

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071618\
 Data File : BF107417.D
 Acq On : 16 Jul 2018 22:01
 Operator : JU/SJ
 Sample : J3542-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-3

Quant Time: Jul 17 01:00:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 16 17:24:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	134722	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	511047	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	245958	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	425738	20.00	ng	0.00
75) Chrysene-d12	14.16	240	375645	20.00	ng	0.00
86) Perylene-d12	15.69	264	396970	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	828928	93.45	ng	0.00
7) Phenol-d6	6.60	99	1064075	92.78	ng	0.00
23) Nitrobenzene-d5	7.54	82	736722	76.87	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	188519	87.24	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1211310	81.69	ng	0.00
78) Terphenyl-d14	13.10	244	999004	66.08	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.86	88	463	0.106	ng	# 34
3) Pyridine	3.59	79	380	0.032	ng	# 21
4) n-Nitrosodimethylamine	3.58	42	448	0.092	ng	# 16
6) Aniline	6.67	93	711	0.047	ng	# 45
8) 2-Chlorophenol	6.77	128	391	0.044	ng	# 28
9) Benzaldehyde	6.52	77	1435	0.156	ng	# 1
10) Phenol	6.61	94	33160	2.697	ng	# 74
11) bis(2-Chloroethyl)ether	6.70	93	201	0.020	ng	# 19
12) 1,3-Dichlorobenzene	6.90	146	285	0.026	ng	# 13
13) 1,4-Dichlorobenzene	7.00	146	178	0.016	ng	# 24
14) 1,2-Dichlorobenzene	7.14	146	1085	0.107	ng	# 1
15) Benzyl Alcohol	7.14	79	20235	1.757	ng	# 52
16) 2,2'-oxybis(1-Chloropropan	7.41	45	599	0.056	ng	# 70
17) 2-Methylphenol	7.22	107	327	0.038	ng	# 21
18) Hexachloroethane	7.51	117	950	0.236	ng	# 44
19) n-Nitroso-di-n-propylamine	7.54	70	124958	15.217	ng	# 72
20) 3+4-Methylphenols	7.37	107	372	0.034	ng	# 18
22) Acetophenone	7.37	105	2180	0.155	ng	# 59
24) Nitrobenzene	7.54	77	5207	0.483	ng	# 40
25) Isophorone	7.54	82	734098	38.645	ng	# 64
26) 2-Nitrophenol	7.91	139	115	0.031	ng	# 1
27) 2,4-Dimethylphenol	7.92	122	1048	0.137	ng	# 1
28) bis(2-Chloroethoxy)methane	7.99	93	467	0.039	ng	# 1
30) 1,2,4-Trichlorobenzene	8.19	180	148	0.015	ng	# 12
31) Naphthalene	8.28	128	121929	4.912	ng	# 96
32) Benzoic acid	8.04	122	147	0.031	ng	# 39
33) 4-Chloroaniline	8.28	127	19760	1.838	ng	# 47
34) Hexachlorobutadiene	8.49	225	115	0.018	ng	# 18
35) Caprolactam	8.70	113	171	0.066	ng	# 4
36) 4-Chloro-3-methylphenol	8.80	107	499	0.048	ng	# 20
37) 2-Methylnaphthalene	8.97	142	82375	5.034	ng	# 92
39) 1,2,4,5-Tetrachlorobenzene	9.32	216	530	0.055	ng	# 1
40) Hexachlorocyclopentadiene	9.20	237	240	0.048	ng	# 26
42) 2,4,6-Trichlorophenol	9.27	196	163	0.027	ng	# 81

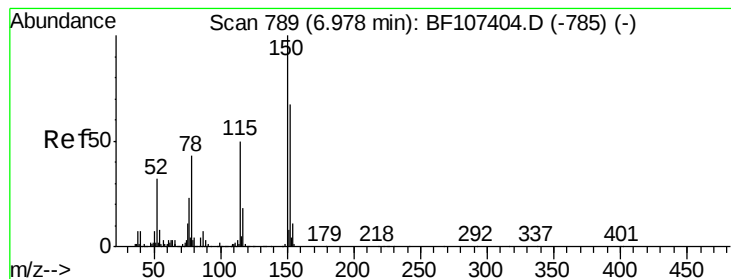
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071618\
 Data File : BF107417.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.27	196	163	0.029	ng	# 1
45) 1,1'-Biphenyl	9.44	154	48288	2.271	ng	98
46) 2-Chloronaphthalene	9.47	162	115	0.007	ng	# 1
47) 2-Nitroaniline	9.56	65	920	0.179	ng	# 13
48) Acenaphthylene	9.88	152	12939	0.552	ng	# 82
49) Dimethylphthalate	9.73	163	286304	14.651	ng	100
50) 2,6-Dinitrotoluene	9.72	165	5622	1.508	ng	# 20
51) Acenaphthene	10.05	154	247226	15.910	ng	96
52) 3-Nitroaniline	9.96	138	1230	0.314	ng	# 29
53) 2,4-Dinitrophenol	10.04	184	192	2.462	ng	# 1
54) Dibenzofuran	10.22	168	282912	11.782	ng	96
55) 4-Nitrophenol	10.22	139	117688	37.132	ng	# 10
56) 2,4-Dinitrotoluene	10.17	165	4848	0.997	ng	# 40
57) Fluorene	10.57	166	288085	18.115	ng	91
58) 2,3,4,6-Tetrachlorophenol	10.37	232	212	0.038	ng	# 1
59) Diethylphthalate	10.42	149	3714	0.196	ng	# 92
60) 4-Chlorophenyl-phenylether	10.52	204	150	0.016	ng	# 1
61) 4-Nitroaniline	10.66	138	1498	0.402	ng	87
62) Azobenzene	10.61	77	2366	0.106	ng	84
64) 4,6-Dinitro-2-methylphenol	10.62	198	126	7.536	ng	# 1
65) n-Nitrosodiphenylamine	10.93	169	8525	0.634	ng	95
66) 4-Bromophenyl-phenylether	11.04	248	933	0.192	ng	# 1
67) Hexachlorobenzene	11.27	284	202	0.045	ng	# 1
68) Atrazine	11.20	200	1909	0.376	ng	# 1
69) Pentachlorophenol	11.32	266	304	0.091	ng	# 35
70) Phenanthrene	11.54	178	977007	46.048	ng	98
71) Anthracene	11.59	178	368800	17.452	ng	98
72) Carbazole	11.74	167	117517	5.874	ng	95
73) Di-n-butylphthalate	12.06	149	11648	0.507	ng	# 44
74) Fluoranthene	12.74	202	583617	24.201	ng	92
76) Benzidine	12.85	184	1307	0.090	ng	# 1
77) Pyrene	12.96	202	448079	17.541	ng	99
79) Butylbenzylphthalate	13.72	149	5385	0.579	ng	88
80) Benzo(a)anthracene	14.15	228	121977	5.307	ng	96
81) 3,3'-Dichlorobenzidine	14.10	252	1424	0.185	ng	# 24
82) Chrysene	14.18	228	119424	5.439	ng	93
83) Bis(2-ethylhexyl)phthalate	14.12	149	24660	1.849	ng	# 93
84) Di-n-octyl phthalate	14.72	149	1843	0.089	ng	# 1
85) Indeno(1,2,3-cd)pyrene	17.25	276	18222	1.166	ng	# 70
87) Benzo(b)fluoranthene	15.23	252	119953	5.163	ng	# 88
88) Benzo(k)fluoranthene	15.23	252	119953	5.290	ng	# 91
89) Benzo(a)pyrene	15.61	252	49444	2.318	ng	# 87
90) Dibenzo(a,h)anthracene	17.27	278	3994	0.248	ng	# 53
91) Benzo(g,h,i)perylene	17.72	276	16772	1.026	ng	# 82

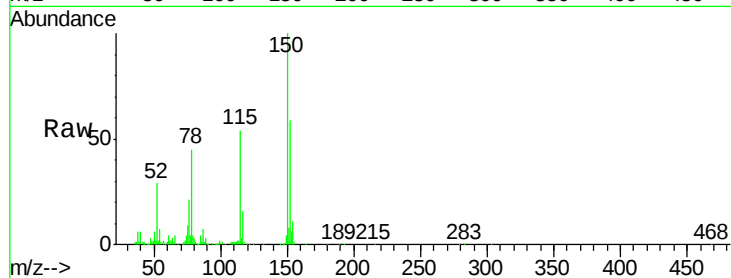
(#) = qualifier out of range (m) = manual integration (+) = signals summed



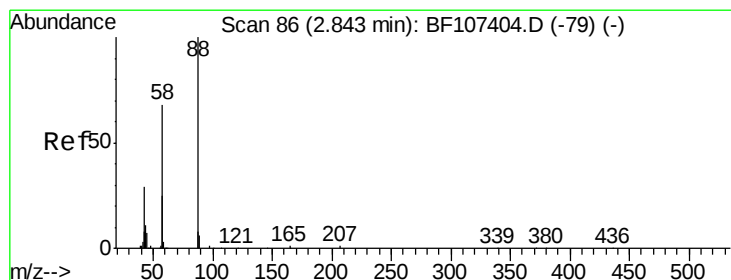
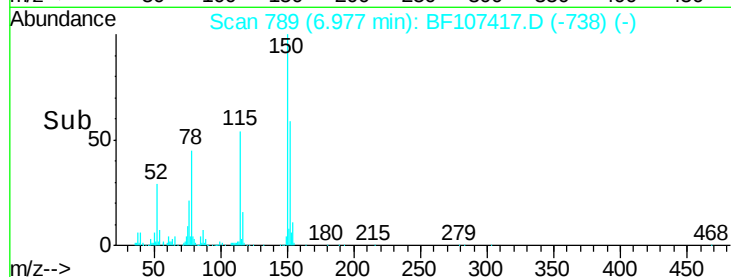
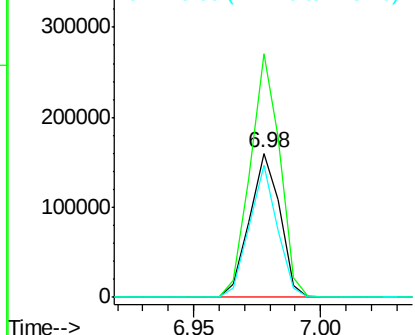
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.98 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: BF107417.D
 Acq: 16 Jul 2018 22:01

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-3

Tgt Ion:152 Resp: 134722
 Ion Ratio Lower Upper
 152 100
 150 169.1 124.6 186.8
 115 92.1 50.1 75.1#

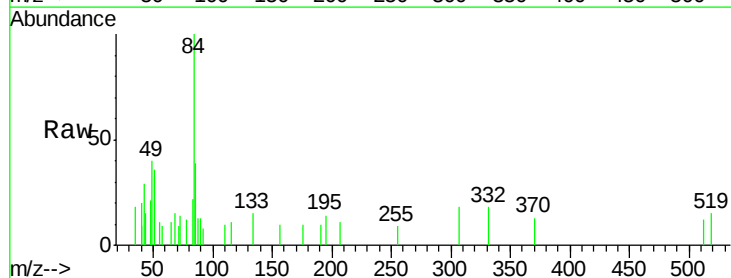


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

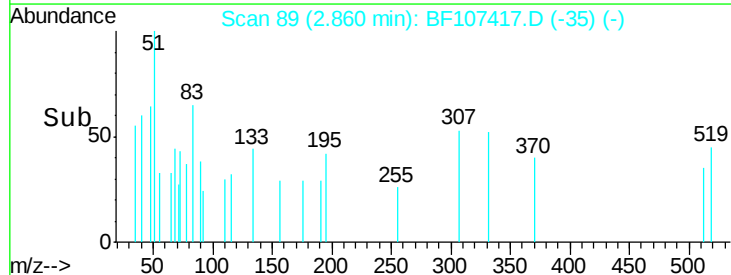
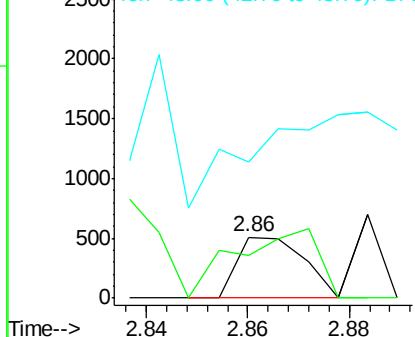


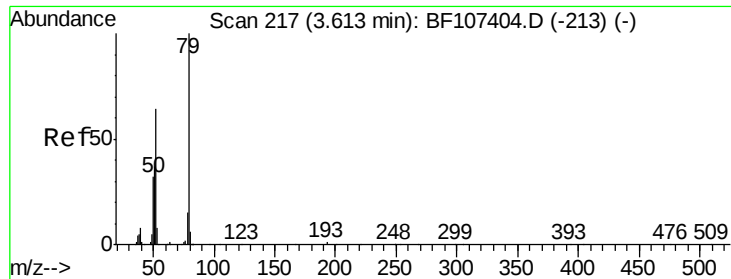
#2
 1,4-Dioxane
 Concen: 0.106 ng
 RT: 2.86 min Scan# 89
 Delta R.T. 0.02 min
 Lab File: BF107417.D
 Acq: 16 Jul 2018 22:01

Tgt Ion: 88 Resp: 463
 Ion Ratio Lower Upper
 88 100
 58 139.5 62.6 93.8#
 43 0.0 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
 Ion 58.00 (57.70 to 58.70): BF1
 Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 0.032 ng

RT: 3.59 min Scan# 213

Delta R.T. -0.02 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

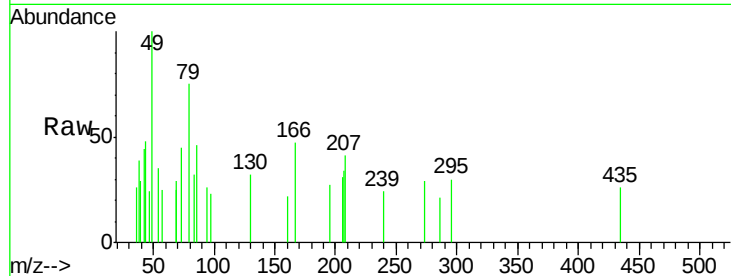
Tgt Ion: 79 Resp: 380

Ion Ratio Lower Upper

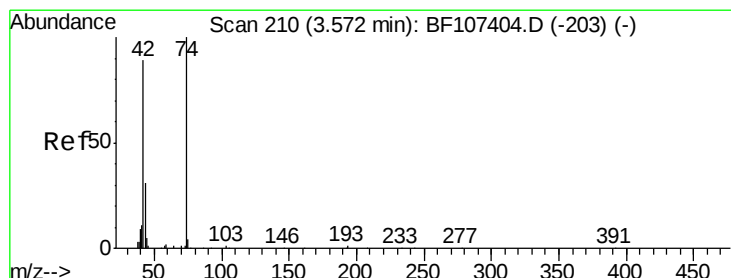
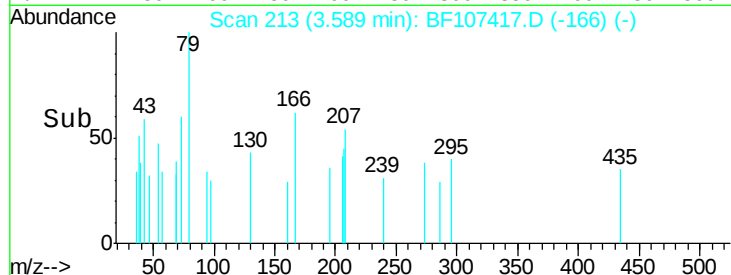
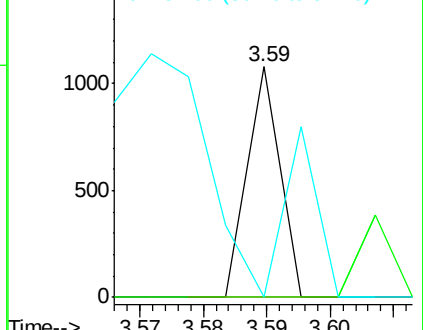
79 100

52 0.0 59.8 89.6#

51 0.0 29.8 44.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 0.092 ng

RT: 3.58 min Scan# 211

Delta R.T. 0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

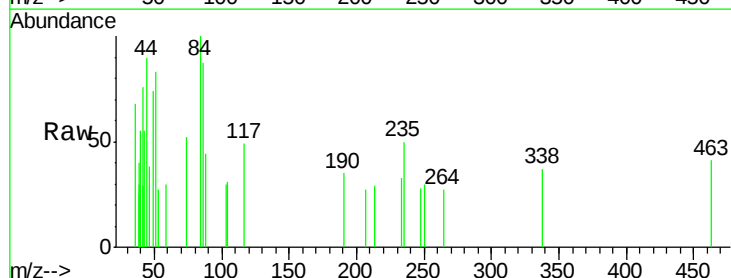
Tgt Ion: 42 Resp: 448

Ion Ratio Lower Upper

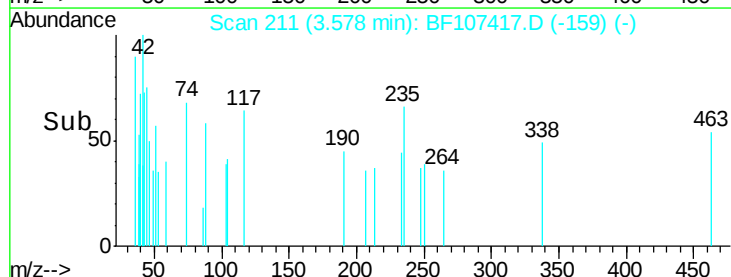
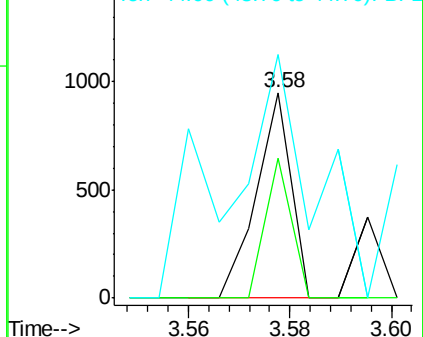
42 100

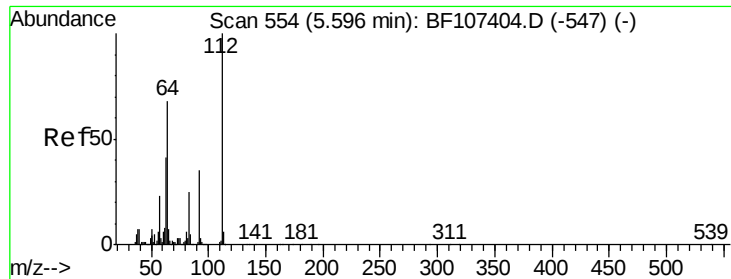
74 39.3 104.9 157.3#

44 68.6 6.9 10.3#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 93.446 ng

RT: 5.60 min Scan# 555

Delta R.T. 0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

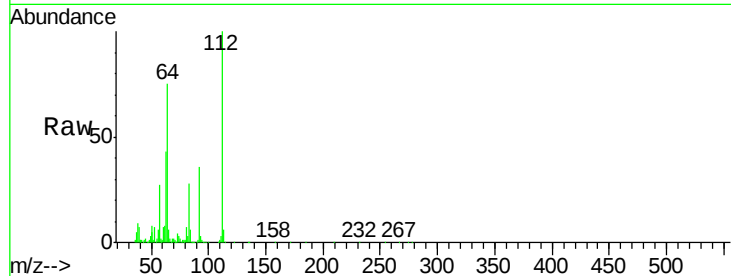
Tgt Ion: 112 Resp: 828928

Ion Ratio Lower Upper

112 100

64 74.7 47.9 71.9#

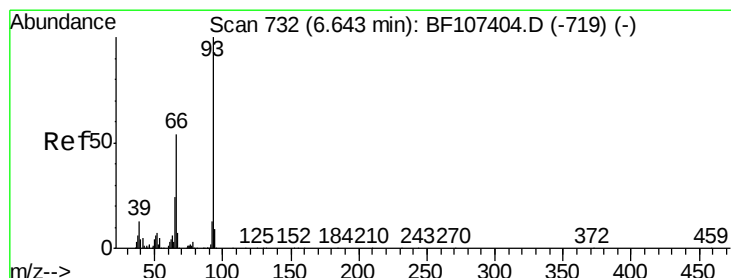
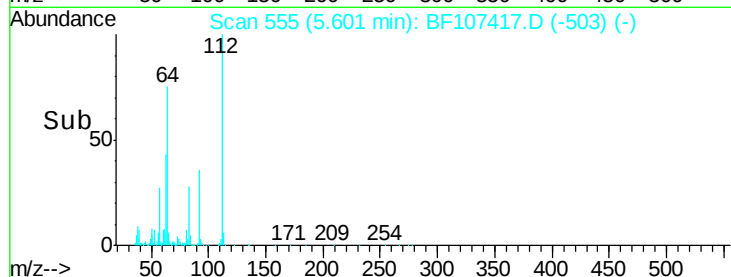
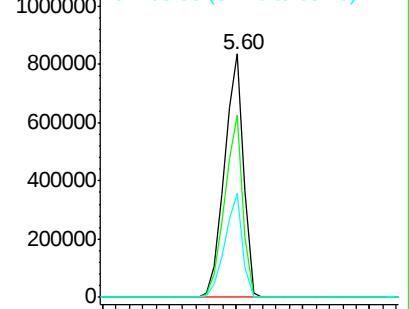
63 42.8 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 0.047 ng

RT: 6.67 min Scan# 737

Delta R.T. 0.03 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

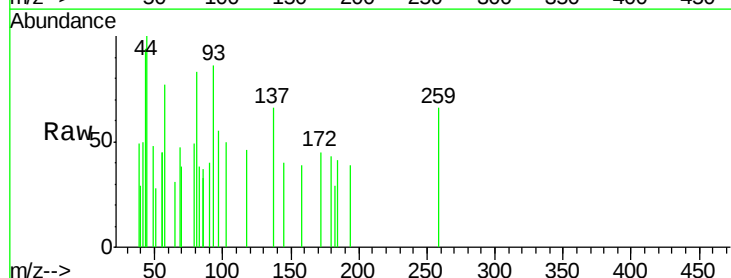
Tgt Ion: 93 Resp: 711

Ion Ratio Lower Upper

93 100

66 0.0 32.2 48.2#

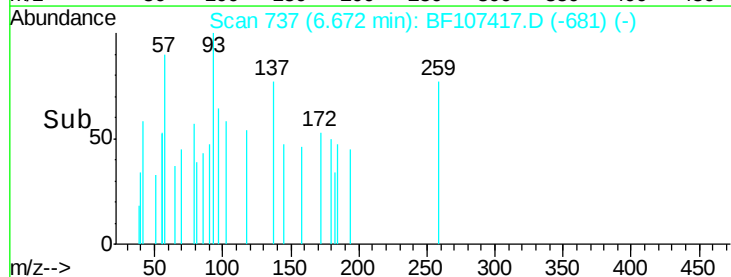
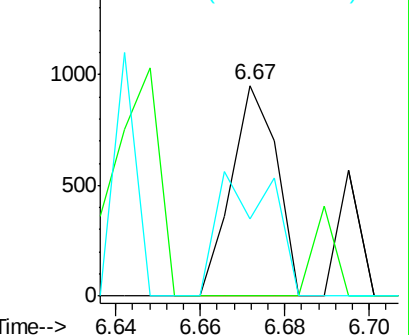
65 36.7 16.4 24.6#

