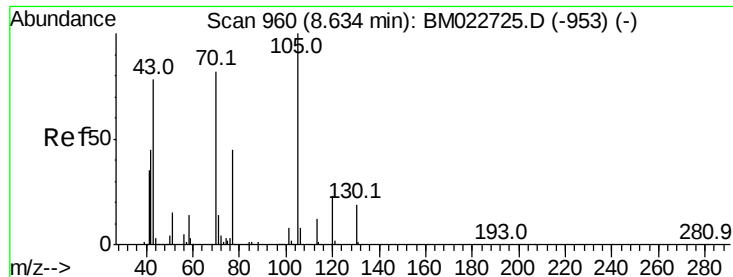
Tot Ion:	107	Resp:	42626
Ion	Ratio	Lower	Upper
107	100		
108	113.0	90.0	135.0
77	46.0	35.2	52.8
79	42.8	33.4	50.2



#18
Hexachloroethane
Concen: 4.614 ng
RT: 8.90 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion:	117	Resp:	24515
Ion	Ratio	Lower	Upper
117	100		
119	100.7	78.0	117.0
201	102.2	85.0	127.6

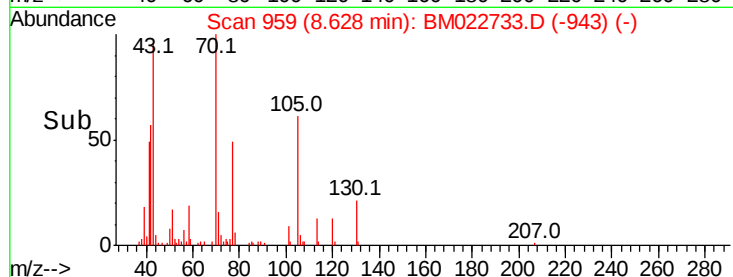
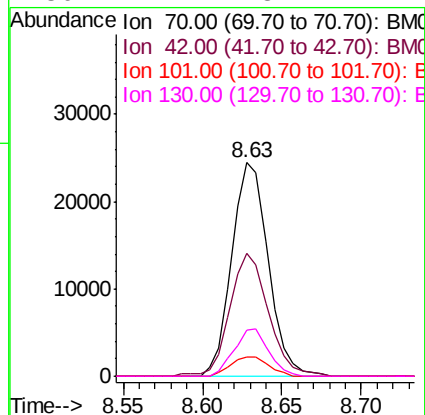
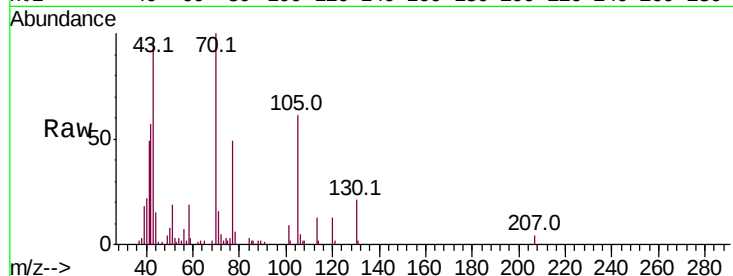




#19
n-Nitroso-di-n-propylamine
Concen: 4.624 ng
RT: 8.63 min Scan# 959
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

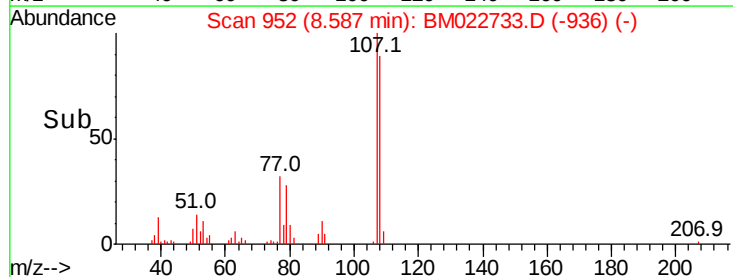
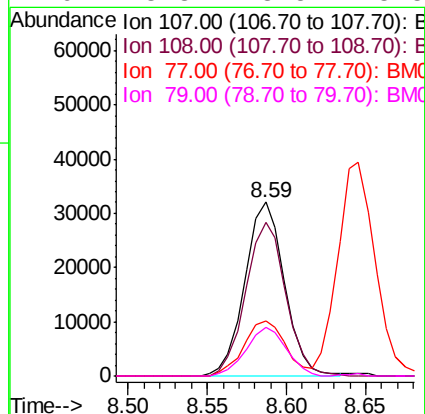
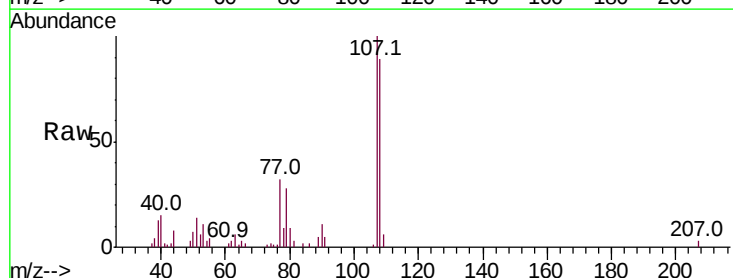
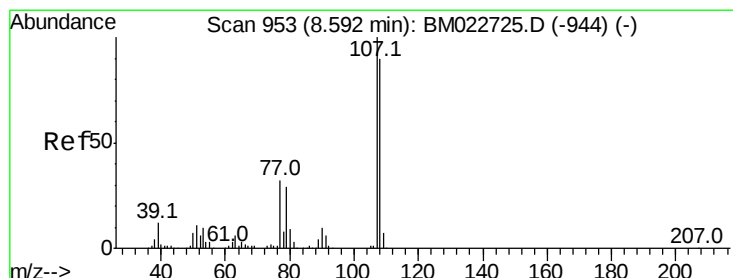
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

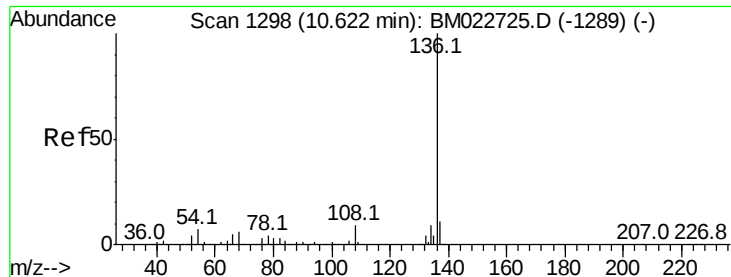
Tot Ion:	70	Resp:	38967
Ion	Ratio	Lower	Upper
70	100		
42	57.3	44.4	66.6
101	9.3	7.8	11.6
130	21.4	18.2	27.4



#20
3+4-Methylphenols
Concen: 4.446 ng
RT: 8.59 min Scan# 952
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion:	107	Resp:	55690
Ion	Ratio	Lower	Upper
107	100		
108	88.5	70.1	110.1
77	31.9	12.1	52.1
79	28.3	8.5	48.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.62 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:136 Resp: 744549

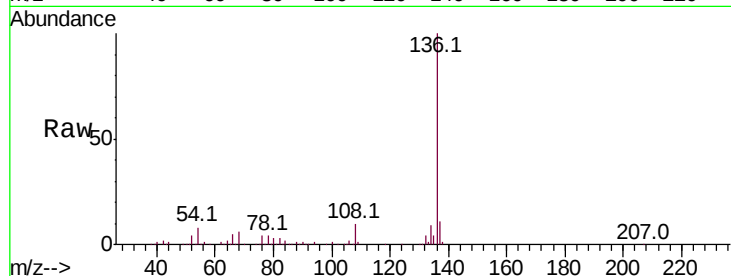
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 7.6 6.0 9.0

68 6.2 4.9 7.3

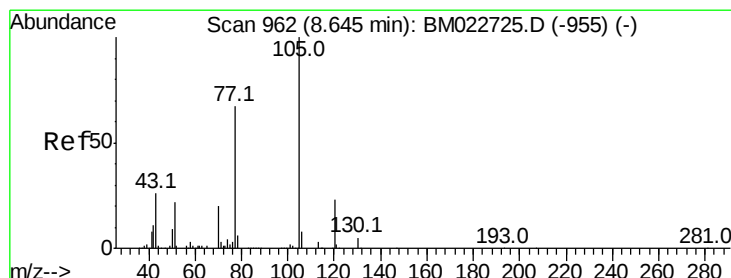
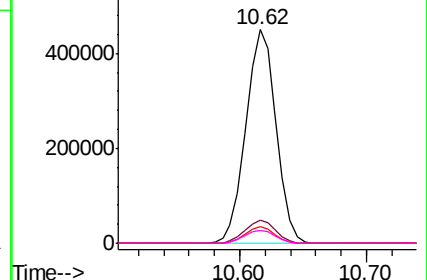
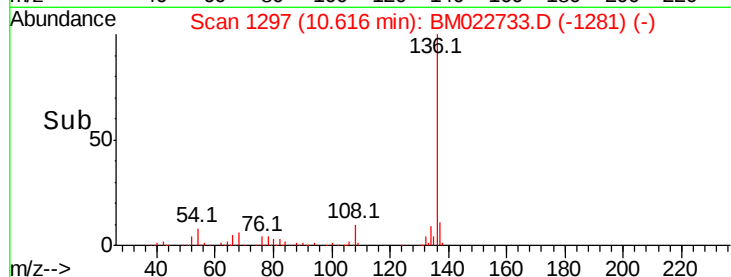


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22

Acetophenone

Concen: 4.698 ng

RT: 8.65 min Scan# 962

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Tgt Ion:105 Resp: 86336

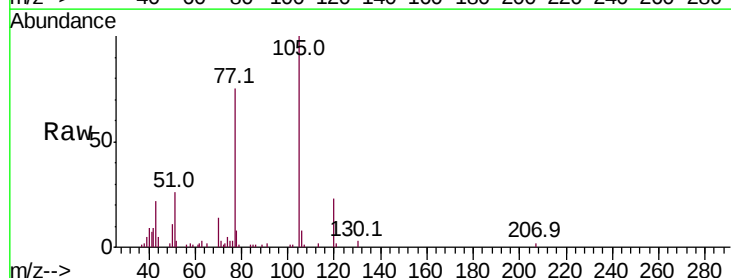
Ion Ratio Lower Upper

105 100

71 2.6 2.7 4.1#

51 26.4 19.9 29.9

120 23.0 18.3 27.5

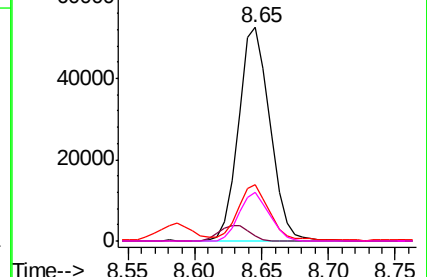
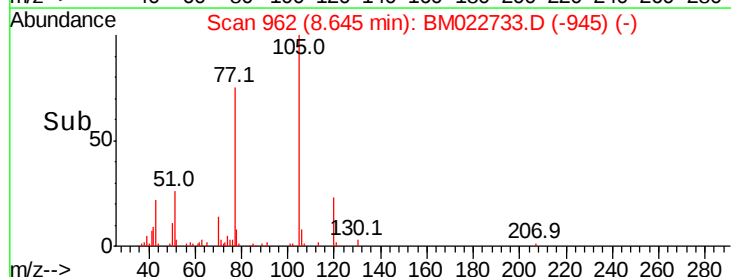


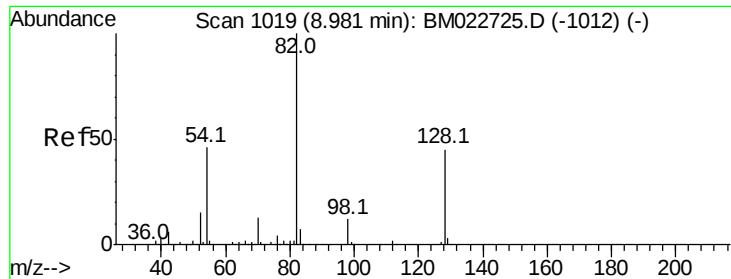
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E

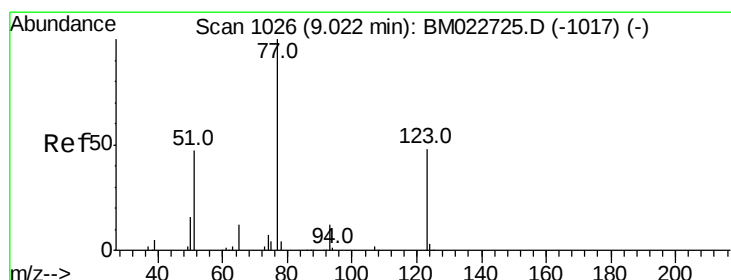
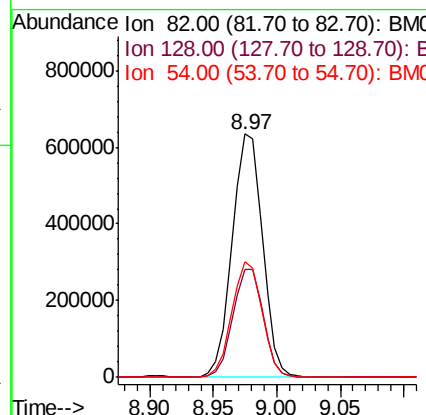
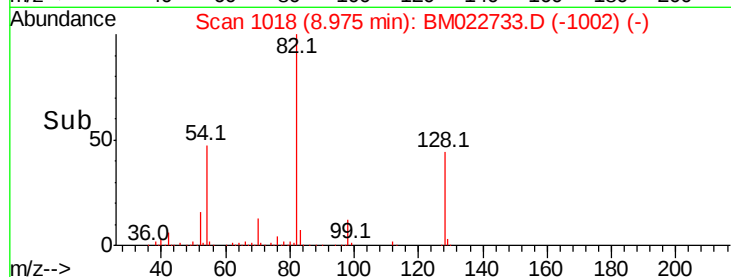
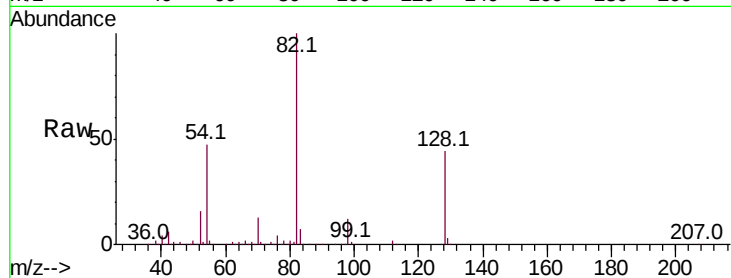




#23
Nitrobenzene-d5
Concen: 78.279 ng
RT: 8.97 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

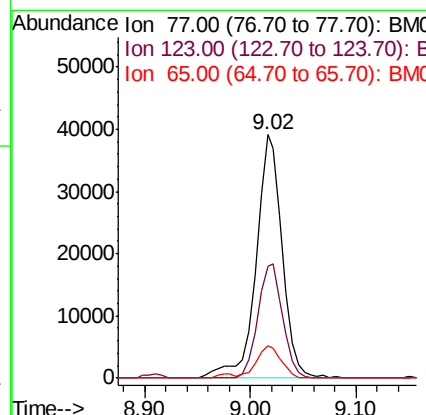
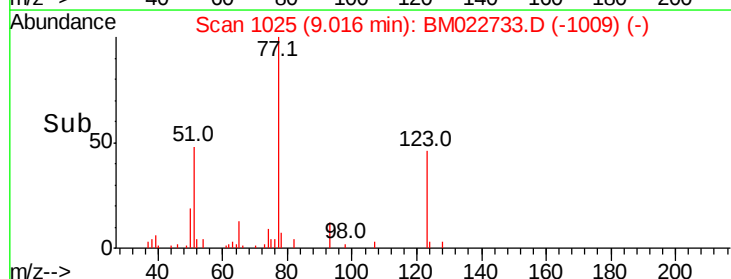
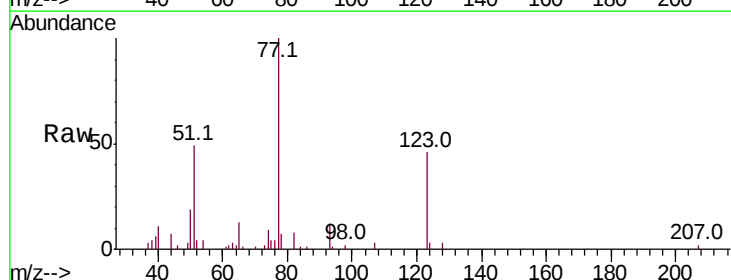
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

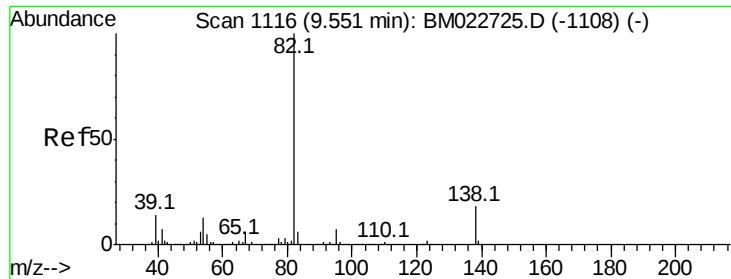
Tot Ion: 82 Resp: 1049947
Ion Ratio Lower Upper
82 100
128 44.3 36.0 54.0
54 47.4 37.1 55.7



#24
Nitrobenzene
Concen: 5.267 ng
RT: 9.02 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion: 77 Resp: 67594
Ion Ratio Lower Upper
77 100
123 46.1 38.0 57.0
65 13.3 10.0 15.0

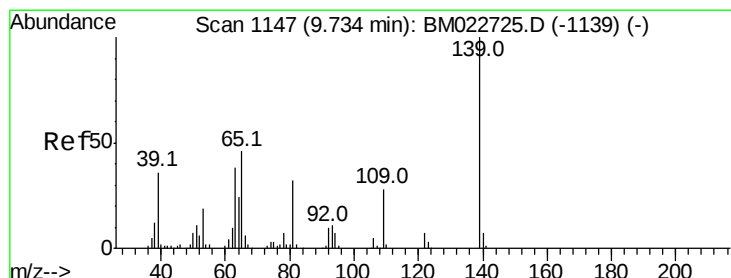
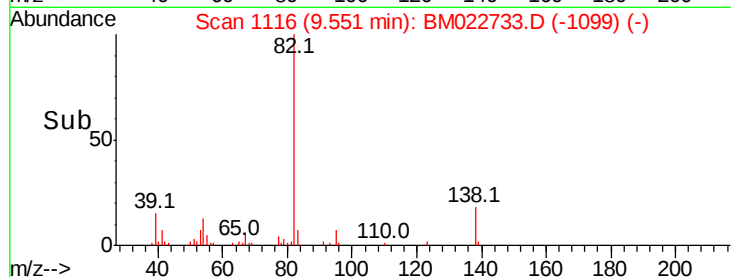
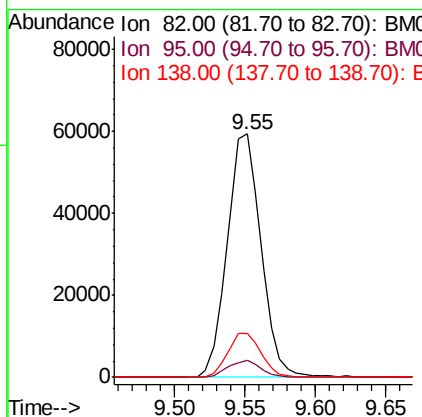
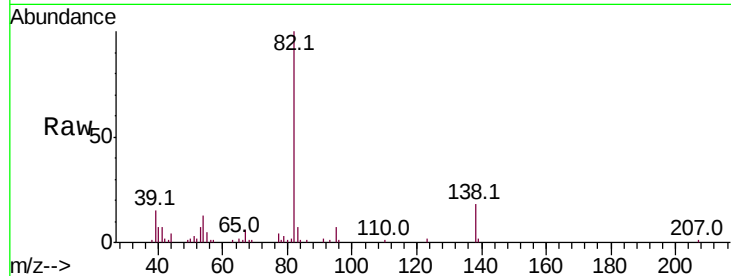




#25
Isophorone
Concen: 4.503 ng
RT: 9.55 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

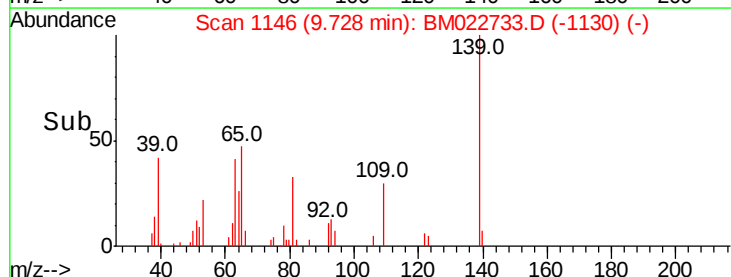
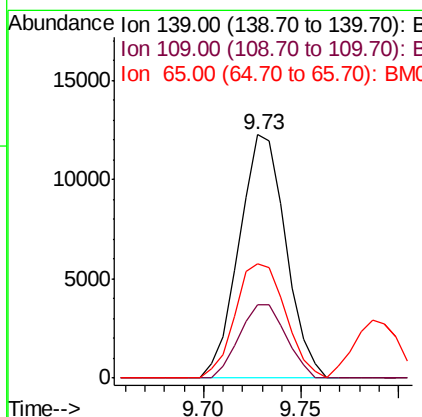
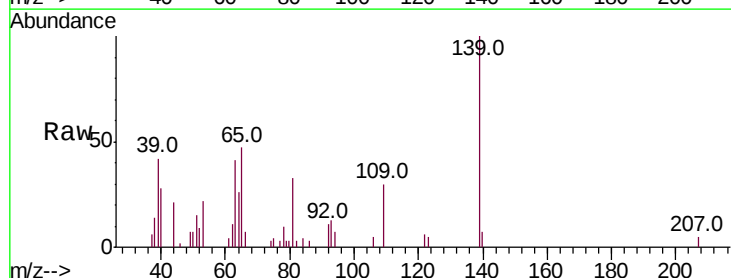
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

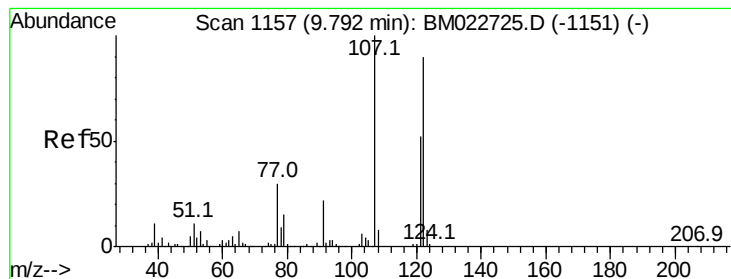
Tot Ion: 82 Resp: 99308
Ion Ratio Lower Upper
82 100
95 7.3 5.4 8.0
138 18.0 14.7 22.1



#26
2-Nitrophenol
Concen: 3.669 ng
RT: 9.73 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion: 139 Resp: 20327
Ion Ratio Lower Upper
139 100
109 30.0 22.6 33.8
65 47.1 37.0 55.4

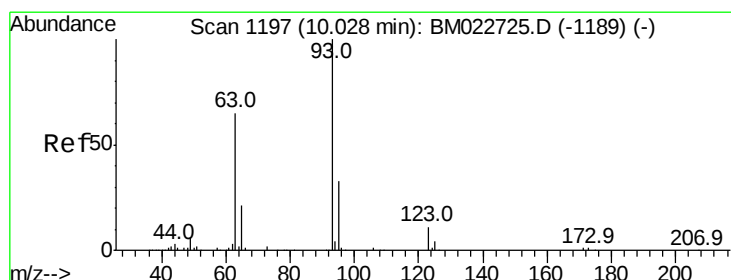
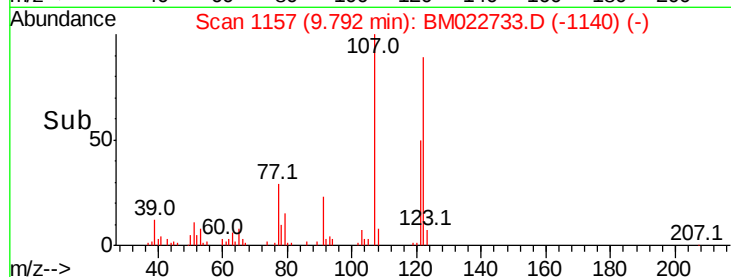
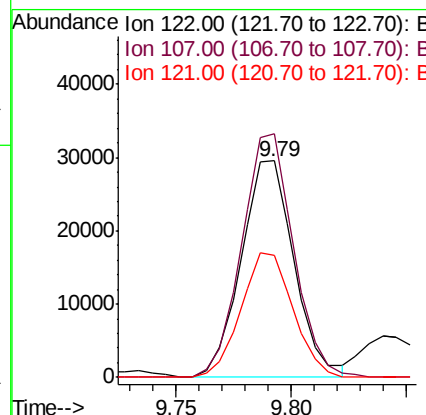
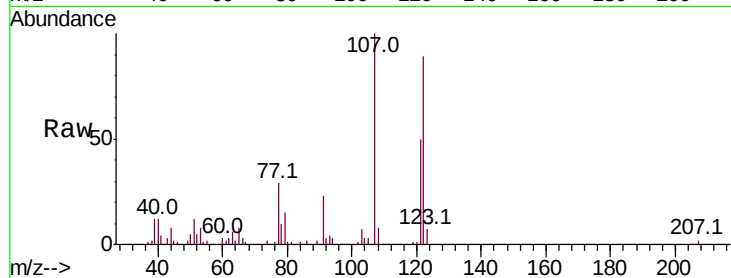




