

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092019\
 Data File : BM022734.D
 Acq On : 20 Sep 2019 20:19
 Operator : HP/JU
 Sample : K3591-01
 Misc : LOD-MDL-S-8PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Sep 21 02:13:16 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	193977	20.00	ng	0.00
21) Naphthalene-d8	10.62	136	763785	20.00	ng	0.00
39) Acenaphthene-d10	14.46	164	425482	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	807555	20.00	ng	0.00
76) Chrysene-d12	21.37	240	761698	20.00	ng	0.00
87) Perylene-d12	23.64	264	798478	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1174616	96.04	ng	0.00
7) Phenol-d6	6.99	99	1483478	94.43	ng	0.00
23) Nitrobenzene-d5	8.97	82	1067634	77.59	ng	0.00
42) 2,4,6-Tribromophenol	15.94	330	483997	91.12	ng	0.00
45) 2-Fluorobiphenyl	13.08	172	2392904	77.44	ng	0.00
79) Terphenyl-d14	19.82	244	3118154	79.27	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.32	88	42526	8.641	ng	# 100
3) Pyridine	3.73	79	91456	7.050	ng	96
4) n-Nitrosodimethylamine	3.64	42	35088	7.430	ng	# 92
6) Aniline	7.15	93	145212	7.709	ng	100
8) 2-Chlorophenol	7.39	128	99282	7.967	ng	96
9) Benzaldehyde	6.96	77	85046	9.508	ng	99
10) Phenol	7.01	94	118862	8.037	ng	94
11) bis(2-Chloroethyl)ether	7.25	93	90251	7.767	ng	98
12) 1,3-Dichlorobenzene	7.72	146	114956	7.718	ng	99
13) 1,4-Dichlorobenzene	7.86	146	115551	7.663	ng	99
14) 1,2-Dichlorobenzene	8.17	146	109306	7.604	ng	98
15) Benzyl Alcohol	8.06	79	72655	7.391	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.36	45	130550	7.734	ng	99
17) 2-Methylphenol	8.26	107	72238	7.379	ng	99
18) Hexachloroethane	8.90	117	41157	7.442	ng	93
19) n-Nitroso-di-n-propylamine	8.63	70	66071	7.532	ng	96
20) 3+4-Methylphenols	8.59	107	94402	7.240	ng	99
22) Acetophenone	8.65	105	139752	7.413	ng	# 100
24) Nitrobenzene	9.02	77	108599	8.249	ng	98
25) Isophorone	9.55	82	163863	7.243	ng	100
26) 2-Nitrophenol	9.73	139	35274	6.207	ng	99
27) 2,4-Dimethylphenol	9.79	122	71946	7.562	ng	99
28) bis(2-Chloroethoxy)methane	10.03	93	116541	7.444	ng	98
29) 2,4-Dichlorophenol	10.26	162	73823	6.863	ng	97
30) 1,2,4-Trichlorobenzene	10.48	180	97867	7.395	ng	99
31) Naphthalene	10.67	128	298593	7.912	ng	99
32) Benzoic acid	9.85	122	19230	6.623	ng	92
33) 4-Chloroaniline	10.77	127	118798	7.250	ng	99
34) Hexachlorobutadiene	10.96	225	56597	7.174	ng	98
35) Caprolactam	11.55	113	17629	5.528	ng	99
36) 4-Chloro-3-methylphenol	11.89	107	71821	6.843	ng	98
37) 2-Methylnaphthalene	12.28	142	202787	7.720	ng	100
38) 1-Methylnaphthalene	12.50	142	188525	7.561	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.65	216	101083	7.011	ng	99

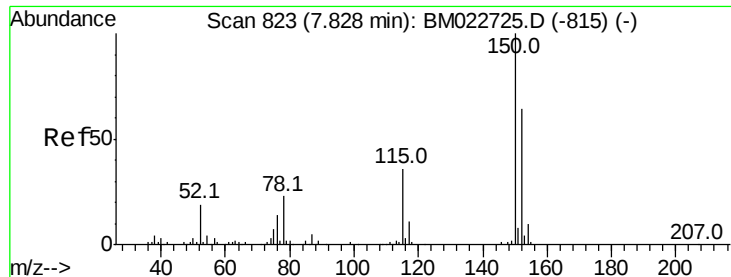
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092019\
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 QLast Update : Fri Sep 20 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.64	237	55405	7.044	ng	98
43) 2,4,6-Trichlorophenol	12.89	196	52189	6.272	ng	97
44) 2,4,5-Trichlorophenol	12.95	196	61378	7.078	ng	99
46) 1,1'-Biphenyl	13.29	154	253476	7.198	ng	99
47) 2-Chloronaphthalene	13.33	162	198787	7.574	ng	99
48) 2-Nitroaniline	13.53	65	39957	5.846	ng	95
49) Acenaphthylene	14.18	152	291330	7.496	ng	100
50) Dimethylphthalate	13.91	163	219261	7.131	ng	99
51) 2,6-Dinitrotoluene	14.02	165	42039	6.536	ng	90
52) Acenaphthene	14.52	154	185513	7.296	ng	97
53) 3-Nitroaniline	14.35	138	42266	5.708	ng	# 95
54) 2,4-Dinitrophenol	14.56	184	13153	10.393	ng	99
55) Dibenzofuran	14.86	168	293658	7.911	ng	100
56) 4-Nitrophenol	14.65	139	32466	5.705	ng	92
57) 2,4-Dinitrotoluene	14.81	165	47265	5.609	ng	89
58) Fluorene	15.50	166	225737	7.483	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.08	232	46354	6.130	ng	97
60) Diethylphthalate	15.27	149	204471	6.839	ng	99
61) 4-Chlorophenyl-phenylether	15.50	204	114958	7.417	ng	97
62) 4-Nitroaniline	15.51	138	44465	5.728	ng	98
63) Azobenzene	15.79	77	191481	7.092	ng	98
65) 4,6-Dinitro-2-methylphenol	15.57	198	20406	10.992	ng	91
66) n-Nitrosodiphenylamine	15.71	169	187261	7.590	ng	99
67) 4-Bromophenyl-phenylether	16.39	248	62936	7.007	ng	99
68) Hexachlorobenzene	16.51	284	74745	7.136	ng	98
69) Atrazine	16.66	200	50598	6.309	ng	100
70) Pentachlorophenol	16.84	266	31170	5.580	ng	100
71) Phenanthrene	17.23	178	351679	7.718	ng	99
72) Anthracene	17.33	178	326397	7.391	ng	100
73) Carbazole	17.59	167	298799	7.271	ng	100
74) Di-n-butylphthalate	18.16	149	267222	5.735	ng	99
75) Fluoranthene	19.25	202	365550	7.109	ng	99
77) Benzidine	19.43	184	134851	6.453	ng	99
78) Pyrene	19.61	202	384760	7.708	ng	99
80) Butylbenzylphthalate	20.52	149	99089	5.223	ng	96
81) Benzo(a)anthracene	21.36	228	368556	7.466	ng	99
82) 3,3'-Dichlorobenzidine	21.29	252	115305	6.586	ng	99
83) Chrysene	21.41	228	363359	7.592	ng	99
84) Bis(2-ethylhexyl)phthalate	21.30	149	148247	5.274	ng	98
85) Di-n-octyl phthalate	22.18	149	222821	4.974	ng	96
86) Indeno(1,2,3-cd)pyrene	25.95	276	402216	7.041	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	348867	7.216	ng	99
89) Benzo(k)fluoranthene	23.00	252	359249	7.489	ng	100
90) Benzo(a)pyrene	23.54	252	325555	7.308	ng	100
91) Dibenzo(a,h)anthracene	25.96	278	341955	7.338	ng	99
92) Benzo(g,h,i)perylene	26.65	276	332390	7.510	ng	100

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

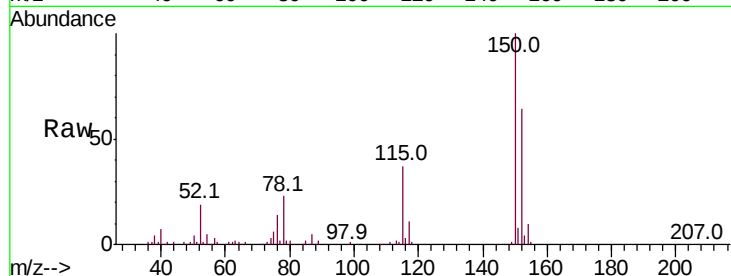


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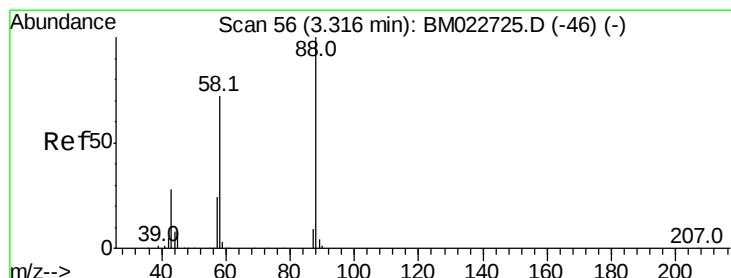
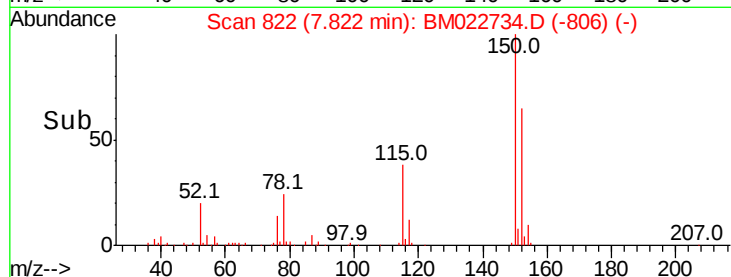
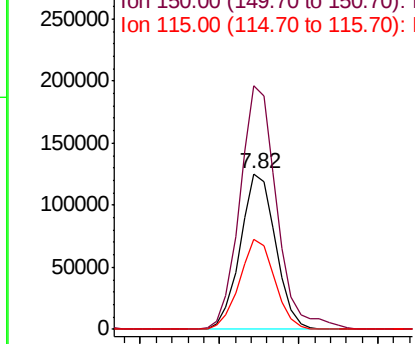
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Concen: 20.000 ng
RT: 7.82 min Scan# 822
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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

Tot Ion:152 Resp: 193977
Ion Ratio Lower Upper
152 100
150 156.1 124.5 186.7
115 57.8 45.0 67.4



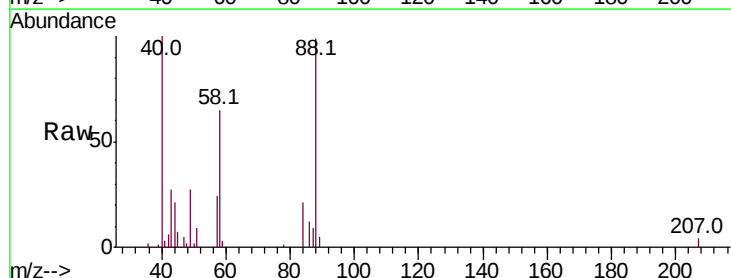
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



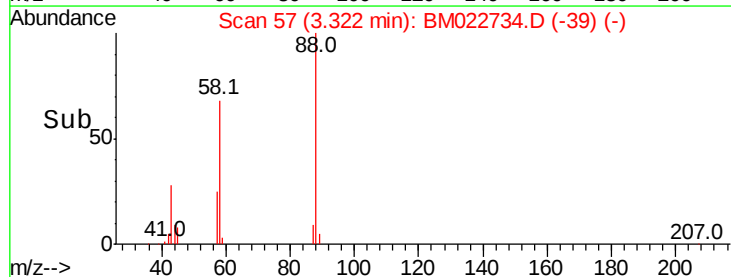
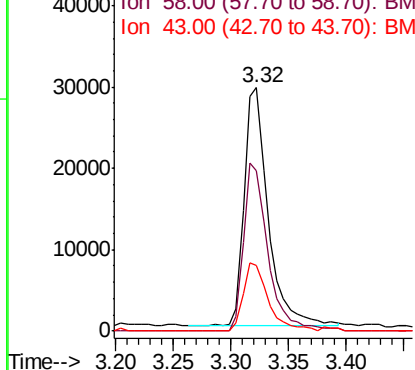
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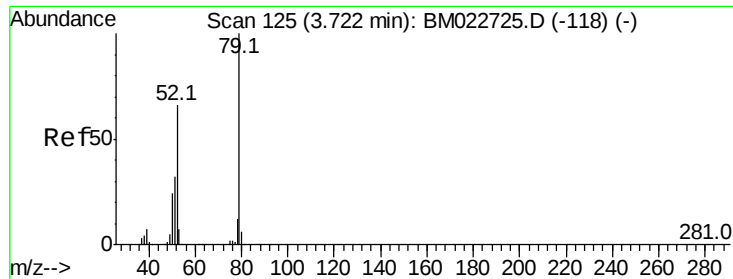
1,4-Dioxane
Concen: 8.641 ng
RT: 3.32 min Scan# 57
Delta R.T. 0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion: 88 Resp: 42526
Ion Ratio Lower Upper
88 100
58 71.0 0.0 0.0#
43 29.5 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BM0
Ion 58.00 (57.70 to 58.70): BM0
Ion 43.00 (42.70 to 43.70): BM0





#3

Pvridine

Concen: 7.050 ng

RT: 3.73 min Scan# 127

Delta R.T. 0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

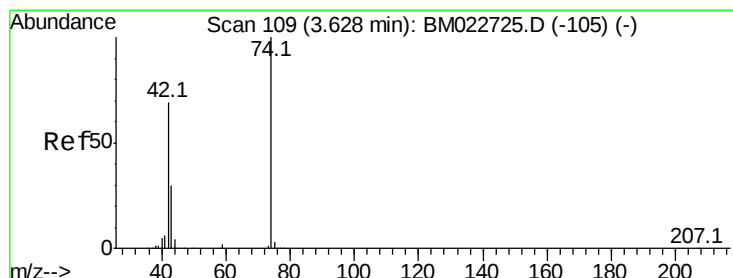
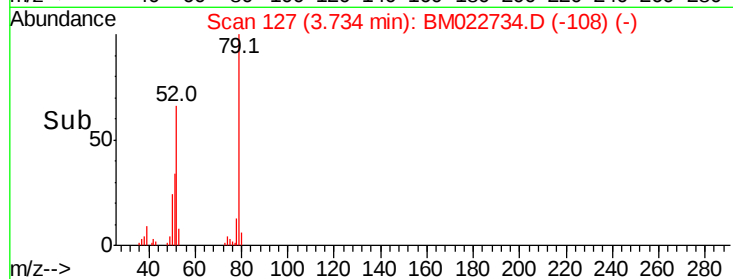
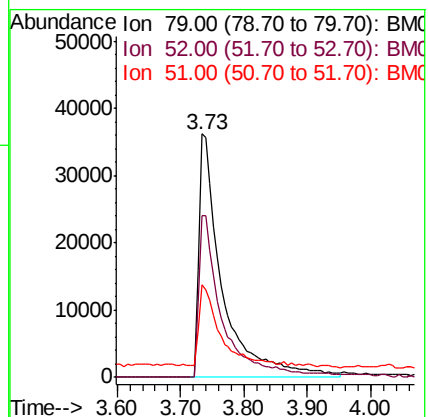
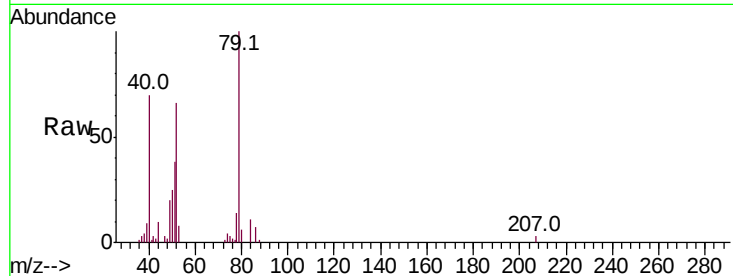
Tot Ion: 79 Resp: 91456

Ion Ratio Lower Upper

79 100

52 66.4 52.4 78.6

51 38.3 26.2 39.4



#4

n-Nitrosodimethylamine

Concen: 7.430 ng

RT: 3.64 min Scan# 111

Delta R.T. 0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

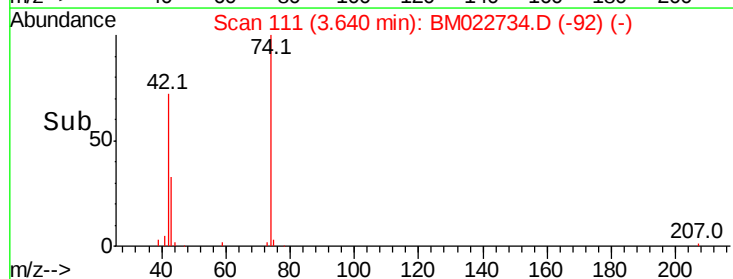
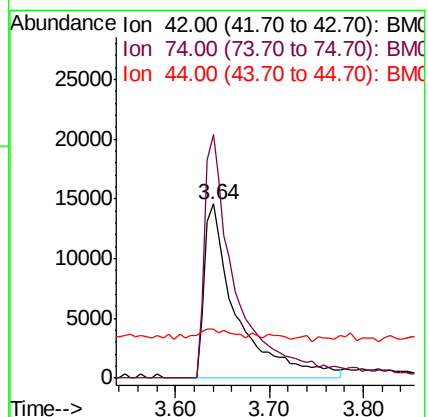
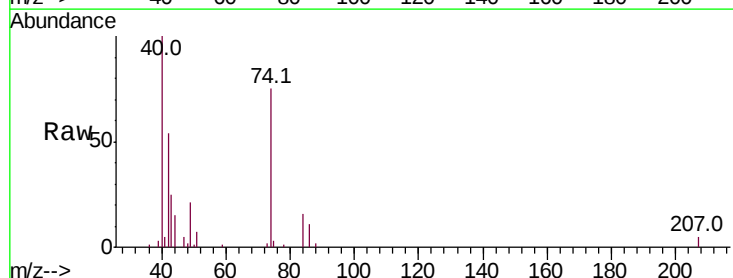
Tgt Ion: 42 Resp: 35088

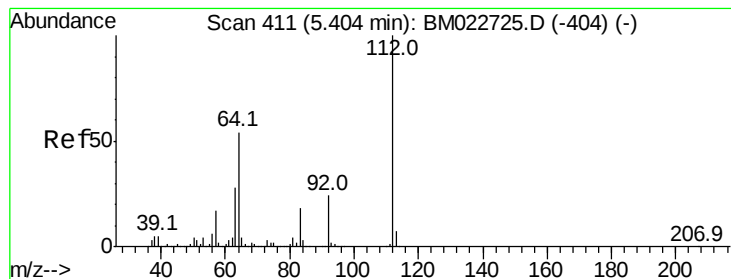
Ion Ratio Lower Upper

42 100

74 139.7 116.6 175.0

44 27.8 8.2 12.4#

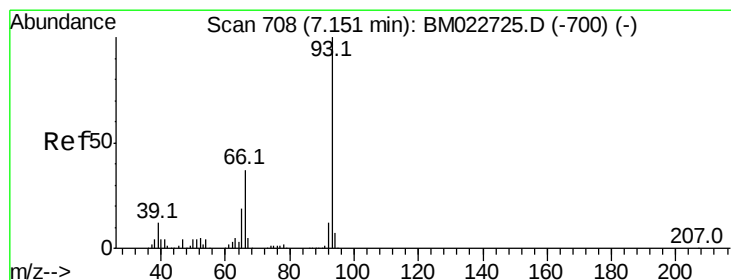
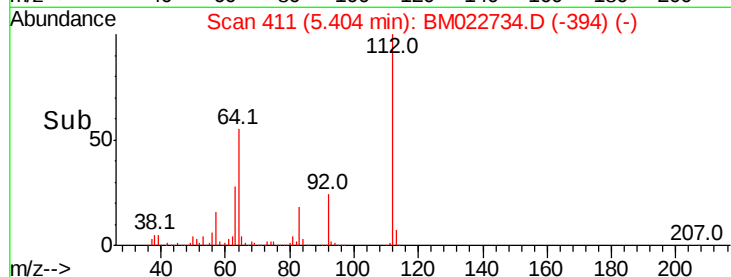
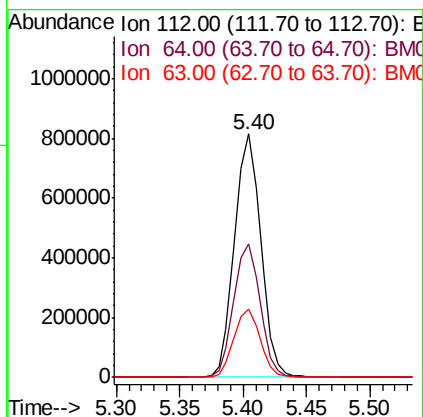
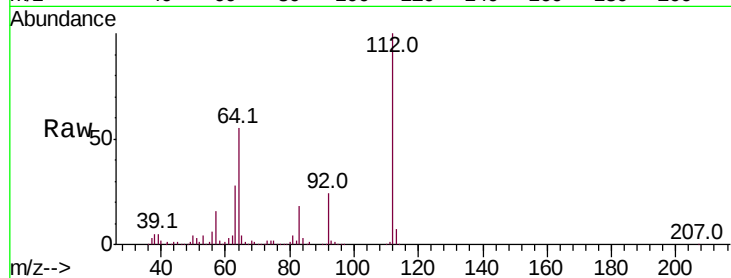




#5
2-Fluorophenol
Concen: 96.037 ng
RT: 5.40 min Scan# 411
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

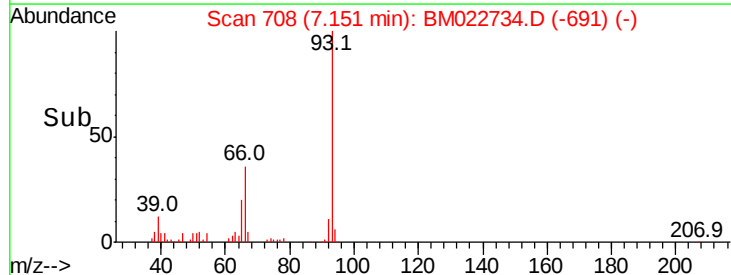
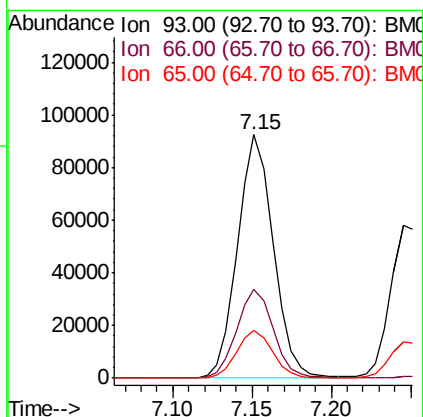
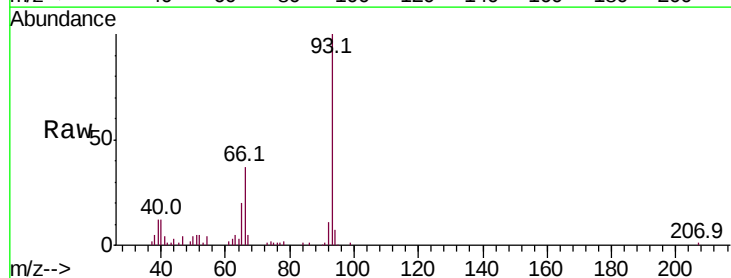
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

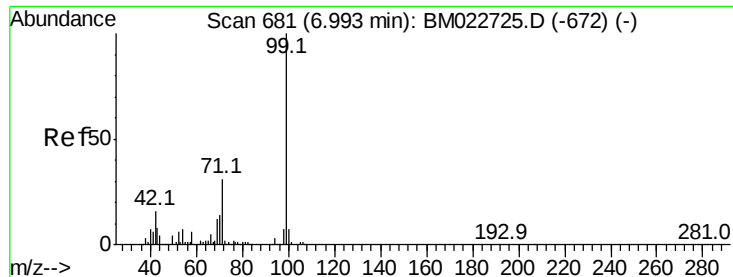
Tot Ion:112 Resp: 1174616
Ion Ratio Lower Upper
112 100
64 54.9 43.4 65.2
63 27.8 22.1 33.1



#6
Aniline
Concen: 7.709 ng
RT: 7.15 min Scan# 708
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion: 93 Resp: 145212
Ion Ratio Lower Upper
93 100
66 36.5 29.3 43.9
65 19.5 15.3 22.9





#7

Phenol-d6

Concen: 94.434 ng

RT: 6.99 min Scan# 680

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

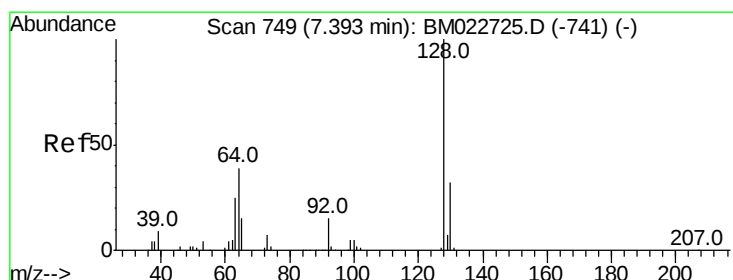
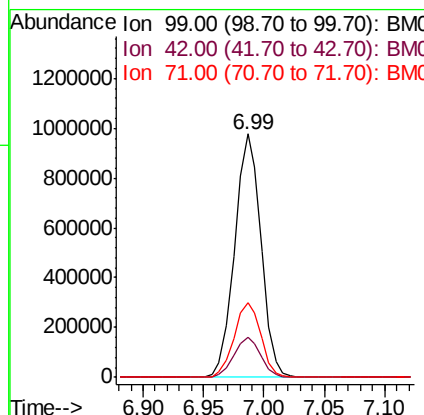
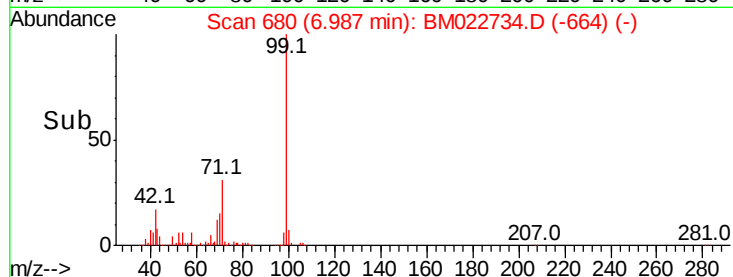
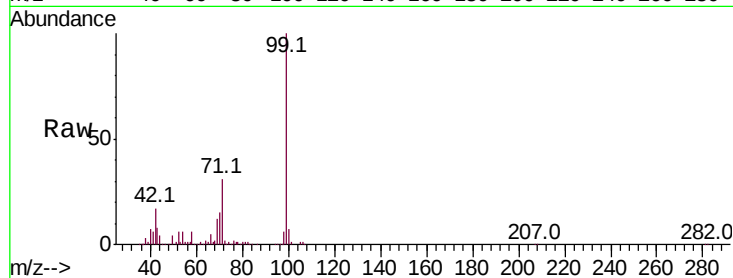
Tot Ion: 99 Resp: 1483478

Ion Ratio Lower Upper

99 100

42 16.5 13.0 19.4

71 30.7 24.7 37.1



#8

2-Chlorophenol

Concen: 7.967 ng

RT: 7.39 min Scan# 748

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

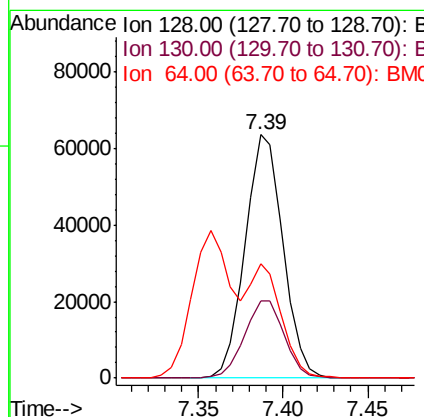
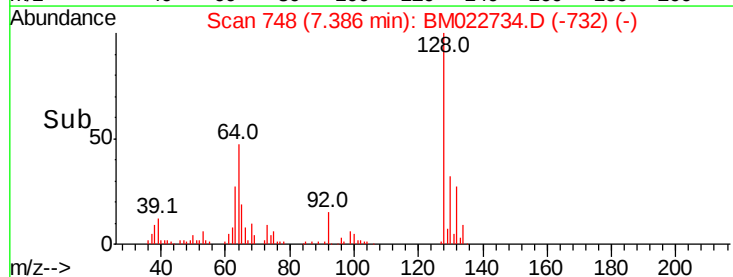
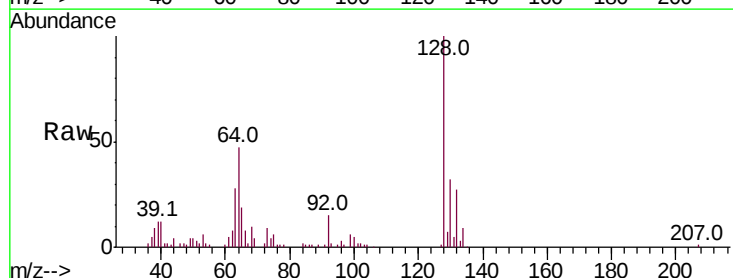
Tgt Ion: 128 Resp: 99282

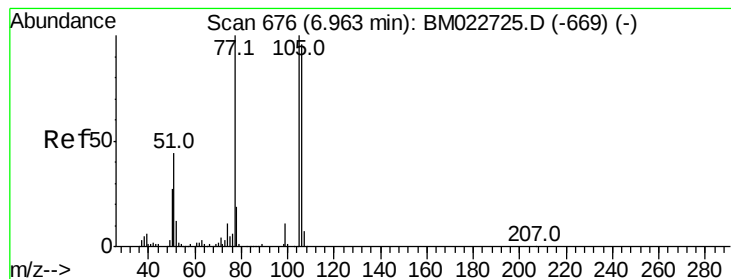
Ion Ratio Lower Upper

128 100

130 31.6 12.1 52.1

64 46.7 22.9 62.9





#9

Benzaldehyde

Concen: 9.508 ng

RT: 6.96 min Scan# 676

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

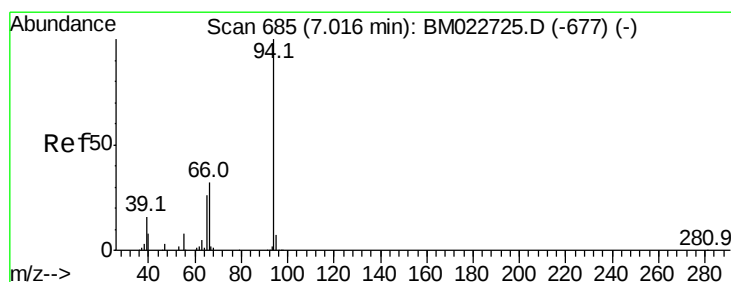
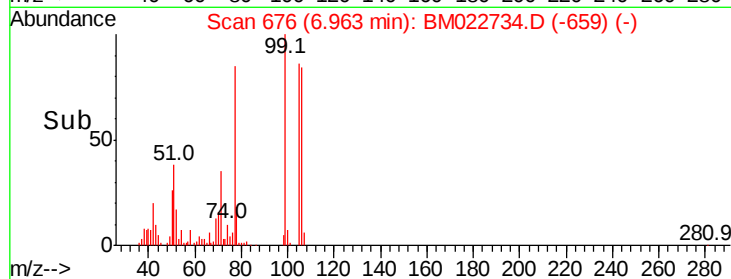
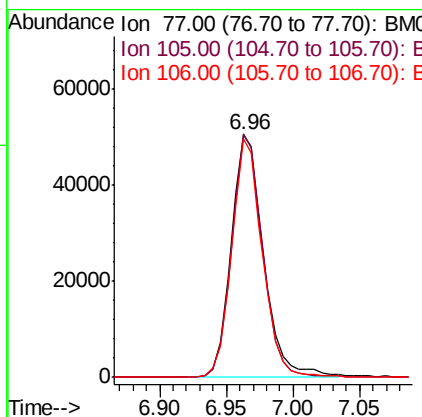
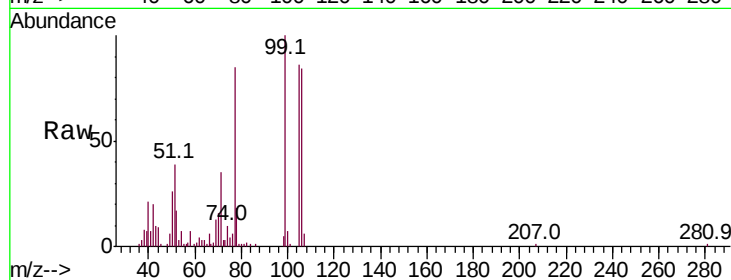
Tot Ion: 77 Resp: 85046

