

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092019\
 Data File : BM022735.D
 Acq On : 20 Sep 2019 20:55
 Operator : HP/JU
 Sample : K3591-02
 Misc : L00-S-10PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Quant Time: Sep 21 02:13:42 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	7.83	152	212460	20.00	ng	0.00
21) Naphthalene-d8	10.62	136	839763	20.00	ng	0.00
39) Acenaphthene-d10	14.46	164	469989	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	933885	20.00	ng	0.00
76) Chrysene-d12	21.37	240	929239	20.00	ng	-0.01
87) Perylene-d12	23.64	264	1001891	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1540621	115.00	ng	0.00
7) Phenol-d6	6.99	99	1955581	113.66	ng	0.00
23) Nitrobenzene-d5	8.97	82	1163372	76.90	ng	0.00
42) 2,4,6-Tribromophenol	15.94	330	687227	117.13	ng	0.00
45) 2-Fluorobiphenyl	13.08	172	2642427	77.42	ng	0.00
79) Terphenyl-d14	19.82	244	3771366	78.59	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.32	88	56836	10.544	ng	# 100
3) Pyridine	3.73	79	124987	8.797	ng	98
4) n-Nitrosodimethylamine	3.63	42	48550	9.386	ng	# 92
6) Aniline	7.15	93	199795	9.684	ng	99
8) 2-Chlorophenol	7.39	128	136478	9.999	ng	96
9) Benzaldehyde	6.96	77	115140	11.752	ng	98
10) Phenol	7.02	94	161728	9.984	ng	98
11) bis(2-Chloroethyl)ether	7.25	93	123188	9.679	ng	99
12) 1,3-Dichlorobenzene	7.72	146	152716	9.362	ng	98
13) 1,4-Dichlorobenzene	7.86	146	156812	9.495	ng	99
14) 1,2-Dichlorobenzene	8.17	146	147756	9.384	ng	99
15) Benzyl Alcohol	8.06	79	102021	9.476	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.36	45	179196	9.693	ng	100
17) 2-Methylphenol	8.26	107	101103	9.430	ng	99
18) Hexachloroethane	8.91	117	56280	9.291	ng	98
19) n-Nitroso-di-n-propylamine	8.63	70	90947	9.466	ng	98
20) 3+4-Methylphenols	8.59	107	133310	9.335	ng	98
22) Acetophenone	8.65	105	192455	9.284	ng	# 100
24) Nitrobenzene	9.02	77	146952	10.153	ng	99
25) Isophorone	9.55	82	231950	9.325	ng	98
26) 2-Nitrophenol	9.73	139	50697	8.113	ng	97
27) 2,4-Dimethylphenol	9.79	122	104389	9.979	ng	99
28) bis(2-Chloroethoxy)methane	10.03	93	161047	9.356	ng	99
29) 2,4-Dichlorophenol	10.26	162	106109	8.972	ng	99
30) 1,2,4-Trichlorobenzene	10.48	180	134159	9.220	ng	97
31) Naphthalene	10.67	128	407211	9.814	ng	100
32) Benzoic acid	9.86	122	30156	7.775	ng	95
33) 4-Chloroaniline	10.77	127	166975	9.268	ng	99
34) Hexachlorobutadiene	10.96	225	76792	8.853	ng	99
35) Caprolactam	11.55	113	26886	7.668	ng	95
36) 4-Chloro-3-methylphenol	11.89	107	104296	9.039	ng	98
37) 2-Methylnaphthalene	12.28	142	278444	9.641	ng	99
38) 1-Methylnaphthalene	12.50	142	260993	9.520	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.65	216	139329	8.749	ng	99

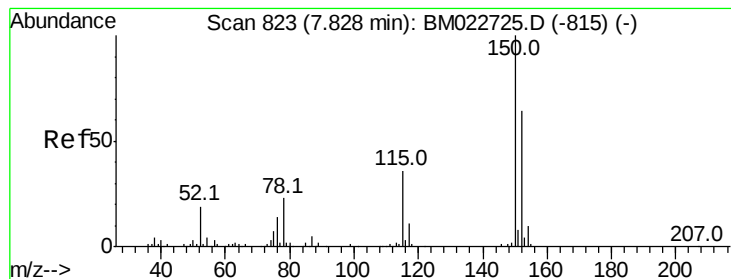
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092019\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.63	237	81455	9.375	ng	98
43) 2,4,6-Trichlorophenol	12.89	196	76316	8.303	ng	97
44) 2,4,5-Trichlorophenol	12.96	196	86490	9.030	ng	99
46) 1,1'-Biphenyl	13.29	154	352236	9.055	ng	99
47) 2-Chloronaphthalene	13.33	162	277099	9.558	ng	99
48) 2-Nitroaniline	13.53	65	59968	7.943	ng	94
49) Acenaphthylene	14.18	152	411708	9.590	ng	100
50) Dimethylphthalate	13.91	163	313378	9.227	ng	100
51) 2,6-Dinitrotoluene	14.02	165	63037	8.873	ng	95
52) Acenaphthene	14.52	154	266309	9.481	ng	99
53) 3-Nitroaniline	14.35	138	64276	7.859	ng	# 93
54) 2,4-Dinitrophenol	14.56	184	20986	11.925	ng	100
55) Dibenzofuran	14.86	168	408318	9.958	ng	98
56) 4-Nitrophenol	14.65	139	51453	8.185	ng	99
57) 2,4-Dinitrotoluene	14.81	165	74838	8.041	ng	94
58) Fluorene	15.50	166	321866	9.659	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.08	232	70500	8.440	ng	98
60) Diethylphthalate	15.27	149	294630	8.921	ng	99
61) 4-Chlorophenyl-phenylether	15.50	204	159872	9.338	ng	99
62) 4-Nitroaniline	15.51	138	70941	8.273	ng	99
63) Azobenzene	15.79	77	281155	9.427	ng	99
65) 4,6-Dinitro-2-methylphenol	15.57	198	31878	12.511	ng	96
66) n-Nitrosodiphenylamine	15.71	169	269846	9.458	ng	99
67) 4-Bromophenyl-phenylether	16.39	248	90949	8.756	ng	97
68) Hexachlorobenzene	16.51	284	108028	8.918	ng	97
69) Atrazine	16.66	200	76631	8.262	ng	100
70) Pentachlorophenol	16.84	266	49039	7.591	ng	99
71) Phenanthrene	17.24	178	499982	9.488	ng	99
72) Anthracene	17.33	178	478373	9.367	ng	100
73) Carbazole	17.59	167	443303	9.328	ng	99
74) Di-n-butylphthalate	18.16	149	415314	7.707	ng	100
75) Fluoranthene	19.25	202	541974	9.115	ng	99
77) Benzidine	19.43	184	226764	8.895	ng	100
78) Pyrene	19.61	202	575736	9.454	ng	100
80) Butylbenzylphthalate	20.52	149	169768	7.335	ng	99
81) Benzo(a)anthracene	21.36	228	560107	9.300	ng	100
82) 3,3'-Dichlorobenzidine	21.29	252	189546	8.875	ng	99
83) Chrysene	21.41	228	562486	9.634	ng	99
84) Bis(2-ethylhexyl)phthalate	21.29	149	251641	7.338	ng	98
85) Di-n-octyl phthalate	22.18	149	385059	7.045	ng	98
86) Indeno(1,2,3-cd)pyrene	25.95	276	639184	9.172	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	561751	9.260	ng	99
89) Benzo(k)fluoranthene	23.00	252	555202	9.224	ng	100
90) Benzo(a)pyrene	23.54	252	521637	9.332	ng	99
91) Dibenzo(a,h)anthracene	25.96	278	542742	9.283	ng	99
92) Benzo(g,h,i)perylene	26.65	276	523930	9.434	ng	100

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.83 min Scan# 823

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

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BNA_M

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LOQ-SOIL-02-QT3-2019

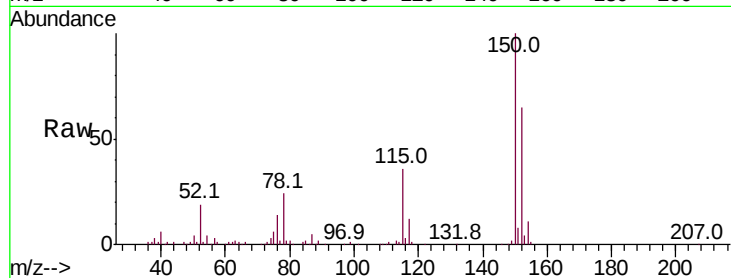
Tot Ion:152 Resp: 212460

Ion Ratio Lower Upper

152 100

150 153.1 124.5 186.7

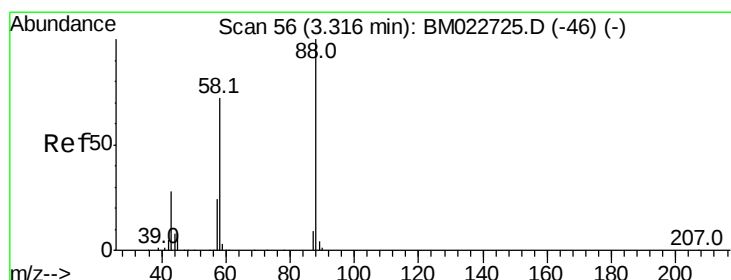
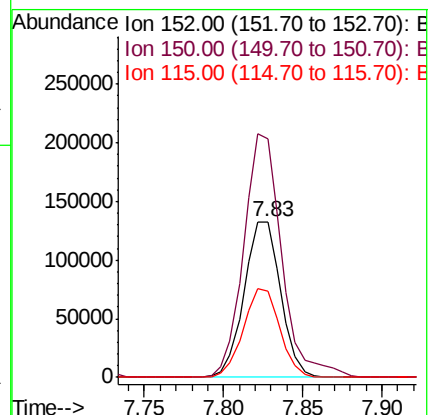
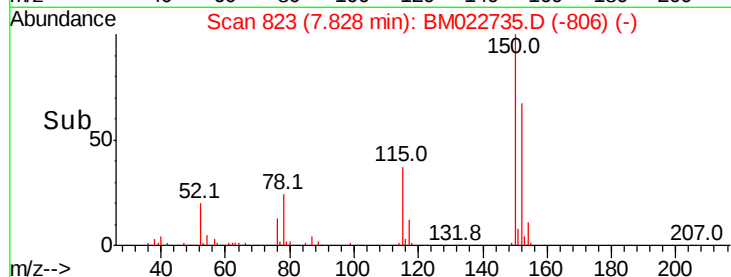
115 55.2 45.0 67.4



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



#2

1,4-Dioxane

Concen: 10.544 ng

RT: 3.32 min Scan# 57

Delta R.T. 0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

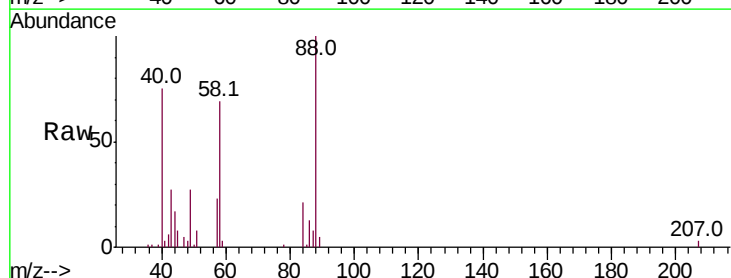
Tgt Ion: 88 Resp: 56836

Ion Ratio Lower Upper

88 100

58 71.9 0.0 0.0#

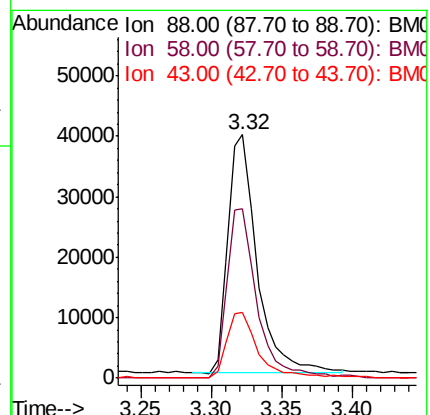
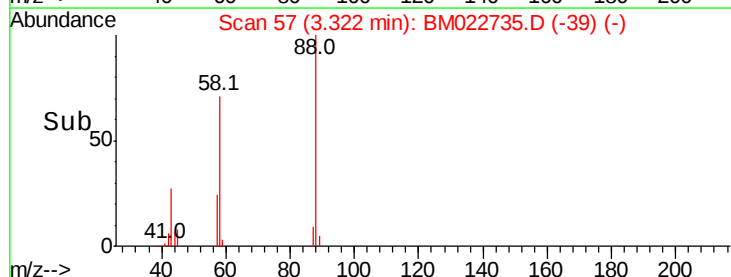
43 29.8 0.0 0.0#

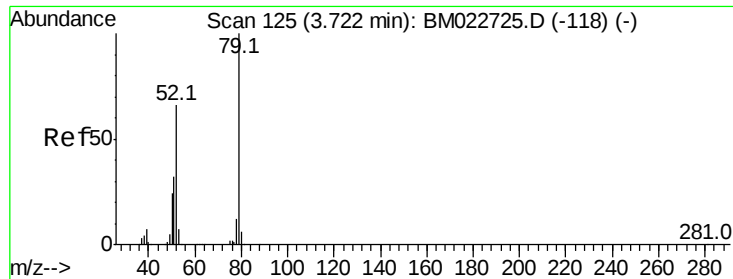


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

Pvridine

Concen: 8.797 ng

RT: 3.73 min Scan# 127

Delta R.T. 0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

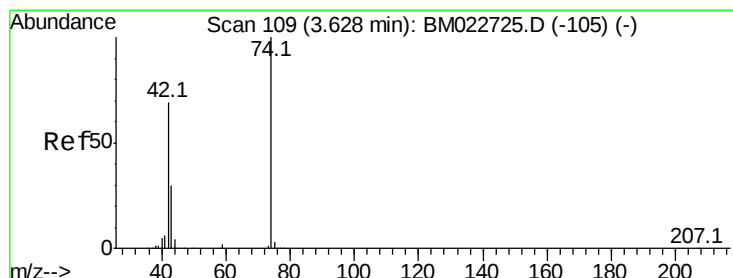
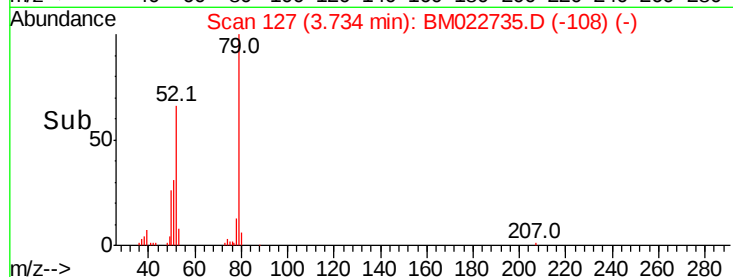
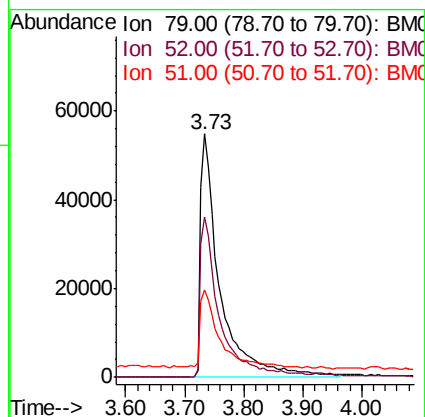
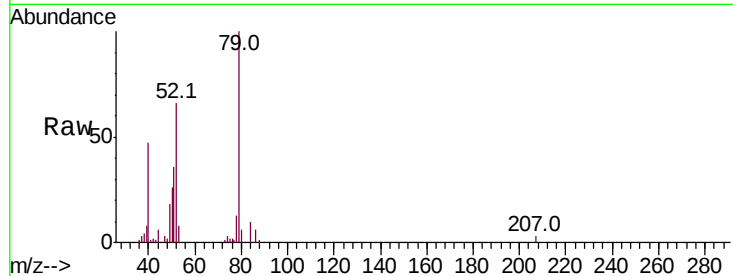
Tot Ion: 79 Resp: 124987

Ion Ratio Lower Upper

79 100

52 66.0 52.4 78.6

51 35.9 26.2 39.4



#4

n-Nitrosodimethylamine

Concen: 9.386 ng

RT: 3.63 min Scan# 110

Delta R.T. 0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

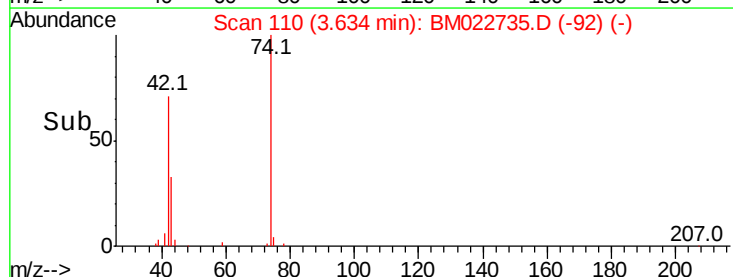
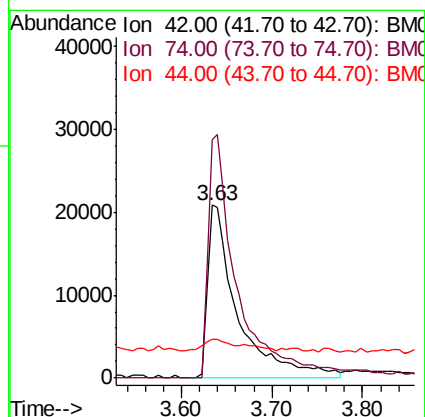
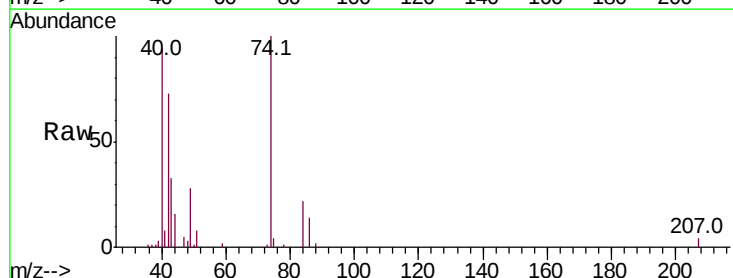
Tgt Ion: 42 Resp: 48550

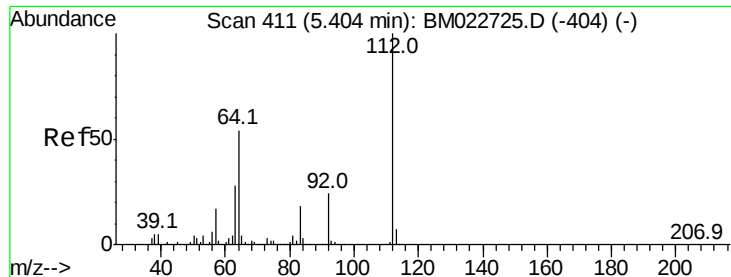
Ion Ratio Lower Upper

42 100

74 137.7 116.6 175.0

44 22.3 8.2 12.4#





#5

2-Fluorophenol

Concen: 115.004 ng

RT: 5.40 min Scan# 411

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

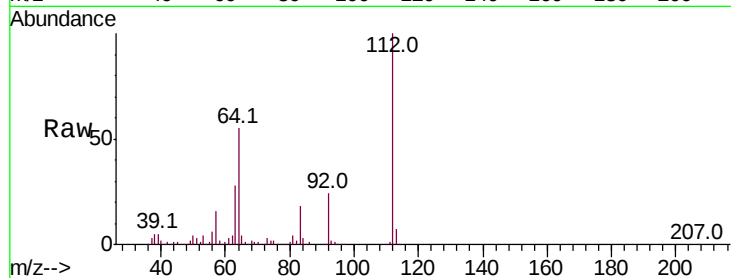
Tot Ion:112 Resp: 1540621

Ion Ratio Lower Upper

112 100

64 55.0 43.4 65.2

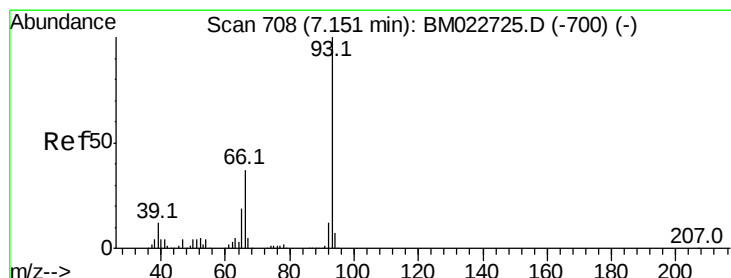
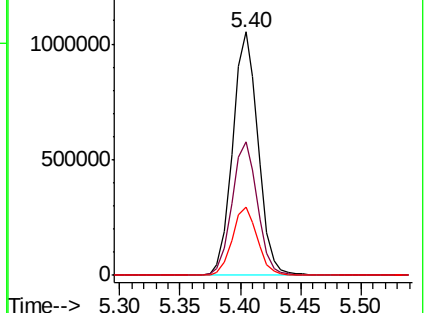
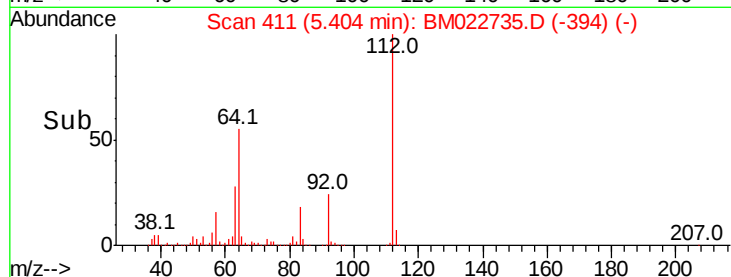
63 28.1 22.1 33.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#6

Aniline

Concen: 9.684 ng

RT: 7.15 min Scan# 708

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

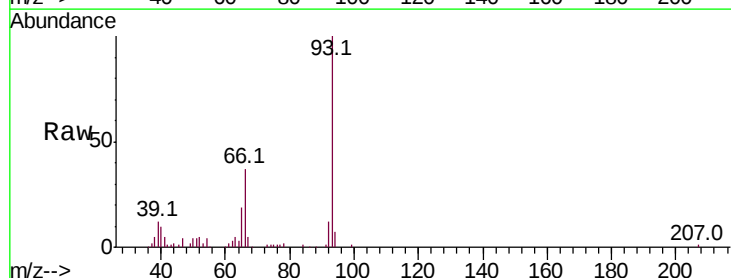
Tgt Ion: 93 Resp: 199795

Ion Ratio Lower Upper

93 100

66 37.2 29.3 43.9

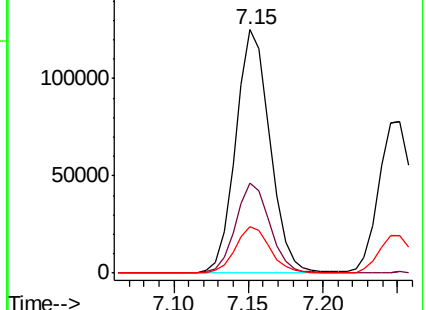
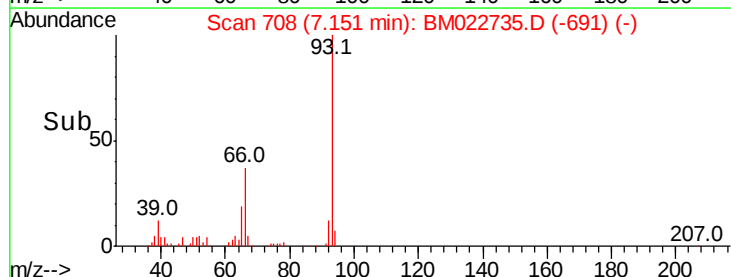
65 19.1 15.3 22.9

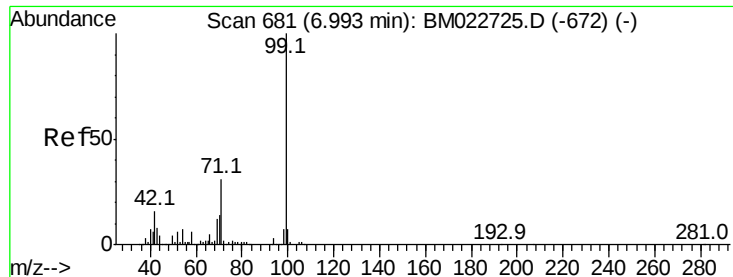


Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#7

Phenol-d6

Concen: 113.657 ng

RT: 6.99 min Scan# 680

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

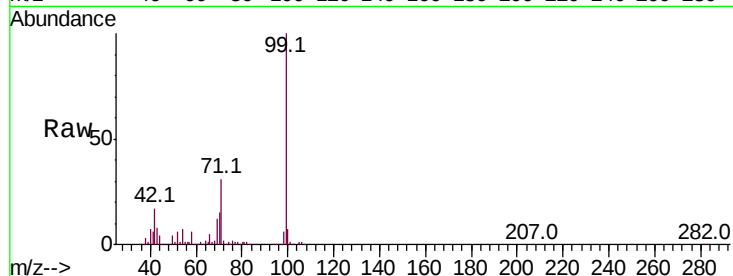
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tot Ion: 99 Resp: 1955581

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.0	19.4
71	31.2	24.7	37.1

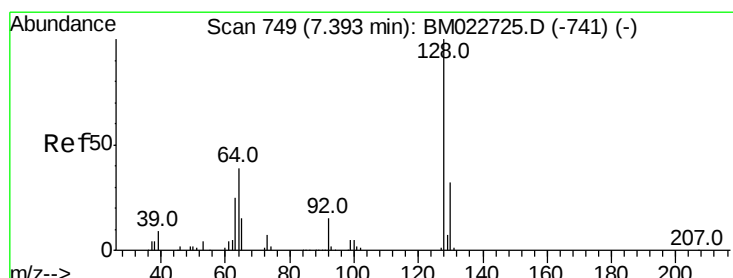
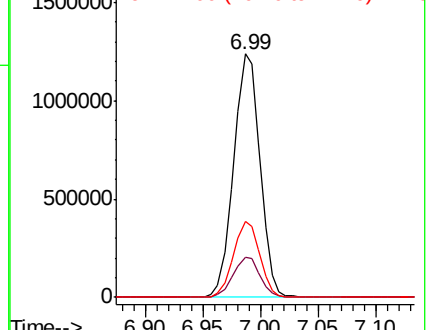
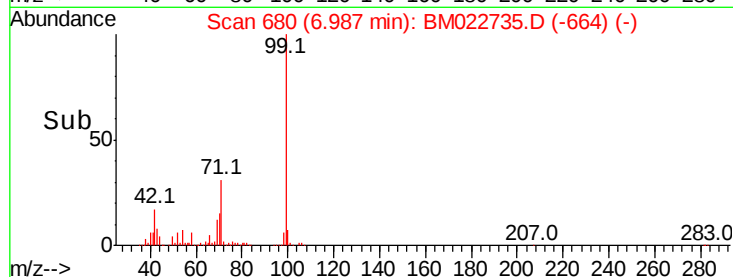


Abundance

Ion 99.00 (98.70 to 99.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 71.00 (70.70 to 71.70): BM0



#8

2-Chlorophenol

Concen: 9.999 ng

RT: 7.39 min Scan# 748

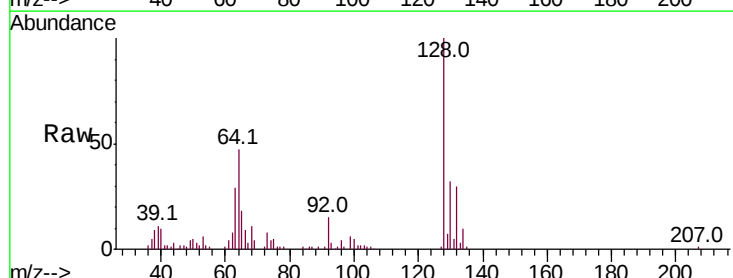
Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Tgt Ion:128 Resp: 136478

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.1	52.1
64	46.7	22.9	62.9

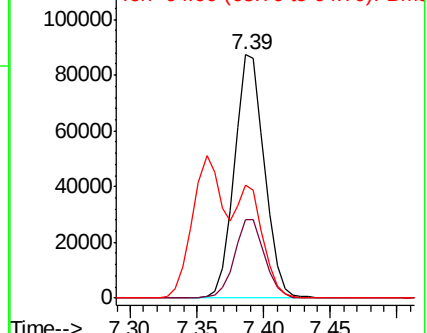
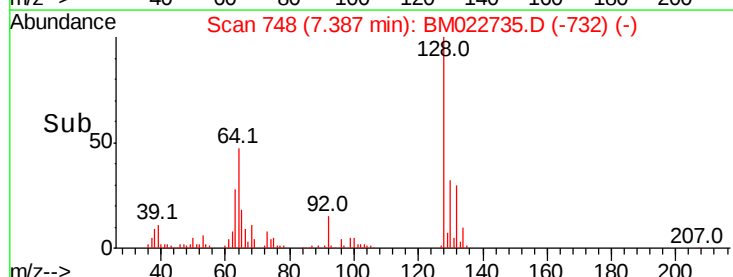


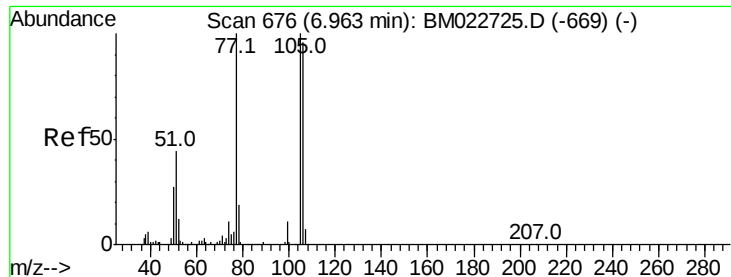
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BM0





#9

Benzaldehyde

Concen: 11.752 ng

RT: 6.96 min Scan# 676

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

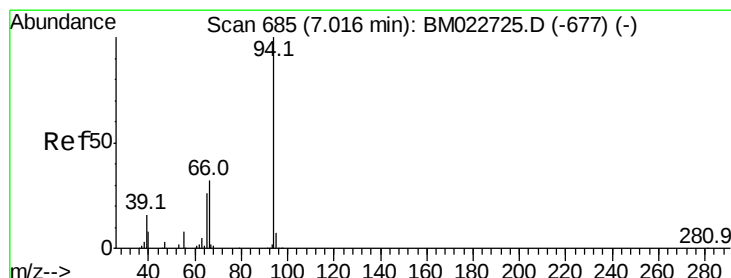
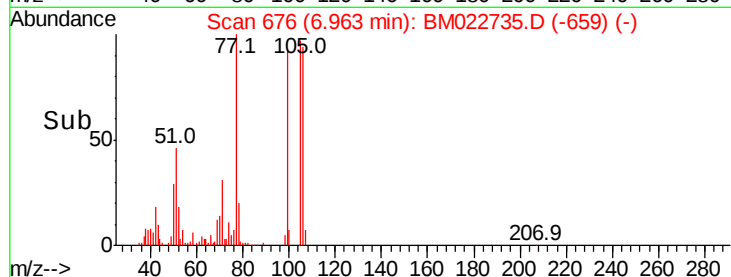
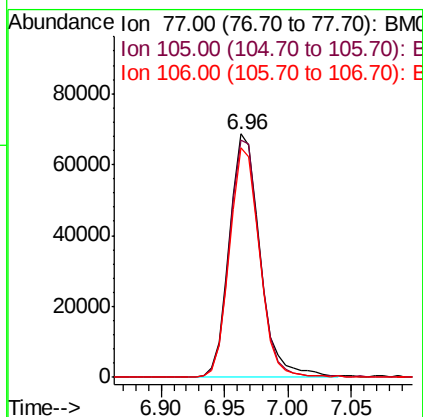
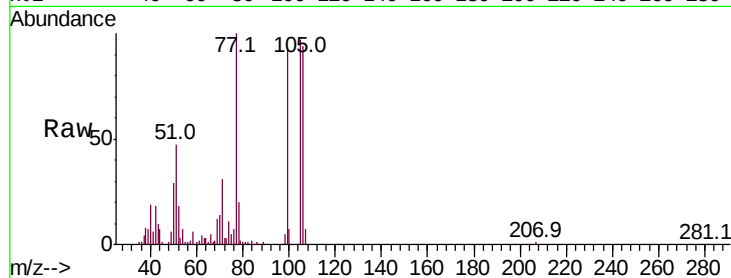
Tot Ion: 77 Resp: 115140