#27
 2,4-Dimethylphenol
 Concen: 5.121 ng
 RT: 9.79 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

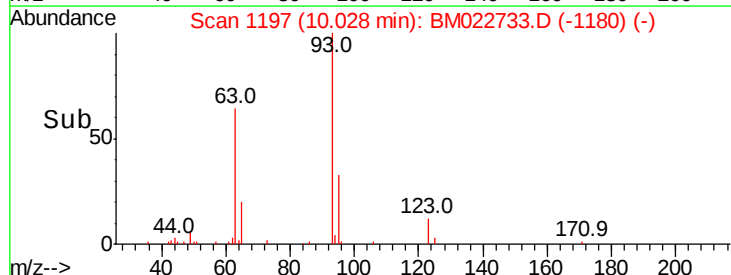
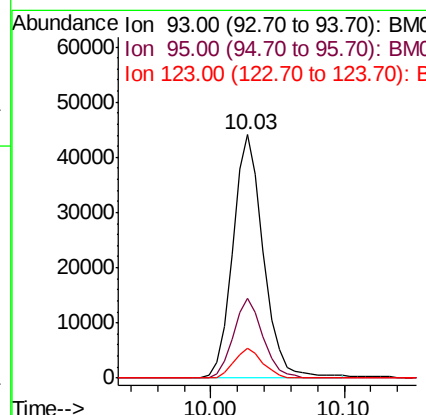
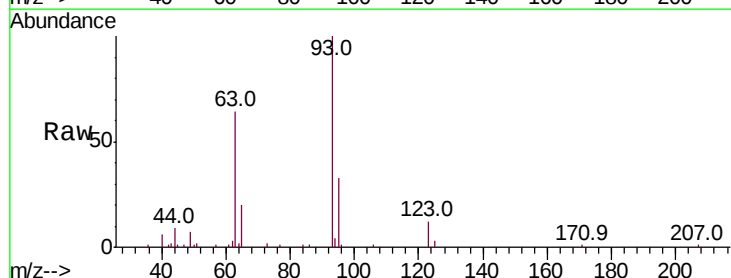
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

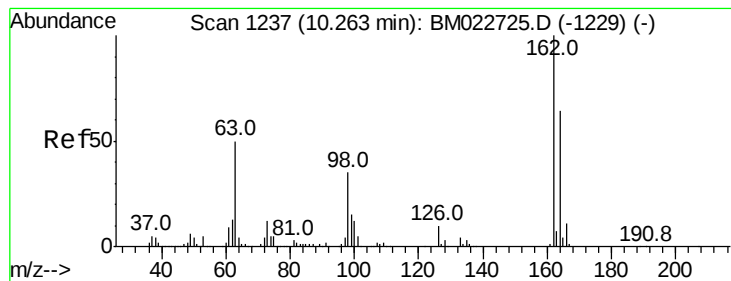
Tot Ion	Ratio	Lower	Upper
122	100		
107	112.5	88.9	133.3
121	56.4	46.5	69.7



#28
 bis(2-Chloroethoxy)methane
 Concen: 4.631 ng
 RT: 10.03 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.0	39.0
123	12.1	9.0	13.6





#29

2,4-Dichlorophenol

Concen: 4.132 ng

RT: 10.26 min Scan# 1237

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

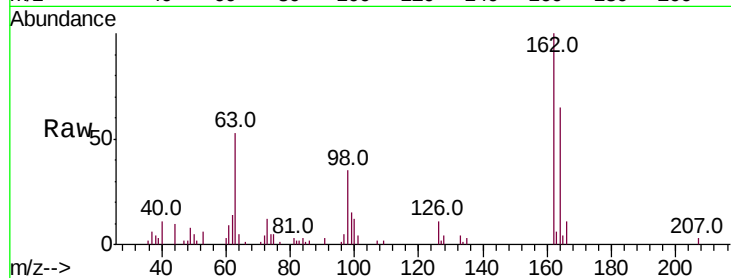
Tot Ion:162 Resp: 43331

Ion Ratio Lower Upper

162 100

164 64.6 44.4 84.4

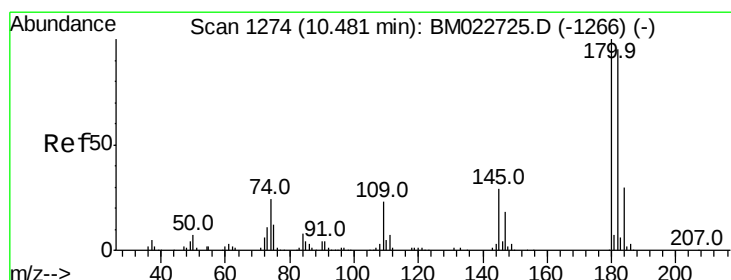
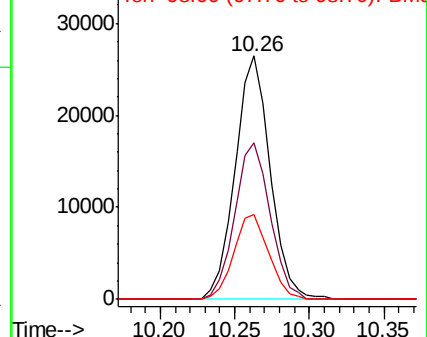
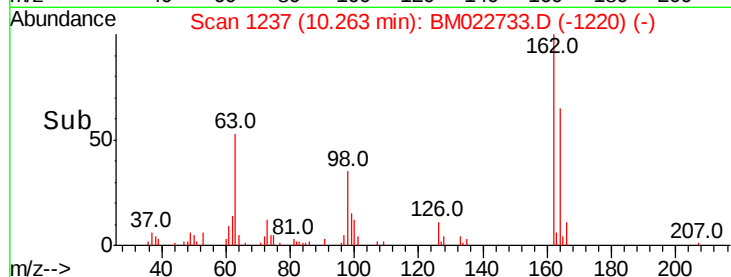
98 35.1 14.8 54.8



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM



#30

1,2,4-Trichlorobenzene

Concen: 4.703 ng

RT: 10.48 min Scan# 1274

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

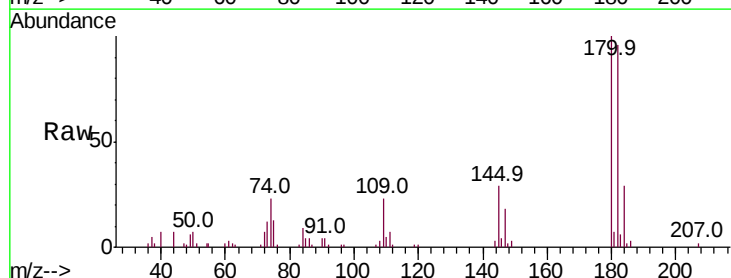
Tgt Ion:180 Resp: 60674

Ion Ratio Lower Upper

180 100

182 95.9 76.2 114.2

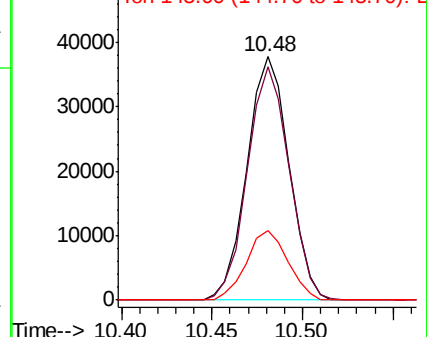
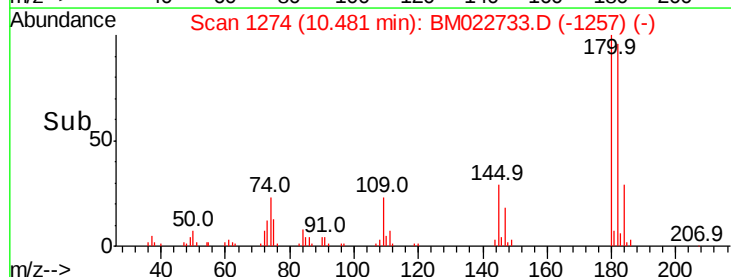
145 28.7 23.0 34.4

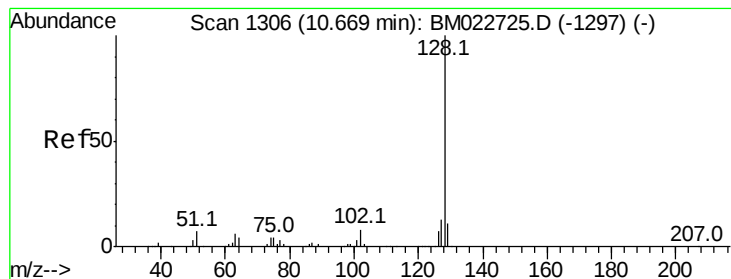


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 4.990 ng

RT: 10.66 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

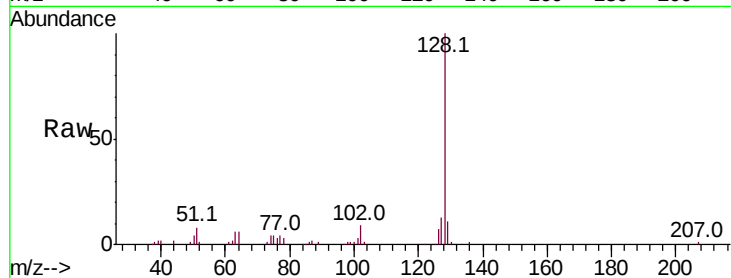
Tot Ion:128 Resp: 183563

Ion Ratio Lower Upper

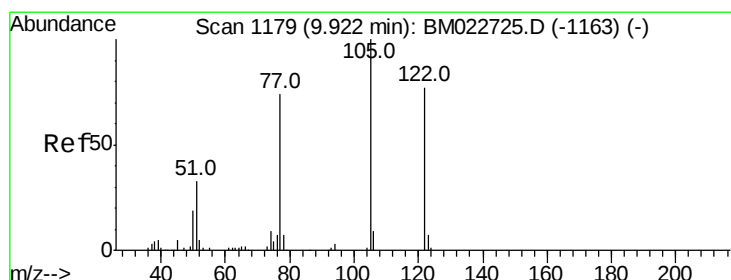
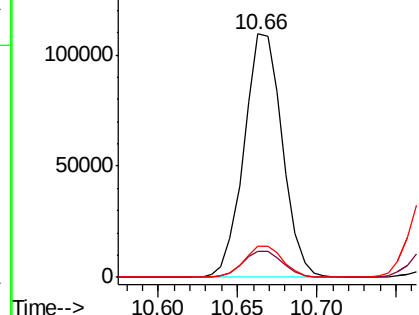
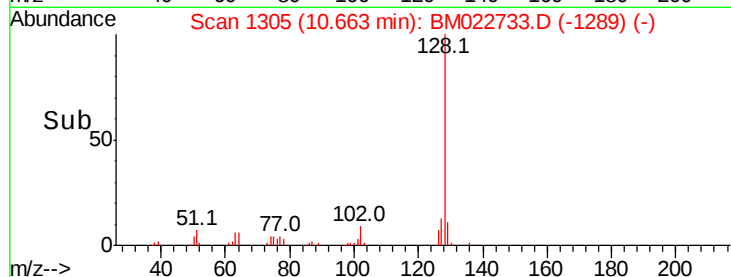
128 100

129 10.9 8.8 13.2

127 12.6 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): E
150000 Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 5.496 ng

RT: 9.84 min Scan# 1165

Delta R.T. -0.08 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

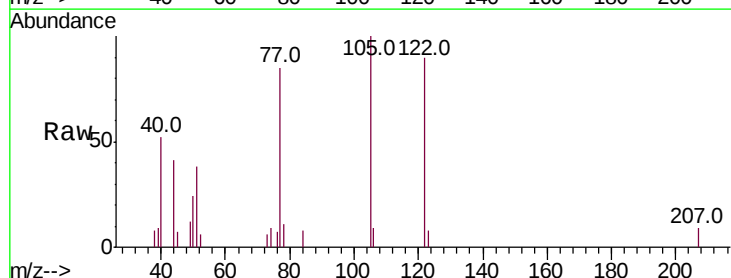
Tgt Ion:122 Resp: 10928

Ion Ratio Lower Upper

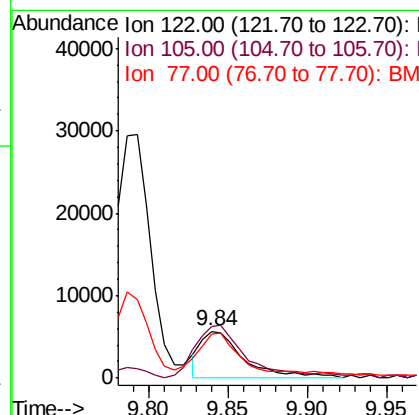
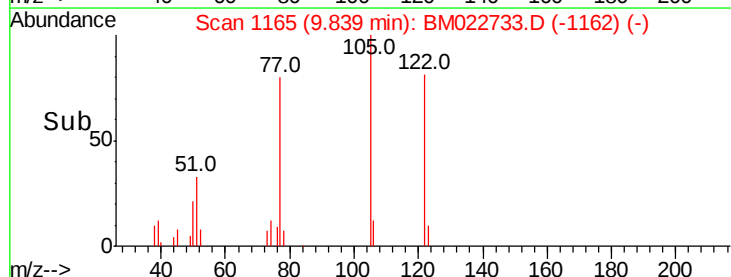
122 100

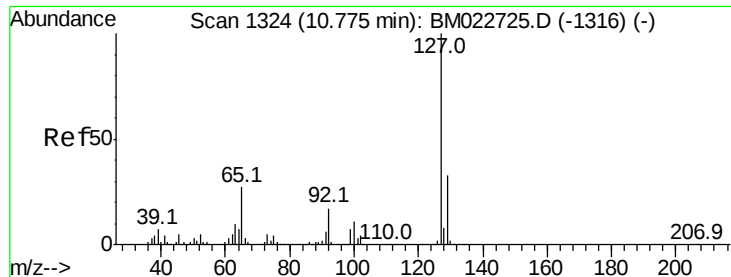
105 111.3 105.3 145.3

77 94.8 74.7 114.7



Abundance Ion 122.00 (121.70 to 122.70): E
40000 Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BM

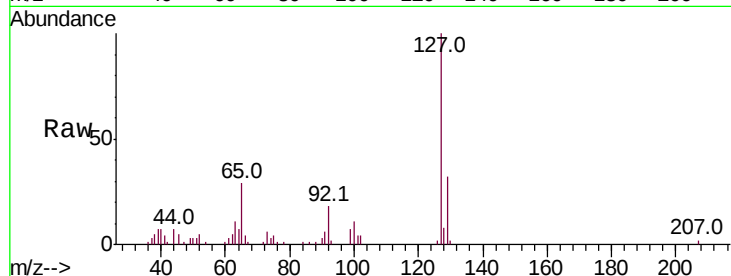




#33
4-Chloroaniline
Concen: 4.542 ng
RT: 10.77 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:127	Resp:	72555
Ion Ratio	Lower	Upper
127	100	
129	31.8	26.1 39.1
65	28.9	22.0 33.0
92	17.6	13.8 20.8



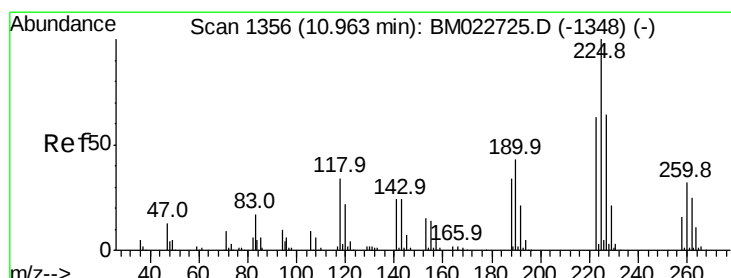
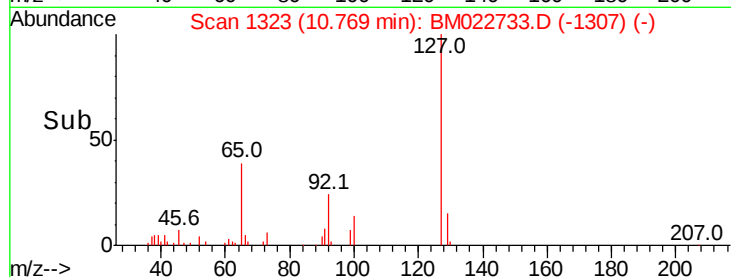
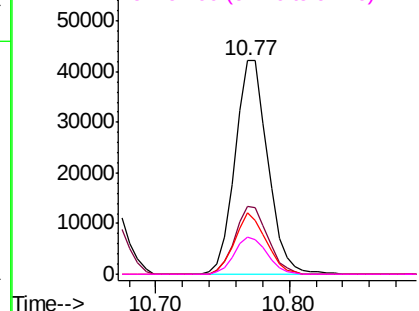
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

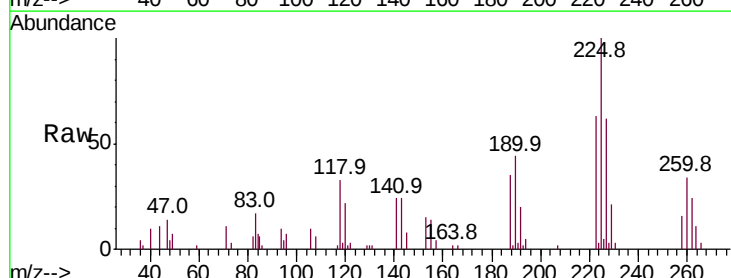
Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0



#34
Hexachlorobutadiene
Concen: 4.523 ng
RT: 10.96 min Scan# 1356
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion:225	Resp:	34784
Ion Ratio	Lower	Upper
225	100	
223	62.9	50.2 75.4
227	64.9	51.0 76.4

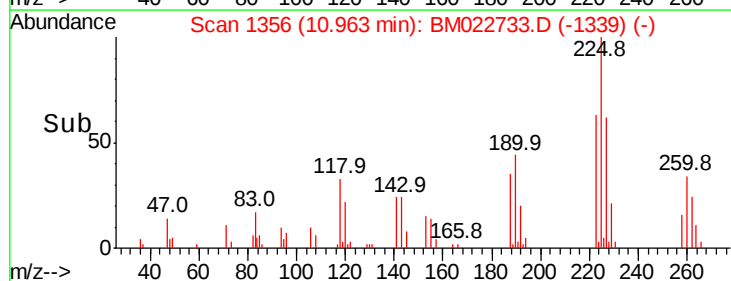
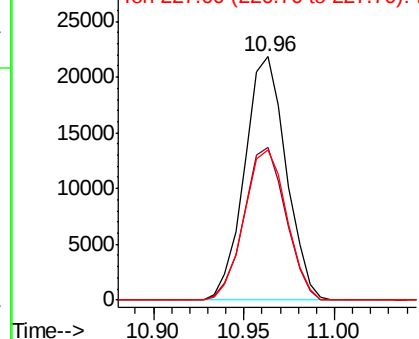


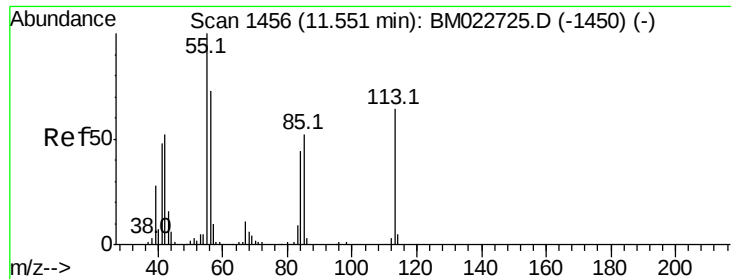
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 3.084 ng

RT: 11.55 min Scan# 1456

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

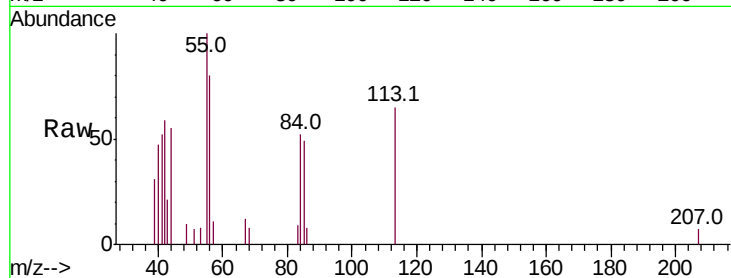
Tot Ion:113 Resp: 9587

Ion Ratio Lower Upper

113 100

55 154.7 136.8 176.8

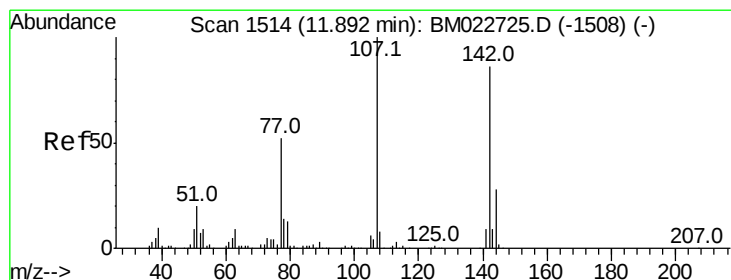
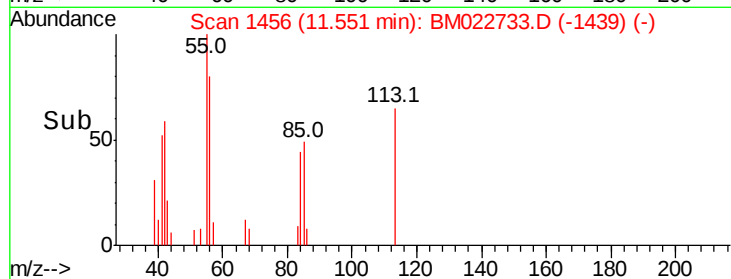
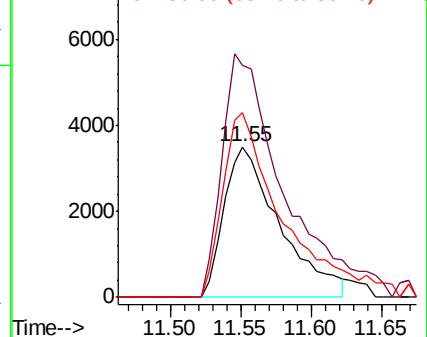
56 123.3 95.2 135.2



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 4.175 ng

RT: 11.89 min Scan# 1514

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

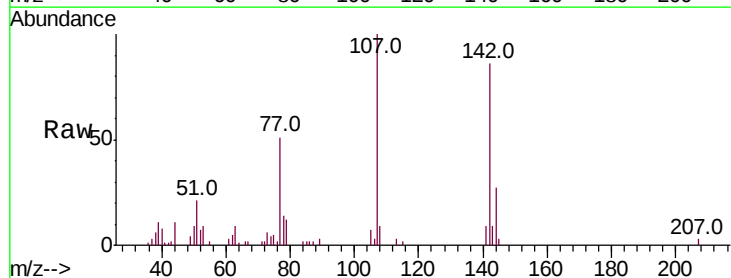
Tgt Ion:107 Resp: 42711

Ion Ratio Lower Upper

107 100

144 27.1 22.4 33.6

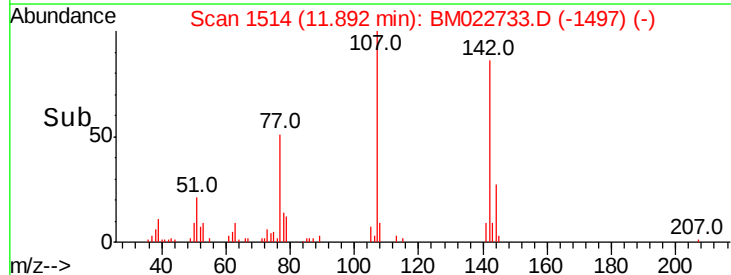
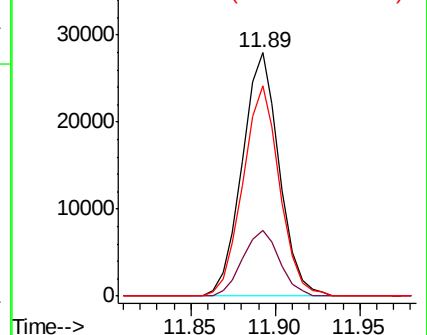
142 86.3 68.2 102.4