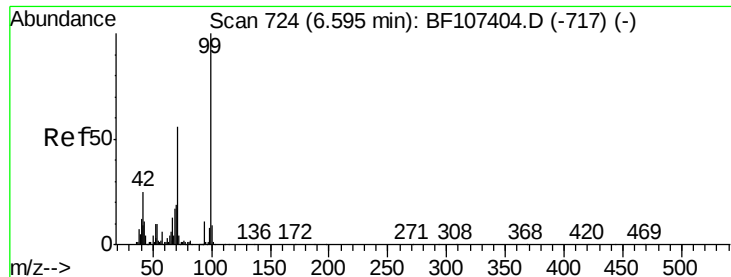


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 92.781 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.00 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

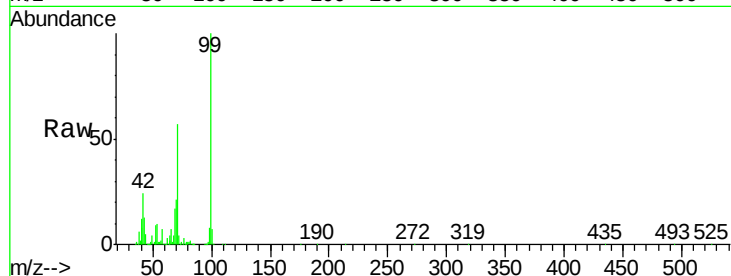
Tgt Ion: 99 Resp: 1064075

Ion Ratio Lower Upper

99 100

42 23.9 14.5 21.7#

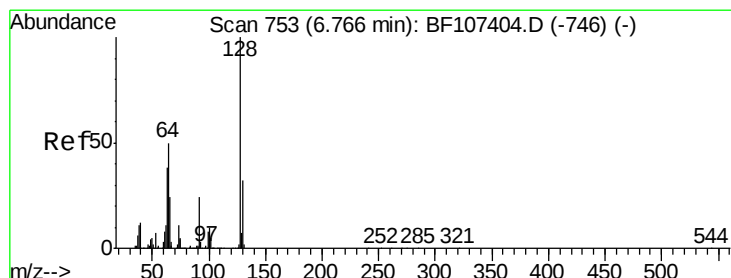
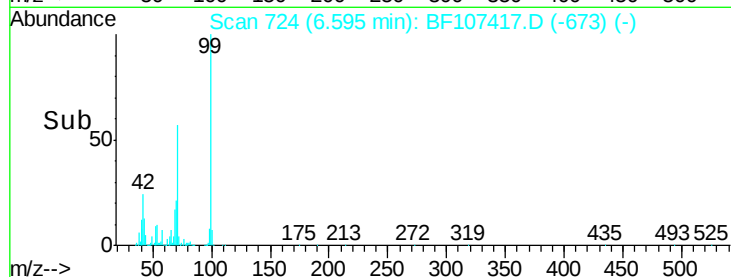
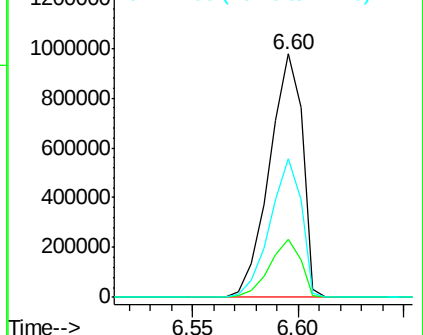
71 57.0 25.4 38.0#



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 0.044 ng

RT: 6.77 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

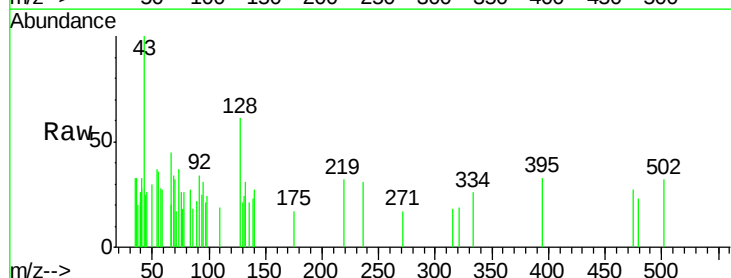
Tgt Ion: 128 Resp: 391

Ion Ratio Lower Upper

128 100

130 74.0 13.0 53.0#

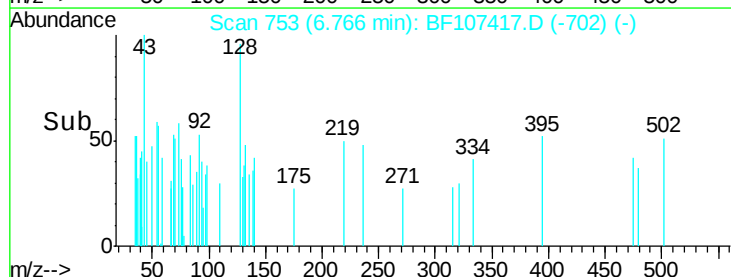
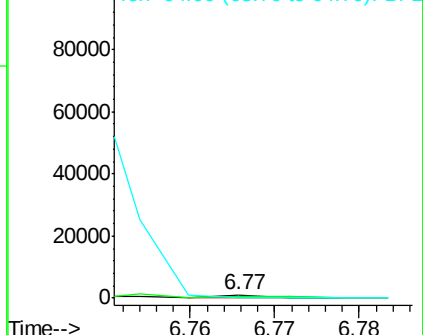
64 0.0 29.4 69.4#

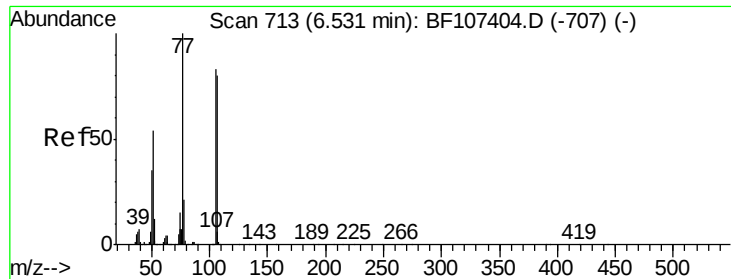


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 0.156 ng

RT: 6.52 min Scan# 711

Delta R.T. -0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampleId :

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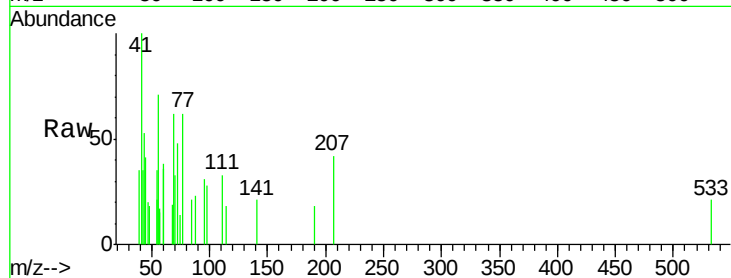
Tgt Ion: 77 Resp: 1435

Ion Ratio Lower Upper

77 100

105 0.0 81.1 121.1#

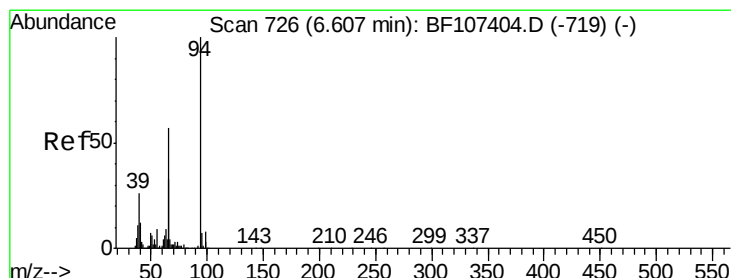
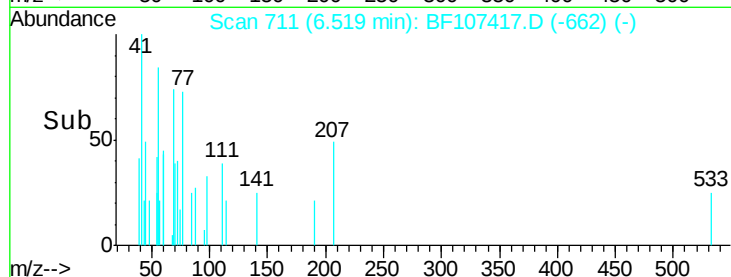
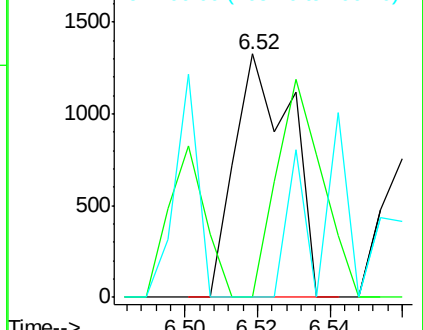
106 0.0 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 2.697 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

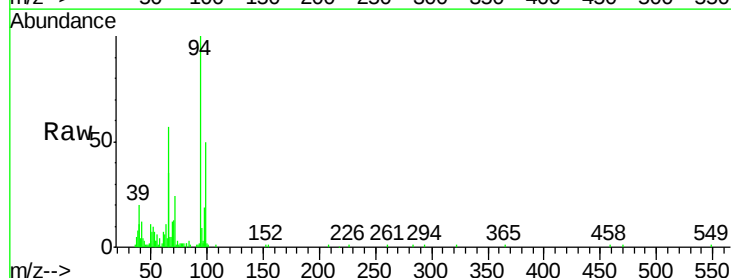
Tgt Ion: 94 Resp: 33160

Ion Ratio Lower Upper

94 100

65 34.8 7.9 47.9

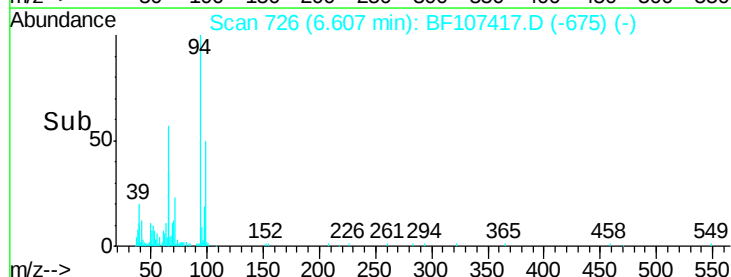
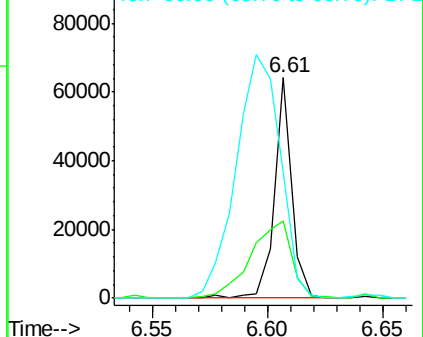
66 57.0 16.2 56.2#

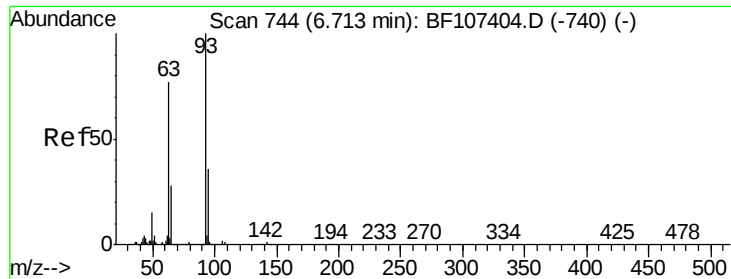


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

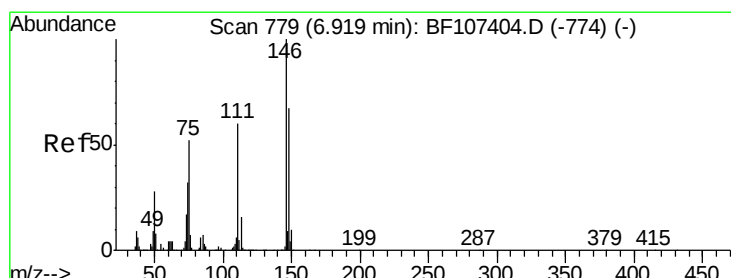
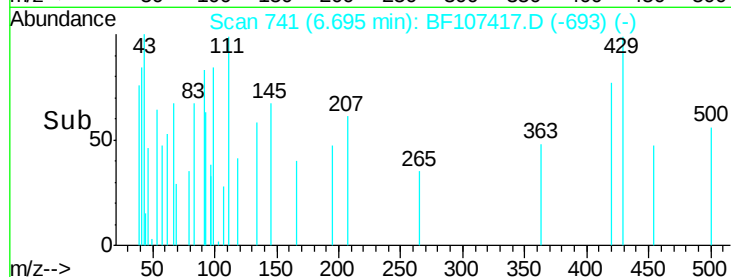
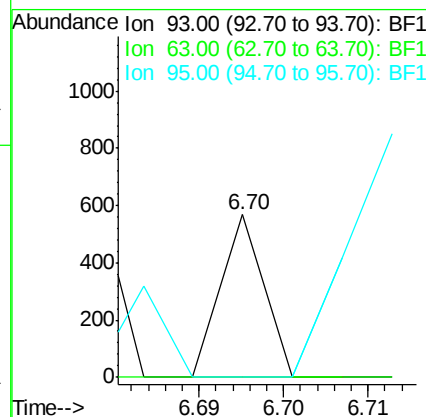
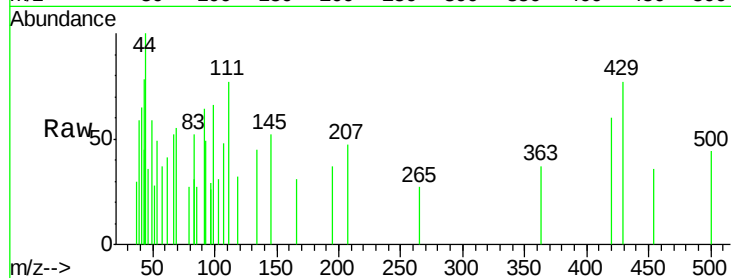




#11
bis(2-Chloroethyl)ether
Concen: 0.020 ng
RT: 6.70 min Scan# 741
Delta R.T. -0.02 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

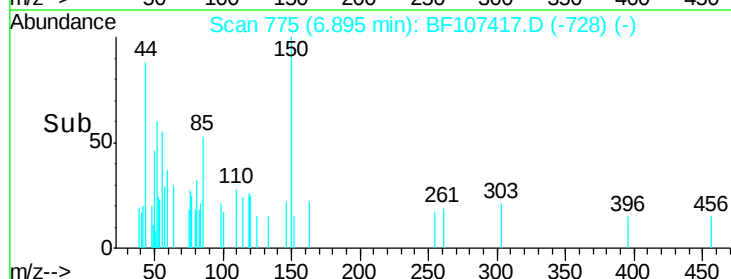
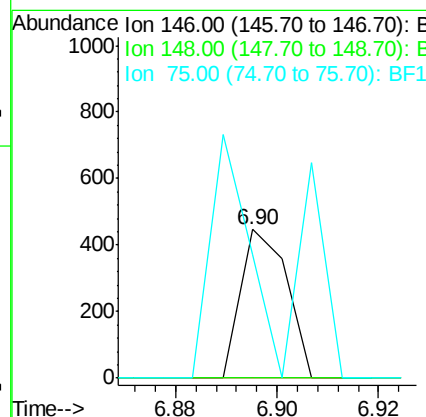
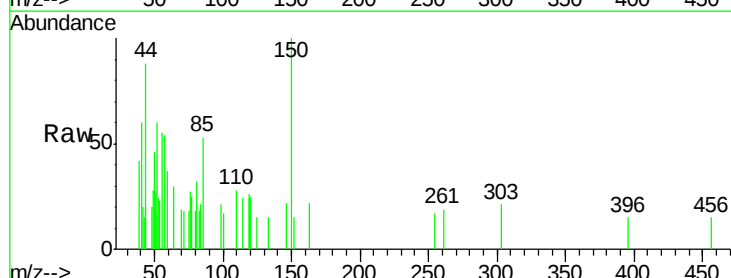
Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

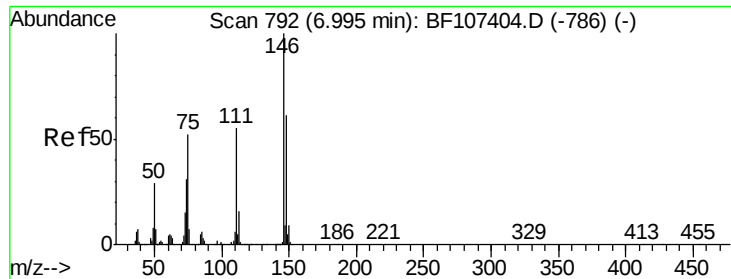
Tgt Ion: 93 Resp: 201
Ion Ratio Lower Upper
93 100
63 0.0 58.6 98.6#
95 0.0 11.8 51.8#



#12
1,3-Dichlorobenzene
Concen: 0.026 ng
RT: 6.90 min Scan# 775
Delta R.T. -0.02 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Tgt Ion: 146 Resp: 285
Ion Ratio Lower Upper
146 100
148 0.0 51.8 77.8#
75 83.0 24.2 36.4#





#13

1,4-Dichlorobenzene

Concen: 0.016 ng

RT: 7.00 min Scan# 793

Delta R.T. 0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

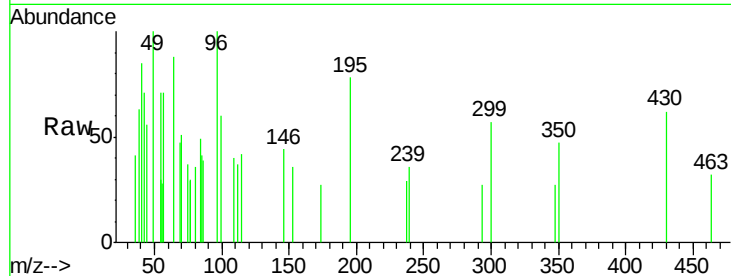
Tgt Ion:146 Resp: 178

Ion Ratio Lower Upper

146 100

148 0.0 50.8 76.2#

111 0.0 34.2 51.2#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

1500

1000

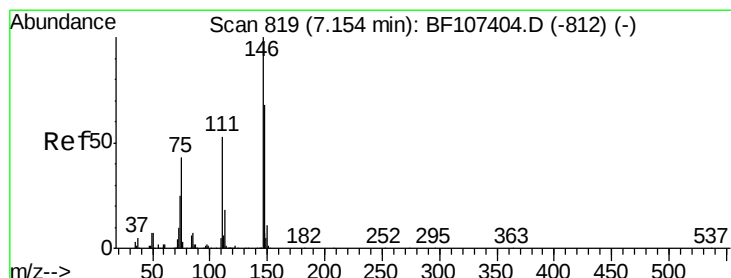
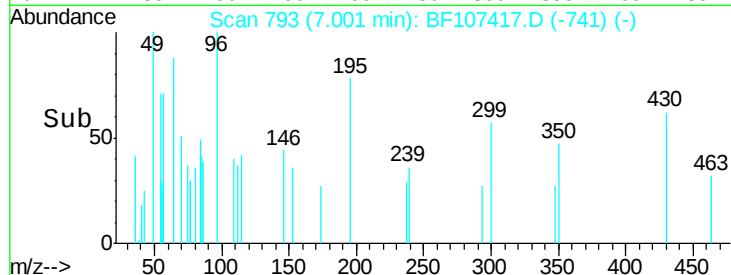
500

0

6.99 7.00 7.01

7.00

Time-->



#14

1,2-Dichlorobenzene

Concen: 0.107 ng

RT: 7.14 min Scan# 816

Delta R.T. -0.02 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

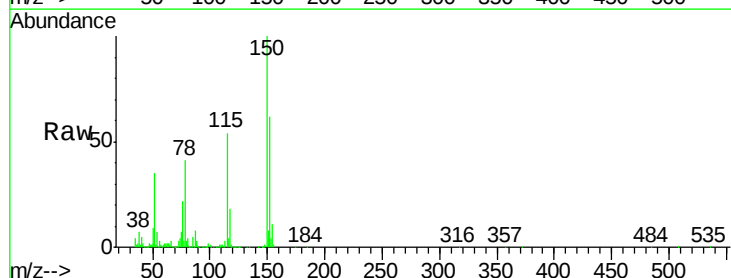
Tgt Ion:146 Resp: 1085

Ion Ratio Lower Upper

146 100

148 282.3 50.6 75.8#

111 571.0 36.0 54.0#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

12000

10000

8000

6000

4000

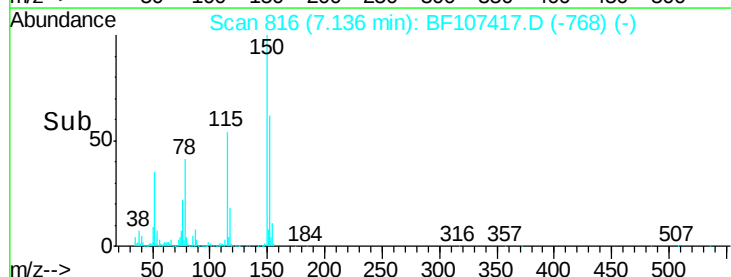
2000

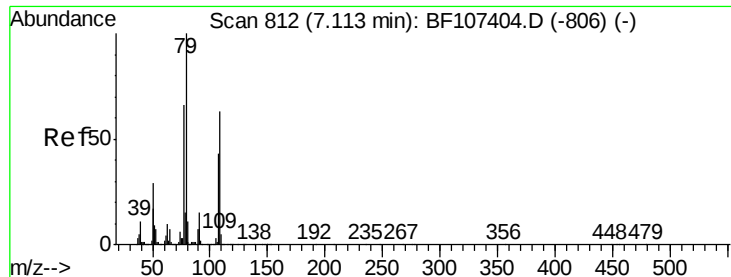
0

7.10 7.12 7.14 7.16

7.14

Time-->





#15

Benzyl Alcohol

Concen: 1.757 ng

RT: 7.14 min Scan# 816

Delta R.T. 0.02 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

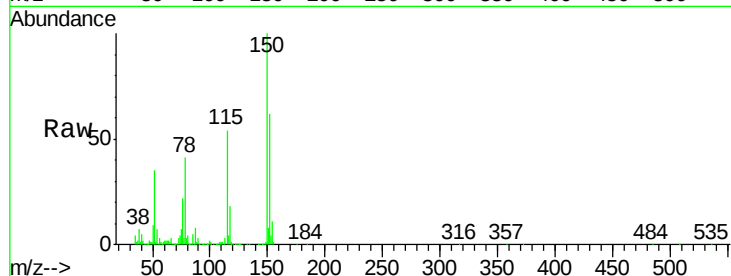
Tgt Ion: 79 Resp: 20235

Ion Ratio Lower Upper

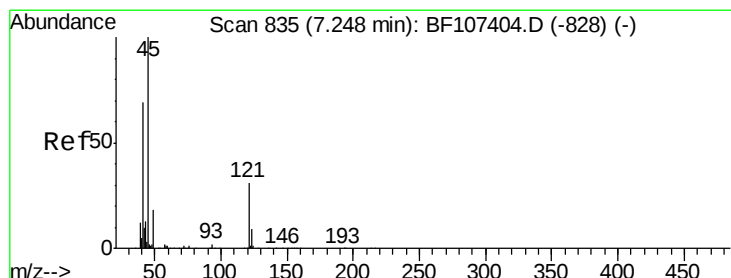
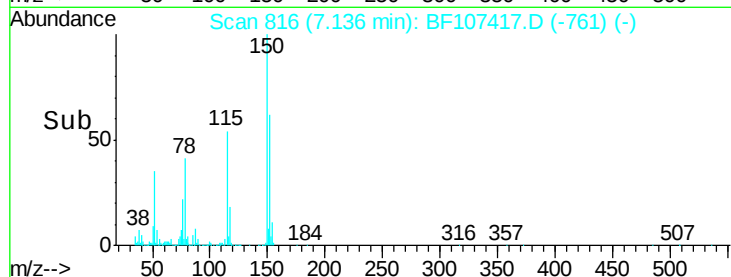
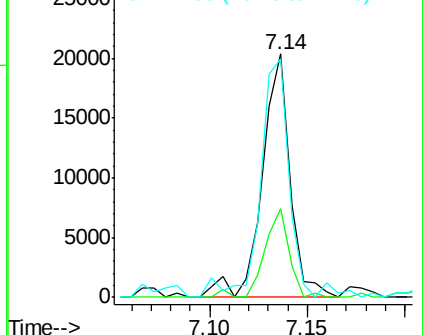
79 100