Ion Ratio Lower Upper

77 100

105 97.5 79.6 119.6

106 94.3 76.3 116.3



#10

Phenol

Concen: 9.984 ng

RT: 7.02 min Scan# 685

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

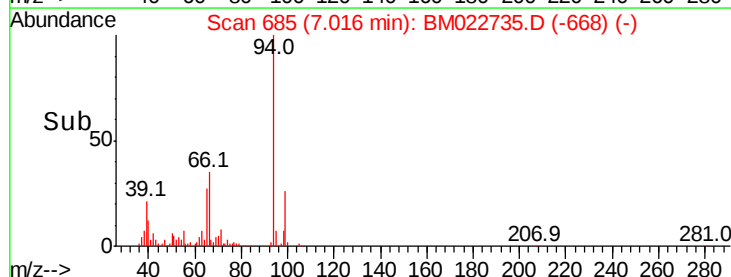
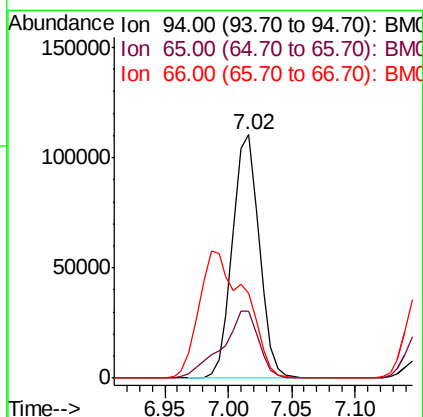
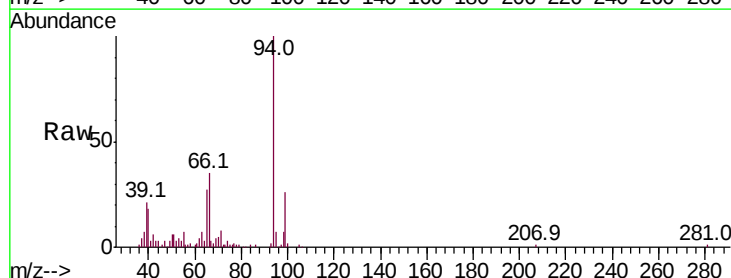
Tgt Ion: 94 Resp: 161728

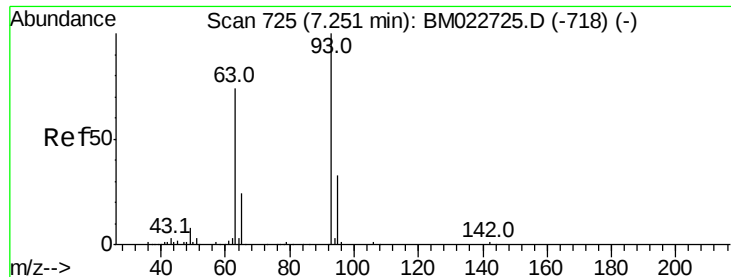
Ion Ratio Lower Upper

94 100

65 27.3 6.7 46.7

66 34.8 13.8 53.8

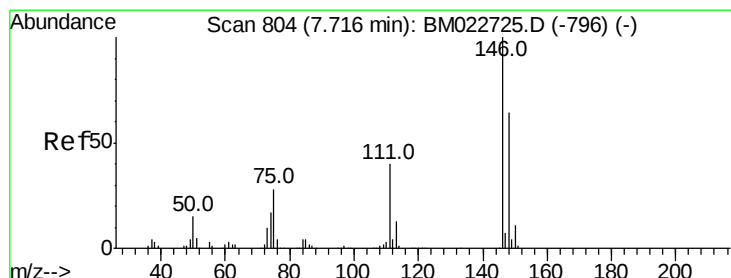
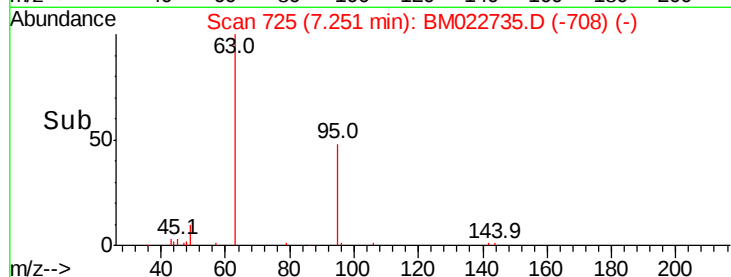
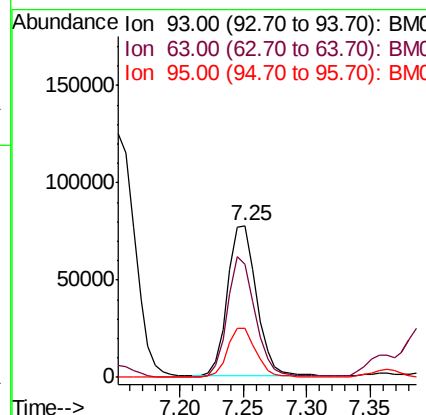
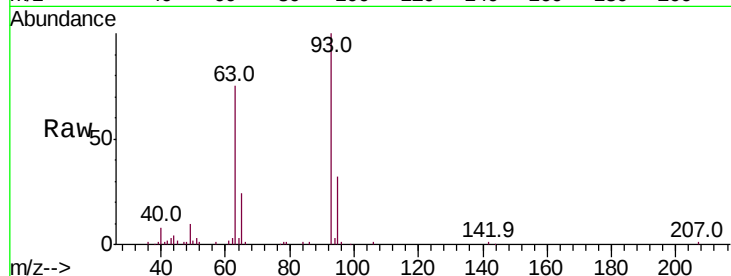




#11
bis(2-Chloroethyl)ether
Concen: 9.679 ng
RT: 7.25 min Scan# 725
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

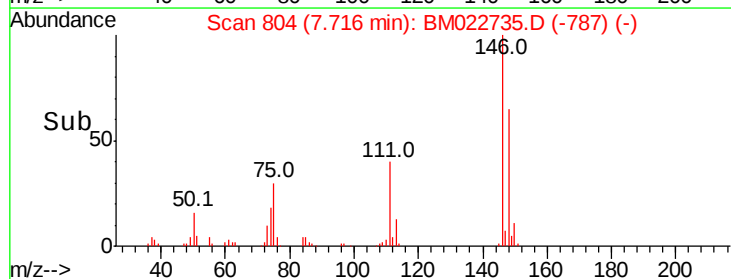
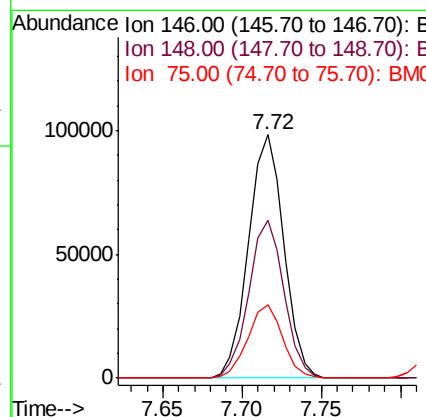
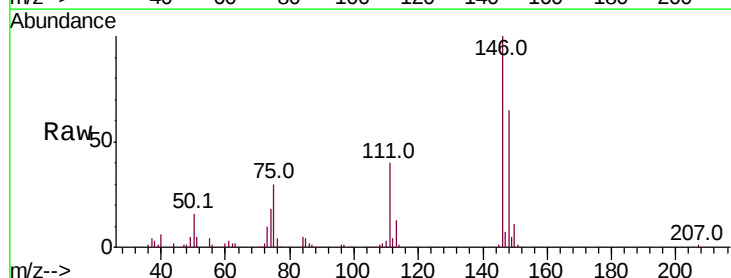
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

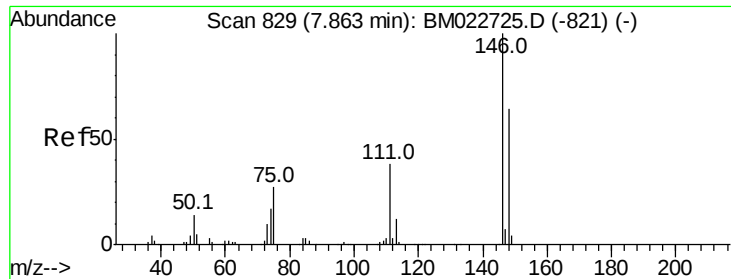
Tot Ion: 93 Resp: 123188
Ion Ratio Lower Upper
93 100
63 74.9 53.8 93.8
95 32.3 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 9.362 ng
RT: 7.72 min Scan# 804
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion: 146 Resp: 152716
Ion Ratio Lower Upper
146 100
148 64.7 51.3 76.9
75 30.1 22.5 33.7

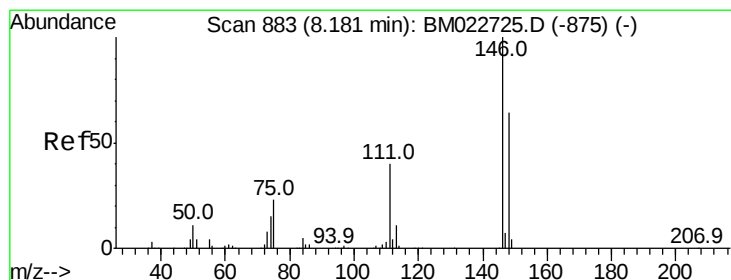
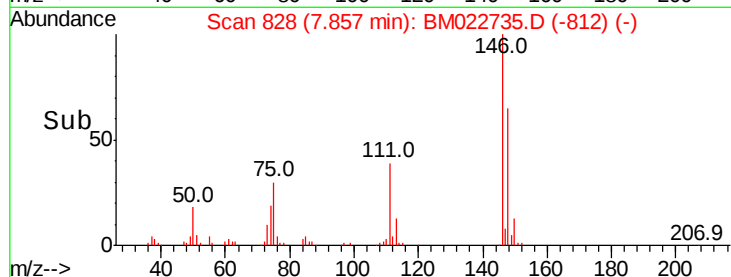
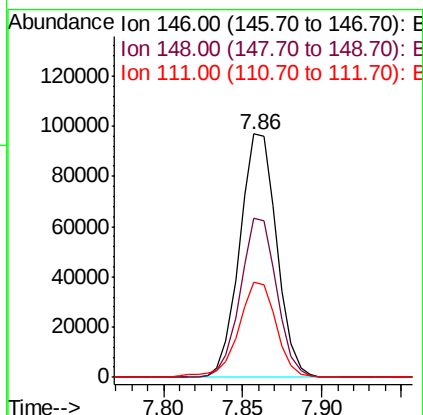
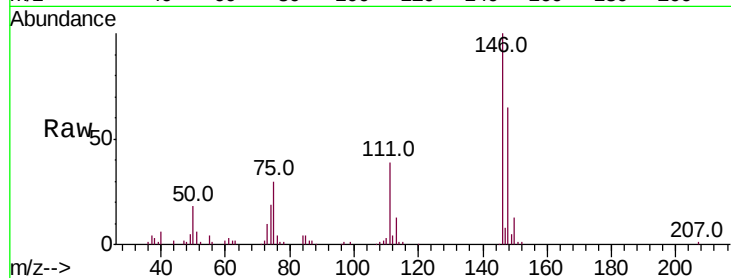




#13
 1,4-Dichlorobenzene
 Concen: 9.495 ng
 RT: 7.86 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

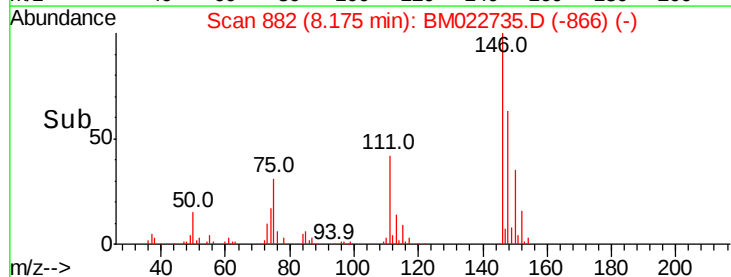
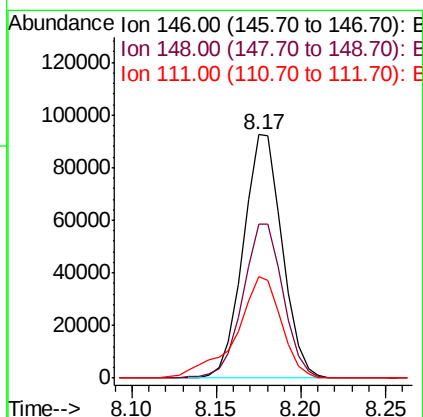
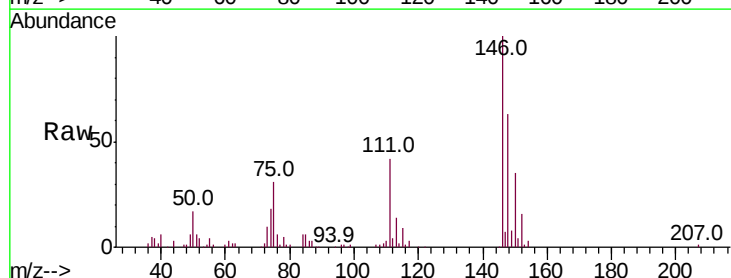
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

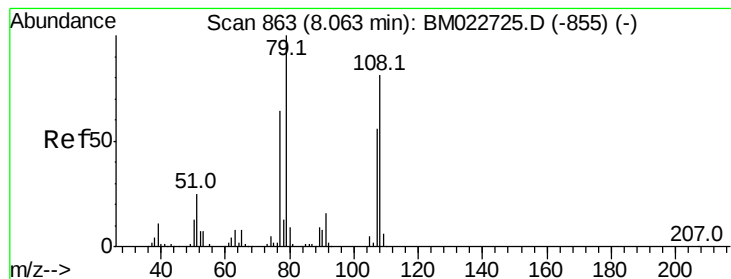
Tot Ion:146 Resp: 156812
 Ion Ratio Lower Upper
 146 100
 148 65.3 51.4 77.0
 111 39.2 30.9 46.3



#14
 1,2-Dichlorobenzene
 Concen: 9.384 ng
 RT: 8.17 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Tgt Ion:146 Resp: 147756
 Ion Ratio Lower Upper
 146 100
 148 63.4 51.3 76.9
 111 41.7 32.3 48.5





#15

Benzyl Alcohol

Concen: 9.476 ng

RT: 8.06 min Scan# 863

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

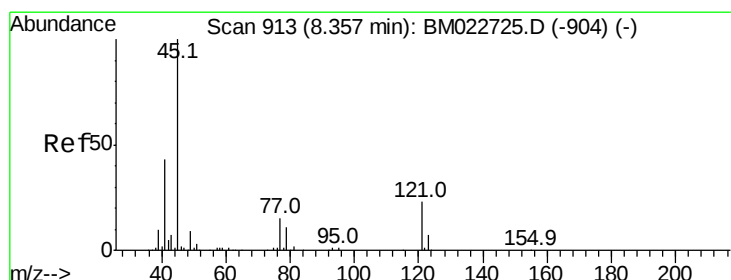
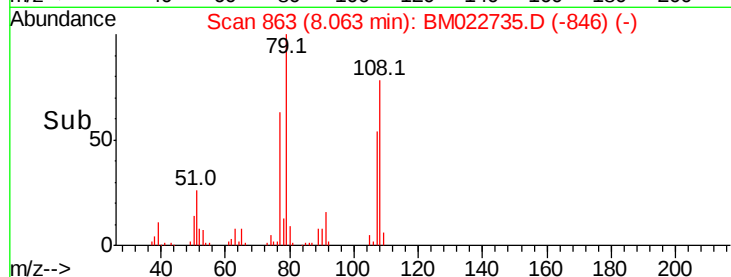
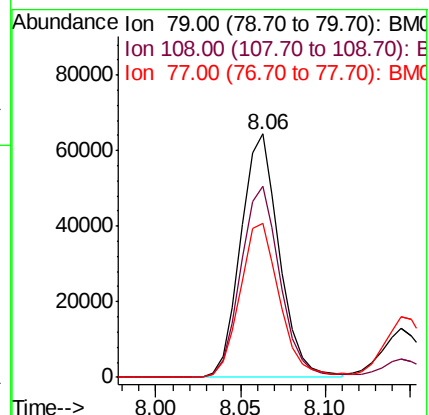
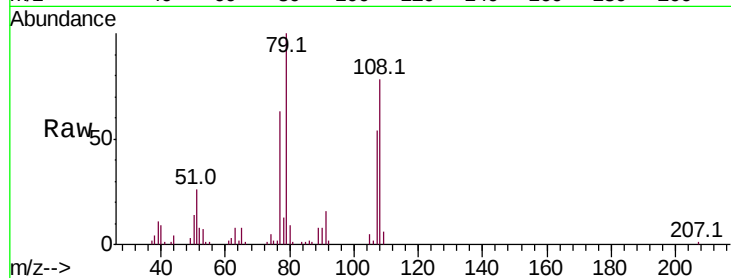
Tot Ion: 79 Resp: 102021

Ion Ratio Lower Upper

79 100

108 78.3 64.9 97.3

77 63.1 51.1 76.7



#16

2,2'-oxybis(1-chloropropane)

Concen: 9.693 ng

RT: 8.36 min Scan# 913

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

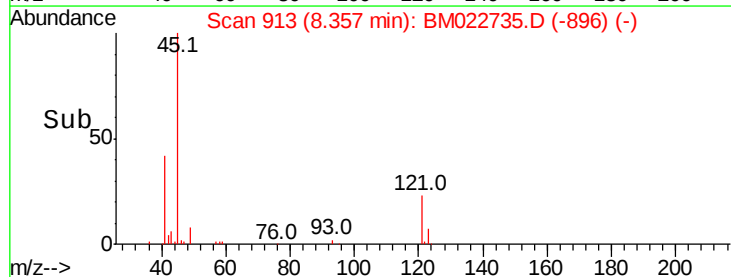
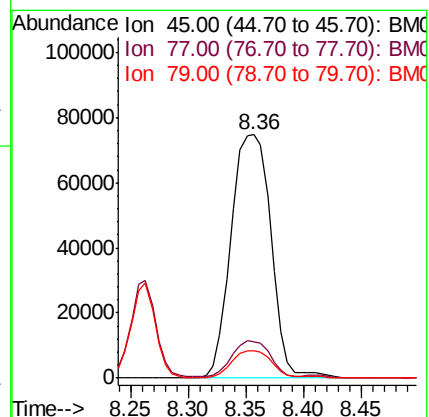
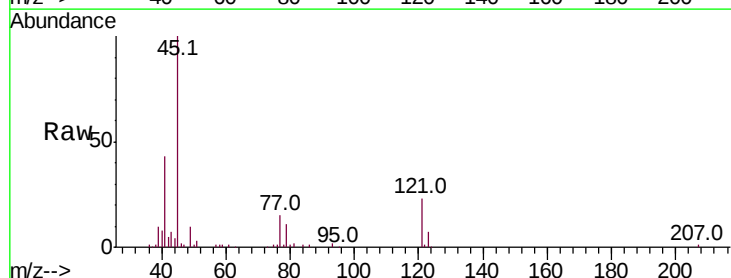
Tgt Ion: 45 Resp: 179196

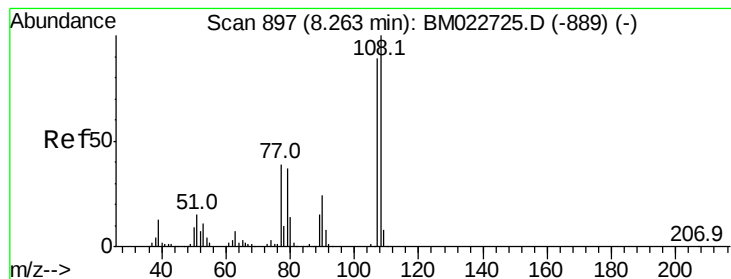
Ion Ratio Lower Upper

45 100

77 15.1 0.0 35.1

79 11.1 0.0 31.4





#17

2-Methylphenol

Concen: 9.430 ng

RT: 8.26 min Scan# 897

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tot Ion:107 Resp: 101103

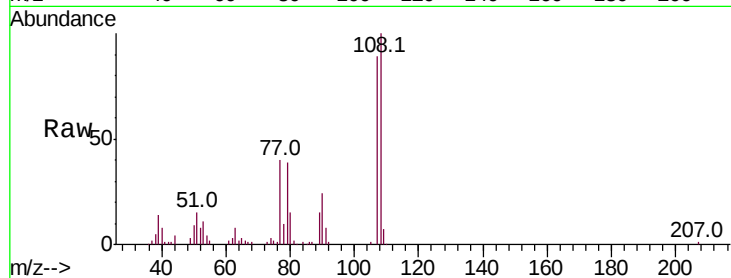
Ion Ratio Lower Upper

107 100

108 112.2 90.0 135.0

77 45.2 35.2 52.8

79 44.0 33.4 50.2

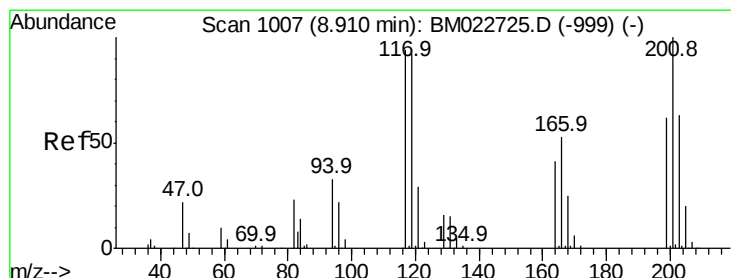
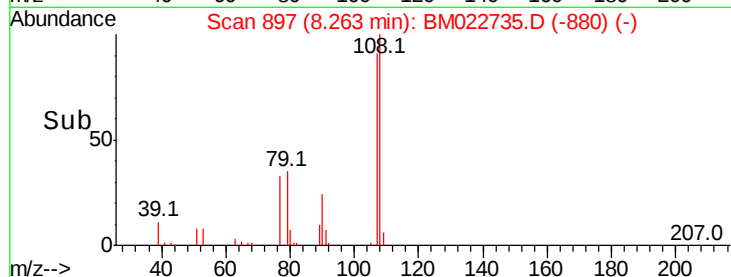
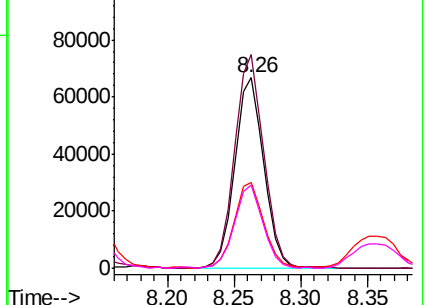


Abundance Ion 107.00 (106.70 to 107.70): E

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: 9.291 ng

RT: 8.91 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

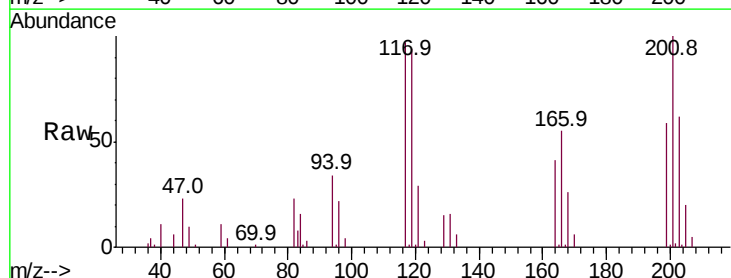
Tgt Ion:117 Resp: 56280

Ion Ratio Lower Upper

117 100

119 96.5 78.0 117.0

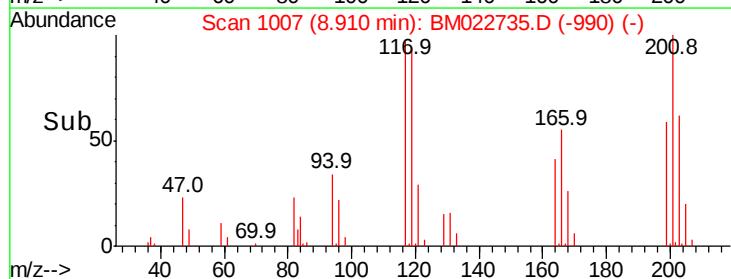
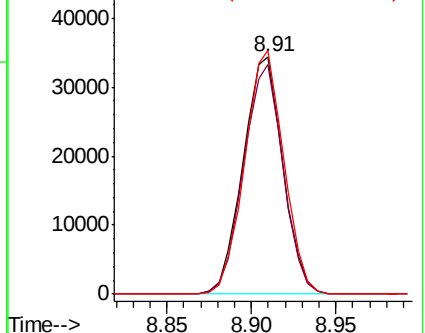
201 102.6 85.0 127.6

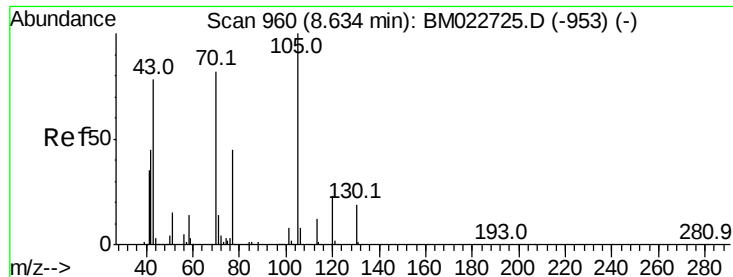


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

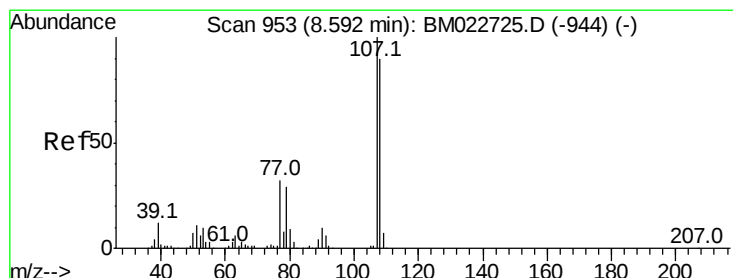
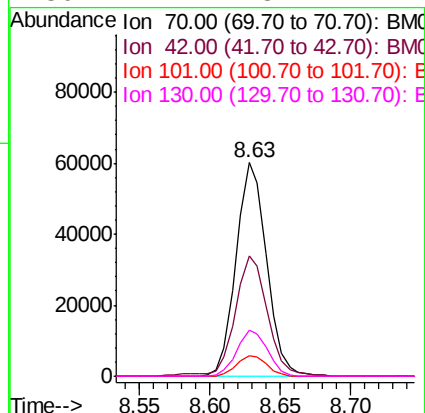
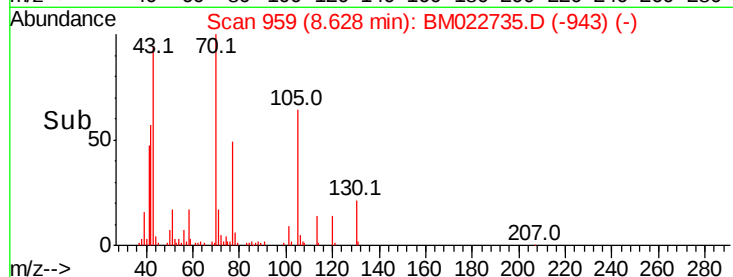
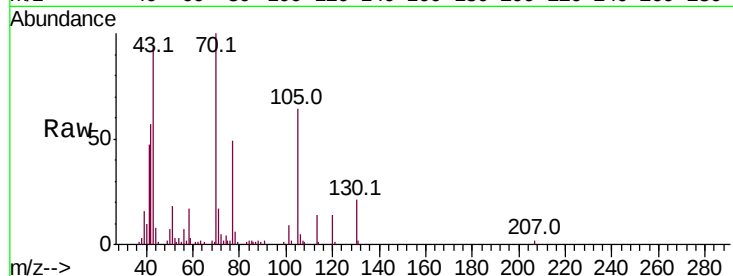




#19
n-Nitroso-di-n-propylamine
Concen: 9.466 ng
RT: 8.63 min Scan# 959
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

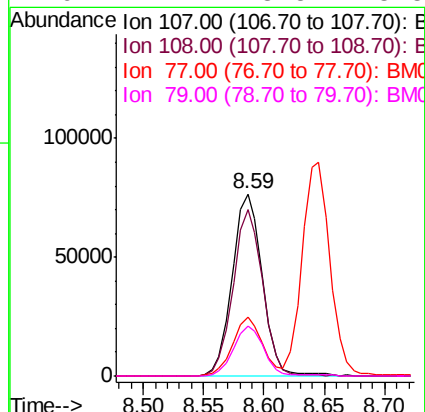
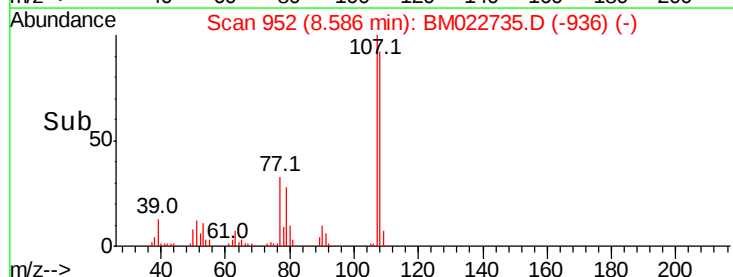
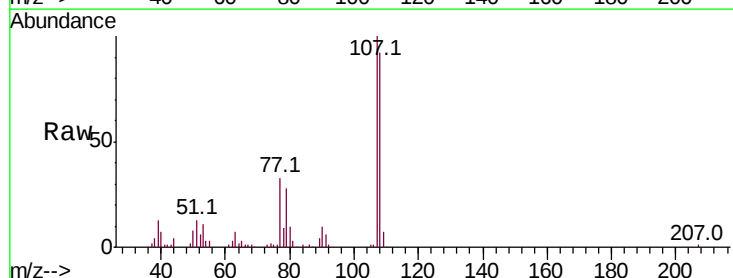
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

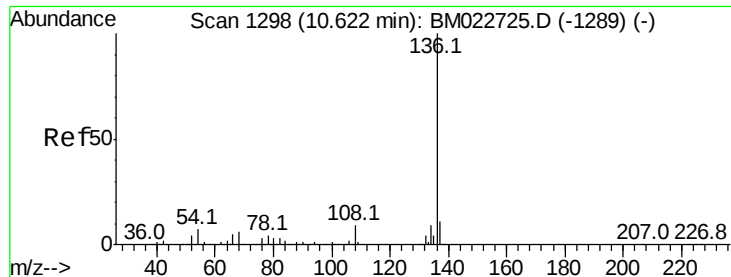
Tot Ion:	70	Resp:	90947
Ion	Ratio	Lower	Upper
70	100		
42	56.5	44.4	66.6
101	9.5	7.8	11.6
130	21.4	18.2	27.4



#20
3+4-Methylphenols
Concen: 9.335 ng
RT: 8.59 min Scan# 952
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion:	107	Resp:	133310
Ion	Ratio	Lower	Upper
107	100		
108	91.8	70.1	110.1
77	32.6	12.1	52.1
79	27.7	8.5	48.5