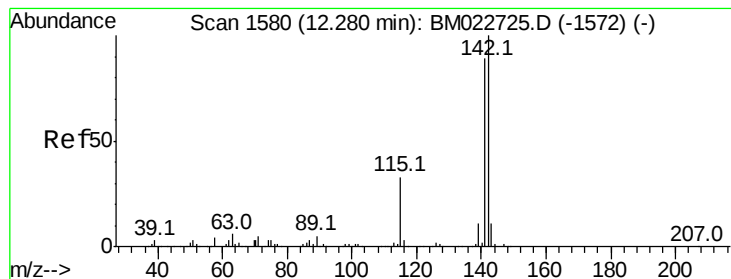


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 4.912 ng

RT: 12.28 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

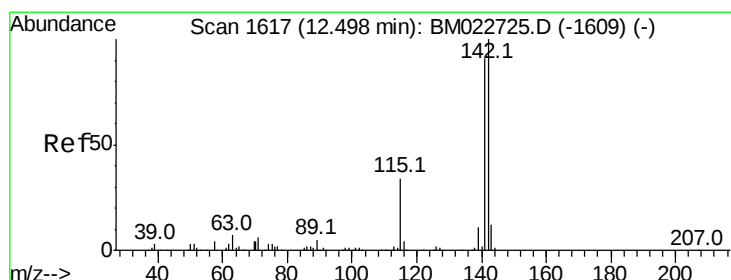
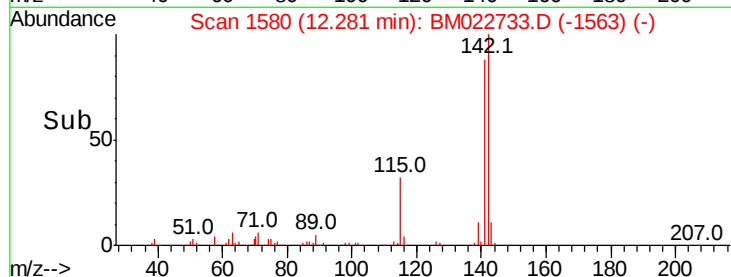
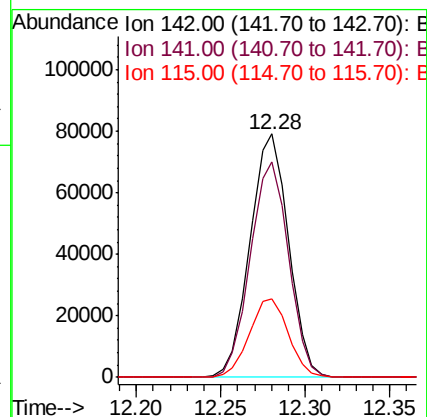
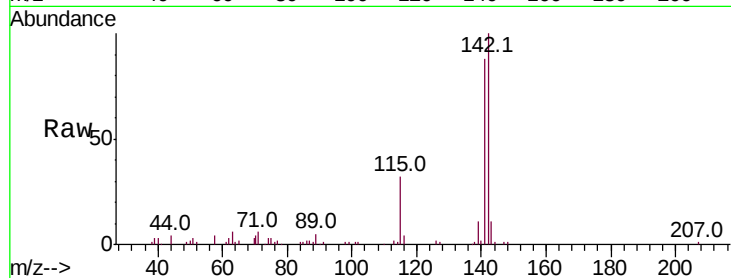
Tot Ion:142 Resp: 125779

Ion Ratio Lower Upper

142 100

141 88.3 71.5 107.3

115 32.1 26.1 39.1



#38

1-Methylnaphthalene

Concen: 4.783 ng

RT: 12.50 min Scan# 1617

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

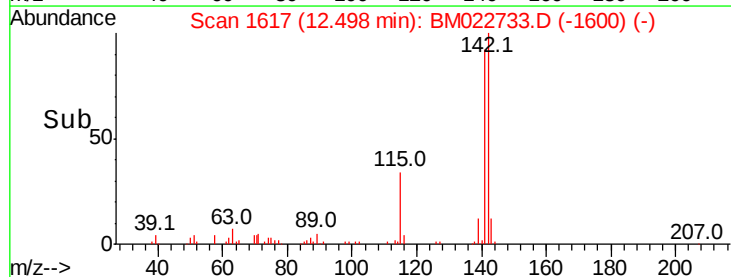
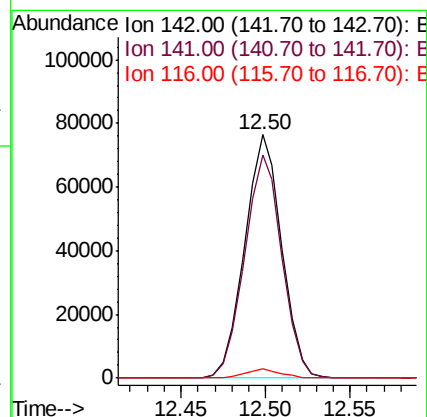
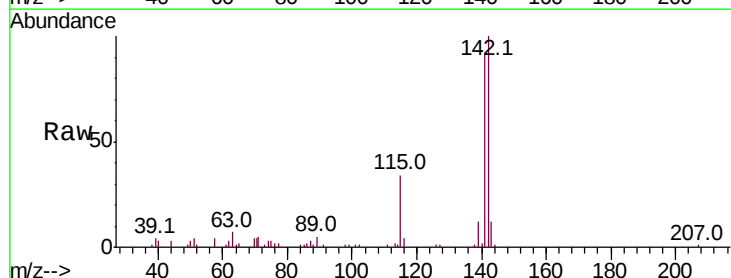
Tgt Ion:142 Resp: 116268

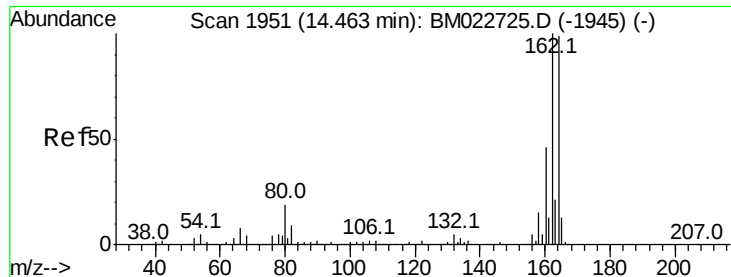
Ion Ratio Lower Upper

142 100

141 91.7 73.0 109.4

116 3.8 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

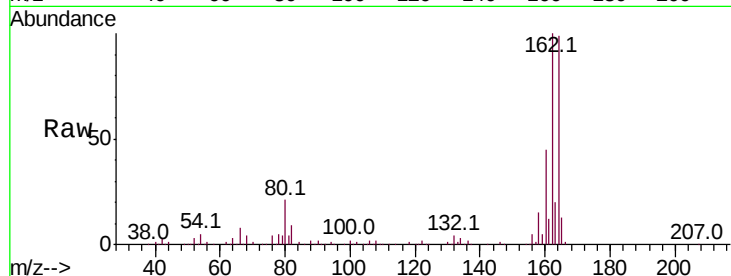
Tot Ion:164 Resp: 421848

Ion Ratio Lower Upper

164 100

162 100.7 81.1 121.7

160 45.5 36.9 55.3

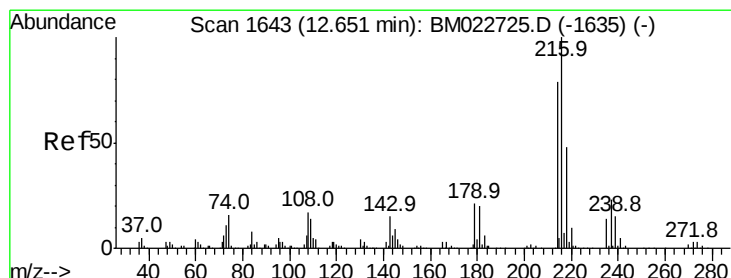
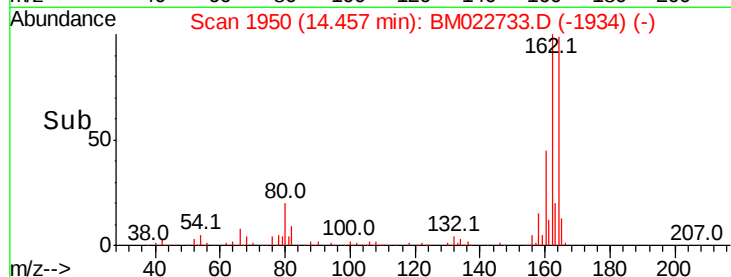
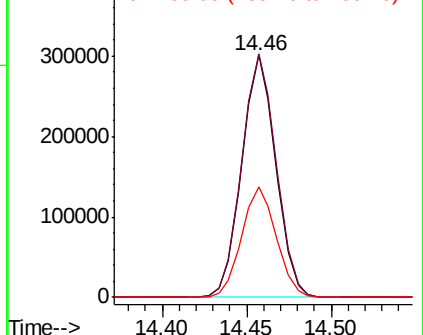


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.397 ng

RT: 12.65 min Scan# 1643

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Tgt Ion:216 Resp: 62851

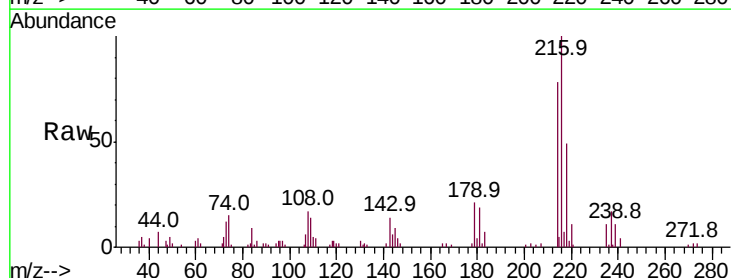
Ion Ratio Lower Upper

216 100

214 79.3 62.9 94.3

179 21.0 16.6 24.8

108 18.6 14.2 21.4



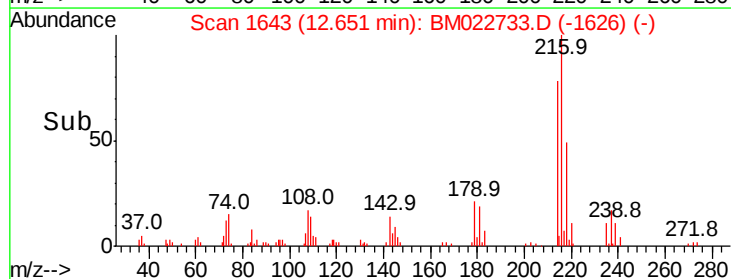
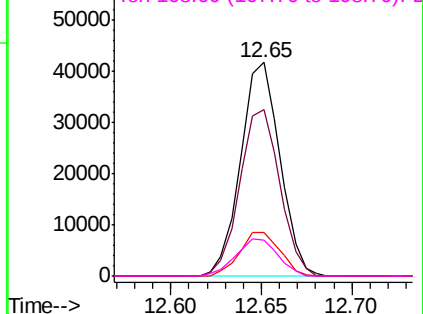
Abundance

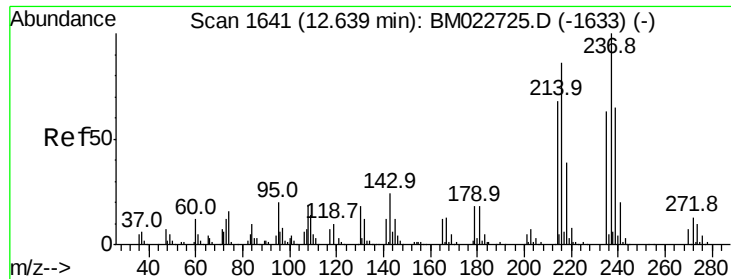
Ion 216.00 (215.70 to 216.70): E

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: 4.307 ng

RT: 12.64 min Scan# 1641

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

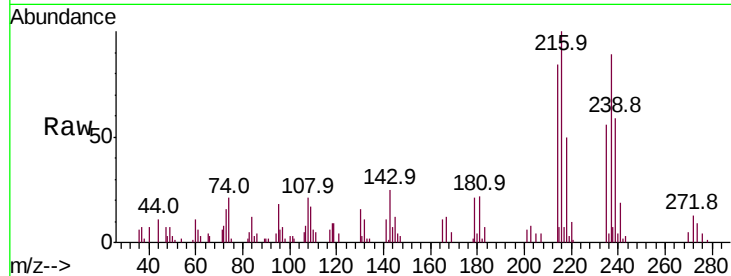
Tot Ion:237 Resp: 33593

Ion Ratio Lower Upper

237 100

235 63.0 43.3 83.3

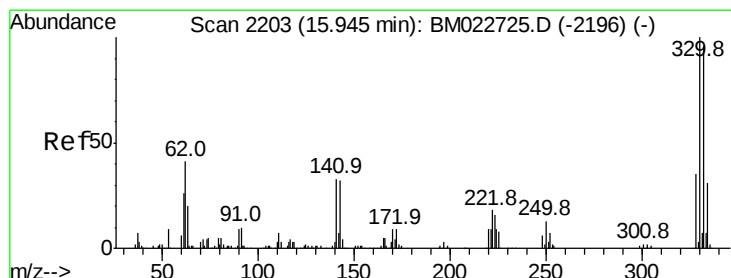
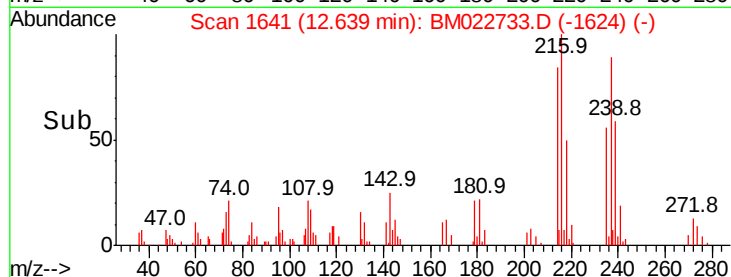
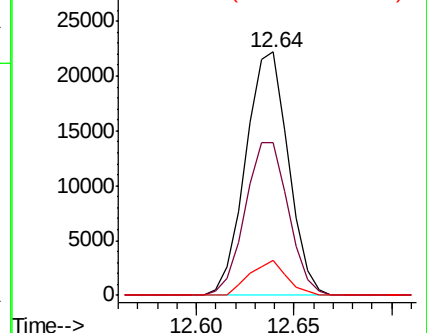
272 14.3 0.0 32.6



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 119.854 ng

RT: 15.94 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

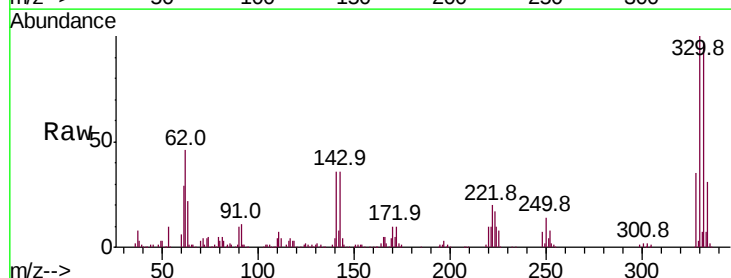
Tgt Ion:330 Resp: 631165

Ion Ratio Lower Upper

330 100

332 96.1 76.9 115.3

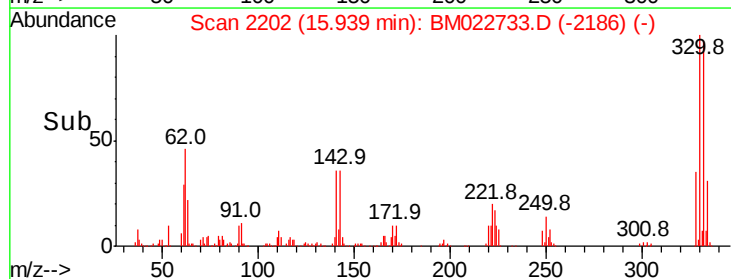
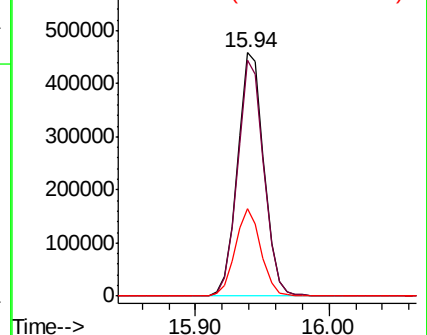
141 35.2 28.6 42.8

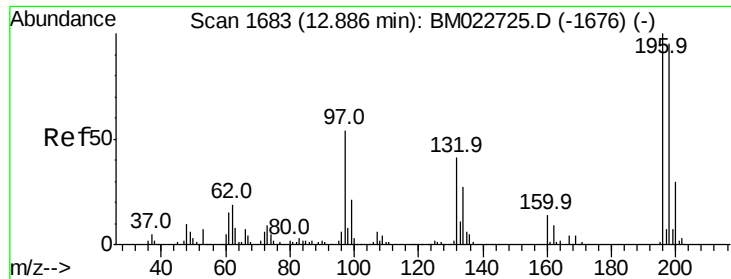


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

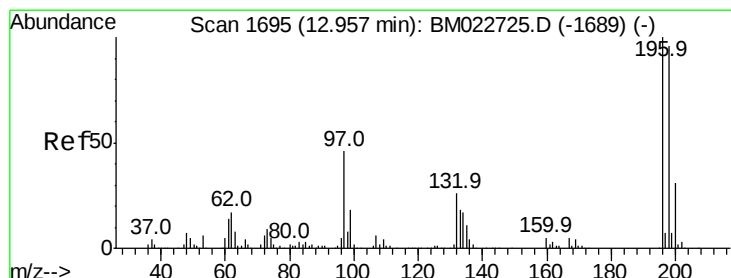
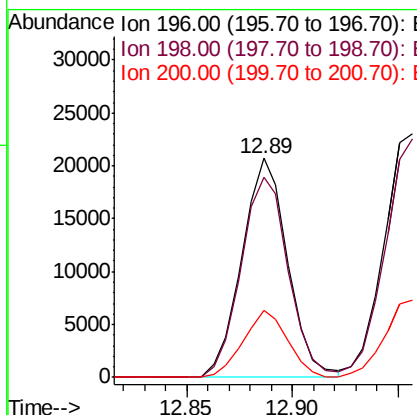
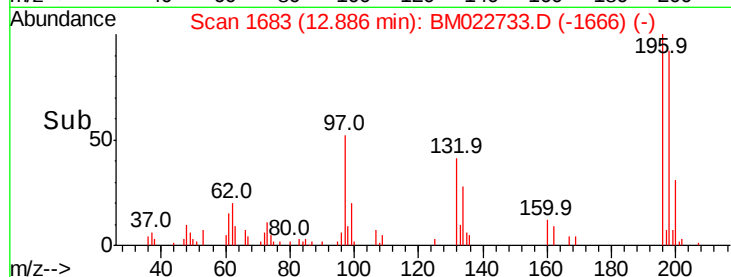
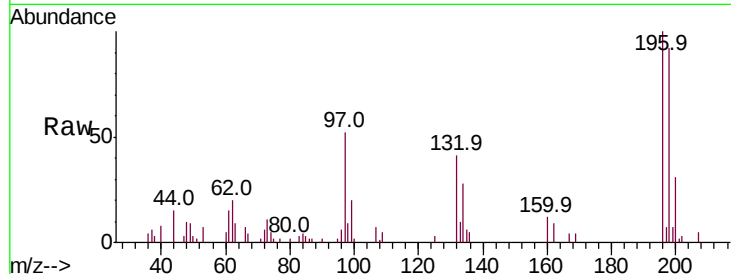




#43
 2,4,6-Trichlorophenol
 Concen: 3.781 ng
 RT: 12.89 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

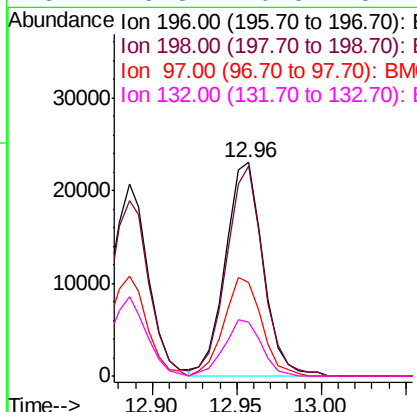
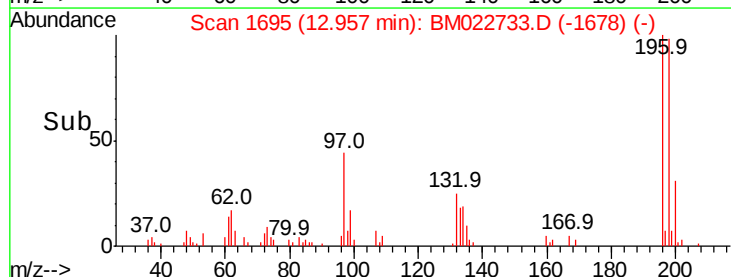
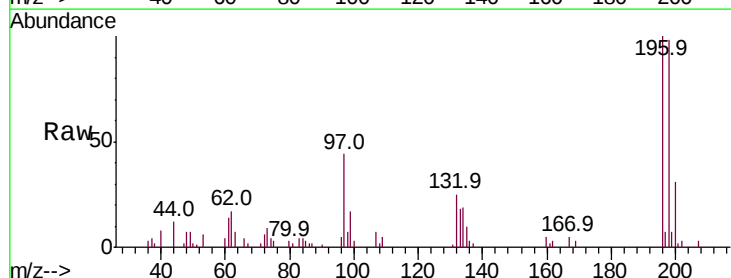
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

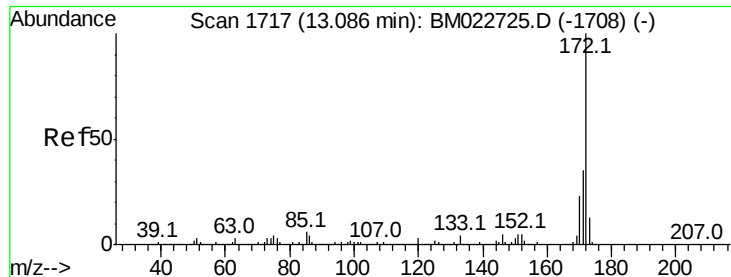
Tot Ion:196 Resp: 31189
 Ion Ratio Lower Upper
 196 100
 198 91.6 76.3 114.5
 200 30.8 24.4 36.6



#44
 2,4,5-Trichlorophenol
 Concen: 4.162 ng
 RT: 12.96 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Tgt Ion:196 Resp: 35781
 Ion Ratio Lower Upper
 196 100
 198 98.2 77.0 115.4
 97 43.9 37.2 55.8
 132 25.3 20.8 31.2

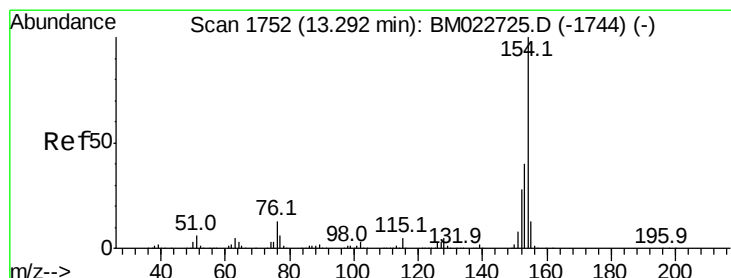
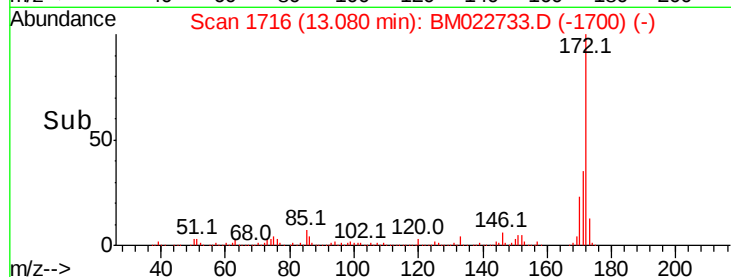
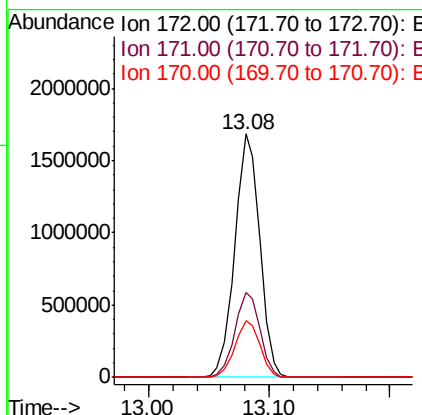
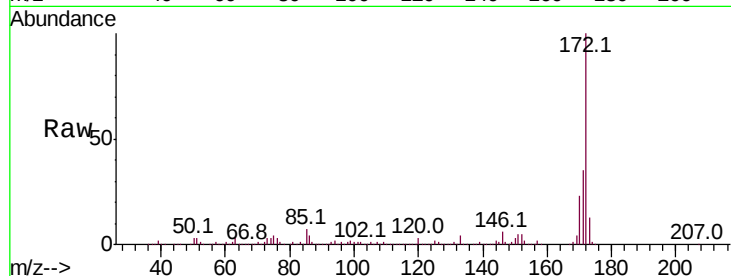