Ion Ratio Lower Upper

77 100

105 100.3 79.6 119.6

106 98.1 76.3 116.3



#10

Phenol

Concen: 8.037 ng

RT: 7.01 min Scan# 684

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

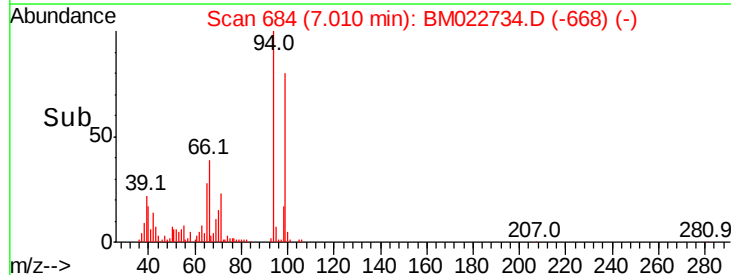
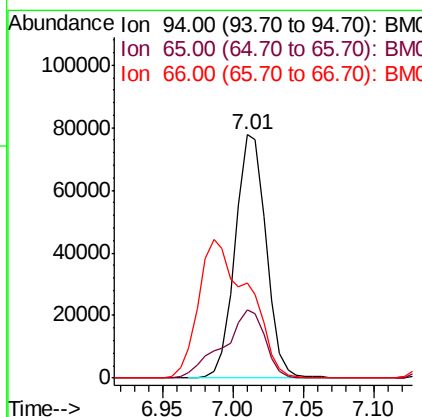
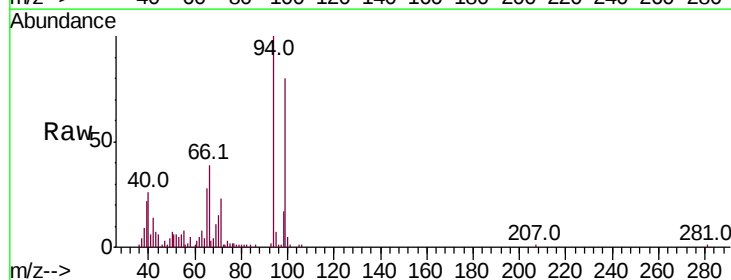
Tgt Ion: 94 Resp: 118862

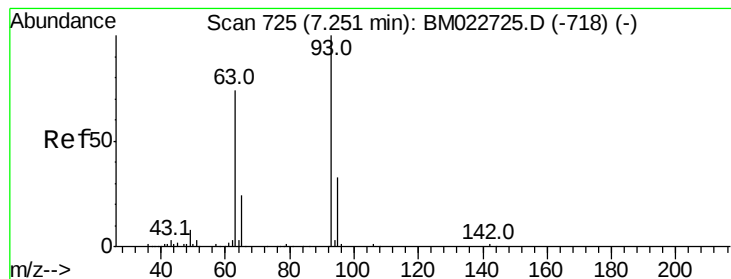
Ion Ratio Lower Upper

94 100

65 28.2 6.7 46.7

66 39.0 13.8 53.8





#11

bis(2-Chloroethyl)ether

Concen: 7.767 ng

RT: 7.25 min Scan# 724

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

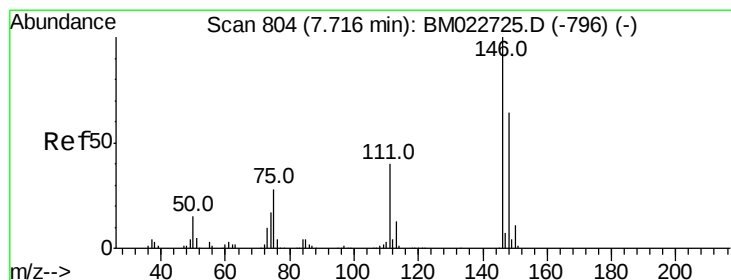
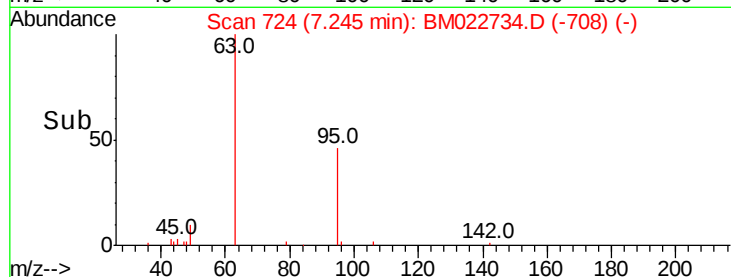
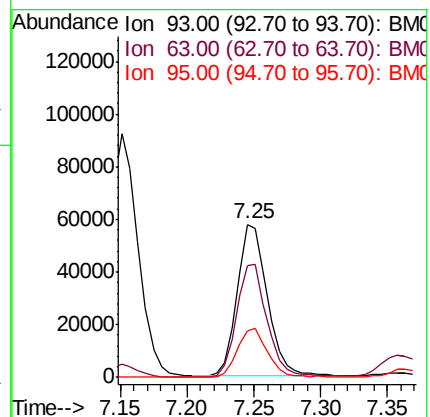
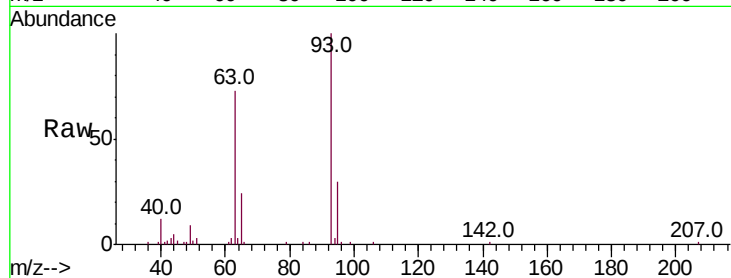
Tot Ion: 93 Resp: 90251

Ion Ratio Lower Upper

93 100

63 73.3 53.8 93.8

95 30.2 12.7 52.7



#12

1,3-Dichlorobenzene

Concen: 7.718 ng

RT: 7.72 min Scan# 804

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

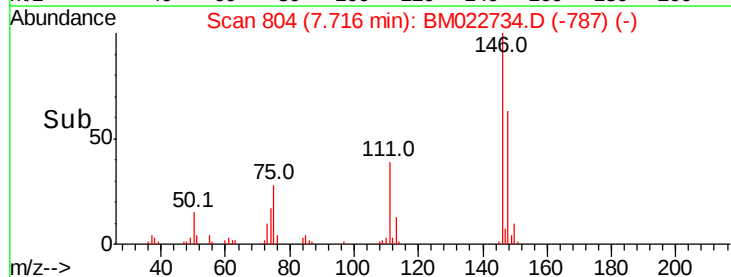
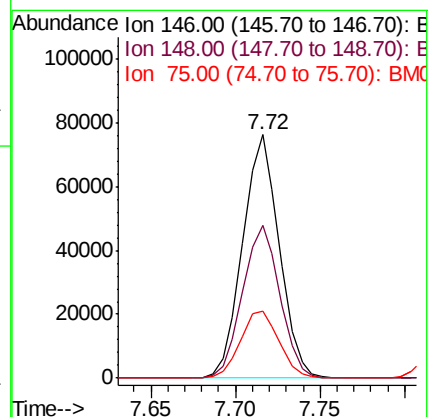
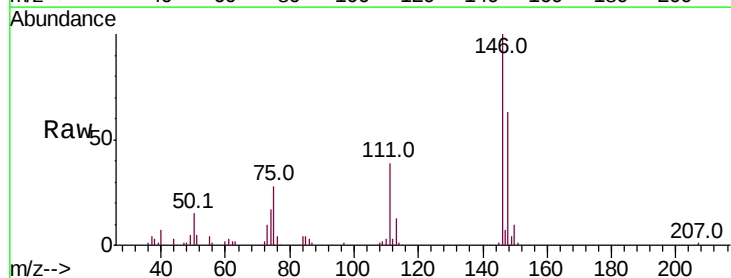
Tgt Ion: 146 Resp: 114956

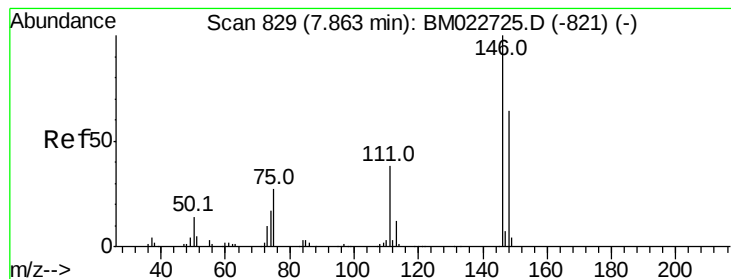
Ion Ratio Lower Upper

146 100

148 63.0 51.3 76.9

75 27.8 22.5 33.7





#13

1,4-Dichlorobenzene

Concen: 7.663 ng

RT: 7.86 min Scan# 828

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

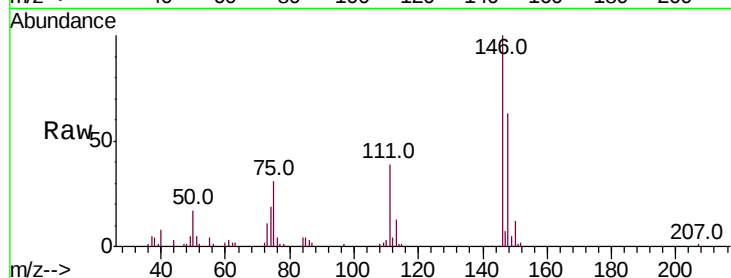
Tot Ion:146 Resp: 115551

Ion Ratio Lower Upper

146 100

148 63.2 51.4 77.0

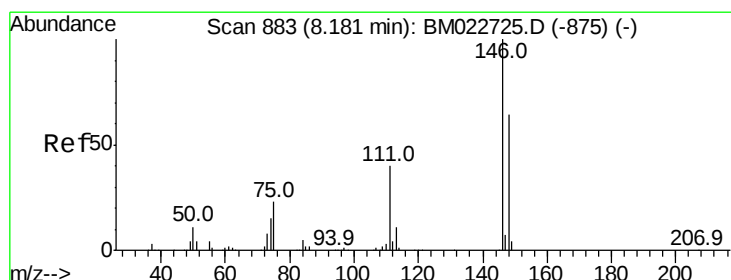
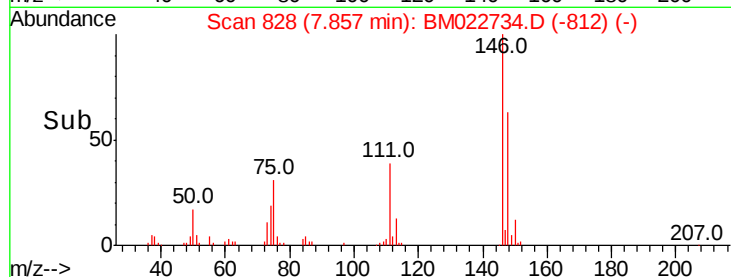
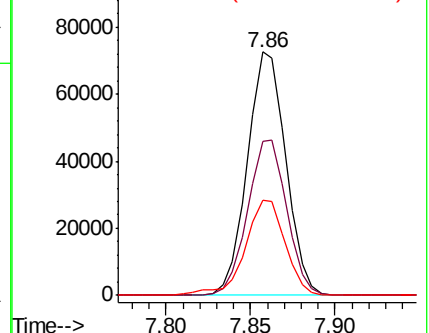
111 39.2 30.9 46.3



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: 7.604 ng

RT: 8.17 min Scan# 882

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

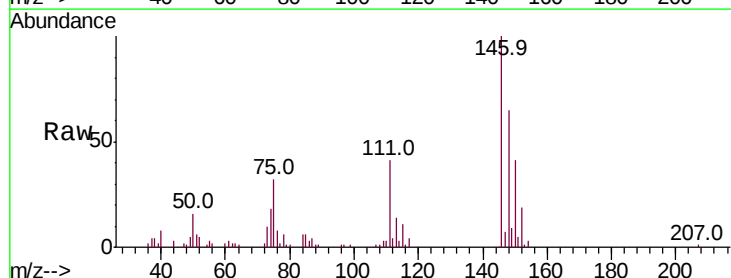
Tgt Ion:146 Resp: 109306

Ion Ratio Lower Upper

146 100

148 65.4 51.3 76.9

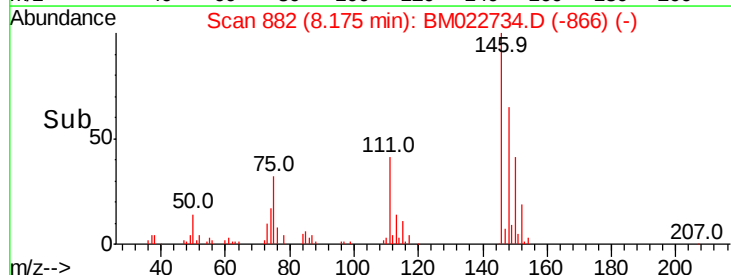
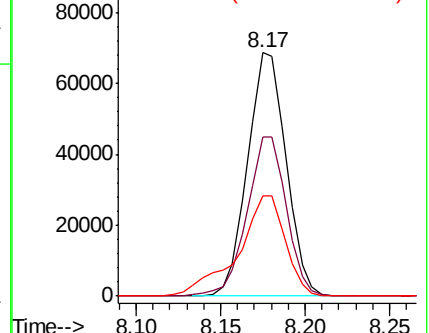
111 41.4 32.3 48.5

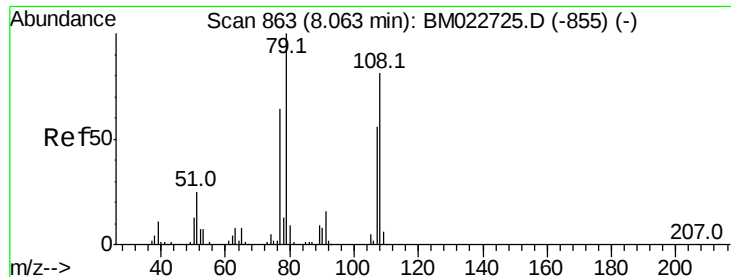


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 7.391 ng

RT: 8.06 min Scan# 863

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

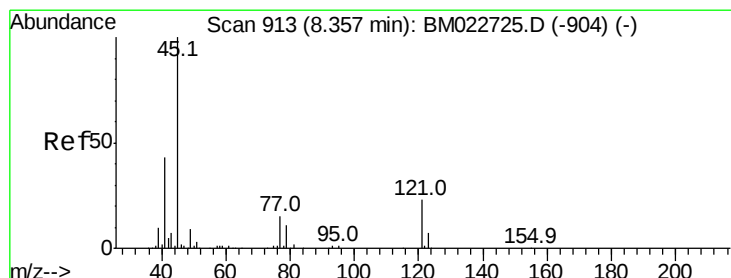
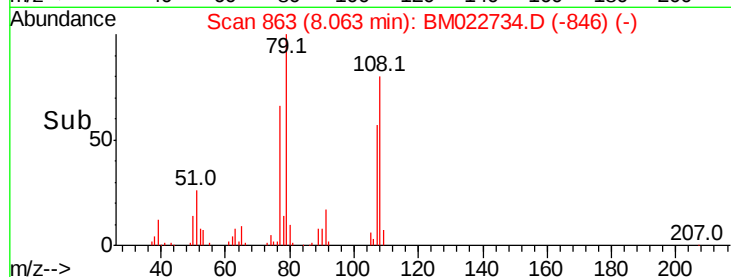
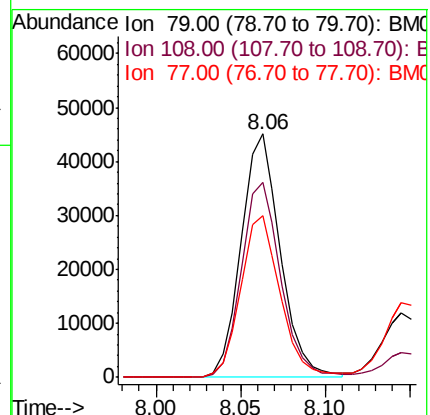
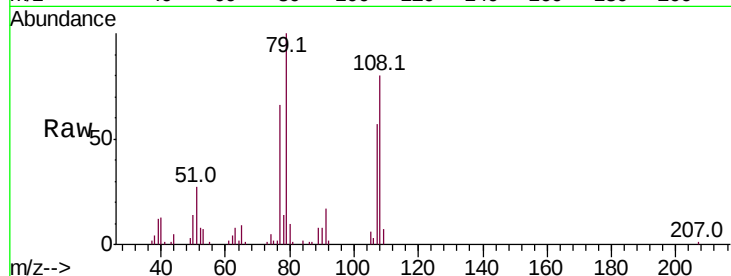
Tot Ion: 79 Resp: 72655

Ion Ratio Lower Upper

79 100

108 80.2 64.9 97.3

77 66.4 51.1 76.7



#16

2,2'-oxybis(1-chloropropane)

Concen: 7.734 ng

RT: 8.36 min Scan# 913

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

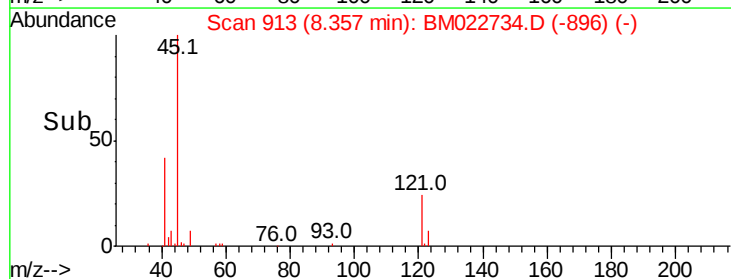
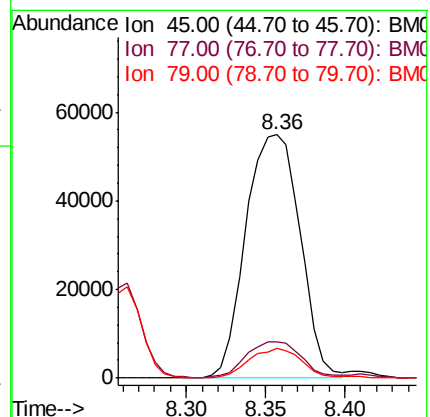
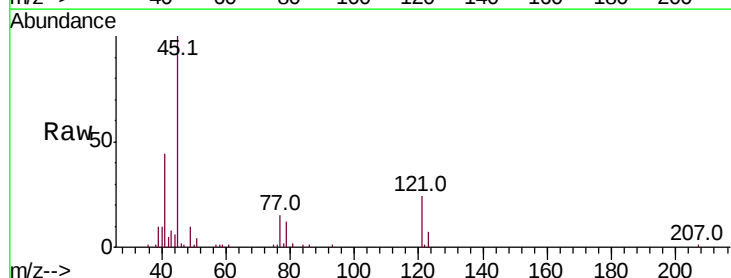
Tgt Ion: 45 Resp: 130550

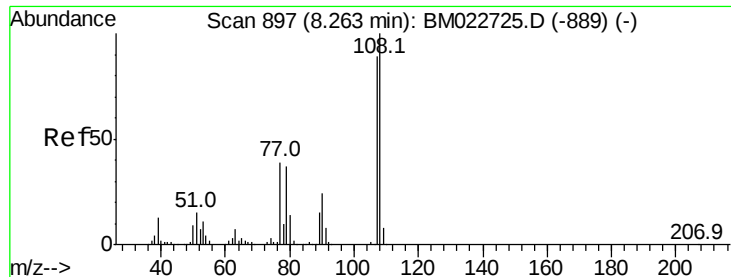
Ion Ratio Lower Upper

45 100

77 14.9 0.0 35.1

79 12.1 0.0 31.4

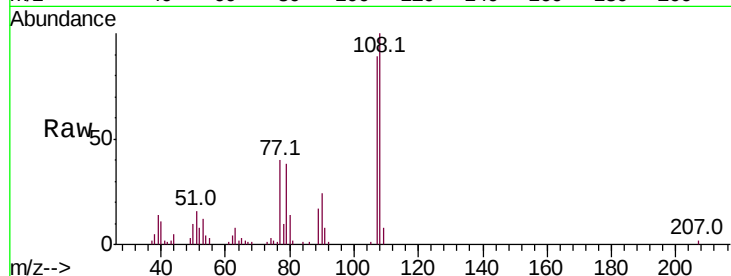




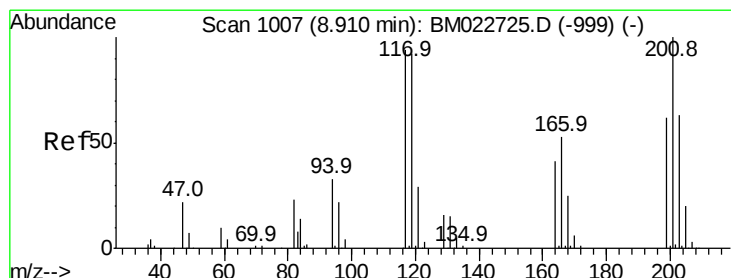
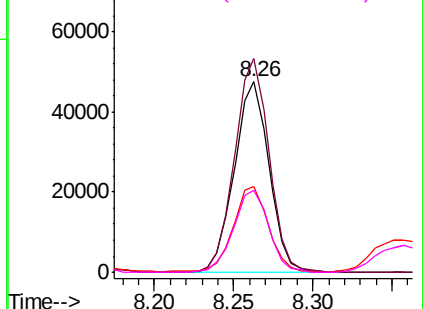
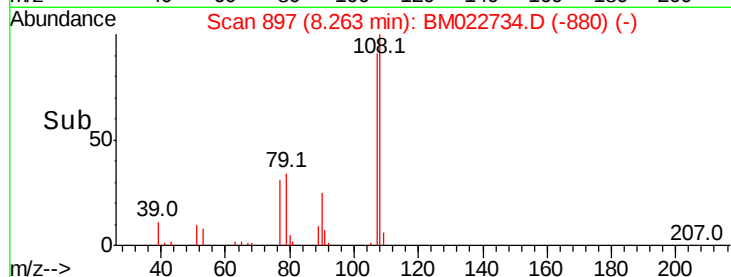
#17
2-Methylphenol
Concen: 7.379 ng
RT: 8.26 min Scan# 897
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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

Tot Ion:107 Resp: 72238
Ion Ratio Lower Upper
107 100
108 112.3 90.0 135.0
77 45.3 35.2 52.8
79 43.2 33.4 50.2

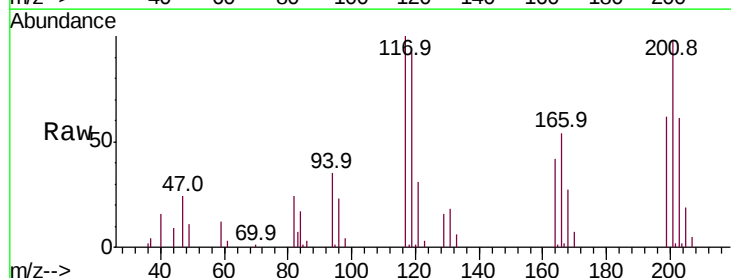


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BM0
Ion 79.00 (78.70 to 79.70): BM0

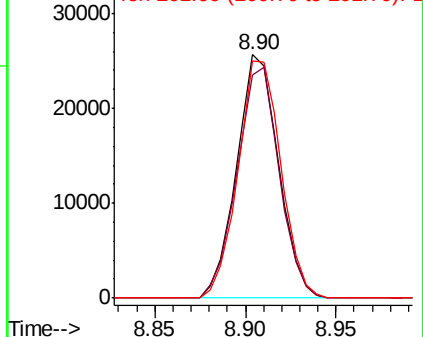
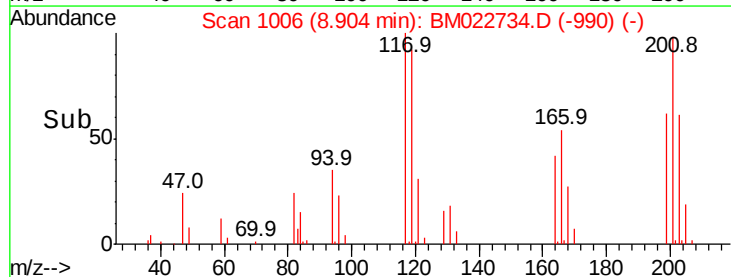


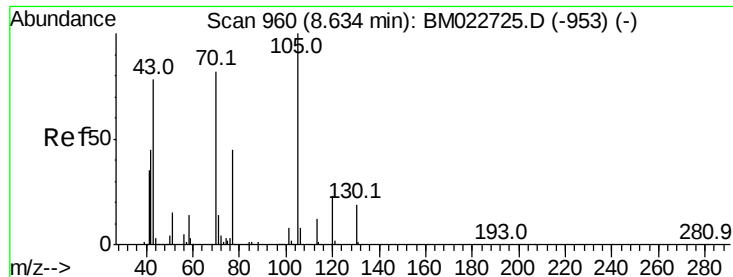
#18
Hexachloroethane
Concen: 7.442 ng
RT: 8.90 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion:117 Resp: 41157
Ion Ratio Lower Upper
117 100
119 91.5 78.0 117.0
201 97.5 85.0 127.6



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

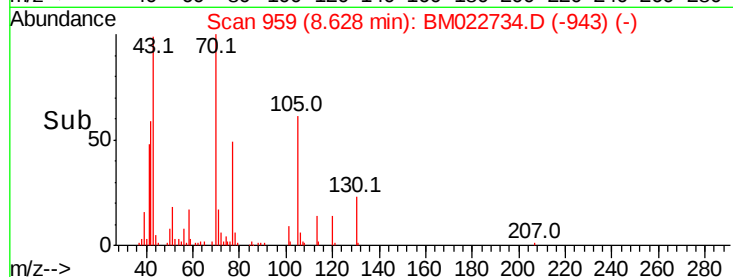
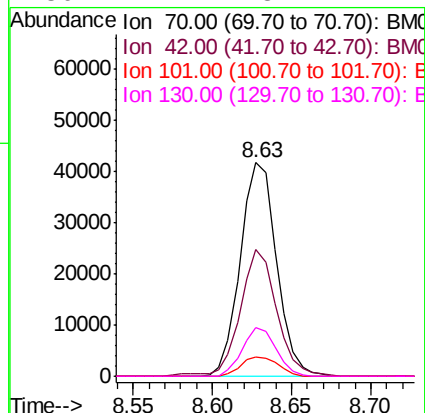
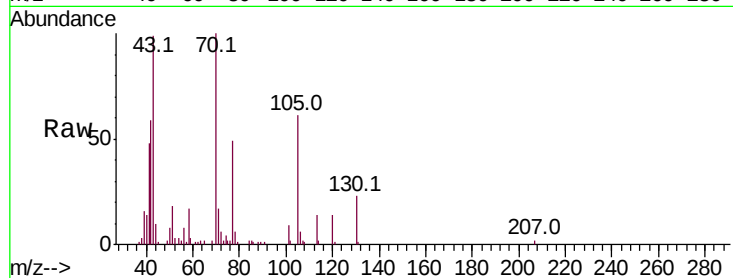




#19
n-Nitroso-di-n-propylamine
Concen: 7.532 ng
RT: 8.63 min Scan# 959
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

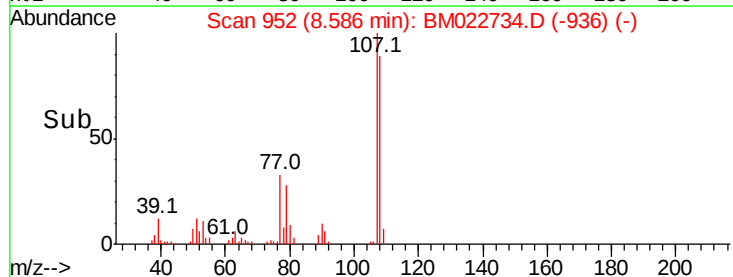
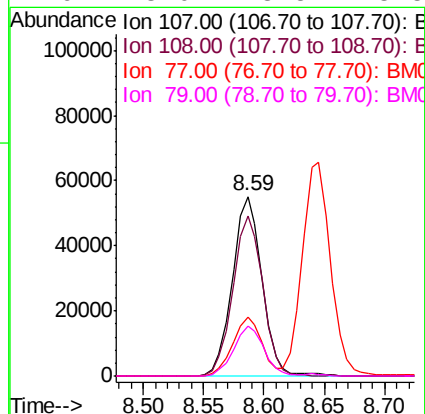
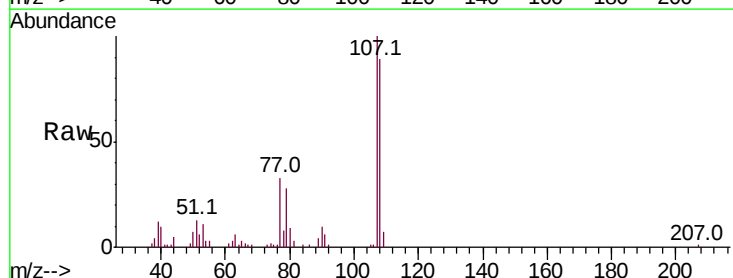
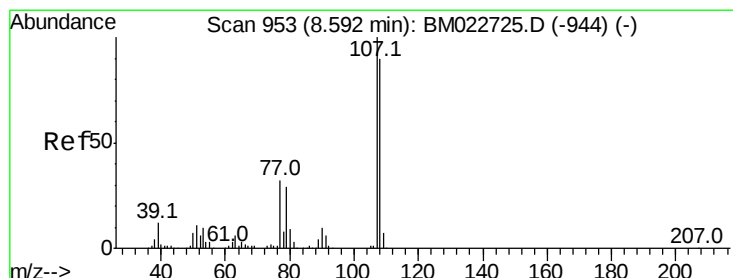
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

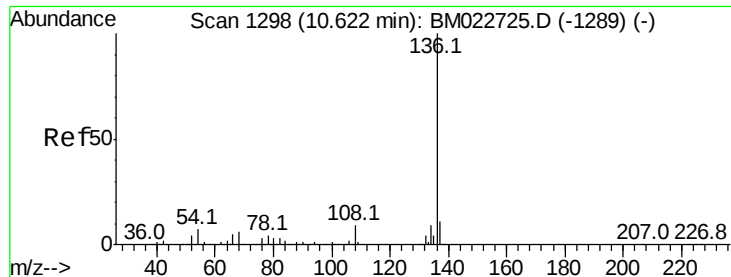
Tot Ion:	70	Resp:	66071
Ion	Ratio	Lower	Upper
70	100		
42	59.3	44.4	66.6
101	8.9	7.8	11.6
130	22.7	18.2	27.4



#20
3+4-Methylphenols
Concen: 7.240 ng
RT: 8.59 min Scan# 952
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion:	107	Resp:	94402
Ion	Ratio	Lower	Upper
107	100		
108	89.3	70.1	110.1
77	32.7	12.1	52.1
79	28.0	8.5	48.5