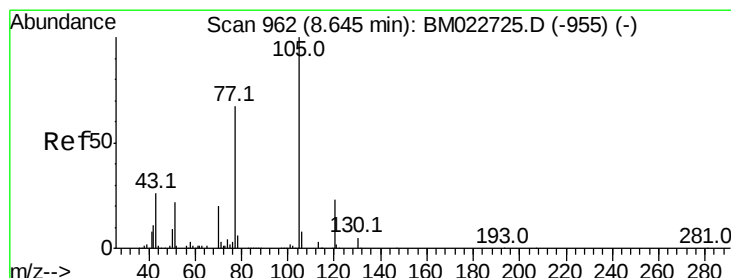
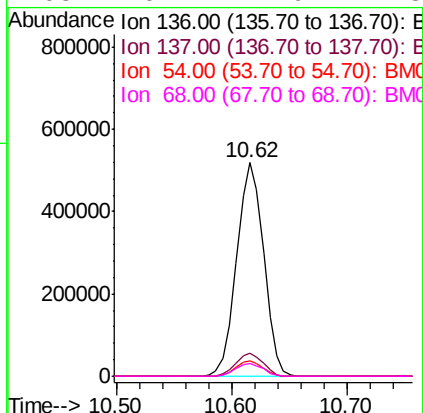
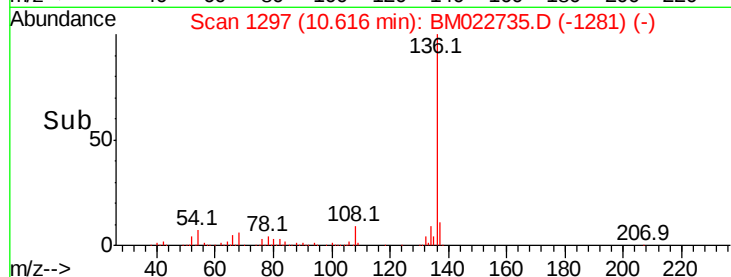
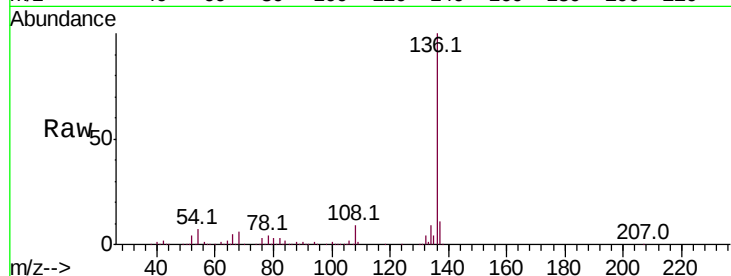




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.62 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

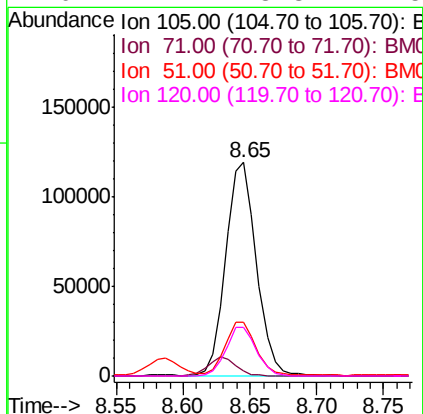
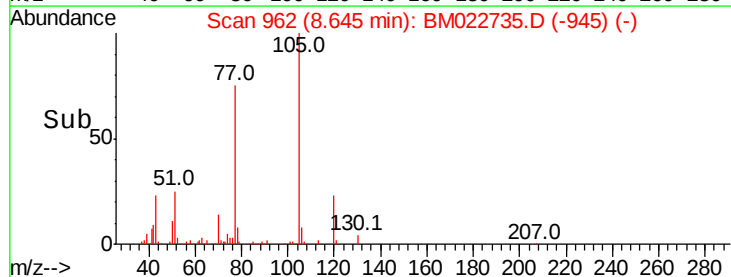
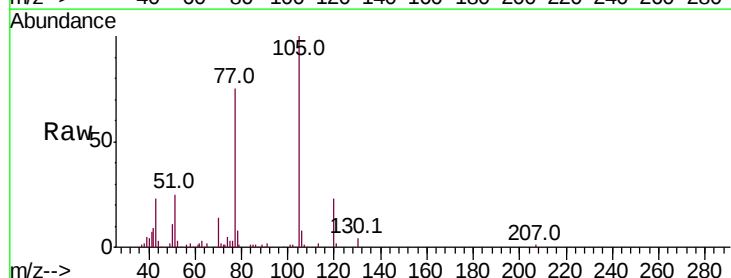
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

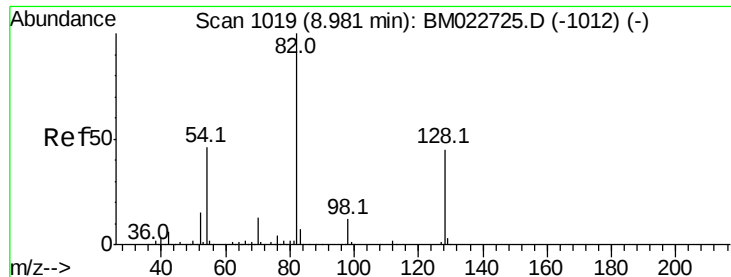
Tot Ion:136	Resp:	839763
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.6 13.0
54	7.4	6.0 9.0
68	6.1	4.9 7.3



#22
Acetophenone
Concen: 9.284 ng
RT: 8.65 min Scan# 962
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion:105	Resp:	192455
Ion Ratio	Lower	Upper
105	100	
71	2.3	2.7 4.1#
51	24.9	19.9 29.9
120	22.7	18.3 27.5

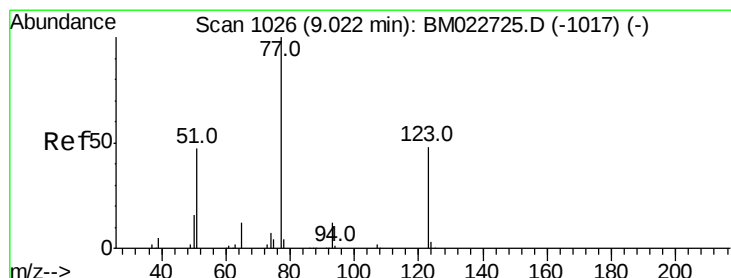
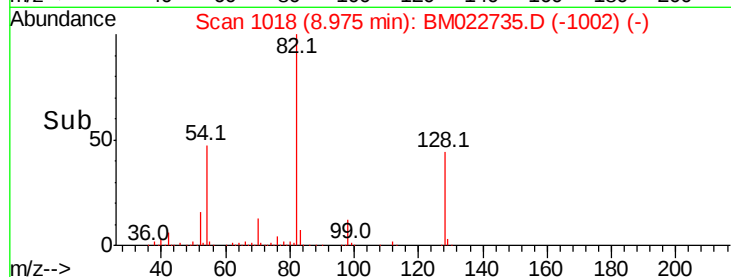
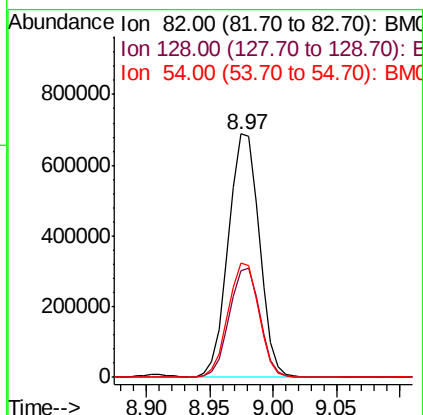
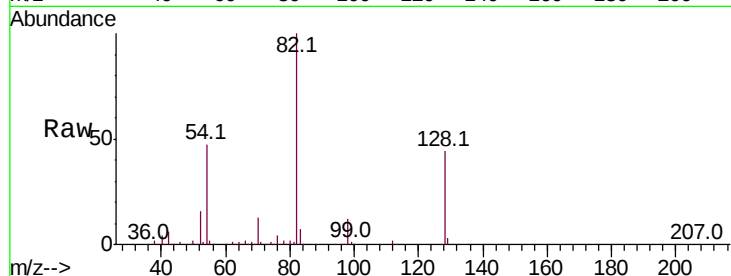




#23
Nitrobenzene-d5
Concen: 76.901 ng
RT: 8.97 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

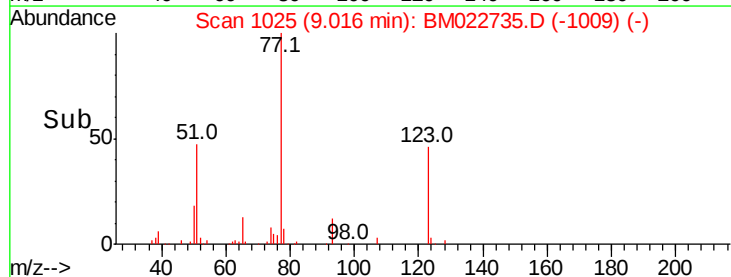
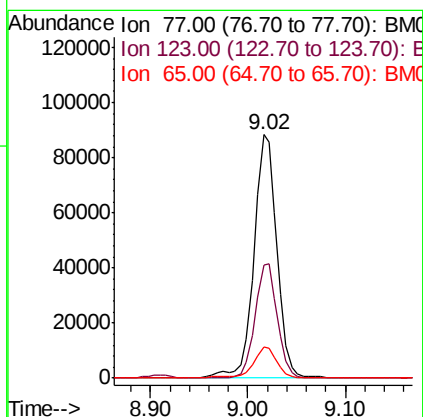
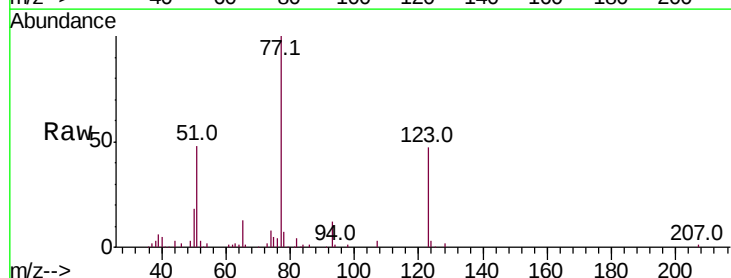
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

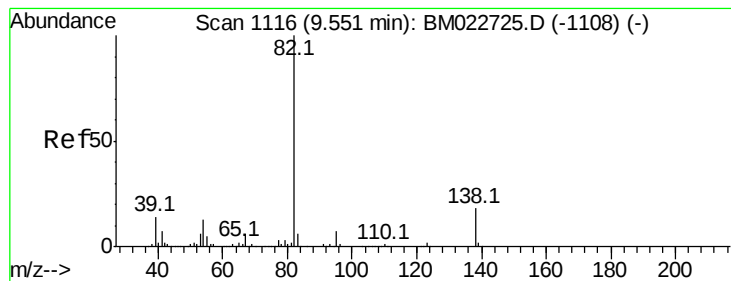
Tot Ion: 82 Resp: 1163372
Ion Ratio Lower Upper
82 100
128 44.0 36.0 54.0
54 47.1 37.1 55.7



#24
Nitrobenzene
Concen: 10.153 ng
RT: 9.02 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion: 77 Resp: 146952
Ion Ratio Lower Upper
77 100
123 46.5 38.0 57.0
65 12.9 10.0 15.0





#25

Isophorone

Concen: 9.325 ng

RT: 9.55 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

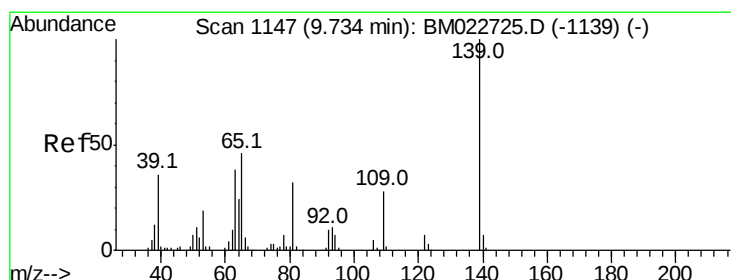
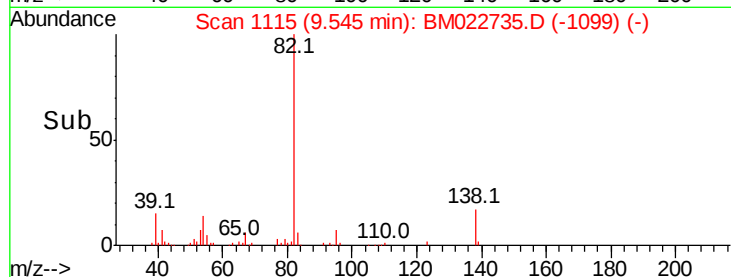
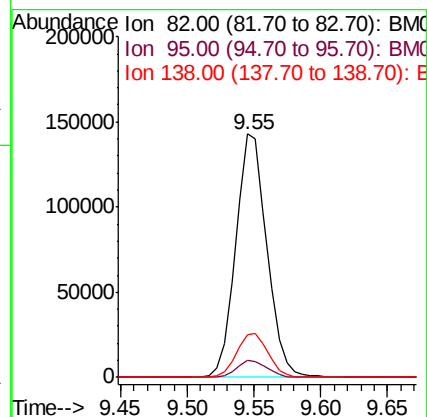
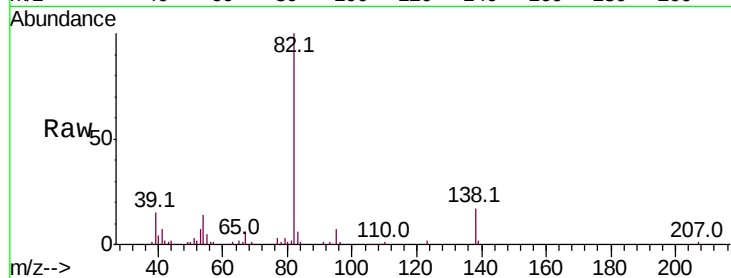
Tot Ion: 82 Resp: 231950

Ion Ratio Lower Upper

82 100

95 6.8 5.4 8.0

138 17.5 14.7 22.1



#26

2-Nitrophenol

Concen: 8.113 ng

RT: 9.73 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

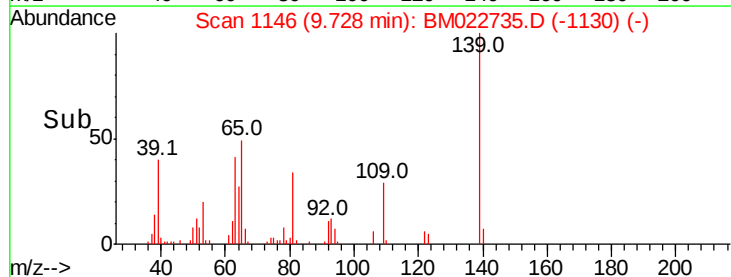
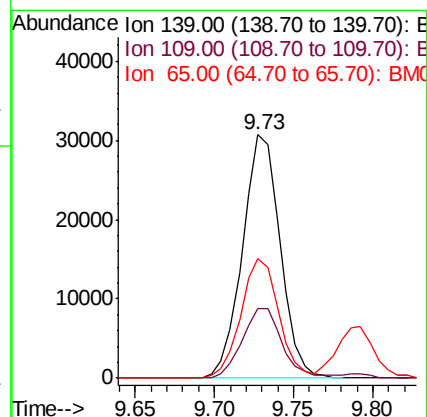
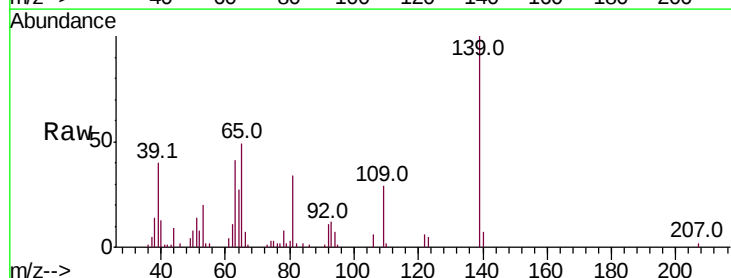
Tgt Ion: 139 Resp: 50697

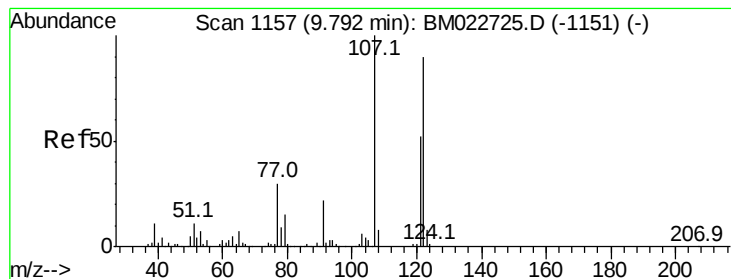
Ion Ratio Lower Upper

139 100

109 28.7 22.6 33.8

65 49.3 37.0 55.4

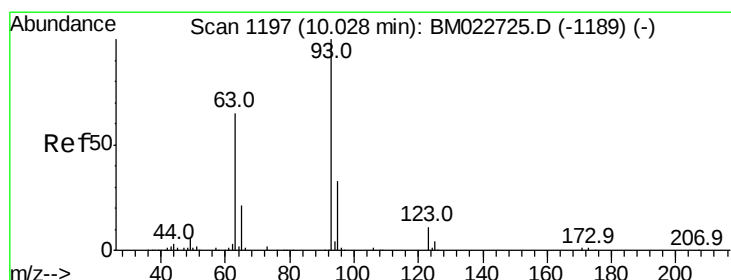
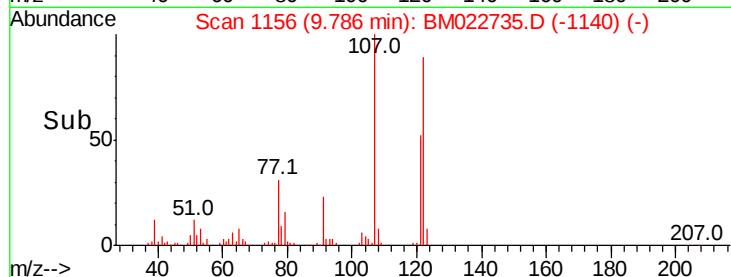
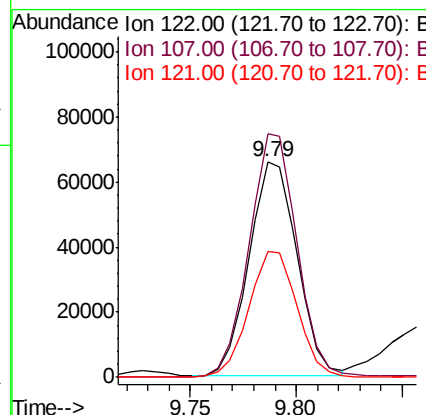
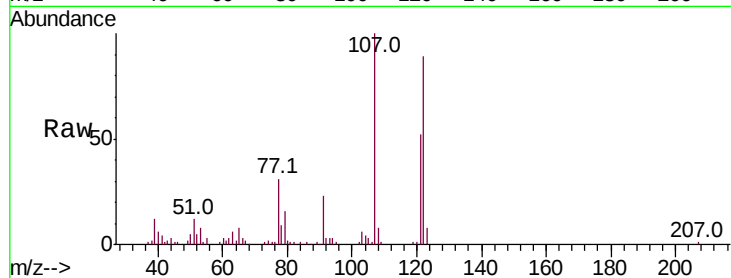




#27
 2,4-Dimethylphenol
 Concen: 9.979 ng
 RT: 9.79 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

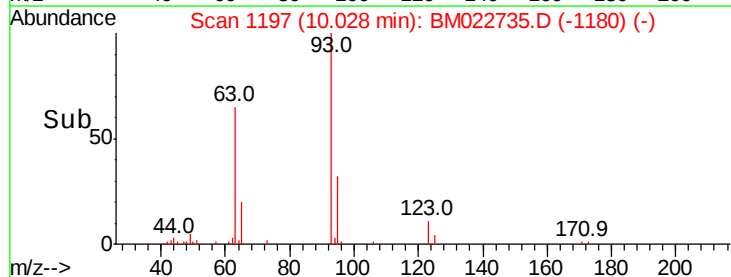
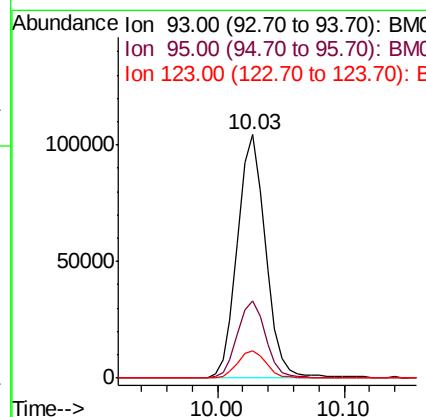
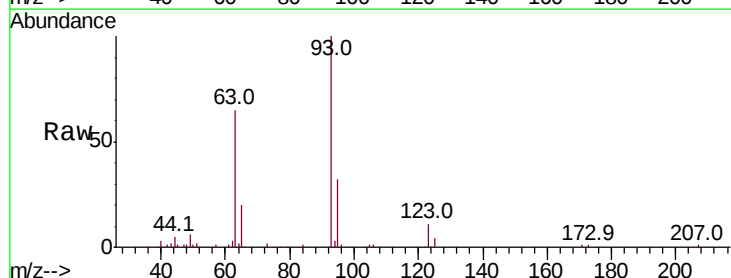
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

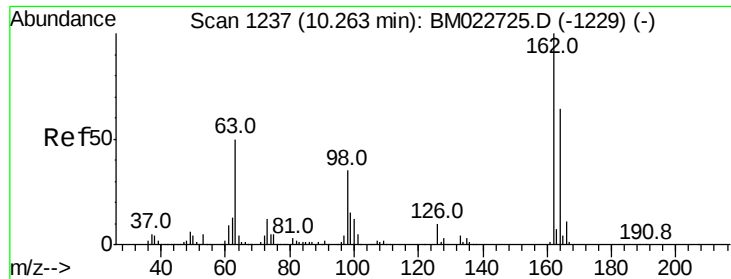
Tot Ion	Ratio	Lower	Upper
122	100		
107	112.7	88.9	133.3
121	58.3	46.5	69.7



#28
 bis(2-Chloroethoxy)methane
 Concen: 9.356 ng
 RT: 10.03 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.6	26.0	39.0
123	11.4	9.0	13.6

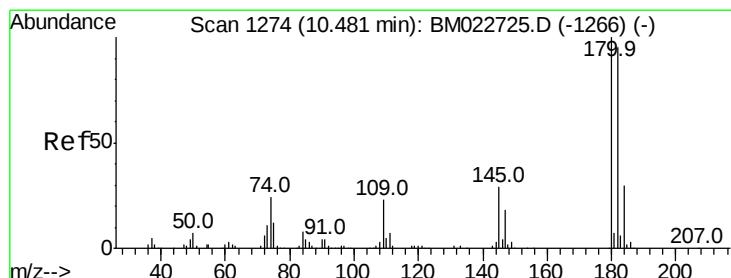
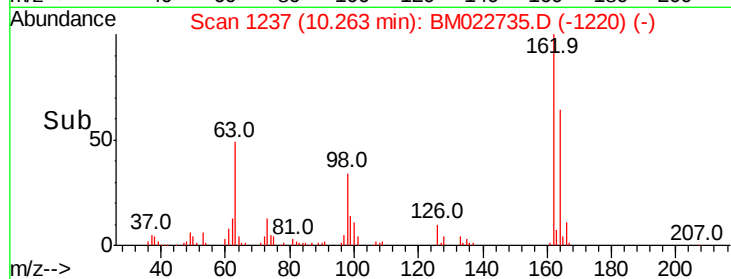
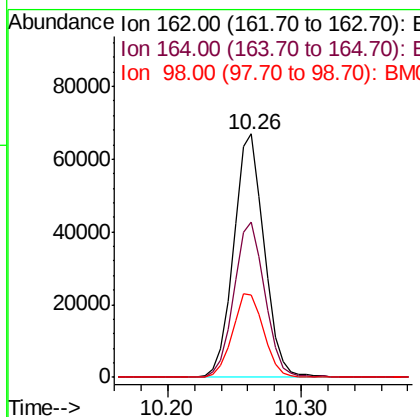
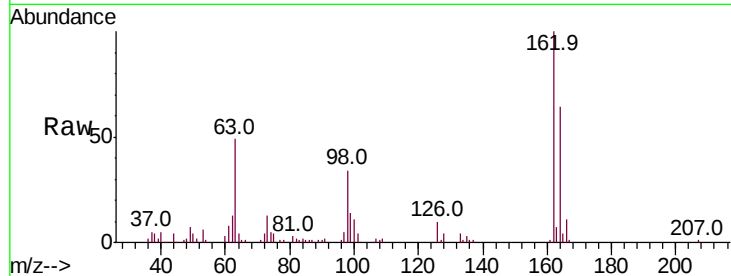




#29
2,4-Dichlorophenol
Concen: 8.972 ng
RT: 10.26 min Scan# 1237
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

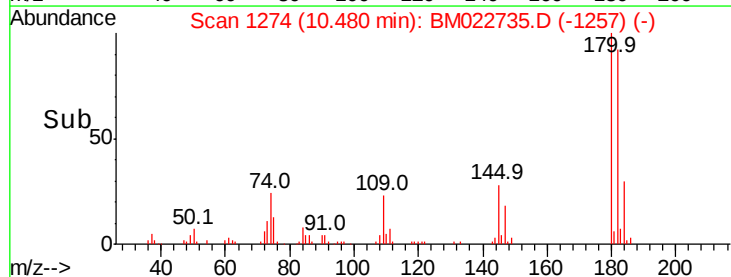
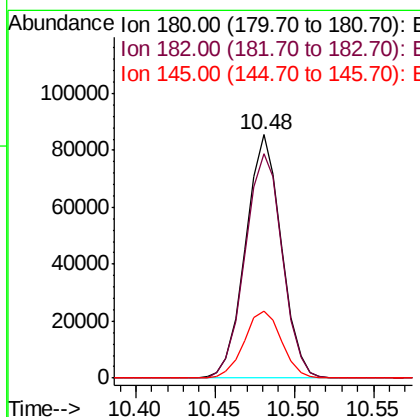
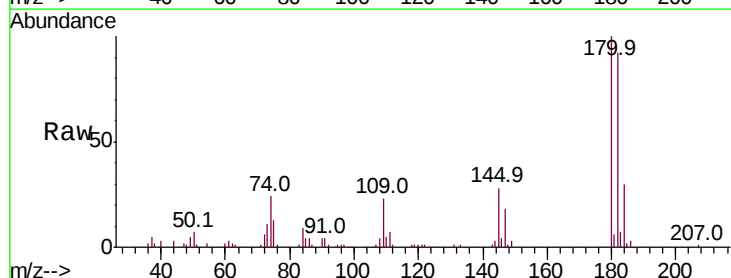
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

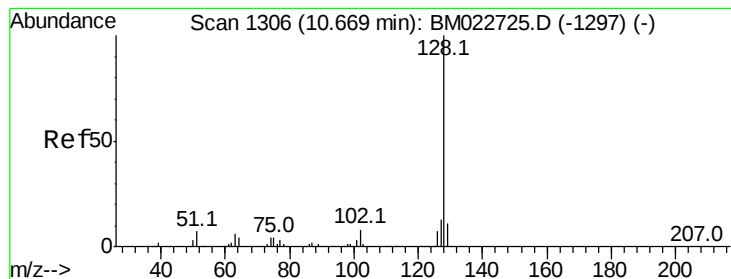
Tot Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.4	84.4
98	33.7	14.8	54.8



#30
1,2,4-Trichlorobenzene
Concen: 9.220 ng
RT: 10.48 min Scan# 1274
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	76.2	114.2
145	27.7	23.0	34.4

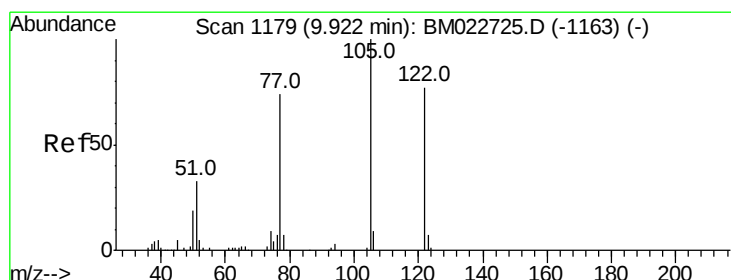
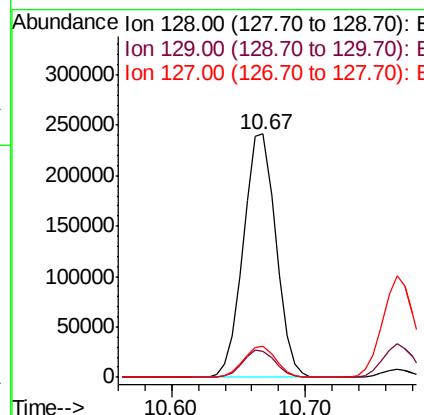
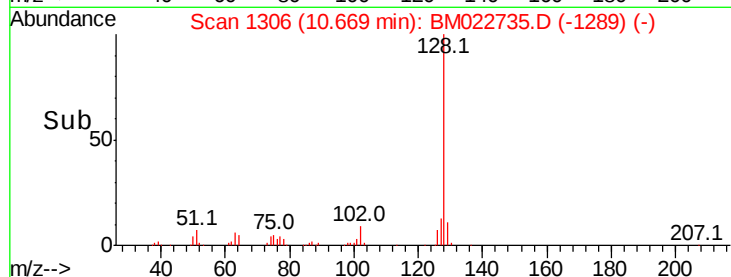
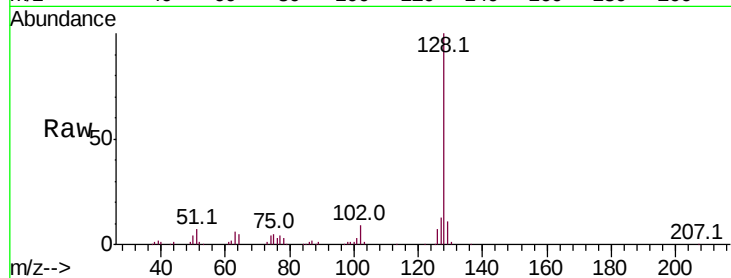




#31
Naphthalene
Concen: 9.814 ng
RT: 10.67 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

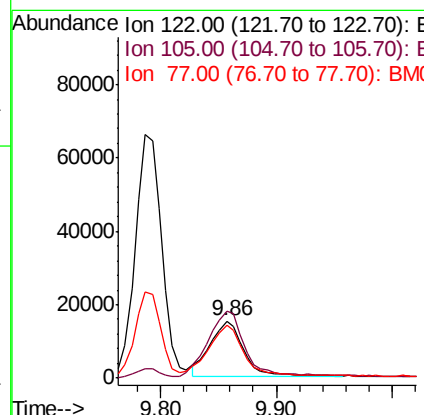
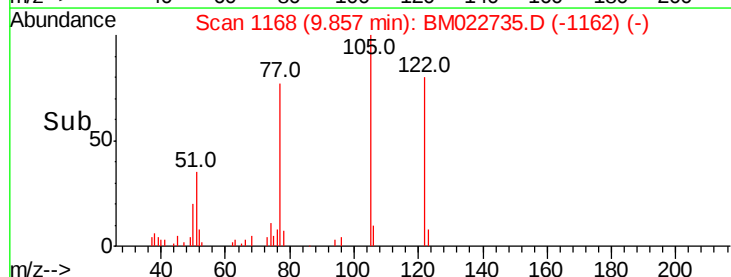
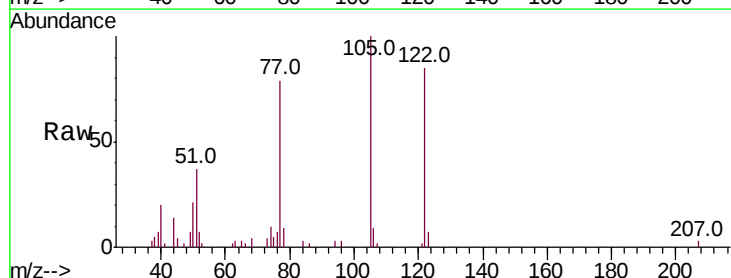
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

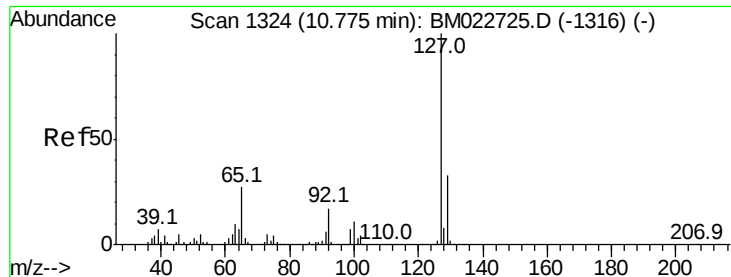
Tot Ion:128 Resp: 407211
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 12.8 10.2 15.4