#45
2-Fluorobiphenyl
Concen: 79.007 ng
RT: 13.08 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

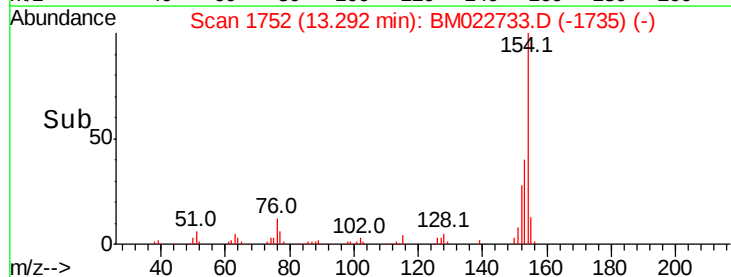
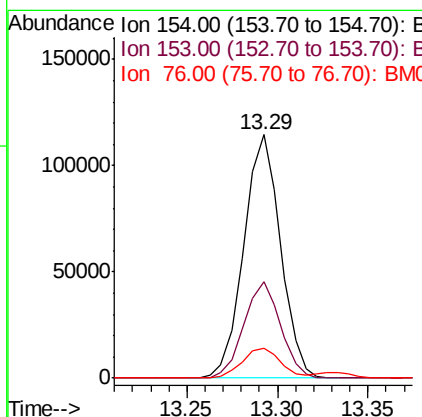
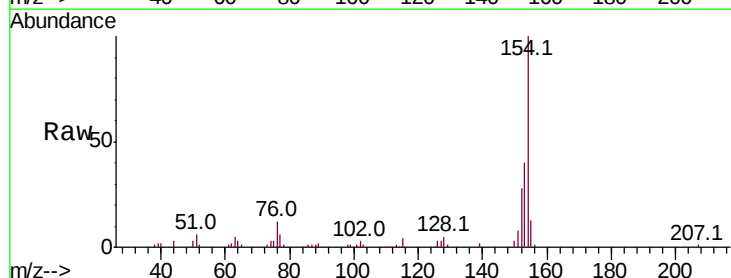
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

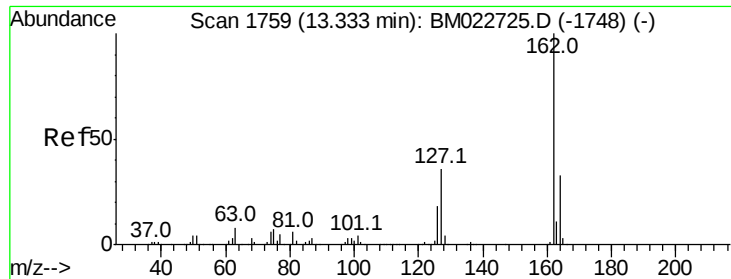
Tot Ion:172 Resp: 2420336
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.8
170 23.3 18.7 28.1



#46
1,1'-Biphenyl
Concen: 4.608 ng
RT: 13.29 min Scan# 1752
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion:154 Resp: 160887
Ion Ratio Lower Upper
154 100
153 39.8 20.1 60.1
76 12.0 0.0 32.6

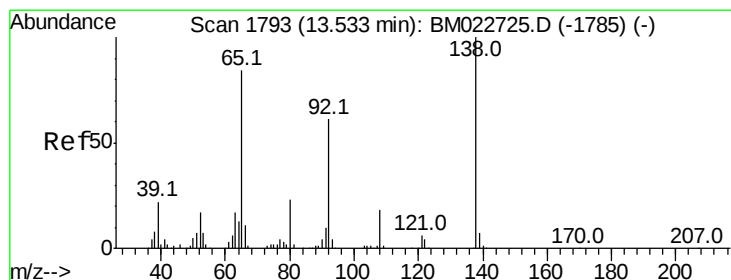
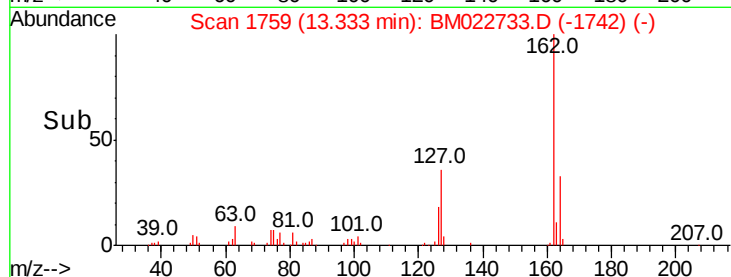
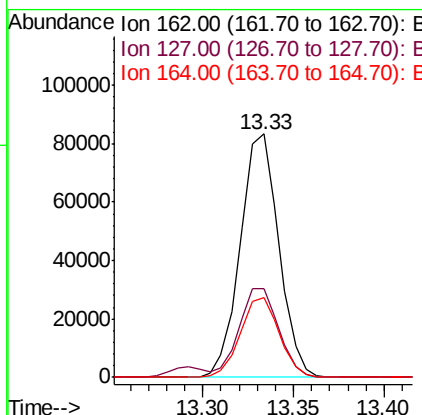
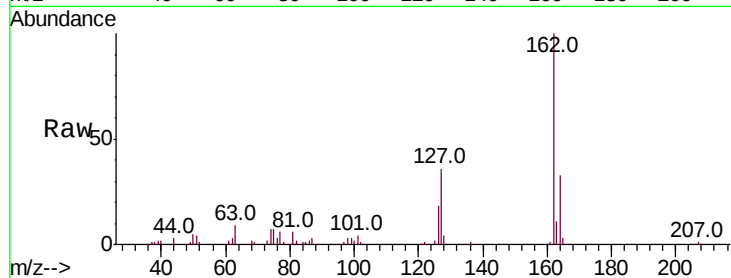




#47
 2-Chloronaphthalene
 Concen: 4.743 ng
 RT: 13.33 min Scan# 1759
 Delta R.T. 0.00 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

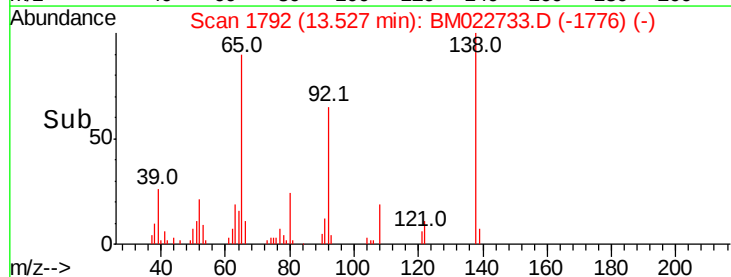
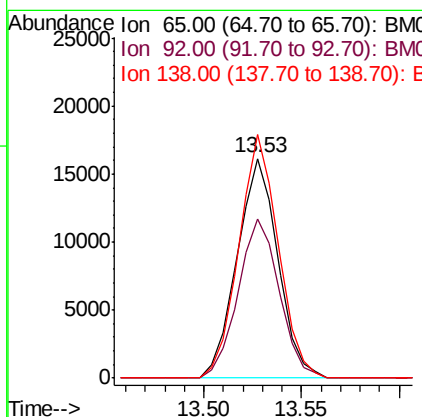
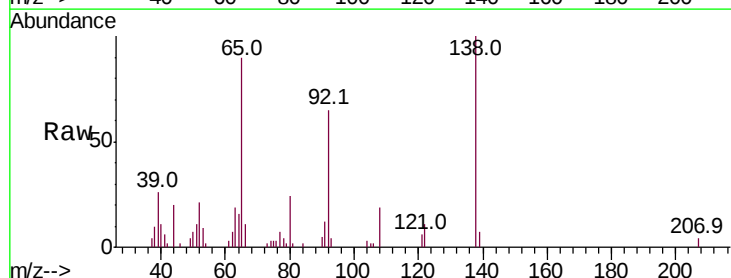
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

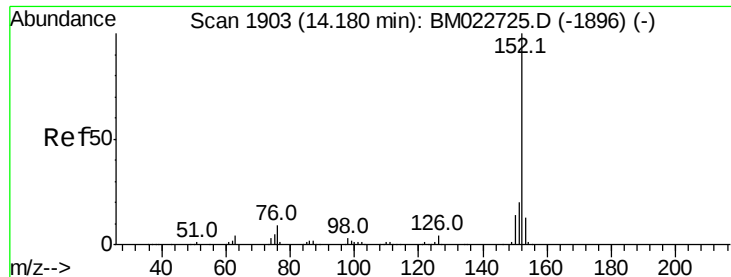
Tot Ion	Ratio	Lower	Upper
162	100		
127	36.3	29.0	43.6
164	32.5	26.0	39.0



#48
 2-Nitroaniline
 Concen: 3.445 ng
 RT: 13.53 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.5	58.6	87.8
138	110.8	95.4	143.0





#49

Acenaphthylene

Concen: 4.483 ng

RT: 14.18 min Scan# 1903

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

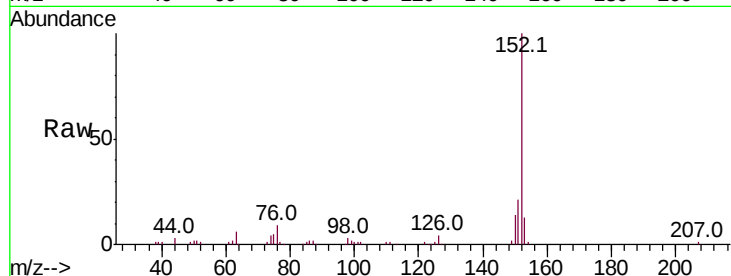
Tot Ion:152 Resp: 172767

Ion Ratio Lower Upper

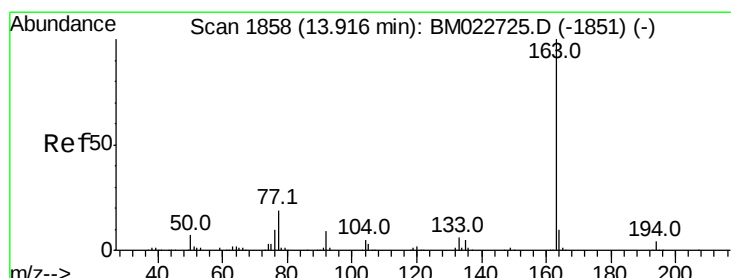
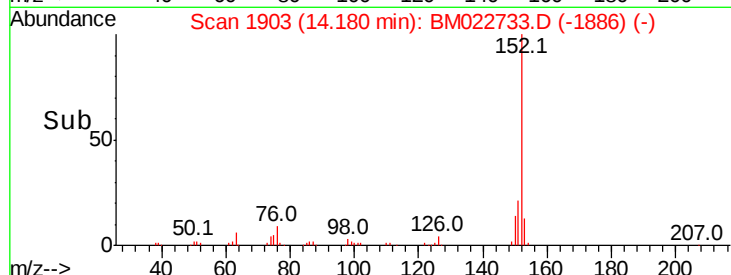
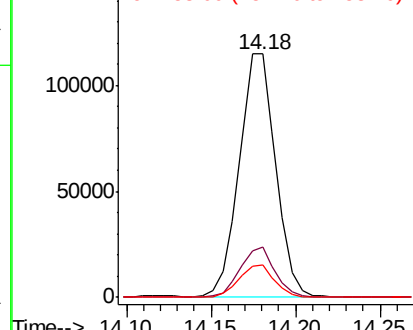
152 100

151 20.6 15.9 23.9

153 13.1 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 4.537 ng

RT: 13.91 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

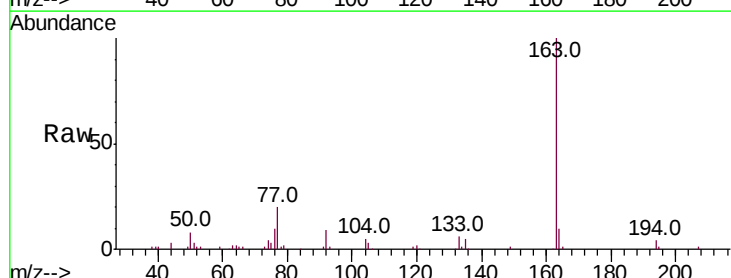
Tgt Ion:163 Resp: 138327

Ion Ratio Lower Upper

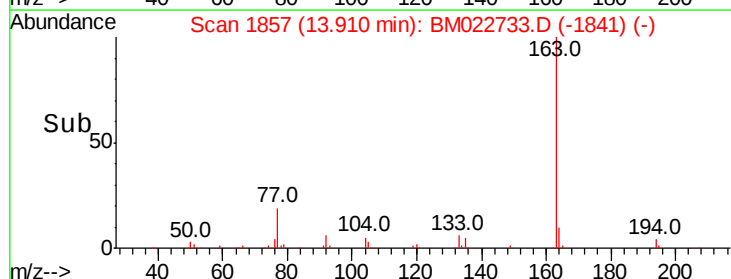
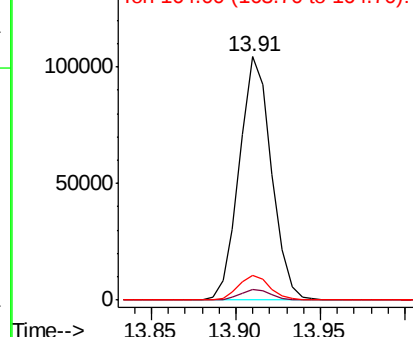
163 100

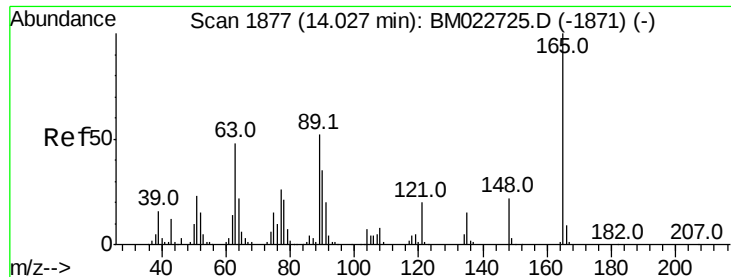
194 4.3 3.3 4.9

164 10.3 8.2 12.2



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: 3.867 ng

RT: 14.02 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

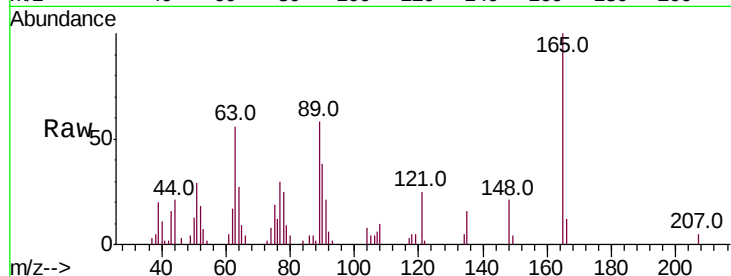
Tot Ion:165 Resp: 24661

Ion Ratio Lower Upper

165 100

63 55.8 38.6 58.0

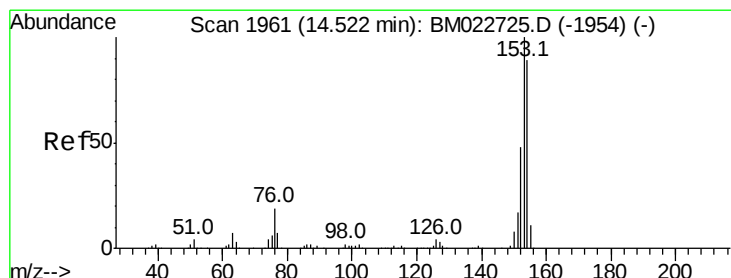
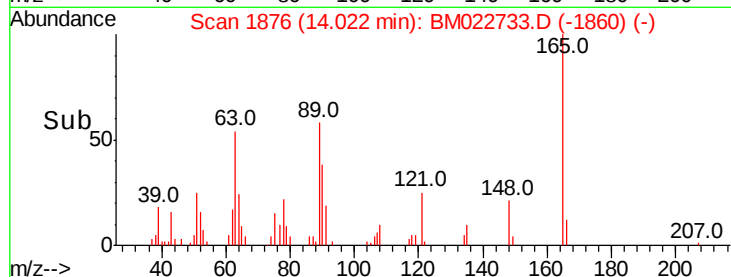
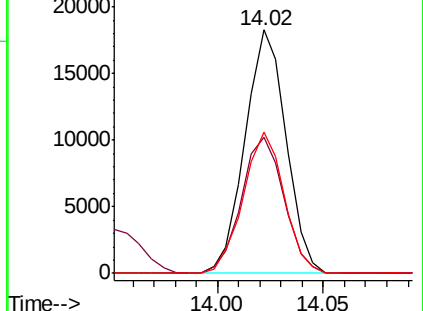
89 57.9 41.6 62.4



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 89.00 (88.70 to 89.70): BM



#52

Acenaphthene

Concen: 4.685 ng

RT: 14.52 min Scan# 1961

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

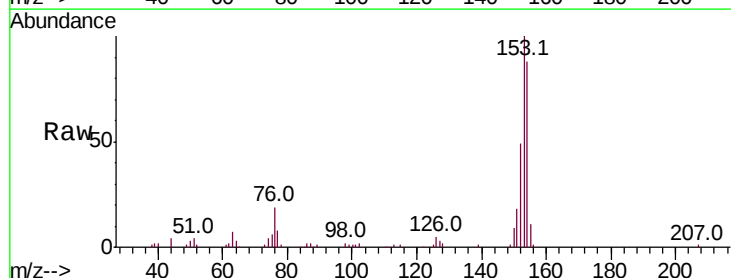
Tgt Ion:154 Resp: 118107

Ion Ratio Lower Upper

154 100

153 113.3 90.0 135.0

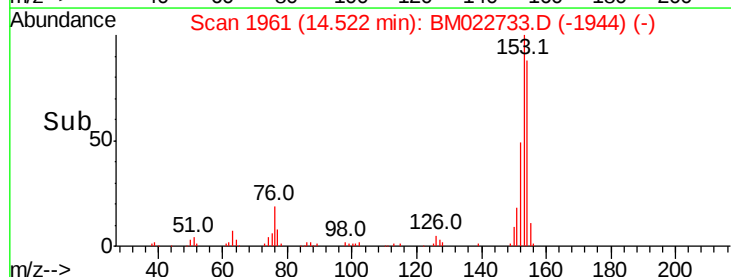
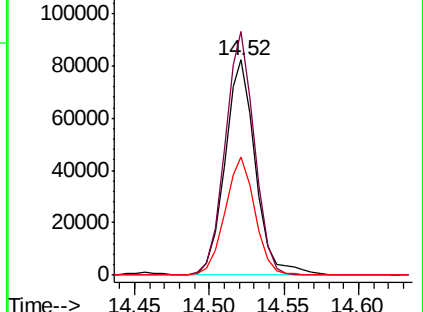
152 55.1 42.9 64.3

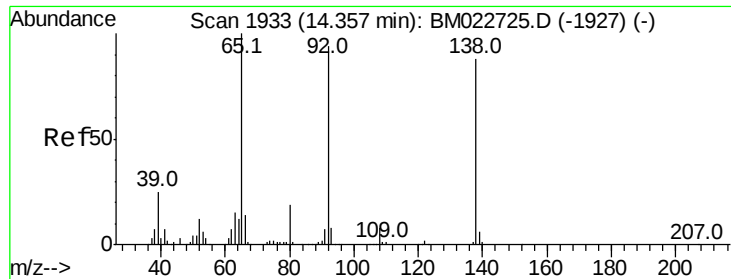


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

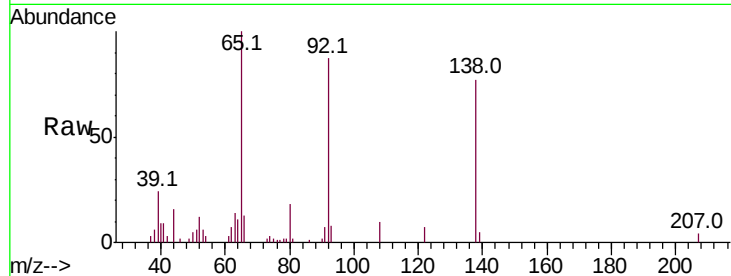




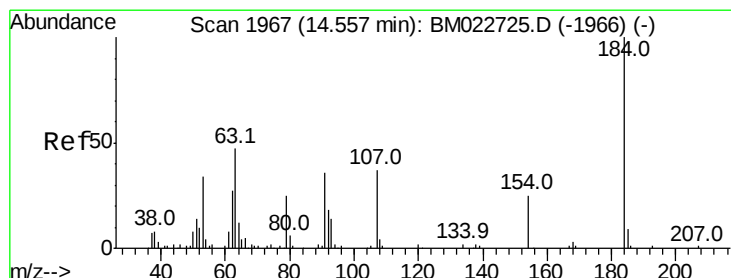
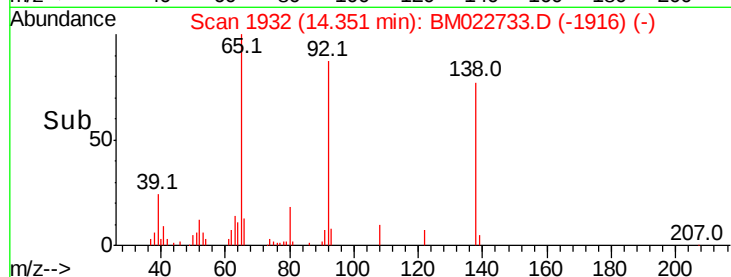
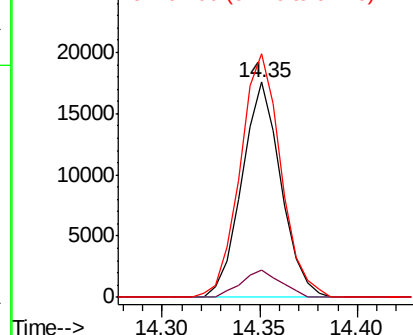
#53
3-Nitroaniline
Concen: 3.328 ng
RT: 14.35 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:138 Resp: 24434
Ion Ratio Lower Upper
138 100
108 12.6 7.3 10.9#
92 113.2 86.3 129.5

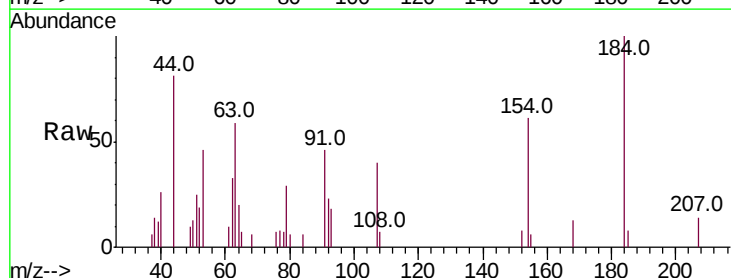


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BM

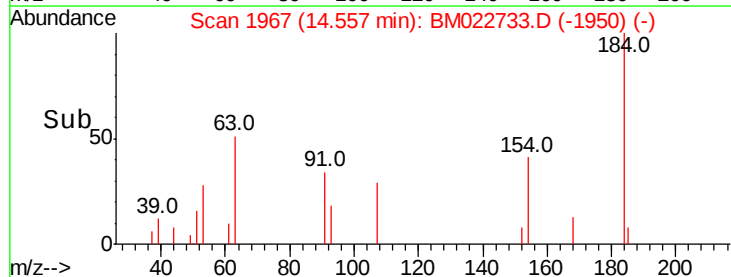
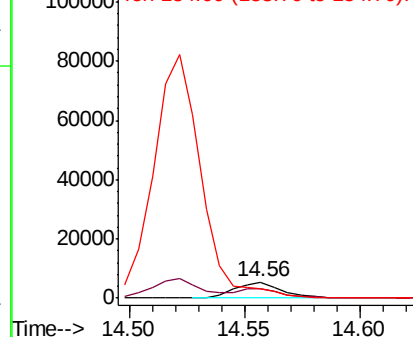


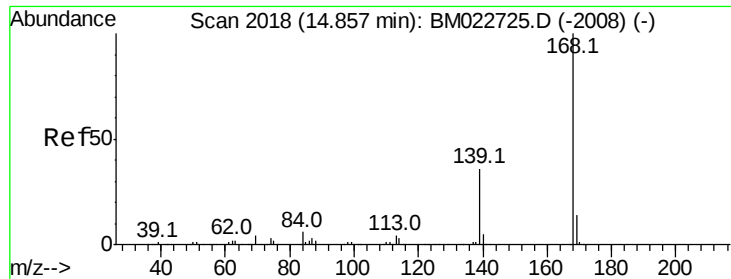
#54
2,4-Dinitrophenol
Concen: 8.889 ng
RT: 14.56 min Scan# 1967
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion:184 Resp: 7347
Ion Ratio Lower Upper
184 100
63 59.3 48.5 72.7
154 61.3 48.1 72.1