108 36.5 65.1 97.7#

77 97.8 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 0.056 ng

RT: 7.41 min Scan# 863

Delta R.T. 0.16 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

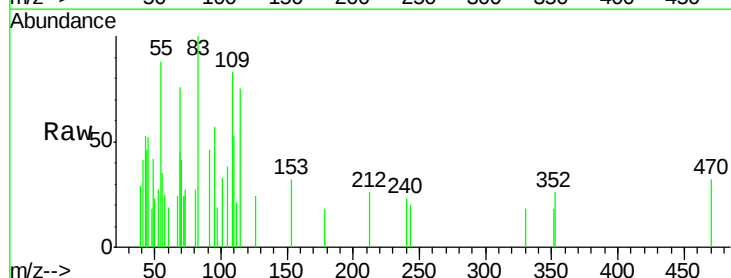
Tgt Ion: 45 Resp: 599

Ion Ratio Lower Upper

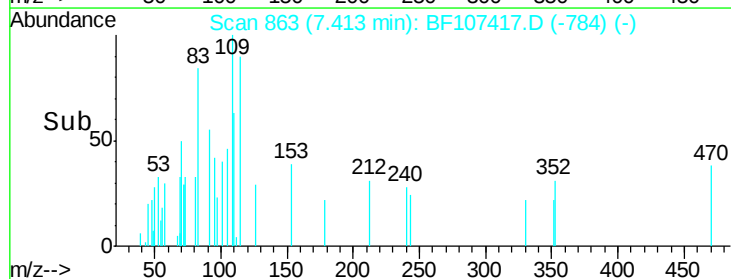
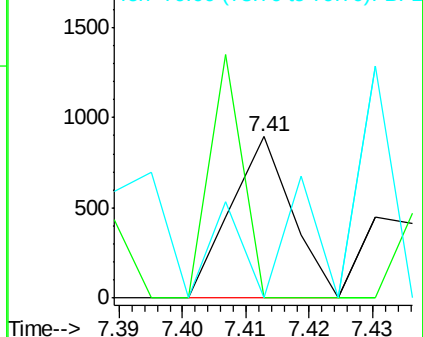
45 100

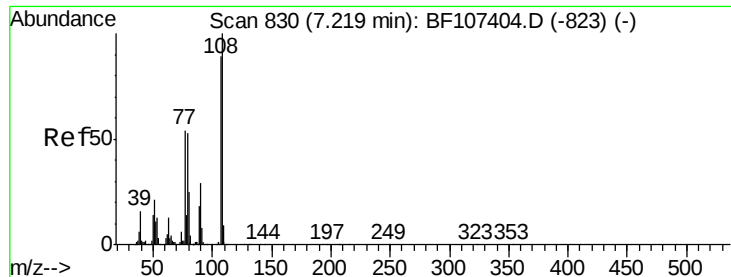
77 0.0 0.0 32.9

79 0.0 0.0 29.6



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 0.038 ng

RT: 7.22 min Scan# 830

Delta R.T. -0.00 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

Tgt Ion:107 Resp: 327

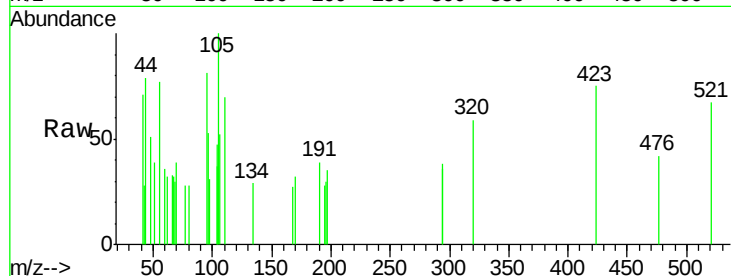
Ion Ratio Lower Upper

107 100

108 0.0 91.7 137.5#

77 52.6 33.8 50.8#

79 0.0 33.8 50.8#

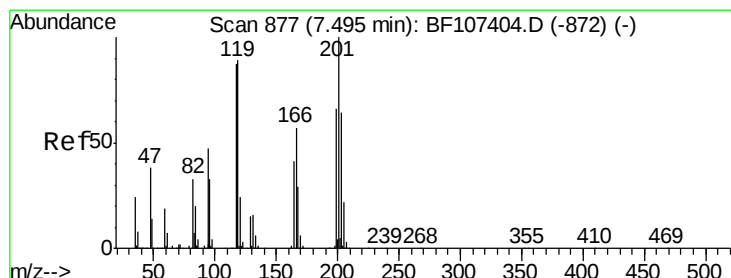
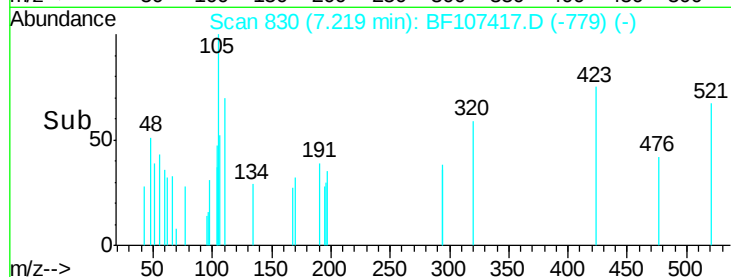
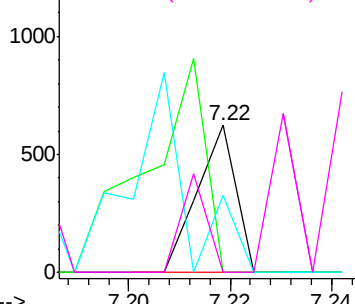


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 0.236 ng

RT: 7.51 min Scan# 879

Delta R.T. 0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

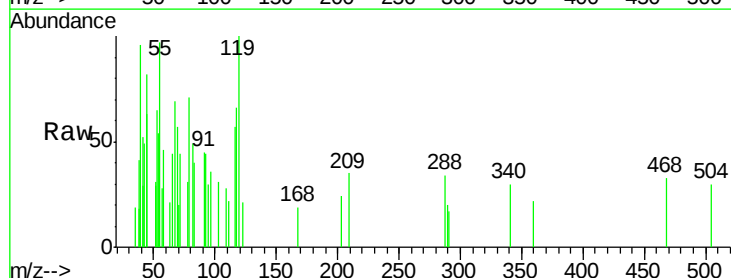
Tgt Ion:117 Resp: 950

Ion Ratio Lower Upper

117 100

119 81.5 75.8 113.8

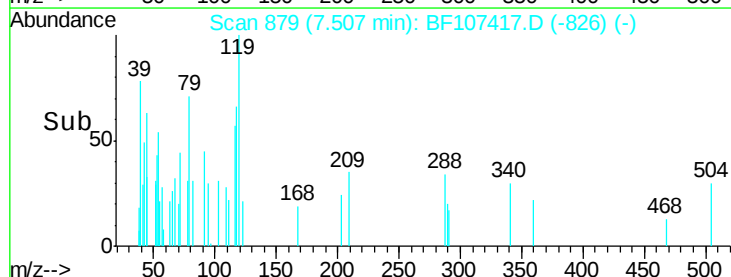
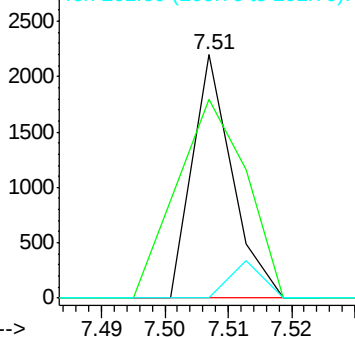
201 0.0 75.7 113.5#

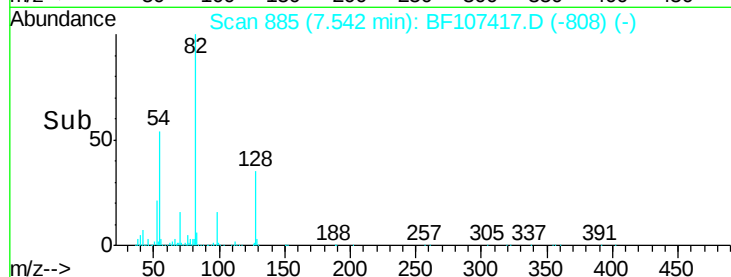
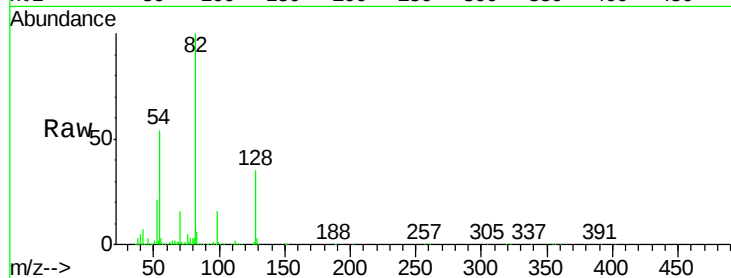
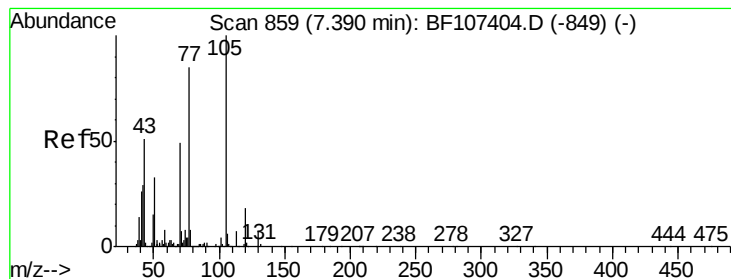


Abundance Ion 117.00 (116.70 to 117.70): E

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: 15.217 ng

RT: 7.54 min Scan# 885

Delta R.T. 0.15 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

Tgt Ion: 70 Resp: 124958

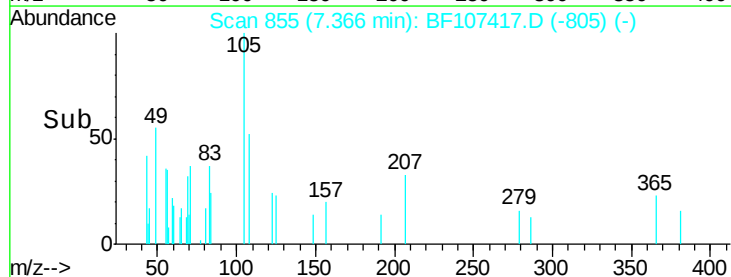
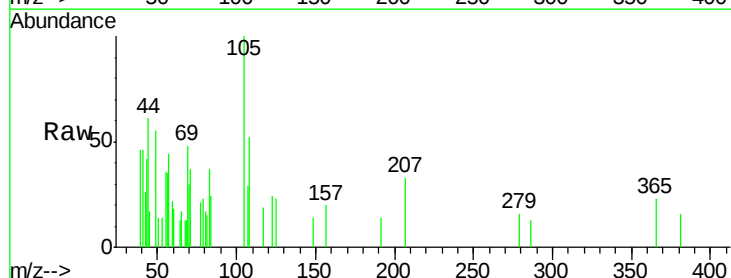
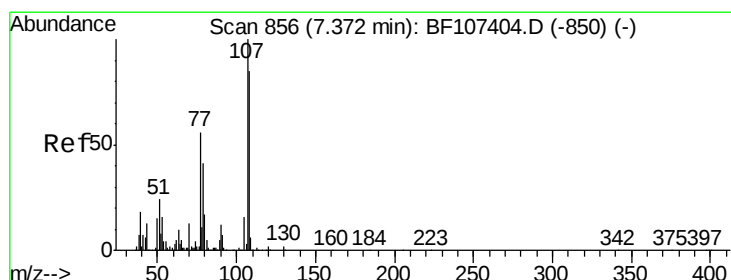
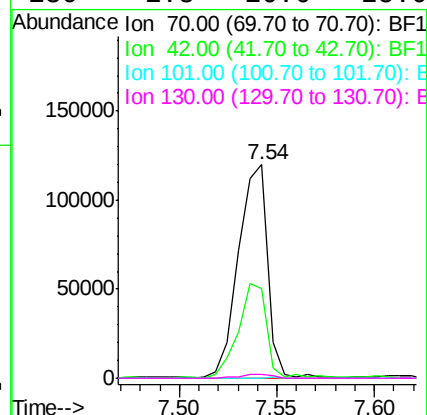
Ion Ratio Lower Upper

70 100

42 41.8 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#



#20

3+4-Methylphenols

Concen: 0.034 ng

RT: 7.37 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Tgt Ion: 107 Resp: 372

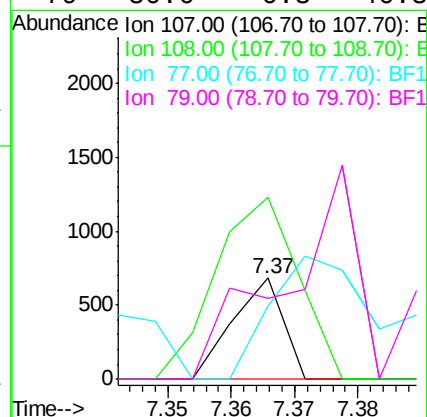
Ion Ratio Lower Upper

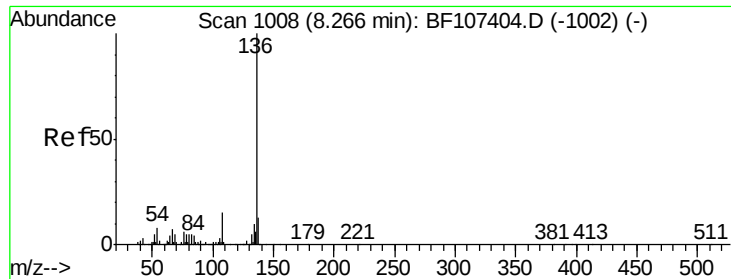
107 100

108 180.4 68.2 108.2#

77 72.0 26.7 66.7#

79 80.6 6.3 46.3#

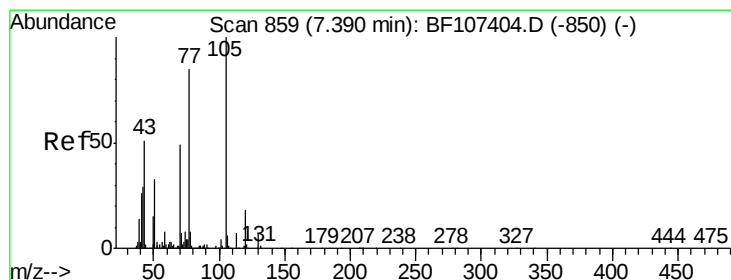
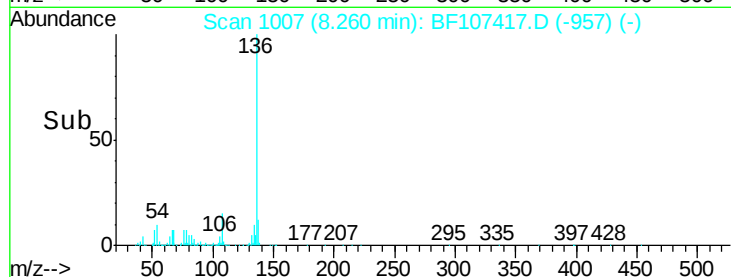
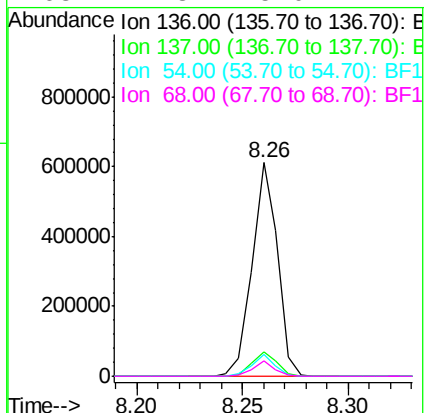
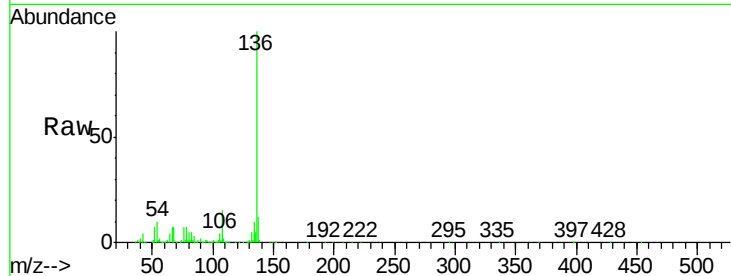




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

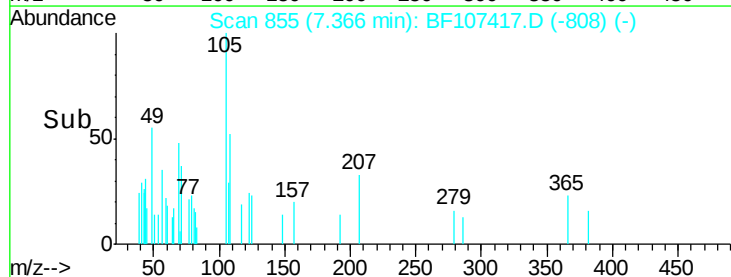
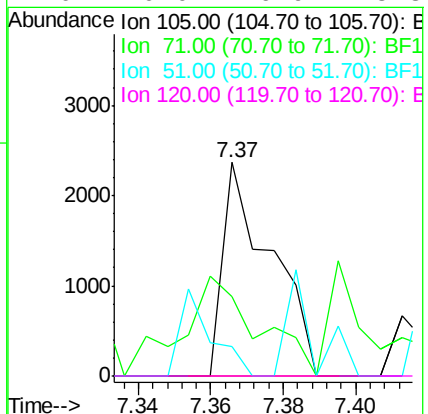
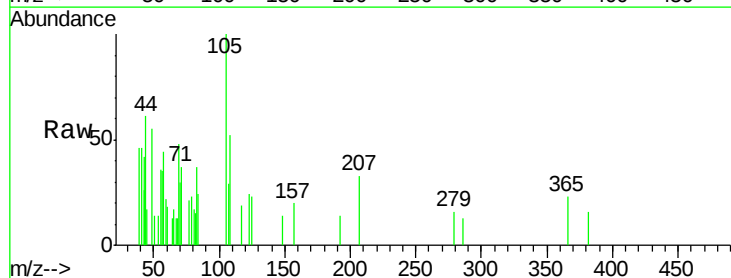
Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

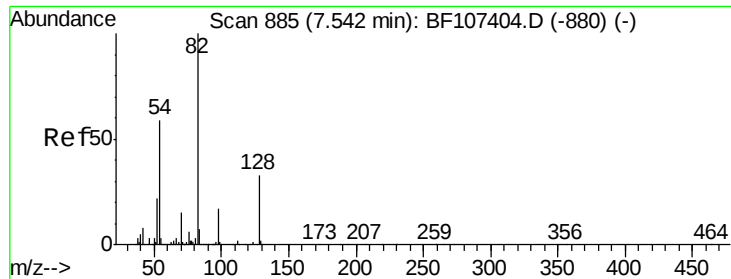
Tgt Ion:	136	Resp:	511047
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.9	13.3
54	9.9	6.6	9.8#
68	7.3	5.0	7.4



#22
Acetophenone
Concen: 0.155 ng
RT: 7.37 min Scan# 855
Delta R.T. -0.02 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Tgt Ion:	105	Resp:	2180
Ion	Ratio	Lower	Upper
105	100		
71	37.2	4.4	6.6#
51	13.6	22.3	33.5#
120	0.0	16.9	25.3#

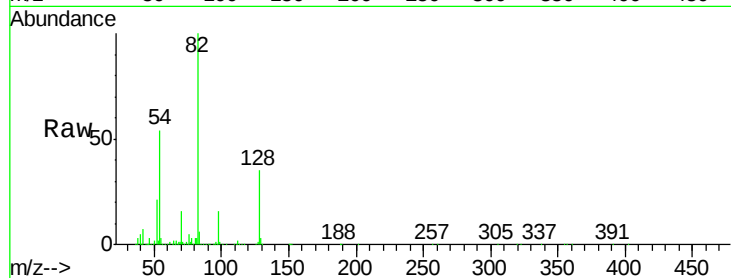




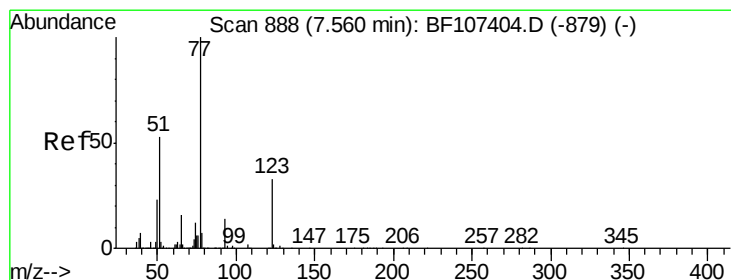
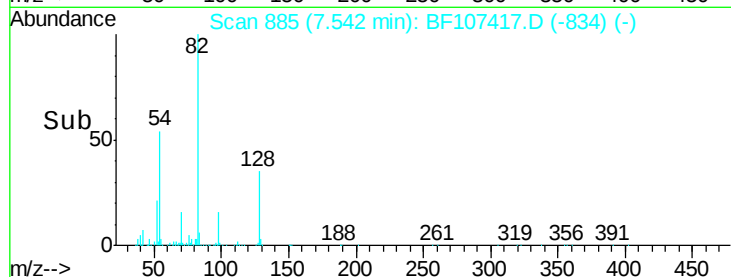
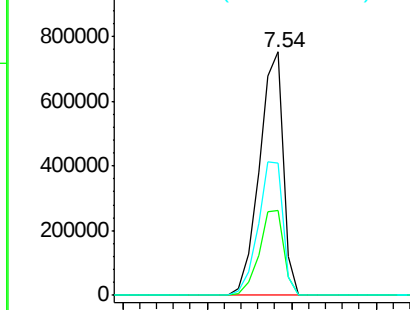
#23
 Nitrobenzene-d5
 Concen: 76.872 ng
 RT: 7.54 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: BF107417.D
 Acq: 16 Jul 2018 22:01

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-3

Tgt Ion: 82 Resp: 736722
 Ion Ratio Lower Upper
 82 100
 128 35.1 36.1 54.1#
 54 54.1 41.4 62.2