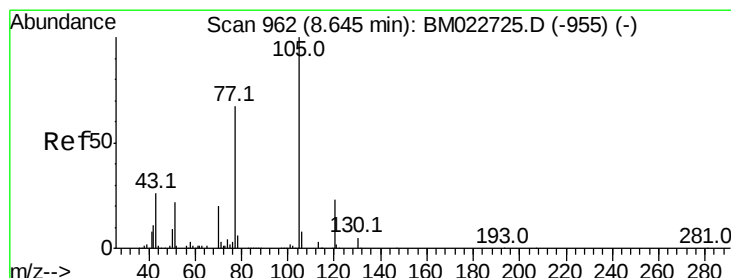
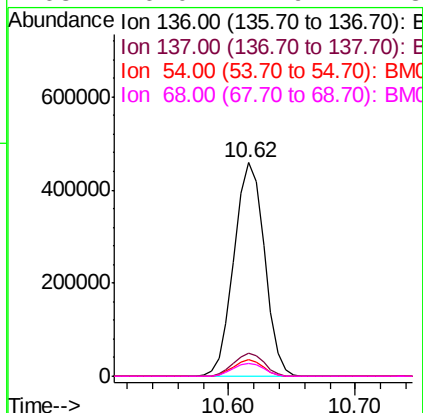
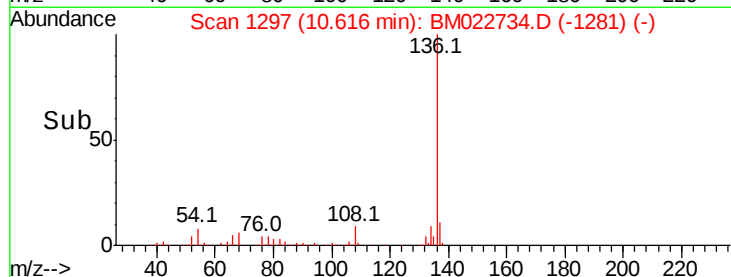
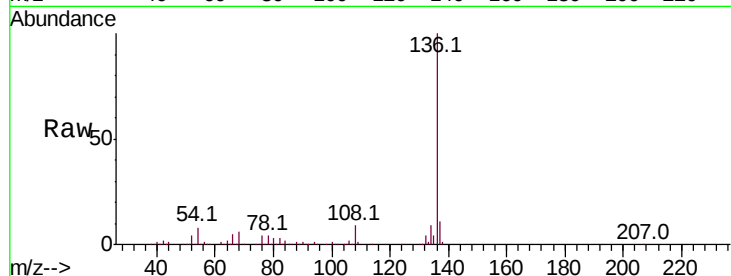




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.62 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

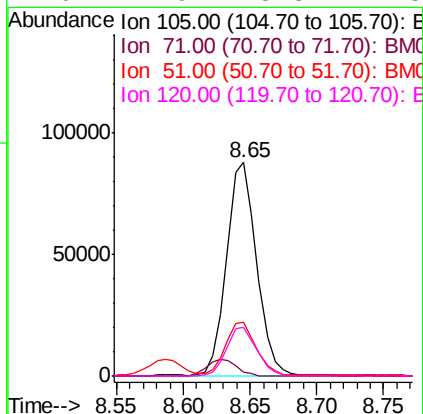
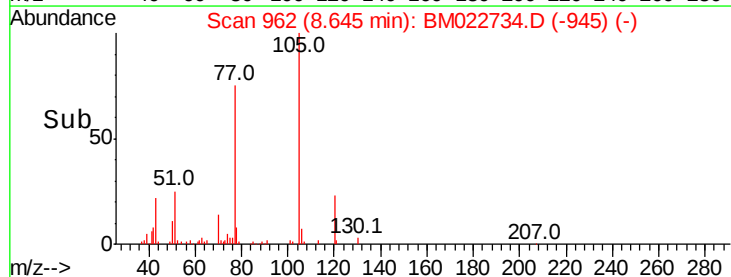
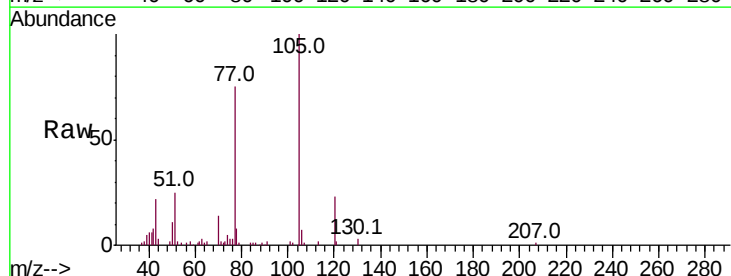
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

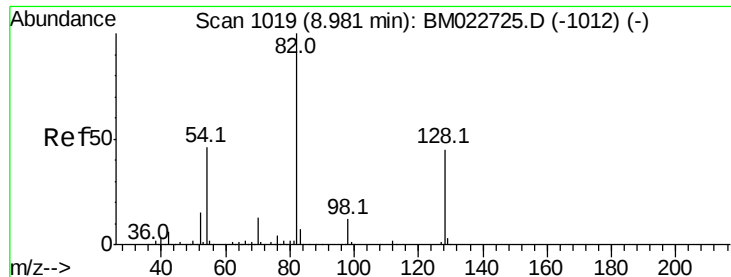
Tot Ion:136	Resp: 763785
Ion Ratio	Lower Upper
136 100	
137 10.9	8.6 13.0
54 7.6	6.0 9.0
68 6.0	4.9 7.3



#22
Acetophenone
Concen: 7.413 ng
RT: 8.65 min Scan# 962
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt	Ion:105	Resp:	139752
Ion	Ratio	Lower	Upper
105	100		
71	2.0	2.7	4.1#
51	24.9	19.9	29.9
120	22.9	18.3	27.5

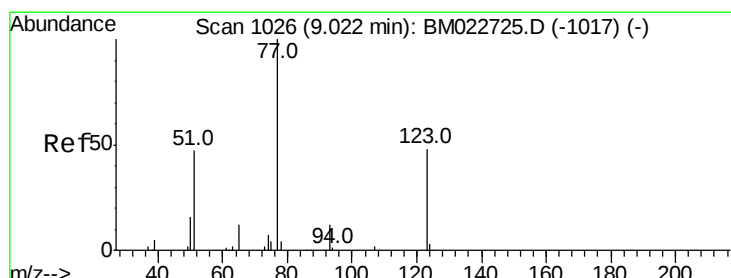
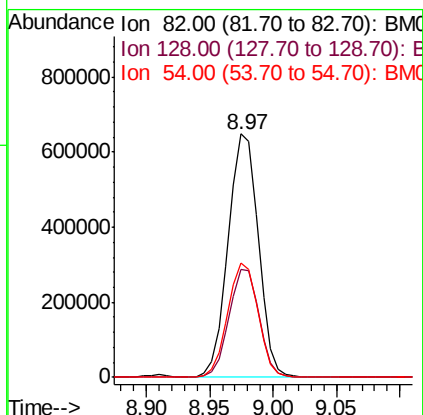
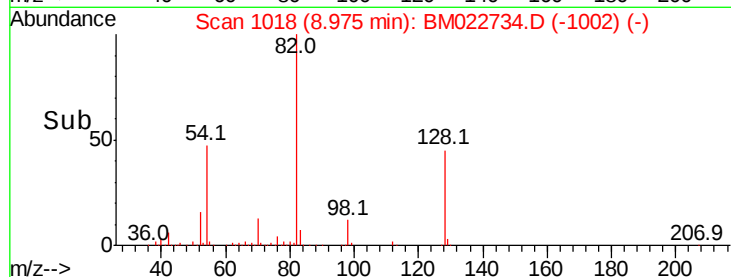
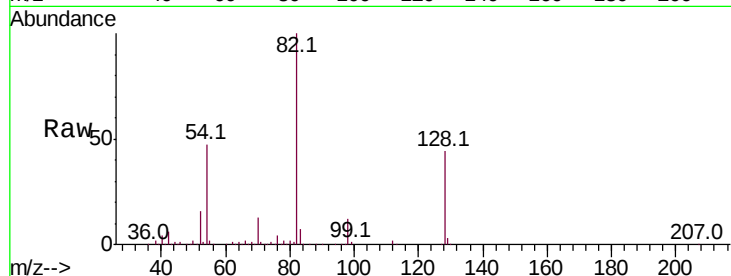




#23
Nitrobenzene-d5
Concen: 77.593 ng
RT: 8.97 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

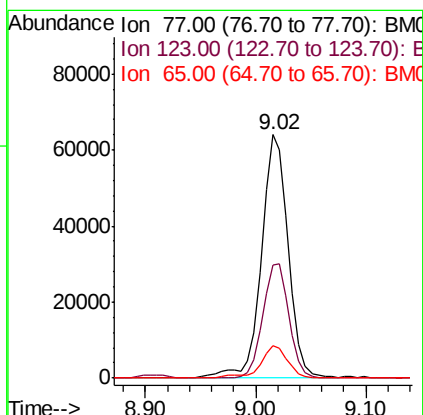
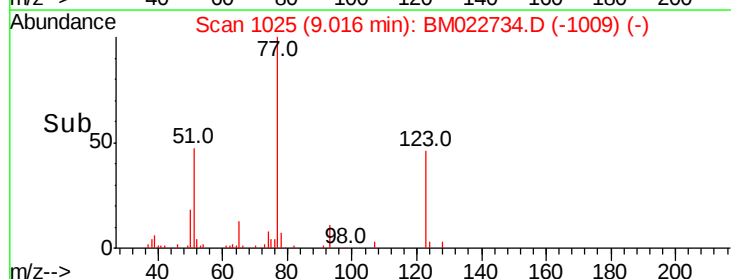
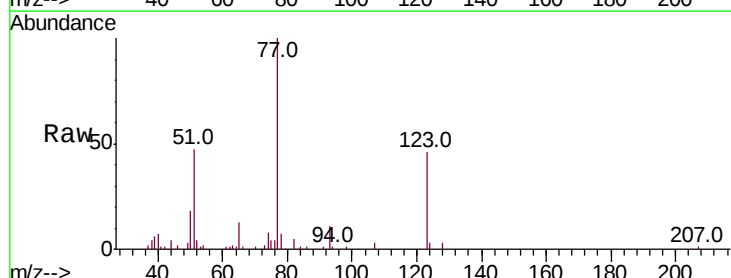
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

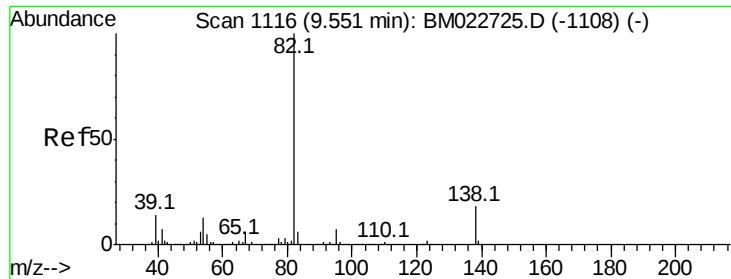
Tot Ion: 82 Resp: 1067634
Ion Ratio Lower Upper
82 100
128 44.5 36.0 54.0
54 46.9 37.1 55.7



#24
Nitrobenzene
Concen: 8.249 ng
RT: 9.02 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion: 77 Resp: 108599
Ion Ratio Lower Upper
77 100
123 46.3 38.0 57.0
65 13.1 10.0 15.0

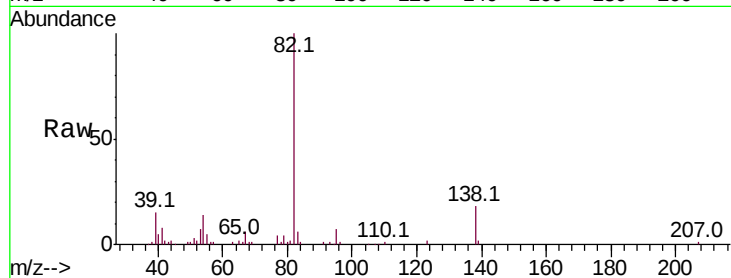




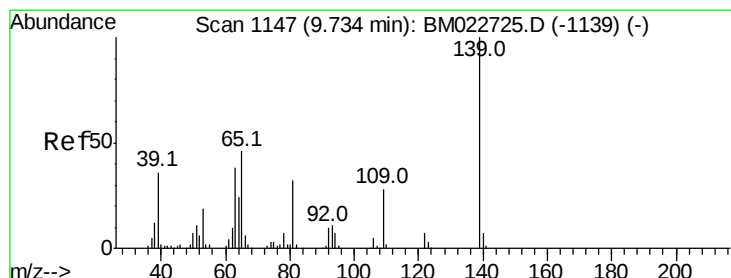
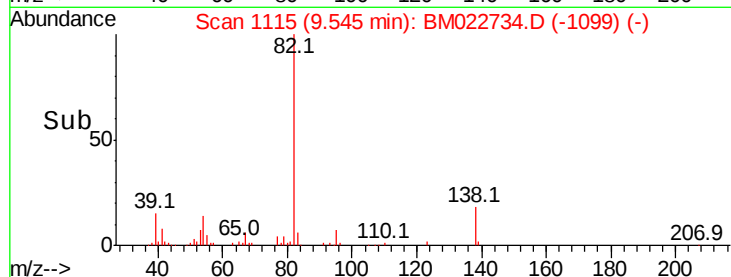
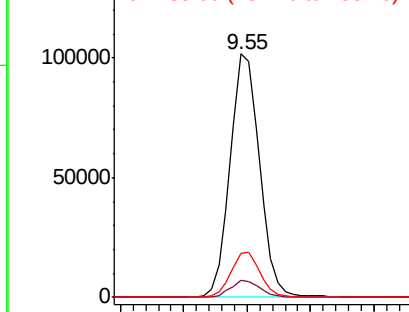
#25
Isophorone
Concen: 7.243 ng
RT: 9.55 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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

Tot Ion: 82 Resp: 163863
Ion Ratio Lower Upper
82 100
95 7.1 5.4 8.0
138 18.3 14.7 22.1

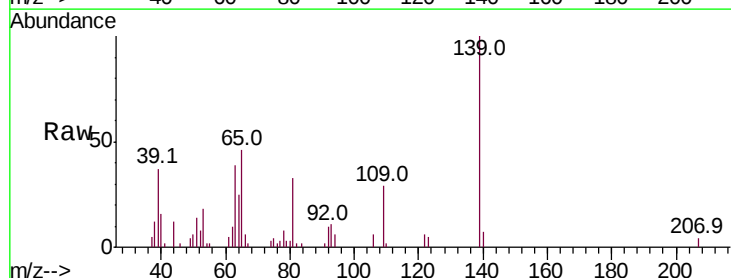


Abundance Ion 82.00 (81.70 to 82.70): BM0
Ion 95.00 (94.70 to 95.70): BM0
Ion 138.00 (137.70 to 138.70): E

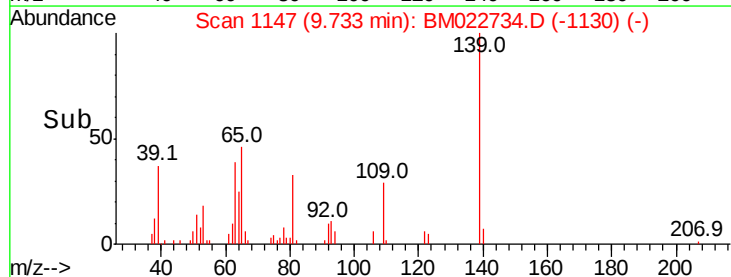
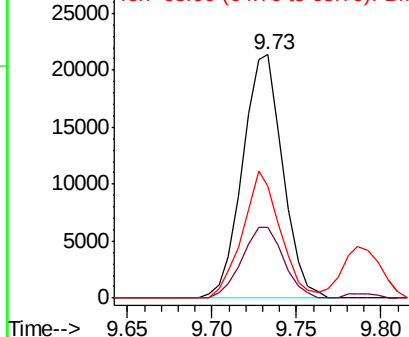


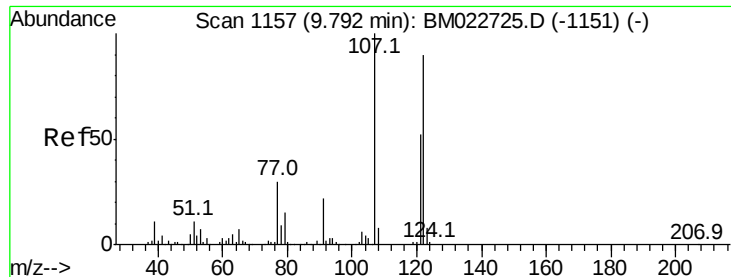
#26
2-Nitrophenol
Concen: 6.207 ng
RT: 9.73 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion: 139 Resp: 35274
Ion Ratio Lower Upper
139 100
109 28.9 22.6 33.8
65 46.1 37.0 55.4



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): BM0

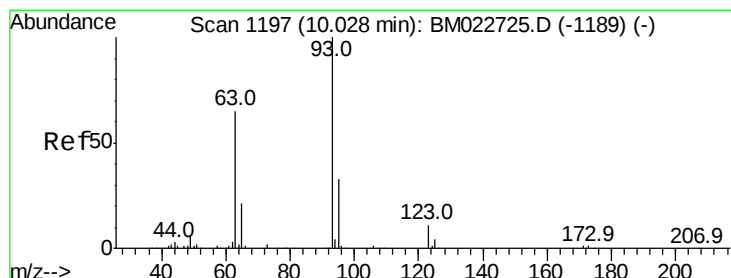
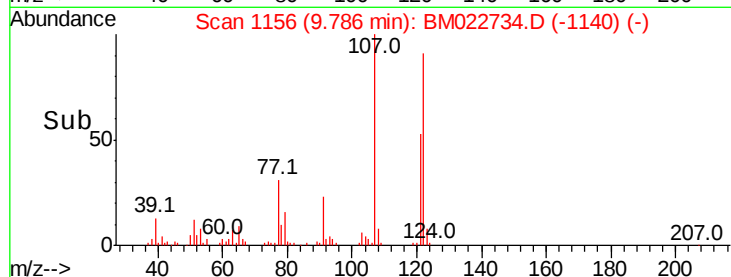
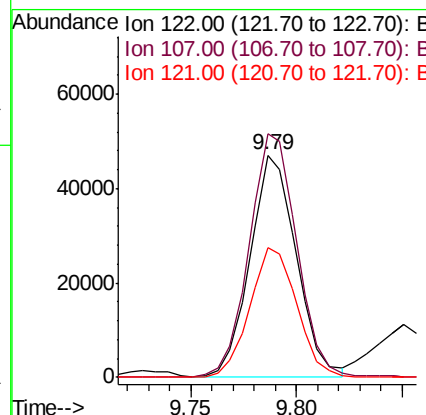
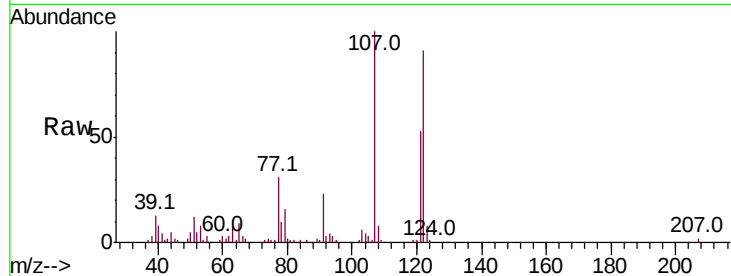




#27
2,4-Dimethylphenol
Concen: 7.562 ng
RT: 9.79 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

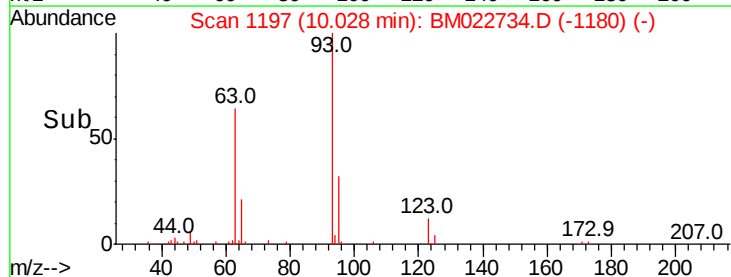
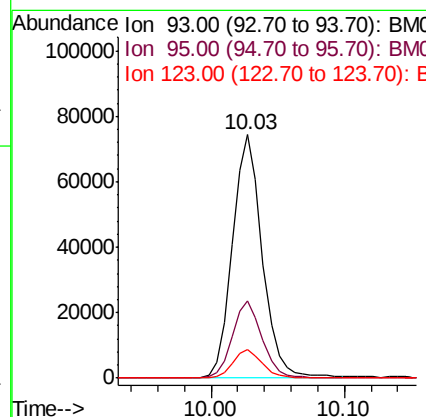
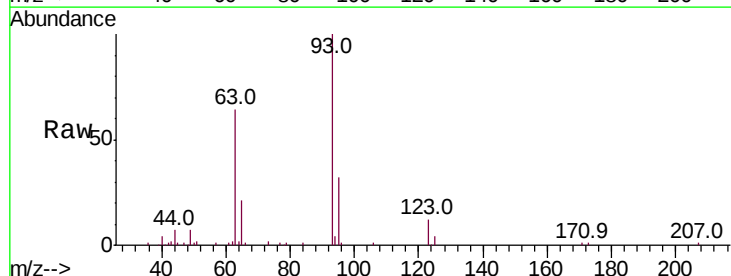
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

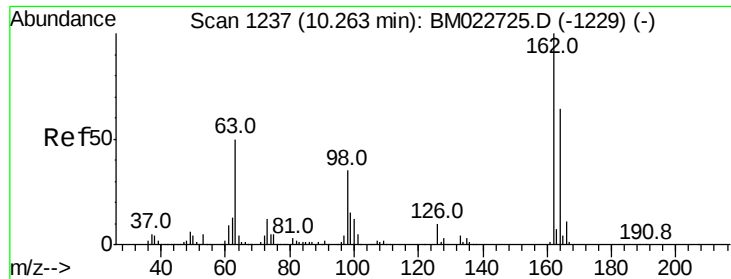
Tot Ion:122 Resp: 71946
Ion Ratio Lower Upper
122 100
107 109.7 88.9 133.3
121 58.5 46.5 69.7



#28
bis(2-Chloroethoxy)methane
Concen: 7.444 ng
RT: 10.03 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion: 93 Resp: 116541
Ion Ratio Lower Upper
93 100
95 31.5 26.0 39.0
123 11.7 9.0 13.6





#29

2,4-Dichlorophenol

Concen: 6.863 ng

RT: 10.26 min Scan# 1237

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

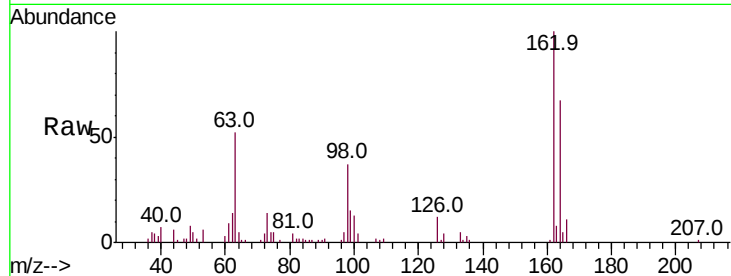
Tot Ion:162 Resp: 73823

Ion Ratio Lower Upper

162 100

164 66.8 44.4 84.4

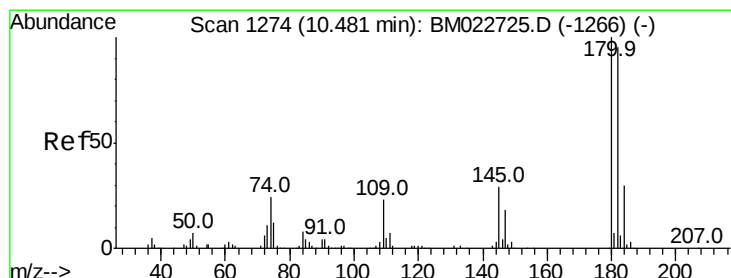
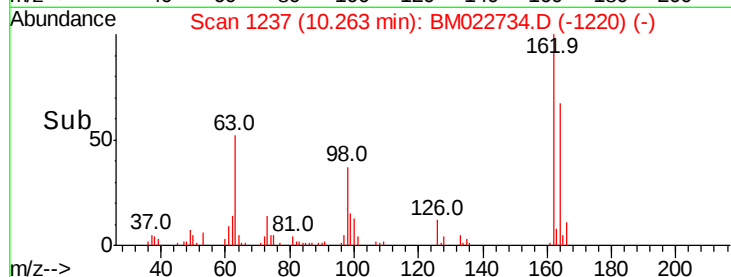
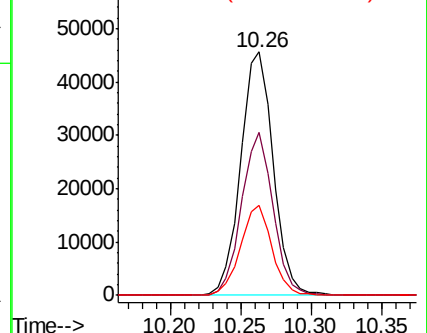
98 37.2 14.8 54.8



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): B



#30

1,2,4-Trichlorobenzene

Concen: 7.395 ng

RT: 10.48 min Scan# 1274

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

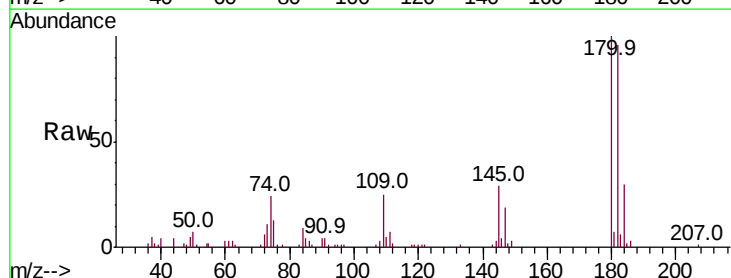
Tgt Ion:180 Resp: 97867

Ion Ratio Lower Upper

180 100

182 96.0 76.2 114.2

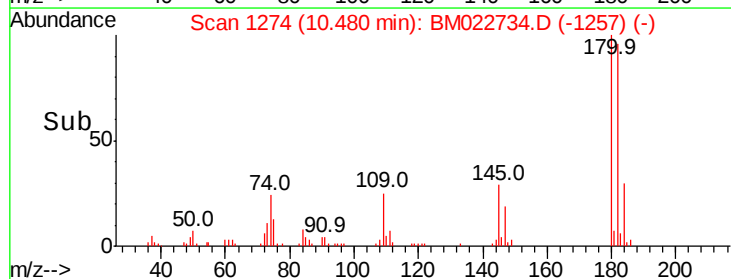
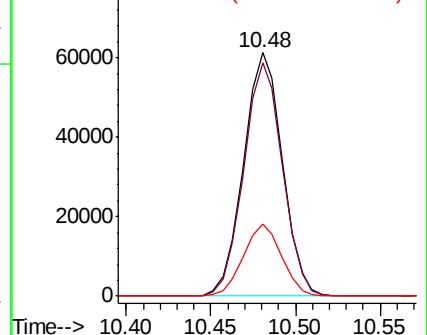
145 29.4 23.0 34.4

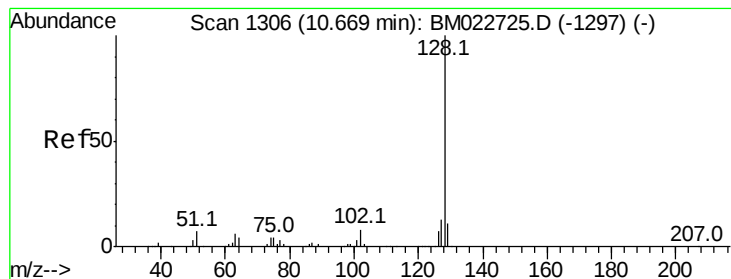


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

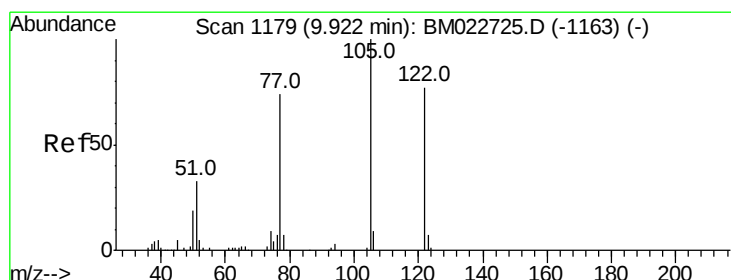
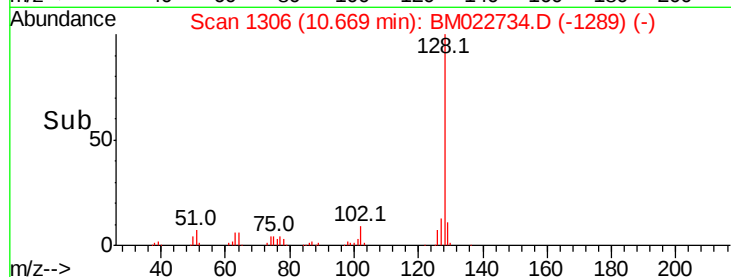
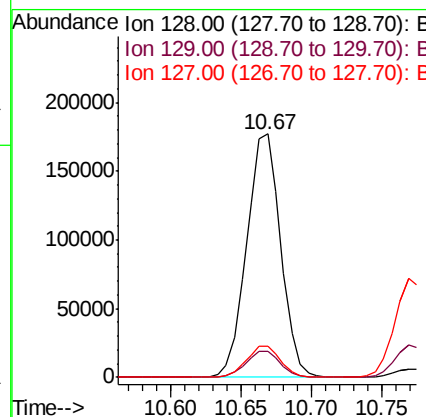
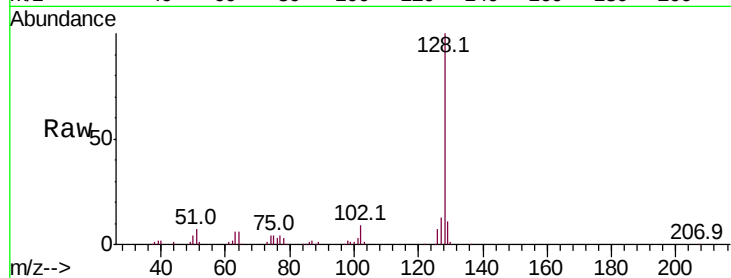




#31
Naphthalene
Concen: 7.912 ng
RT: 10.67 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

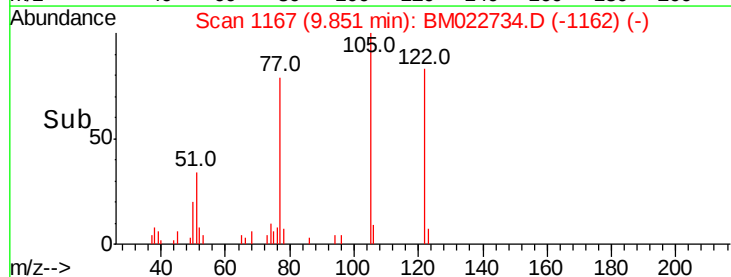
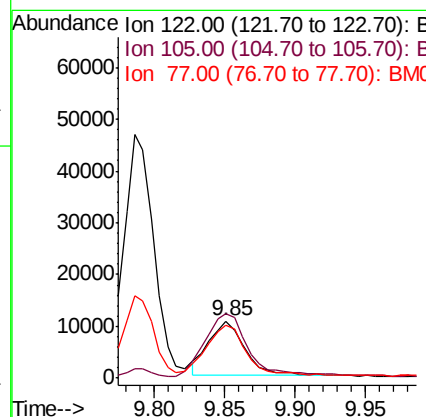
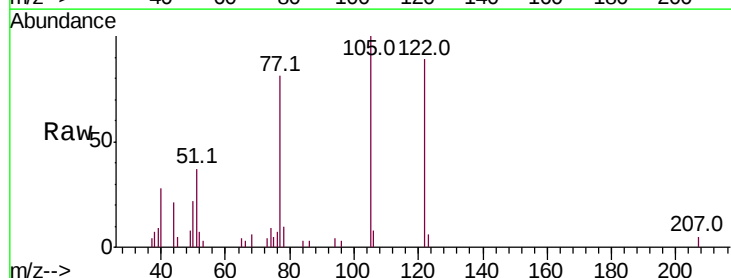
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

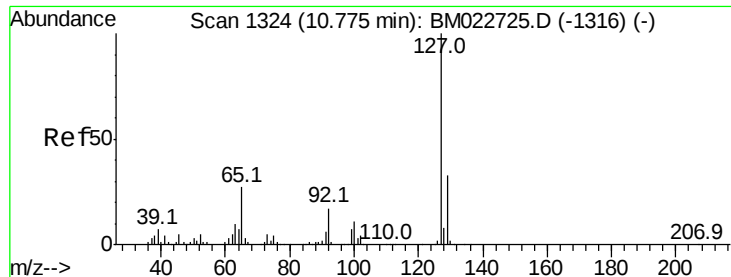
Tot Ion:128	Resp:	298593
Ion Ratio	Lower	Upper
128	100	
129	10.7	8.8 13.2
127	13.0	10.2 15.4