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





#55

Dibenzenofuran

Concen: 5.032 ng

RT: 14.86 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

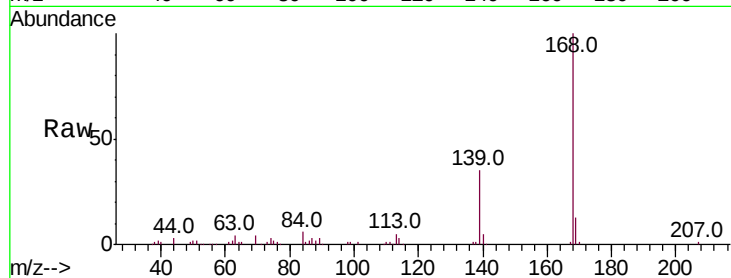
Tot Ion:168 Resp: 185187

Ion Ratio Lower Upper

168 100

139 35.5 28.8 43.2

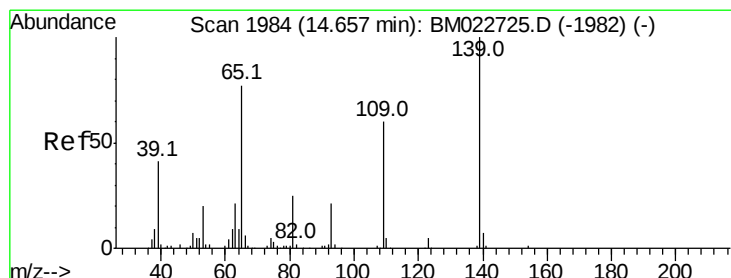
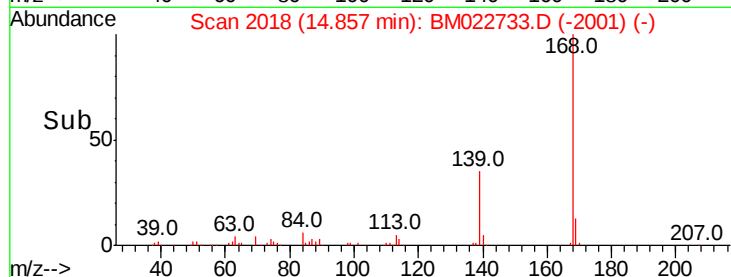
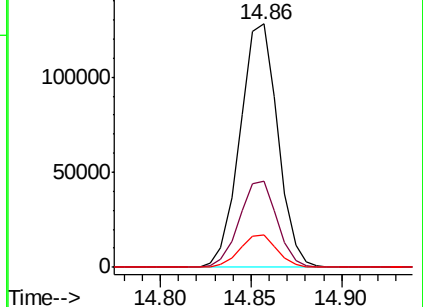
169 13.2 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 3.123 ng

RT: 14.65 min Scan# 1983

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

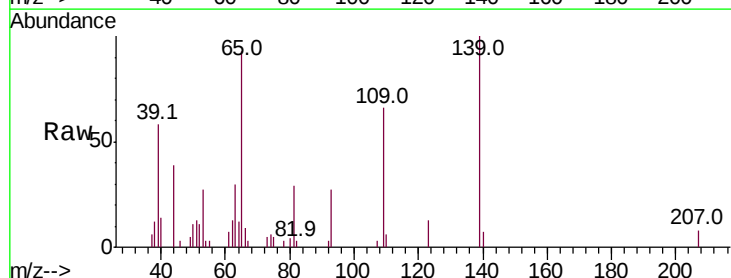
Tgt Ion:139 Resp: 17622

Ion Ratio Lower Upper

139 100

109 66.3 44.8 84.8

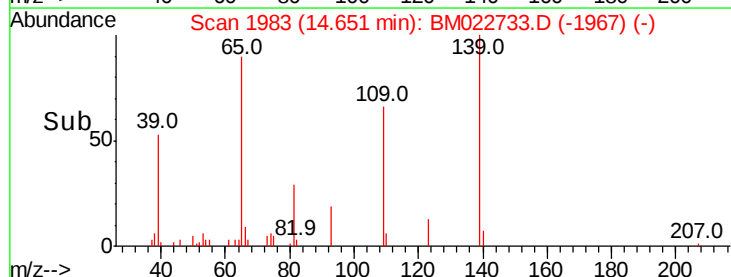
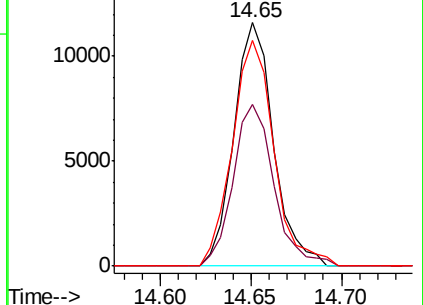
65 92.9 66.6 106.6

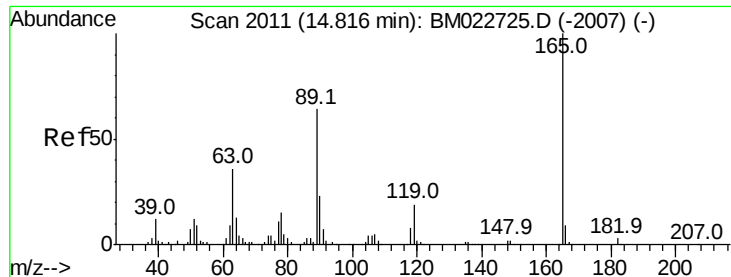


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E

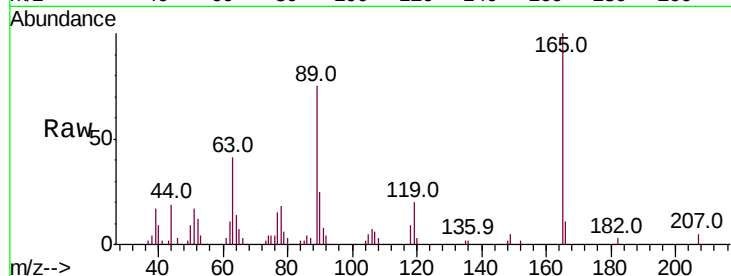




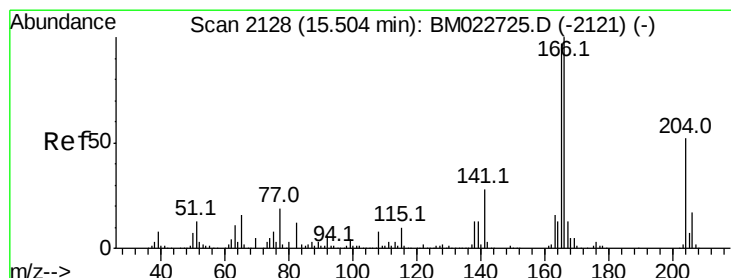
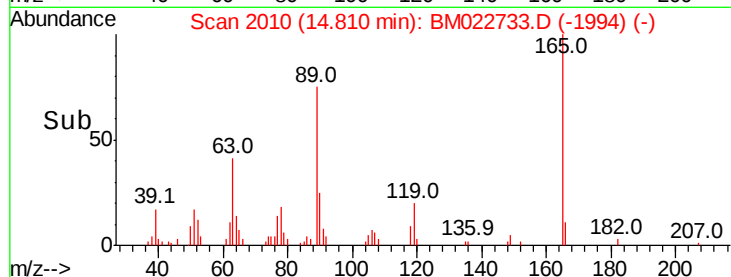
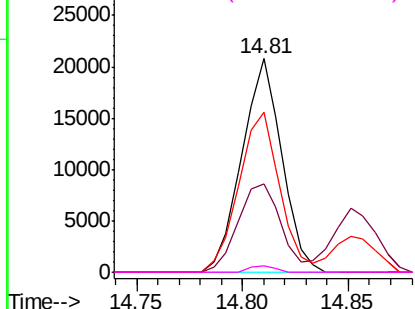
#57
2,4-Dinitrotoluene
Concen: 3.258 ng
RT: 14.81 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:165 Resp: 27214
Ion Ratio Lower Upper
165 100
63 41.5 30.1 45.1
89 75.1 52.5 78.7
182 3.0 2.2 3.4

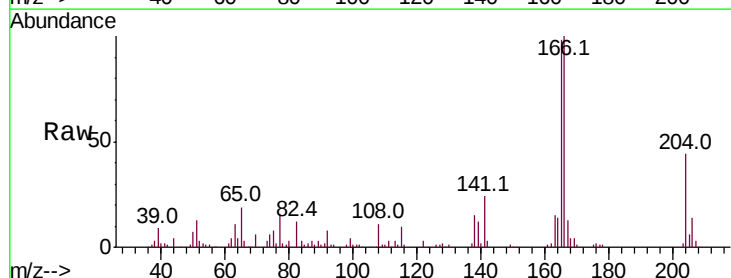


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BM
Ion 89.00 (88.70 to 89.70): BM
Ion 182.00 (181.70 to 182.70): E

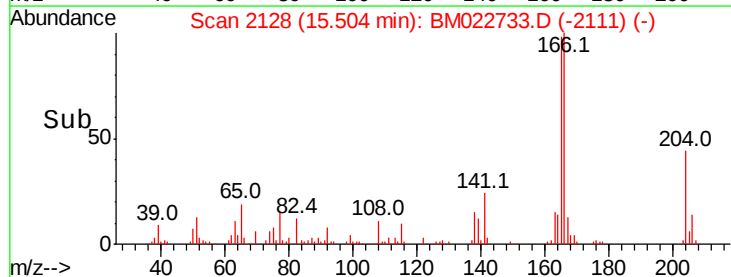
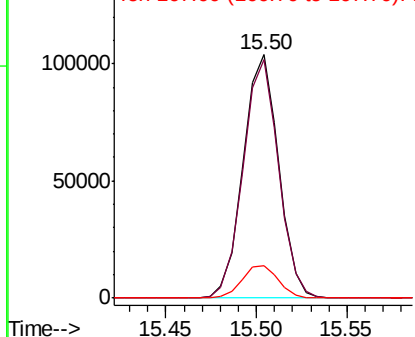


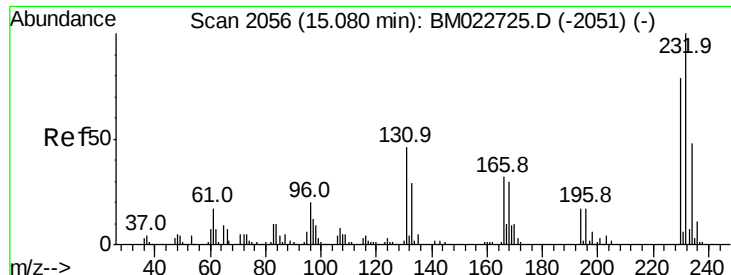
#58
Fluorene
Concen: 4.711 ng
RT: 15.50 min Scan# 2128
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion:166 Resp: 140902
Ion Ratio Lower Upper
166 100
165 98.0 77.6 116.4
167 13.2 10.8 16.2



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





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.887 ng

RT: 15.08 min Scan# 2056

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:232 Resp: 29143

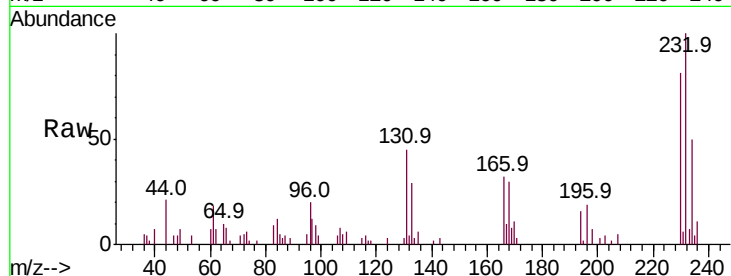
Ion Ratio Lower Upper

232 100

131 45.2 36.3 54.5

130 1.9 1.8 2.8

166 31.2 25.0 37.4

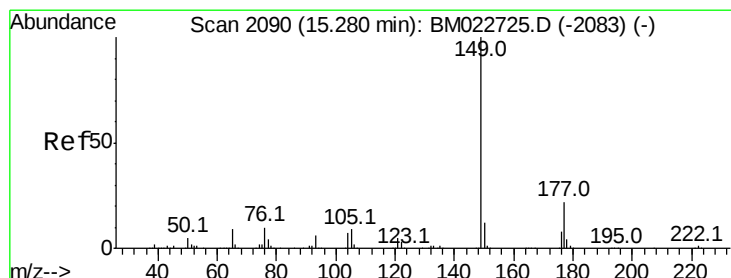
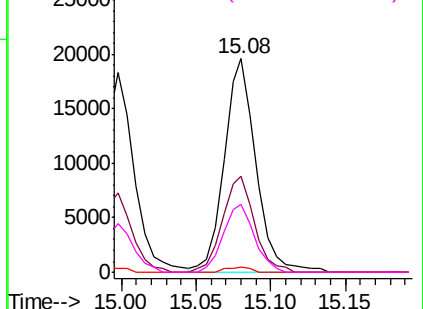
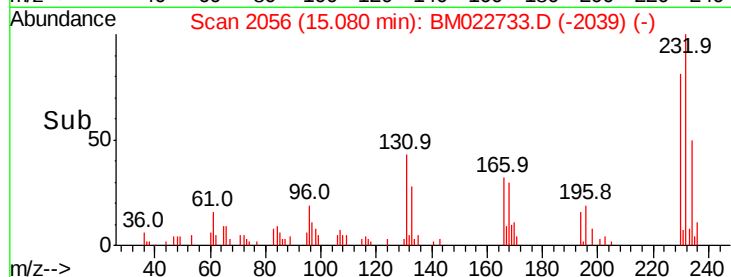


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 4.273 ng

RT: 15.27 min Scan# 2089

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

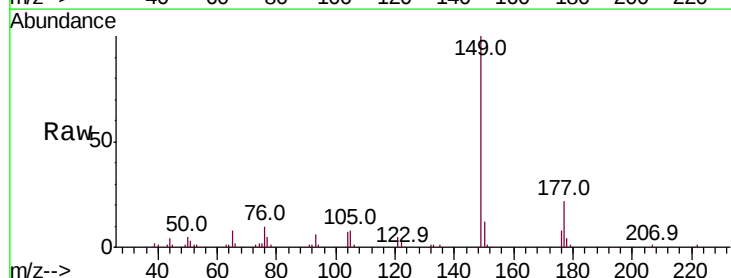
Tgt Ion:149 Resp: 126668

Ion Ratio Lower Upper

149 100

177 21.9 17.6 26.4

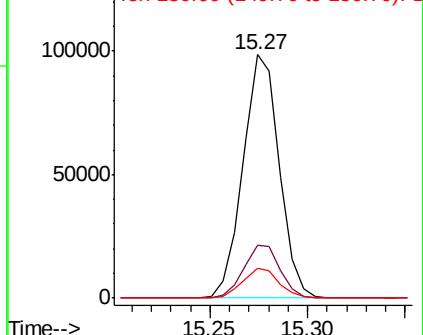
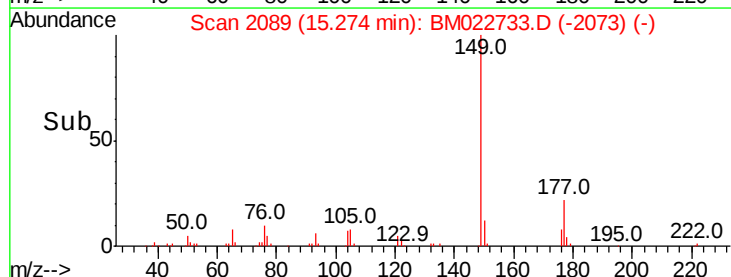
150 12.1 9.9 14.9

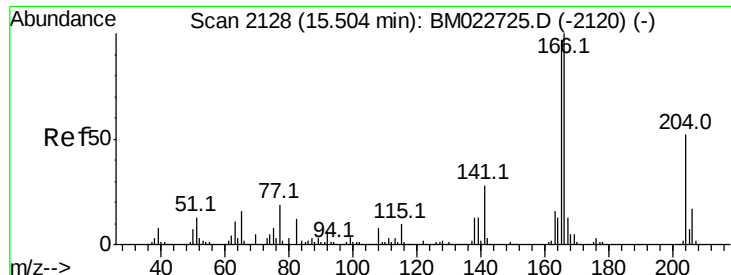


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

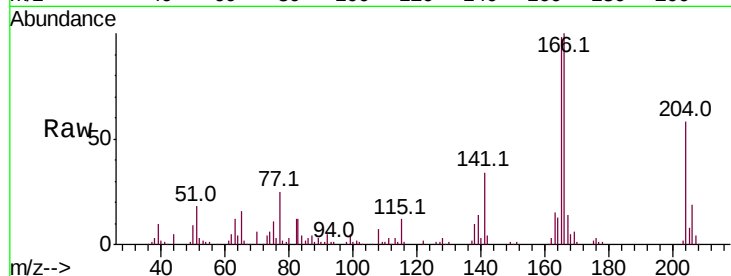




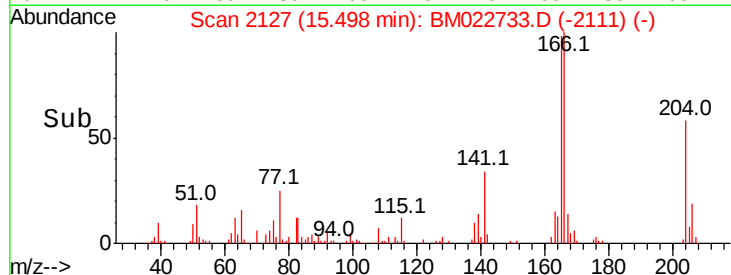
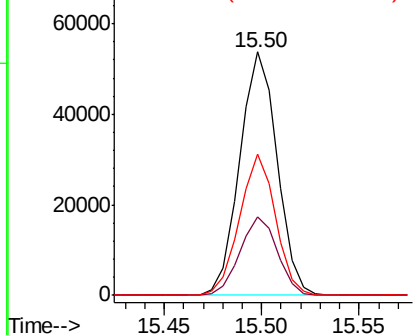
#61
 4-Chlorophenyl-phenylether
 Concen: 4.640 ng
 RT: 15.50 min Scan# 2127
 Delta R.T. -0.01 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion:204 Resp: 71300
 Ion Ratio Lower Upper
 204 100
 206 32.1 26.2 39.4
 141 58.0 42.6 64.0

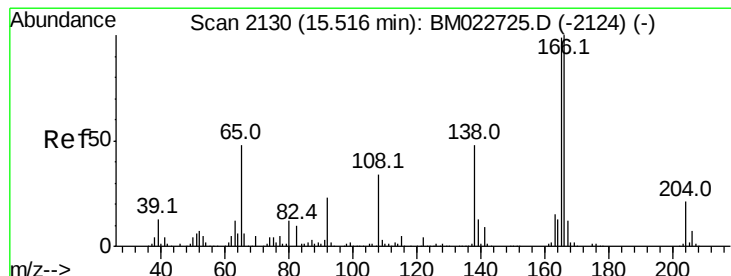


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

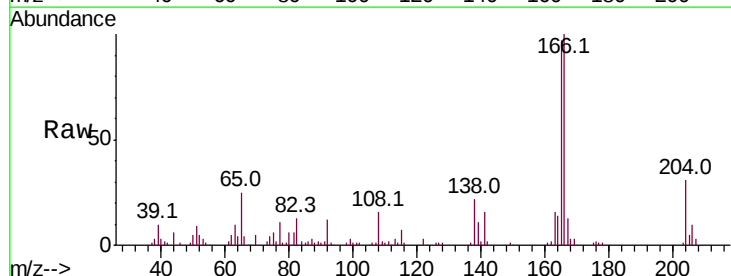
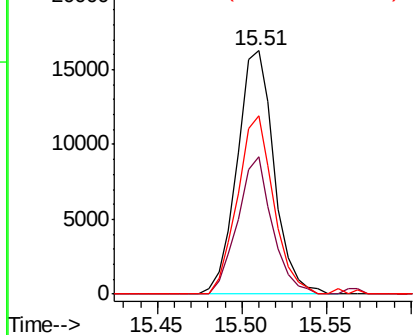


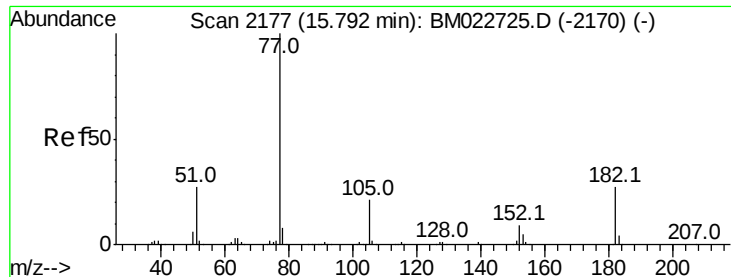
#62
 4-Nitroaniline
 Concen: 3.215 ng
 RT: 15.51 min Scan# 2129
 Delta R.T. -0.01 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Tgt Ion:138 Resp: 24741
 Ion Ratio Lower Upper
 138 100
 92 56.4 28.7 68.7
 108 73.1 50.3 90.3



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

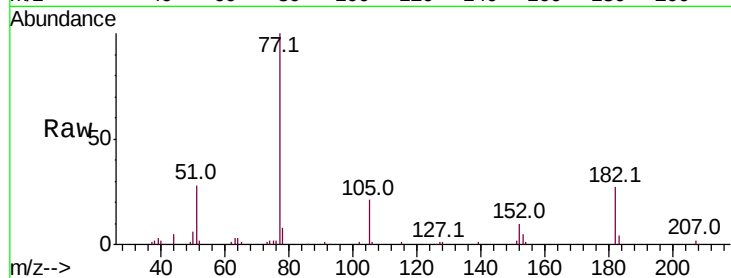




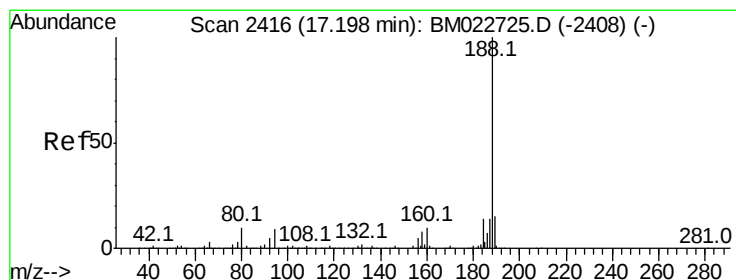
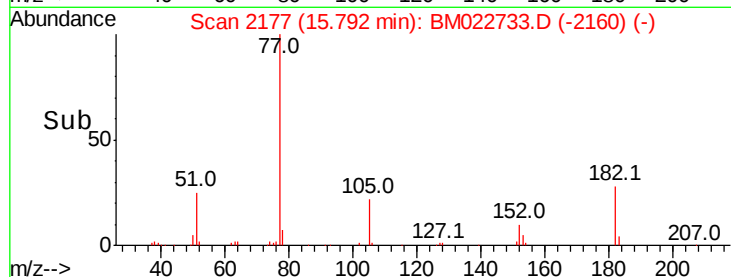
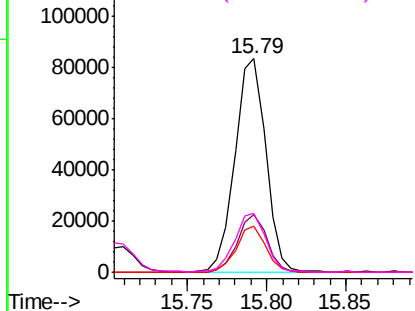
#63
Azobenzene
Concen: 4.214 ng
RT: 15.79 min Scan# 2177
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 77 Resp: 112814
Ion Ratio Lower Upper
77 100
182 27.1 7.0 47.0
105 21.3 0.9 40.9
51 27.5 6.6 46.6

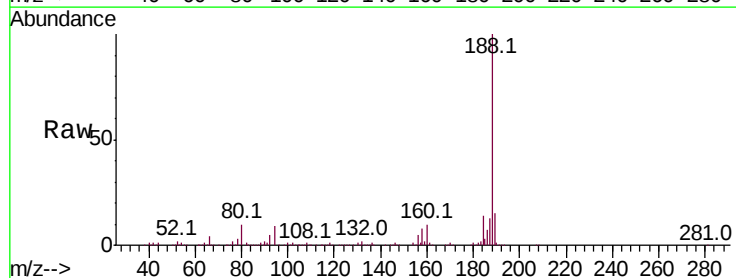


Abundance Ion 77.00 (76.70 to 77.70): BM0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BM0

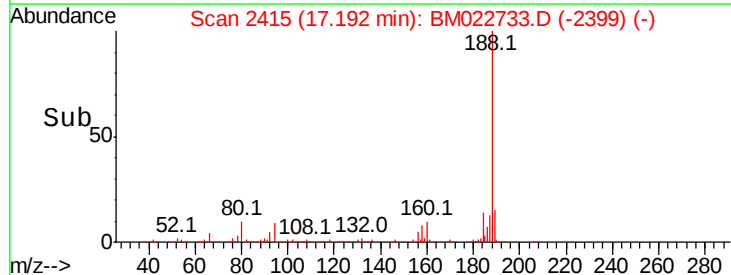
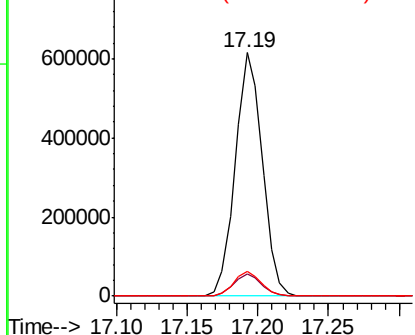