#32
Benzoic acid
Concen: 7.775 ng
RT: 9.86 min Scan# 1168
Delta R.T. -0.06 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion:122 Resp: 30156
Ion Ratio Lower Upper
122 100
105 117.1 105.3 145.3
77 92.7 74.7 114.7

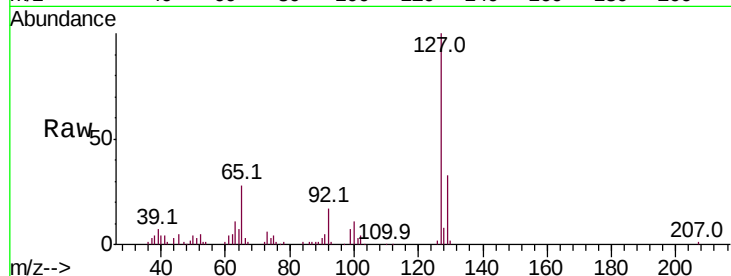




#33
4-Chloroaniline
Concen: 9.268 ng
RT: 10.77 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion:	127	Resp:	166975
Ion	Ratio	Lower	Upper
127	100		
129	33.1	26.1	39.1
65	28.2	22.0	33.0
92	17.4	13.8	20.8



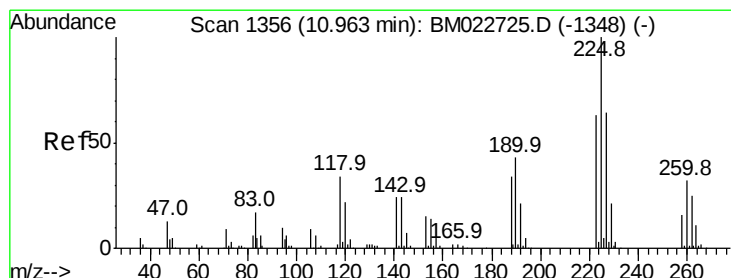
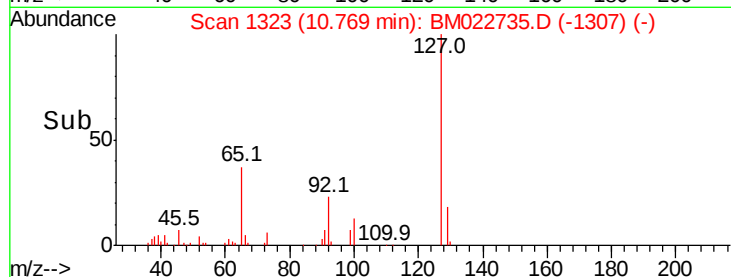
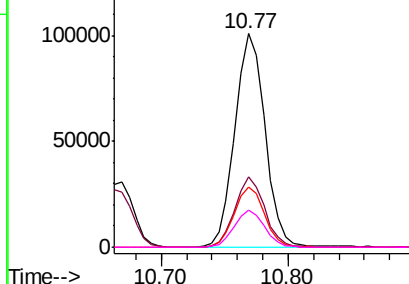
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

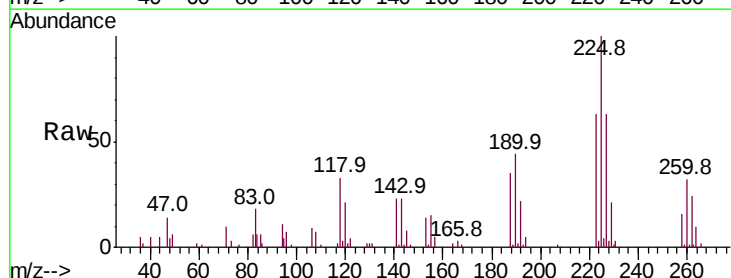
Ion 65.00 (64.70 to 65.70): BM

Ion 92.00 (91.70 to 92.70): BM



#34
Hexachlorobutadiene
Concen: 8.853 ng
RT: 10.96 min Scan# 1356
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion:	225	Resp:	76792
Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.2	75.4
227	63.2	51.0	76.4

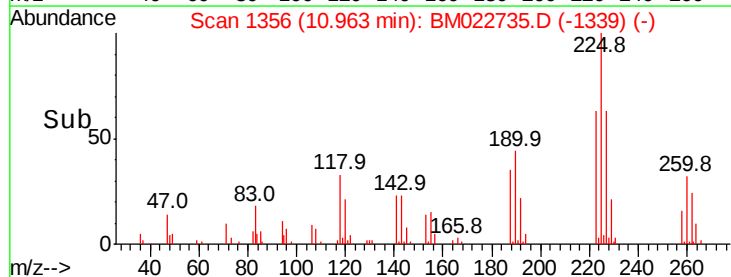
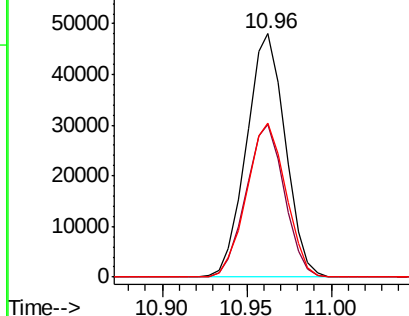


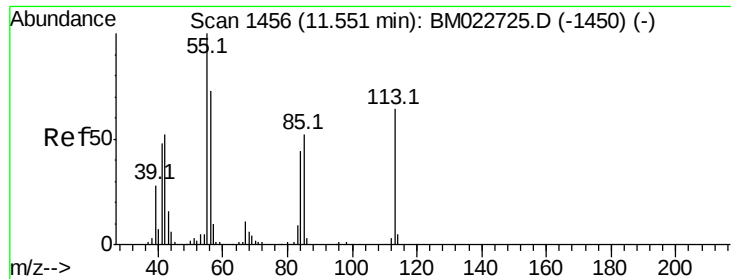
Abundance

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: 7.668 ng

RT: 11.55 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

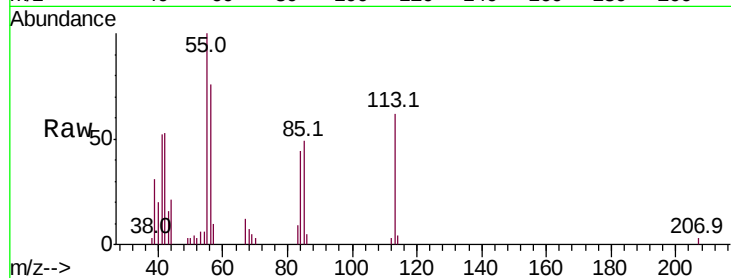
Tot Ion:113 Resp: 26886

Ion Ratio Lower Upper

113 100

55 161.6 136.8 176.8

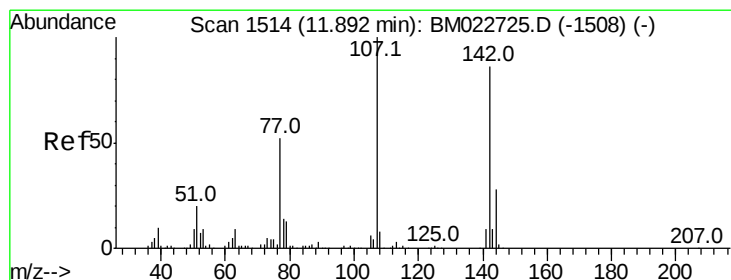
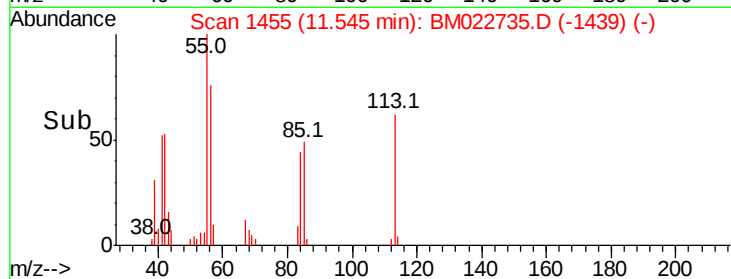
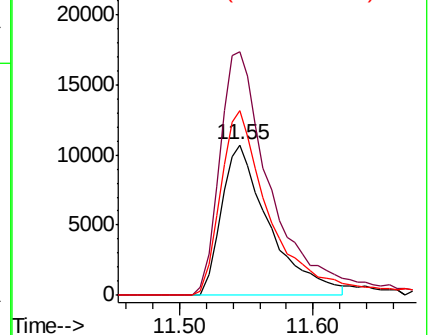
56 122.3 95.2 135.2



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 9.039 ng

RT: 11.89 min Scan# 1514

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

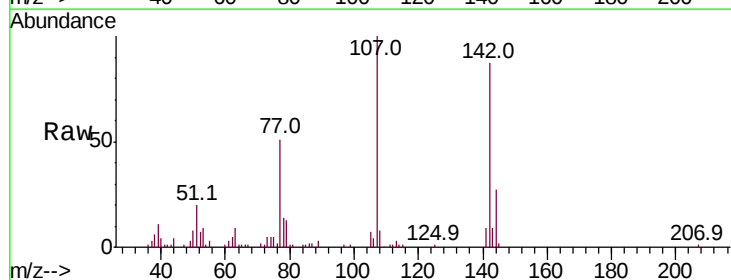
Tgt Ion:107 Resp: 104296

Ion Ratio Lower Upper

107 100

144 27.0 22.4 33.6

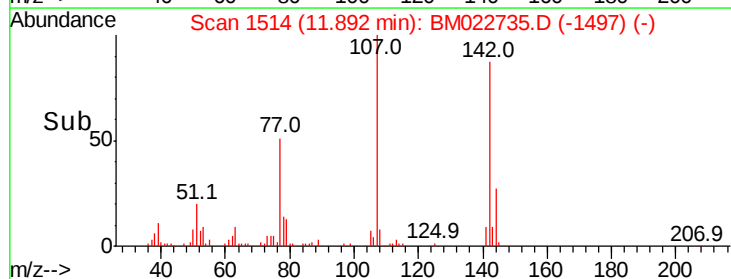
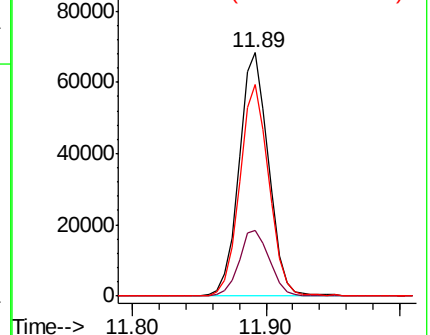
142 87.1 68.2 102.4

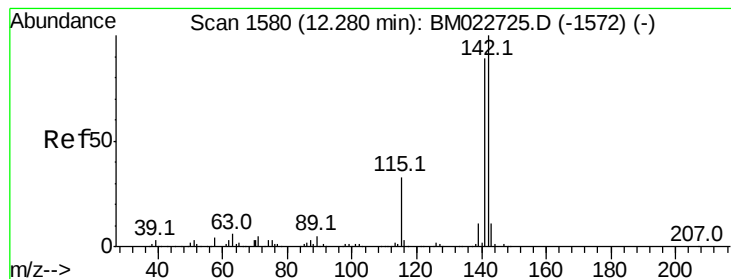


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 9.641 ng

RT: 12.28 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

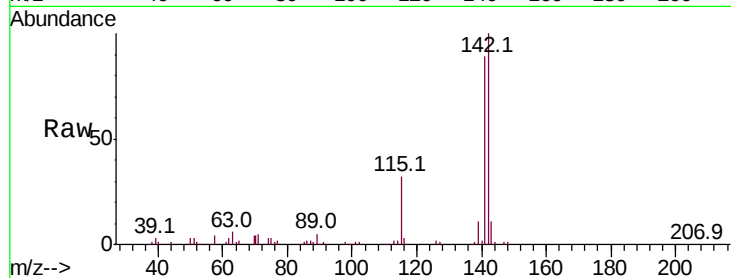
Tot Ion:142 Resp: 278444

Ion Ratio Lower Upper

142 100

141 89.0 71.5 107.3

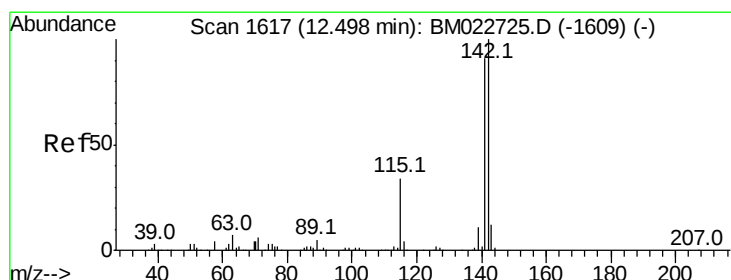
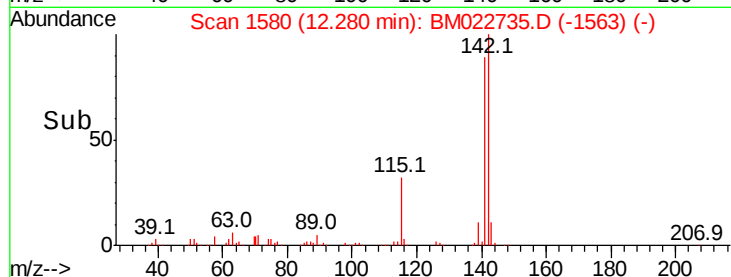
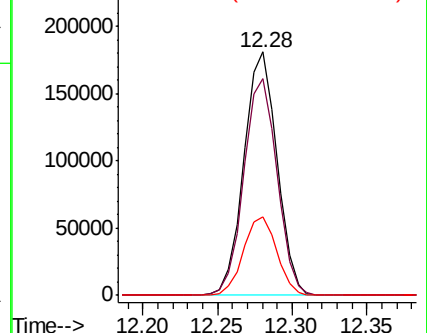
115 32.2 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 9.520 ng

RT: 12.50 min Scan# 1617

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

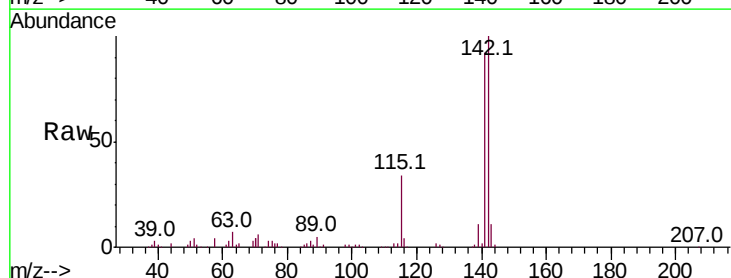
Tgt Ion:142 Resp: 260993

Ion Ratio Lower Upper

142 100

141 92.3 73.0 109.4

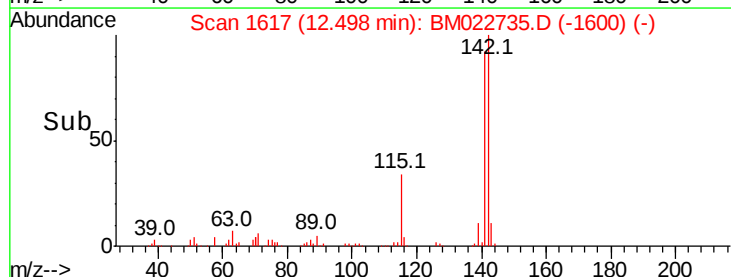
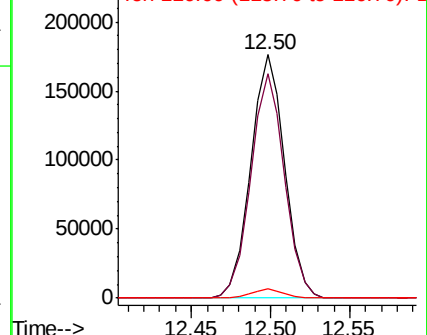
116 3.7 2.9 4.3

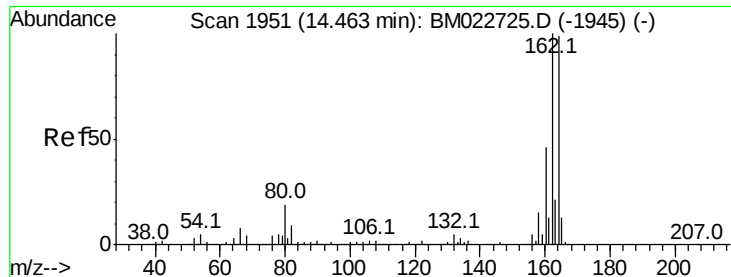


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

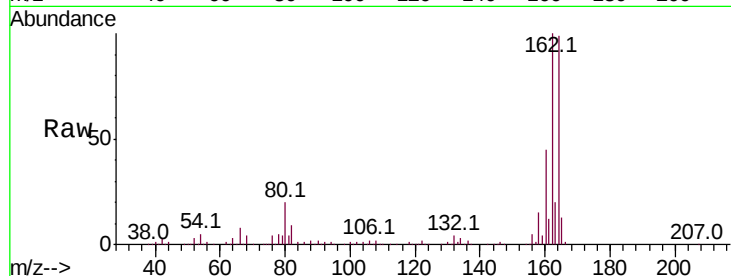
Tot Ion:164 Resp: 469989

Ion Ratio Lower Upper

164 100

162 101.5 81.1 121.7

160 45.8 36.9 55.3

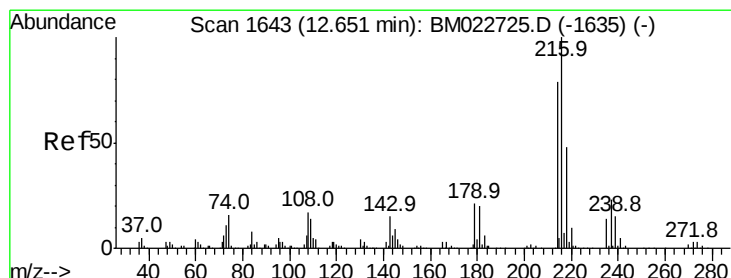
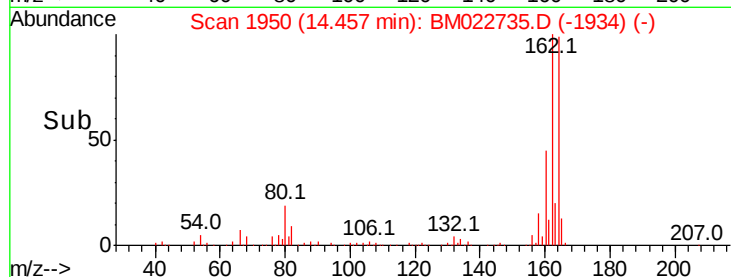
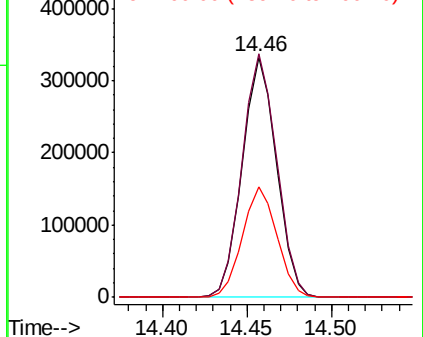


Abundance

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: 8.749 ng

RT: 12.65 min Scan# 1643

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Tgt Ion:216 Resp: 139329

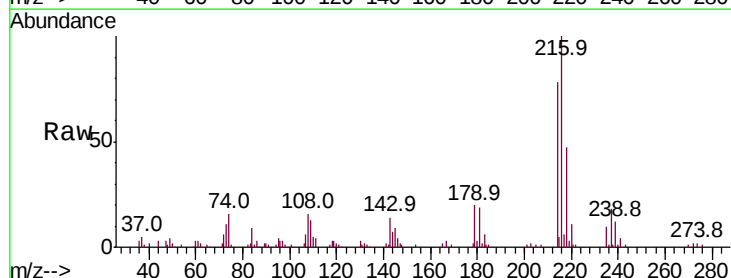
Ion Ratio Lower Upper

216 100

214 78.2 62.9 94.3

179 20.8 16.6 24.8

108 18.7 14.2 21.4



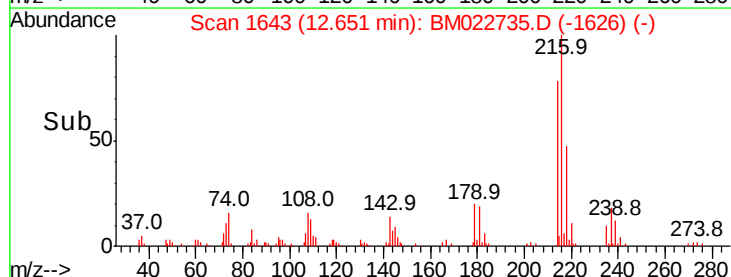
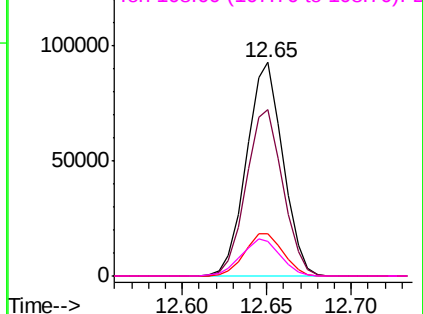
Abundance

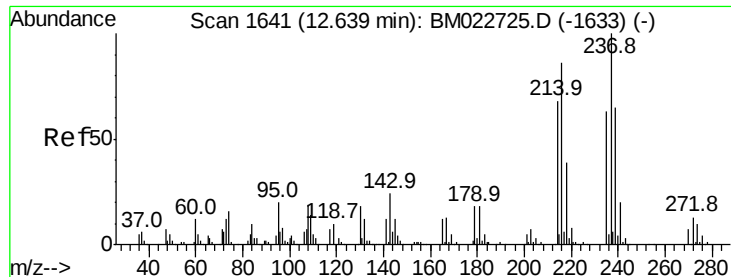
Ion 216.00 (215.70 to 216.70): E

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: 9.375 ng

RT: 12.63 min Scan# 1640

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

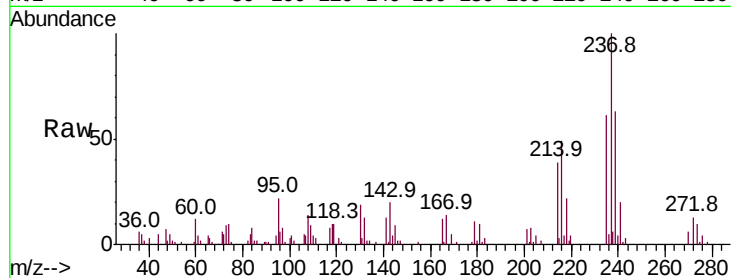
Tot Ion:237 Resp: 81455

Ion Ratio Lower Upper

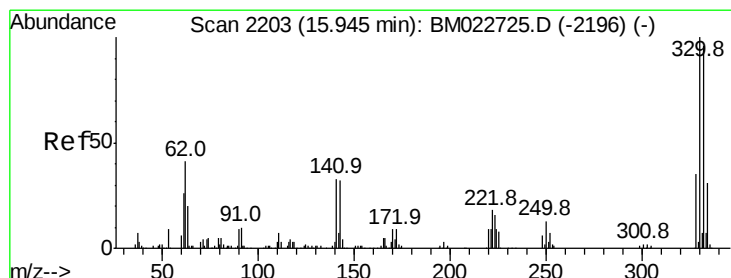
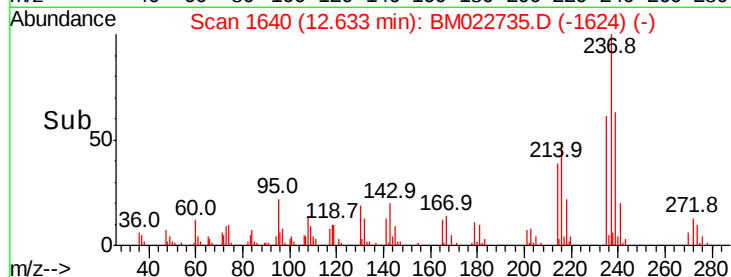
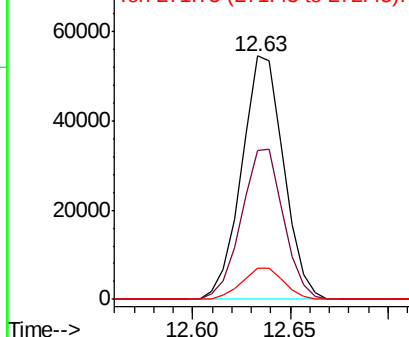
237 100

235 61.3 43.3 83.3

272 12.9 0.0 32.6



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



#42

2,4,6-Tribromophenol

Concen: 117.133 ng

RT: 15.94 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

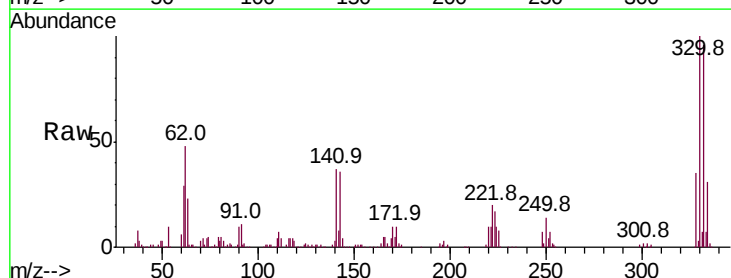
Tgt Ion:330 Resp: 687227

Ion Ratio Lower Upper

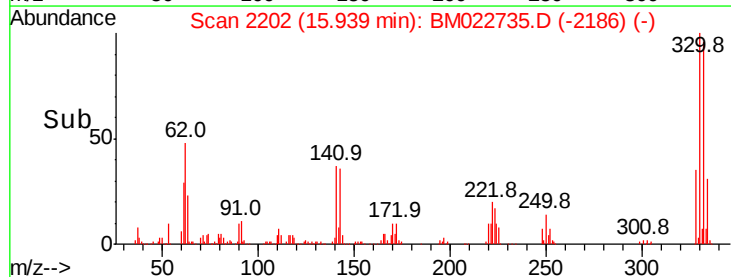
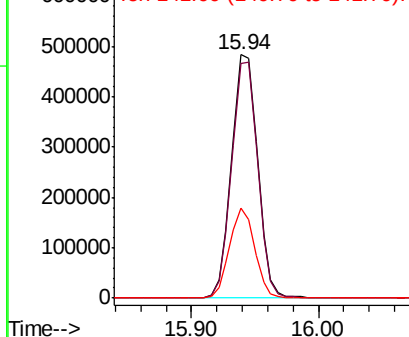
330 100

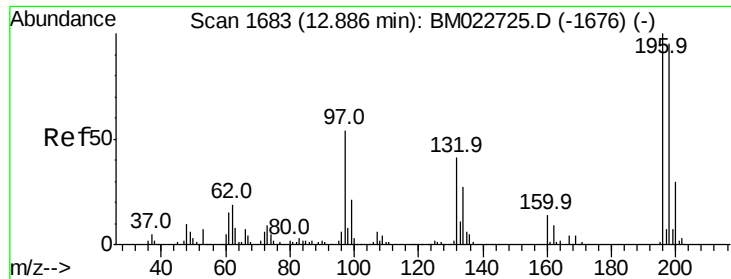
332 97.0 76.9 115.3

141 35.8 28.6 42.8



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

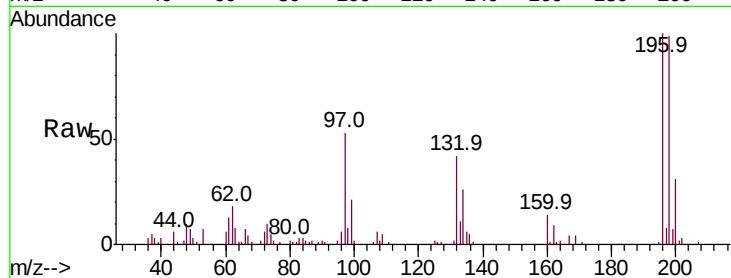




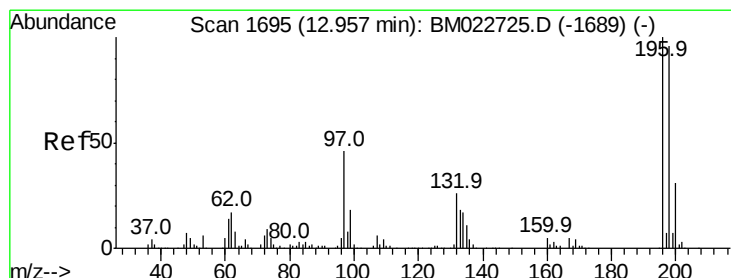
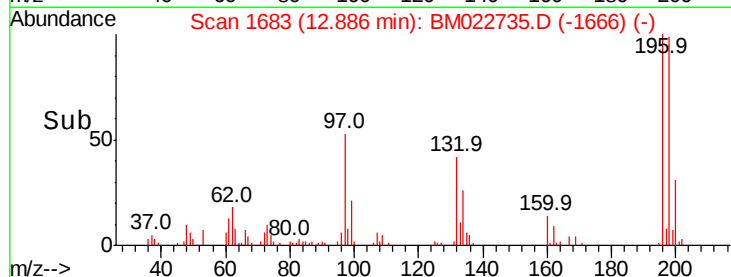
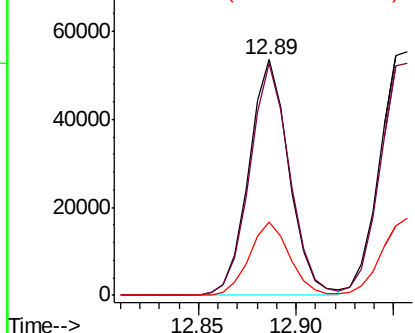
#43
 2,4,6-Trichlorophenol
 Concen: 8.303 ng
 RT: 12.89 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Tot Ion:196 Resp: 76316
 Ion Ratio Lower Upper
 196 100
 198 98.7 76.3 114.5
 200 31.3 24.4 36.6



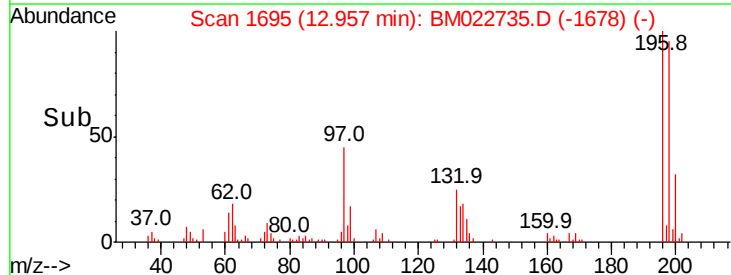
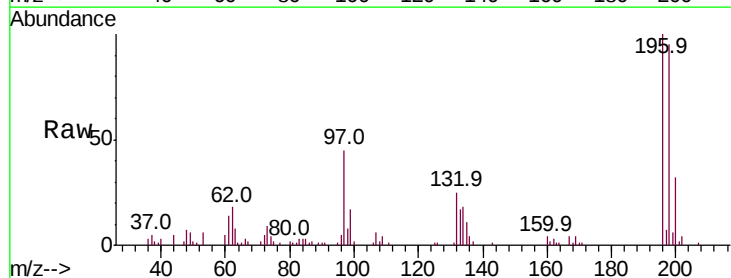
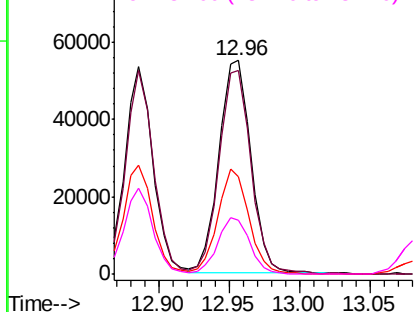
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