#32
Benzoic acid
Concen: 6.623 ng
RT: 9.85 min Scan# 1167
Delta R.T. -0.07 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion:122	Resp:	19230
Ion Ratio	Lower	Upper
122	100	
105	112.8	105.3 145.3
77	91.6	74.7 114.7

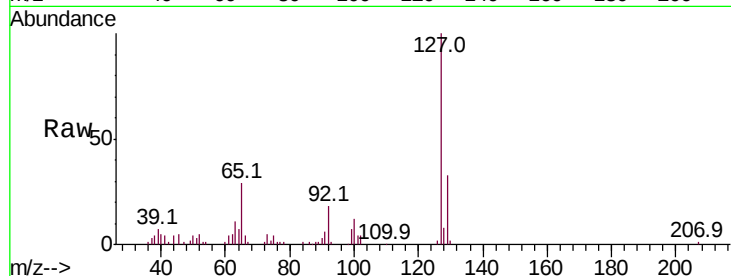




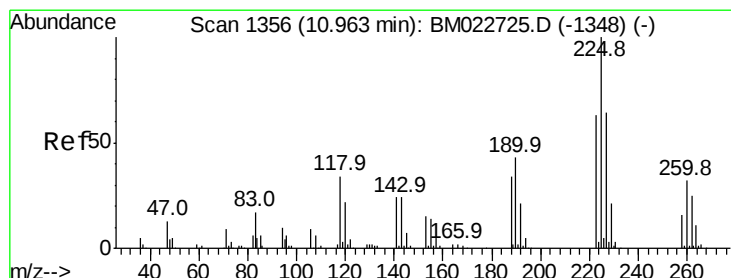
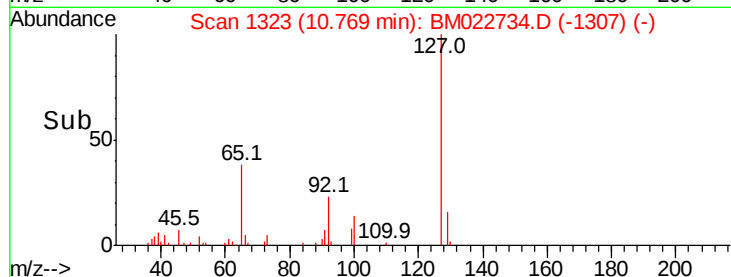
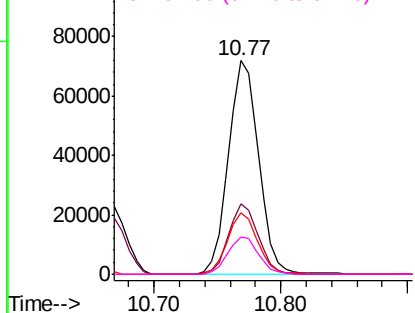
#33
4-Chloroaniline
Concen: 7.250 ng
RT: 10.77 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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

Tot Ion:	127	Resp:	118798
Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.1	39.1
65	29.1	22.0	33.0
92	17.6	13.8	20.8

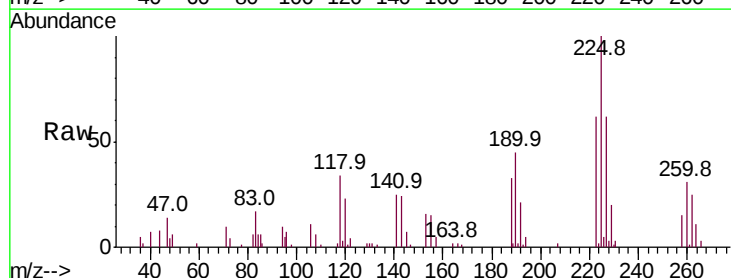


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM
Ion 92.00 (91.70 to 92.70): BM

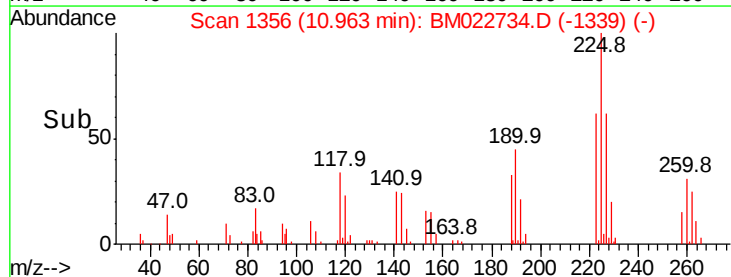
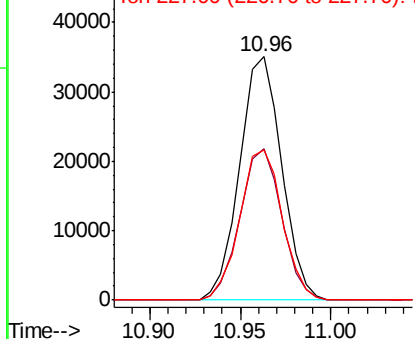


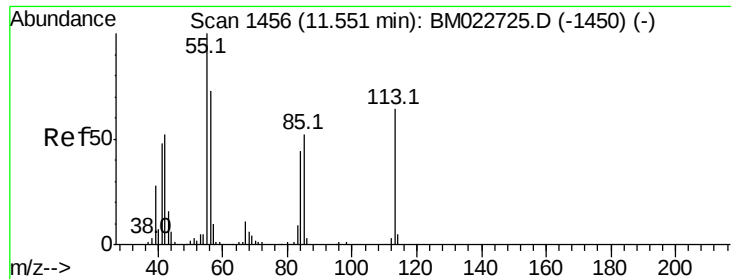
#34
Hexachlorobutadiene
Concen: 7.174 ng
RT: 10.96 min Scan# 1356
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion:	225	Resp:	56597
Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.2	75.4
227	61.8	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

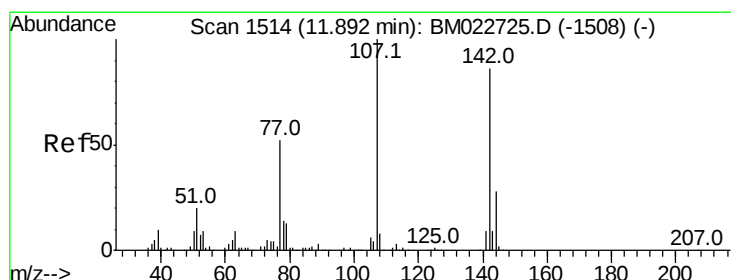
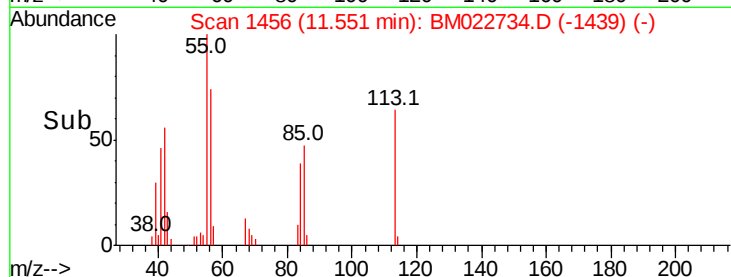
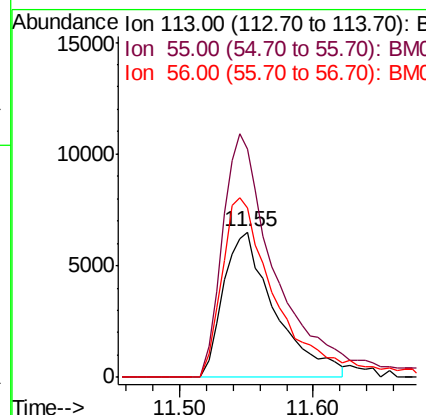
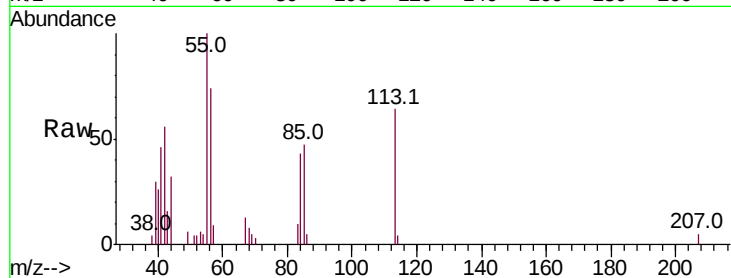




#35
 Caprolactam
 Concen: 5.528 ng
 RT: 11.55 min Scan# 1456
 Delta R.T. -0.00 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

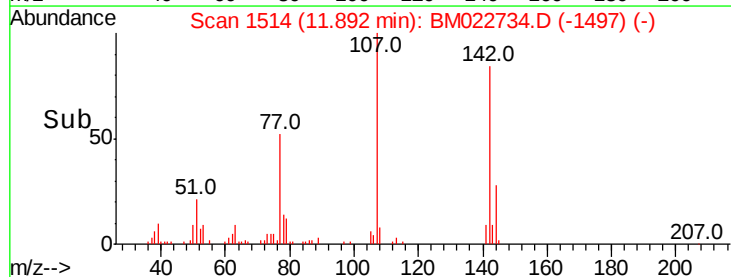
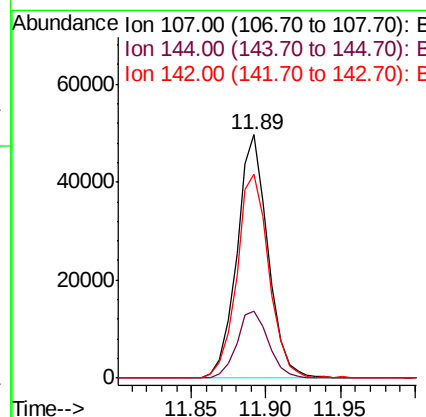
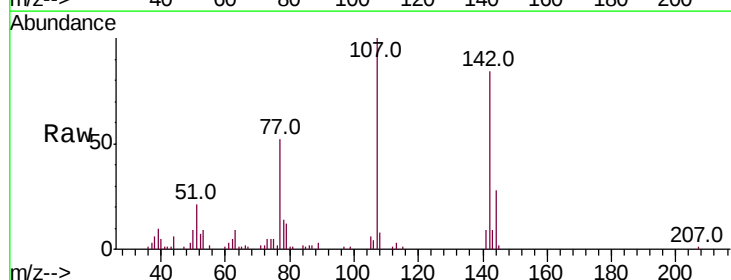
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

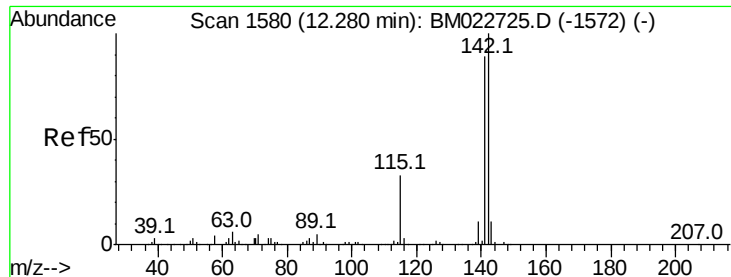
Tot Ion:113 Resp: 17629
 Ion Ratio Lower Upper
 113 100
 55 157.0 136.8 176.8
 56 116.9 95.2 135.2



#36
 4-Chloro-3-methylphenol
 Concen: 6.843 ng
 RT: 11.89 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

Tgt Ion:107 Resp: 71821
 Ion Ratio Lower Upper
 107 100
 144 27.8 22.4 33.6
 142 83.6 68.2 102.4

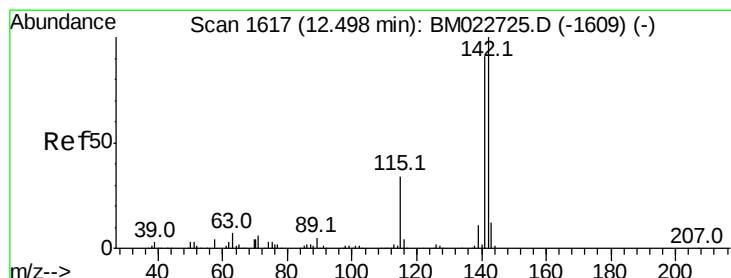
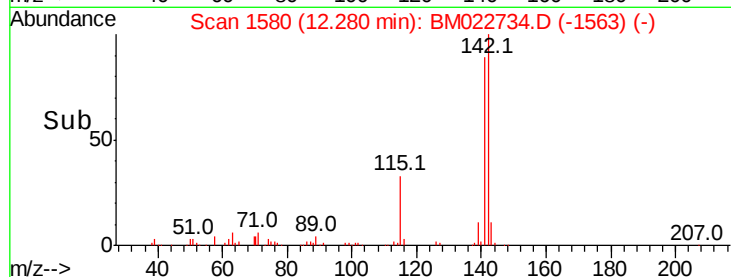
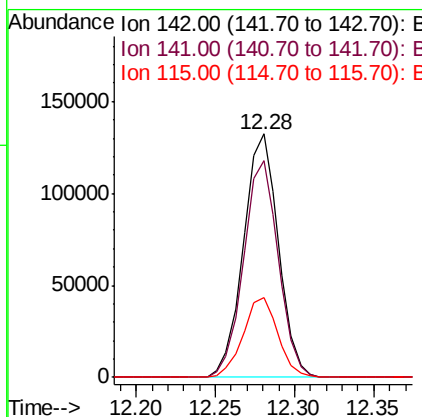
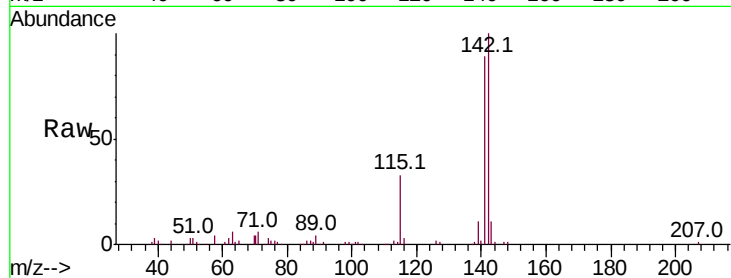




#37
2-Methylnaphthalene
Concen: 7.720 ng
RT: 12.28 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

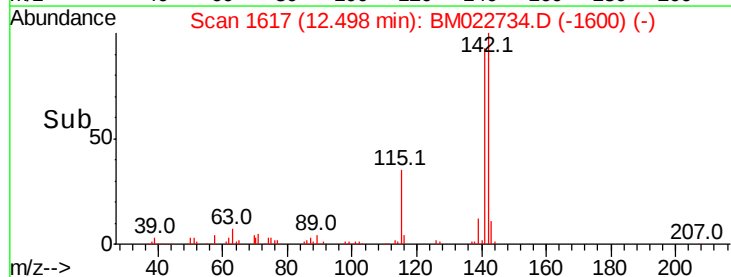
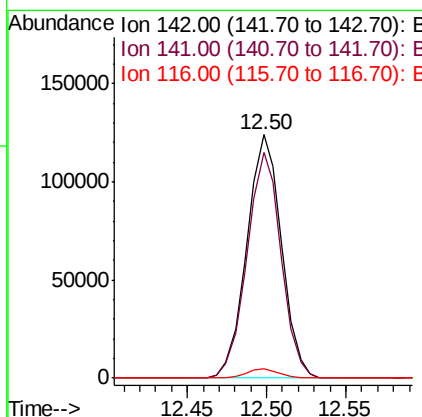
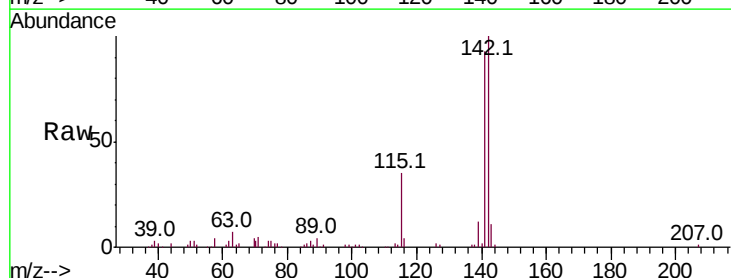
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

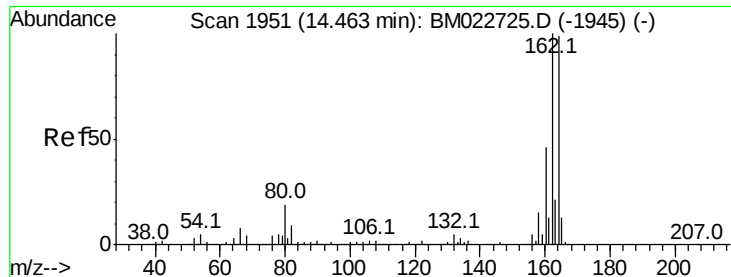
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.5	107.3
115	32.5	26.1	39.1



#38
1-Methylnaphthalene
Concen: 7.561 ng
RT: 12.50 min Scan# 1617
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.8	73.0	109.4
116	3.6	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: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

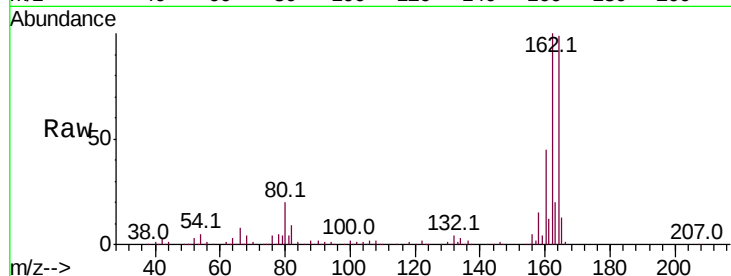
Tot Ion:164 Resp: 425482

Ion Ratio Lower Upper

164 100

162 100.9 81.1 121.7

160 45.2 36.9 55.3

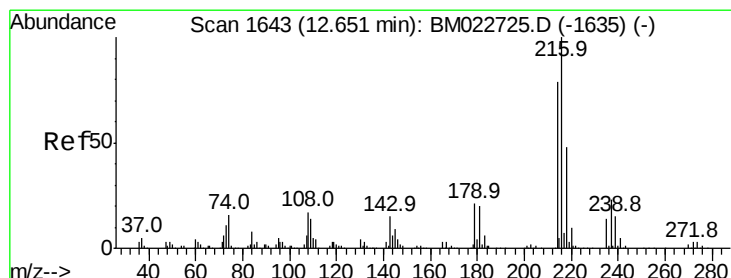
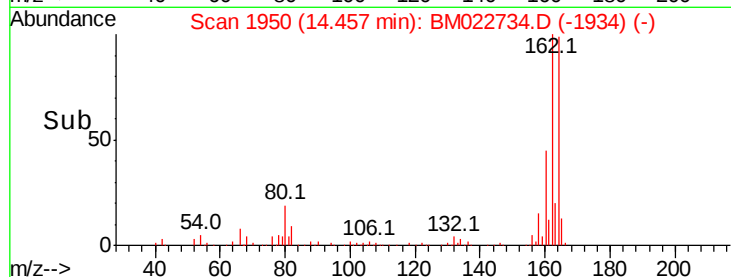
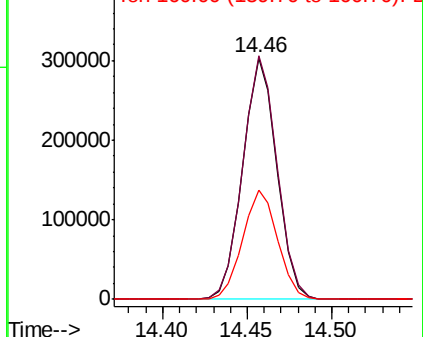


Abundance

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: 7.011 ng

RT: 12.65 min Scan# 1643

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Tgt Ion:216 Resp: 101083

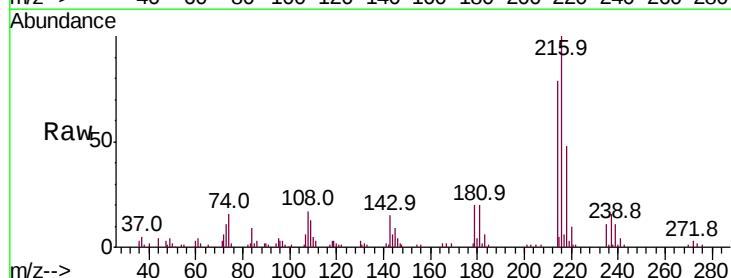
Ion Ratio Lower Upper

216 100

214 79.0 62.9 94.3

179 20.7 16.6 24.8

108 18.9 14.2 21.4



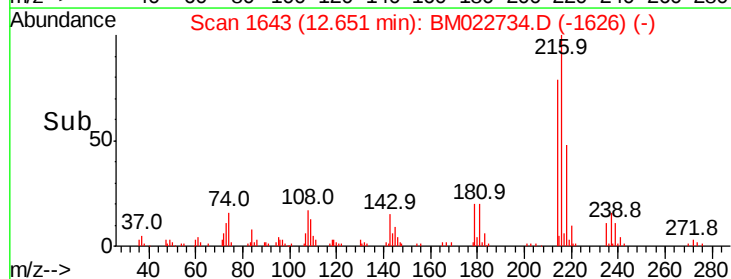
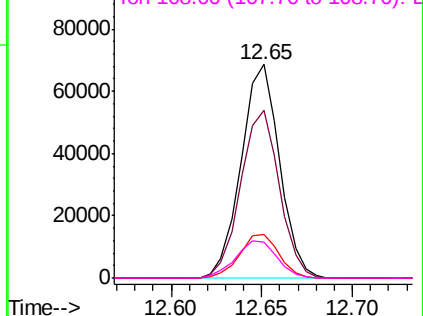
Abundance

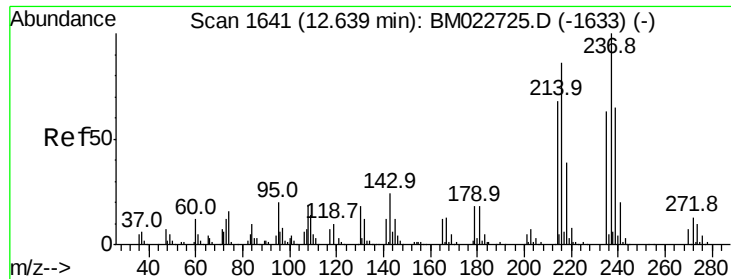
Ion 216.00 (215.70 to 216.70): E

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

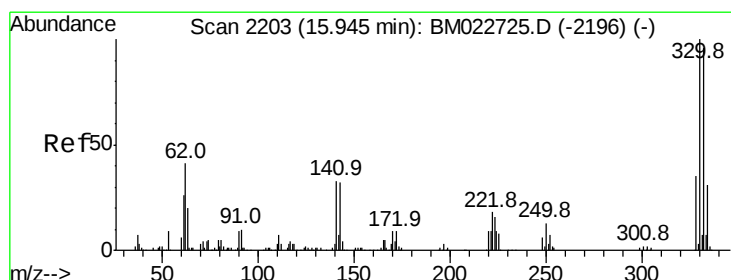
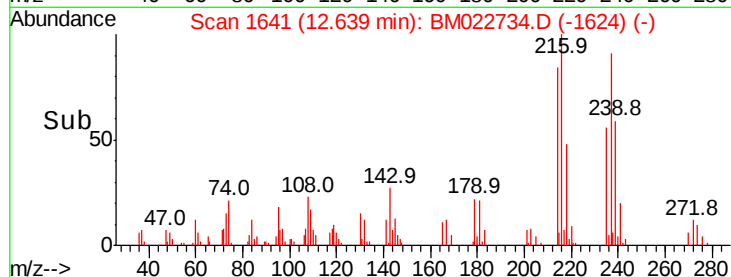
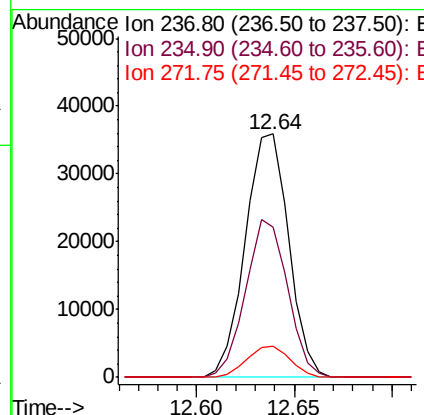
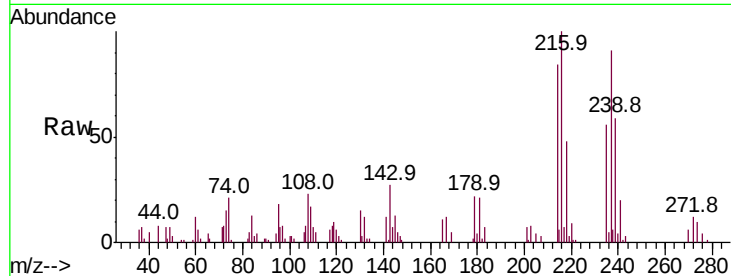




#41
Hexachlorocyclopentadiene
Concen: 7.044 ng
RT: 12.64 min Scan# 1641
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

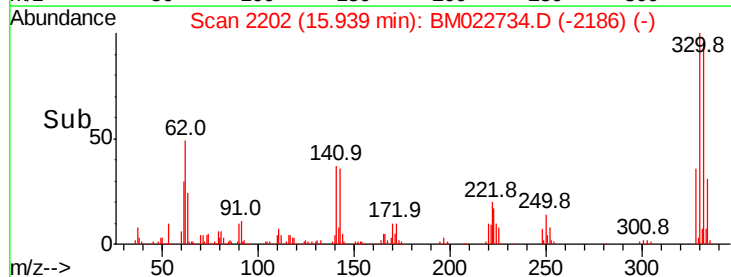
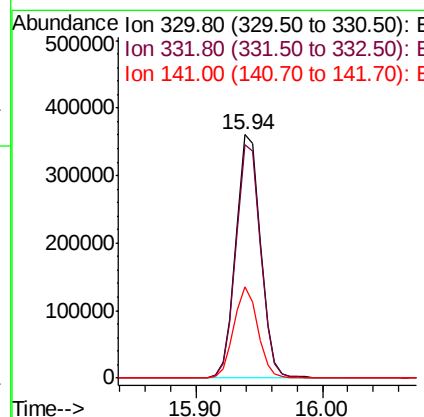
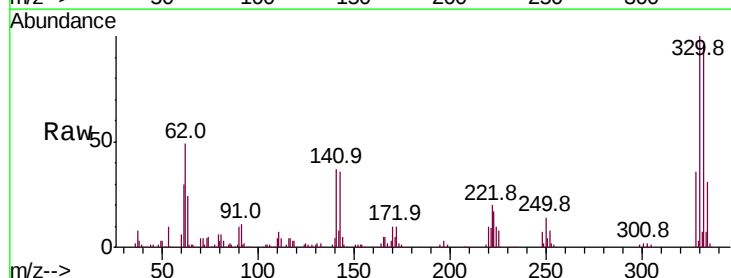
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

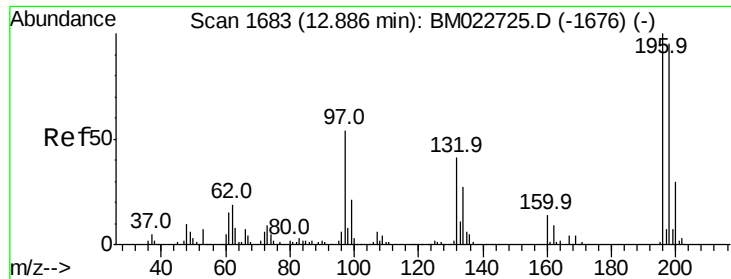
Tot Ion:237 Resp: 55405
Ion Ratio Lower Upper
237 100
235 61.8 43.3 83.3
272 13.0 0.0 32.6



#42
2,4,6-Tribromophenol
Concen: 91.123 ng
RT: 15.94 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion:330 Resp: 483997
Ion Ratio Lower Upper
330 100
332 96.5 76.9 115.3
141 36.4 28.6 42.8

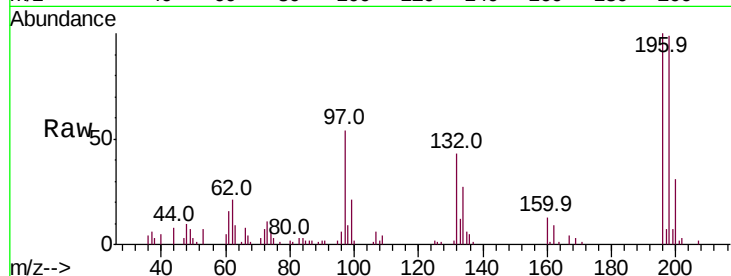




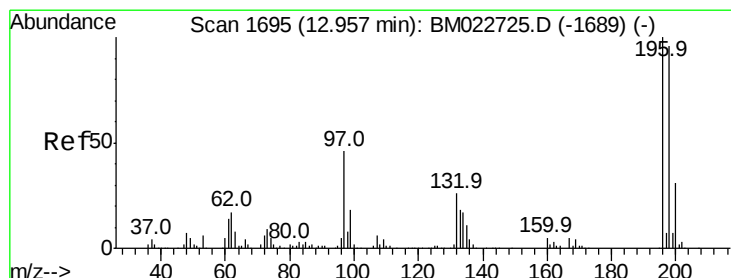
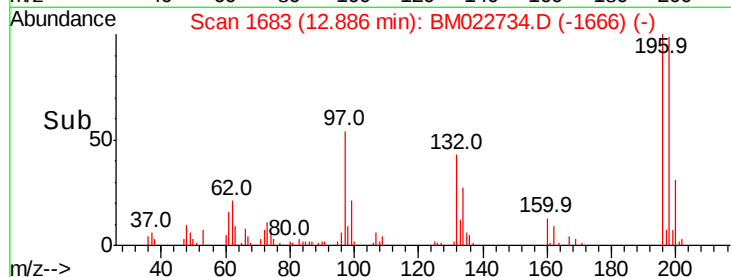
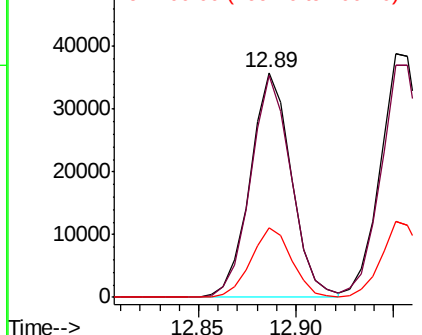
#43
 2,4,6-Trichlorophenol
 Concen: 6.272 ng
 RT: 12.89 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

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

Tot Ion:196 Resp: 52189
 Ion Ratio Lower Upper
 196 100
 198 98.9 76.3 114.5
 200 31.0 24.4 36.6



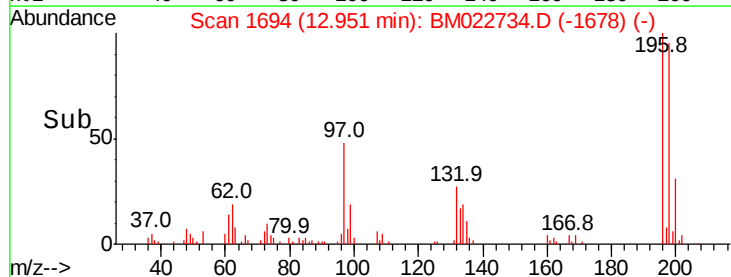
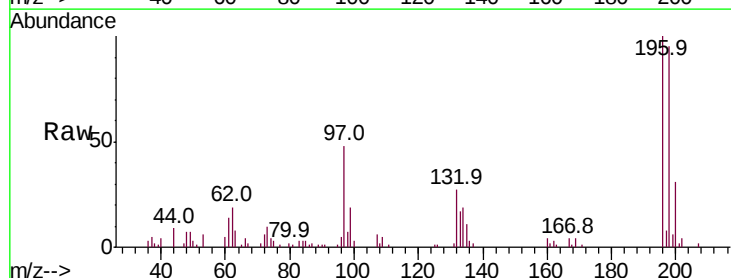
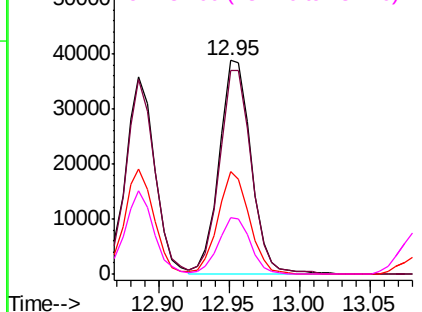
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