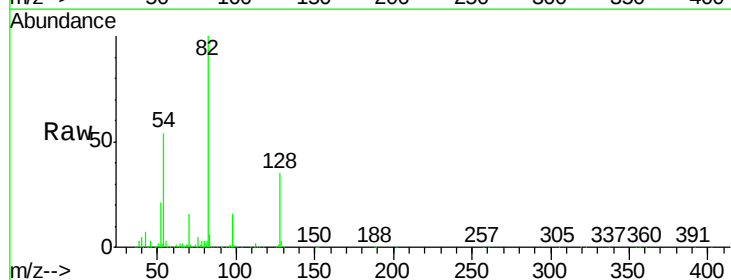


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

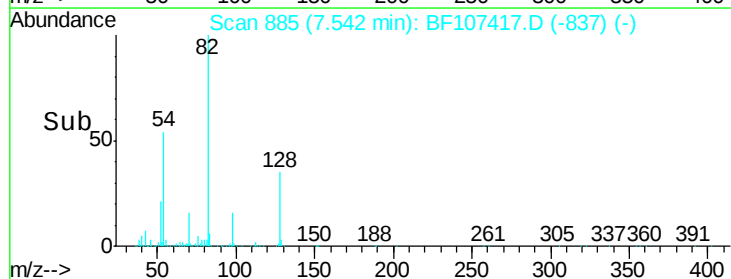
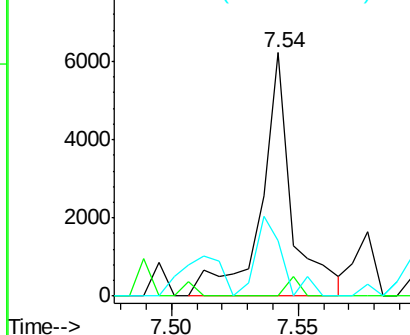


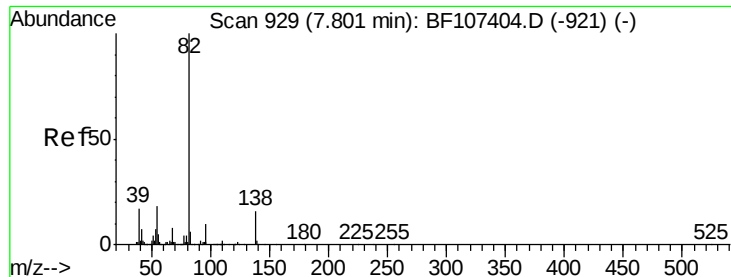
#24
 Nitrobenzene
 Concen: 0.483 ng
 RT: 7.54 min Scan# 885
 Delta R.T. -0.02 min
 Lab File: BF107417.D
 Acq: 16 Jul 2018 22:01

Tgt Ion: 77 Resp: 5207
 Ion Ratio Lower Upper
 77 100
 123 0.0 37.9 56.9#
 65 23.0 11.0 16.4#



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 38.645 ng

RT: 7.54 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

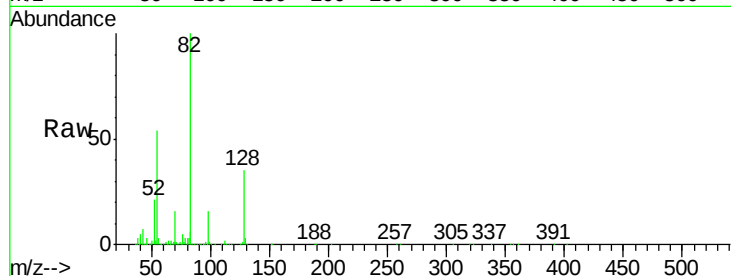
Tgt Ion: 82 Resp: 734098

Ion Ratio Lower Upper

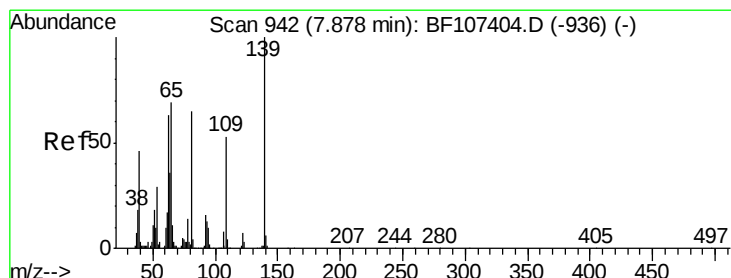
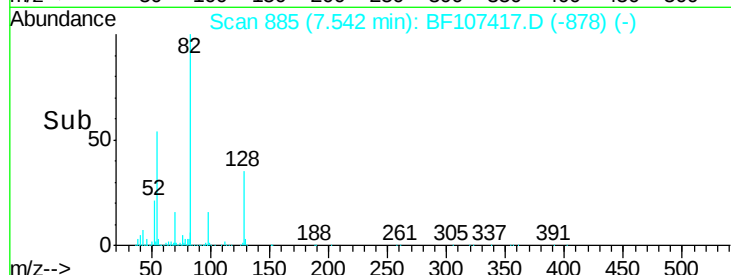
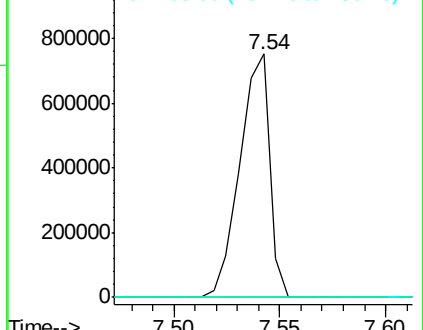
82 100

95 0.3 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 0.031 ng

RT: 7.91 min Scan# 948

Delta R.T. 0.04 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

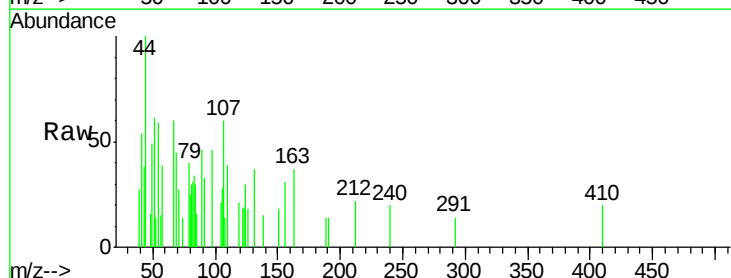
Tgt Ion: 139 Resp: 115

Ion Ratio Lower Upper

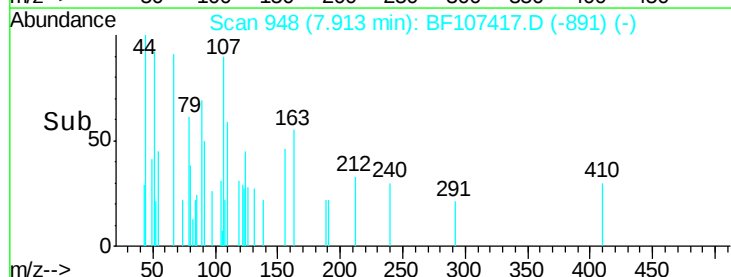
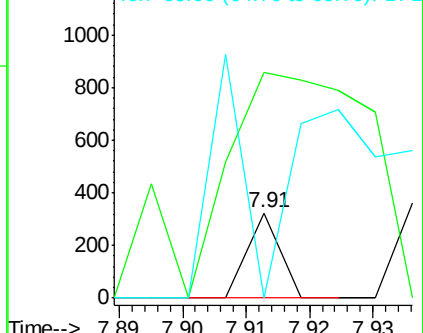
139 100

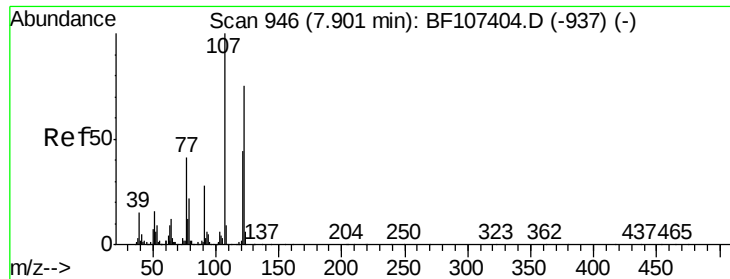
109 264.6 22.7 34.1#

65 0.0 40.5 60.7#



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 0.137 ng

RT: 7.92 min Scan# 949

Delta R.T. 0.02 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampled :

LS-SOIL-3

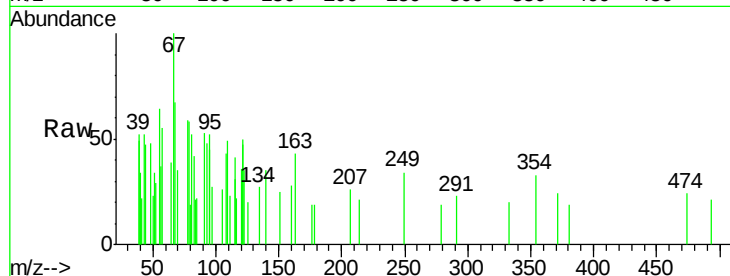
Tgt Ion: 122 Resp: 1048

Ion Ratio Lower Upper

122 100

107 0.0 91.2 136.8#

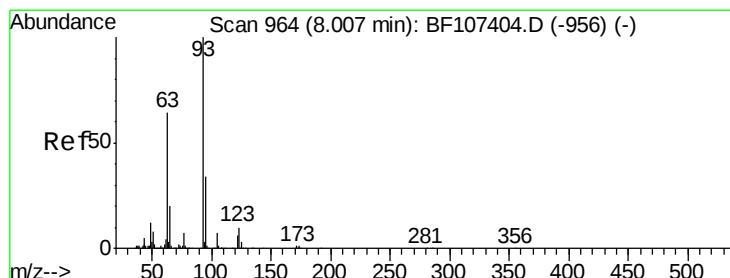
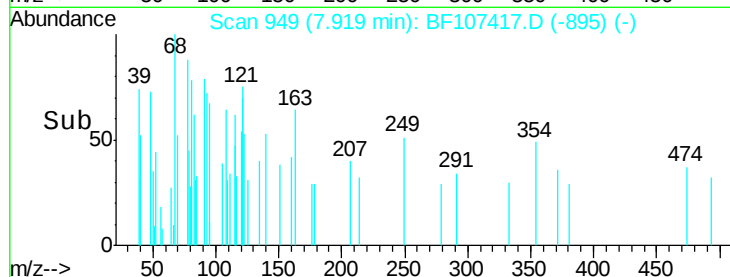
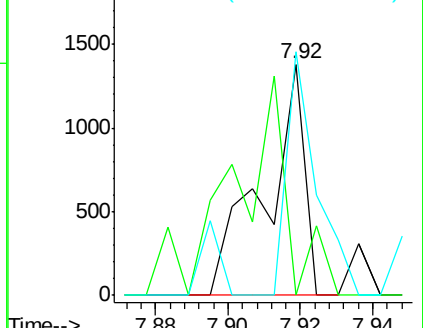
121 162.4 47.2 70.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 0.039 ng

RT: 7.99 min Scan# 961

Delta R.T. -0.02 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

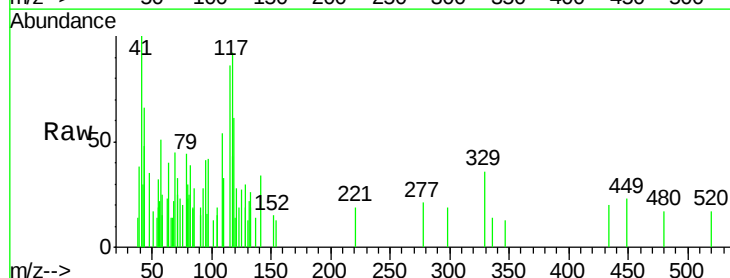
Tgt Ion: 93 Resp: 467

Ion Ratio Lower Upper

93 100

95 144.3 26.3 39.5#

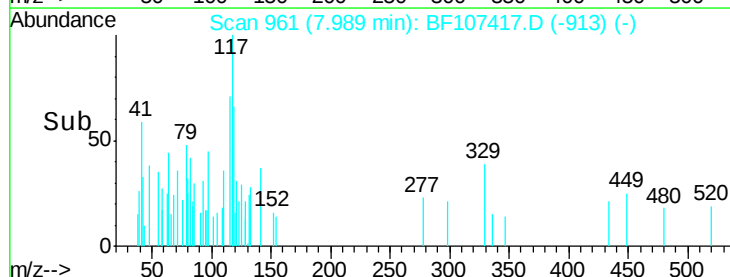
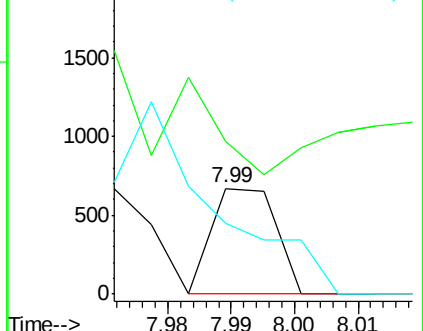
123 67.6 9.8 14.6#

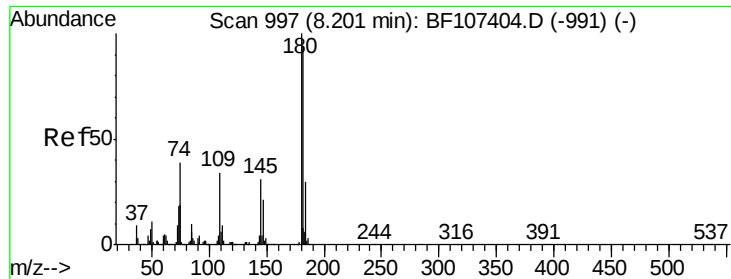


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#30

1,2,4-Trichlorobenzene

Concen: 0.015 ng

RT: 8.19 min Scan# 995

Delta R.T. -0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

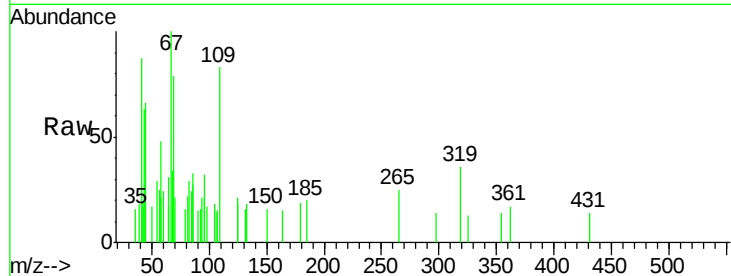
Tgt Ion:180 Resp: 148

Ion Ratio Lower Upper

180 100

182 0.0 76.8 115.2#

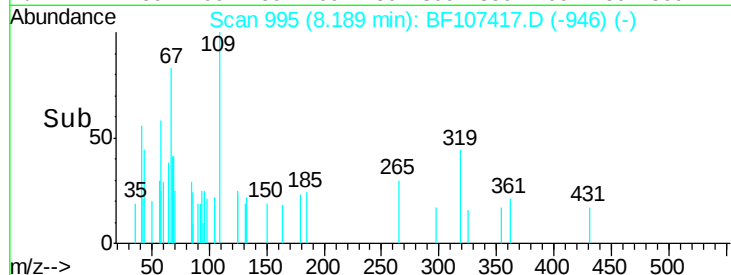
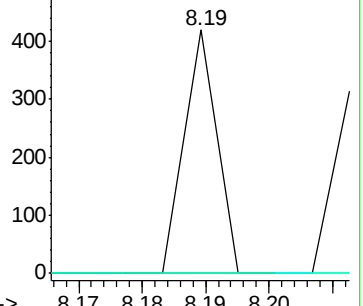
145 0.0 26.5 39.7#



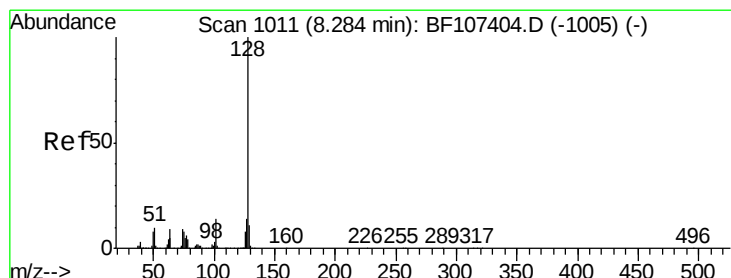
Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E



Time-->



#31

Naphthalene

Concen: 4.912 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

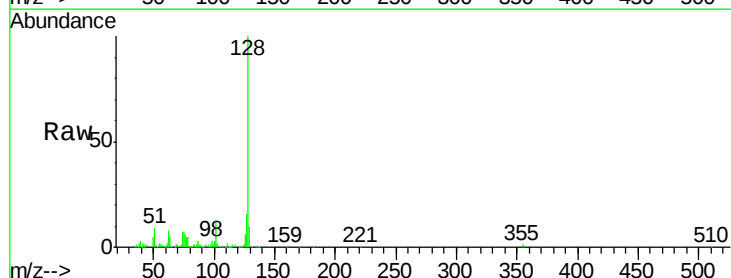
Tgt Ion:128 Resp: 121929

Ion Ratio Lower Upper

128 100

129 10.1 8.8 13.2

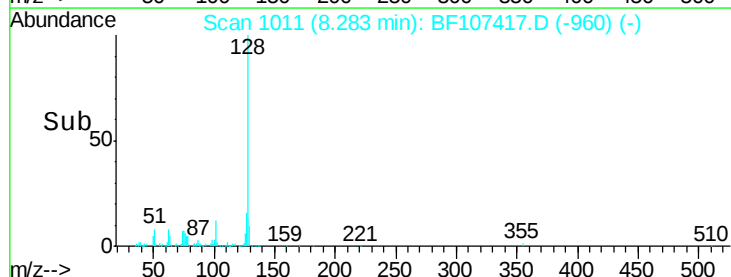
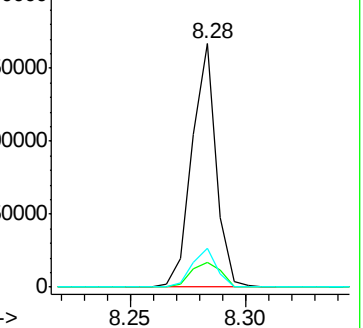
127 15.9 10.9 16.3

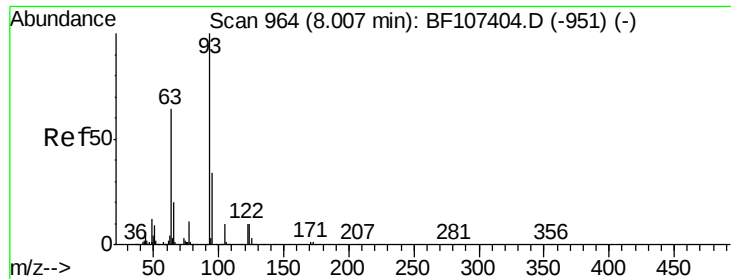


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

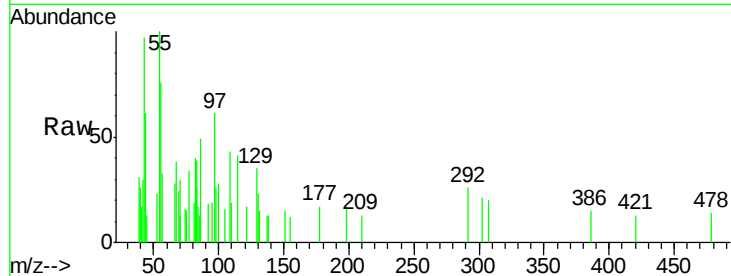




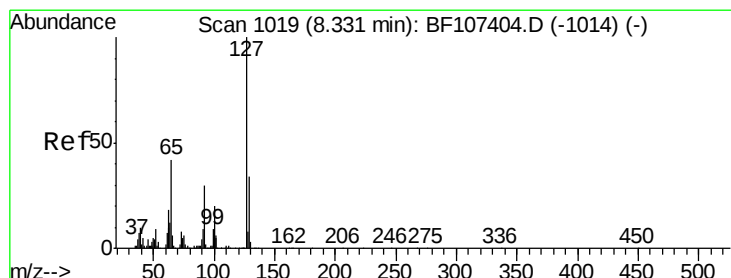
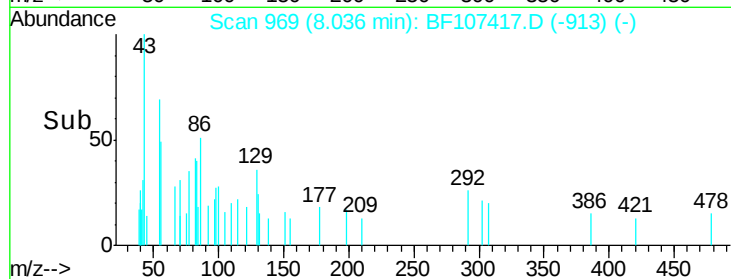
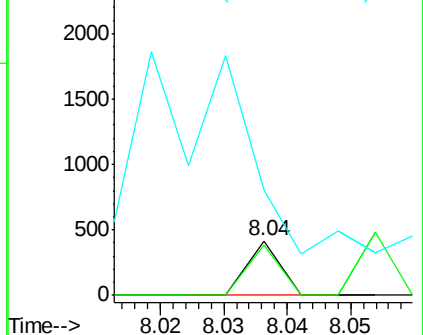
#32
Benzoic acid
Concen: 0.031 ng
RT: 8.04 min Scan# 969
Delta R.T. 0.03 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

Tgt Ion:122 Resp: 147
Ion Ratio Lower Upper
122 100
105 93.0 101.1 141.1#
77 194.7 70.7 110.7#

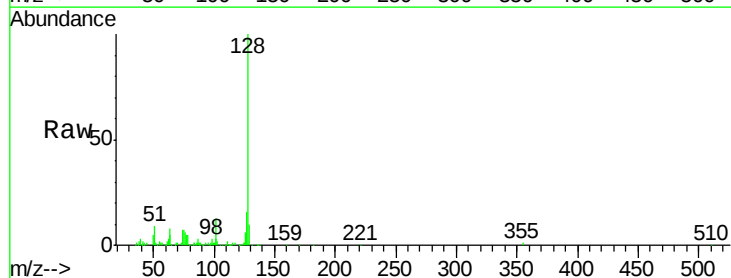


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

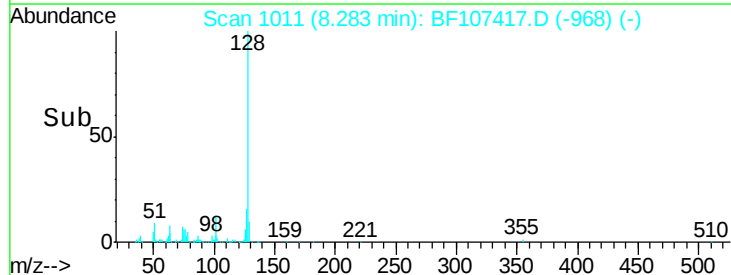
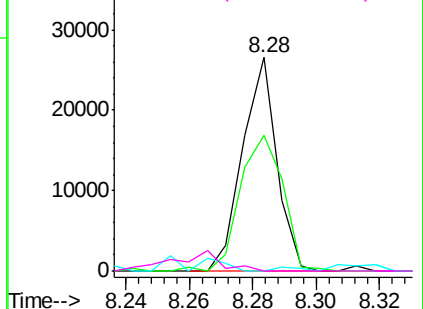


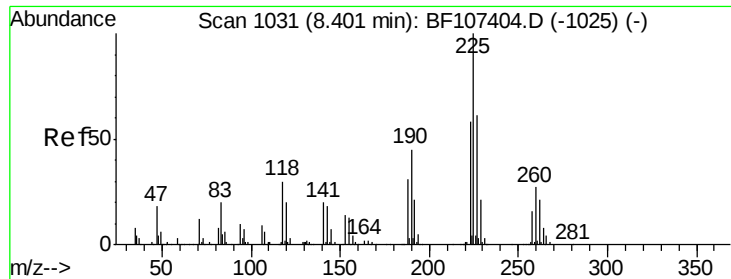
#33
4-Chloroaniline
Concen: 1.838 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.05 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Tgt Ion:127 Resp: 19760
Ion Ratio Lower Upper
127 100
129 63.7 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#



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): BF1
Ion 92.00 (91.70 to 92.70): BF1