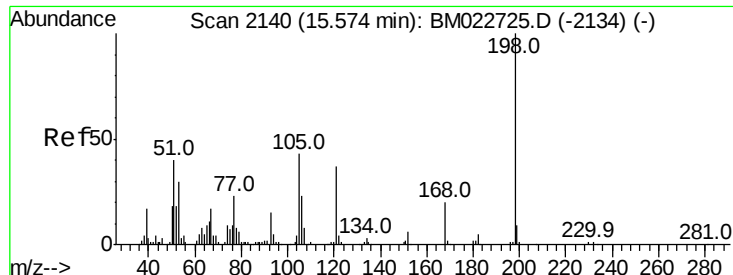
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion: 188 Resp: 823053
Ion Ratio Lower Upper
188 100
94 9.3 7.3 10.9
80 10.4 7.8 11.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0

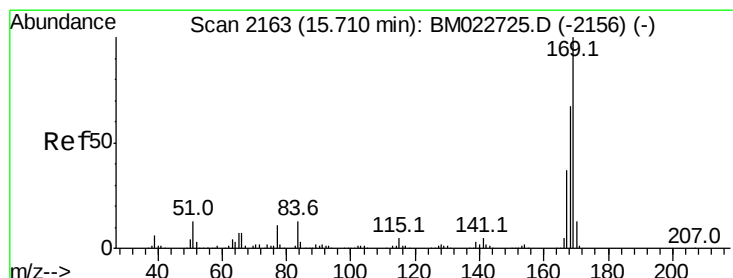
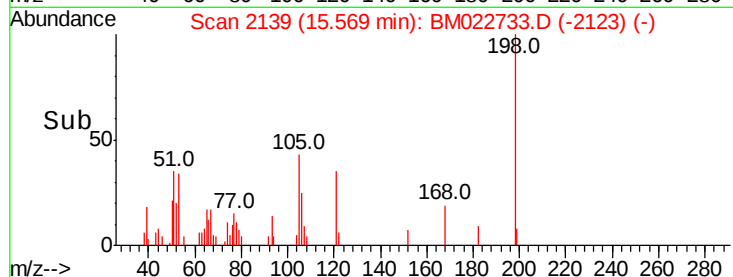
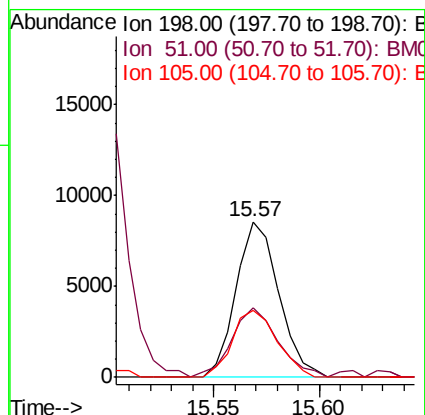
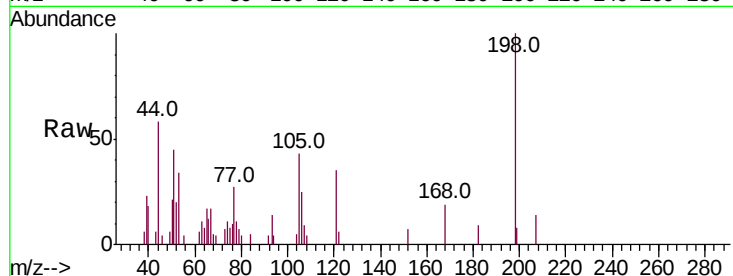




#65
 4,6-Dinitro-2-methylphenol
 Concen: 9.168 ng
 RT: 15.57 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

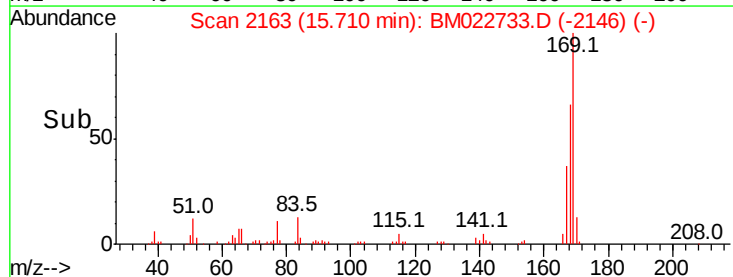
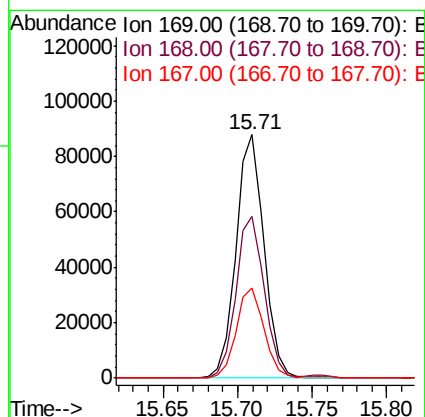
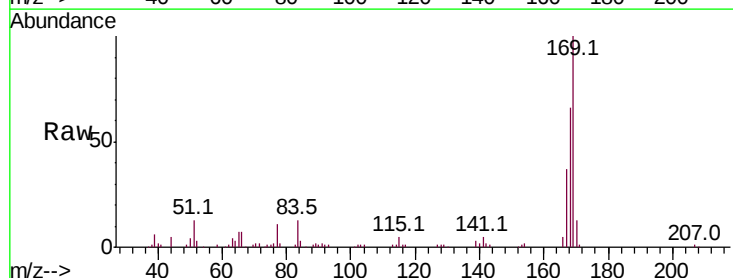
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

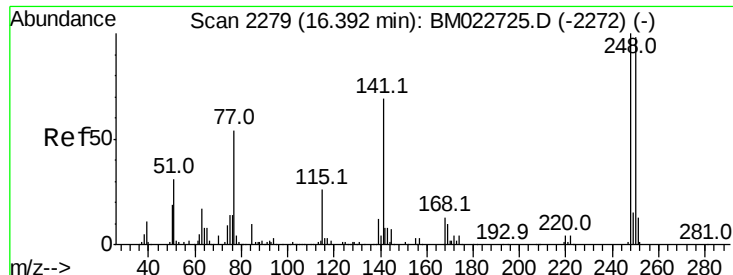
Tot Ion	Ratio	Lower	Upper
198	100		
51	44.9	21.0	61.0
105	43.4	22.5	62.5



#66
 n-Nitrosodiphenylamine
 Concen: 4.576 ng
 RT: 15.71 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.4	80.2
167	36.8	29.3	43.9

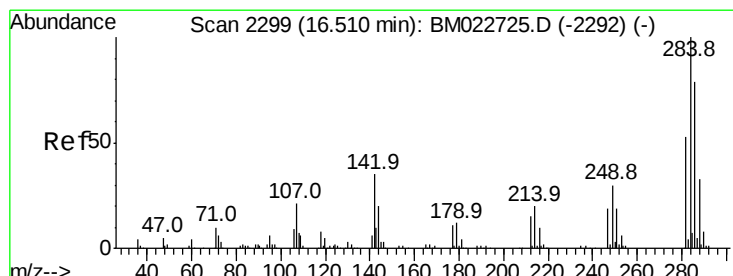
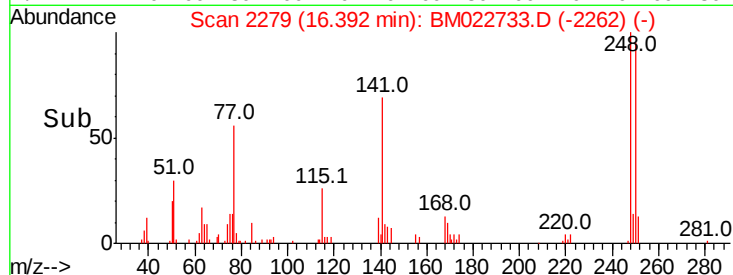
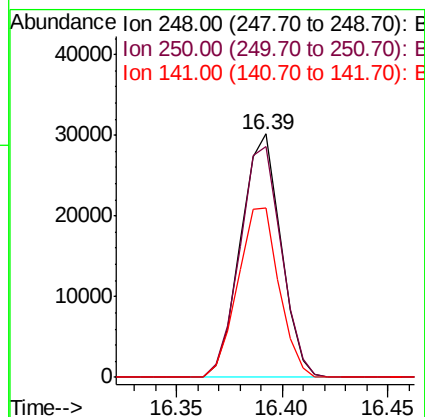
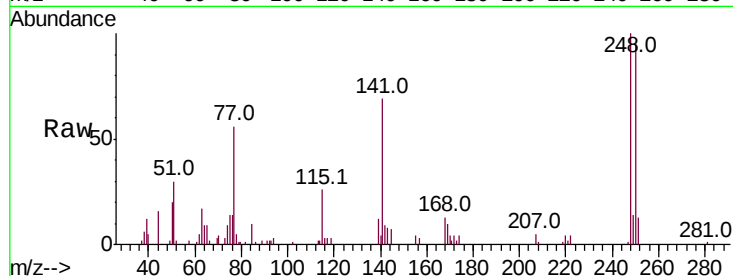




#67
4-Bromophenyl-phenylether
Concen: 4.344 ng
RT: 16.39 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

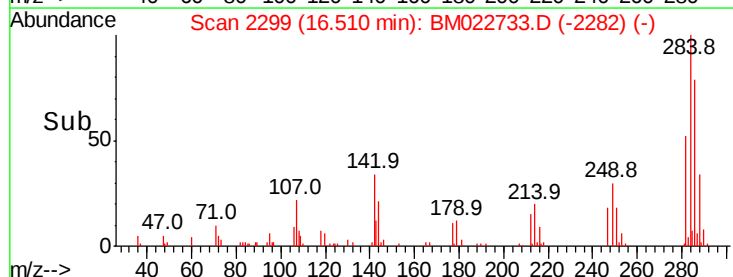
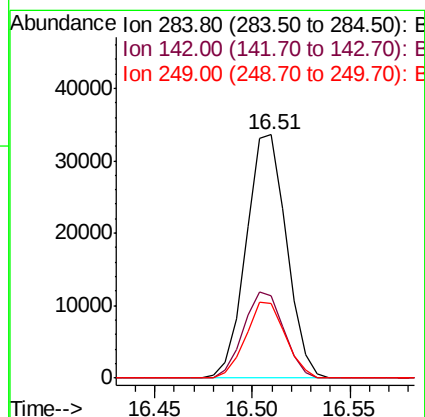
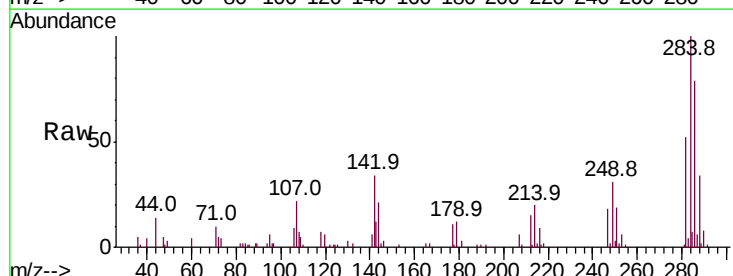
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

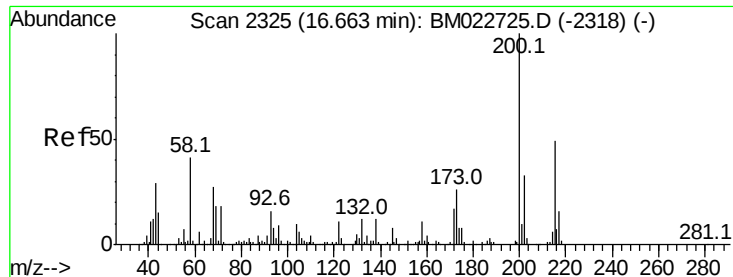
Tot Ion:248 Resp: 39768
Ion Ratio Lower Upper
248 100
250 95.0 78.4 117.6
141 69.4 55.1 82.7



#68
Hexachlorobenzene
Concen: 4.504 ng
RT: 16.51 min Scan# 2299
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion:284 Resp: 48083
Ion Ratio Lower Upper
284 100
142 33.7 27.8 41.8
249 30.6 24.4 36.6

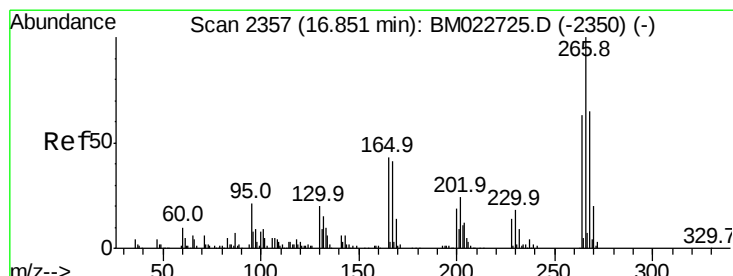
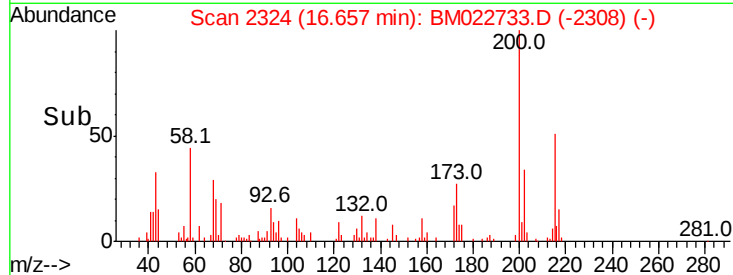
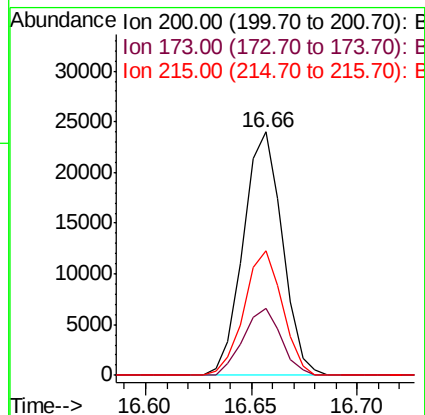
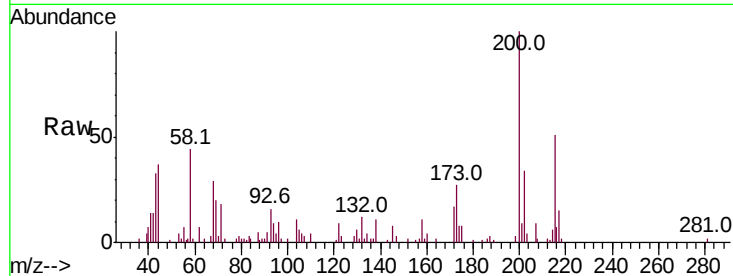




#69
Atrazine
Concen: 3.768 ng
RT: 16.66 min Scan# 2324
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

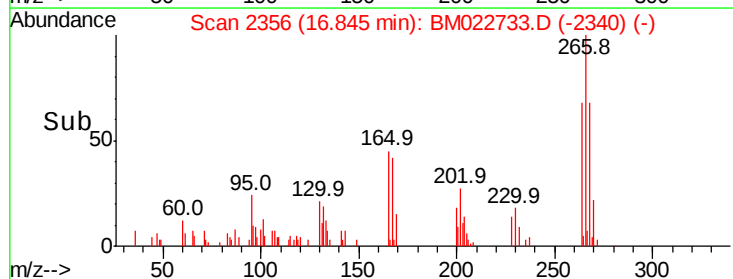
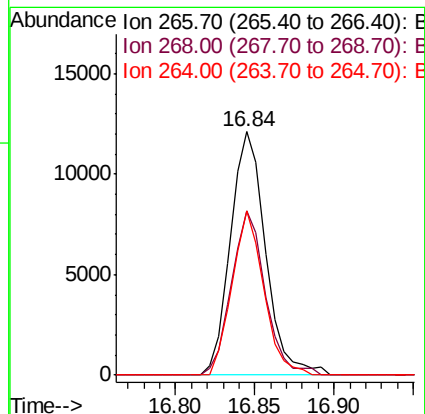
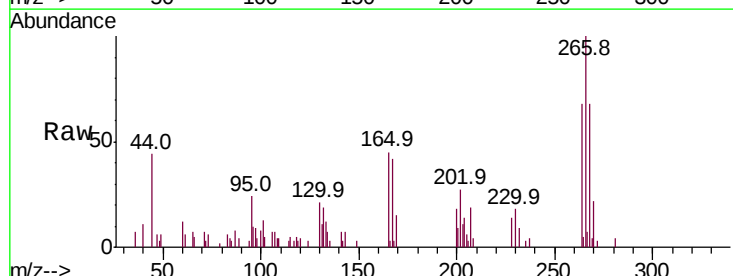
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

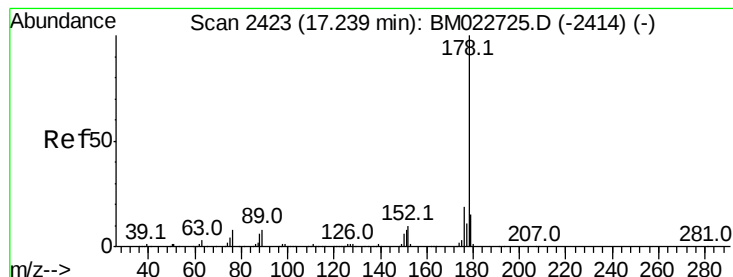
Tot Ion:200 Resp: 30800
Ion Ratio Lower Upper
200 100
173 27.3 5.8 45.8
215 51.4 29.2 69.2



#70
Pentachlorophenol
Concen: 3.271 ng
RT: 16.84 min Scan# 2356
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion:266 Resp: 18623
Ion Ratio Lower Upper
266 100
268 67.5 51.8 77.6
264 67.6 50.2 75.4





#71

Phenanthrene

Concen: 4.836 ng

RT: 17.23 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

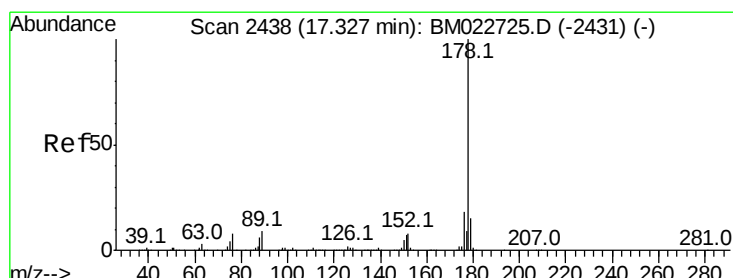
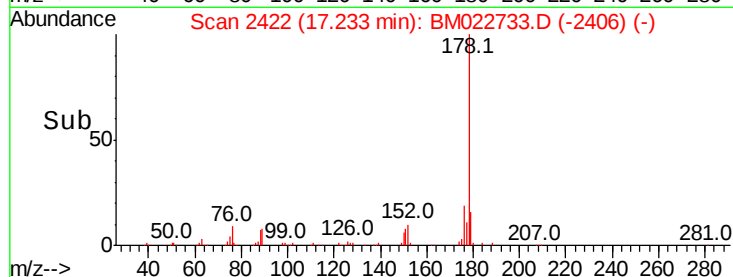
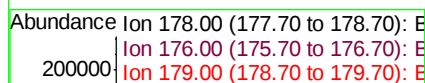
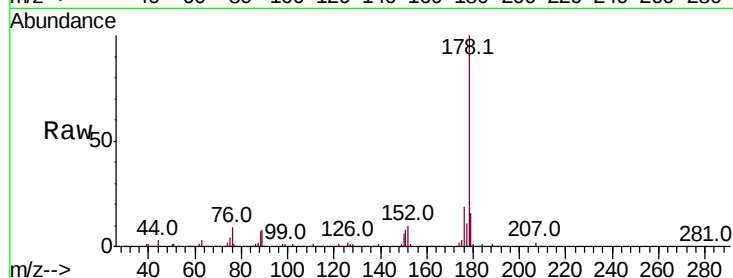
Tot Ion:178 Resp: 224597

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 15.6 12.3 18.5



#72

Anthracene

Concen: 4.502 ng

RT: 17.33 min Scan# 2438

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

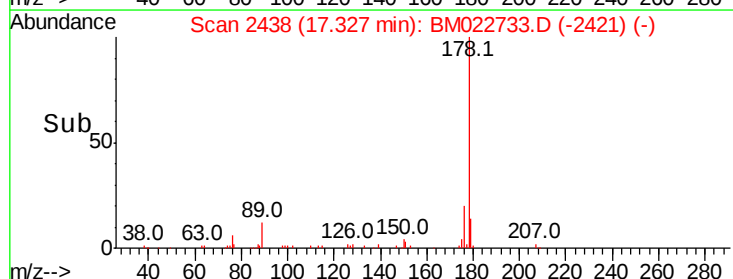
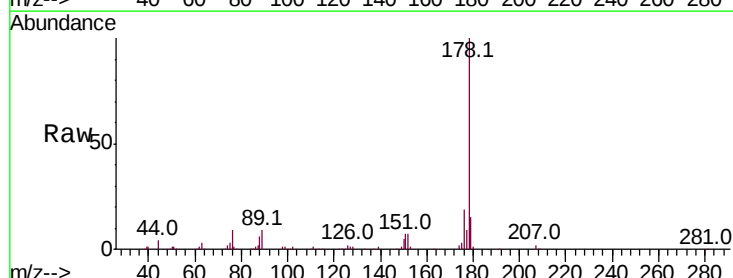
Tgt Ion:178 Resp: 202652

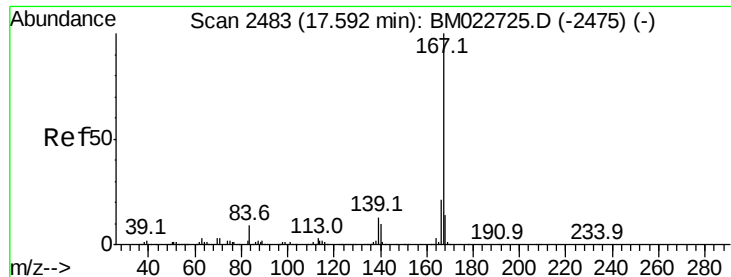
Ion Ratio Lower Upper

178 100

176 19.0 14.7 22.1

179 15.2 12.2 18.4

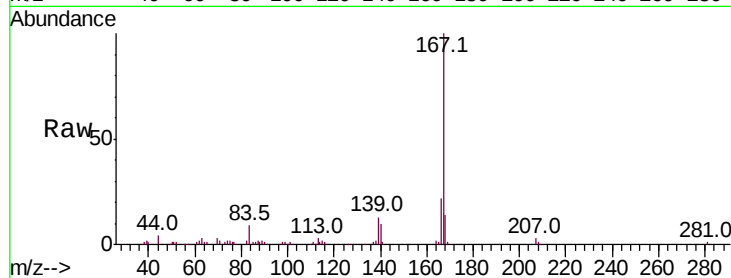




#73
 Carbazole
 Concen: 4.310 ng
 RT: 17.59 min Scan# 2483
 Delta R.T. 0.00 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.4
139	12.8	10.1	15.1

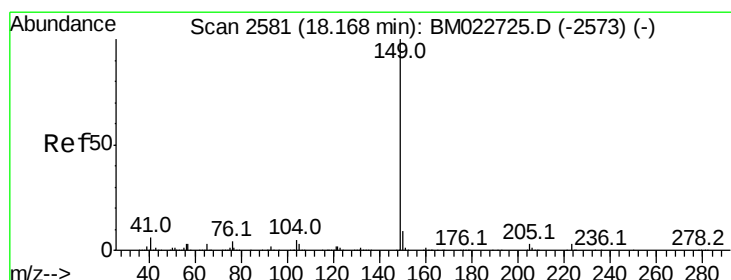
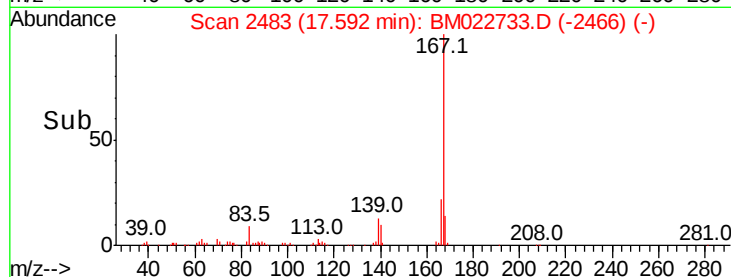
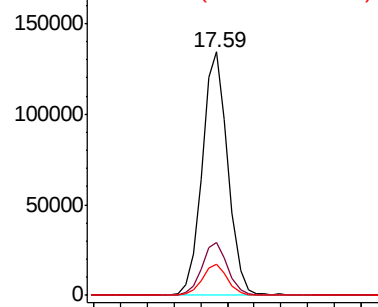