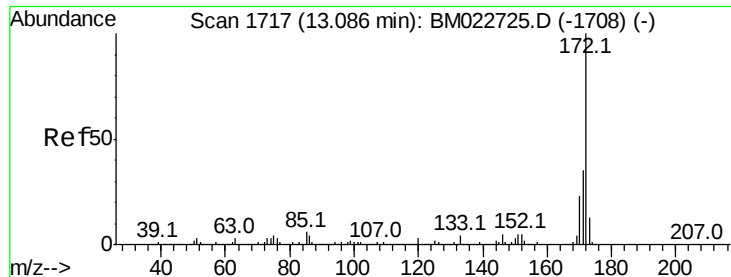


#44
 2,4,5-Trichlorophenol
 Concen: 7.078 ng
 RT: 12.95 min Scan# 1694
 Delta R.T. -0.01 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

Tgt Ion:196 Resp: 61378
 Ion Ratio Lower Upper
 196 100
 198 95.3 77.0 115.4
 97 48.2 37.2 55.8
 132 26.6 20.8 31.2

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BM0
 Ion 132.00 (131.70 to 132.70): E

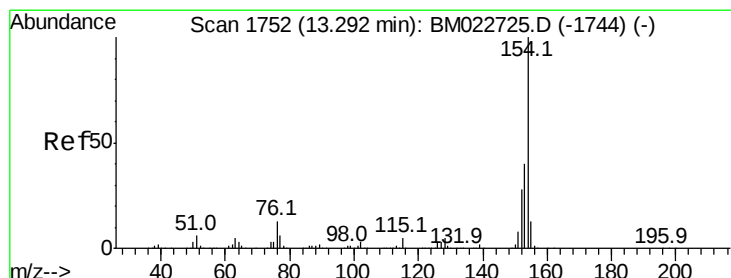
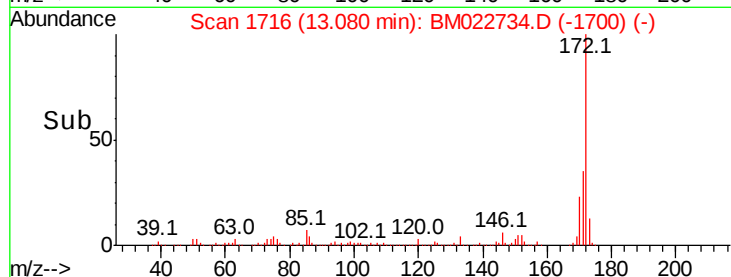
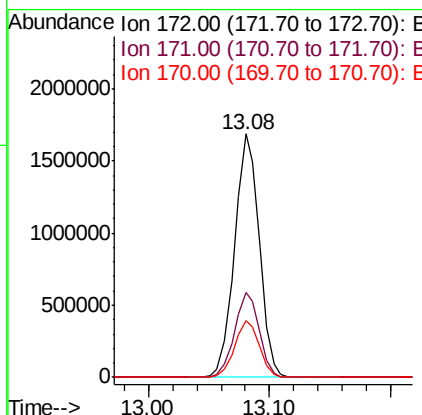
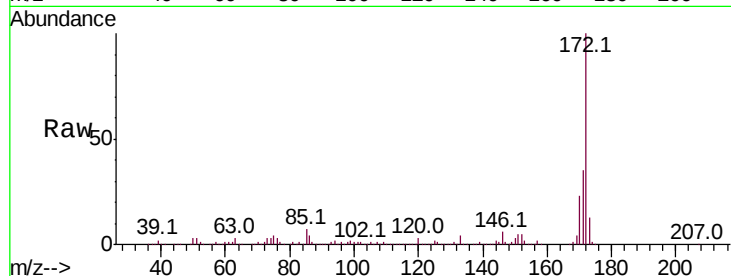




#45
2-Fluorobiphenyl
Concen: 77.445 ng
RT: 13.08 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

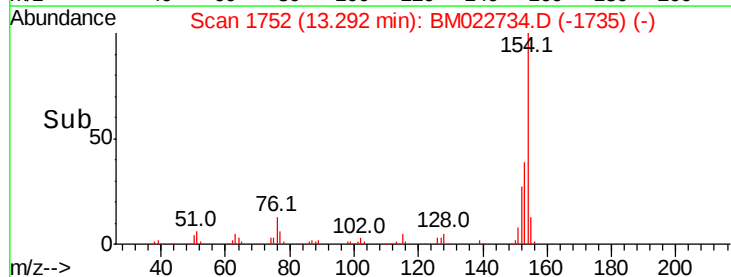
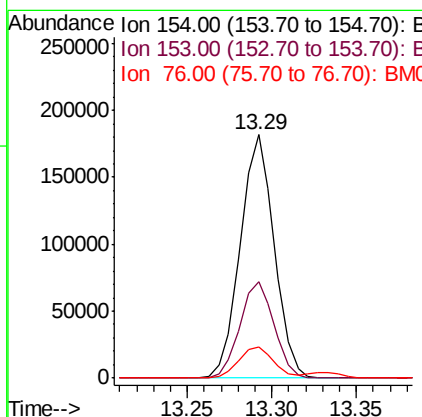
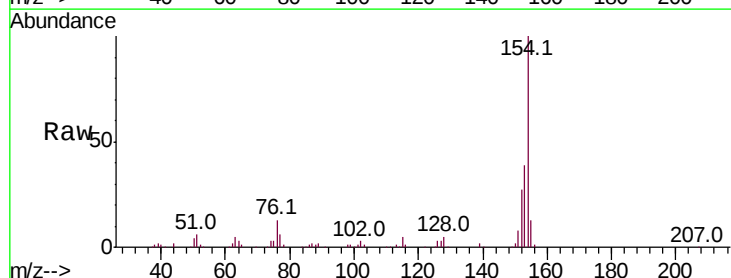
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

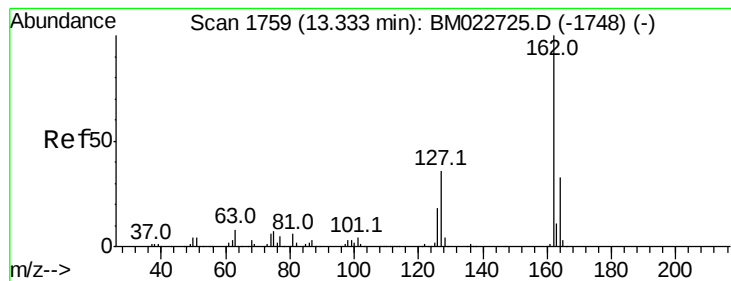
Tot Ion:172 Resp: 2392904
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.8
170 23.4 18.7 28.1



#46
1,1'-Biphenyl
Concen: 7.198 ng
RT: 13.29 min Scan# 1752
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion:154 Resp: 253476
Ion Ratio Lower Upper
154 100
153 39.5 20.1 60.1
76 12.8 0.0 32.6

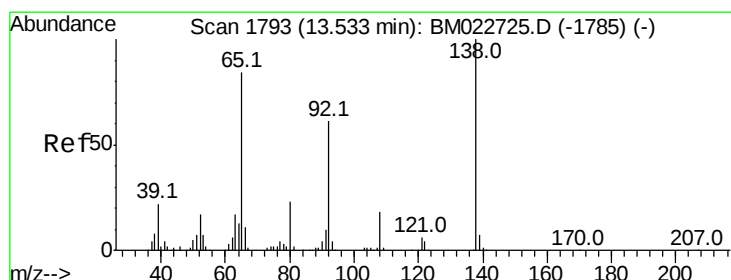
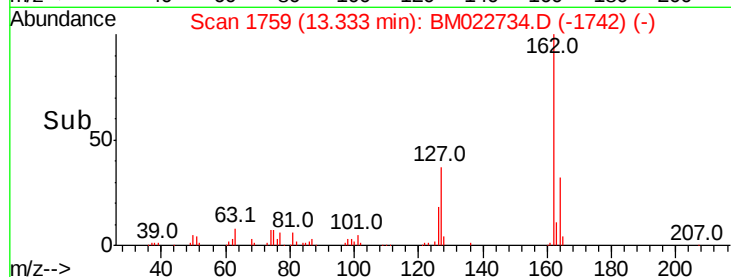
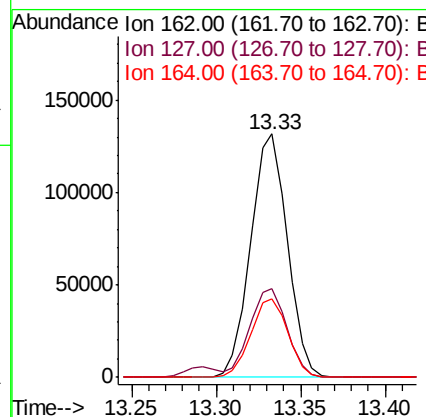
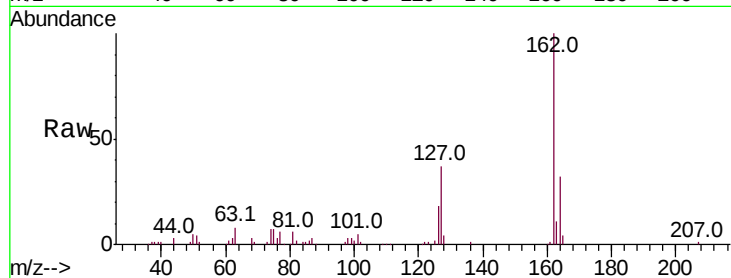




#47
 2-Chloronaphthalene
 Concen: 7.574 ng
 RT: 13.33 min Scan# 1759
 Delta R.T. -0.00 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

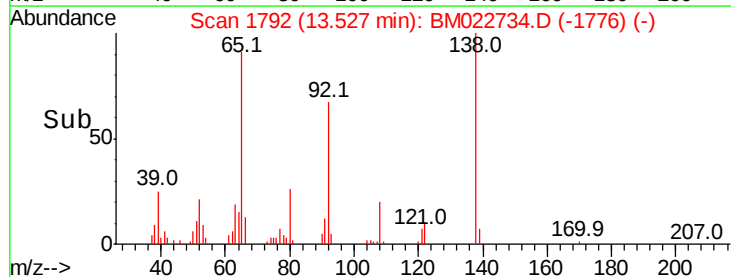
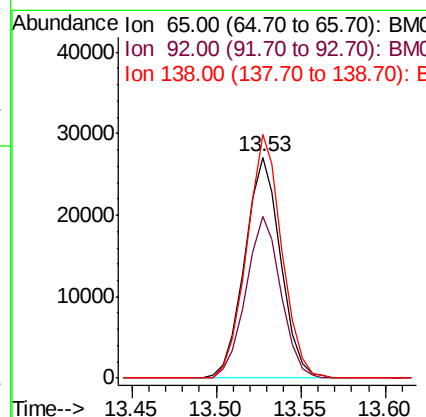
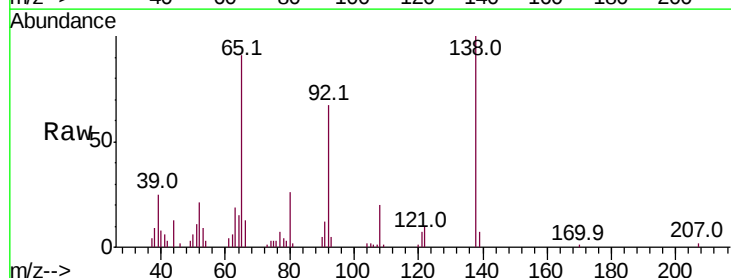
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

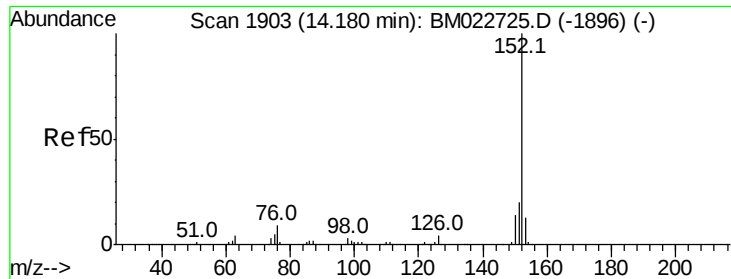
Tot Ion	Ratio	Lower	Upper
162	100		
127	36.5	29.0	43.6
164	32.1	26.0	39.0



#48
 2-Nitroaniline
 Concen: 5.846 ng
 RT: 13.53 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
65	100		
92	73.4	58.6	87.8
138	110.2	95.4	143.0





#49

Acenaphthylene

Concen: 7.496 ng

RT: 14.18 min Scan# 1903

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

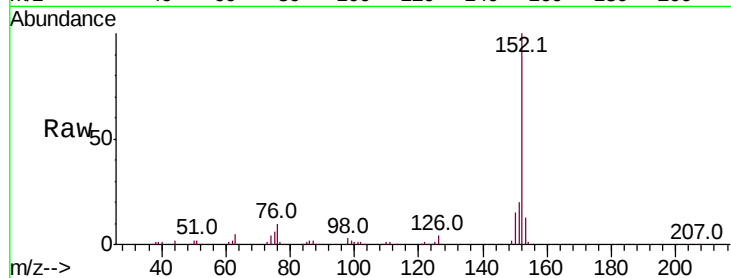
Tot Ion:152 Resp: 291330

Ion Ratio Lower Upper

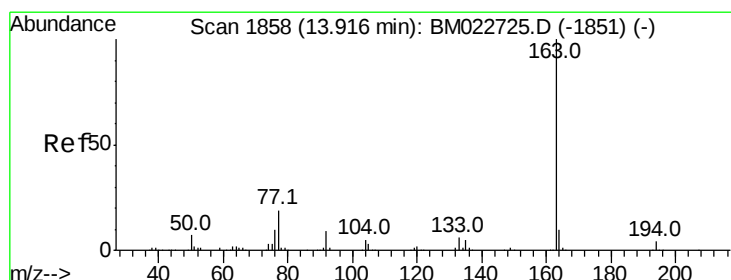
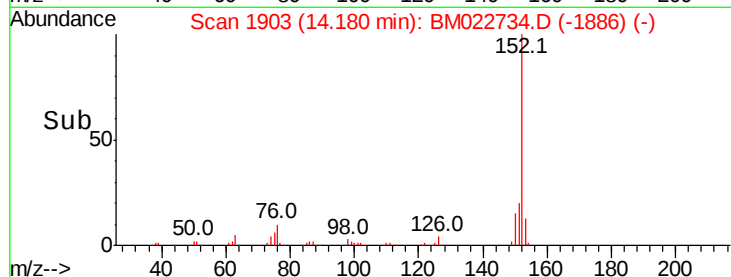
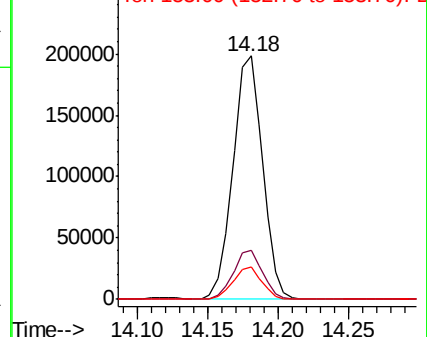
152 100

151 19.9 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: 7.131 ng

RT: 13.91 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

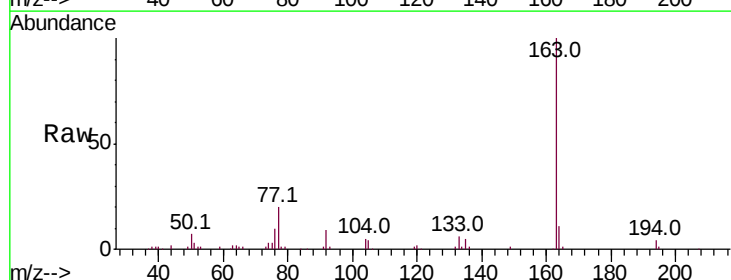
Tgt Ion:163 Resp: 219261

Ion Ratio Lower Upper

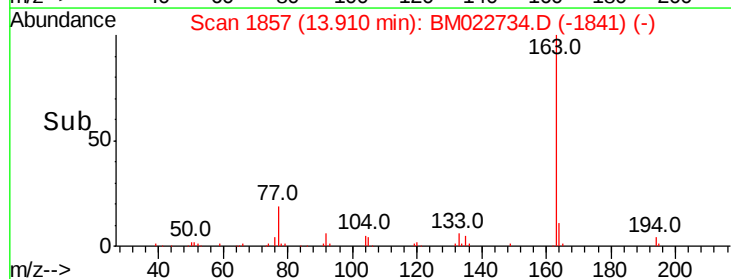
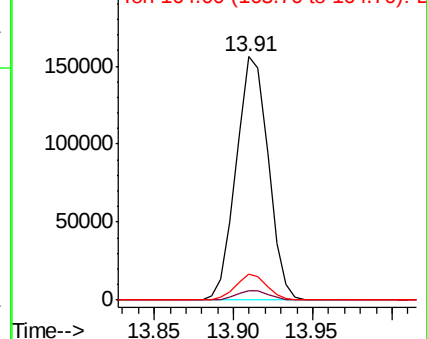
163 100

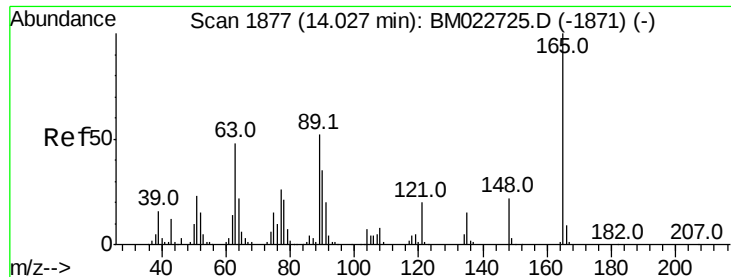
194 3.8 3.3 4.9

164 10.5 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: 6.536 ng

RT: 14.02 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

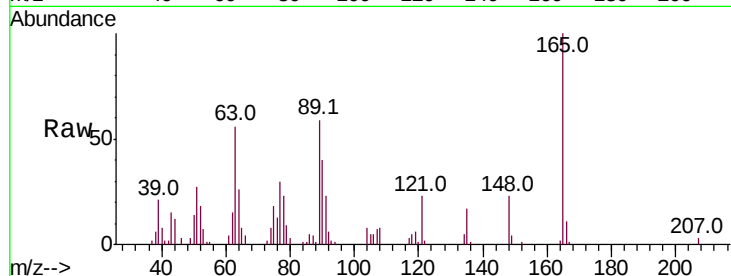
Tot Ion:165 Resp: 42039

Ion Ratio Lower Upper

165 100

63 56.0 38.6 58.0

89 58.8 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

40000

30000

20000

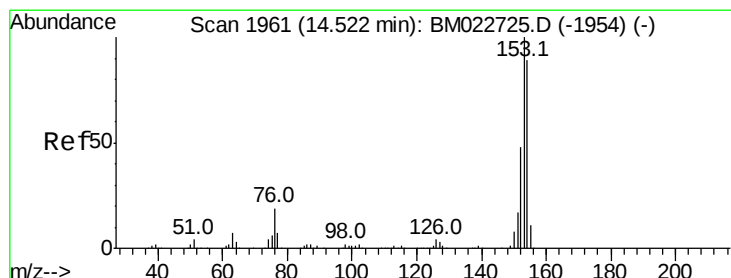
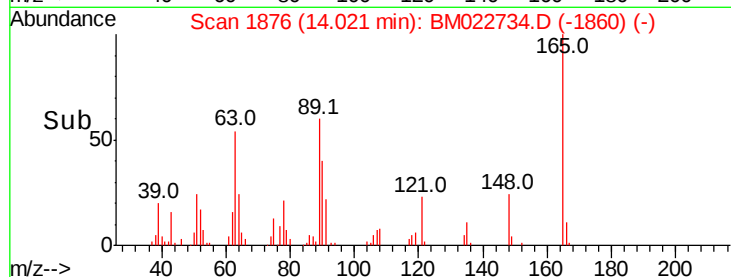
10000

0

14.02

13.95 14.00 14.05

Time-->



#52

Acenaphthene

Concen: 7.296 ng

RT: 14.52 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

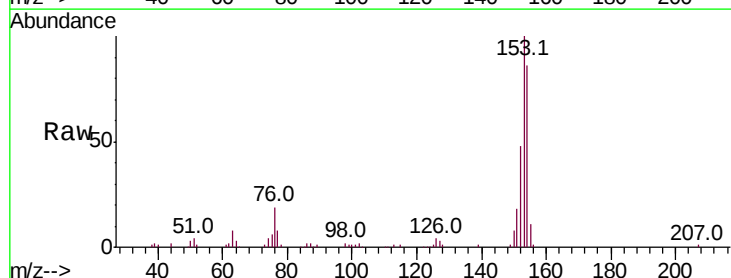
Tgt Ion:154 Resp: 185513

Ion Ratio Lower Upper

154 100

153 115.9 90.0 135.0

152 56.2 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

200000

150000

100000

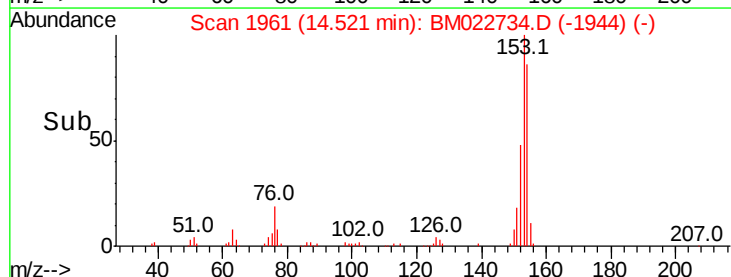
50000

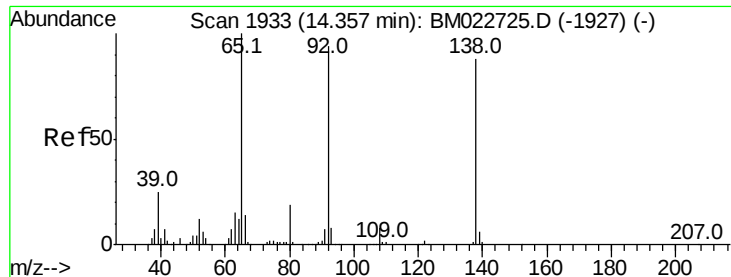
0

14.52

14.45 14.50 14.55 14.60

Time-->

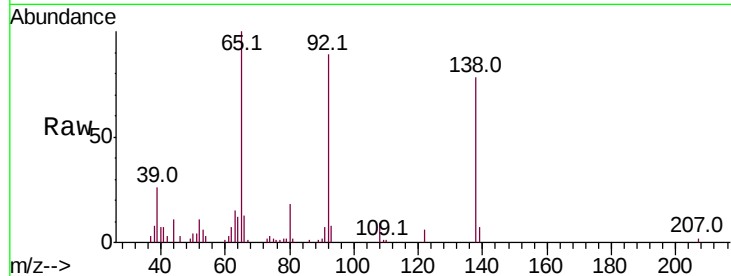




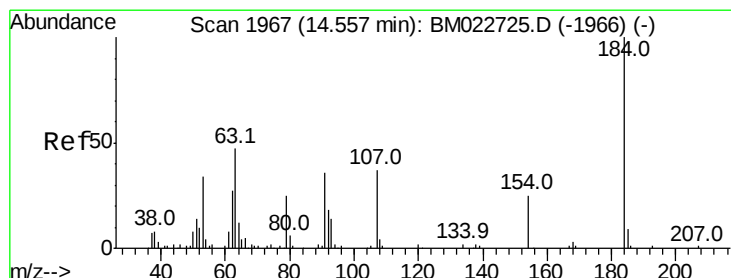
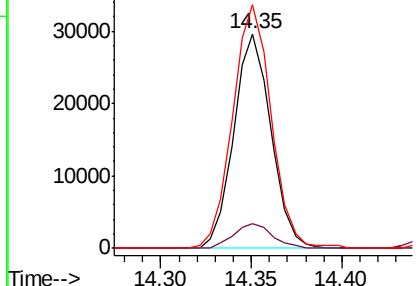
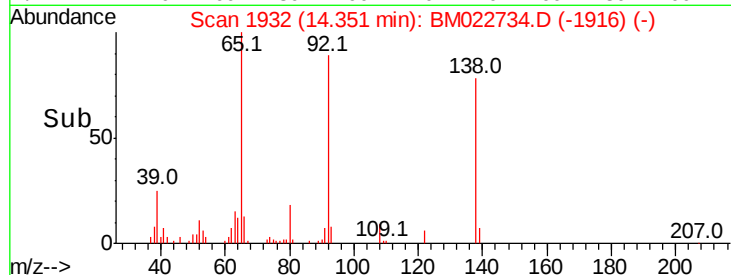
#53
 3-Nitroaniline
 Concen: 5.708 ng
 RT: 14.35 min Scan# 1932
 Delta R.T. -0.01 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

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

Tot Ion:138 Resp: 42266
 Ion Ratio Lower Upper
 138 100
 108 11.4 7.3 10.9#
 92 113.5 86.3 129.5

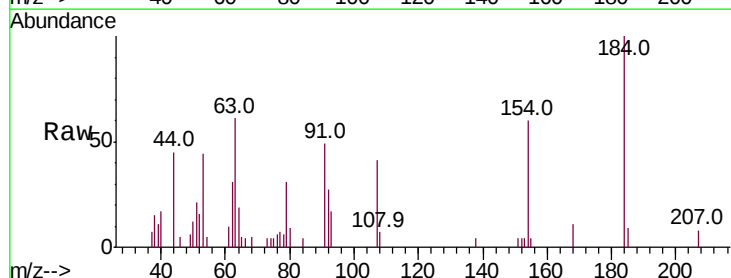


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BM

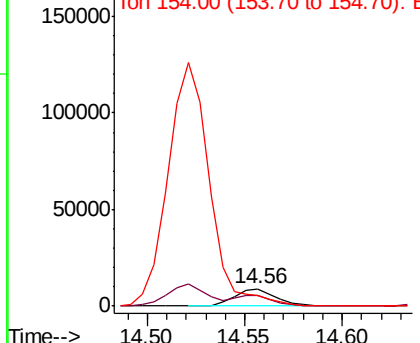
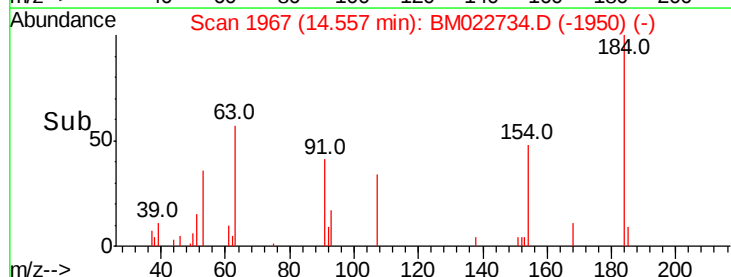


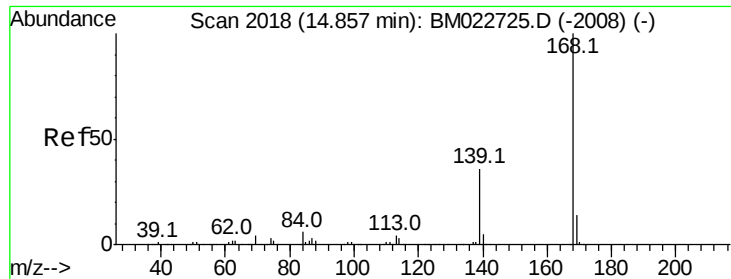
#54
 2,4-Dinitrophenol
 Concen: 10.393 ng
 RT: 14.56 min Scan# 1967
 Delta R.T. 0.00 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

Tgt Ion:184 Resp: 13153
 Ion Ratio Lower Upper
 184 100
 63 61.1 48.5 72.7
 154 59.5 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: 7.911 ng

RT: 14.86 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

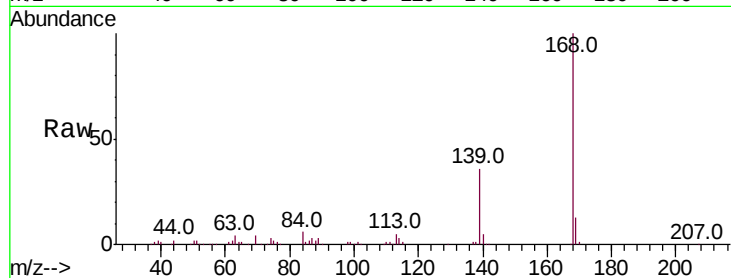
Tot Ion:168 Resp: 293658

Ion Ratio Lower Upper

168 100

139 36.0 28.8 43.2

169 13.2 10.9 16.3

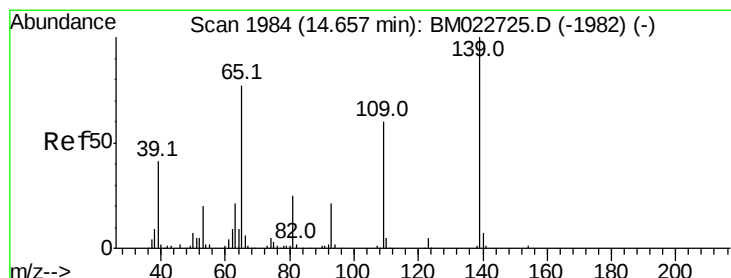
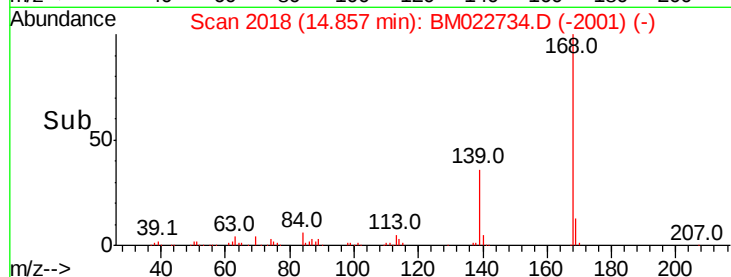
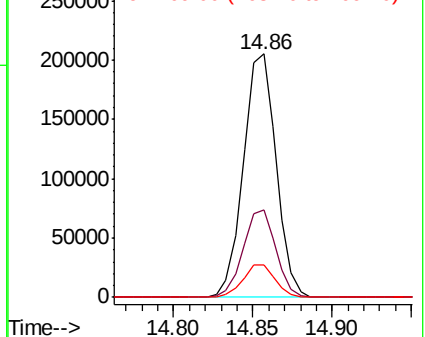


Abundance

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: 5.705 ng

RT: 14.65 min Scan# 1983

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

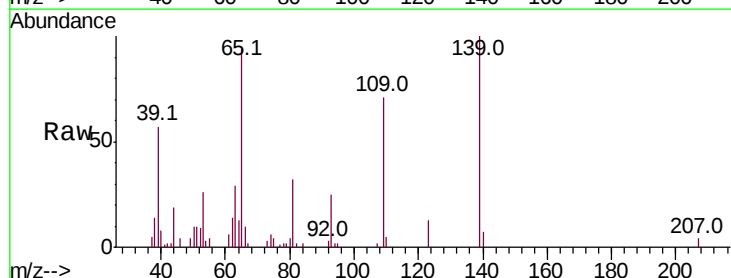
Tgt Ion:139 Resp: 32466

Ion Ratio Lower Upper

139 100

109 71.0 44.8 84.8

65 94.1 66.6 106.6

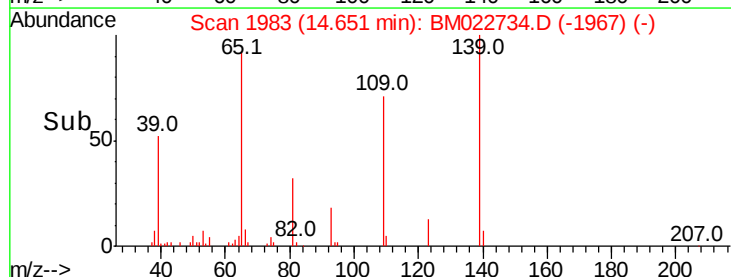
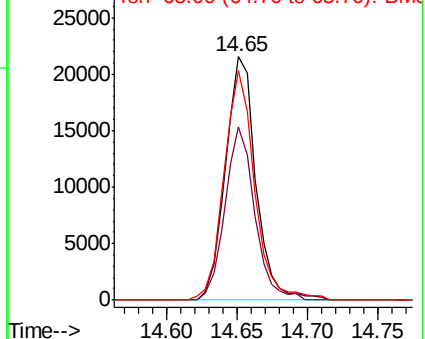