#34

Hexachlorobutadiene

Concen: 0.018 ng

RT: 8.49 min Scan# 1046

Delta R.T. 0.09 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

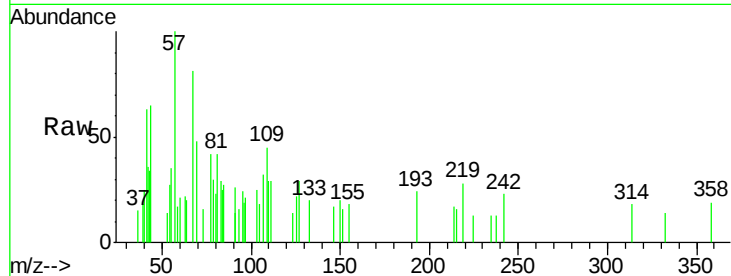
Tgt Ion: 225 Resp: 115

Ion Ratio Lower Upper

225 100

223 0.0 50.6 76.0#

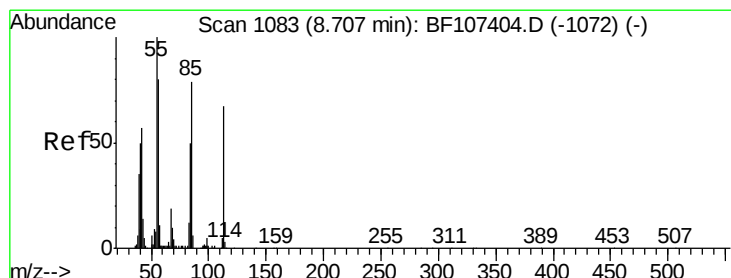
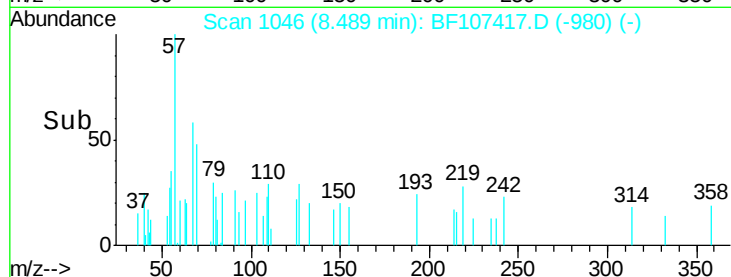
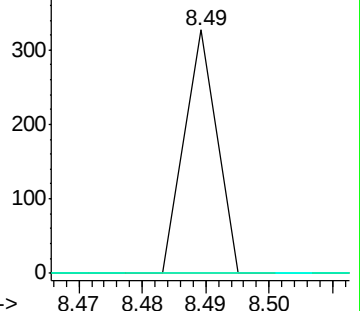
227 0.0 51.9 77.9#



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: 0.066 ng

RT: 8.70 min Scan# 1082

Delta R.T. -0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

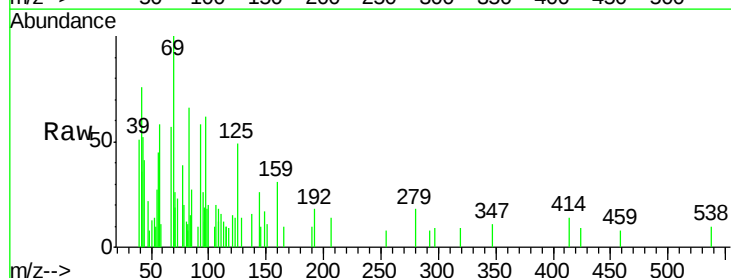
Tgt Ion: 113 Resp: 171

Ion Ratio Lower Upper

113 100

55 219.0 163.3 203.3#

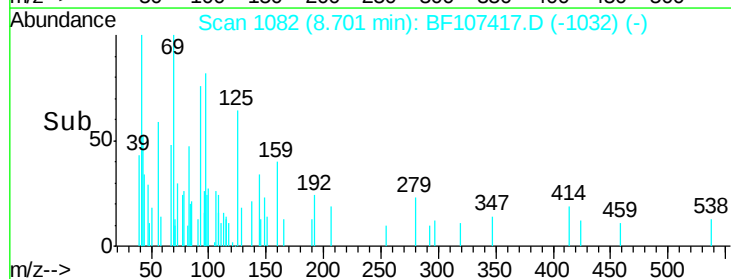
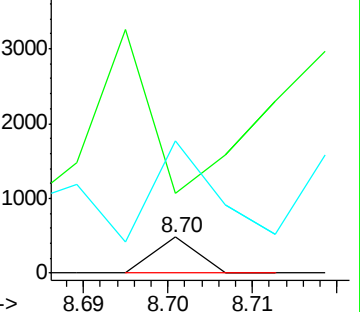
56 364.0 115.7 155.7#

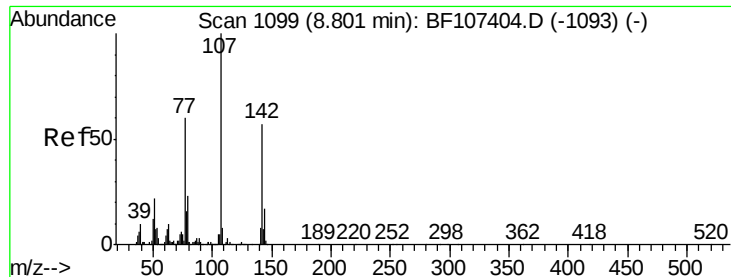


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1

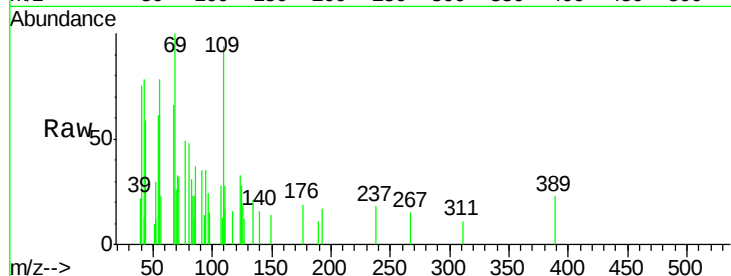




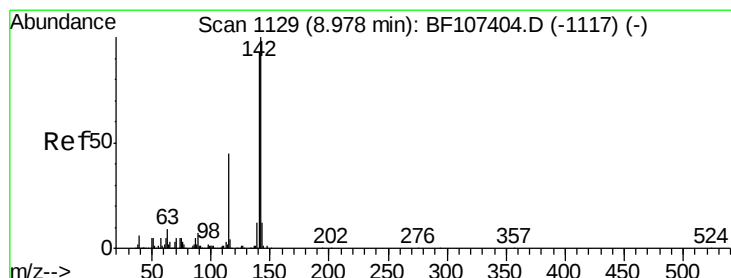
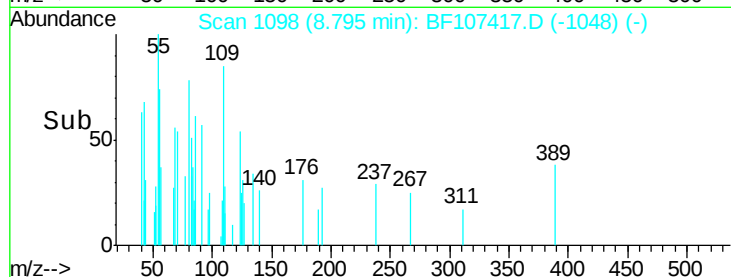
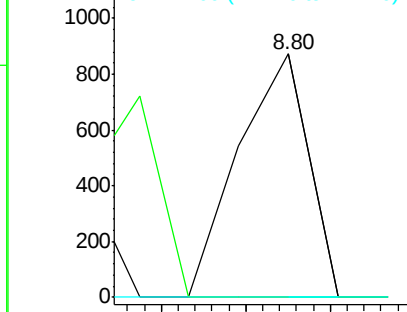
#36
 4-Chloro-3-methylphenol
 Concen: 0.048 ng
 RT: 8.80 min Scan# 1098
 Delta R.T. -0.01 min
 Lab File: BF107417.D
 Acq: 16 Jul 2018 22:01

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-3

Tgt Ion	Ratio	Lower	Upper
107	100		
144	0.0	20.5	30.7#
142	0.0	62.0	93.0#

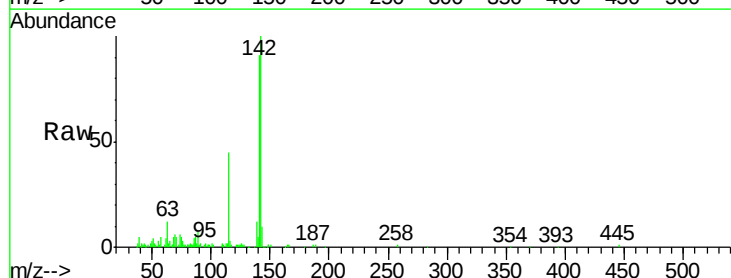


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

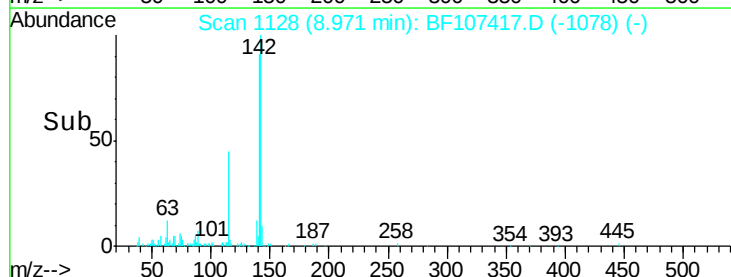
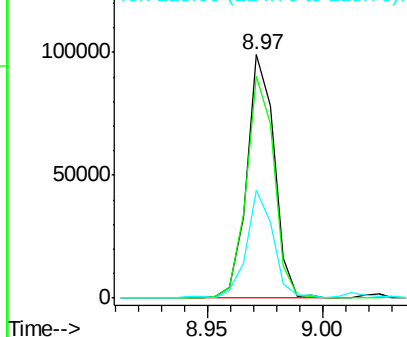


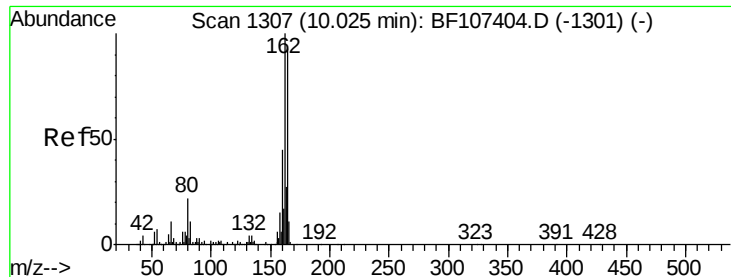
#37
 2-Methylnaphthalene
 Concen: 5.034 ng
 RT: 8.97 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF107417.D
 Acq: 16 Jul 2018 22:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.3	70.8	106.2
115	44.5	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

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

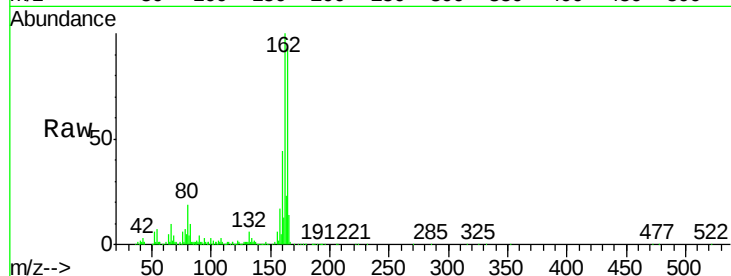
Tgt Ion:164 Resp: 245958

Ion Ratio Lower Upper

164 100

162 107.9 86.1 129.1

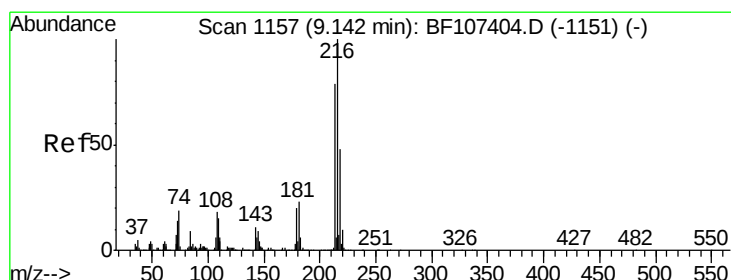
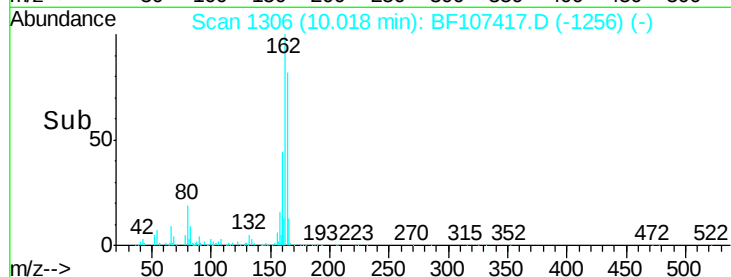
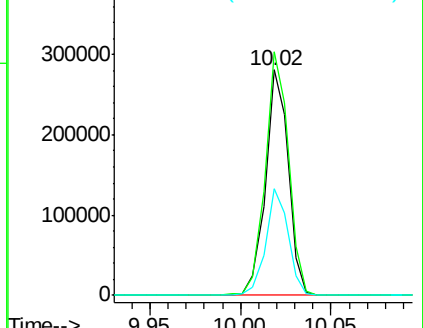
160 47.4 38.3 57.5



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



#39

1,2,4,5-Tetrachlorobenzene

Concen: 0.055 ng

RT: 9.32 min Scan# 1187

Delta R.T. 0.18 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Tgt Ion:216 Resp: 530

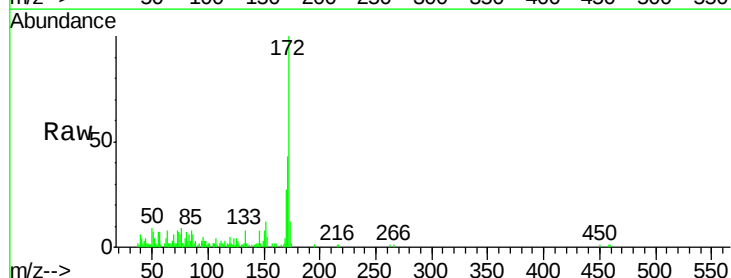
Ion Ratio Lower Upper

216 100

214 0.0 63.0 94.4#

179 296.4 18.1 27.1#

108 0.0 17.2 25.8#

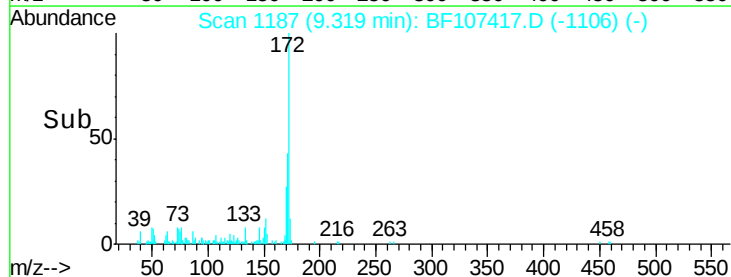
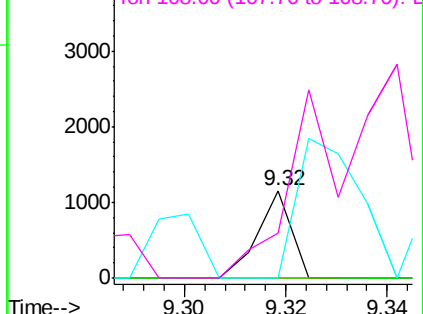


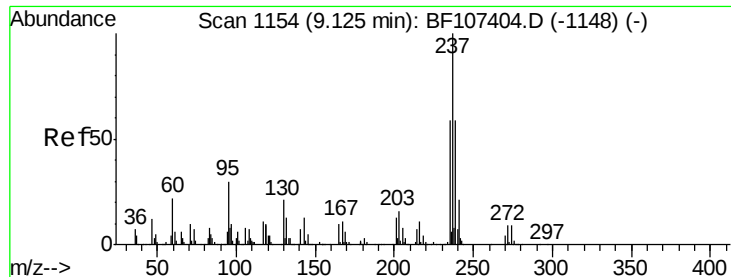
Abundance Ion 216.00 (215.70 to 216.70): E

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

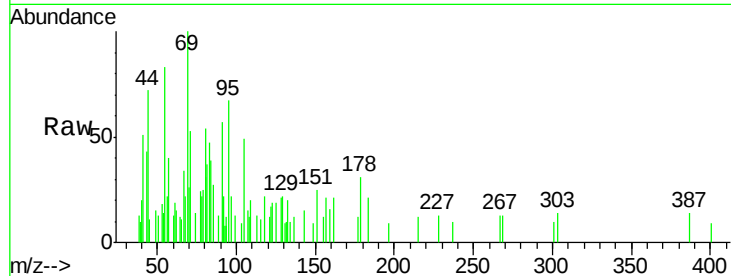




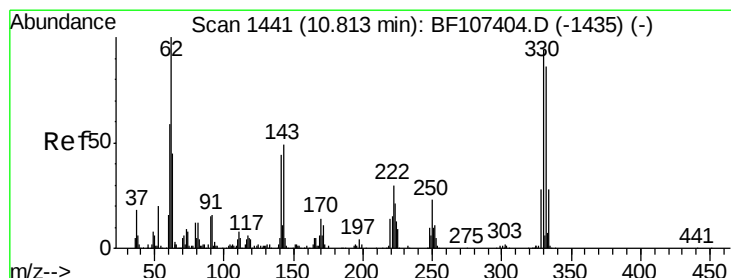
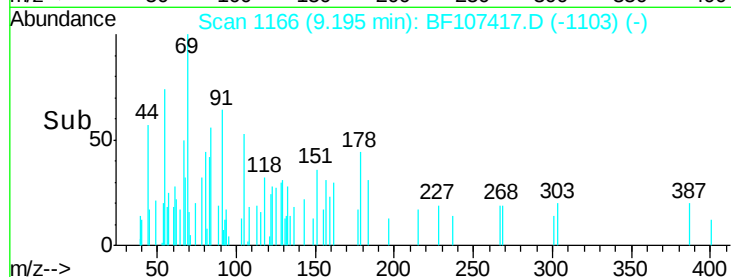
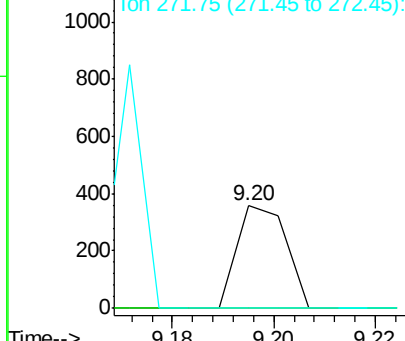
#40
Hexachlorocyclopentadiene
Concen: 0.048 ng
RT: 9.20 min Scan# 1166
Delta R.T. 0.07 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

Tgt Ion: 237 Resp: 240
Ion Ratio Lower Upper
237 100
235 0.0 44.8 84.8#
272 0.0 0.0 33.3

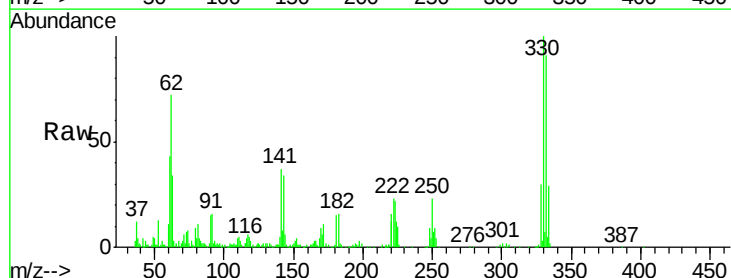


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

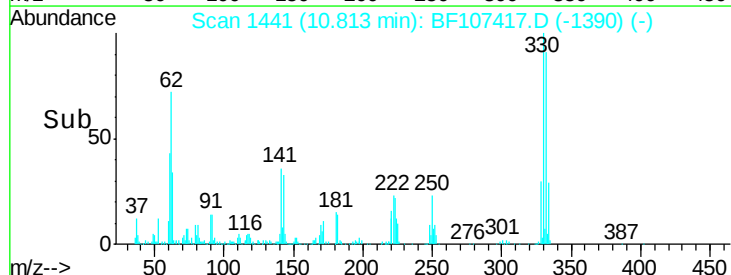
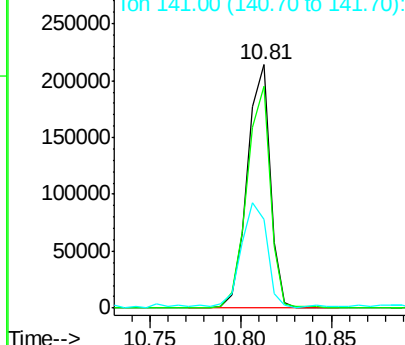


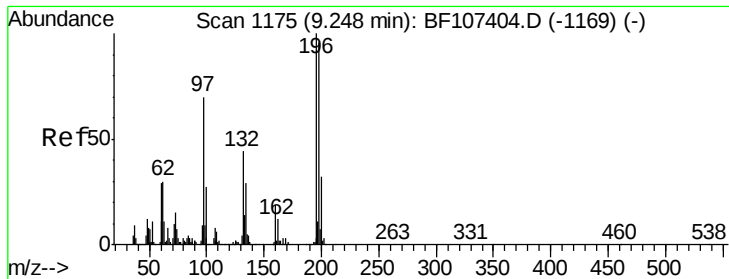
#41
2,4,6-Tribromophenol
Concen: 87.236 ng
RT: 10.81 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Tgt Ion: 330 Resp: 188519
Ion Ratio Lower Upper
330 100
332 93.7 77.0 115.6
141 47.8 29.9 44.9#



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





#42

2,4,6-Trichlorophenol

Concen: 0.027 ng

RT: 9.27 min Scan# 1178

Delta R.T. 0.02 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

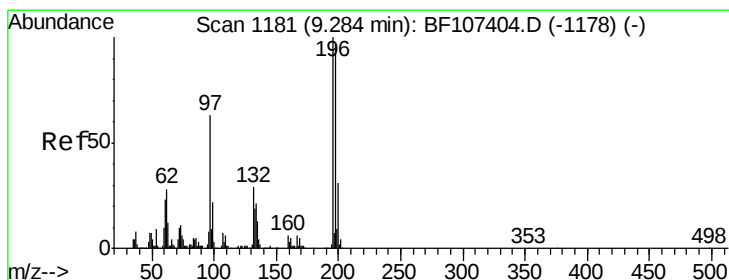
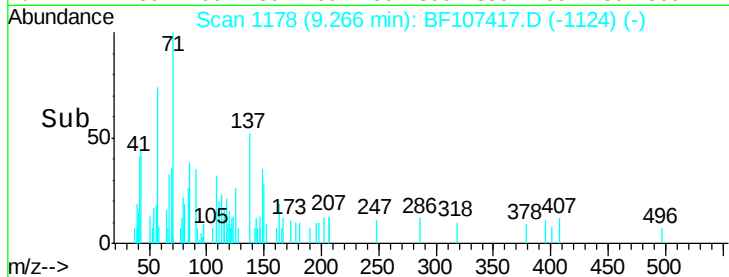
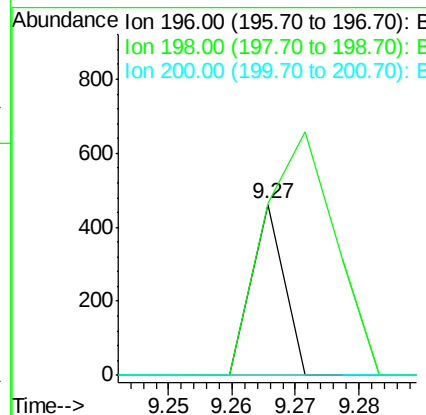
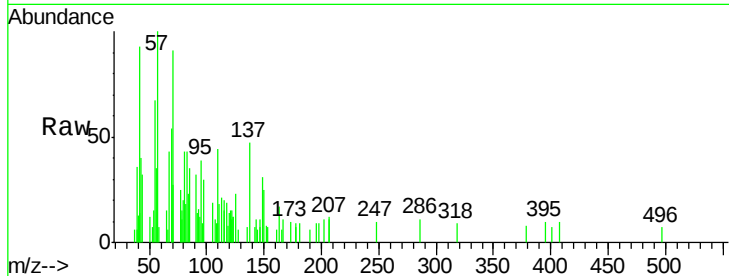
BNA_F