Abundance

Ion 167.00 (166.70 to 167.70): E

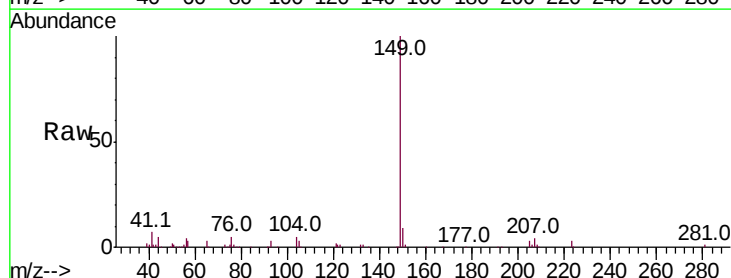
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74
 Di-n-butylphthalate
 Concen: 3.400 ng
 RT: 18.16 min Scan# 2580
 Delta R.T. -0.01 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	4.8	3.8	5.6

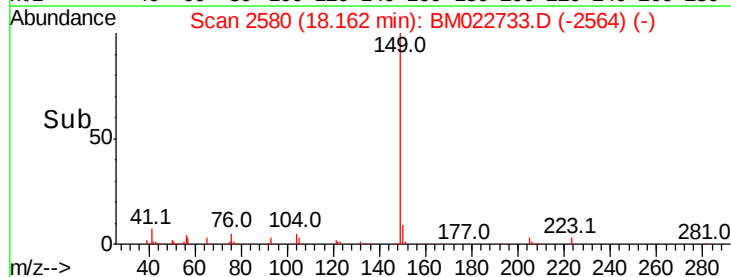
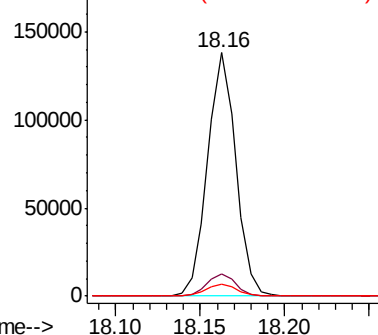


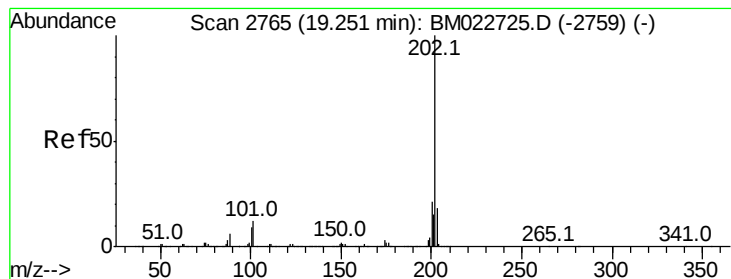
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 4.354 ng

RT: 19.25 min Scan# 2765

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

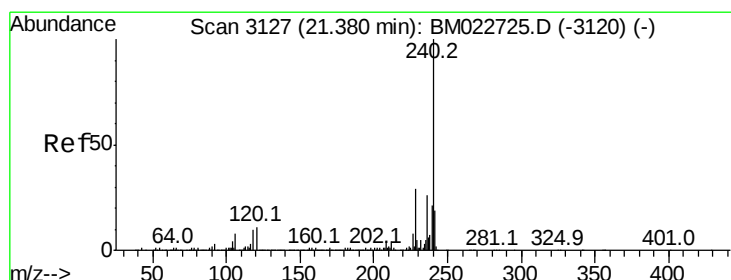
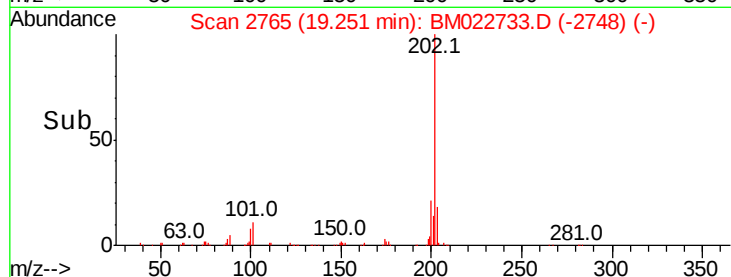
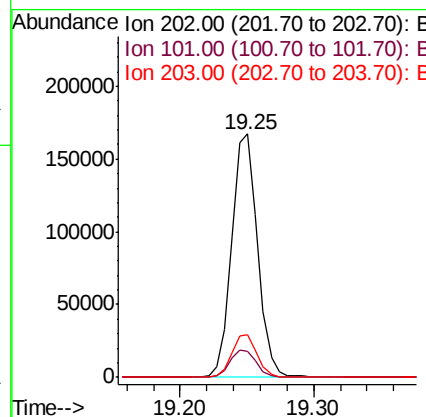
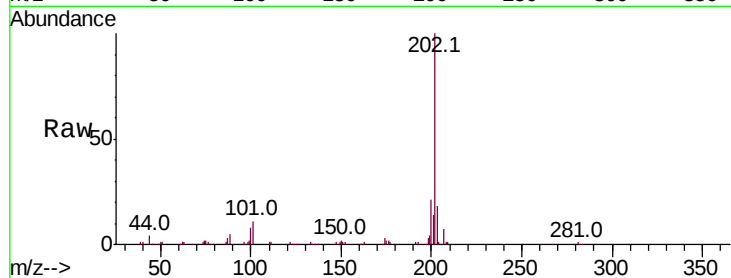
Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	202	Resp:	228162
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	32.1
203	17.7	0.0	37.7



#76

Chrysene-d12

Concen: 20.000 ng

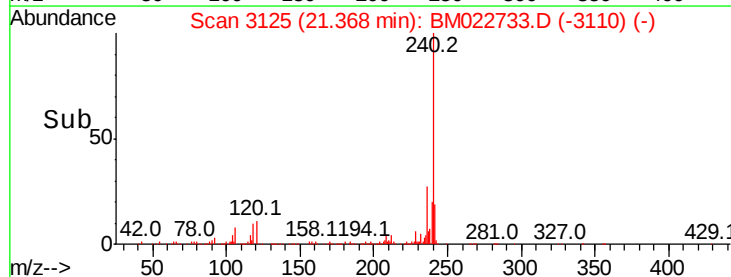
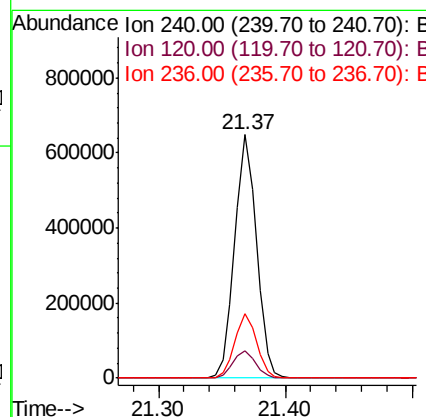
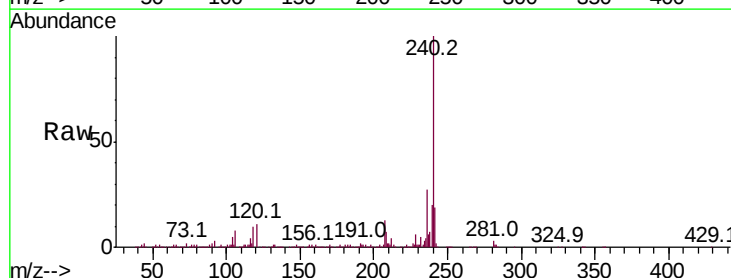
RT: 21.37 min Scan# 3125

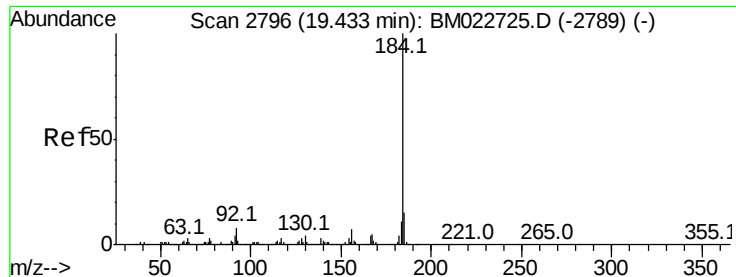
Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Tgt Ion:	240	Resp:	772049
Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.8	13.2
236	26.7	20.8	31.2





#77

Benzidine

Concen: 3.366 ng

RT: 19.43 min Scan# 2795

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

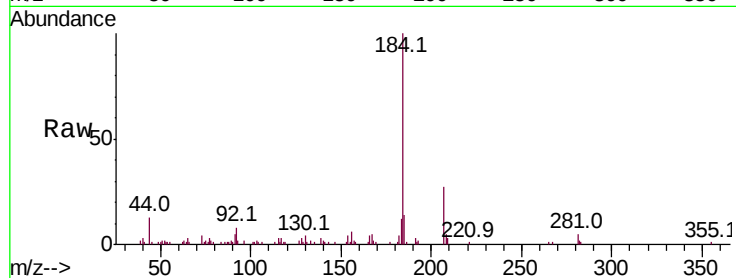
BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:184 Resp: 71287

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.6	17.4
183	11.5	9.1	13.7

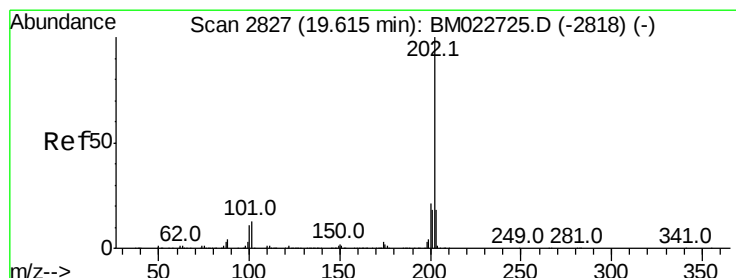
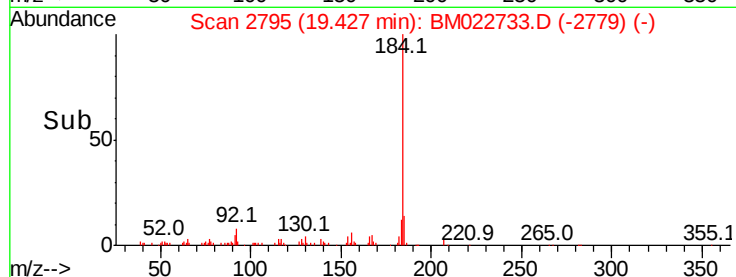
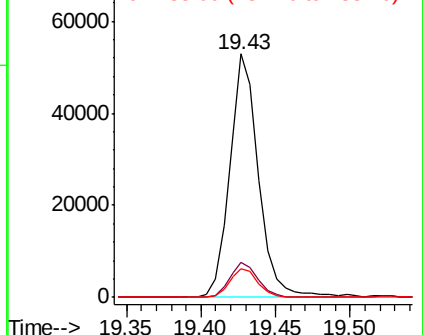


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 4.805 ng

RT: 19.61 min Scan# 2826

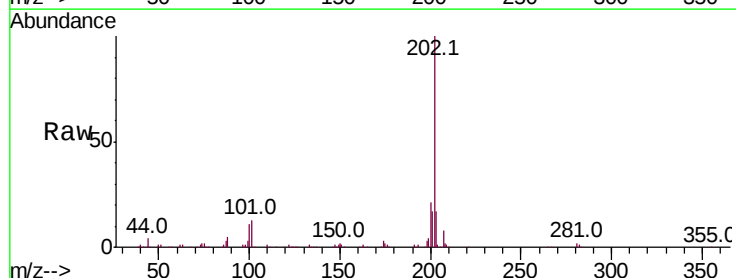
Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Tgt Ion:202 Resp: 243105

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.3	14.1	21.1

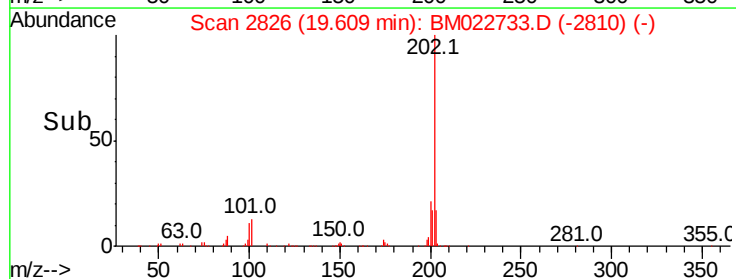
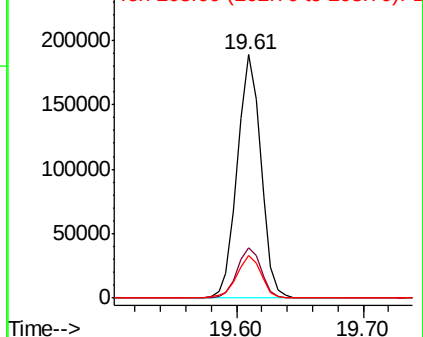


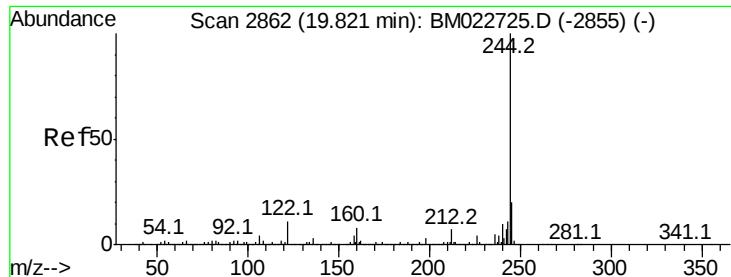
Abundance

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: 80.959 ng

RT: 19.82 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

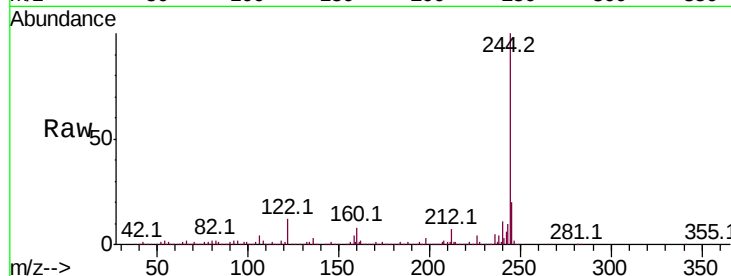
Tot Ion:244 Resp: 3227908

Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

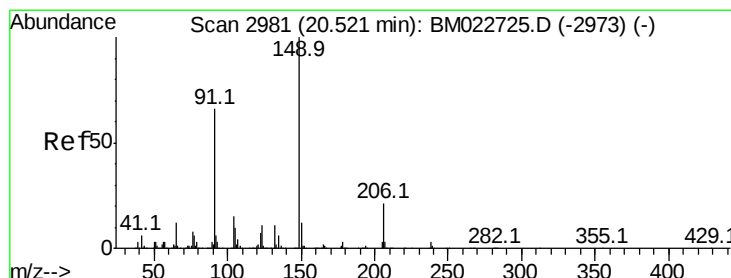
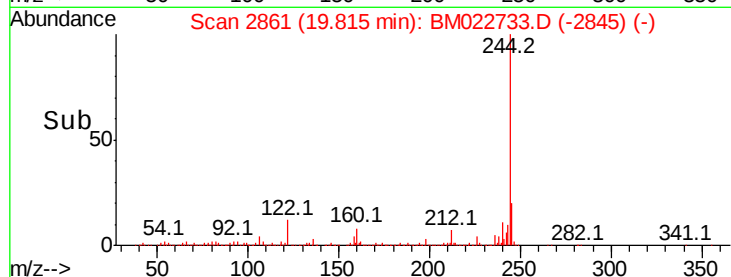
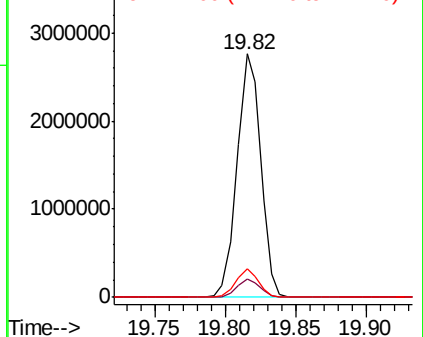
122 11.5 9.0 13.4



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: 3.100 ng

RT: 20.51 min Scan# 2979

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

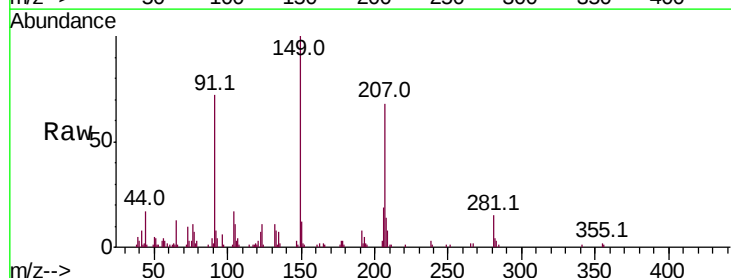
Tgt Ion:149 Resp: 59605

Ion Ratio Lower Upper

149 100

91 72.1 53.0 79.4

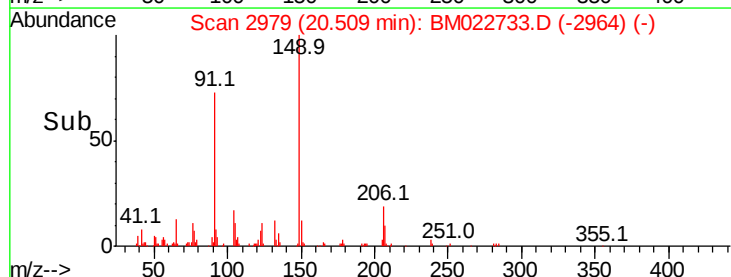
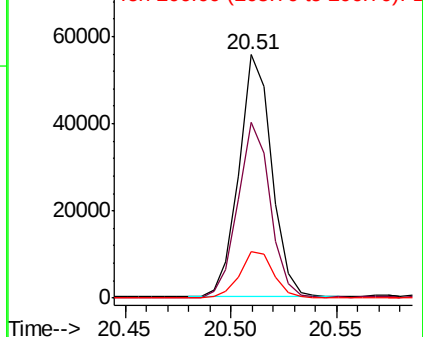
206 19.0 16.9 25.3

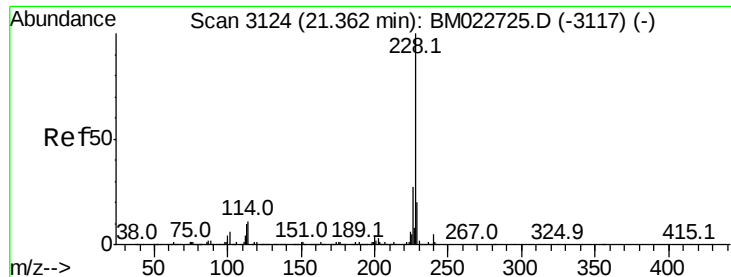


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

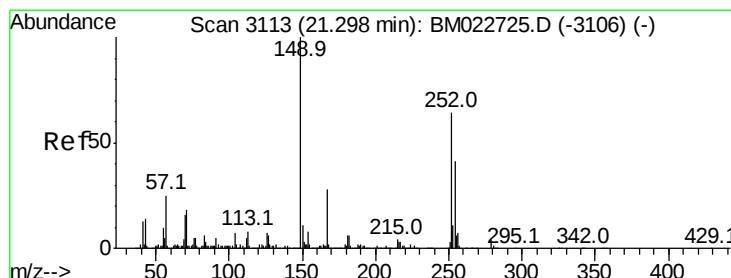
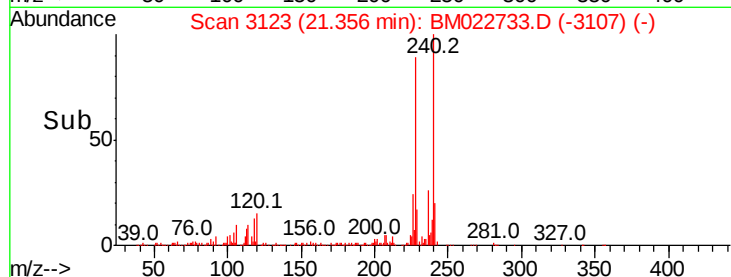
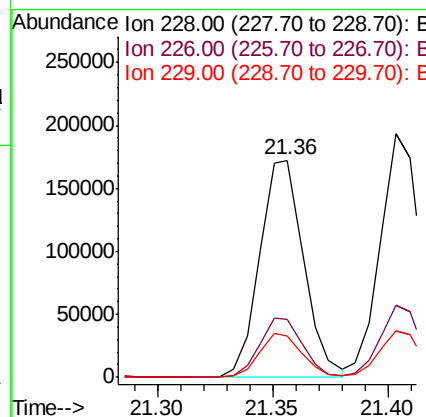
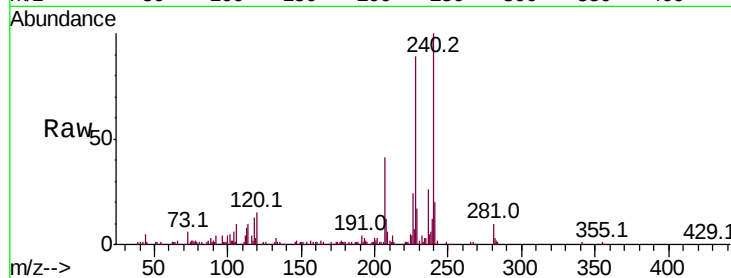




#81
Benzo(a)anthracene
Concen: 4.567 ng
RT: 21.36 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

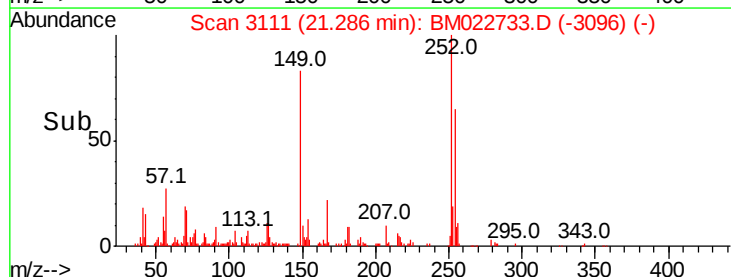
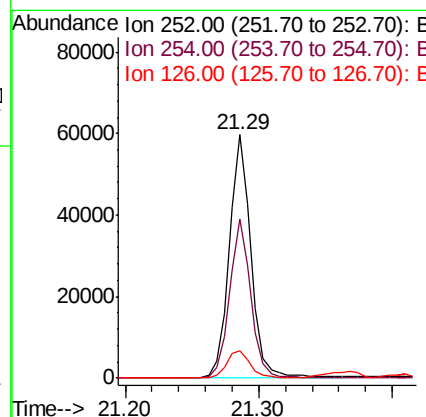
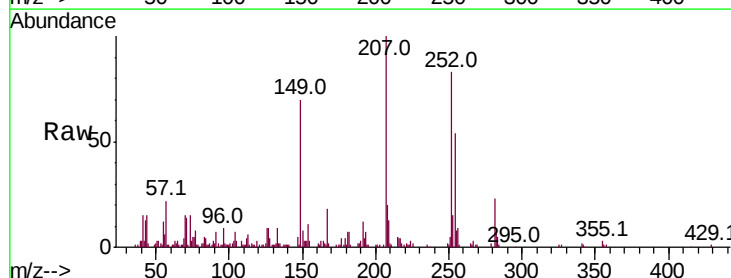
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

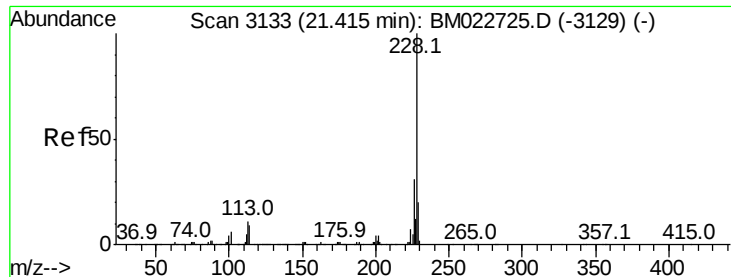
Tot Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.0	33.0
229	19.2	15.9	23.9



#82
3,3'-Dichlorobenzidine
Concen: 3.866 ng
RT: 21.29 min Scan# 3111
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.4	51.7	77.5
126	11.2	8.3	12.5