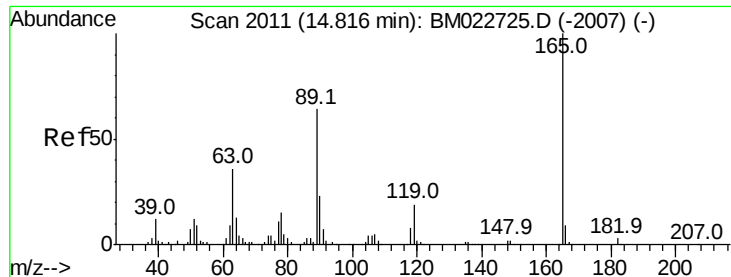
Abundance

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

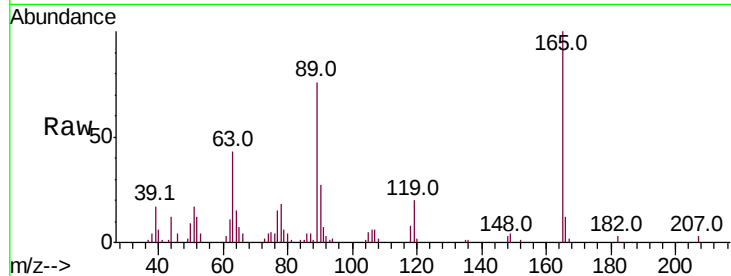




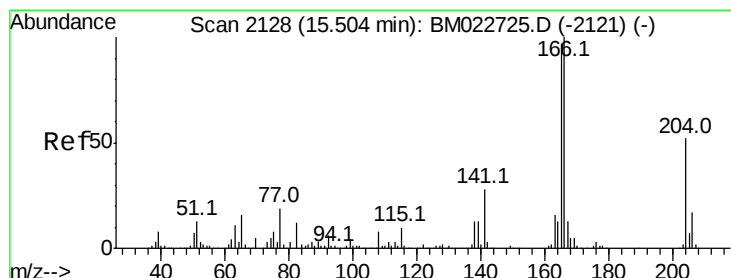
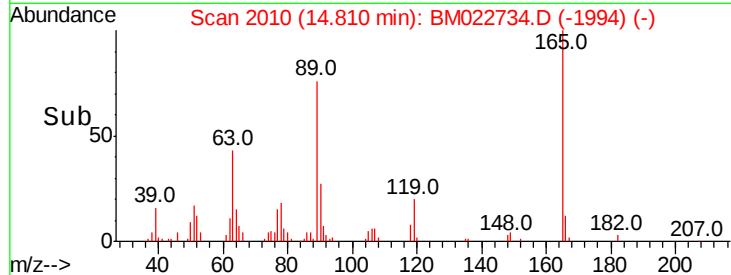
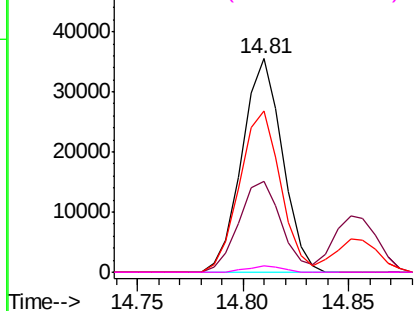
#57
 2,4-Dinitrotoluene
 Concen: 5.609 ng
 RT: 14.81 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

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

Tot Ion:165 Resp: 47265
 Ion Ratio Lower Upper
 165 100
 63 42.8 30.1 45.1
 89 75.7 52.5 78.7
 182 3.0 2.2 3.4

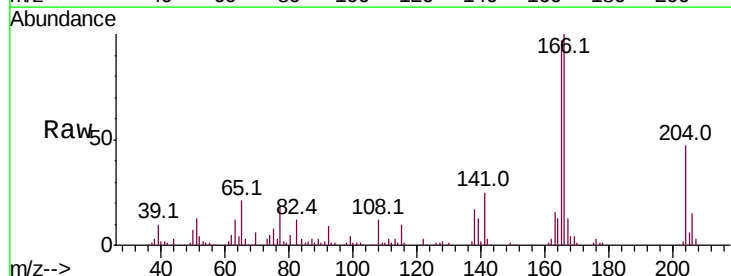


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BM
 Ion 89.00 (88.70 to 89.70): BM
 Ion 182.00 (181.70 to 182.70): E

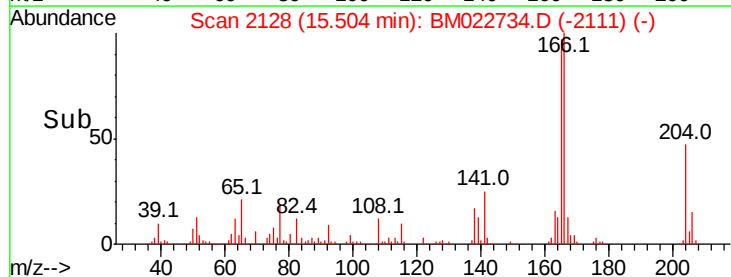
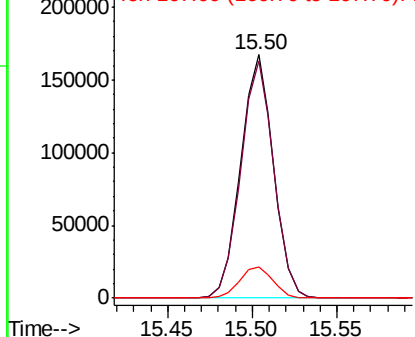


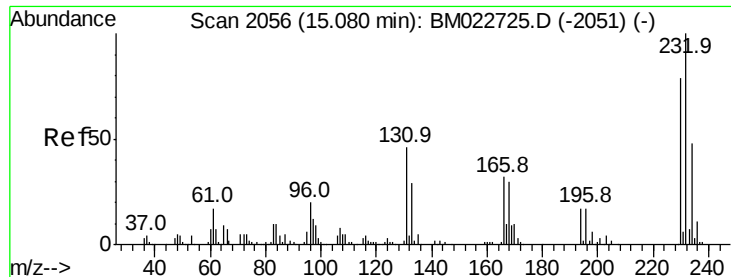
#58
 Fluorene
 Concen: 7.483 ng
 RT: 15.50 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

Tgt Ion:166 Resp: 225737
 Ion Ratio Lower Upper
 166 100
 165 97.4 77.6 116.4
 167 13.0 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

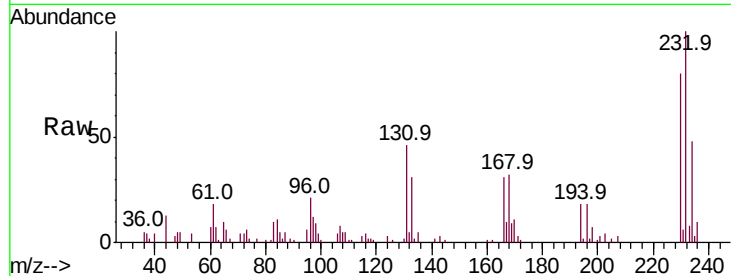




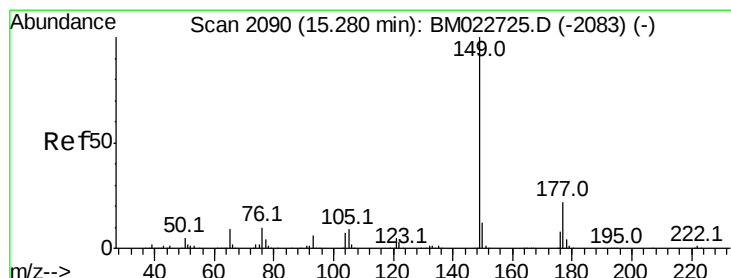
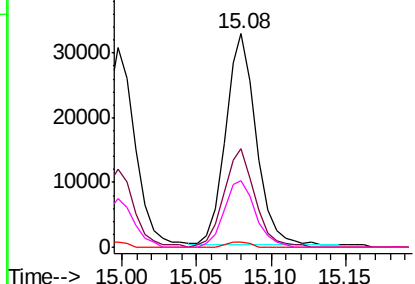
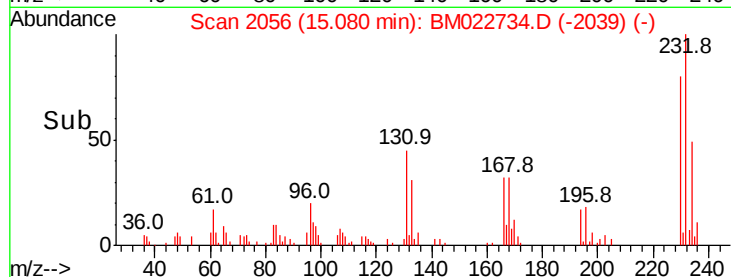
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 6.130 ng
 RT: 15.08 min Scan# 2056
 Delta R.T. -0.00 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

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

Tot Ion:	232	Resp:	46354
Ion	Ratio	Lower	Upper
232	100		
131	48.2	36.3	54.5
130	1.9	1.8	2.8
166	32.6	25.0	37.4

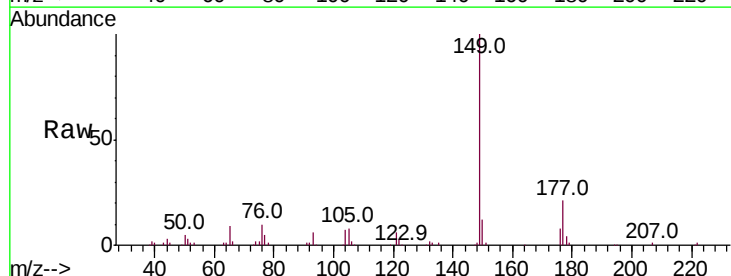


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

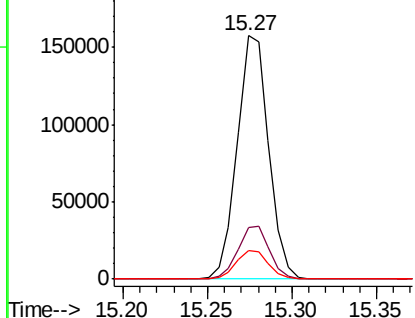
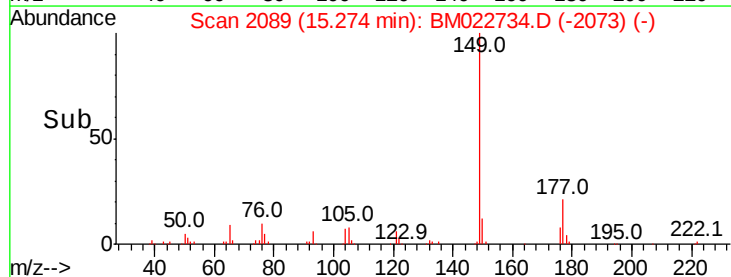


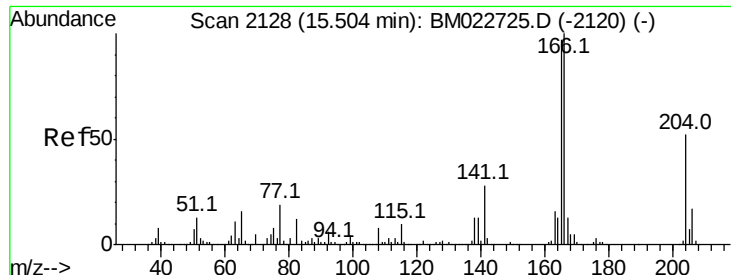
#60
 Diethylphthalate
 Concen: 6.839 ng
 RT: 15.27 min Scan# 2089
 Delta R.T. -0.01 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

Tgt Ion:	149	Resp:	204471
Ion	Ratio	Lower	Upper
149	100		
177	21.4	17.6	26.4
150	11.8	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

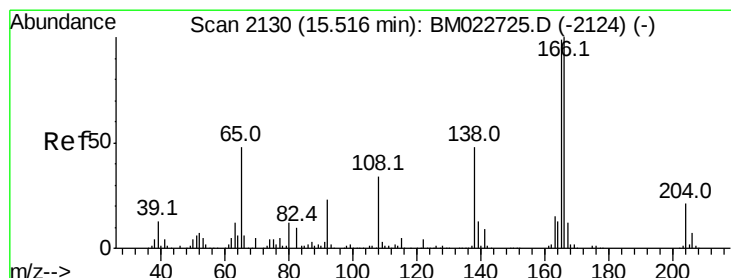
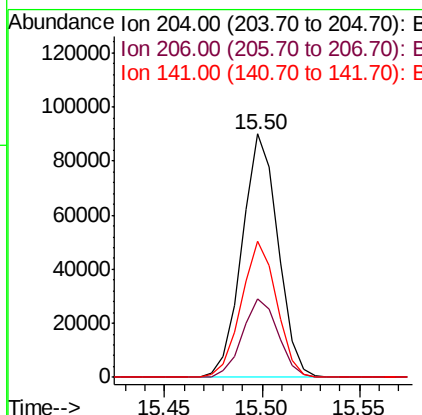
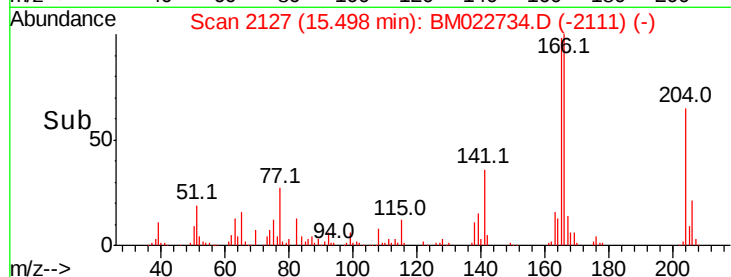
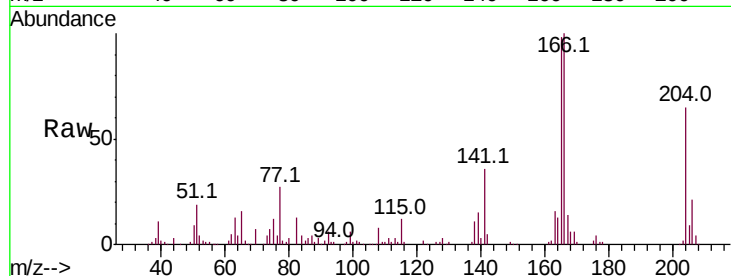




#61
 4-Chlorophenyl-phenylether
 Concen: 7.417 ng
 RT: 15.50 min Scan# 2127
 Delta R.T. -0.01 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

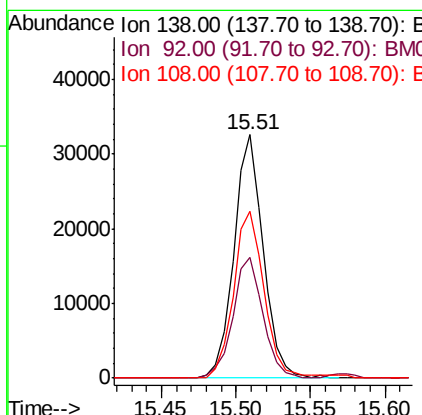
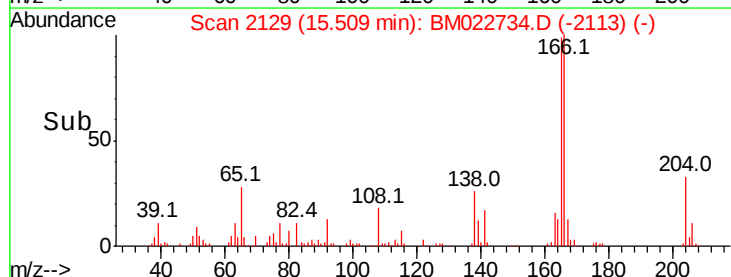
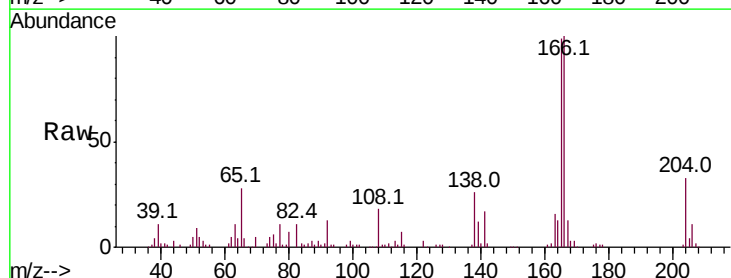
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

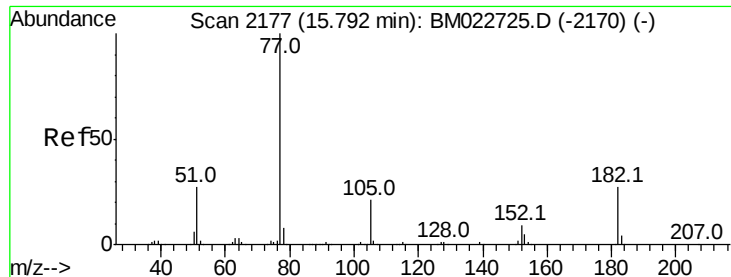
Tot Ion:	204	Resp:	114958
Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.2	39.4
141	56.2	42.6	64.0



#62
 4-Nitroaniline
 Concen: 5.728 ng
 RT: 15.51 min Scan# 2129
 Delta R.T. -0.01 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

Tgt Ion:	138	Resp:	44465
Ion	Ratio	Lower	Upper
138	100		
92	49.8	28.7	68.7
108	68.6	50.3	90.3





#63

Azobenzene

Concen: 7.092 ng

RT: 15.79 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 77 Resp: 191481

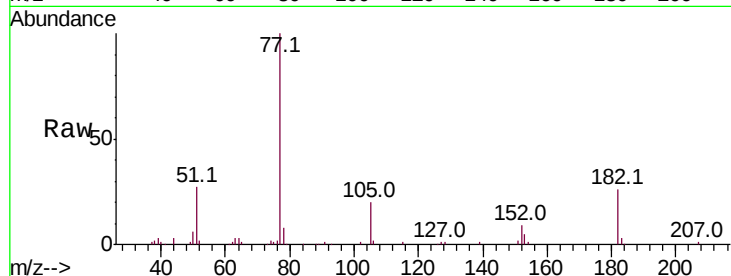
Ion Ratio Lower Upper

77 100

182 25.8 7.0 47.0

105 20.1 0.9 40.9

51 27.3 6.6 46.6

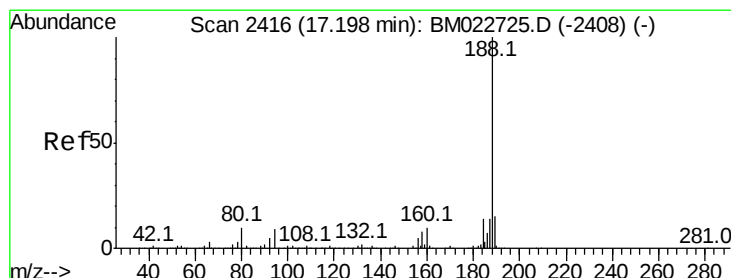
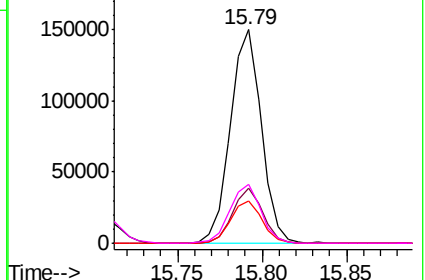
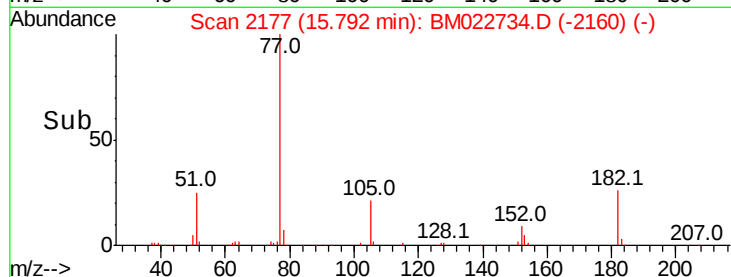


Abundance Ion 77.00 (76.70 to 77.70): BM0

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: BM022734.D

Acq: 20 Sep 2019 20:19

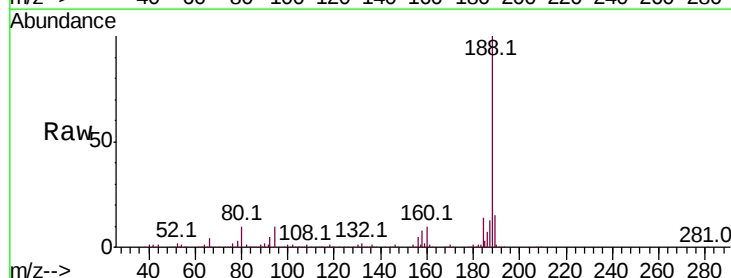
Tgt Ion: 188 Resp: 807555

Ion Ratio Lower Upper

188 100

94 9.8 7.3 10.9

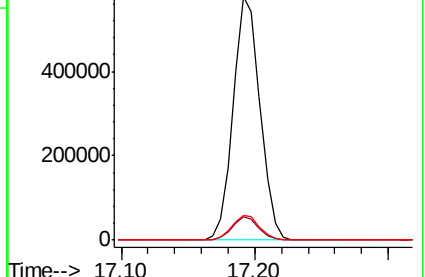
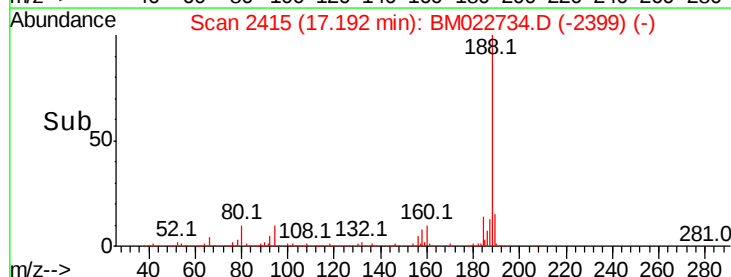
80 10.3 7.8 11.8

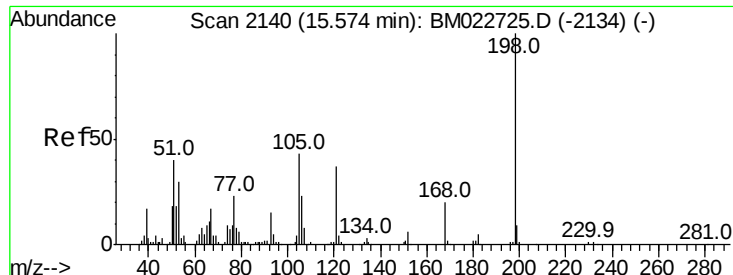


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

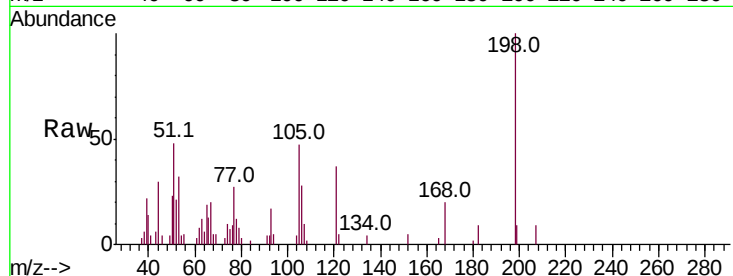




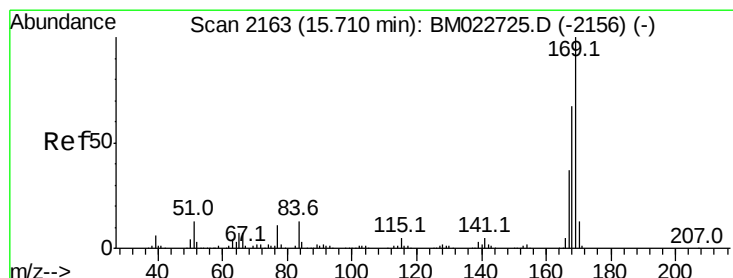
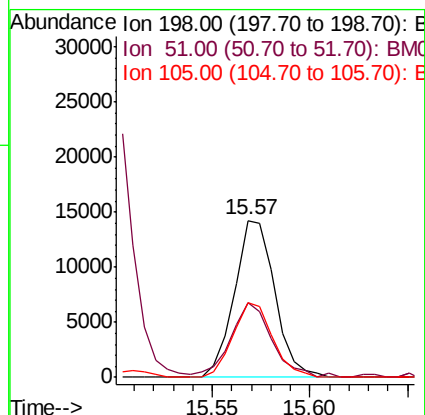
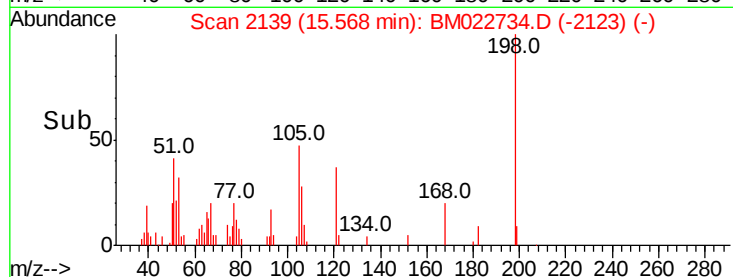
#65
 4,6-Dinitro-2-methylphenol
 Concen: 10.992 ng
 RT: 15.57 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

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

Tot Ion:198 Resp: 20406
 Ion Ratio Lower Upper
 198 100
 51 47.6 21.0 61.0
 105 47.3 22.5 62.5

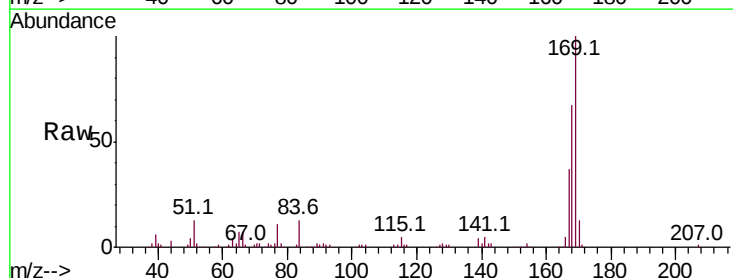


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BM
 Ion 105.00 (104.70 to 105.70): E

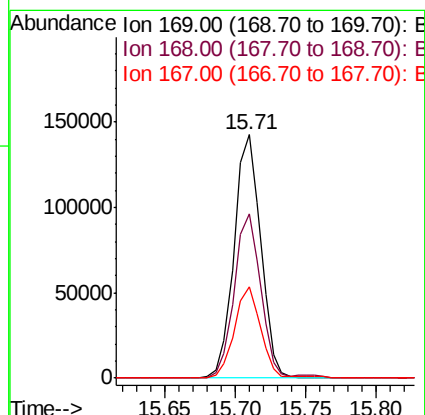
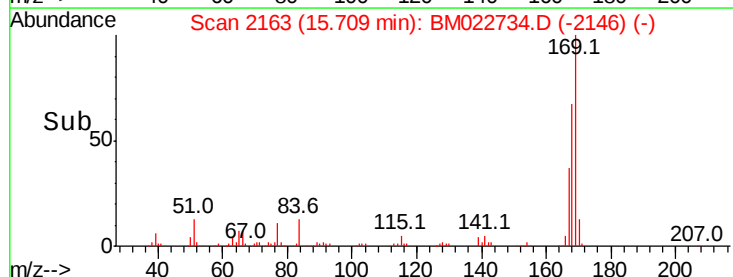


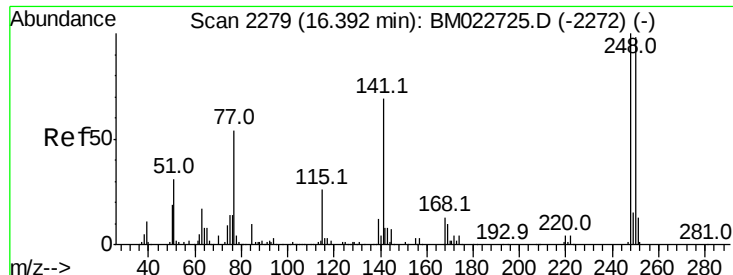
#66
 n-Nitrosodiphenylamine
 Concen: 7.590 ng
 RT: 15.71 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

Tgt Ion:169 Resp: 187261
 Ion Ratio Lower Upper
 169 100
 168 67.4 53.4 80.2
 167 37.4 29.3 43.9



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

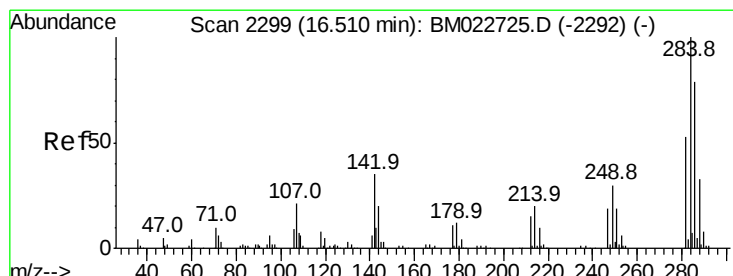
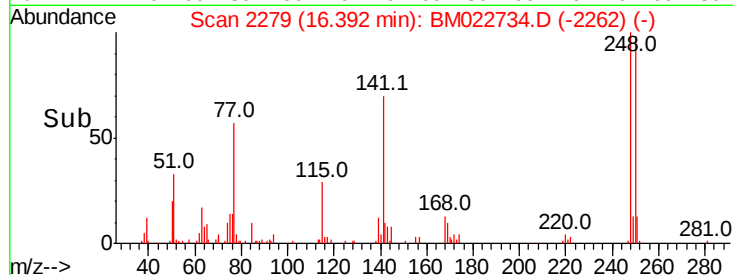
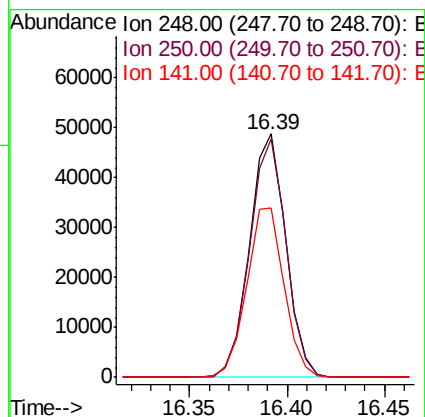
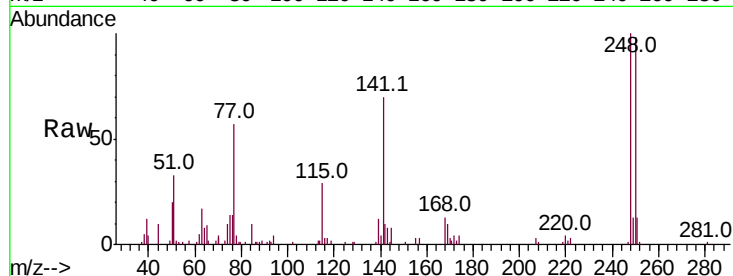




#67
 4-Bromophenyl-phenylether
 Concen: 7.007 ng
 RT: 16.39 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

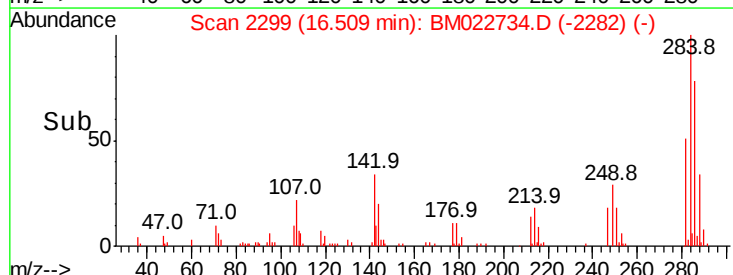
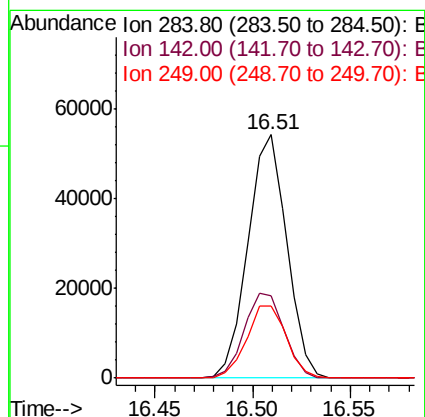
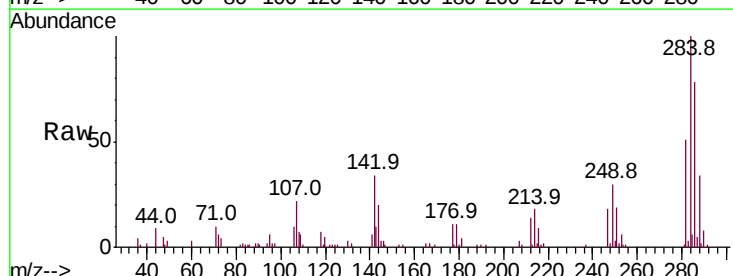
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