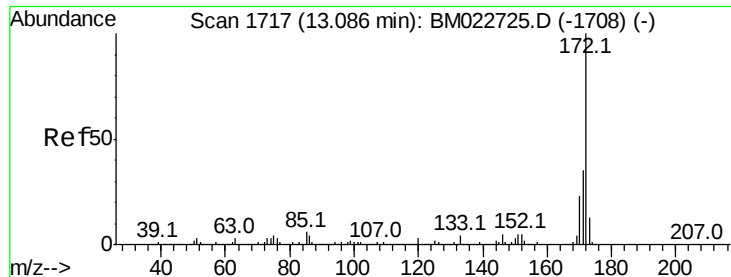


#44
 2,4,5-Trichlorophenol
 Concen: 9.030 ng
 RT: 12.96 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Tgt Ion:196 Resp: 86490
 Ion Ratio Lower Upper
 196 100
 198 95.3 77.0 115.4
 97 45.4 37.2 55.8
 132 25.4 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): BM
 Ion 132.00 (131.70 to 132.70): E



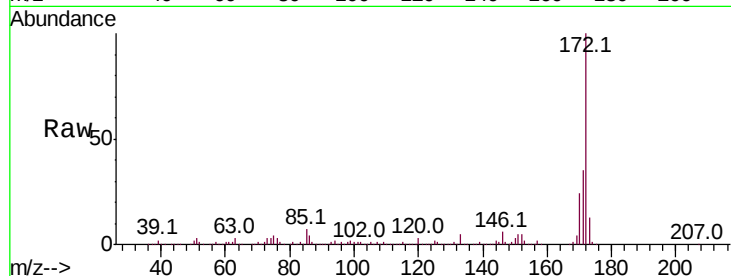


#45
2-Fluorobiphenyl
Concen: 77.422 ng
RT: 13.08 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

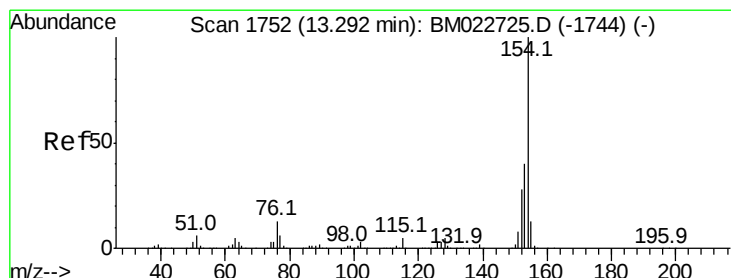
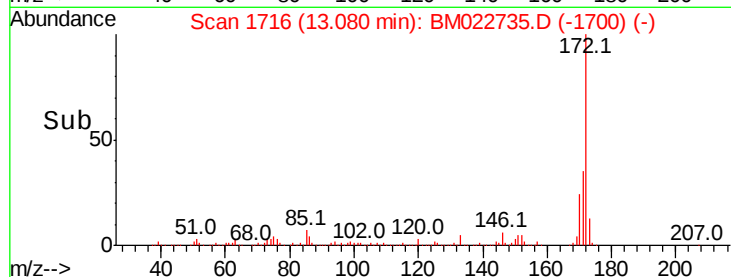
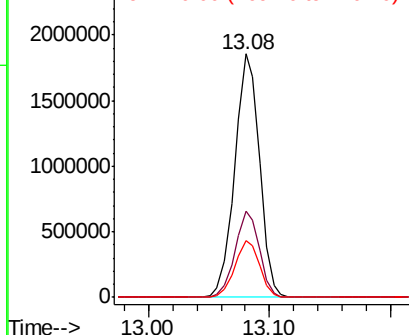
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion:172 Resp: 2642427

Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.8	41.8
170	23.5	18.7	28.1



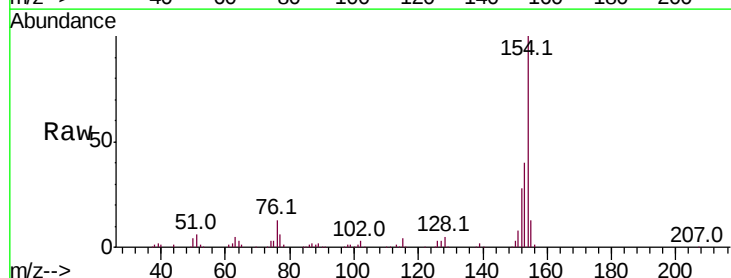
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



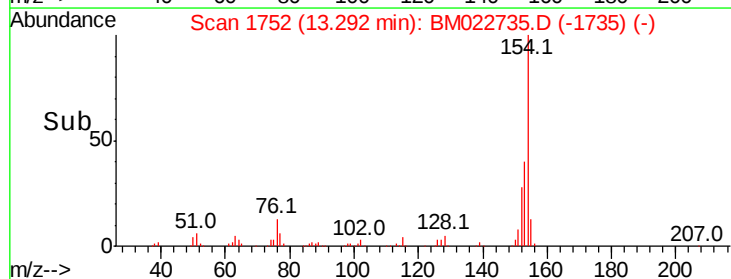
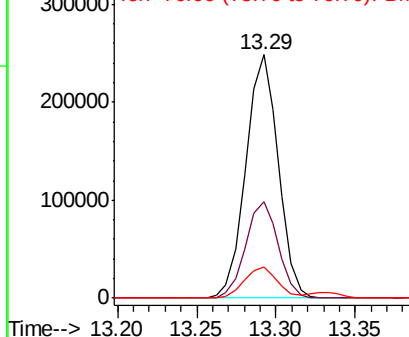
#46
1,1'-Biphenyl
Concen: 9.055 ng
RT: 13.29 min Scan# 1752
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

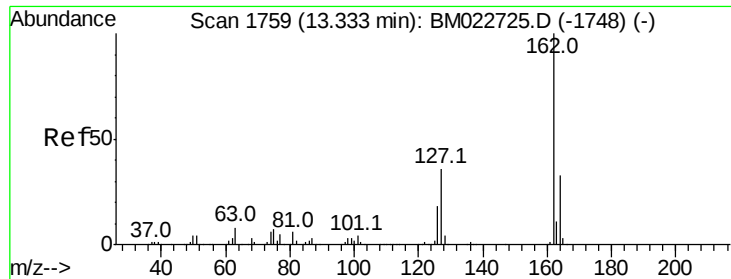
Tgt Ion:154 Resp: 352236

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.1	60.1
76	12.7	0.0	32.6



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BM

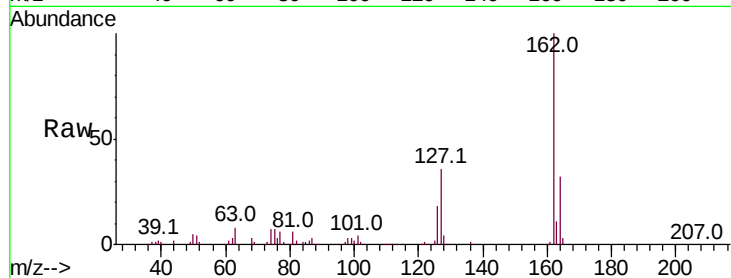




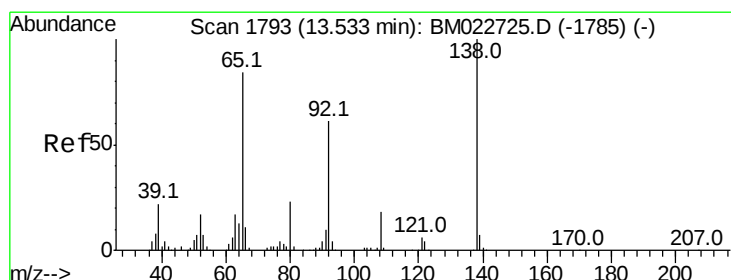
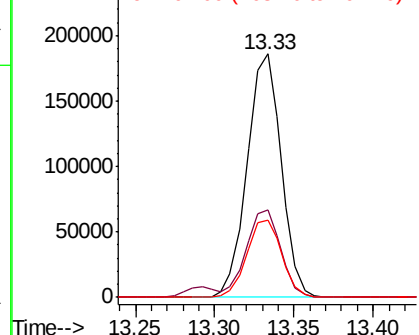
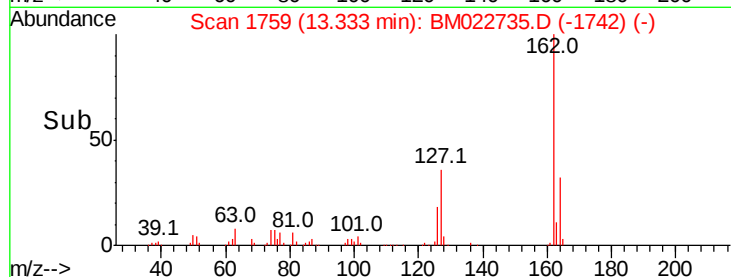
#47
 2-Chloronaphthalene
 Concen: 9.558 ng
 RT: 13.33 min Scan# 1759
 Delta R.T. -0.00 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
162	100		
127	35.7	29.0	43.6
164	31.9	26.0	39.0

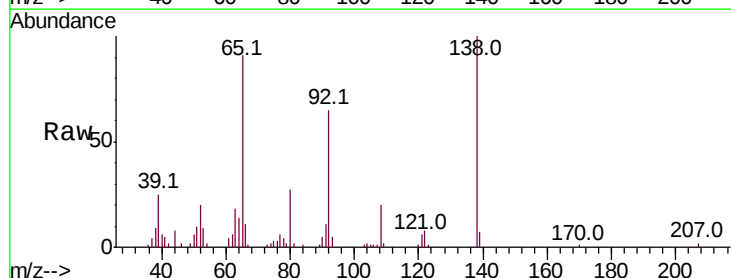


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

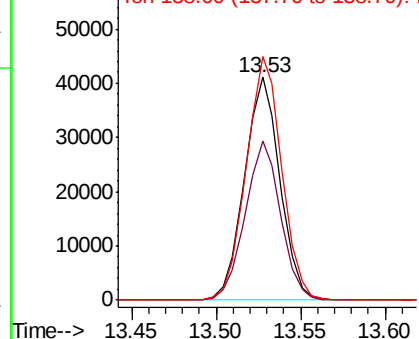
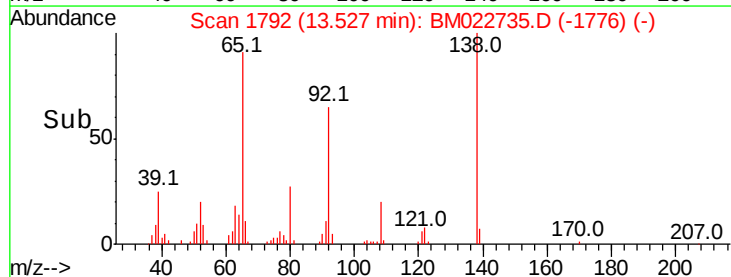


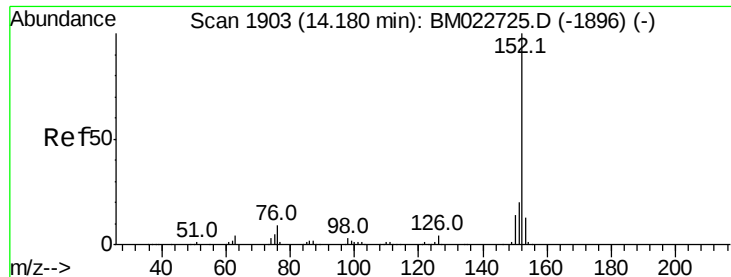
#48
 2-Nitroaniline
 Concen: 7.943 ng
 RT: 13.53 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Lower	Upper
65	100		
92	71.5	58.6	87.8
138	109.3	95.4	143.0



Abundance Ion 65.00 (64.70 to 65.70): BM0
 Ion 92.00 (91.70 to 92.70): BM0
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 9.590 ng

RT: 14.18 min Scan# 1903

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

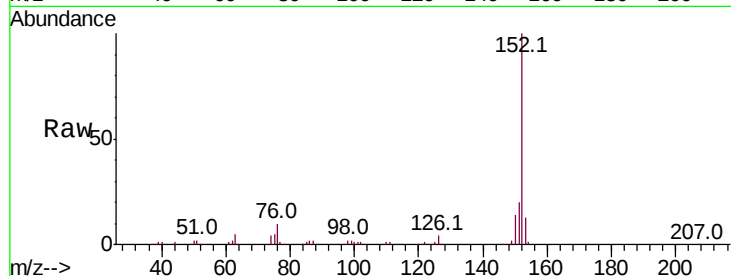
Tot Ion:152 Resp: 411708

Ion Ratio Lower Upper

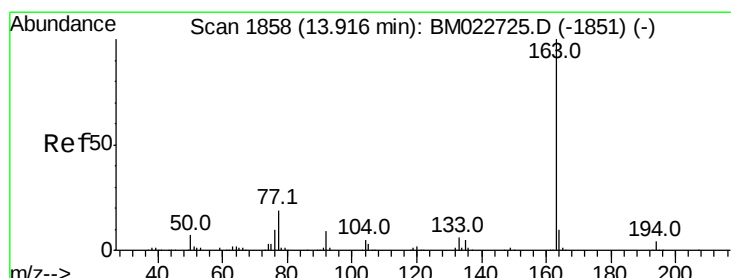
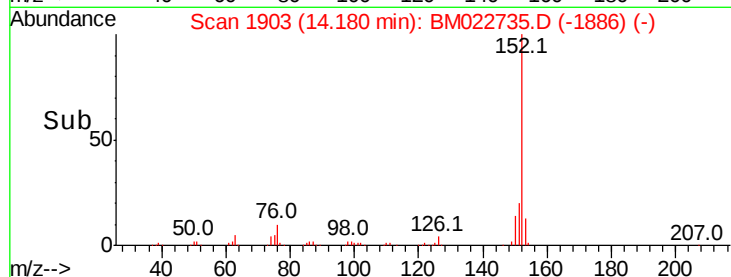
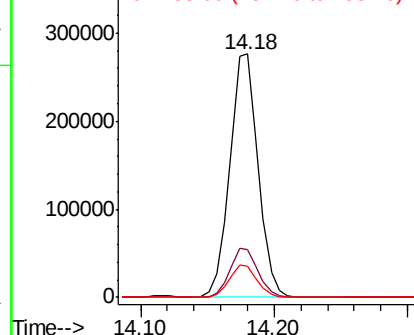
152 100

151 19.8 15.9 23.9

153 13.0 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: 9.227 ng

RT: 13.91 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

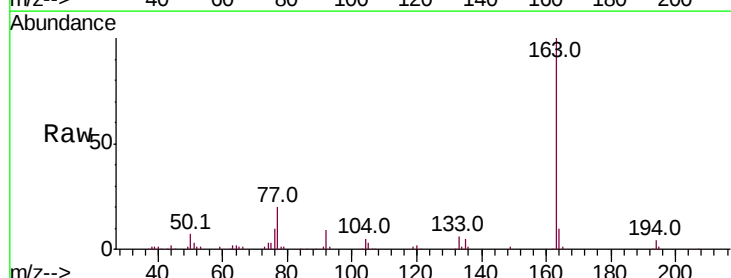
Tgt Ion:163 Resp: 313378

Ion Ratio Lower Upper

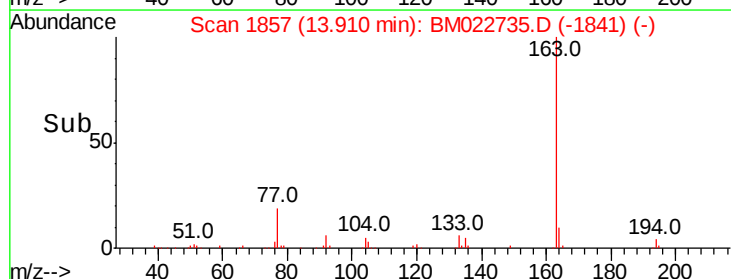
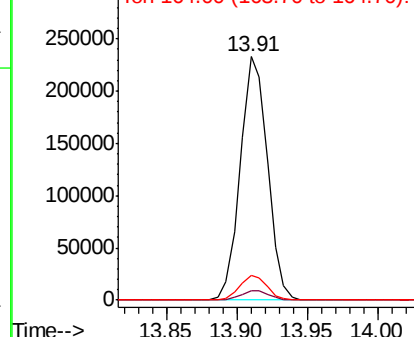
163 100

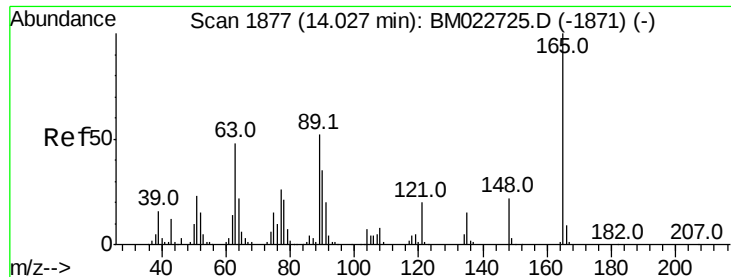
194 3.8 3.3 4.9

164 10.1 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: 8.873 ng

RT: 14.02 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

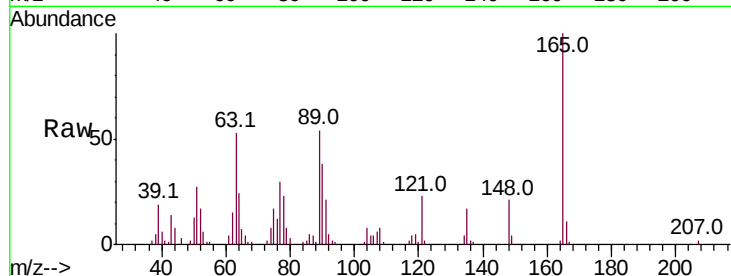
Tot Ion:165 Resp: 63037

Ion Ratio Lower Upper

165 100

63 53.0 38.6 58.0

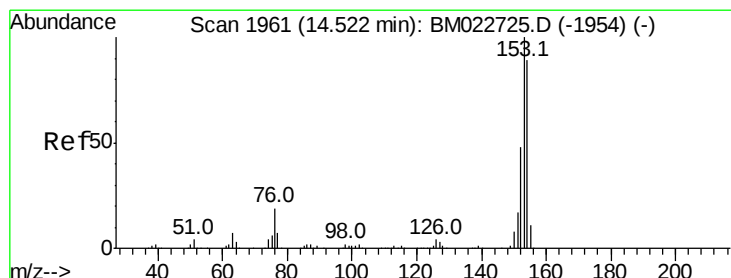
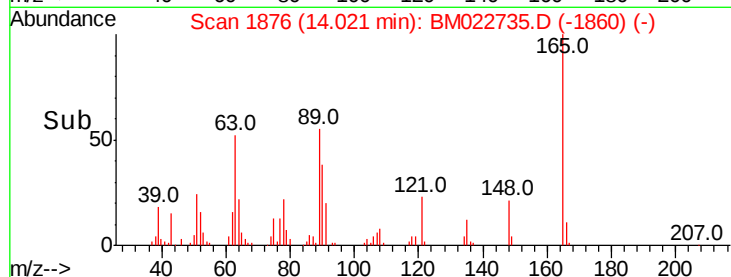
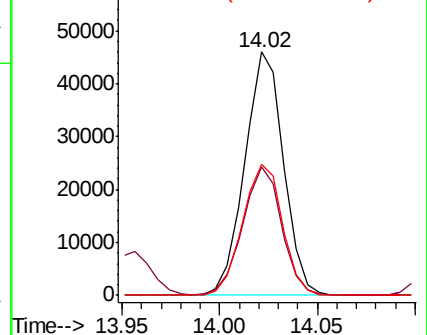
89 54.0 41.6 62.4



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 89.00 (88.70 to 89.70): BM



#52

Acenaphthene

Concen: 9.481 ng

RT: 14.52 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

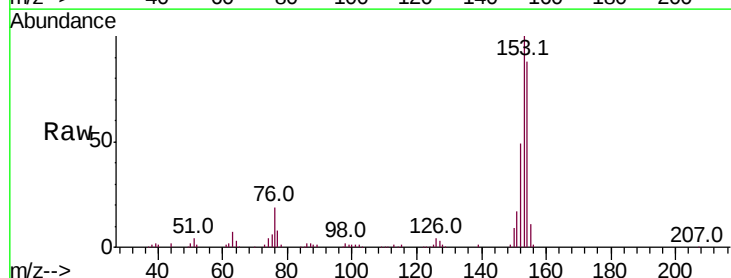
Tgt Ion:154 Resp: 266309

Ion Ratio Lower Upper

154 100

153 113.6 90.0 135.0

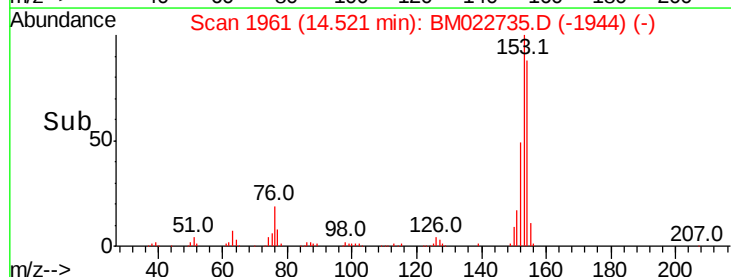
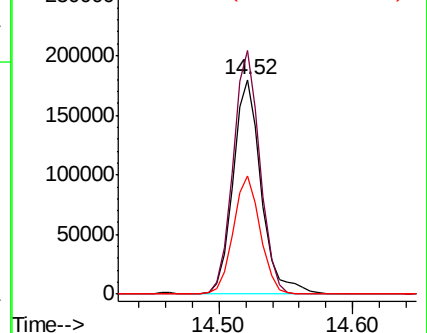
152 55.1 42.9 64.3

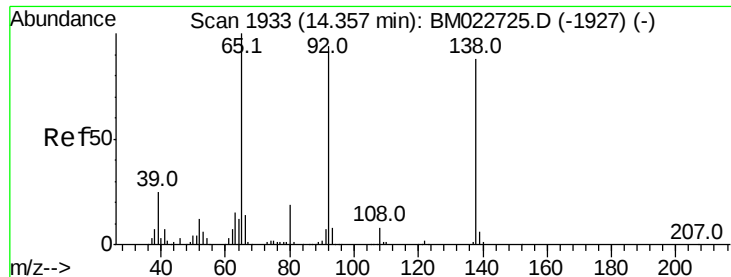


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

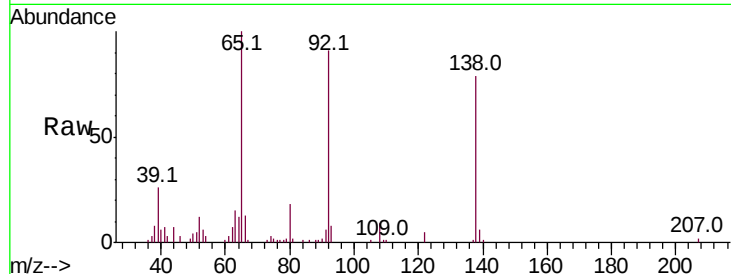




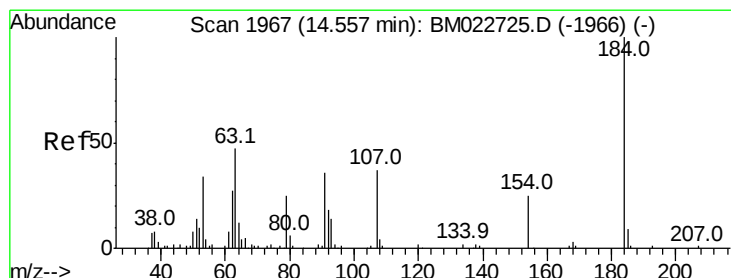
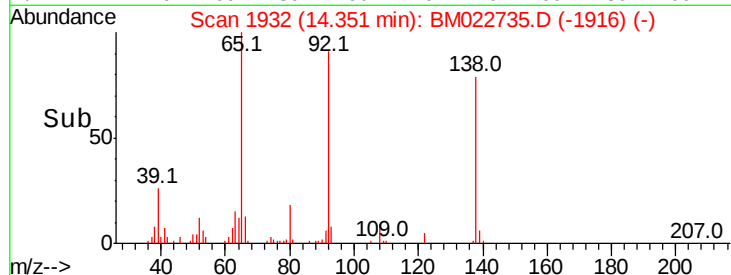
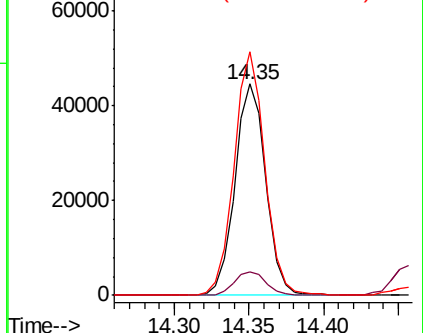
#53
3-Nitroaniline
Concen: 7.859 ng
RT: 14.35 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion:138 Resp: 64276
Ion Ratio Lower Upper
138 100
108 11.1 7.3 10.9#
92 115.1 86.3 129.5

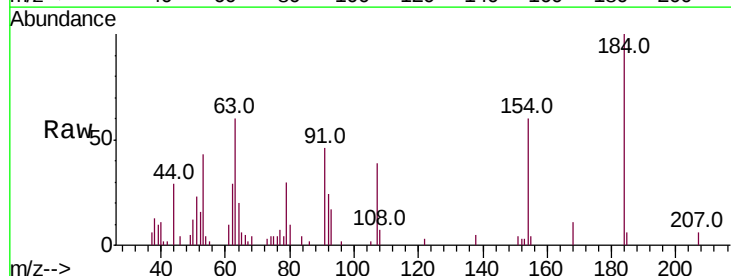


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BM

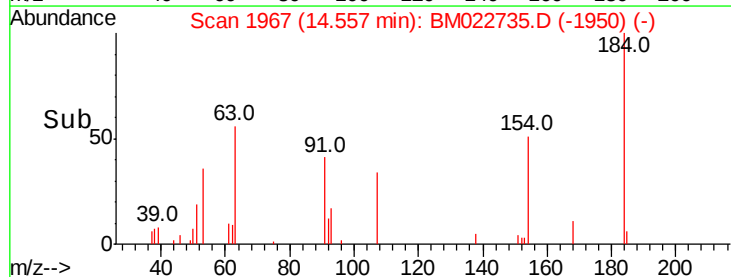
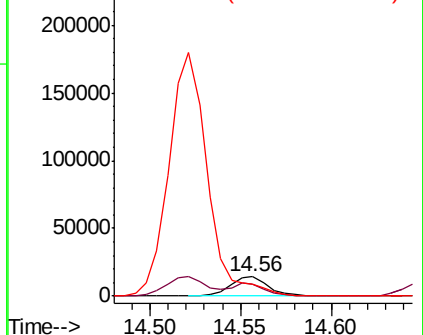


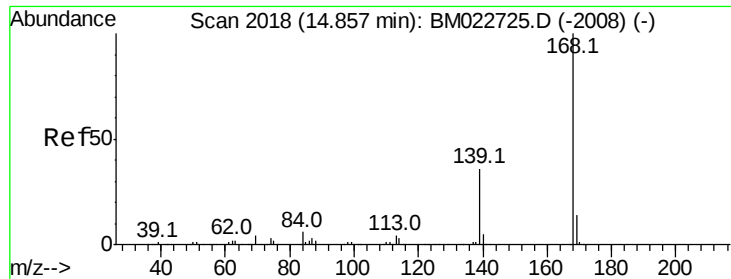
#54
2,4-Dinitrophenol
Concen: 11.925 ng
RT: 14.56 min Scan# 1967
Delta R.T. 0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion:184 Resp: 20986
Ion Ratio Lower Upper
184 100
63 60.4 48.5 72.7
154 59.7 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: 9.958 ng

RT: 14.86 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

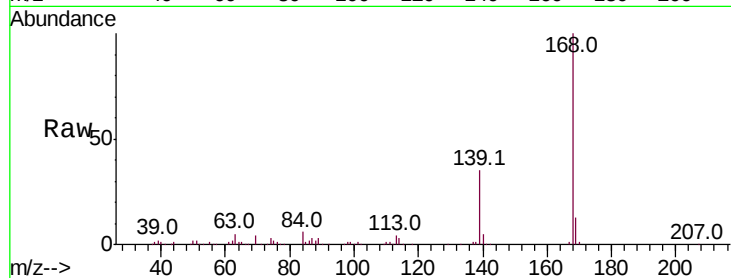
Tot Ion:168 Resp: 408318

Ion Ratio Lower Upper

168 100

139 34.7 28.8 43.2

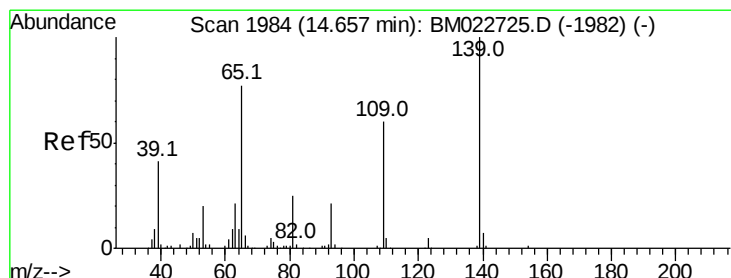
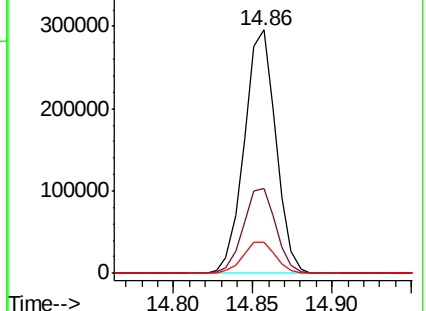
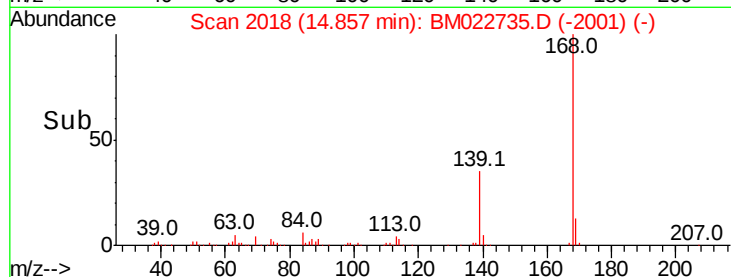
169 13.0 10.9 16.3



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: 8.185 ng

RT: 14.65 min Scan# 1983

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

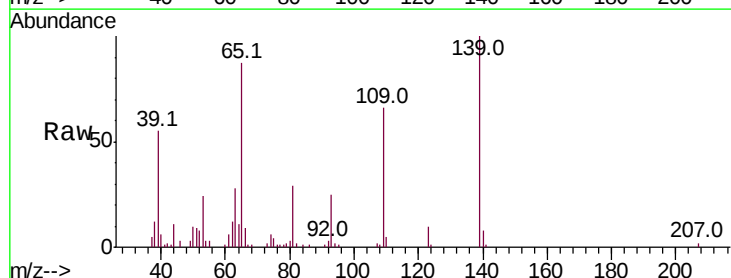
Tgt Ion:139 Resp: 51453

Ion Ratio Lower Upper

139 100

109 65.6 44.8 84.8

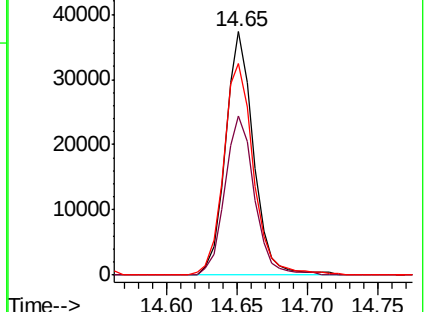
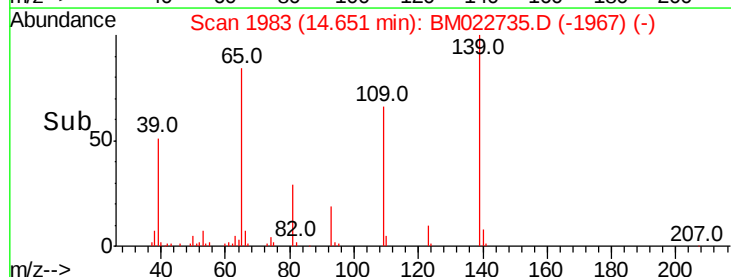
65 86.9 66.6 106.6