ClientSampleId :

LS-SOIL-3

Tgt Ion:196 Resp: 163

Ion	Ratio	Lower	Upper
196	100		
198	100.9	75.7	113.5
200	0.0	24.5	36.7#



#43

2,4,5-Trichlorophenol

Concen: 0.029 ng

RT: 9.27 min Scan# 1178

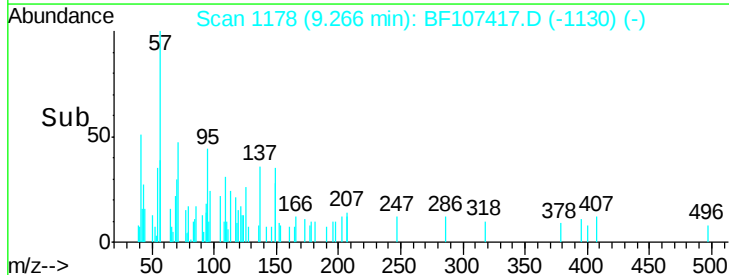
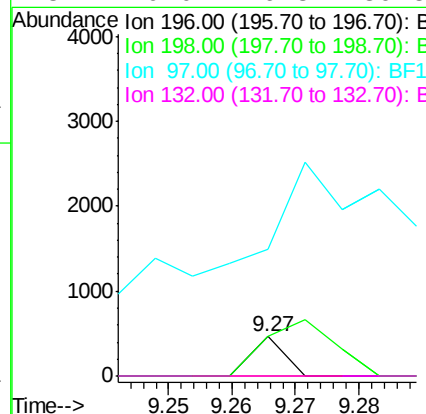
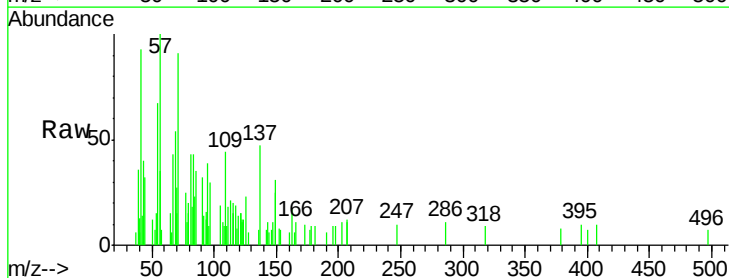
Delta R.T. -0.02 min

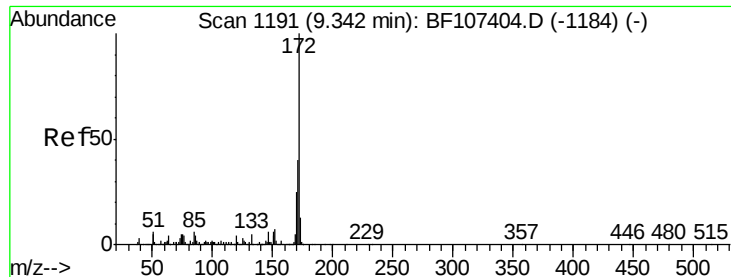
Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Tgt Ion:196 Resp: 163

Ion	Ratio	Lower	Upper
196	100		
198	100.9	74.6	112.0
97	324.9	42.9	64.3#
132	0.0	26.3	39.5#

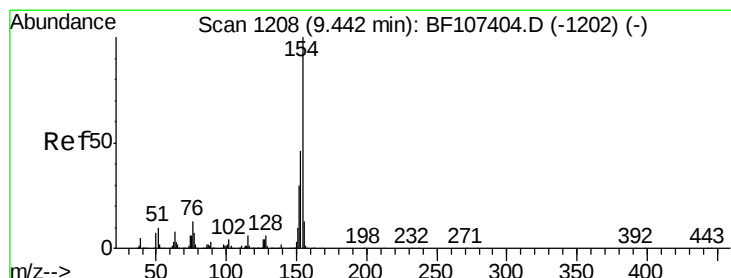
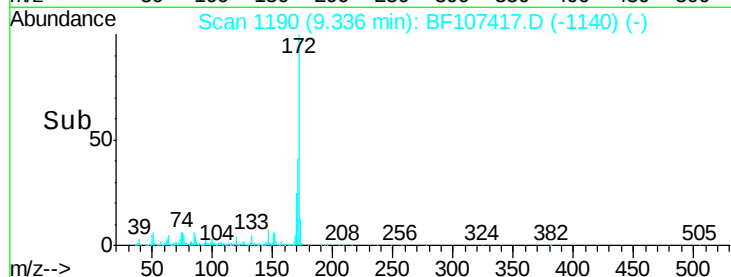
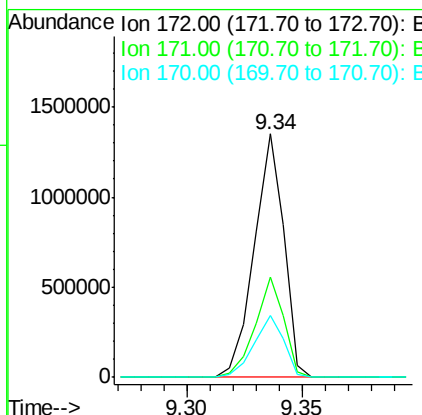
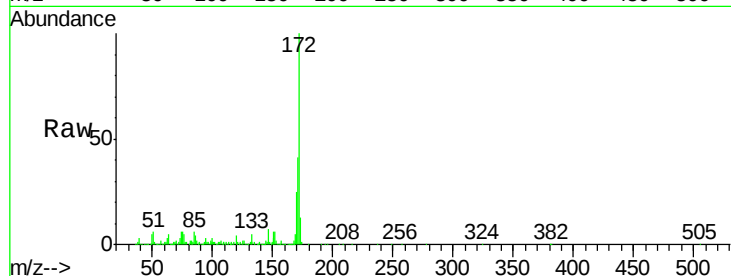




#44
2-Fluorobiphenyl
Concen: 81.692 ng
RT: 9.34 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

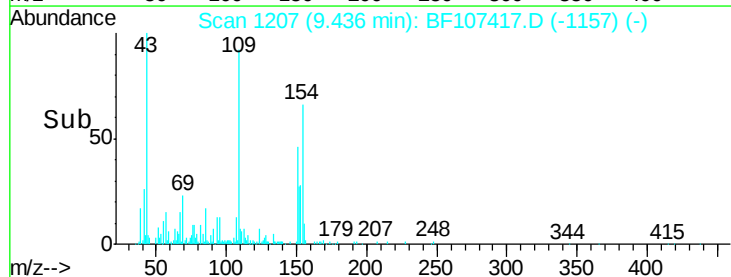
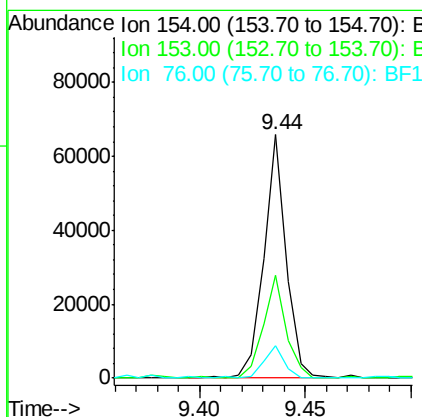
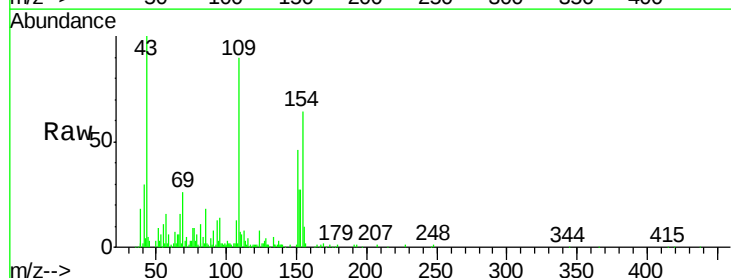
Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

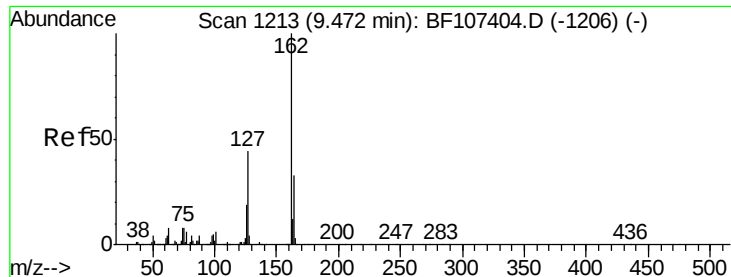
Tgt Ion:172 Resp: 1211310
Ion Ratio Lower Upper
172 100
171 41.4 29.7 44.5
170 25.4 19.6 29.4



#45
1,1'-Biphenyl
Concen: 2.271 ng
RT: 9.44 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Tgt Ion:154 Resp: 48288
Ion Ratio Lower Upper
154 100
153 42.5 21.3 61.3
76 13.4 0.0 34.0

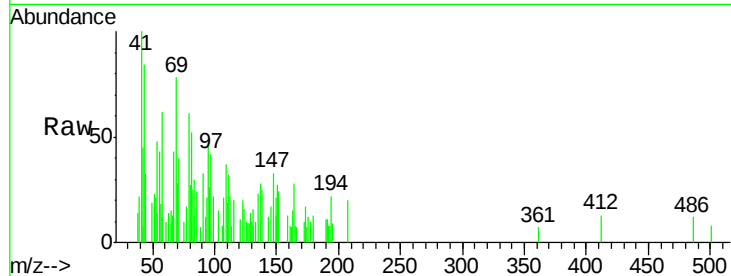




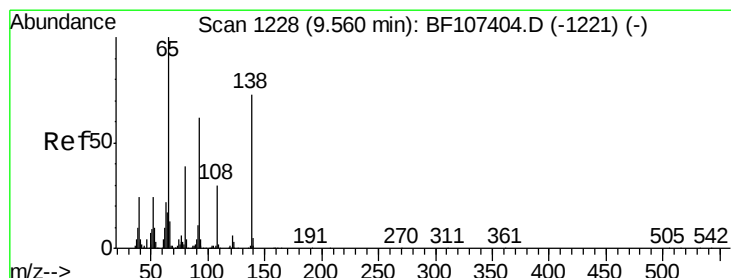
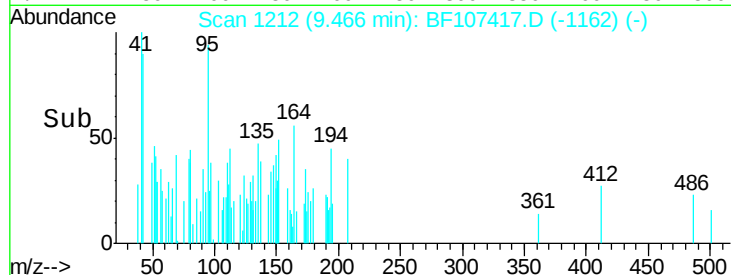
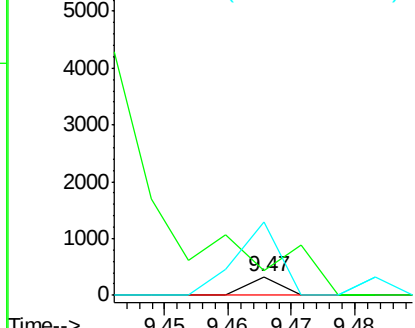
#46
2-Chloronaphthalene
Concen: 0.007 ng
RT: 9.47 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

Tgt Ion: 162 Resp: 115
Ion Ratio Lower Upper
162 100
127 133.2 33.9 50.9#
164 399.7 26.5 39.7#

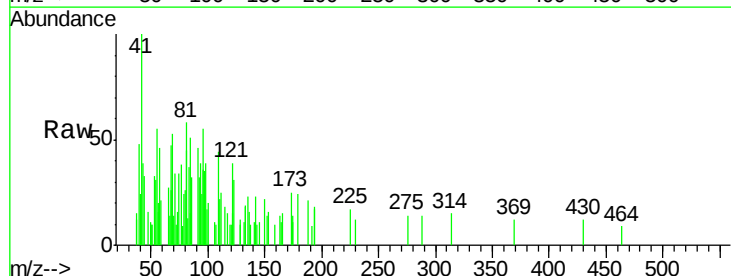


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

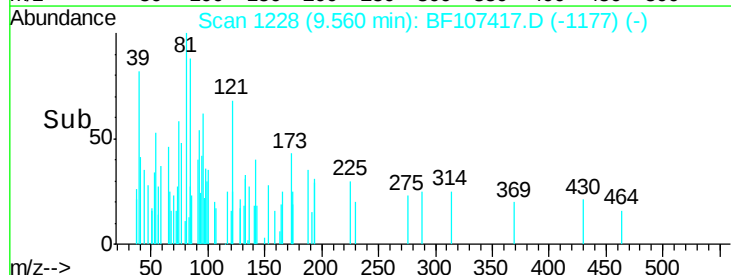
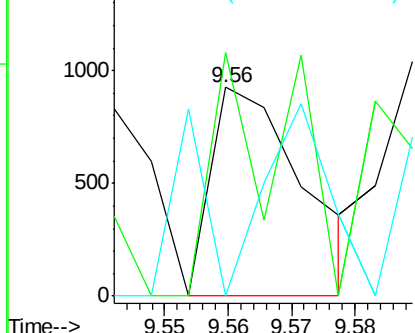


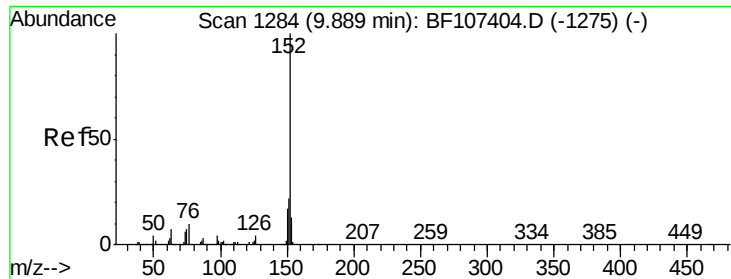
#47
2-Nitroaniline
Concen: 0.179 ng
RT: 9.56 min Scan# 1228
Delta R.T. -0.00 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Tgt Ion: 65 Resp: 920
Ion Ratio Lower Upper
65 100
92 116.6 55.8 83.6#
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 0.552 ng

RT: 9.88 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

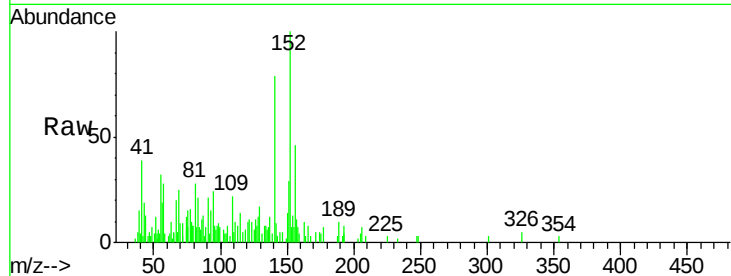
Tgt Ion:152 Resp: 12939

Ion Ratio Lower Upper

152 100

151 29.4 16.3 24.5#

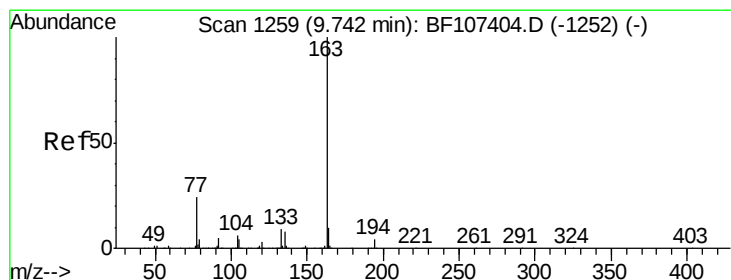
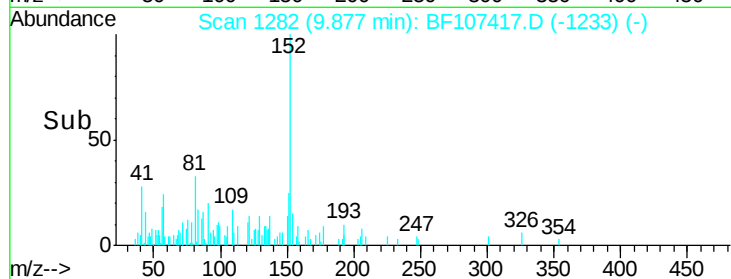
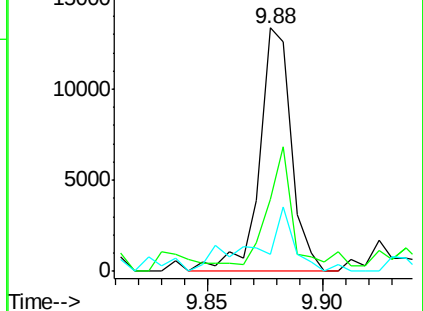
153 6.8 10.7 16.1#



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



#49

Dimethylphthalate

Concen: 14.651 ng

RT: 9.73 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

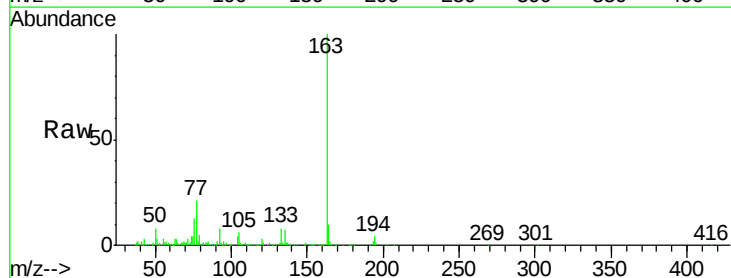
Tgt Ion:163 Resp: 286304

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

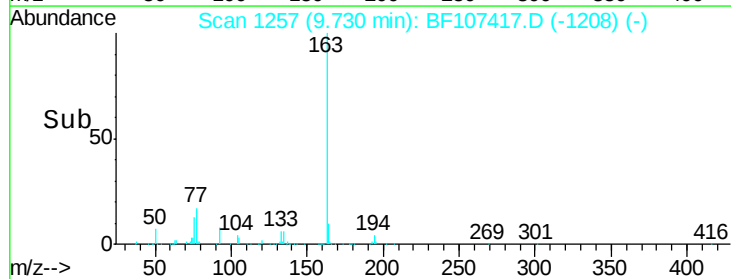
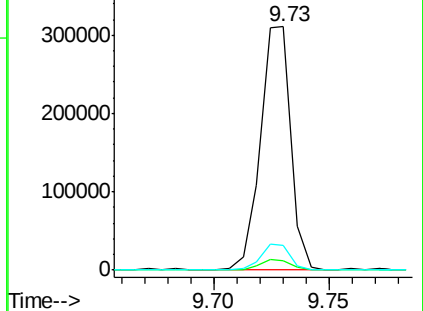
164 10.2 8.2 12.2

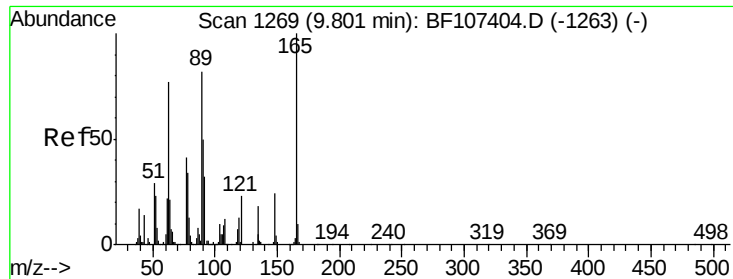


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

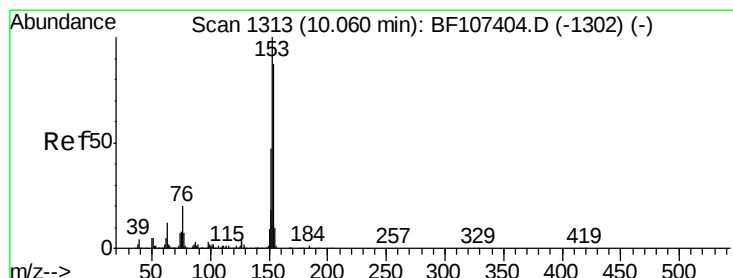
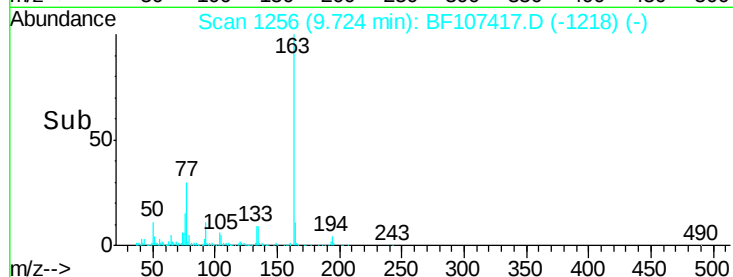
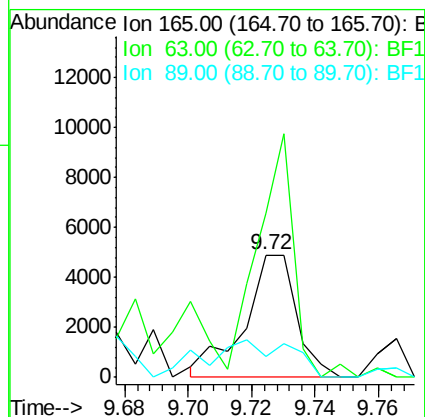
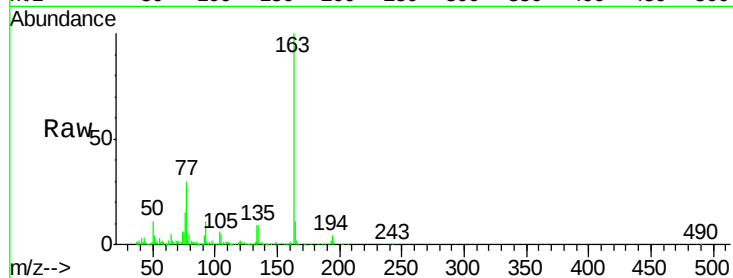




#50
2,6-Dinitrotoluene
Concen: 1.508 ng
RT: 9.72 min Scan# 1256
Delta R.T. -0.08 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