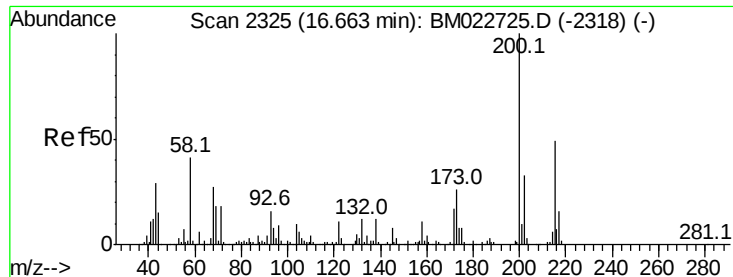
Tot Ion:248 Resp: 62936
 Ion Ratio Lower Upper
 248 100
 250 97.7 78.4 117.6
 141 69.7 55.1 82.7



#68
 Hexachlorobenzene
 Concen: 7.136 ng
 RT: 16.51 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

Tgt Ion:284 Resp: 74745
 Ion Ratio Lower Upper
 284 100
 142 33.6 27.8 41.8
 249 29.8 24.4 36.6





#69

Atrazine

Concen: 6.309 ng

RT: 16.66 min Scan# 2324

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

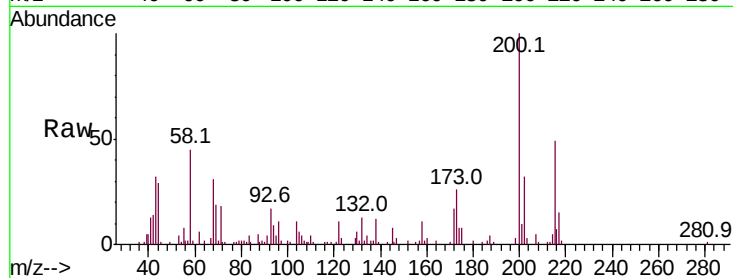
Tot Ion:200 Resp: 50598

Ion Ratio Lower Upper

200 100

173 26.0 5.8 45.8

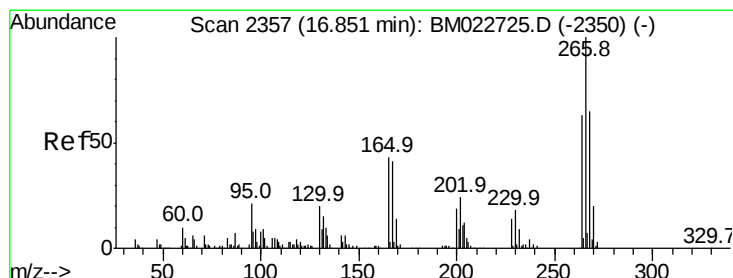
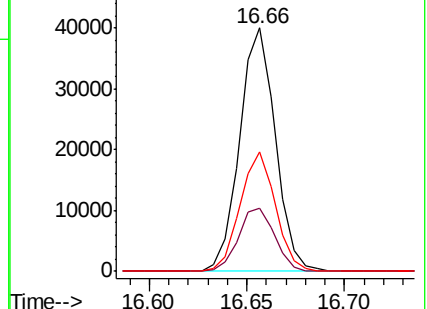
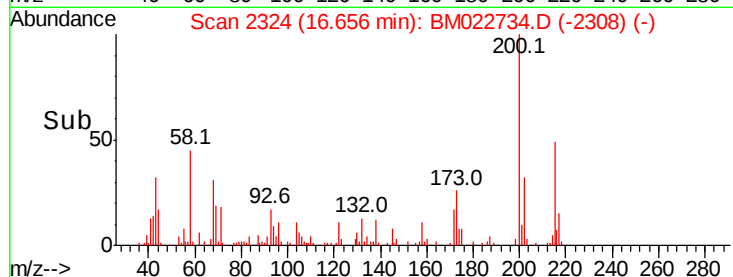
215 49.1 29.2 69.2



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 5.580 ng

RT: 16.84 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

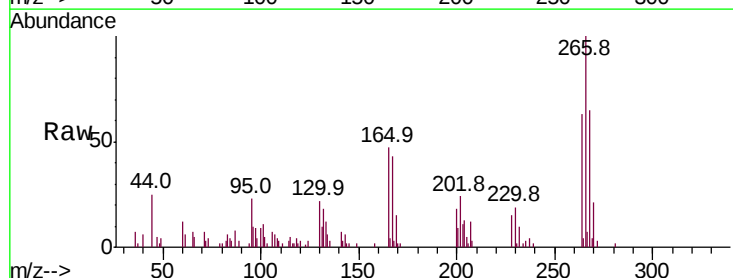
Tgt Ion:266 Resp: 31170

Ion Ratio Lower Upper

266 100

268 64.9 51.8 77.6

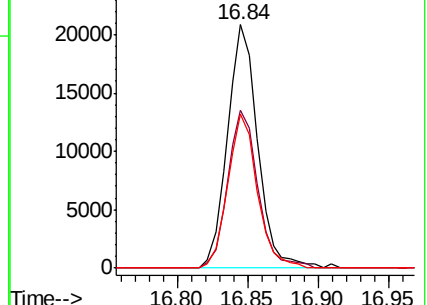
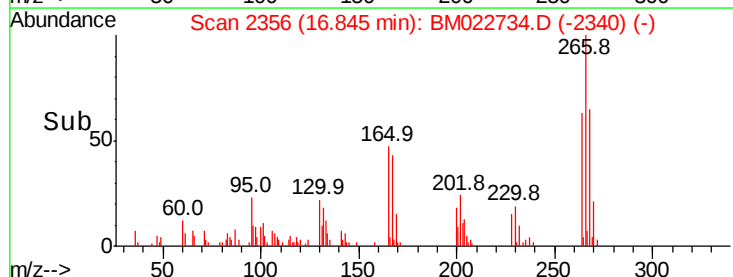
264 63.0 50.2 75.4

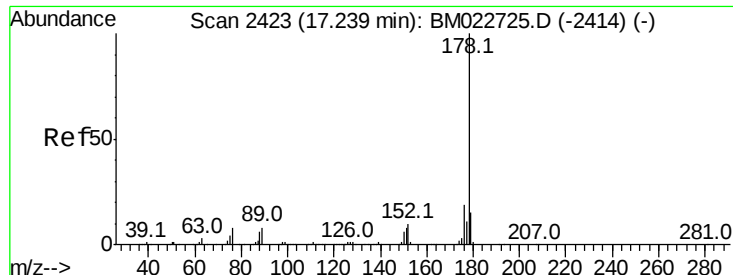


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

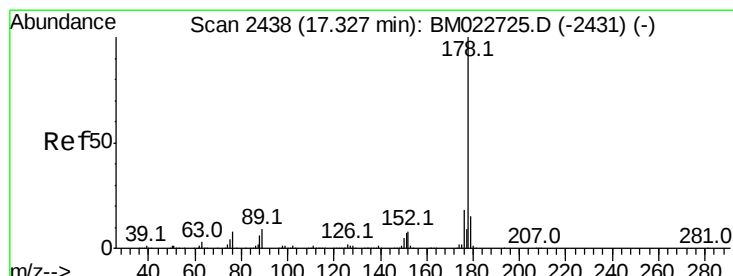
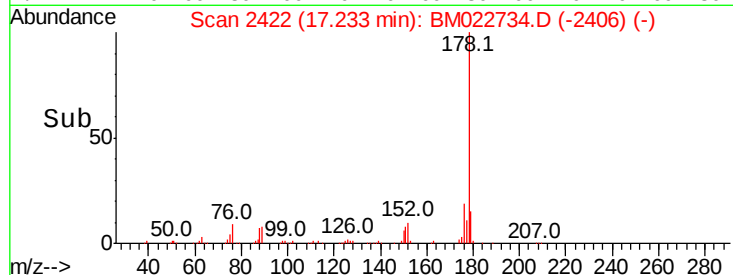
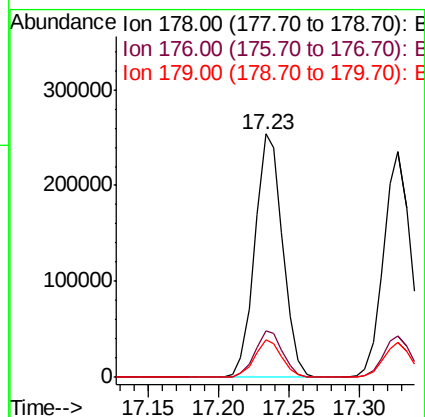
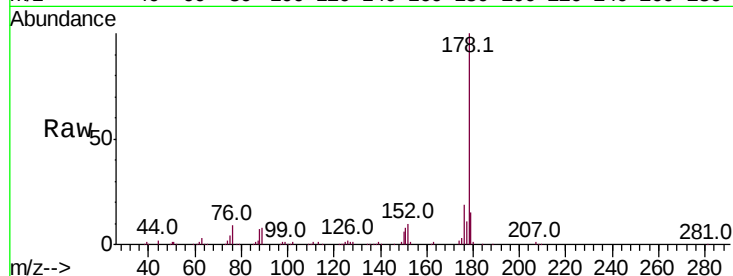




#71
Phenanthrene
Concen: 7.718 ng
RT: 17.23 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

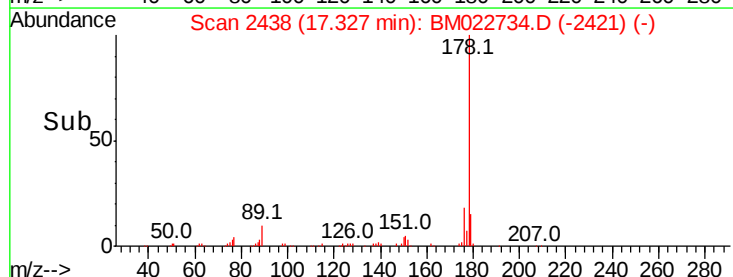
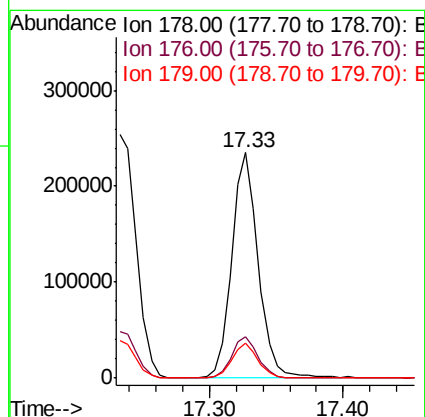
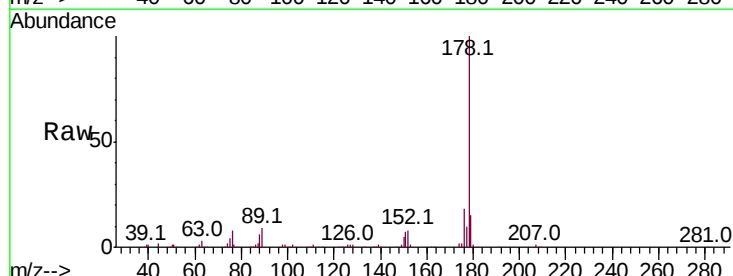
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

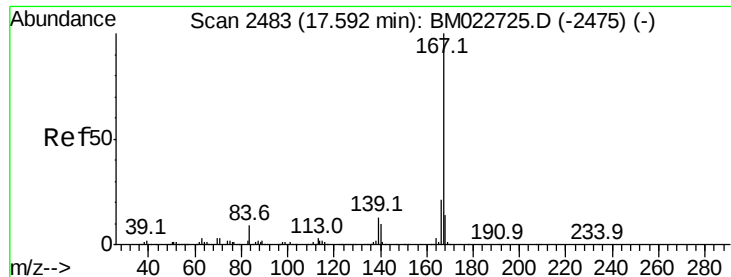
Tot Ion:178 Resp: 351679
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.5 12.3 18.5



#72
Anthracene
Concen: 7.391 ng
RT: 17.33 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion:178 Resp: 326397
Ion Ratio Lower Upper
178 100
176 18.2 14.7 22.1
179 15.3 12.2 18.4

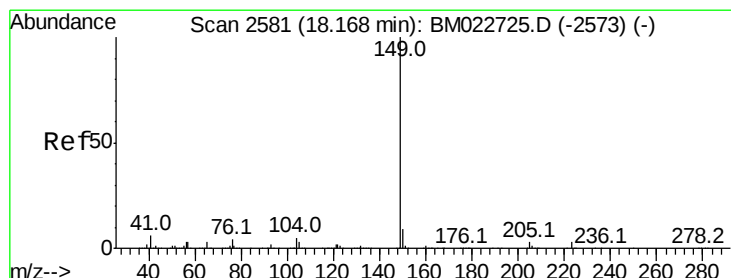
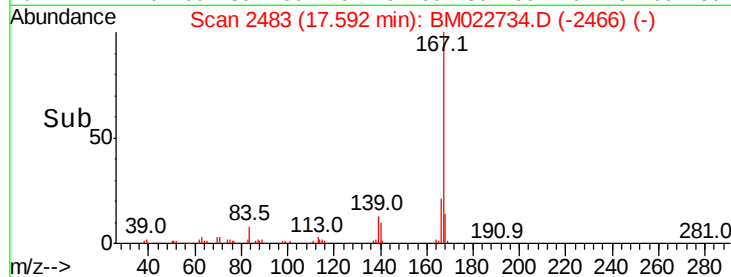
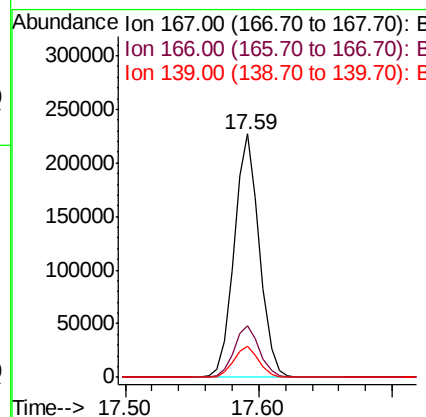
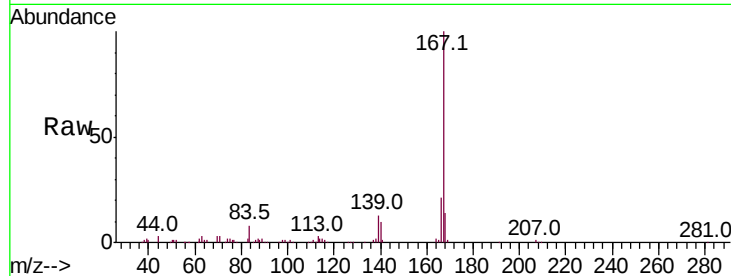




#73
 Carbazole
 Concen: 7.271 ng
 RT: 17.59 min Scan# 2483
 Delta R.T. -0.00 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

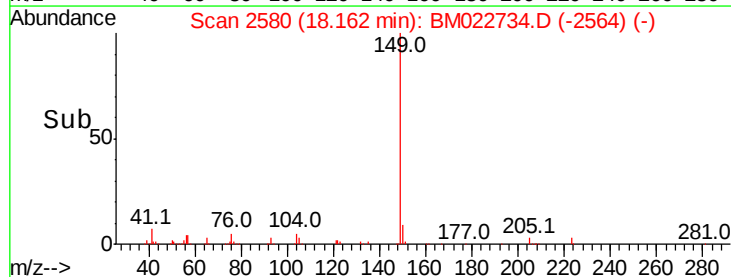
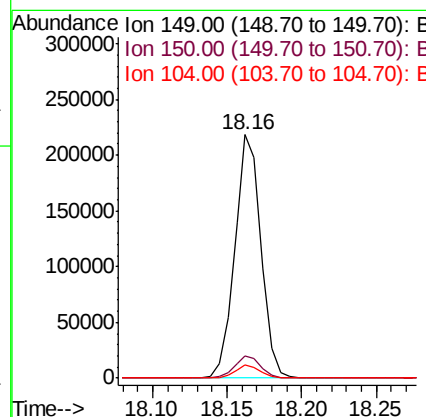
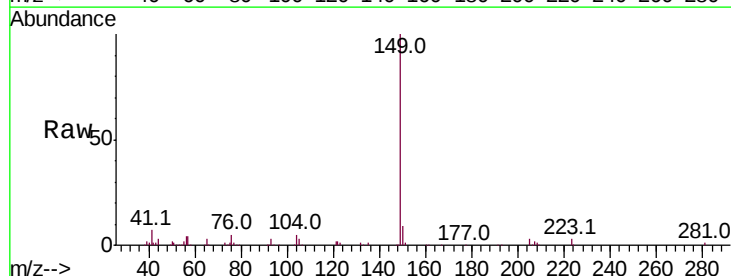
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

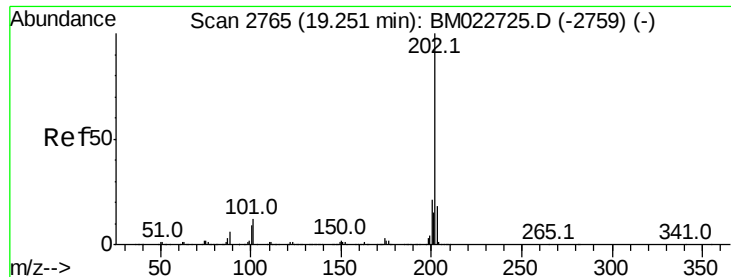
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.4
139	12.8	10.1	15.1



#74
 Di-n-butylphthalate
 Concen: 5.735 ng
 RT: 18.16 min Scan# 2580
 Delta R.T. -0.01 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	5.4	3.8	5.6





#75

Fluoranthene

Concen: 7.109 ng

RT: 19.25 min Scan# 2765

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

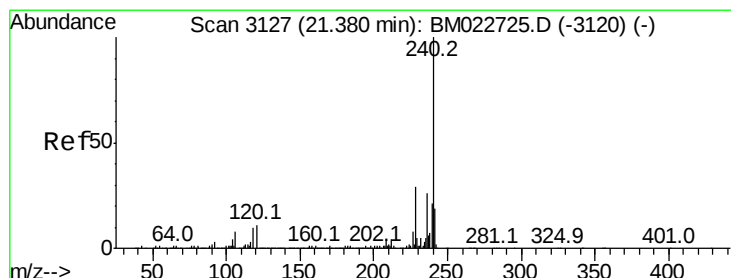
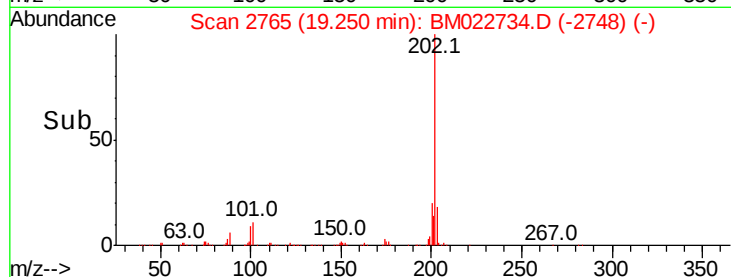
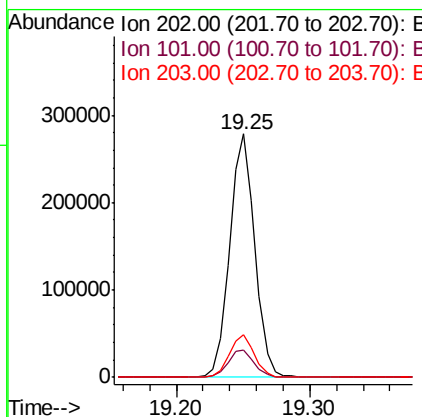
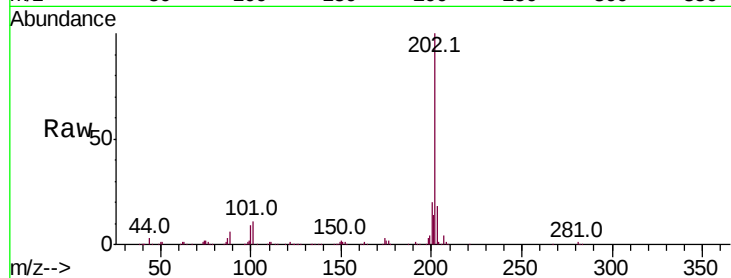
Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	202	Resp:	365550
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	32.1
203	17.6	0.0	37.7



#76

Chrysene-d12

Concen: 20.000 ng

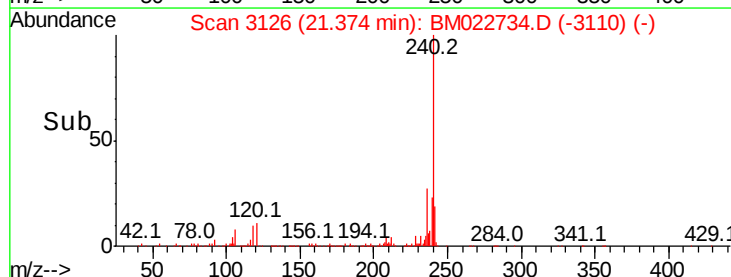
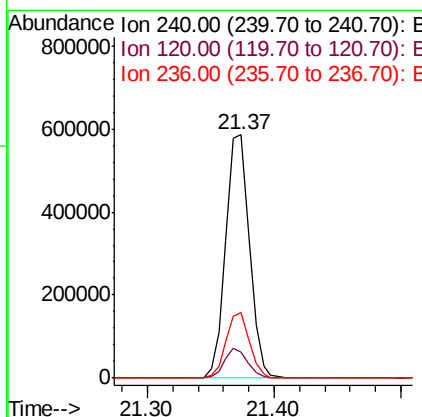
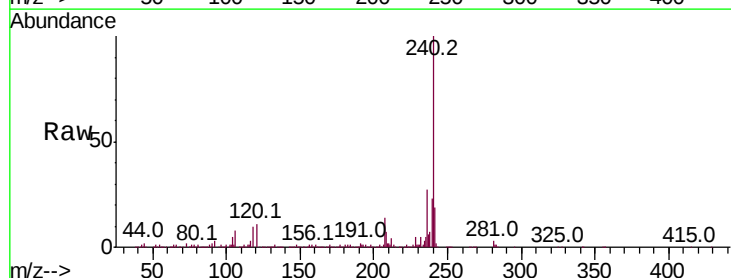
RT: 21.37 min Scan# 3126

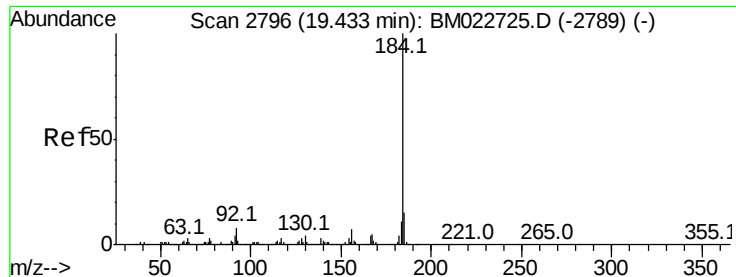
Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Tgt Ion:	240	Resp:	761698
Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.8	13.2
236	26.9	20.8	31.2





#77

Benzidine

Concen: 6.453 ng

RT: 19.43 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

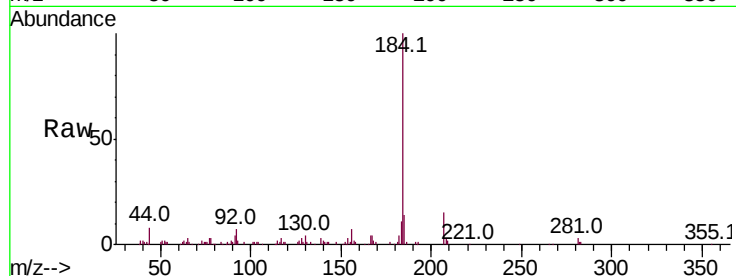
Tot Ion:184 Resp: 134851

Ion Ratio Lower Upper

184 100

185 13.7 11.6 17.4

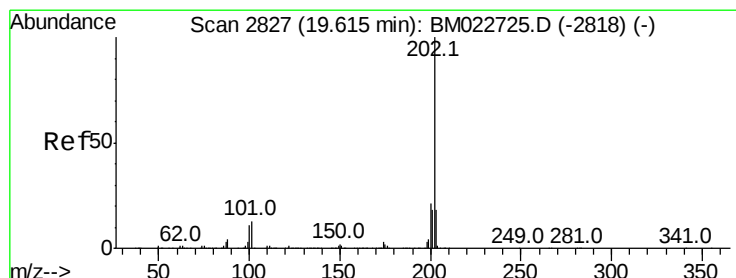
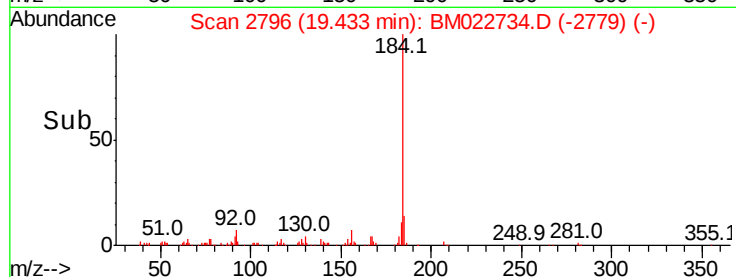
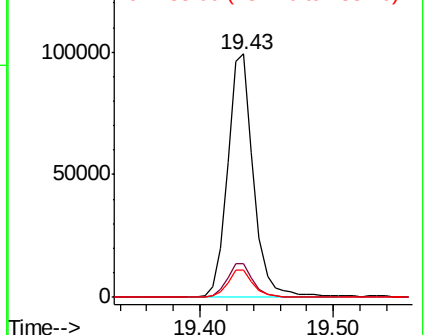
183 11.2 9.1 13.7



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: 7.708 ng

RT: 19.61 min Scan# 2826

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

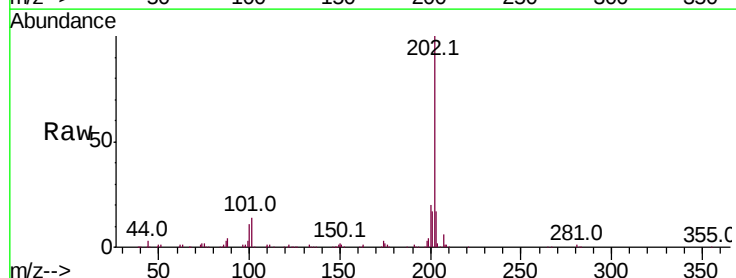
Tgt Ion:202 Resp: 384760

Ion Ratio Lower Upper

202 100

200 20.5 16.7 25.1

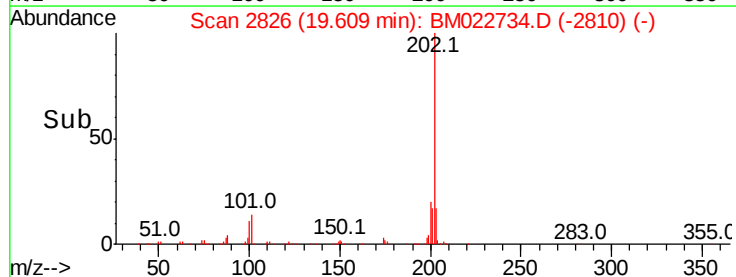
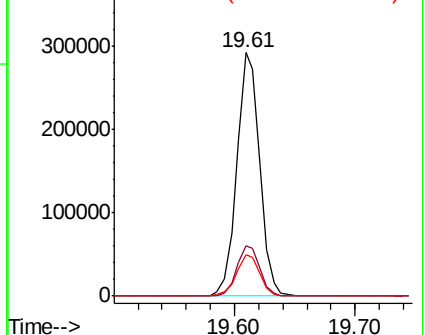
203 16.9 14.1 21.1

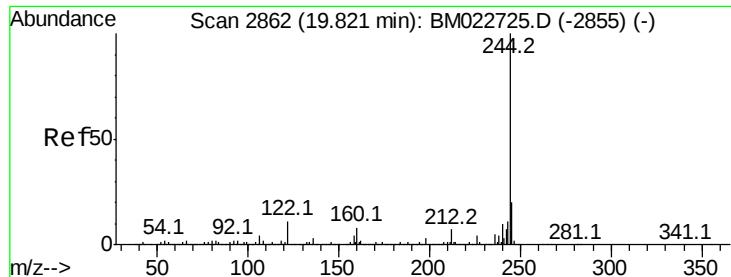


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

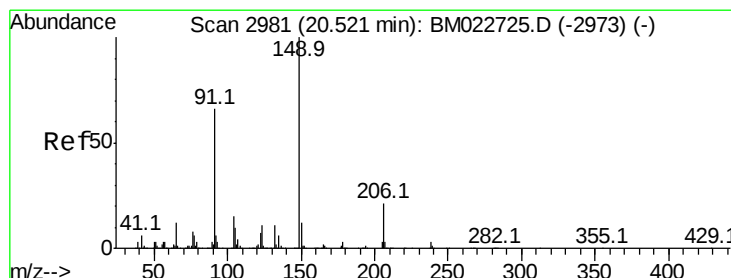
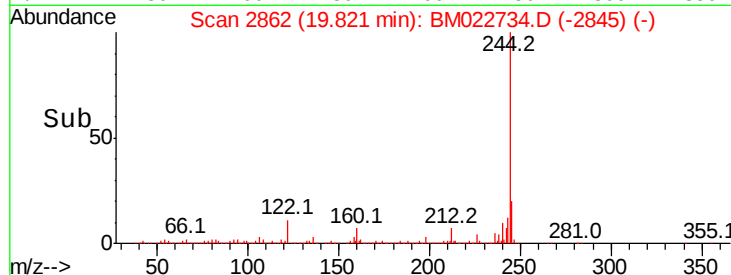
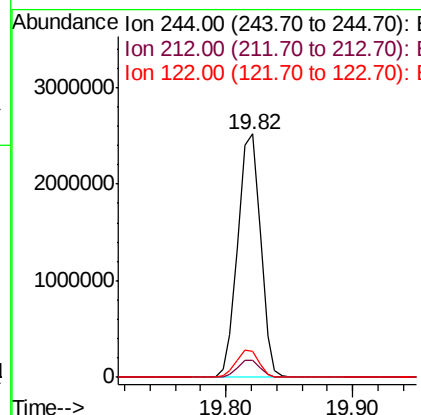
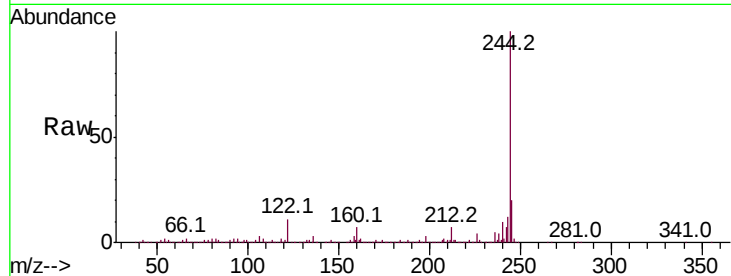




#79
 Terphenyl-d14
 Concen: 79.269 ng
 RT: 19.82 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