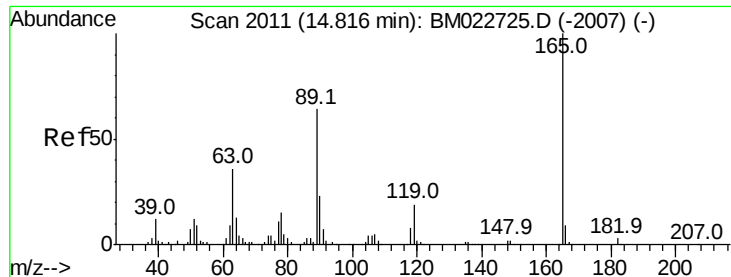


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E

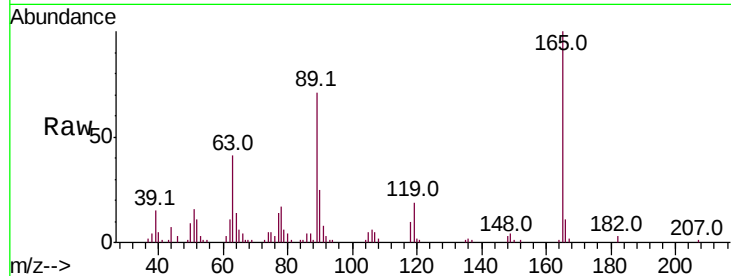




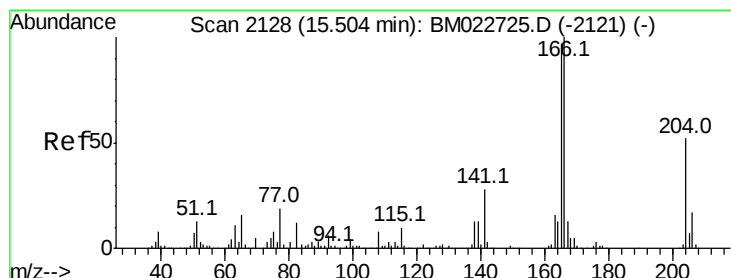
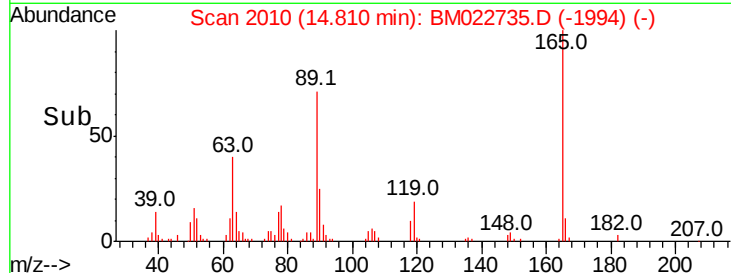
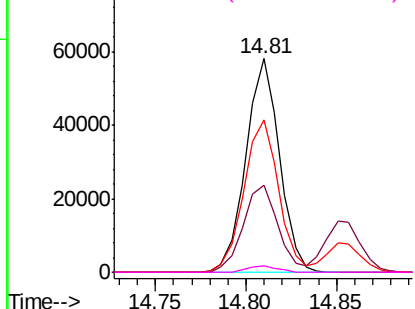
#57
 2,4-Dinitrotoluene
 Concen: 8.041 ng
 RT: 14.81 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Tot Ion:165 Resp: 74838
 Ion Ratio Lower Upper
 165 100
 63 40.8 30.1 45.1
 89 71.3 52.5 78.7
 182 2.9 2.2 3.4

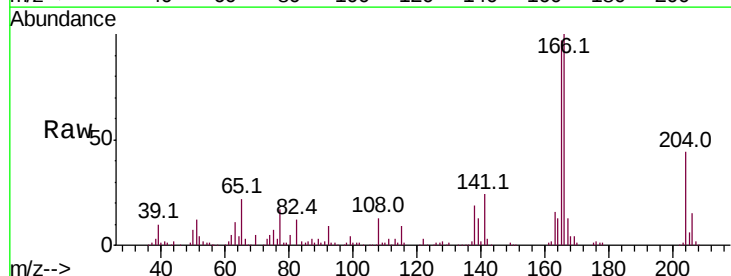


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BM
 Ion 89.00 (88.70 to 89.70): BM
 Ion 182.00 (181.70 to 182.70): E

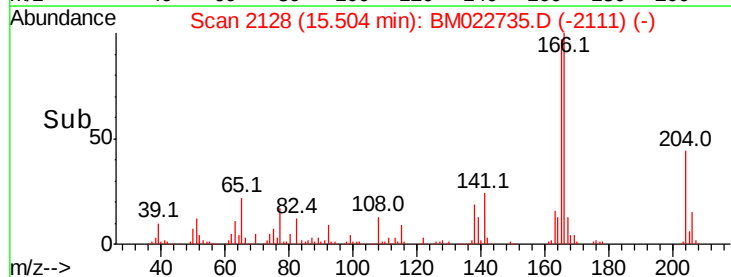
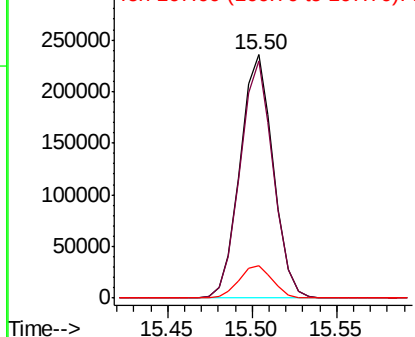


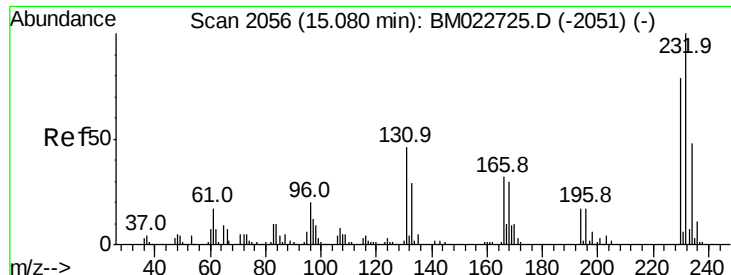
#58
 Fluorene
 Concen: 9.659 ng
 RT: 15.50 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Tgt Ion:166 Resp: 321866
 Ion Ratio Lower Upper
 166 100
 165 97.2 77.6 116.4
 167 13.4 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

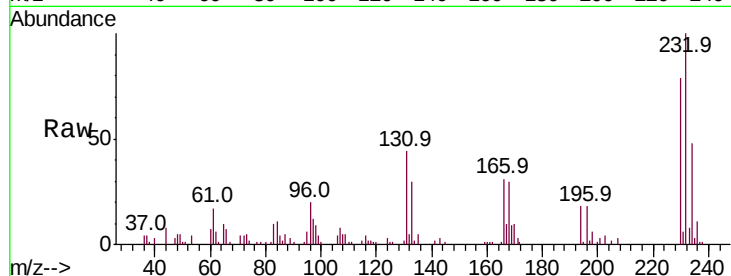




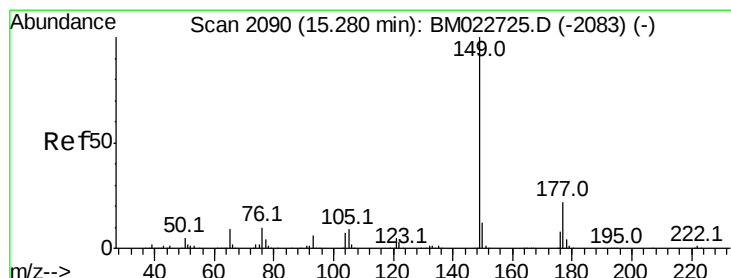
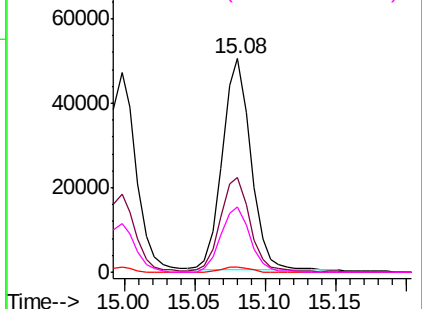
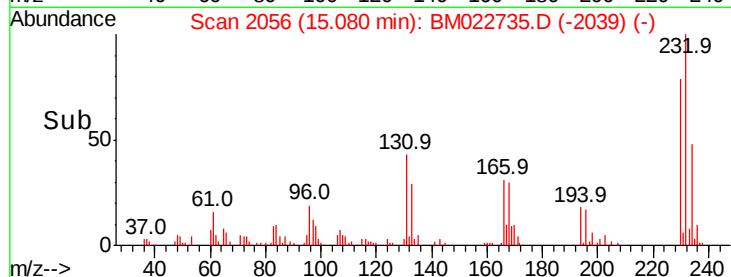
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 8.440 ng
 RT: 15.08 min Scan# 2056
 Delta R.T. -0.00 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Tot Ion:	232	Resp:	70500
Ion	Ratio	Lower	Upper
232	100		
131	47.2	36.3	54.5
130	2.2	1.8	2.8
166	31.9	25.0	37.4

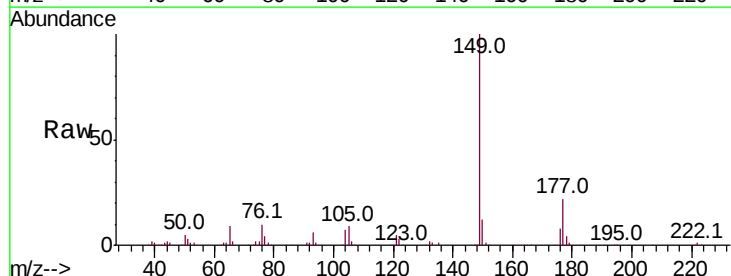


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

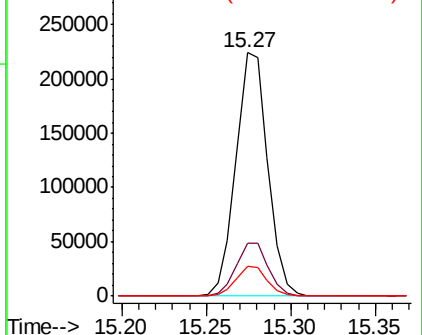
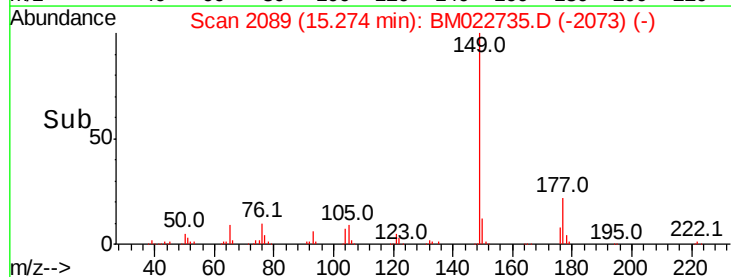


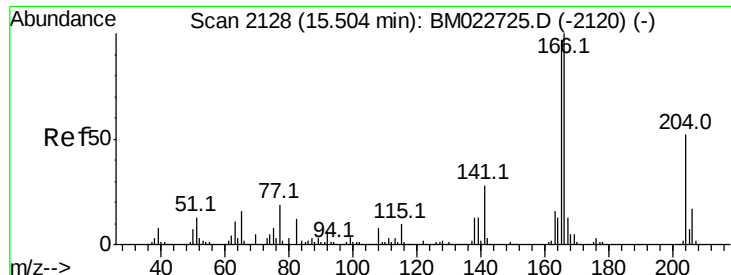
#60
 Diethylphthalate
 Concen: 8.921 ng
 RT: 15.27 min Scan# 2089
 Delta R.T. -0.01 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Tgt Ion:	149	Resp:	294630
Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.6	26.4
150	12.1	9.9	14.9



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

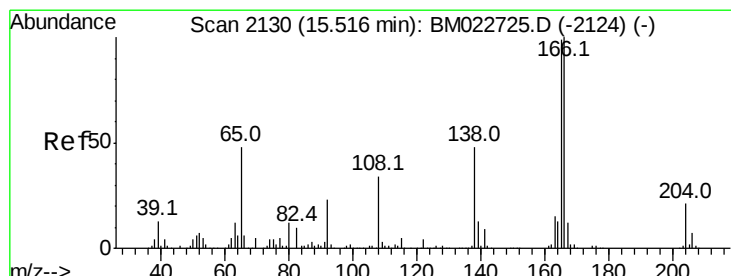
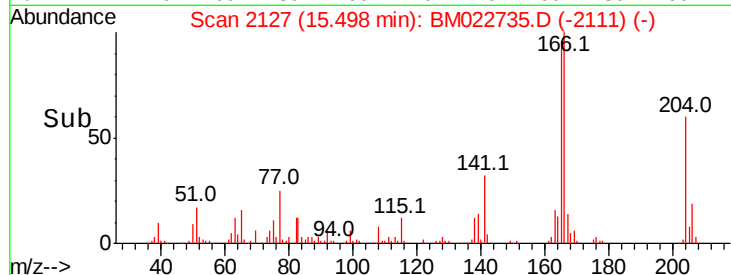
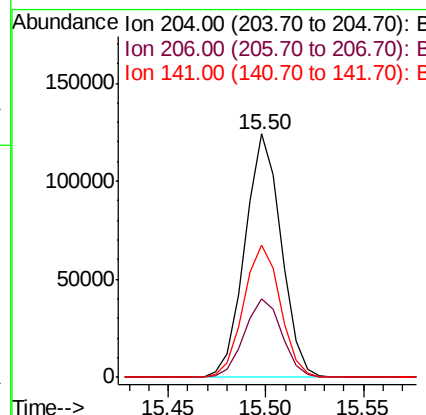
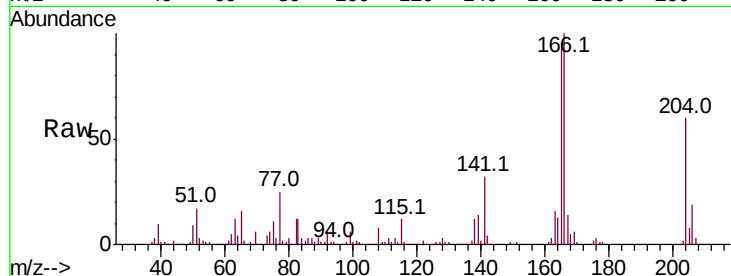




#61
 4-Chlorophenyl-phenylether
 Concen: 9.338 ng
 RT: 15.50 min Scan# 2127
 Delta R.T. -0.01 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

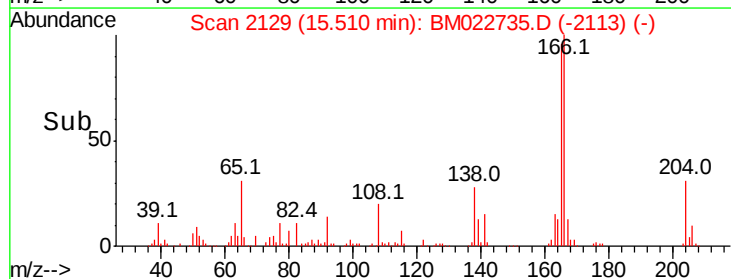
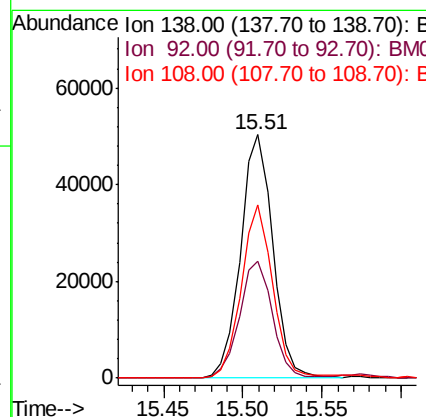
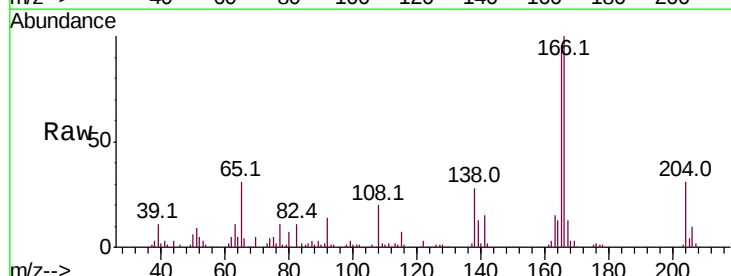
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

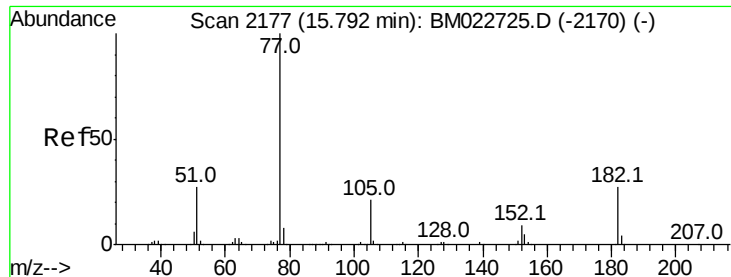
Tot Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.2	39.4
141	54.2	42.6	64.0



#62
 4-Nitroaniline
 Concen: 8.273 ng
 RT: 15.51 min Scan# 2129
 Delta R.T. -0.01 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.9	28.7	68.7
108	71.4	50.3	90.3





#63

Azobenzene

Concen: 9.427 ng

RT: 15.79 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tot Ion: 77 Resp: 281155

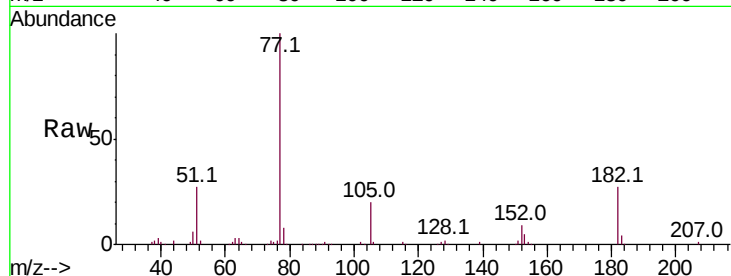
Ion Ratio Lower Upper

77 100

182 26.8 7.0 47.0

105 20.2 0.9 40.9

51 26.8 6.6 46.6

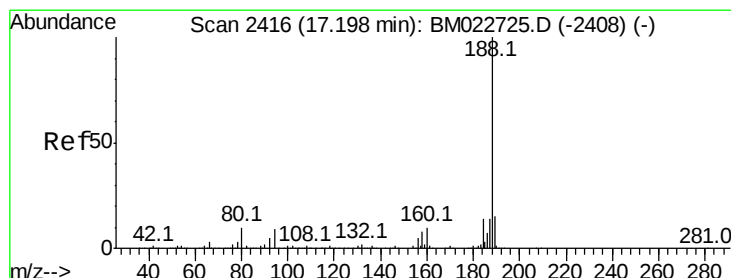
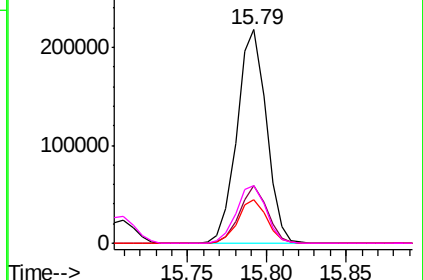
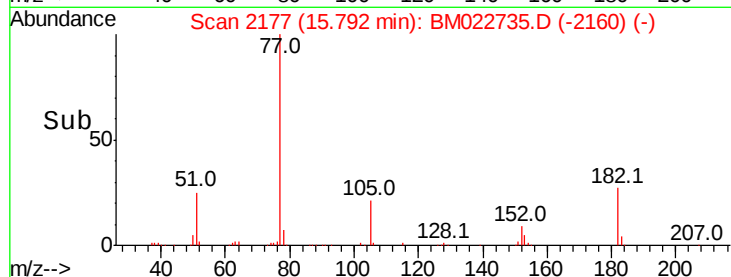


Abundance Ion 77.00 (76.70 to 77.70): BM0

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: BM022735.D

Acq: 20 Sep 2019 20:55

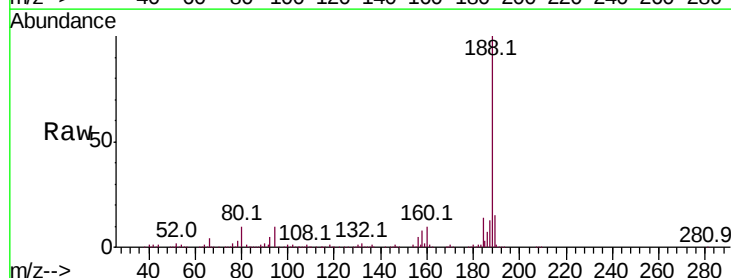
Tgt Ion: 188 Resp: 933885

Ion Ratio Lower Upper

188 100

94 9.8 7.3 10.9

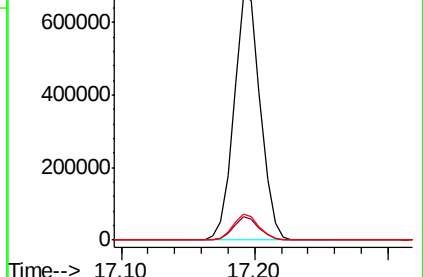
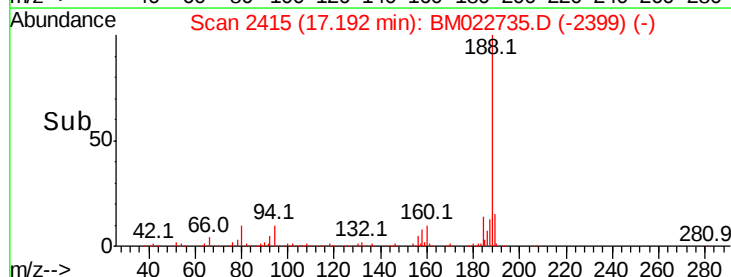
80 10.5 7.8 11.8

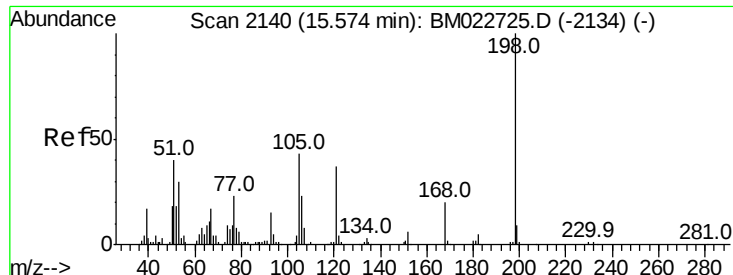


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

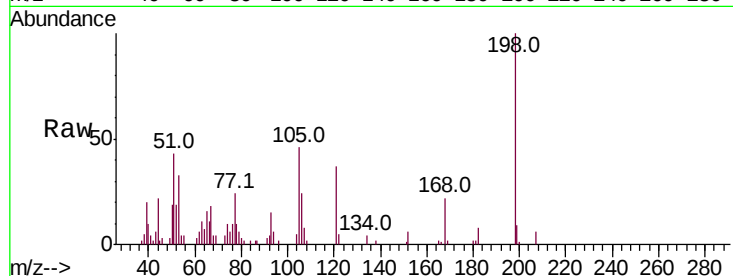




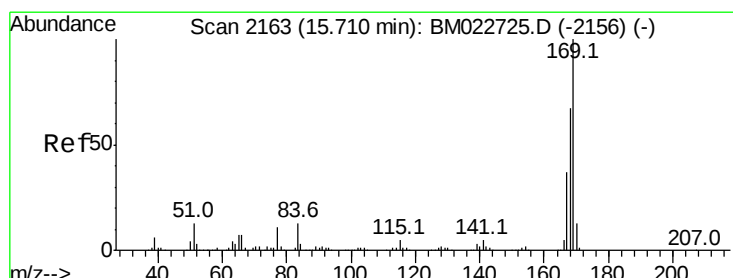
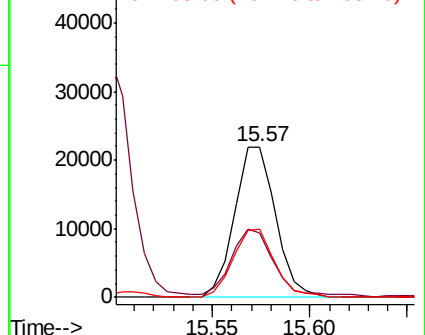
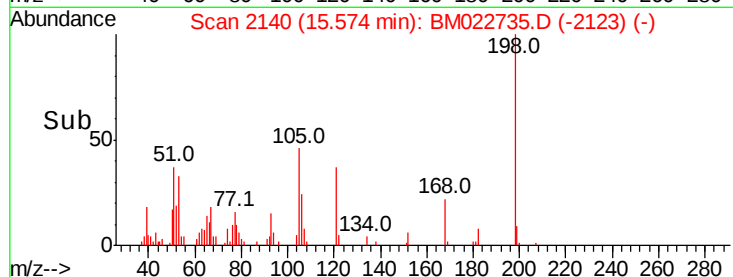
#65
 4,6-Dinitro-2-methylphenol
 Concen: 12.511 ng
 RT: 15.57 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Tot Ion:198 Resp: 31878
 Ion Ratio Lower Upper
 198 100
 51 42.9 21.0 61.0
 105 45.7 22.5 62.5

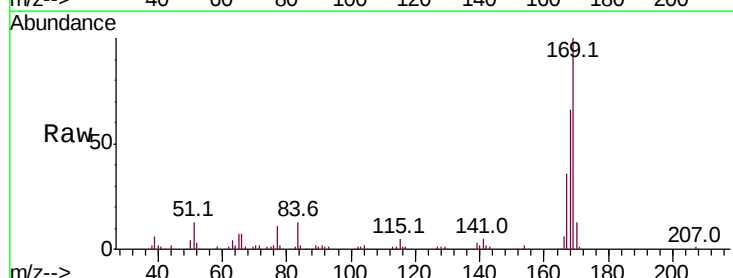


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BM
 Ion 105.00 (104.70 to 105.70): E

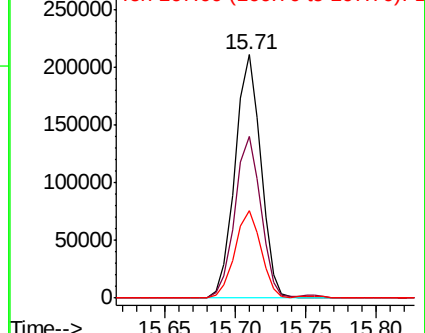
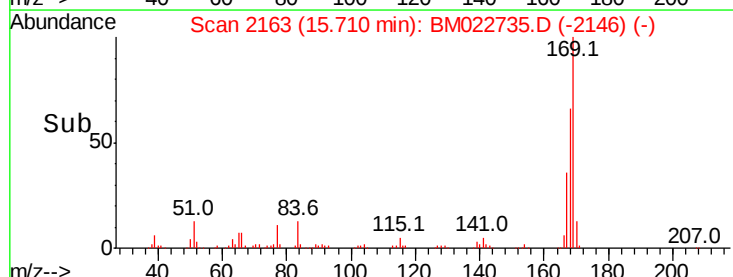


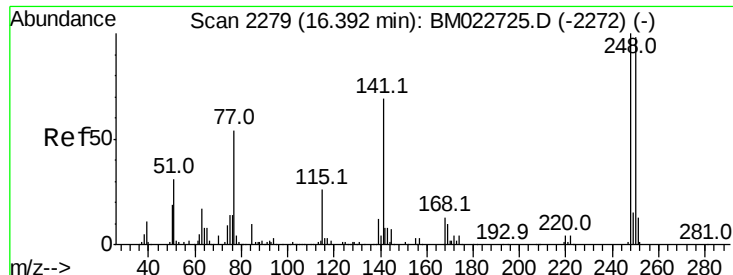
#66
 n-Nitrosodiphenylamine
 Concen: 9.458 ng
 RT: 15.71 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Tgt Ion:169 Resp: 269846
 Ion Ratio Lower Upper
 169 100
 168 66.3 53.4 80.2
 167 35.9 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

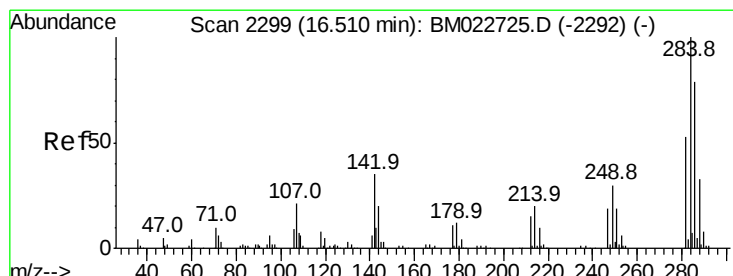
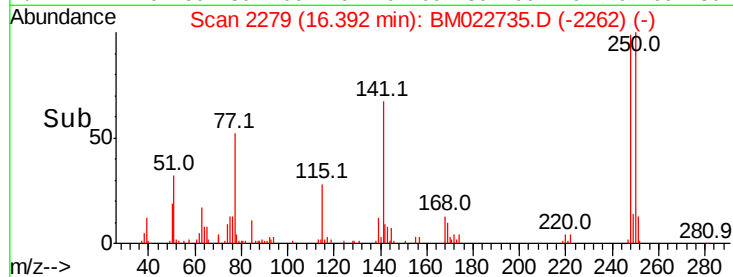
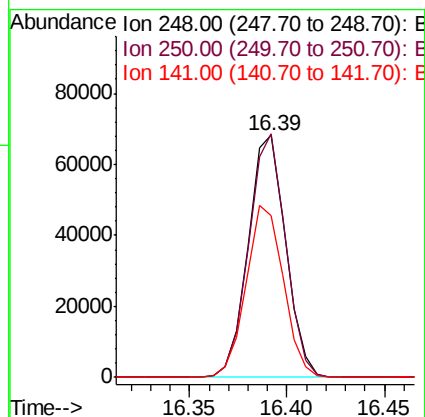
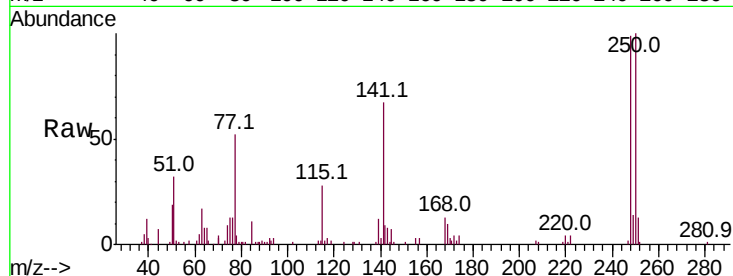




#67
 4-Bromophenyl-phenylether
 Concen: 8.756 ng
 RT: 16.39 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

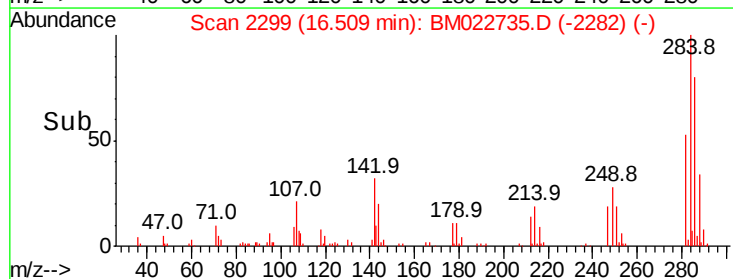
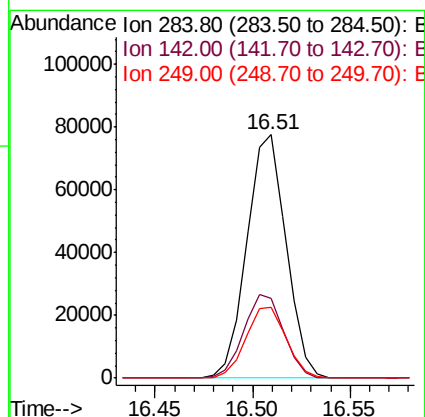
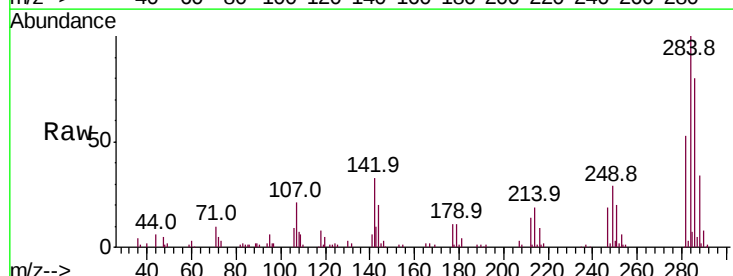
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