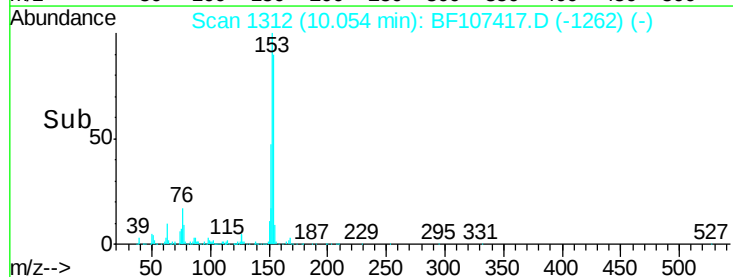
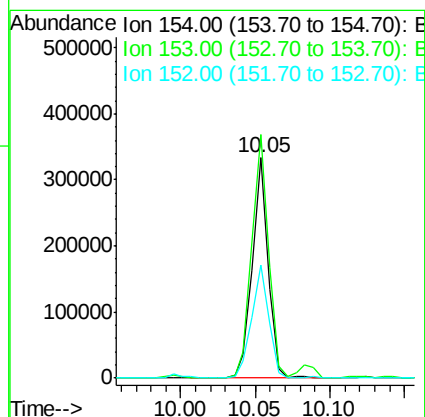
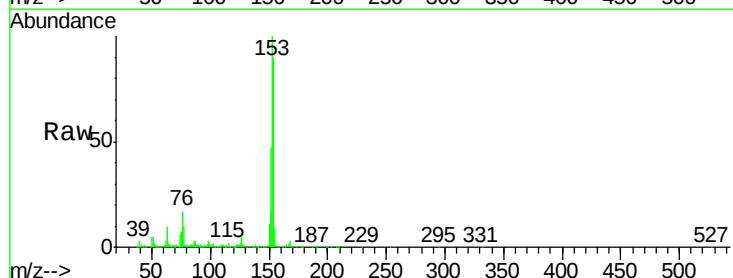
Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

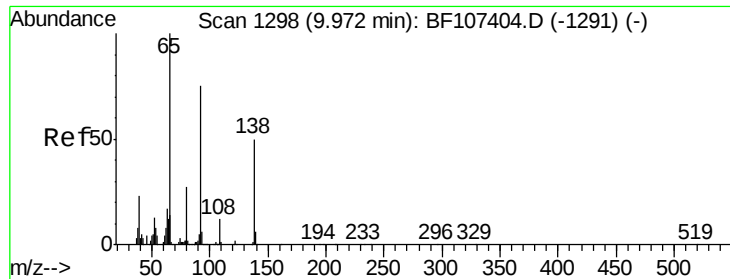
Tgt Ion:165 Resp: 5622
Ion Ratio Lower Upper
165 100
63 134.2 44.7 67.1#
89 16.9 44.0 66.0#



#51
Acenaphthene
Concen: 15.910 ng
RT: 10.05 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Tgt Ion:154 Resp: 247226
Ion Ratio Lower Upper
154 100
153 110.5 91.2 136.8
152 51.5 43.8 65.8

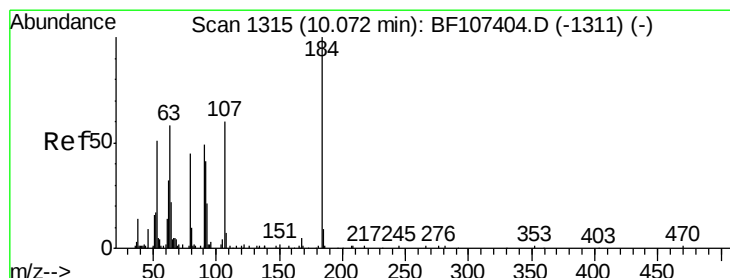
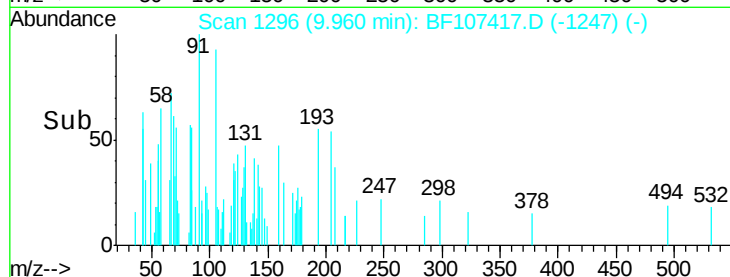
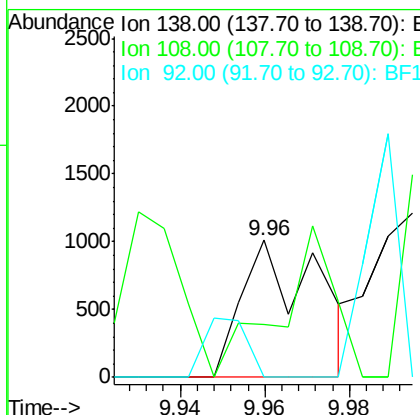
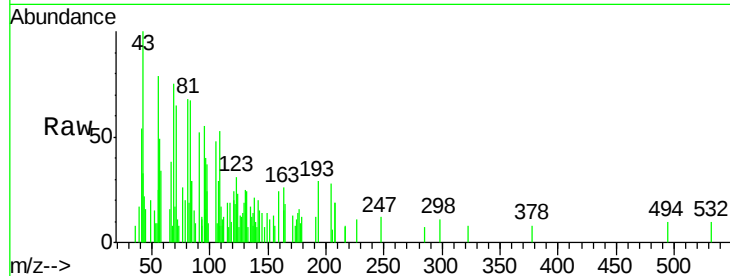




#52
3-Nitroaniline
Concen: 0.314 ng
RT: 9.96 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

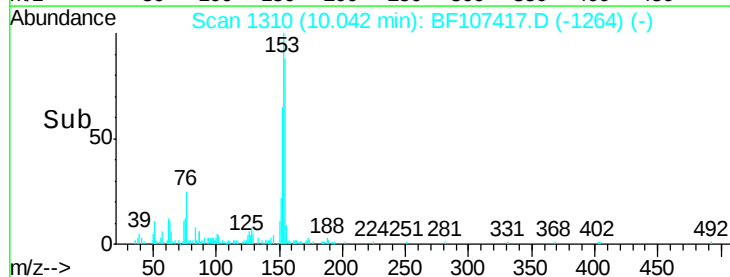
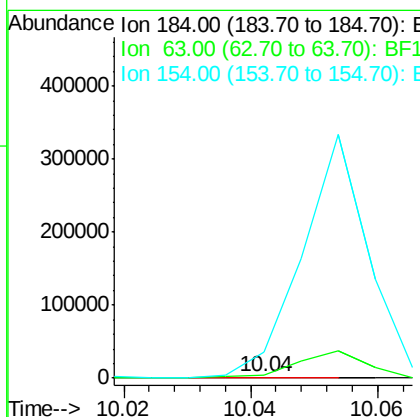
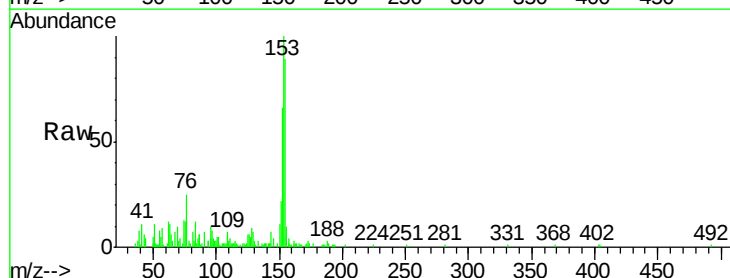
Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

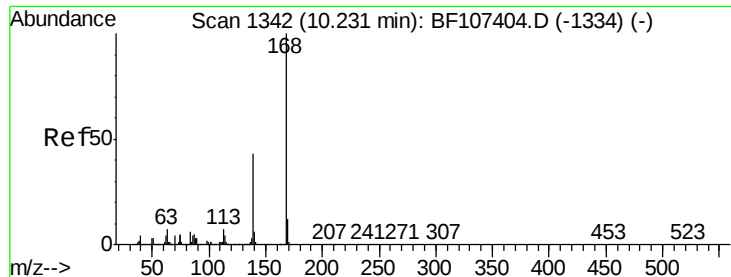
Tgt Ion:138 Resp: 1230
Ion Ratio Lower Upper
138 100
108 38.1 9.4 14.0#
92 36.2 89.4 134.2#



#53
2,4-Dinitrophenol
Concen: 2.462 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.03 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Tgt Ion:184 Resp: 192
Ion Ratio Lower Upper
184 100
63 819.5 54.2 81.2#
154 6510.3 184.0 276.0#

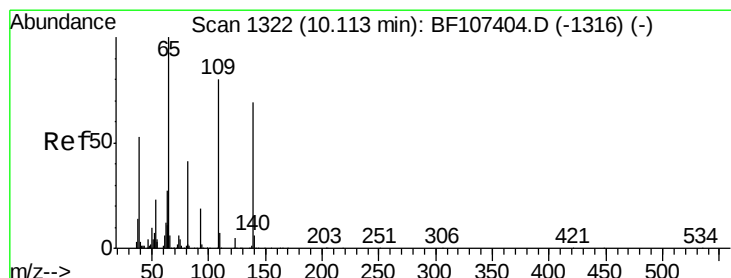
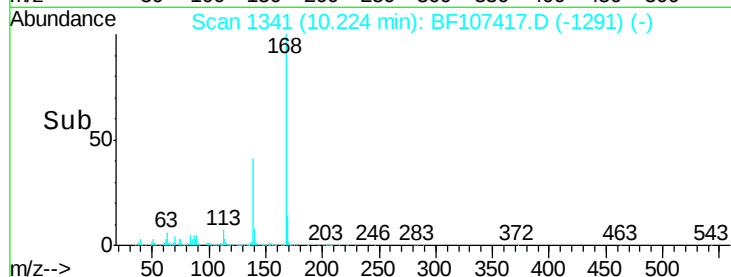
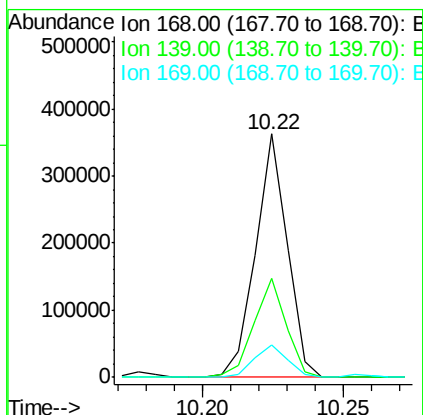
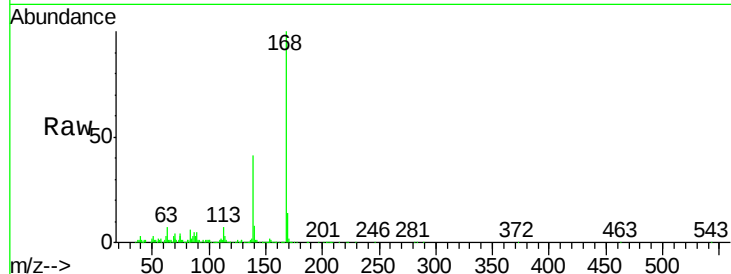




#54
Dibenzenofuran
Concen: 11.782 ng
RT: 10.22 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

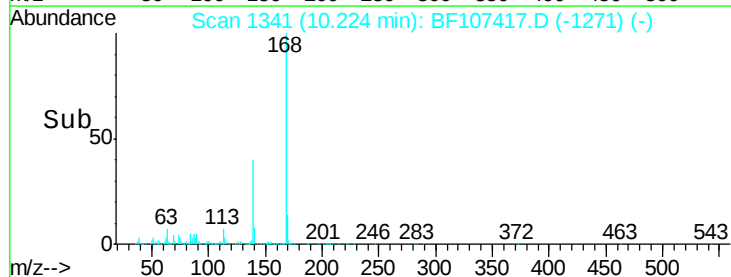
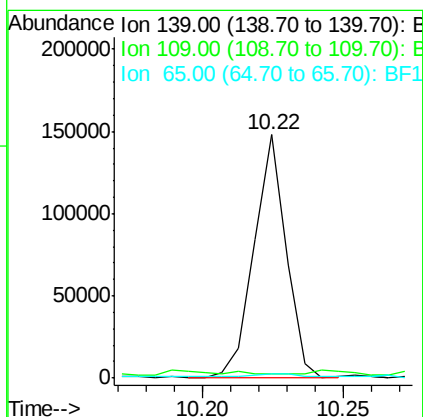
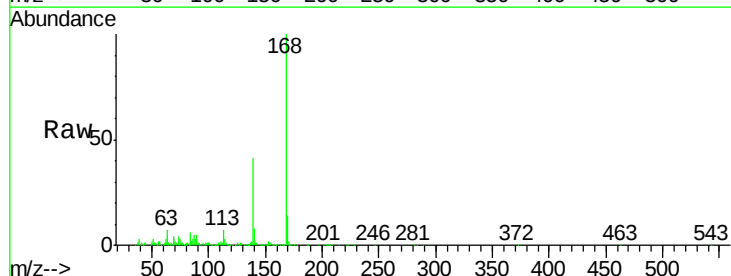
Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

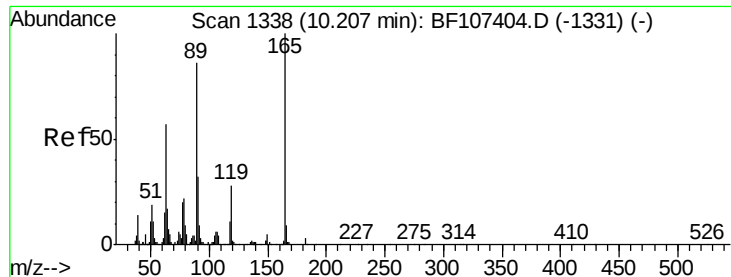
Tgt Ion	Resp	Lower	Upper
168	282912		
139	40.8	30.1	45.1
169	13.6	10.9	16.3



#55
4-Nitrophenol
Concen: 37.132 ng
RT: 10.22 min Scan# 1341
Delta R.T. 0.11 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Tgt Ion	Resp	Lower	Upper
139	117688		
109	1.8	48.4	88.4#
65	1.7	72.6	112.6#

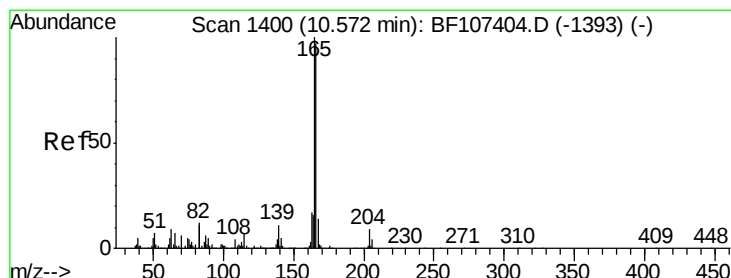
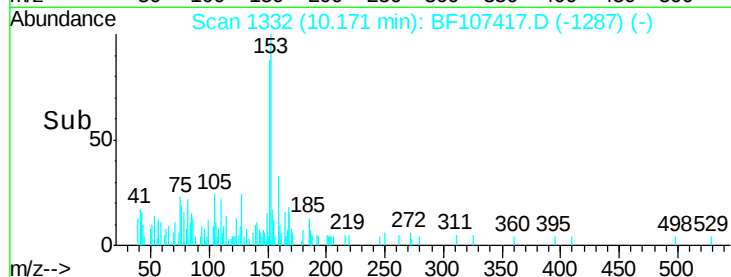
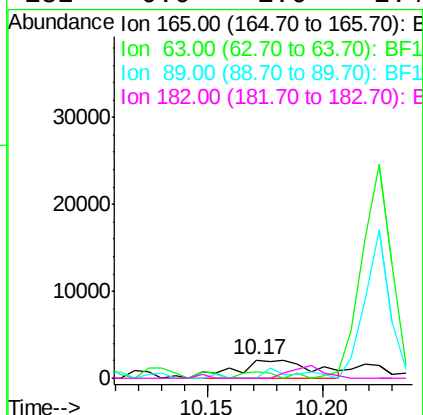
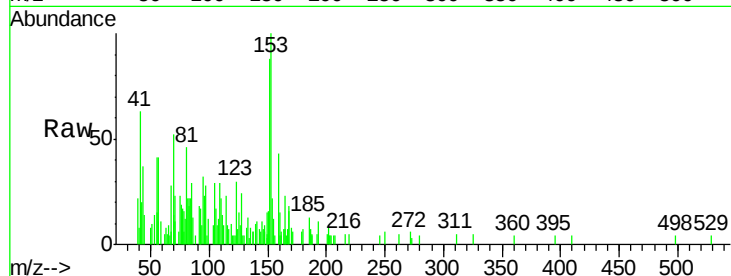




#56
2,4-Dinitrotoluene
Concen: 0.997 ng
RT: 10.17 min Scan# 1332
Delta R.T. -0.04 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

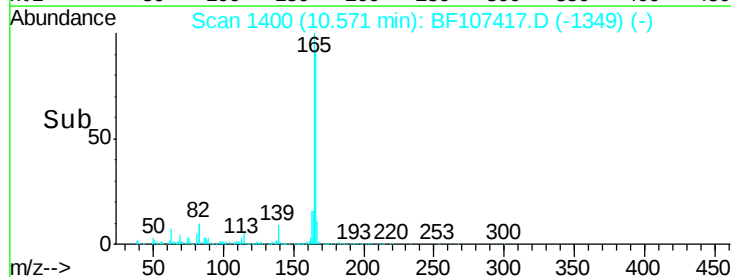
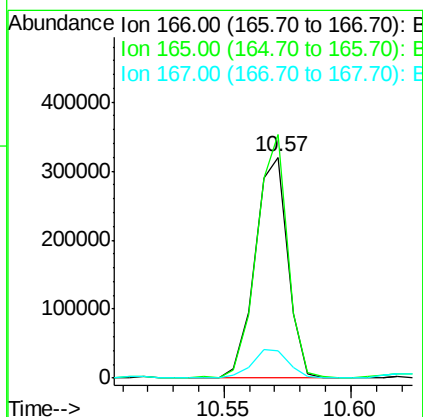
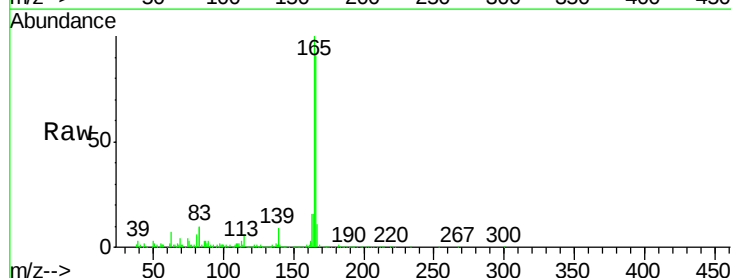
Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

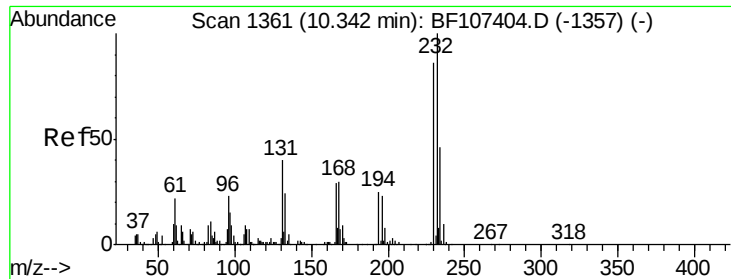
Tgt Ion:165 Resp: 4848
Ion Ratio Lower Upper
165 100
63 58.3 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#



#57
Fluorene
Concen: 18.115 ng
RT: 10.57 min Scan# 1400
Delta R.T. -0.00 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Tgt Ion:166 Resp: 288085
Ion Ratio Lower Upper
166 100
165 110.2 79.8 119.8
167 12.3 10.6 16.0

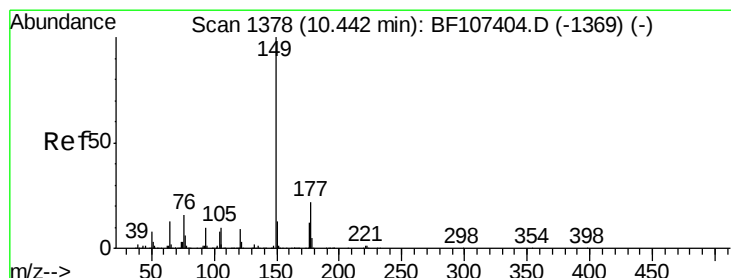
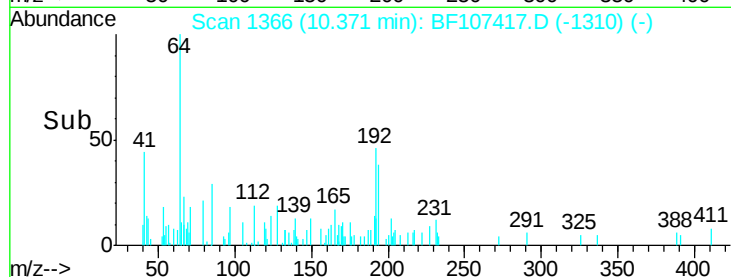
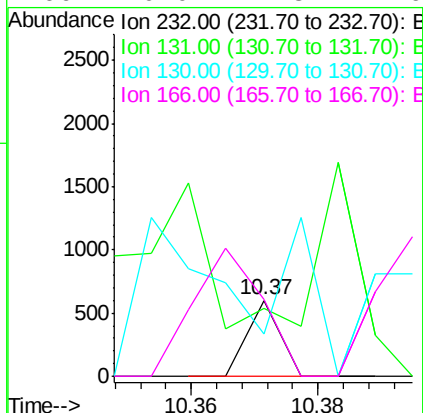
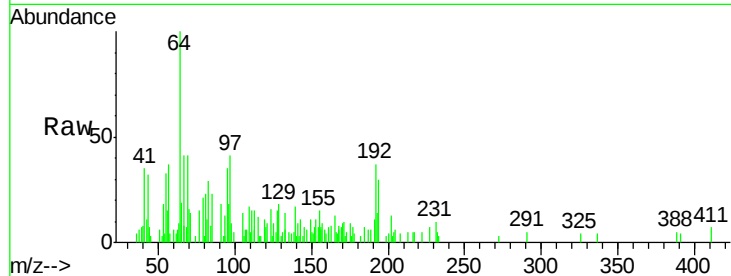




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 0.038 ng
 RT: 10.37 min Scan# 1366
 Delta R.T. 0.03 min
 Lab File: BF107417.D
 Acq: 16 Jul 2018 22:01

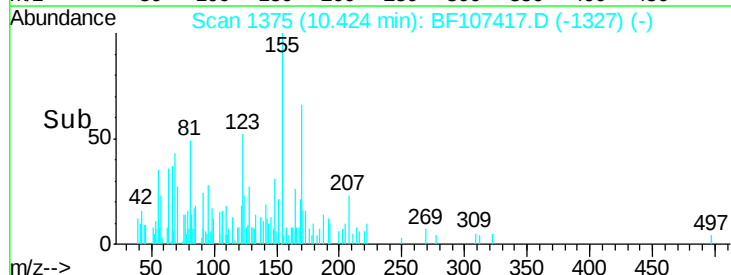
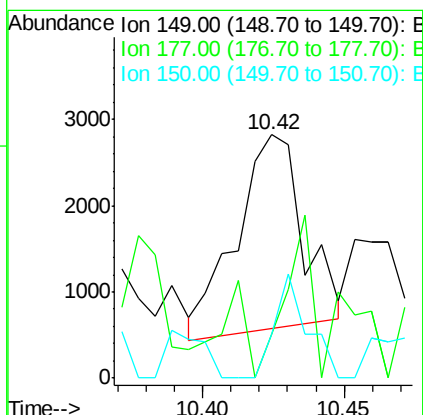
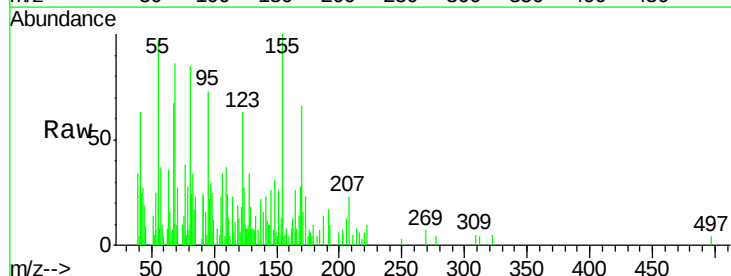
Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-3