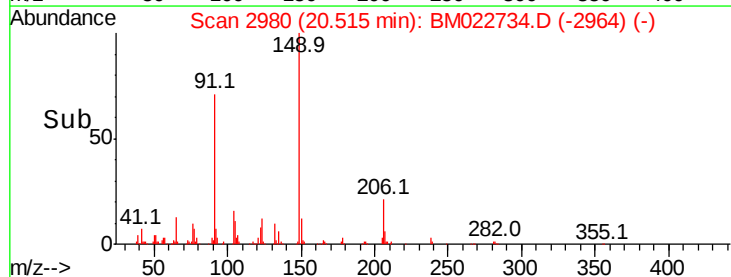
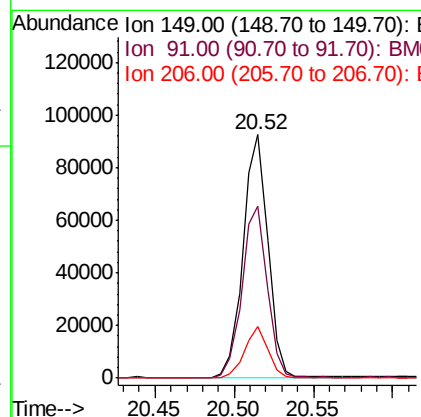
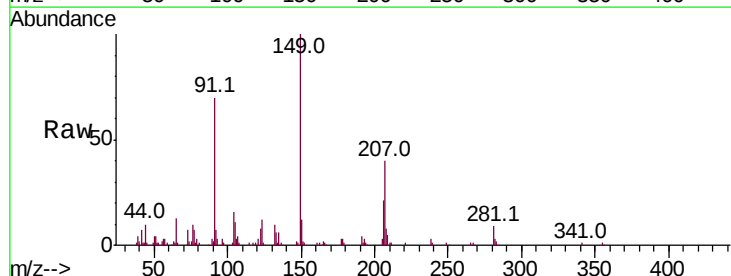
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

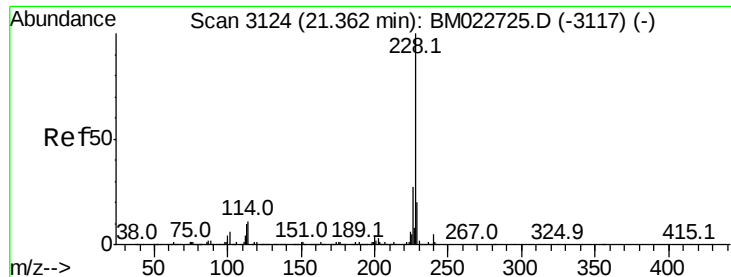
Tot Ion:244 Resp: 3118154
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 10.6 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 5.223 ng
 RT: 20.52 min Scan# 2980
 Delta R.T. -0.01 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

Tgt Ion:149 Resp: 99089
 Ion Ratio Lower Upper
 149 100
 91 70.4 53.0 79.4
 206 21.1 16.9 25.3

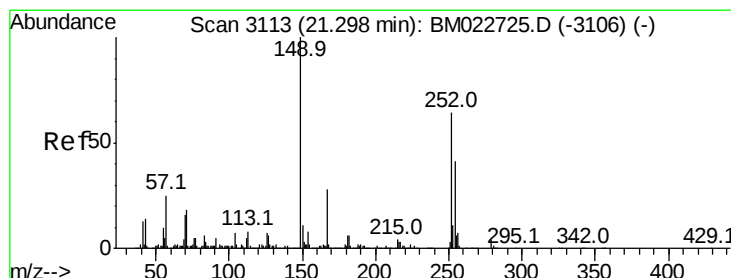
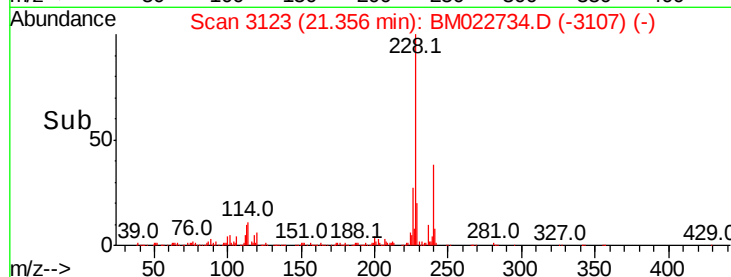
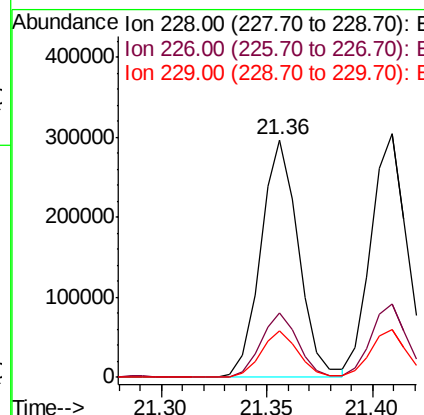
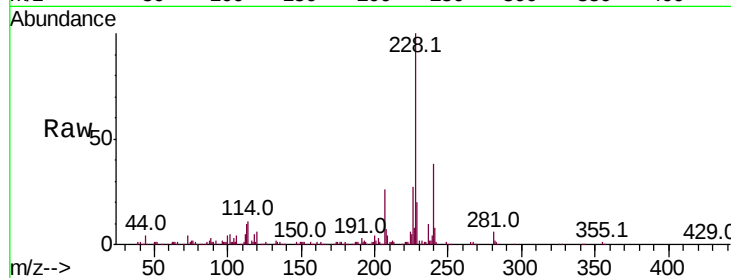




#81
Benzo(a)anthracene
Concen: 7.466 ng
RT: 21.36 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

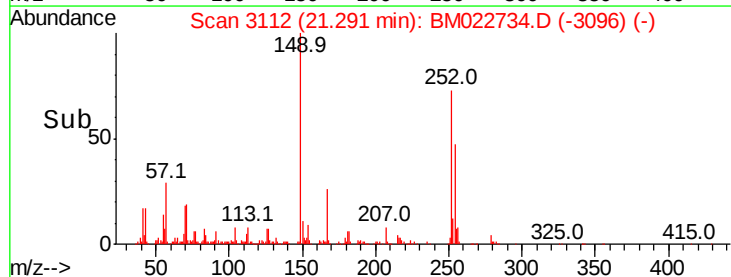
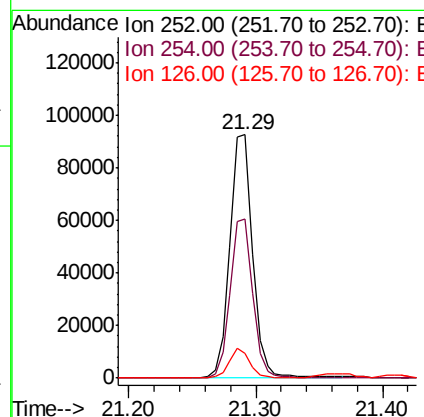
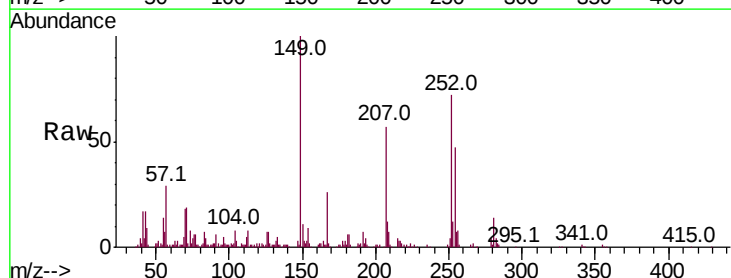
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

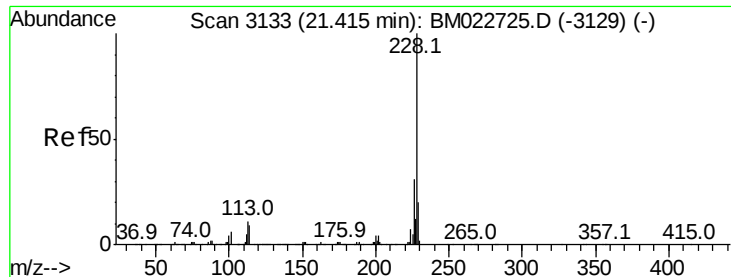
Tot	Ion:228	Resp:	368556
Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.0	33.0
229	19.7	15.9	23.9



#82
3,3'-Dichlorobenzidine
Concen: 6.586 ng
RT: 21.29 min Scan# 3112
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt	Ion:252	Resp:	115305
Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.7	77.5
126	10.3	8.3	12.5

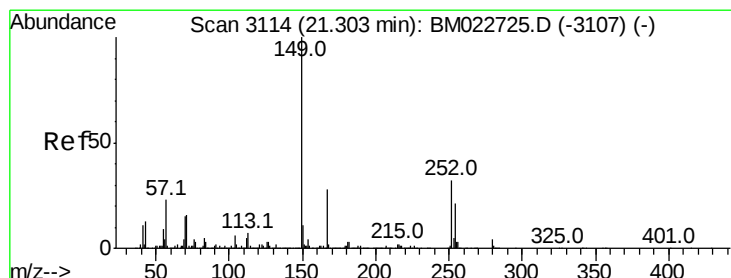
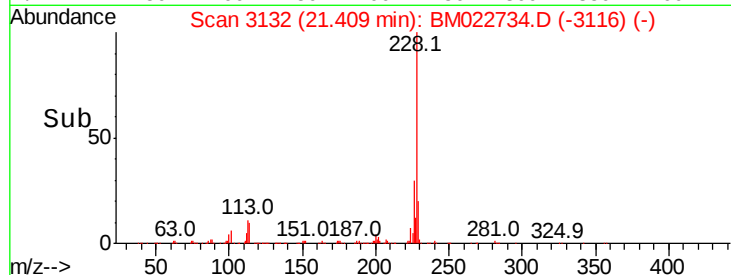
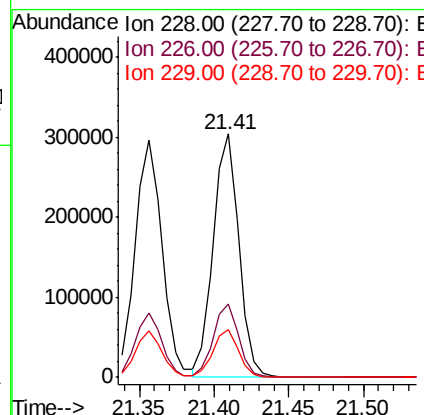
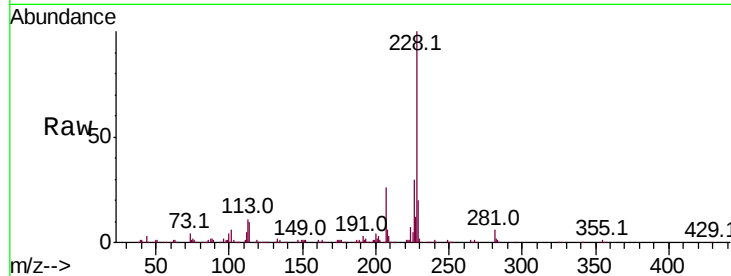




#83
Chrysene
Concen: 7.592 ng
RT: 21.41 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

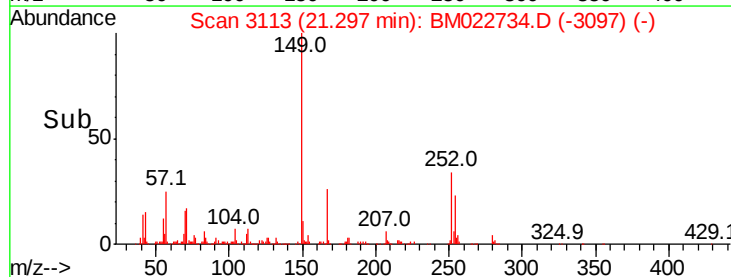
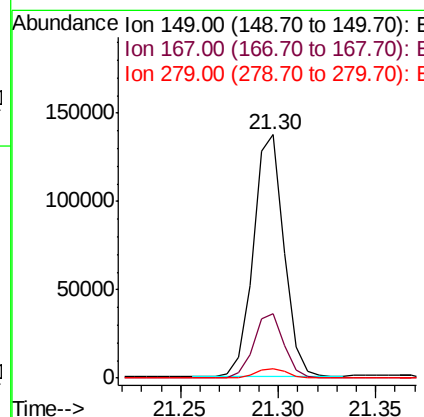
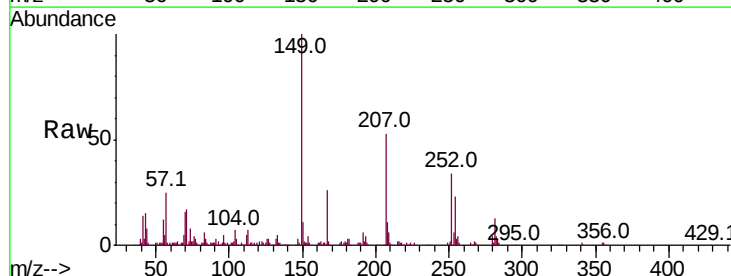
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

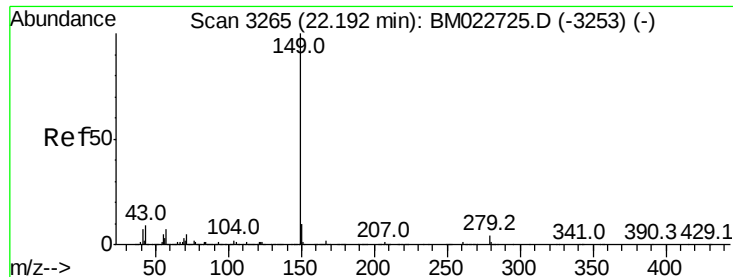
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.5	36.7
229	19.7	15.9	23.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.274 ng
RT: 21.30 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.4	22.1	33.1
279	4.1	3.4	5.0





#85

Di-n-octyl phthalate

Concen: 4.974 ng

RT: 22.18 min Scan# 3263

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

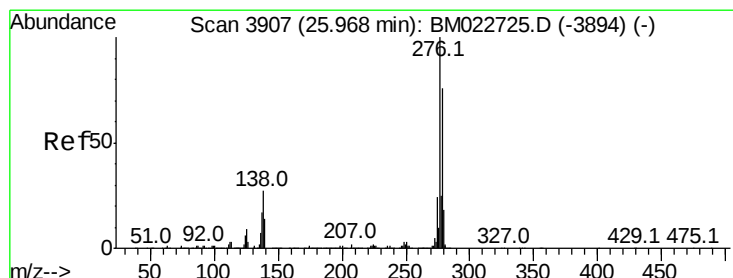
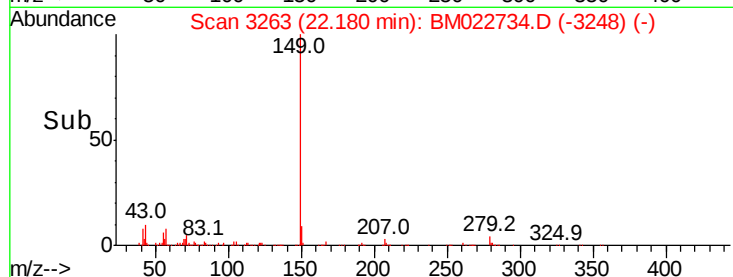
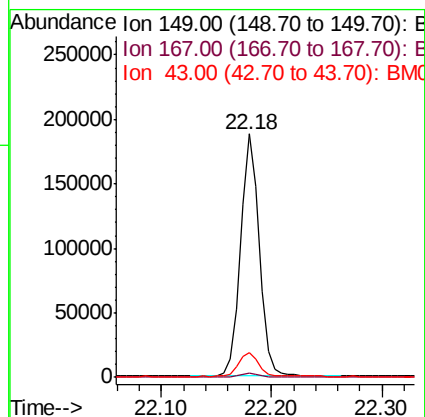
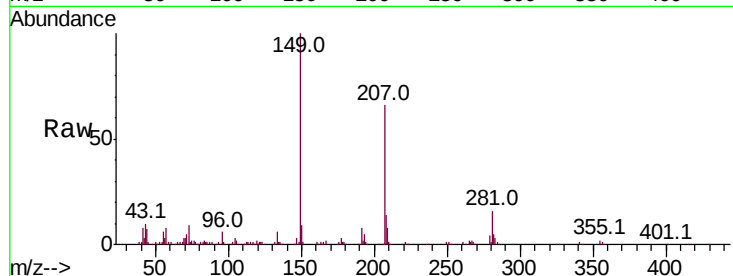
Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:149	Resp:	222821
Ion Ratio	Lower	Upper
149	100	
167	1.7	1.3 1.9
43	10.9	7.4 11.0



#86

Indeno(1,2,3-cd)pyrene

Concen: 7.041 ng

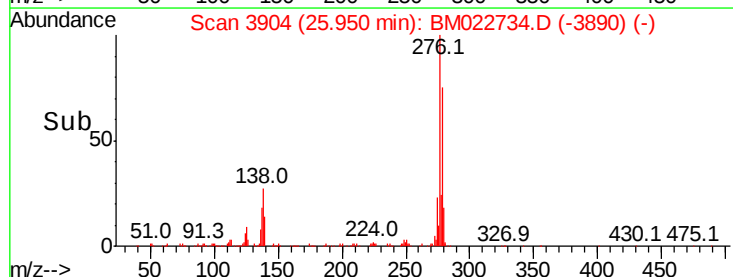
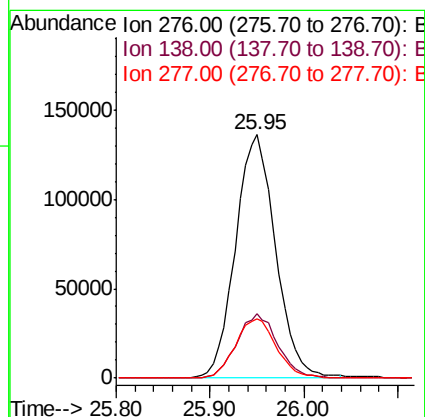
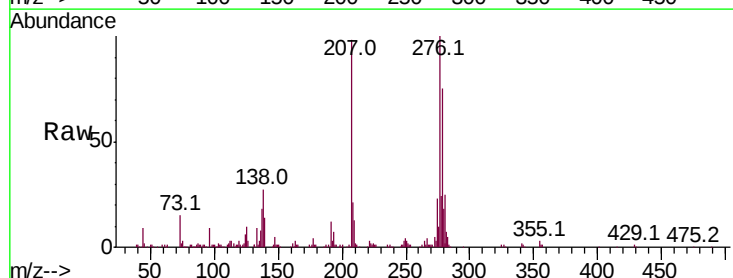
RT: 25.95 min Scan# 3904

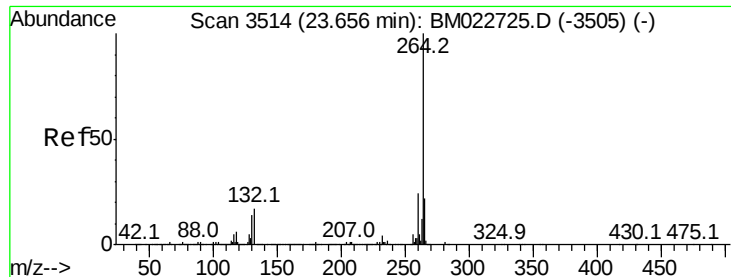
Delta R.T. -0.02 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Tgt Ion:276	Resp:	402216
Ion Ratio	Lower	Upper
276	100	
138	27.0	0.0 0.0#
277	25.0	0.0 0.0#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.64 min Scan# 3512

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

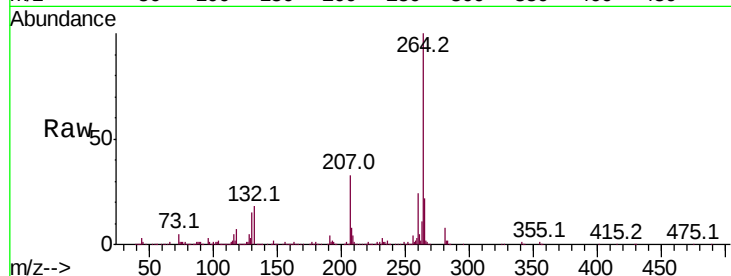
Tot Ion:264 Resp: 798478

Ion Ratio Lower Upper

264 100

260 23.7 19.1 28.7

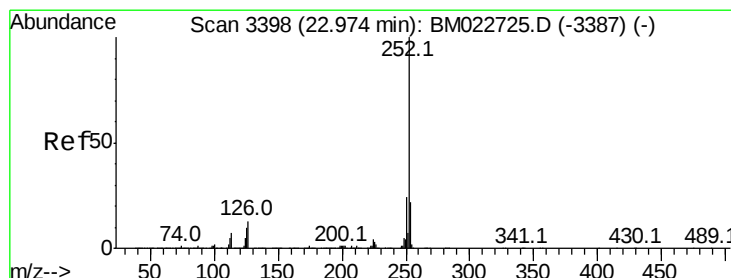
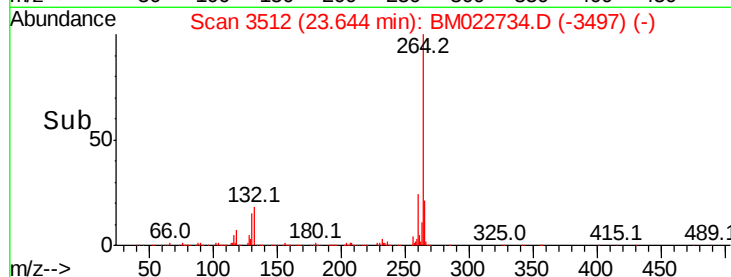
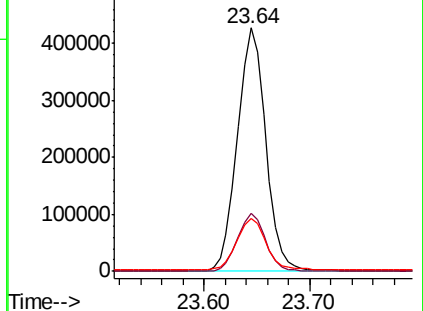
265 21.9 17.9 26.9



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: 7.216 ng

RT: 22.96 min Scan# 3396

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

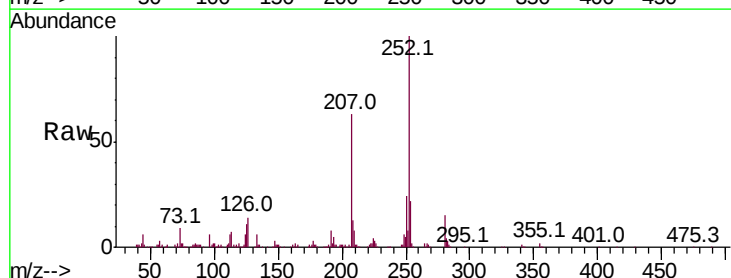
Tgt Ion:252 Resp: 348867

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

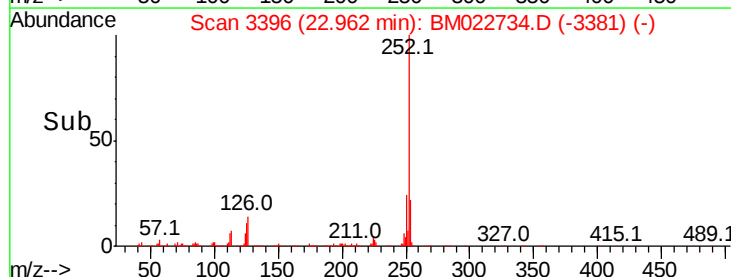
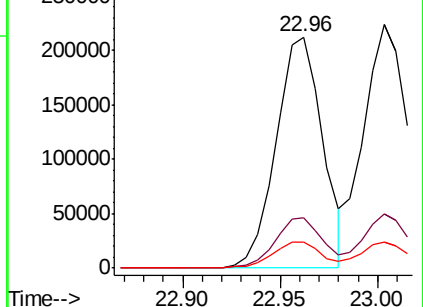
125 11.2 8.2 12.4

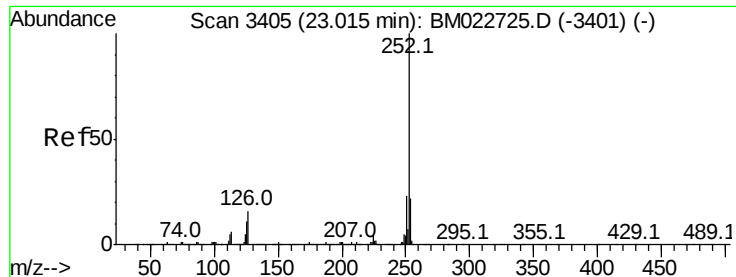


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 7.489 ng

RT: 23.00 min Scan# 3403

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

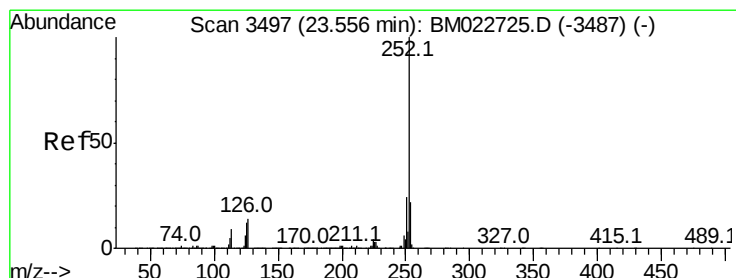
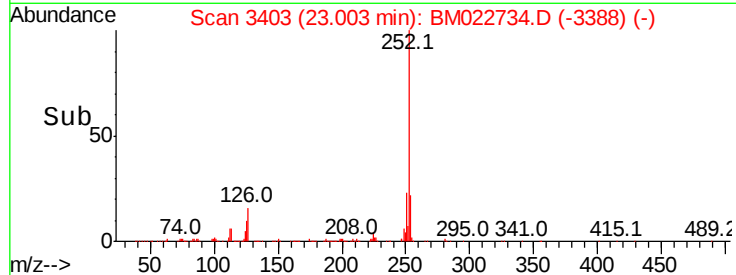
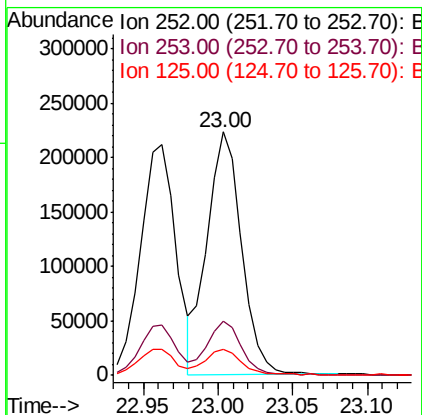
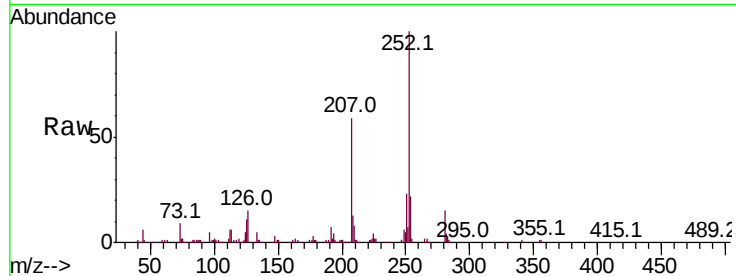
Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	252	Resp:	359249
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	10.6	8.5	12.7



#90

Benzo(a)pyrene

Concen: 7.308 ng

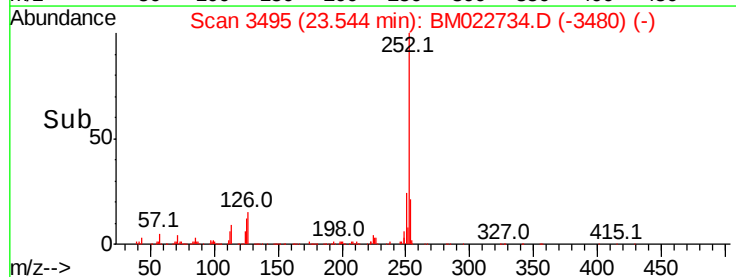
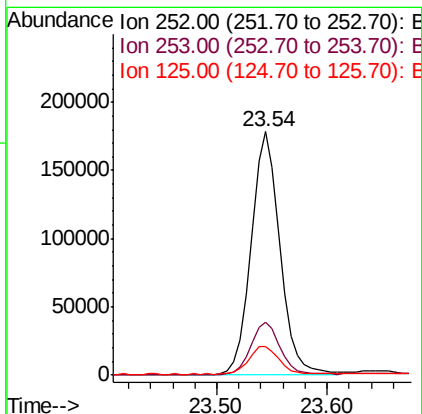
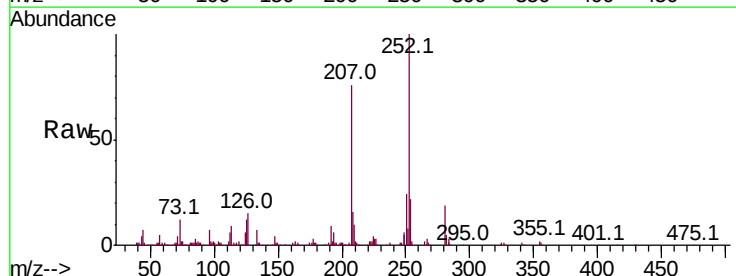
RT: 23.54 min Scan# 3495

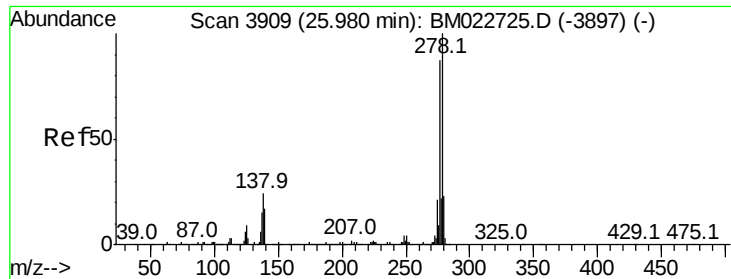
Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Tgt Ion:	252	Resp:	325555
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	11.9	9.3	13.9

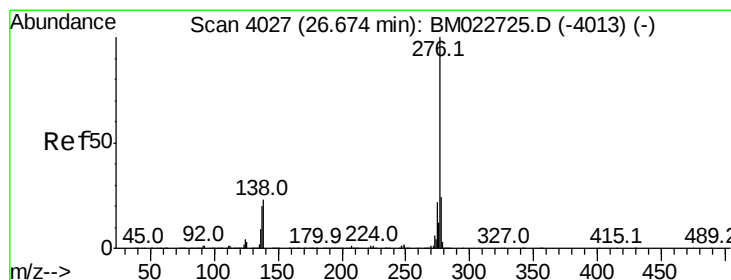
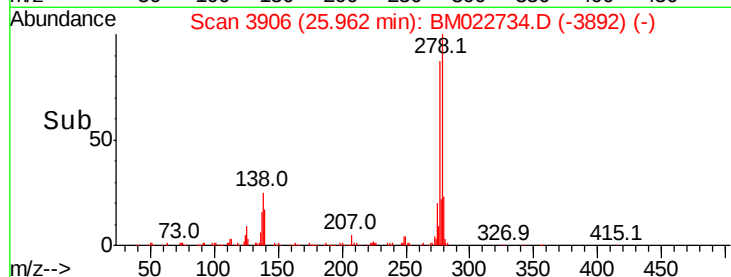
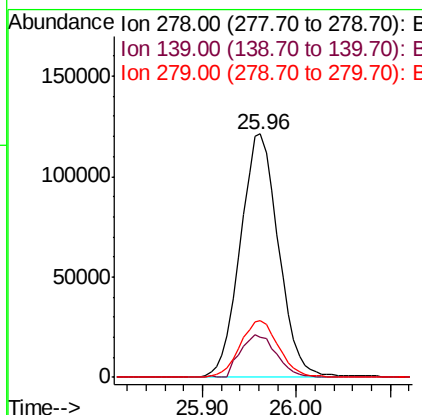
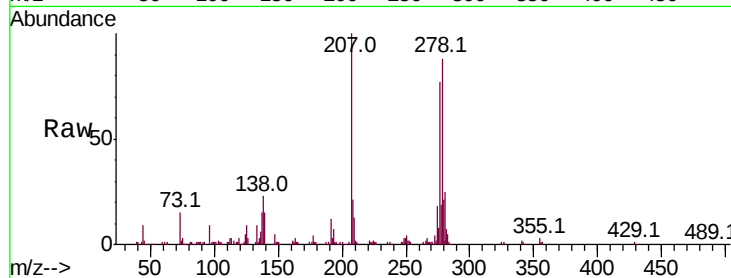




#91
Dibenzo(a,h)anthracene
Concen: 7.338 ng
RT: 25.96 min Scan# 3906
Delta R.T. -0.02 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.7	13.7	20.5
279	23.5	18.6	28.0



#92
Benzo(g,h,i)perylene
Concen: 7.510 ng
RT: 26.65 min Scan# 4023
Delta R.T. -0.02 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	22.7	18.5	27.7