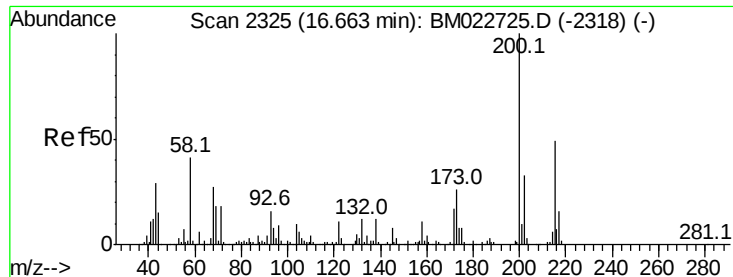
Tot Ion	Ratio	Lower	Upper
248	100		
250	100.6	78.4	117.6
141	67.0	55.1	82.7



#68
 Hexachlorobenzene
 Concen: 8.918 ng
 RT: 16.51 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.8	27.8	41.8
249	29.3	24.4	36.6





#69

Atrazine

Concen: 8.262 ng

RT: 16.66 min Scan# 2324

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

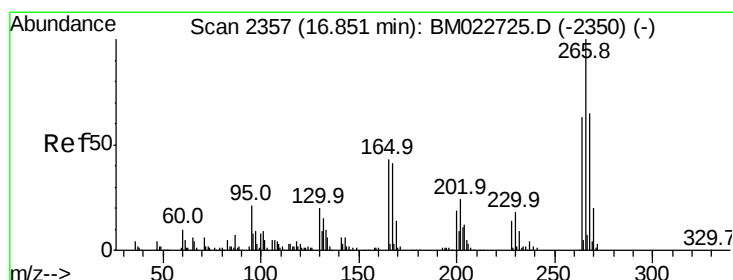
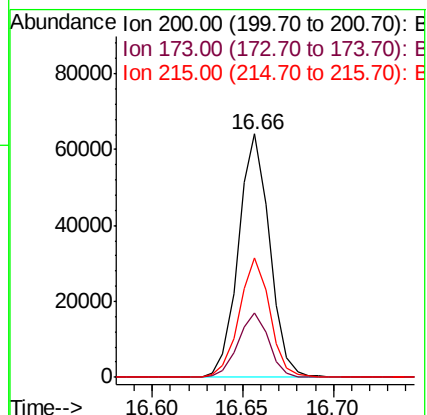
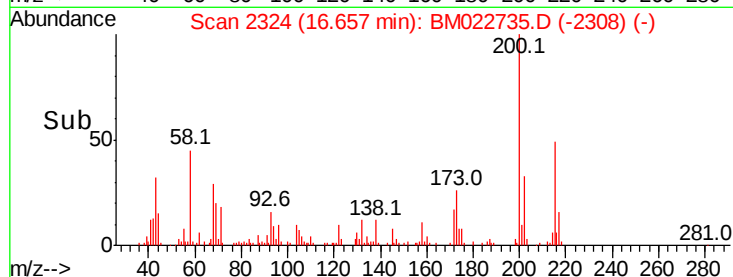
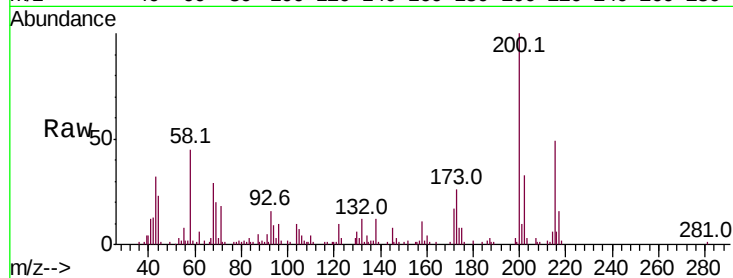
Tot Ion:200 Resp: 76631

Ion Ratio Lower Upper

200 100

173 26.2 5.8 45.8

215 49.2 29.2 69.2



#70

Pentachlorophenol

Concen: 7.591 ng

RT: 16.84 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

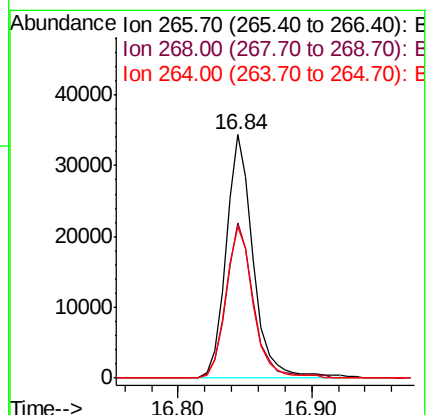
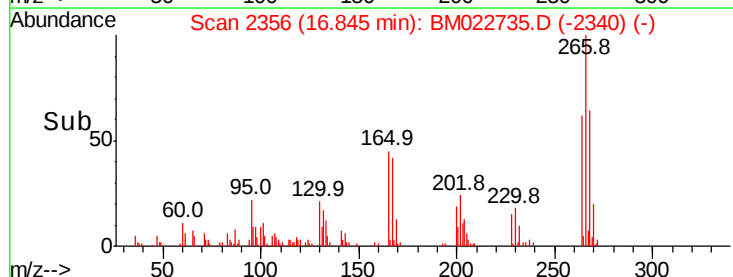
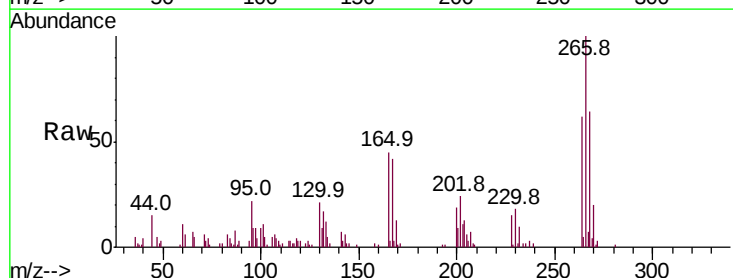
Tgt Ion:266 Resp: 49039

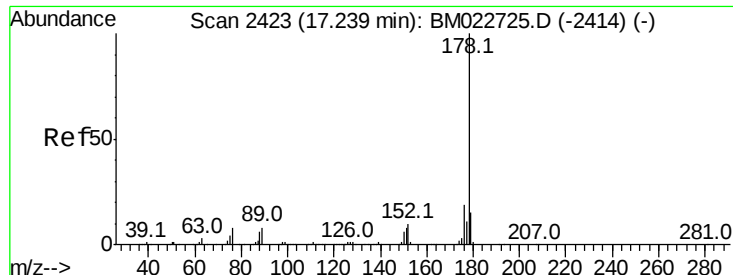
Ion Ratio Lower Upper

266 100

268 63.7 51.8 77.6

264 62.4 50.2 75.4

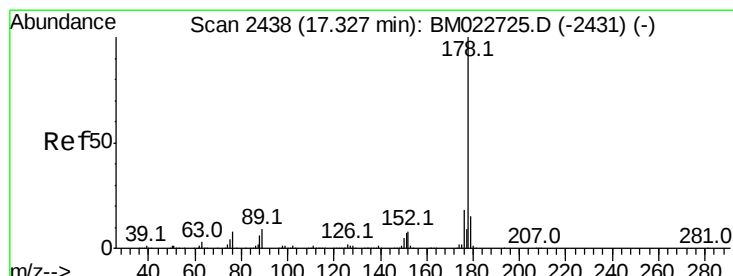
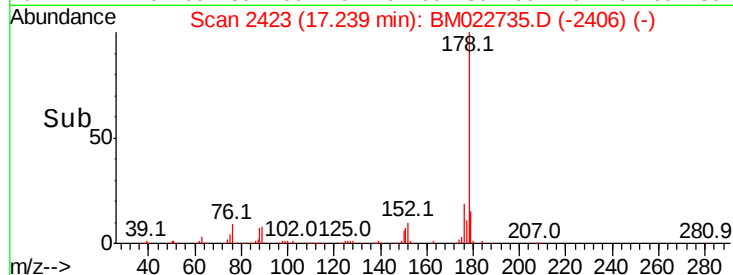
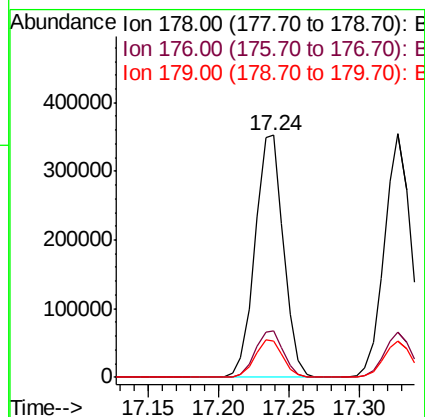
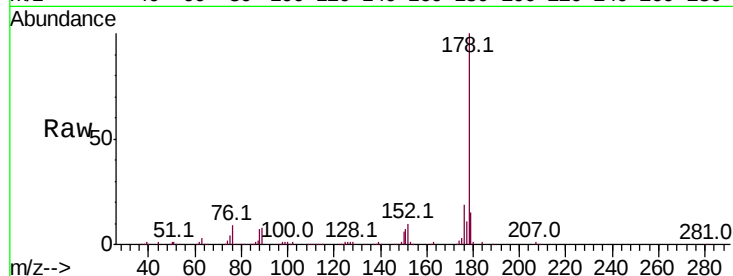




#71
Phenanthrene
Concen: 9.488 ng
RT: 17.24 min Scan# 2423
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

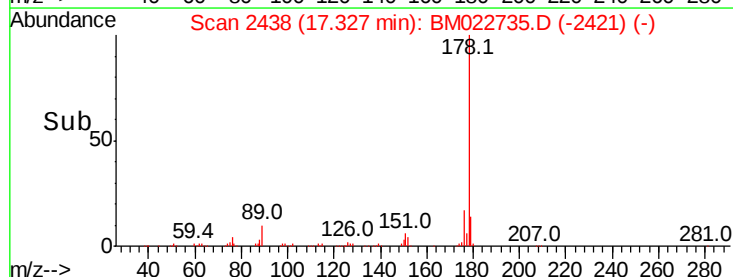
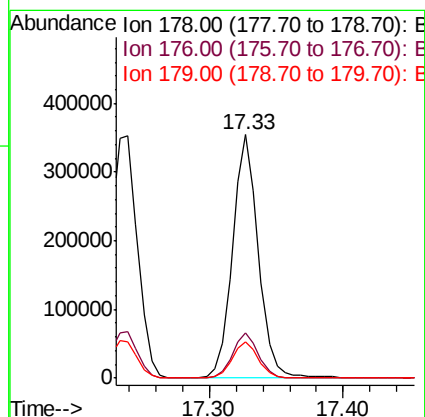
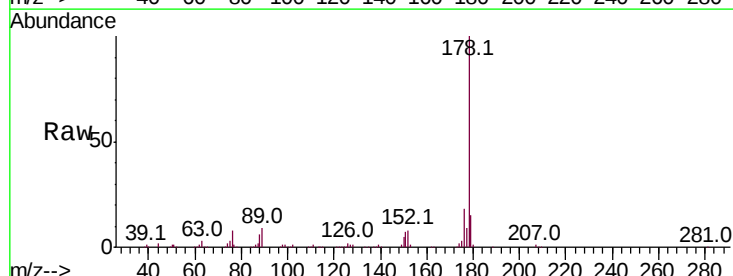
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

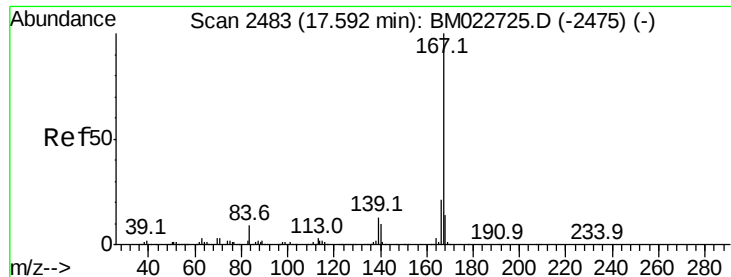
Tot Ion:178 Resp: 499982
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.1 12.3 18.5



#72
Anthracene
Concen: 9.367 ng
RT: 17.33 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion:178 Resp: 478373
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 15.1 12.2 18.4





#73

Carbazole

Concen: 9.328 ng

RT: 17.59 min Scan# 2483

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

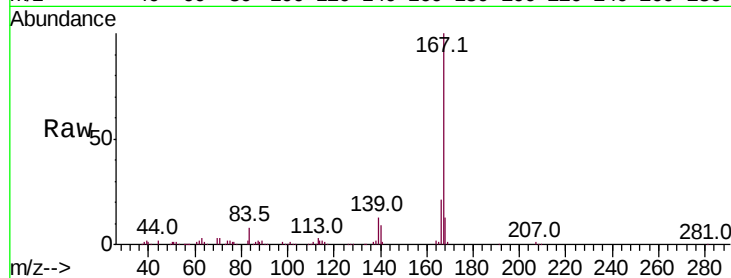
Tot Ion:167 Resp: 443303

Ion Ratio Lower Upper

167 100

166 20.8 17.0 25.4

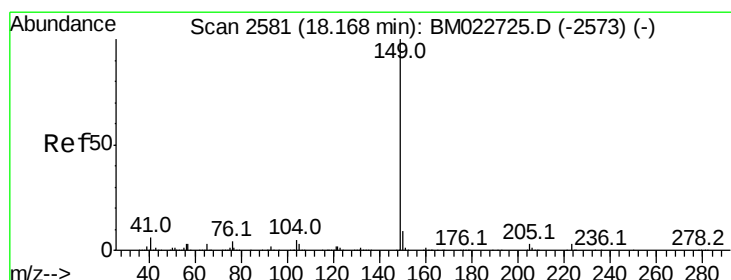
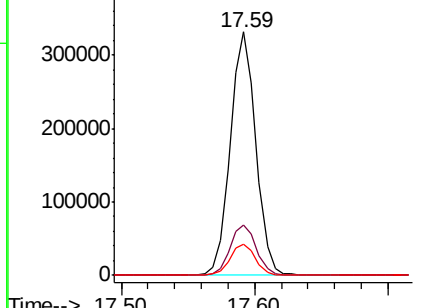
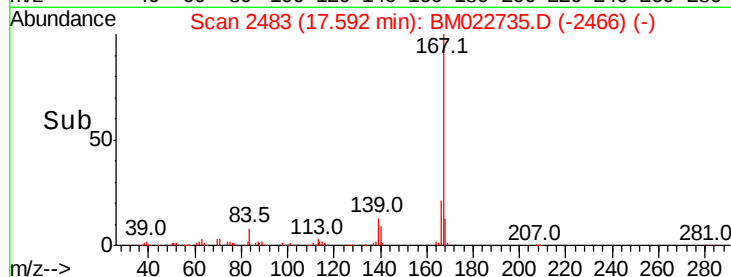
139 12.9 10.1 15.1



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 7.707 ng

RT: 18.16 min Scan# 2580

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

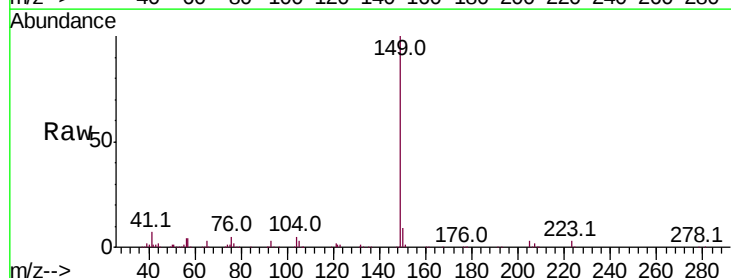
Tgt Ion:149 Resp: 415314

Ion Ratio Lower Upper

149 100

150 9.1 7.3 10.9

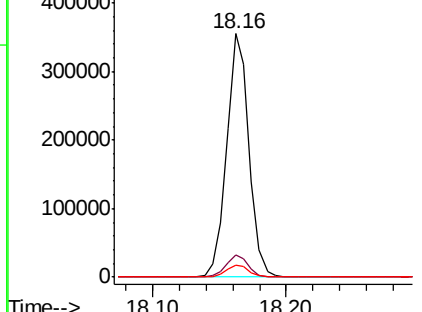
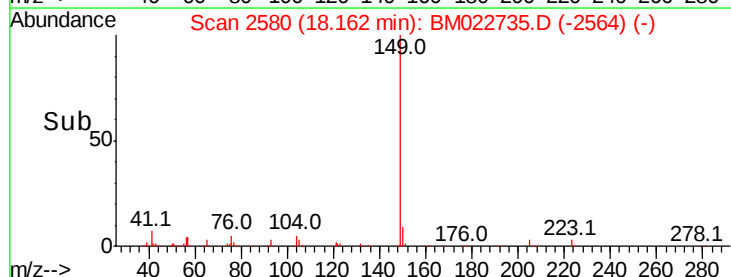
104 5.1 3.8 5.6

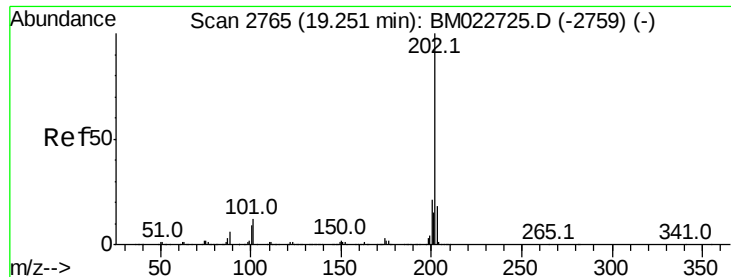


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 9.115 ng

RT: 19.25 min Scan# 2765

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

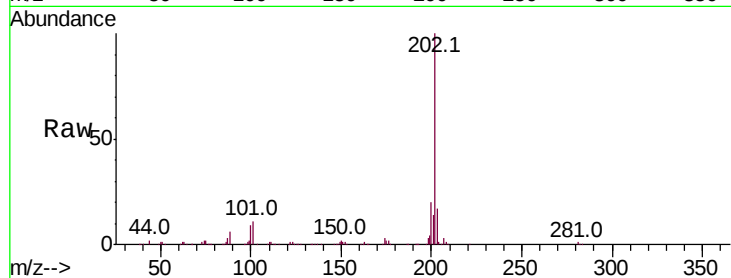
Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tot Ion:	202	Resp:	541974
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.1
203	17.5	0.0	37.7

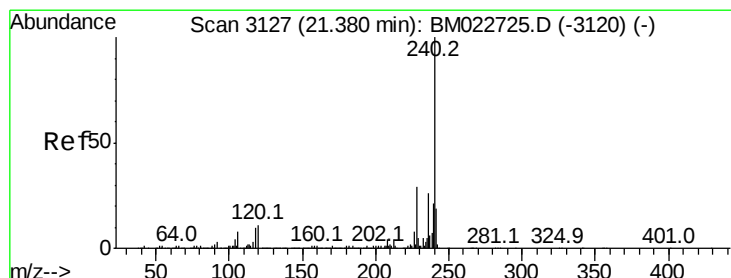
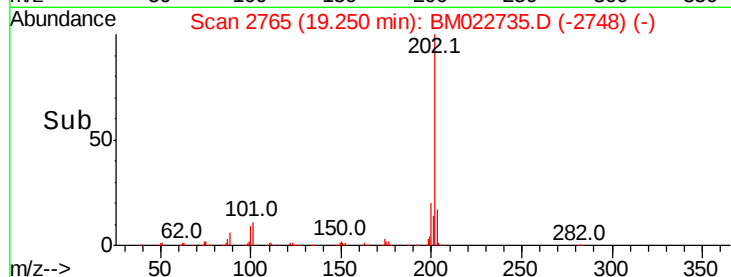
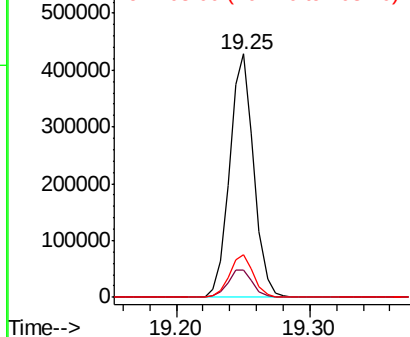


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

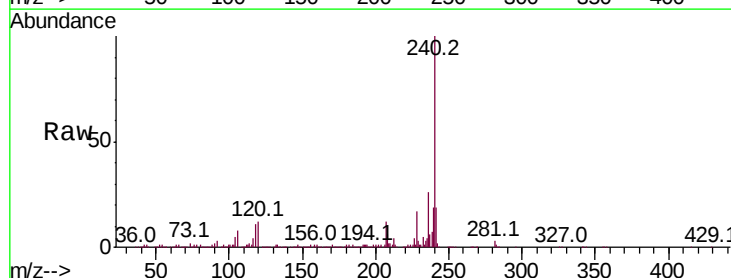
RT: 21.37 min Scan# 3125

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Tgt Ion:	240	Resp:	929239
Ion	Ratio	Lower	Upper
240	100		
120	12.1	8.8	13.2
236	26.2	20.8	31.2

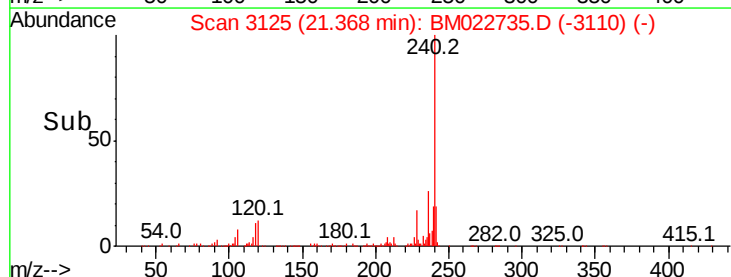
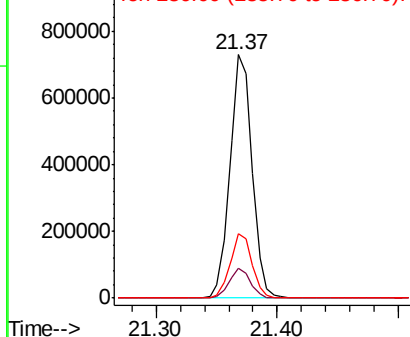


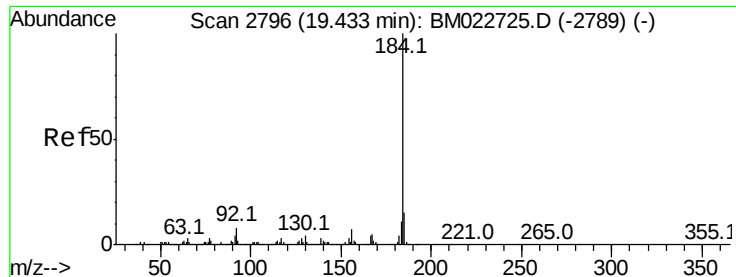
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 8.895 ng

RT: 19.43 min Scan# 2795

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

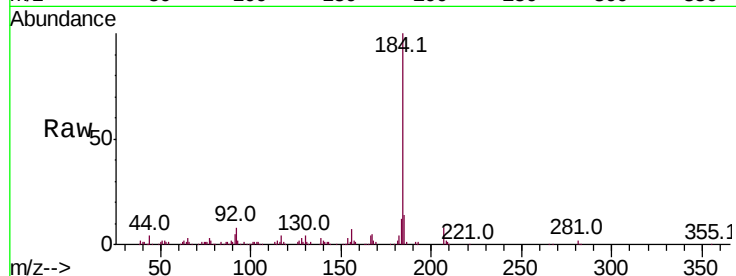
Tot Ion:184 Resp: 226764

Ion Ratio Lower Upper

184 100

185 14.4 11.6 17.4

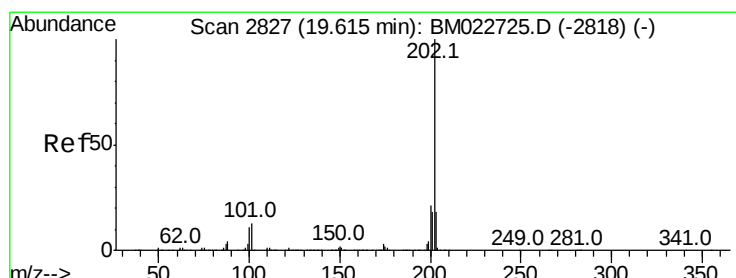
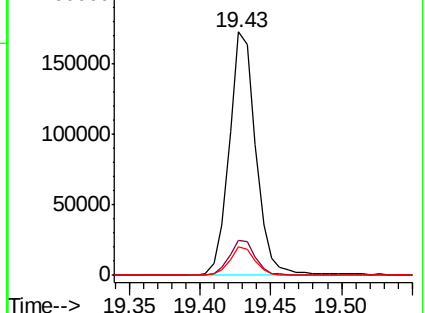
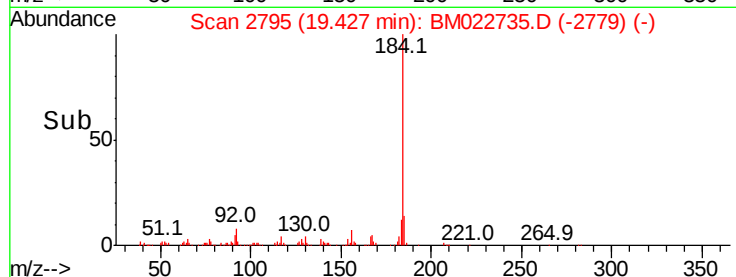
183 11.6 9.1 13.7



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: 9.454 ng

RT: 19.61 min Scan# 2826

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

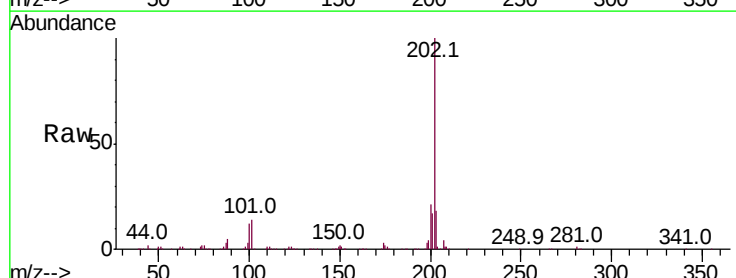
Tgt Ion:202 Resp: 575736

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

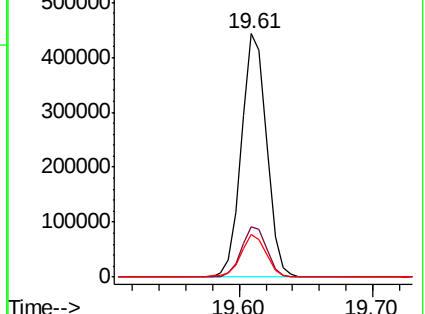
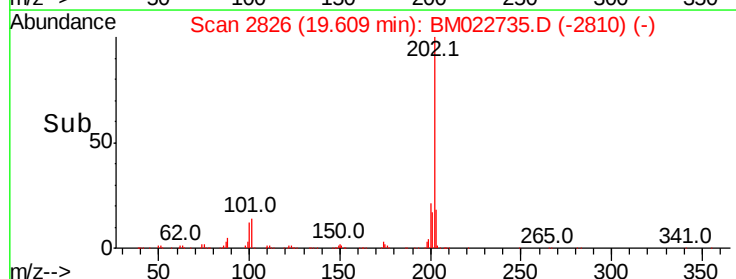
203 17.7 14.1 21.1

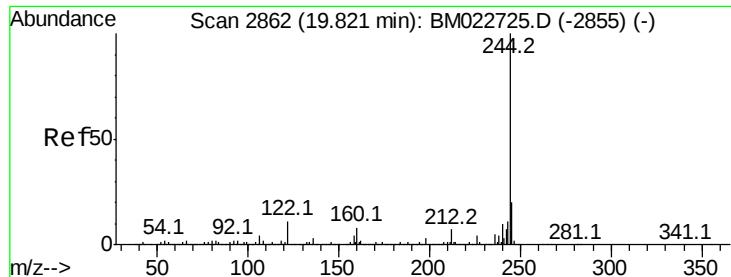


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



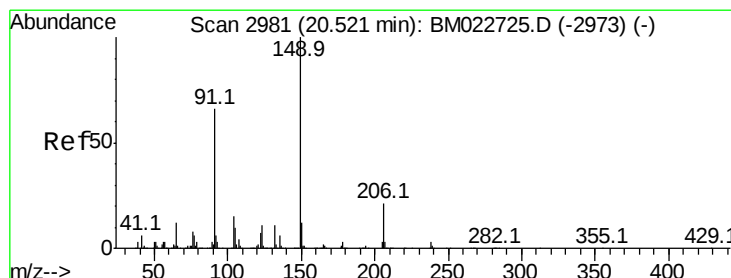
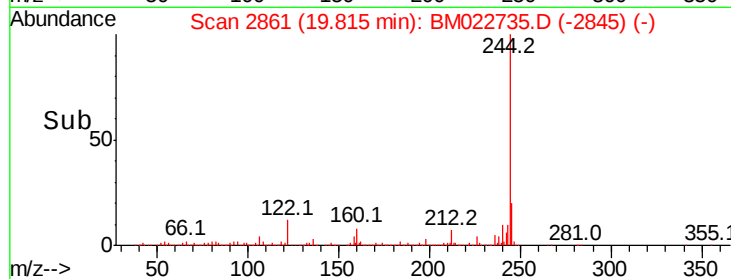
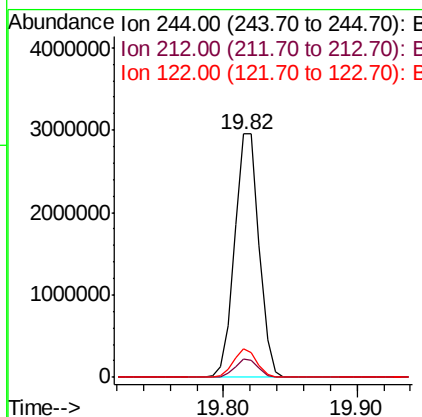
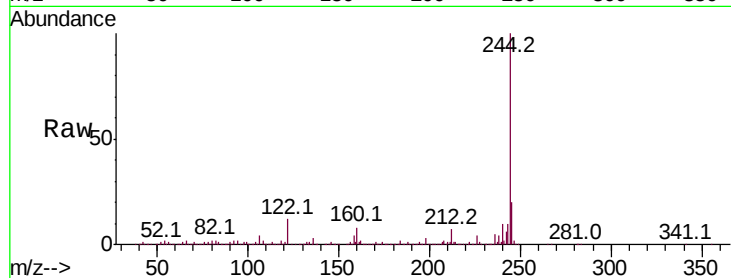


#79
 Terphenyl-d14
 Concen: 78.589 ng
 RT: 19.82 min Scan# 2861
 Delta R.T. -0.01 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Tot Ion:244 Resp: 3771366

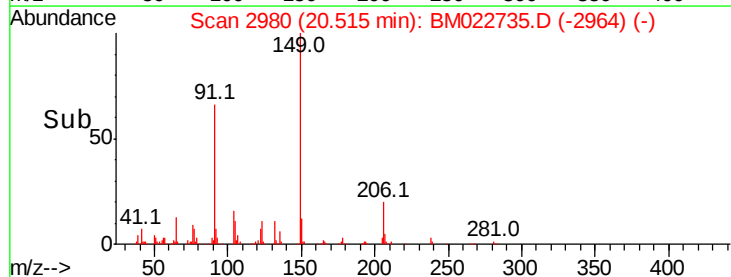
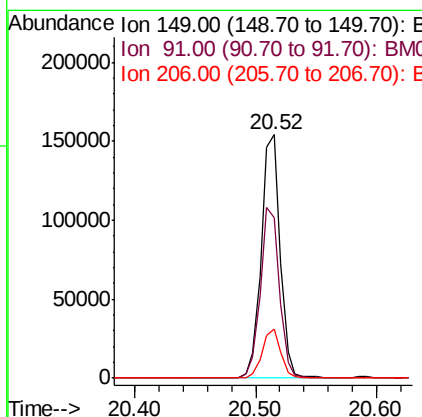
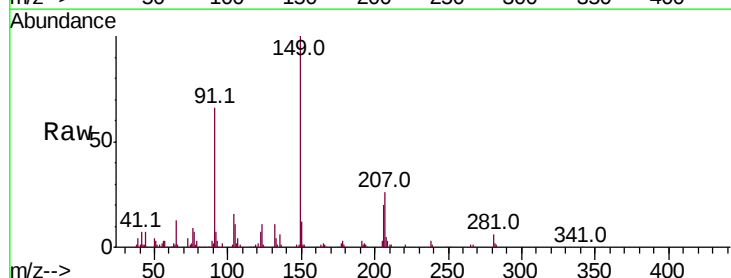
Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	11.7	9.0	13.4