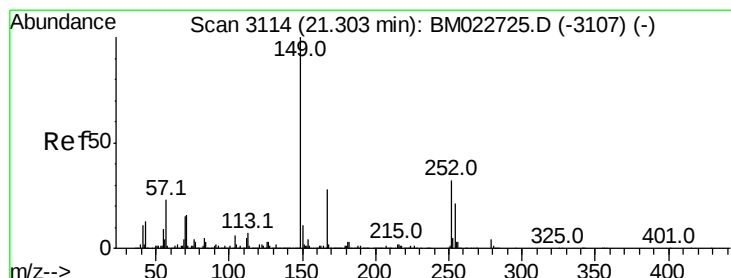
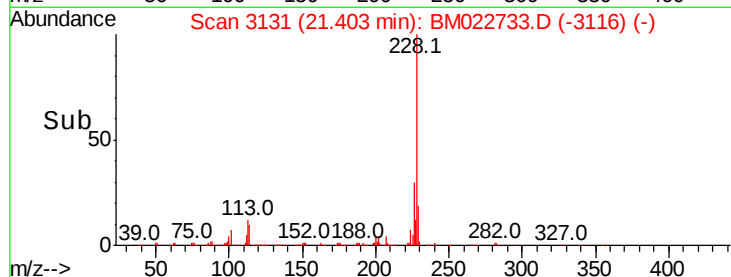
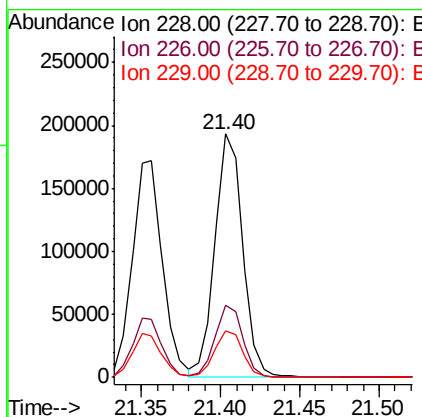
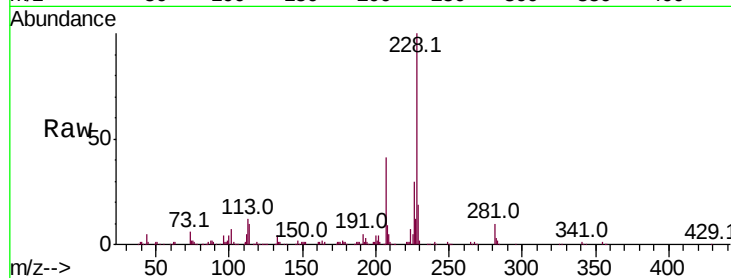




#83
 Chrvsene
 Concen: 4.841 ng
 RT: 21.40 min Scan# 3131
 Delta R.T. -0.01 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

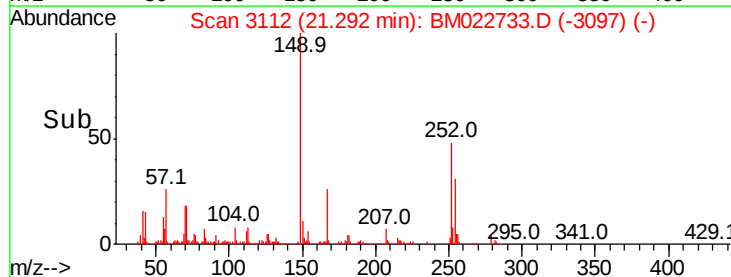
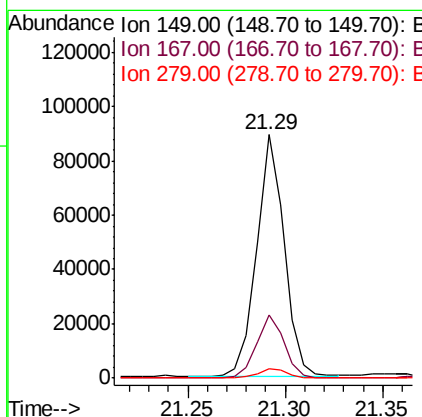
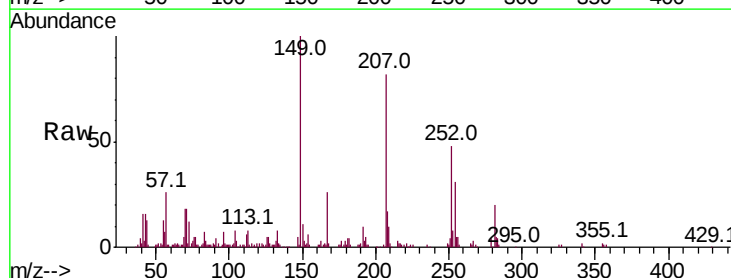
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

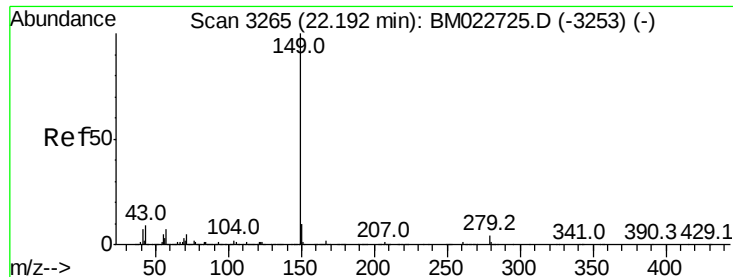
Tot Ion:228 Resp: 234827
 Ion Ratio Lower Upper
 228 100
 226 29.7 24.5 36.7
 229 19.4 15.9 23.9



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.020 ng
 RT: 21.29 min Scan# 3112
 Delta R.T. -0.01 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Tgt Ion:149 Resp: 86053
 Ion Ratio Lower Upper
 149 100
 167 25.9 22.1 33.1
 279 3.9 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 2.779 ng

RT: 22.18 min Scan# 3263

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

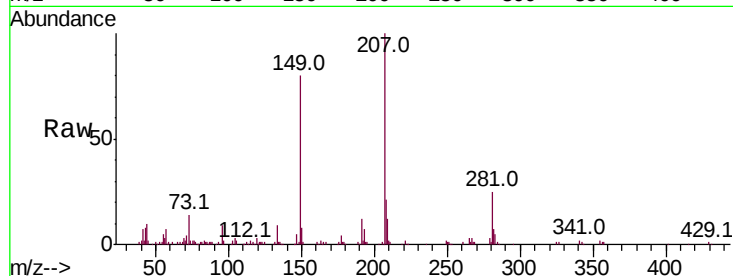
Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

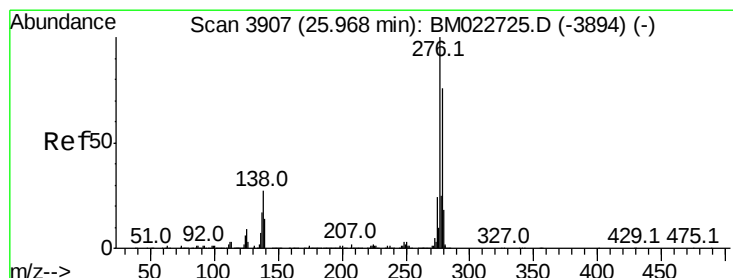
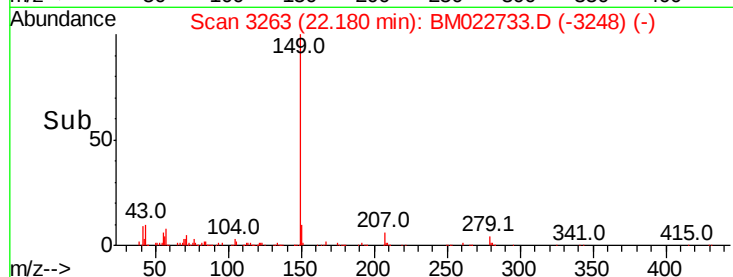
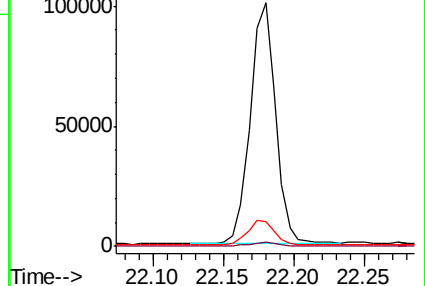
Tot Ion:	149	Resp:	126197
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.3	1.9
43	11.4	7.4	11.0#



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: 4.262 ng

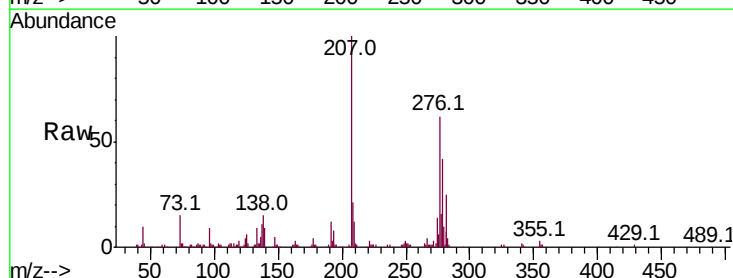
RT: 25.94 min Scan# 3903

Delta R.T. -0.02 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

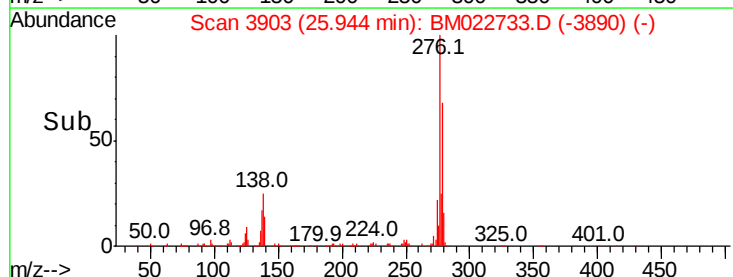
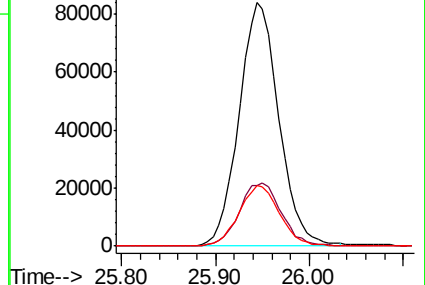
Tgt Ion:	276	Resp:	246780
Ion Ratio	Lower	Upper	
276	100		
138	27.2	0.0	0.0#
277	25.4	0.0	0.0#

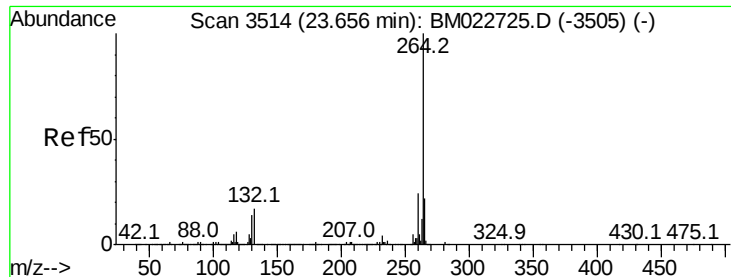


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.64 min Scan# 3511

Delta R.T. -0.02 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

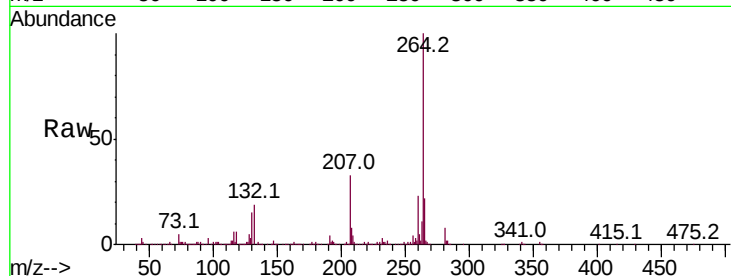
Tot Ion:264 Resp: 804622

Ion Ratio Lower Upper

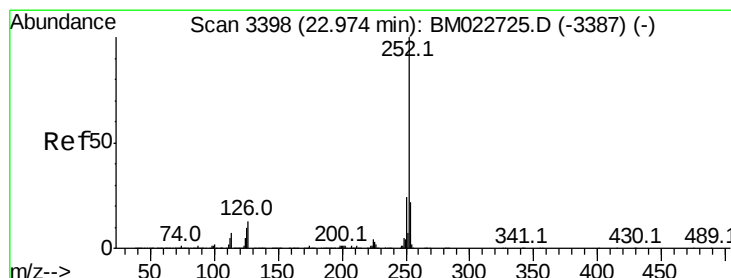
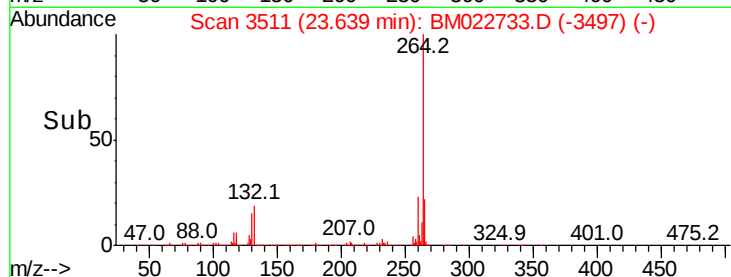
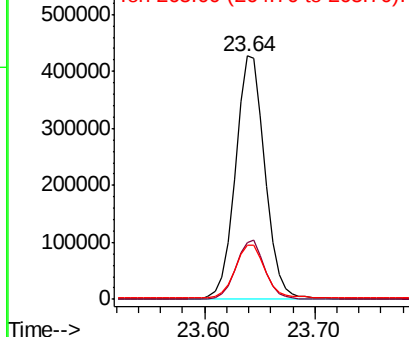
264 100

260 23.4 19.1 28.7

265 22.5 17.9 26.9



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: 4.656 ng

RT: 22.96 min Scan# 3395

Delta R.T. -0.02 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

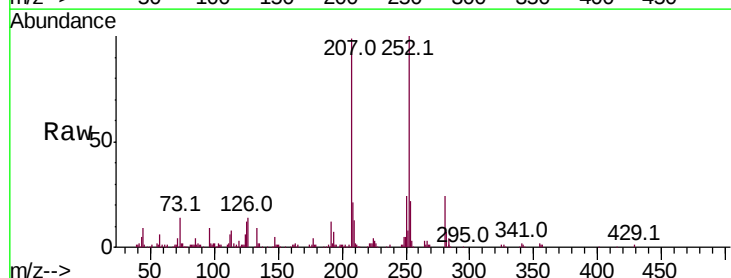
Tgt Ion:252 Resp: 226829

Ion Ratio Lower Upper

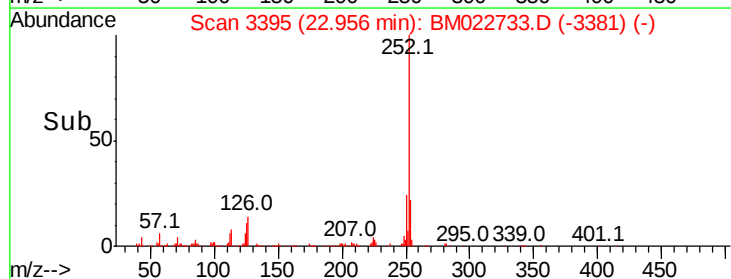
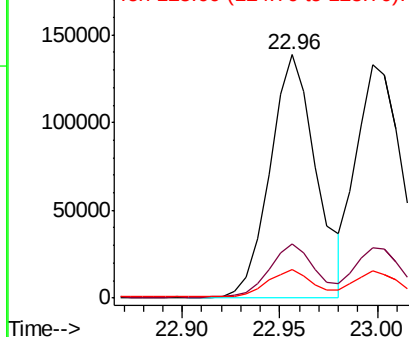
252 100

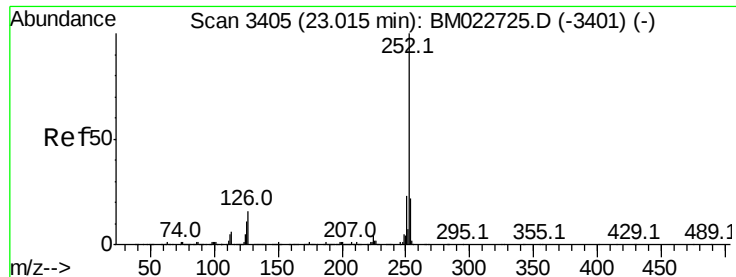
253 22.3 17.7 26.5

125 11.9 8.2 12.4



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: 4.415 ng

RT: 23.00 min Scan# 3402

Delta R.T. -0.02 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

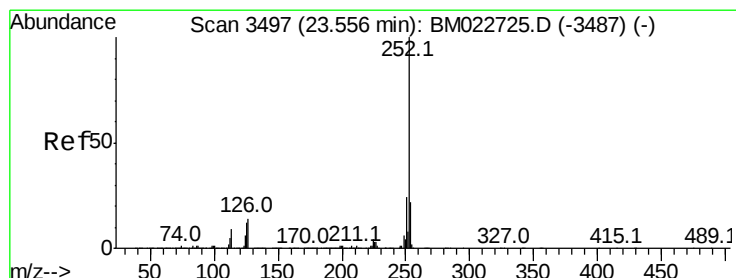
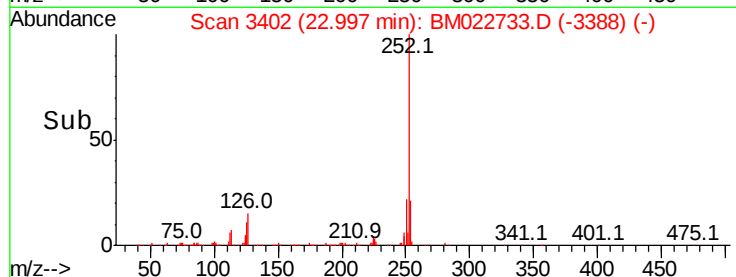
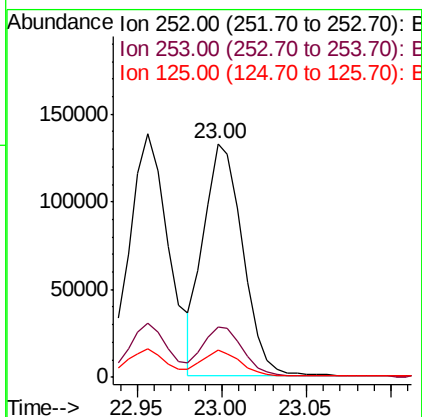
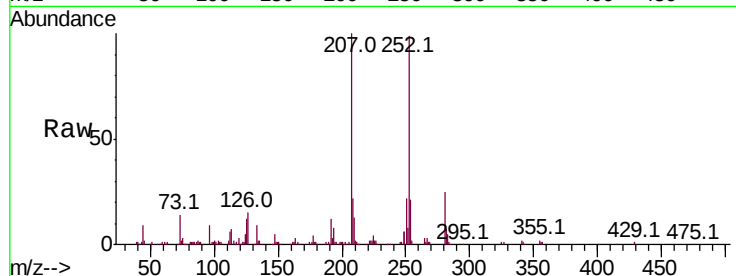
Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:252	Resp:	213437
Ion Ratio	Lower	Upper
252	100	
253	21.5	17.7 26.5
125	11.7	8.5 12.7



#90

Benzo(a)pyrene

Concen: 4.486 ng

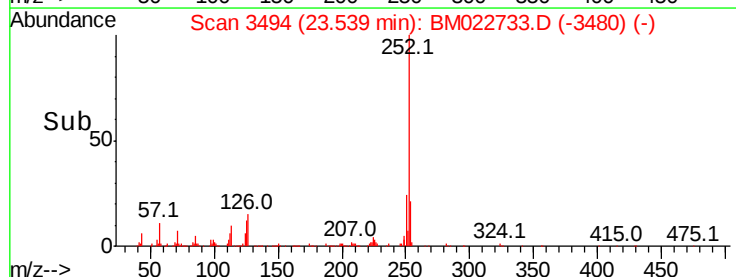
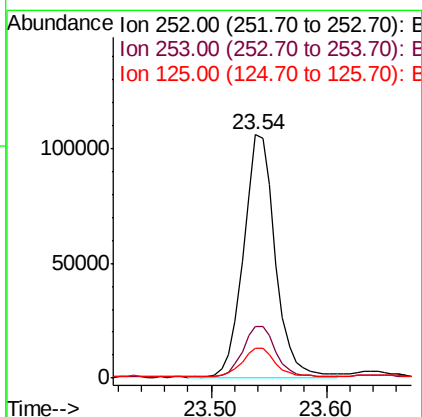
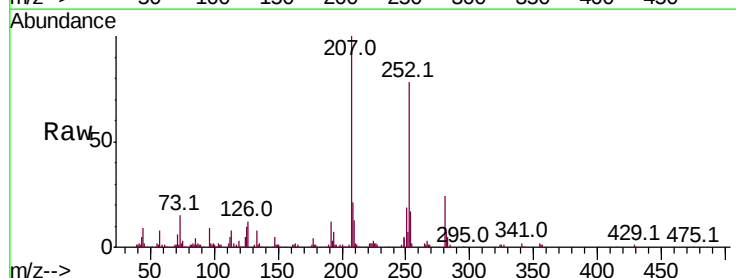
RT: 23.54 min Scan# 3494

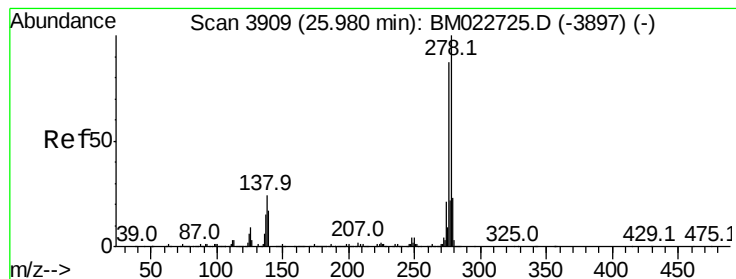
Delta R.T. -0.02 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Tgt Ion:252	Resp:	201378
Ion Ratio	Lower	Upper
252	100	
253	21.4	17.3 25.9
125	12.5	9.3 13.9





#91

Dibenzo(a,h)anthracene

Concen: 4.465 ng

RT: 25.96 min Scan# 3905

Delta R.T. -0.02 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

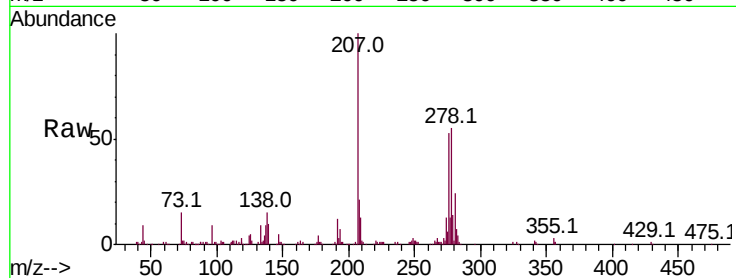
Tot Ion:278 Resp: 209674

Ion Ratio Lower Upper

278 100

139 17.6 13.7 20.5

279 24.9 18.6 28.0

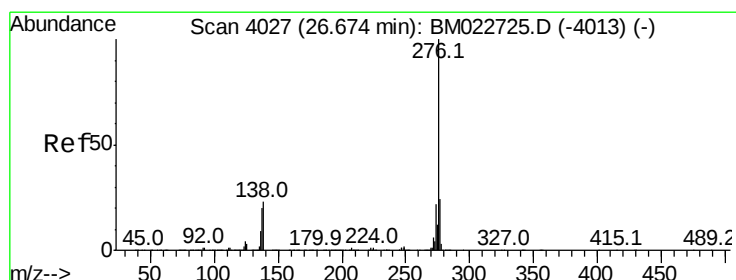
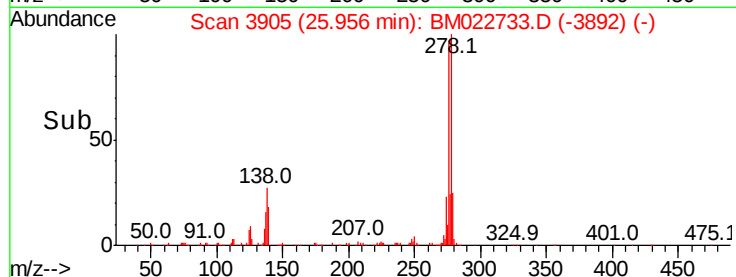
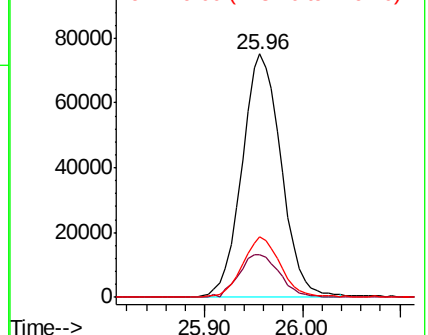


Abundance

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: 4.555 ng

RT: 26.65 min Scan# 4023

Delta R.T. -0.02 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

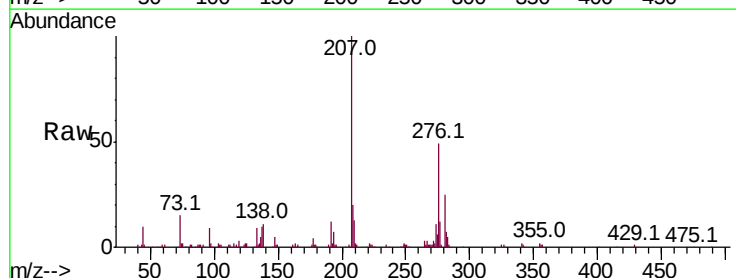
Tgt Ion:276 Resp: 203149

Ion Ratio Lower Upper

276 100

277 24.5 19.1 28.7

138 23.3 18.5 27.7



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