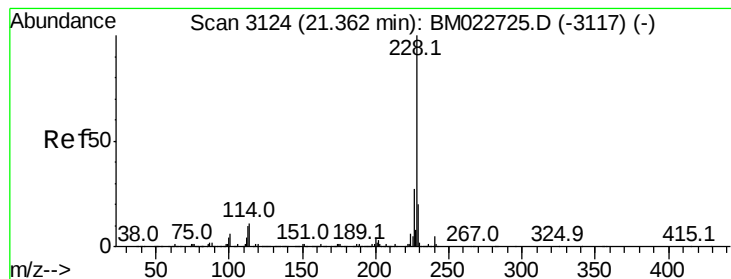


#80
 Butylbenzylphthalate
 Concen: 7.335 ng
 RT: 20.52 min Scan# 2980
 Delta R.T. -0.01 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Tgt Ion:149 Resp: 169768

Ion	Ratio	Lower	Upper
149	100		
91	65.9	53.0	79.4
206	20.1	16.9	25.3





#81

Benzo(a)anthracene

Concen: 9.300 ng

RT: 21.36 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

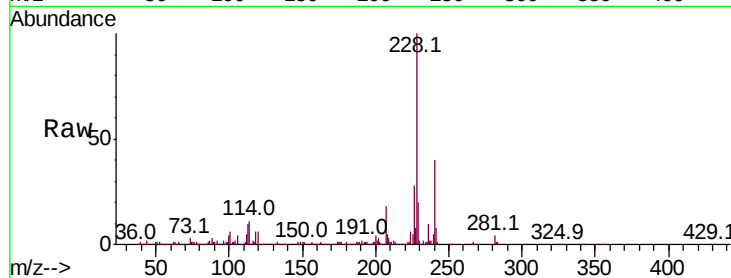
Tot Ion:228 Resp: 560107

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.0	33.0
229	19.7	15.9	23.9

228 100

226 27.8 22.0 33.0

229 19.7 15.9 23.9

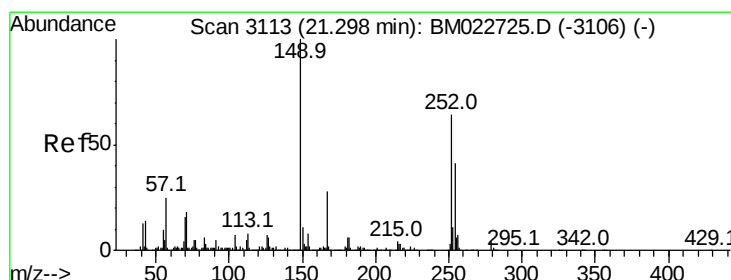
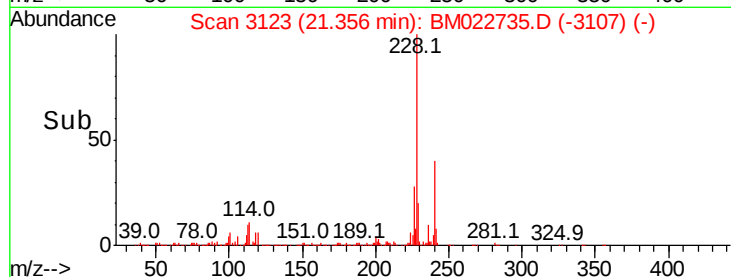
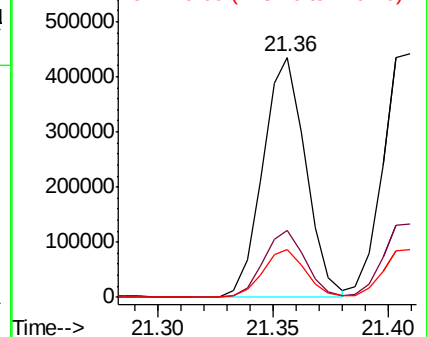


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 8.875 ng

RT: 21.29 min Scan# 3111

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

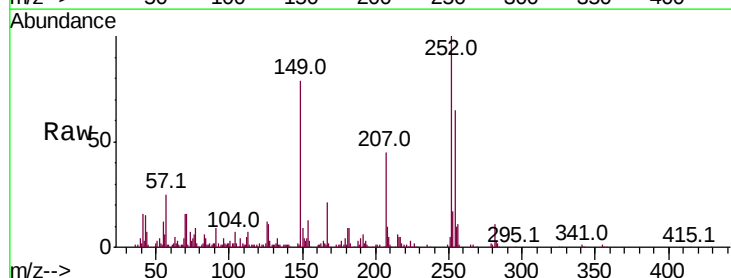
Tgt Ion:252 Resp: 189546

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.7	77.5
126	11.8	8.3	12.5

252 100

254 64.6 51.7 77.5

126 11.8 8.3 12.5

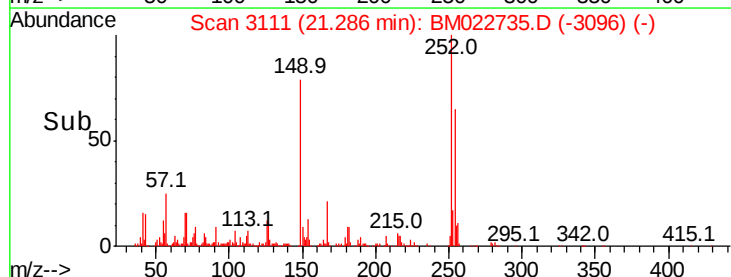
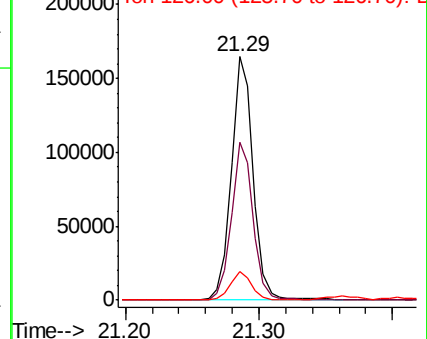


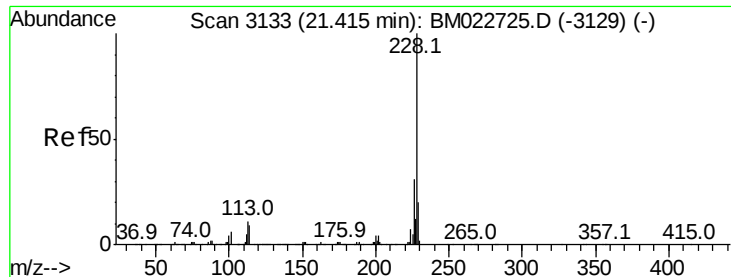
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 9.634 ng

RT: 21.41 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

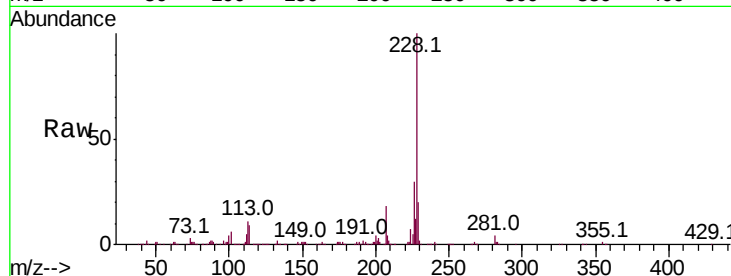
Tot Ion:228 Resp: 562486

Ion Ratio Lower Upper

228 100

226 30.0 24.5 36.7

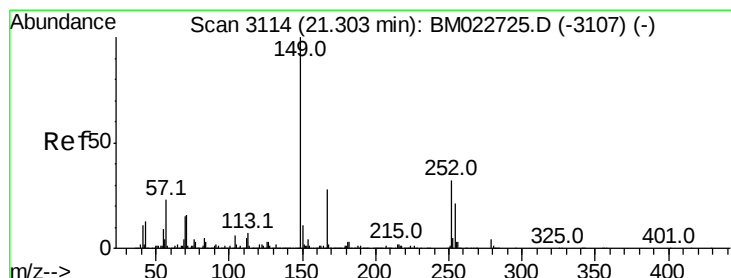
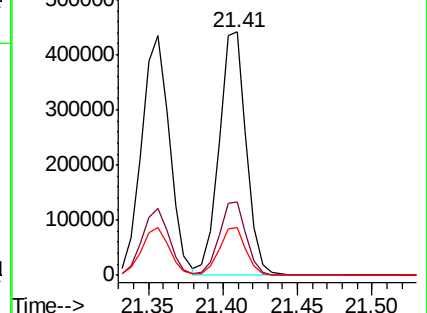
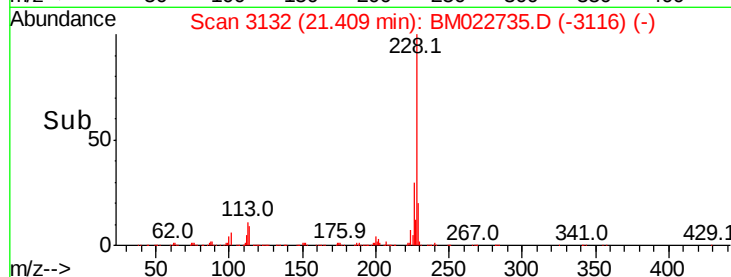
229 19.6 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.338 ng

RT: 21.29 min Scan# 3112

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

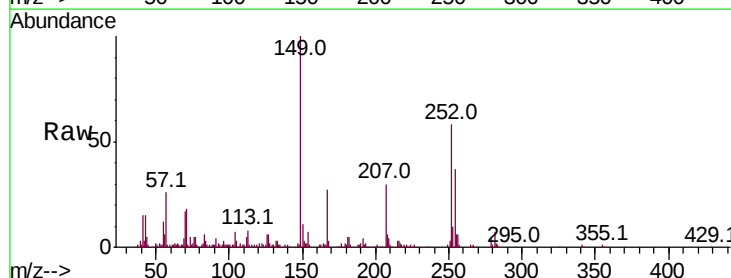
Tgt Ion:149 Resp: 251641

Ion Ratio Lower Upper

149 100

167 26.7 22.1 33.1

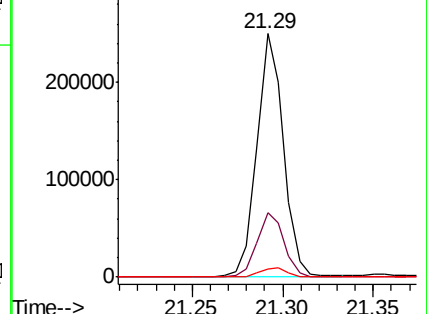
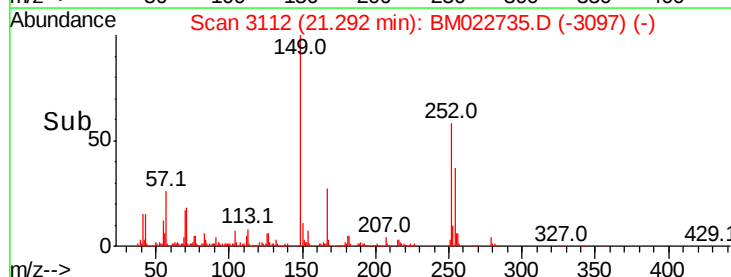
279 3.6 3.4 5.0

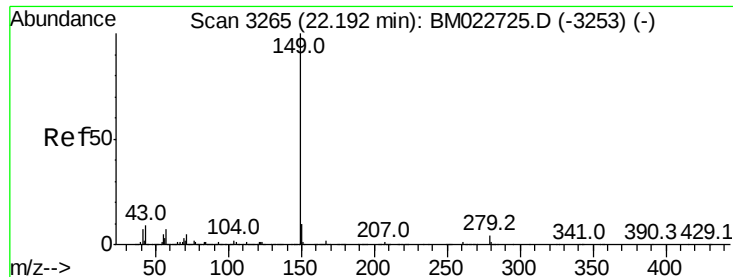


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

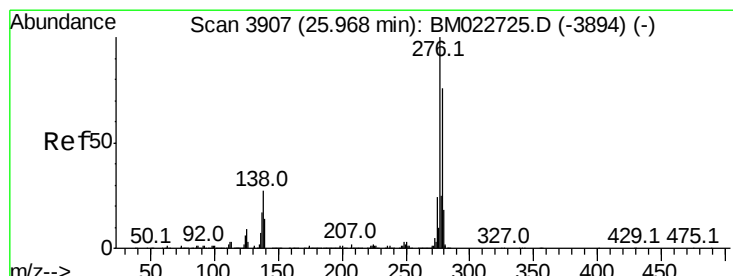
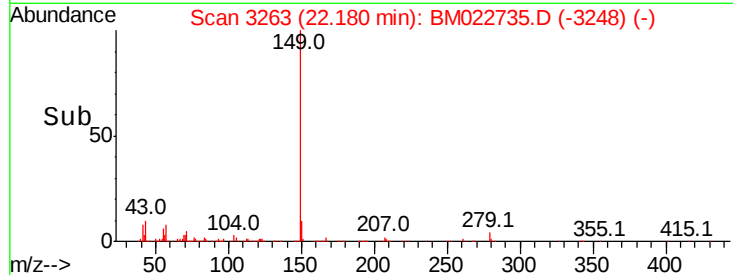
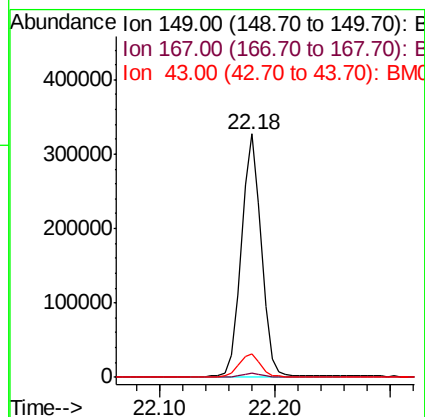
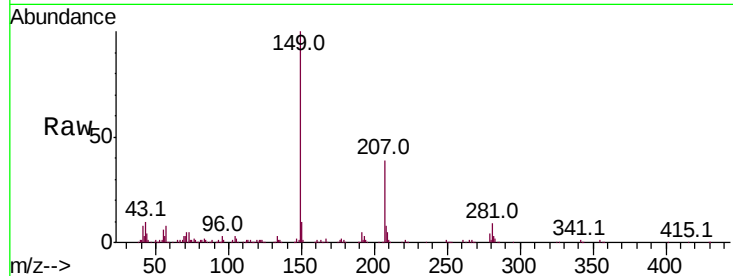




#85
Di-n-octyl phthalate
Concen: 7.045 ng
RT: 22.18 min Scan# 3263
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

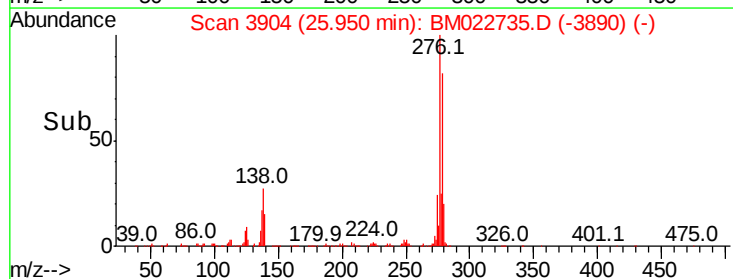
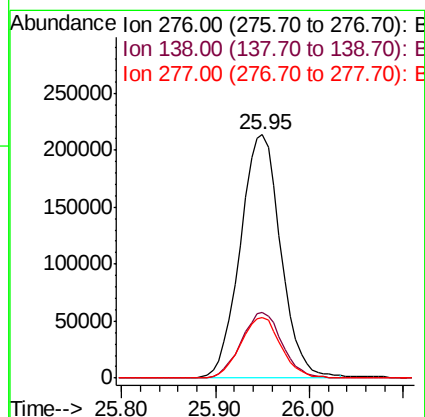
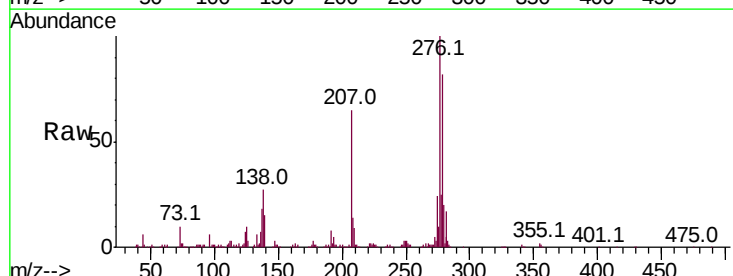
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

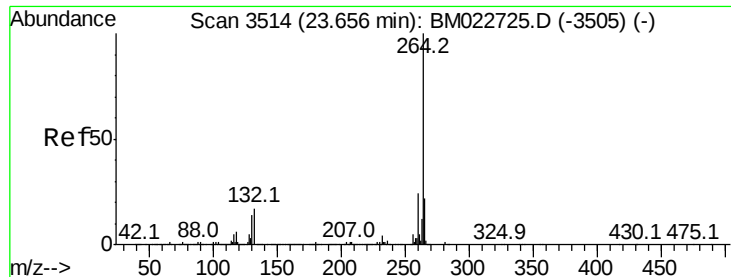
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.2	7.4	11.0



#86
Indeno(1,2,3-cd)pyrene
Concen: 9.172 ng
RT: 25.95 min Scan# 3904
Delta R.T. -0.02 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.2	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: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

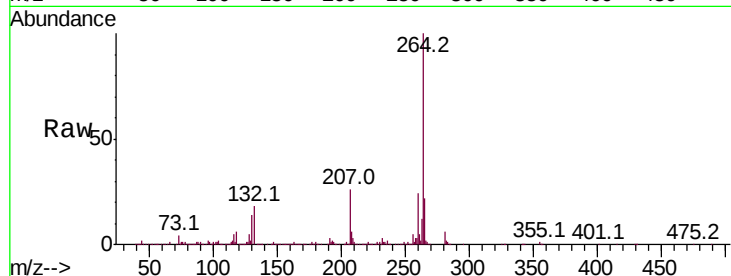
BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tot Ion:264 Resp: 1001891

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	21.9	17.9	26.9

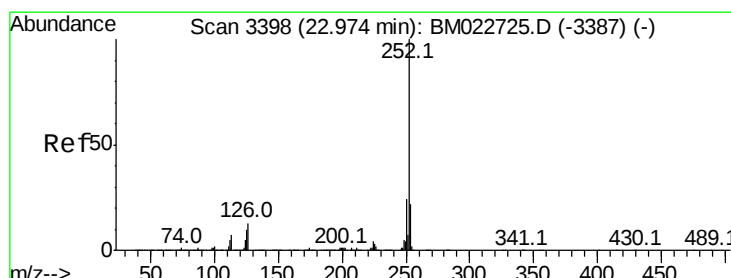
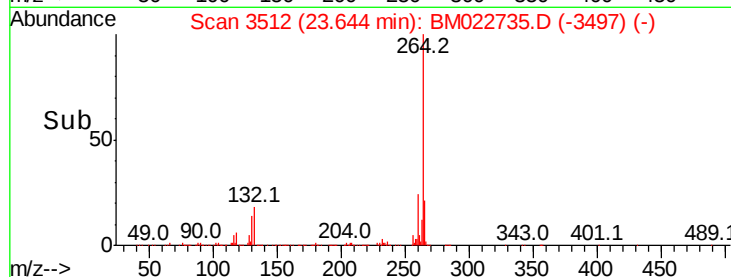
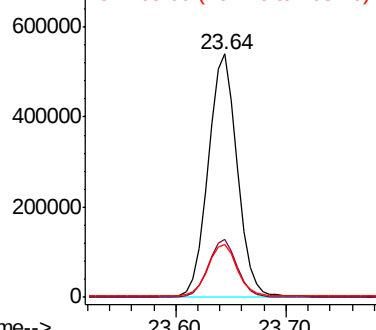


Abundance

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: 9.260 ng

RT: 22.96 min Scan# 3395

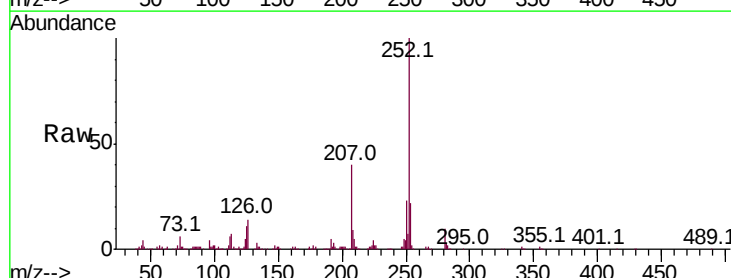
Delta R.T. -0.02 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Tgt Ion:252 Resp: 561751

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	10.9	8.2	12.4

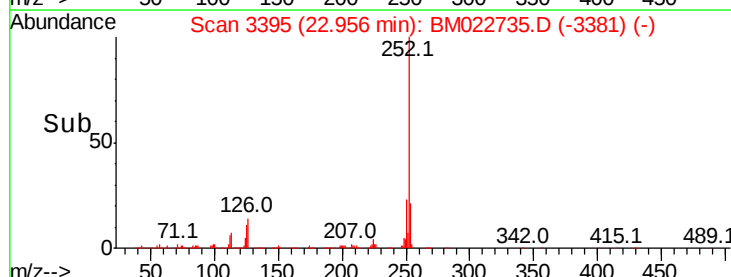
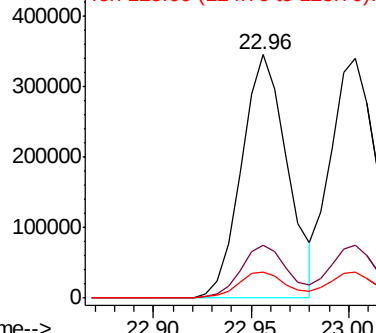


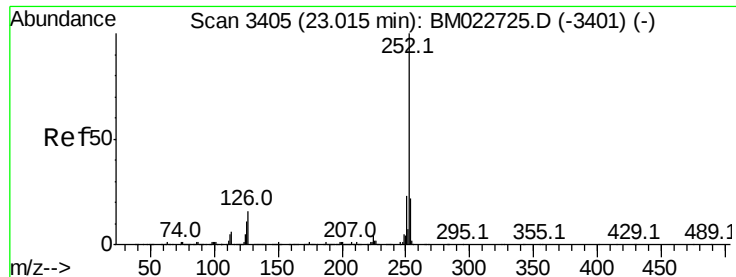
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 9.224 ng

RT: 23.00 min Scan# 3403

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

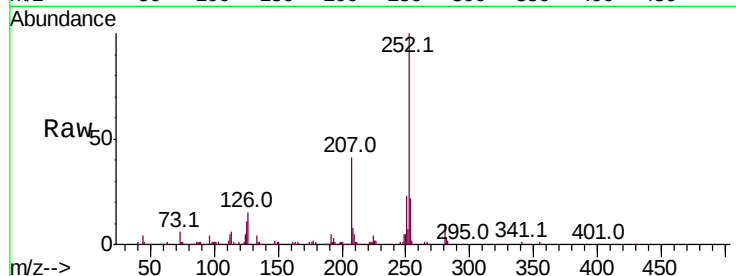
Tot Ion:252 Resp: 555202

Ion Ratio Lower Upper

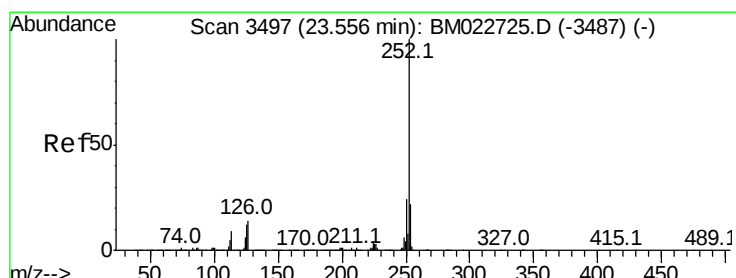
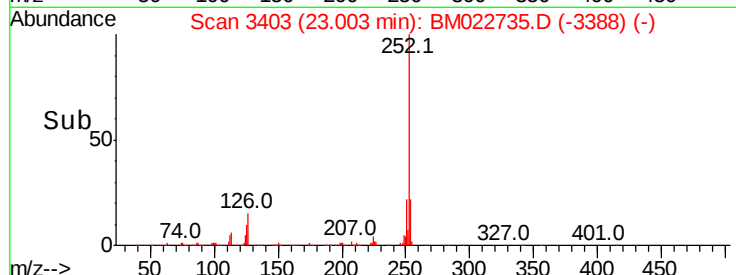
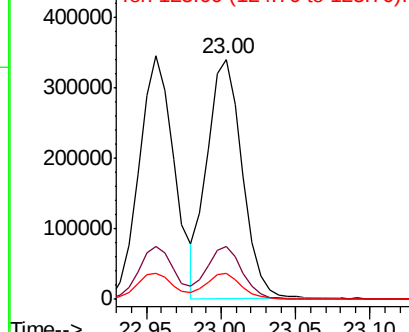
252 100

253 21.9 17.7 26.5

125 10.7 8.5 12.7



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 9.332 ng

RT: 23.54 min Scan# 3495

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

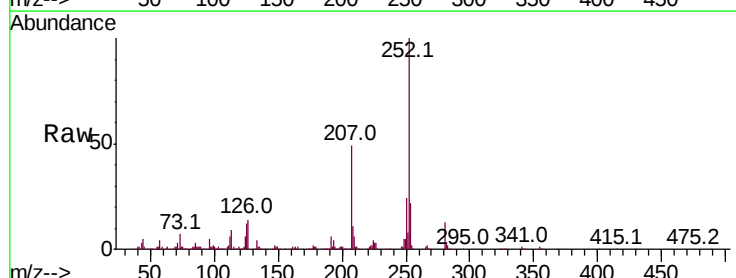
Tgt Ion:252 Resp: 521637

Ion Ratio Lower Upper

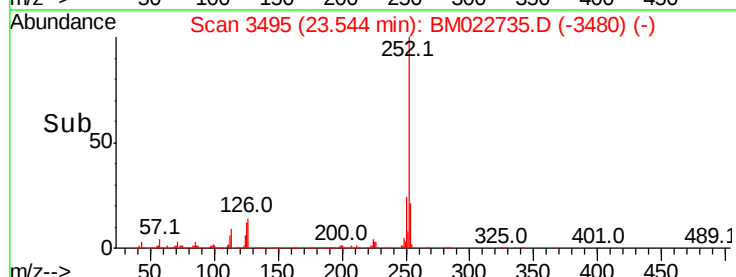
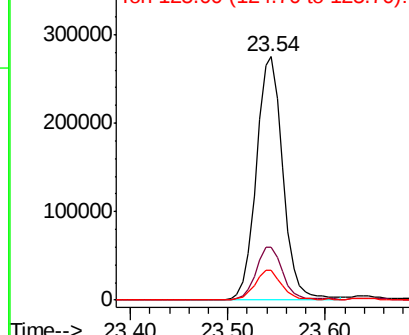
252 100

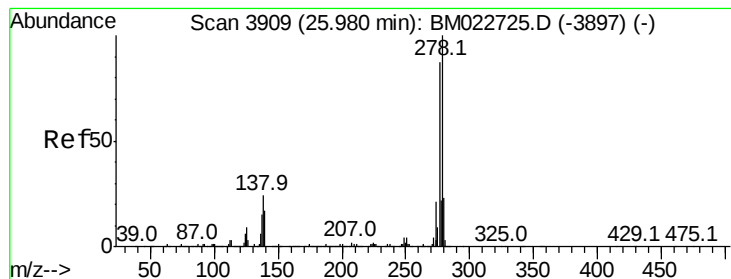
253 21.5 17.3 25.9

125 12.1 9.3 13.9



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 9.283 ng

RT: 25.96 min Scan# 3905

Delta R.T. -0.02 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

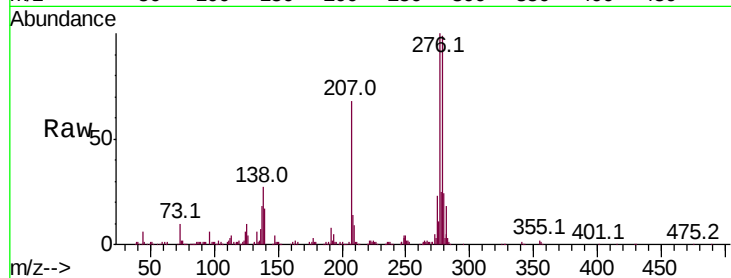
Tot Ion:278 Resp: 542742

Ion Ratio Lower Upper

278 100

139 17.5 13.7 20.5

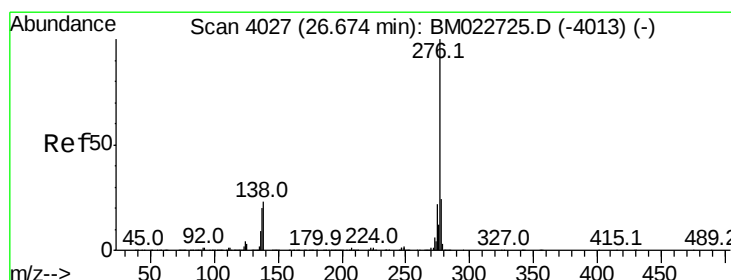
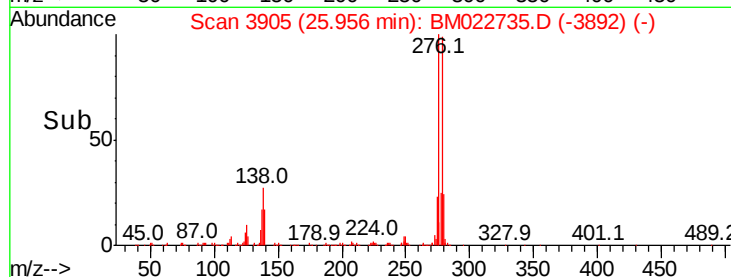
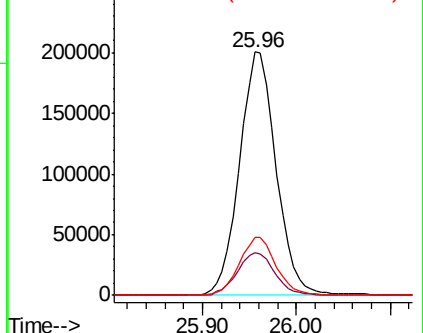
279 23.7 18.6 28.0



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 9.434 ng

RT: 26.65 min Scan# 4023

Delta R.T. -0.02 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

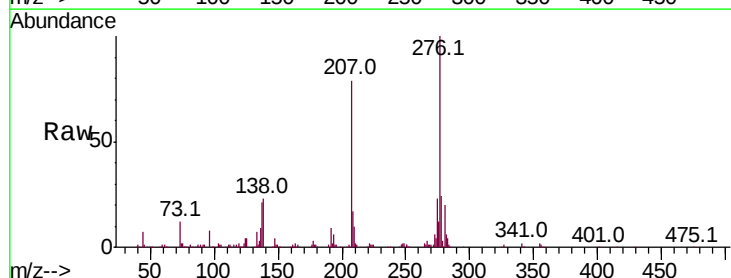
Tgt Ion:276 Resp: 523930

Ion Ratio Lower Upper

276 100

277 24.1 19.1 28.7

138 23.3 18.5 27.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