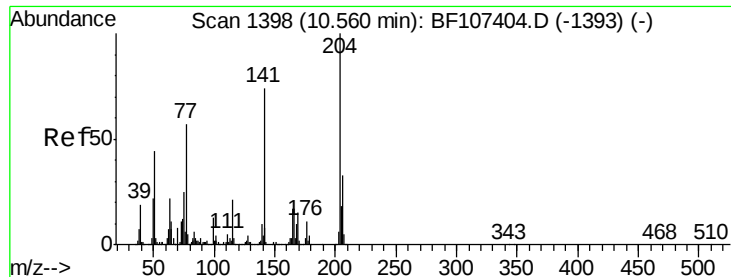
Tgt Ion: 232 Resp: 212
 Ion Ratio Lower Upper
 232 100
 131 335.4 43.8 65.8#
 130 0.0 2.1 3.1#
 166 0.0 27.8 41.6#



#59
 Diethylphthalate
 Concen: 0.196 ng
 RT: 10.42 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: BF107417.D
 Acq: 16 Jul 2018 22:01

Tgt Ion: 149 Resp: 3714
 Ion Ratio Lower Upper
 149 100
 177 18.3 16.1 24.1
 150 18.1 10.1 15.1#

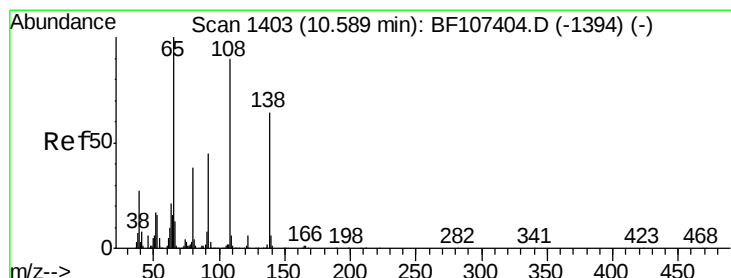
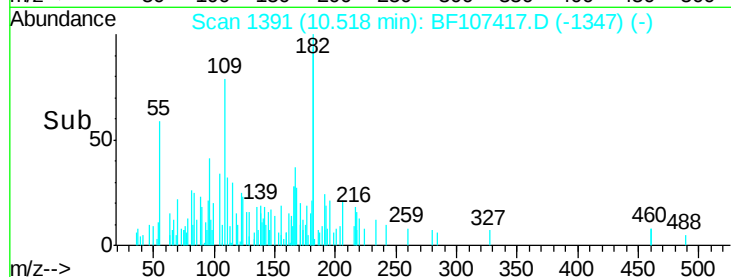
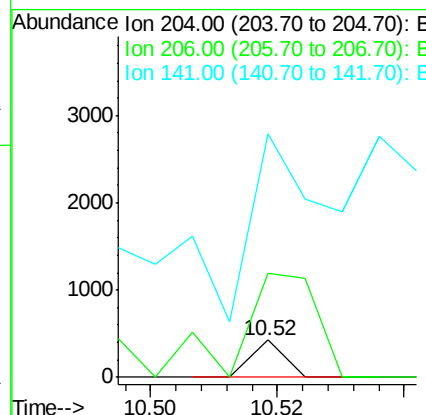
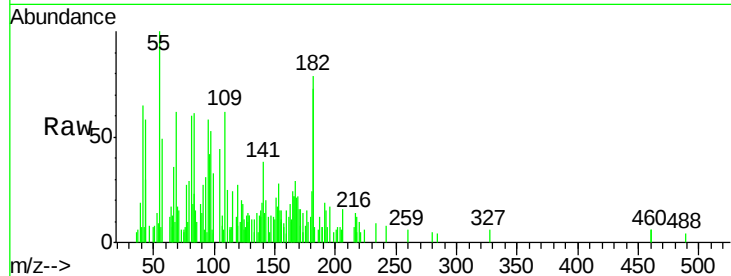




#60
4-Chlorophenyl-phenylether
Concen: 0.016 ng
RT: 10.52 min Scan# 1391
Delta R.T. -0.04 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

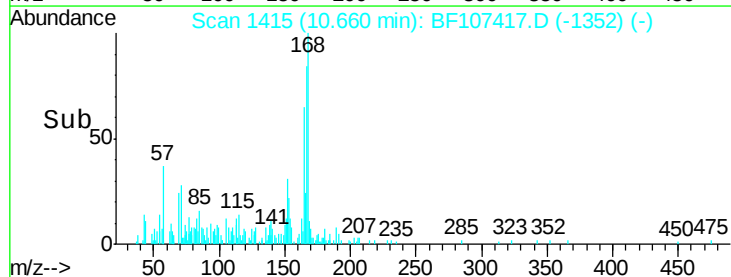
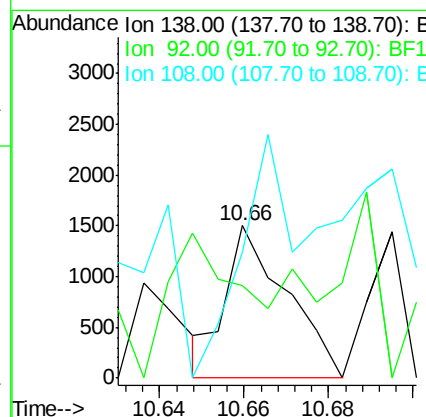
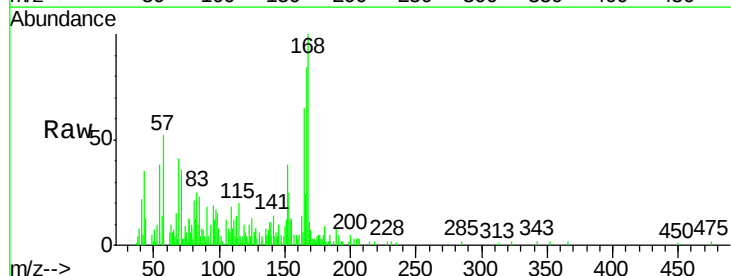
Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

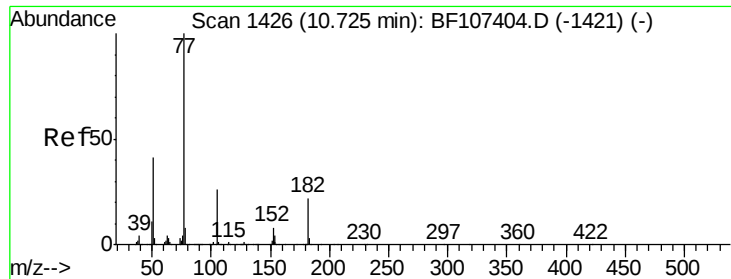
Tgt Ion: 204 Resp: 150
Ion Ratio Lower Upper
204 100
206 279.8 26.5 39.7#
141 654.9 54.6 81.8#



#61
4-Nitroaniline
Concen: 0.402 ng
RT: 10.66 min Scan# 1415
Delta R.T. 0.07 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Tgt Ion: 138 Resp: 1498
Ion Ratio Lower Upper
138 100
92 60.6 30.2 70.2
108 82.8 52.5 92.5

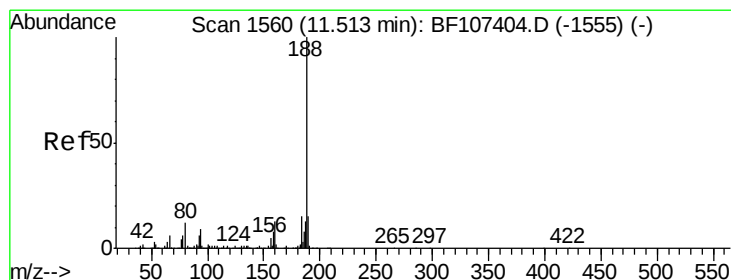
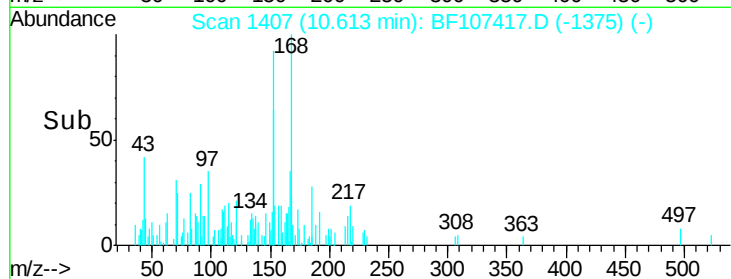
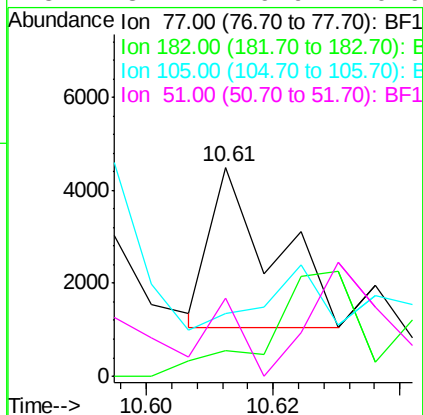
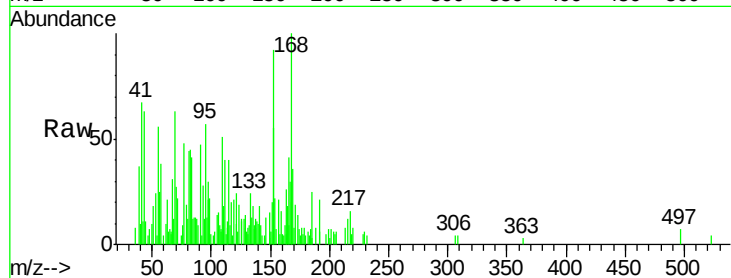




#62
Azobenzene
Concen: 0.106 ng
RT: 10.61 min Scan# 1407
Delta R.T. -0.11 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

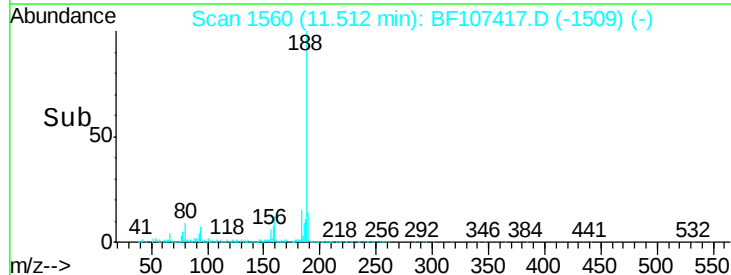
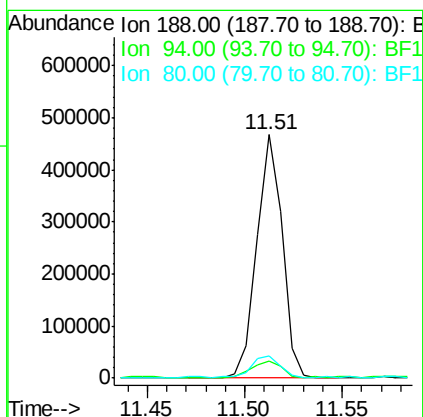
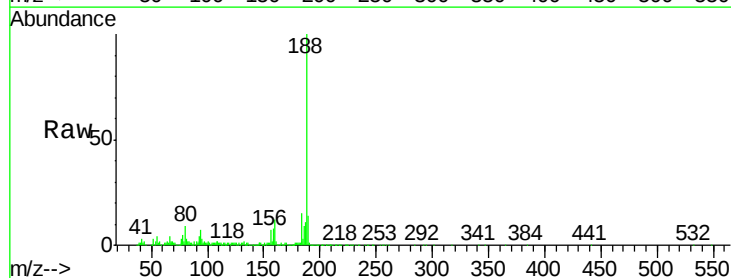
Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

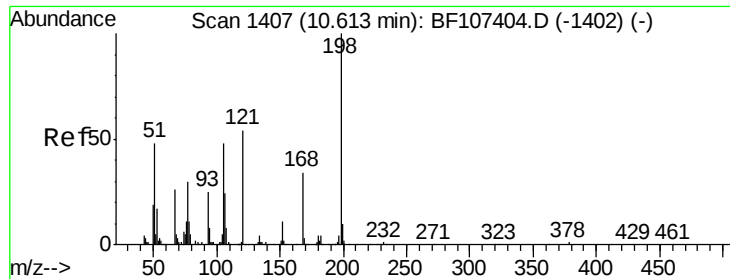
Tgt Ion: 77 Resp: 2366
Ion Ratio Lower Upper
77 100
182 12.4 1.7 41.7
105 30.3 3.0 43.0
51 37.2 9.9 49.9



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Tgt Ion: 188 Resp: 425738
Ion Ratio Lower Upper
188 100
94 7.2 8.5 12.7#
80 9.3 9.2 13.8

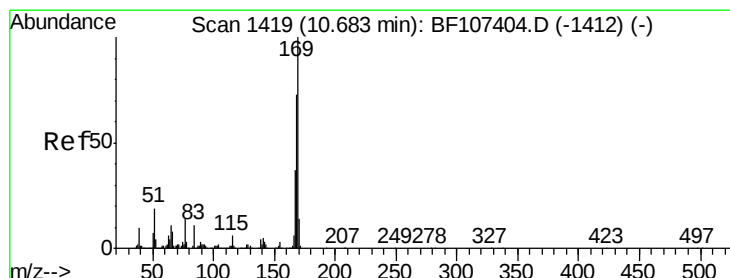
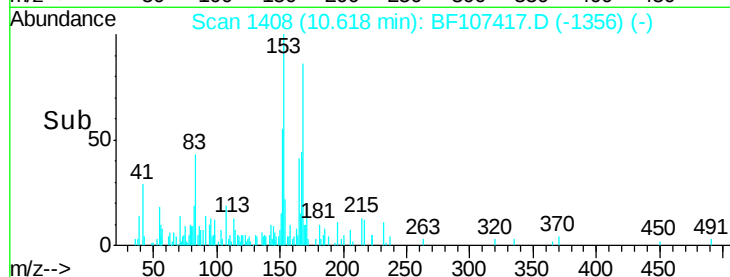
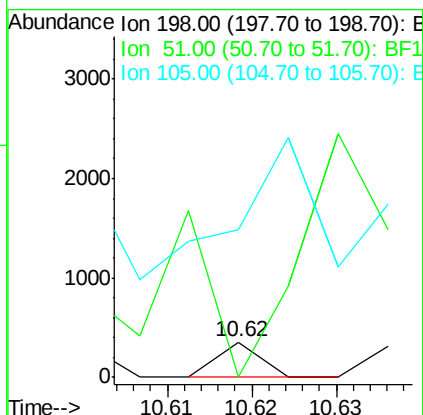
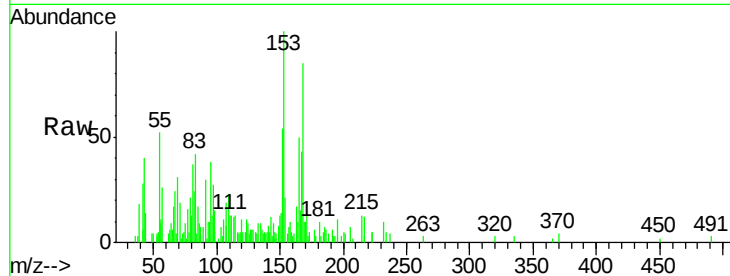




#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.536 ng
 RT: 10.62 min Scan# 1408
 Delta R.T. 0.01 min
 Lab File: BF107417.D
 Acq: 16 Jul 2018 22:01

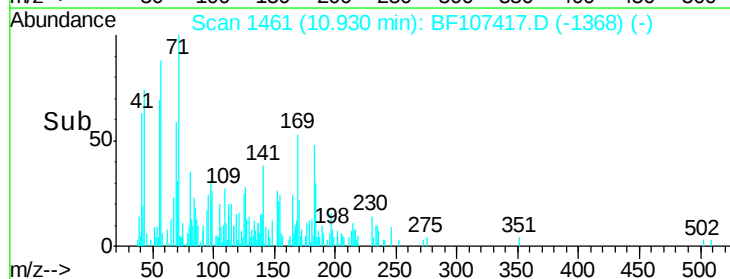
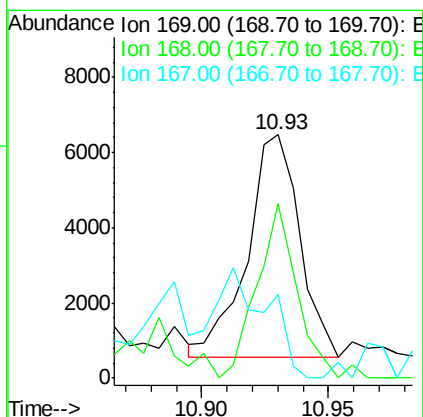
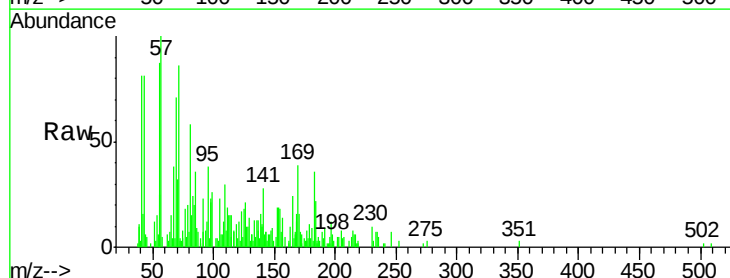
Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-3

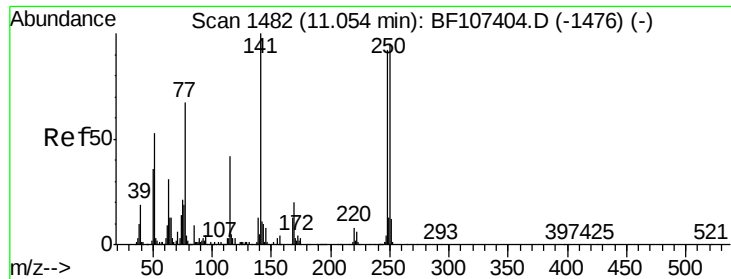
Tgt Ion:198 Resp: 126
 Ion Ratio Lower Upper
 198 100
 51 0.0 37.7 77.7#
 105 415.1 36.3 76.3#



#65
 n-Nitrosodiphenylamine
 Concen: 0.634 ng
 RT: 10.93 min Scan# 1461
 Delta R.T. 0.25 min
 Lab File: BF107417.D
 Acq: 16 Jul 2018 22:01

Tgt Ion:169 Resp: 8525
 Ion Ratio Lower Upper
 169 100
 168 71.8 54.4 81.6
 167 34.2 29.8 44.6

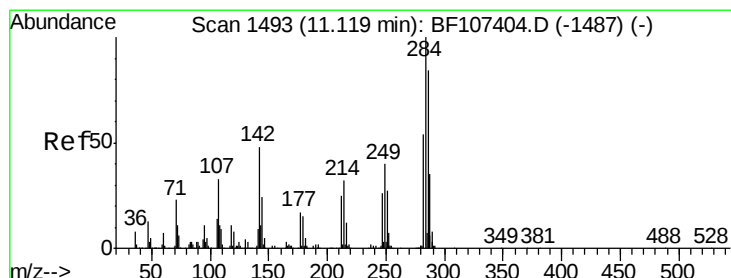
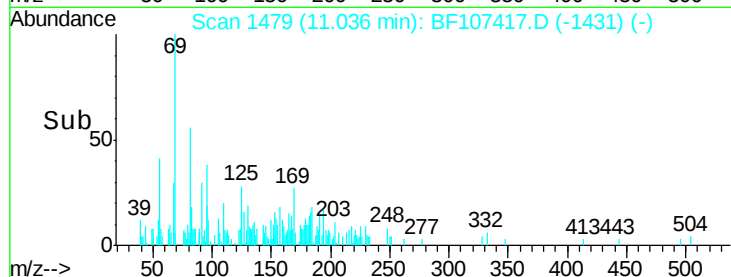
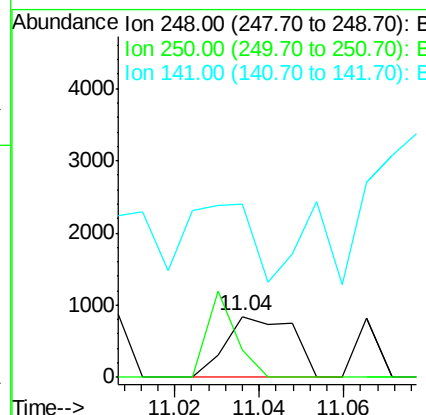
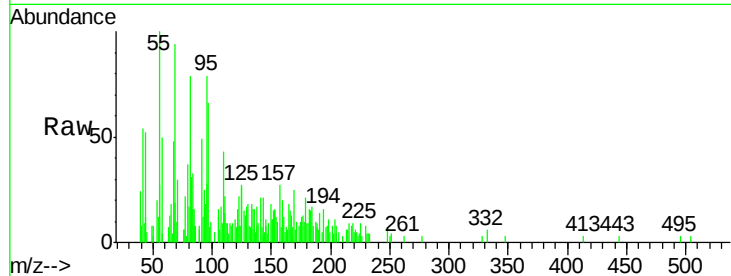




#66
4-Bromophenyl-phenylether
Concen: 0.192 ng
RT: 11.04 min Scan# 1479
Delta R.T. -0.02 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

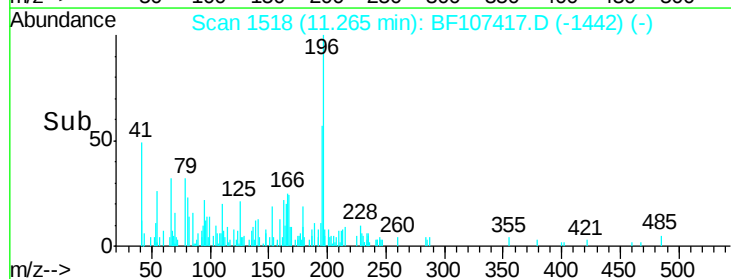
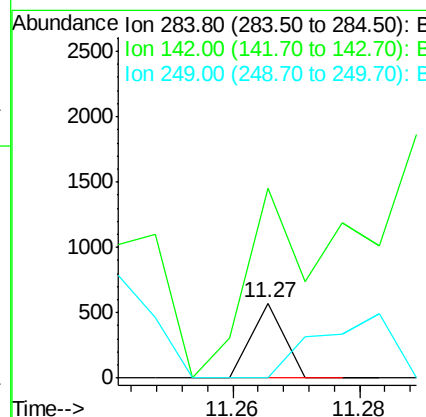
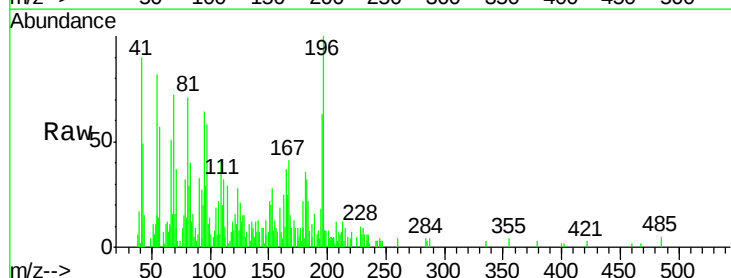
Instrument :
BNA_F
ClientSampled :
LS-SOIL-3

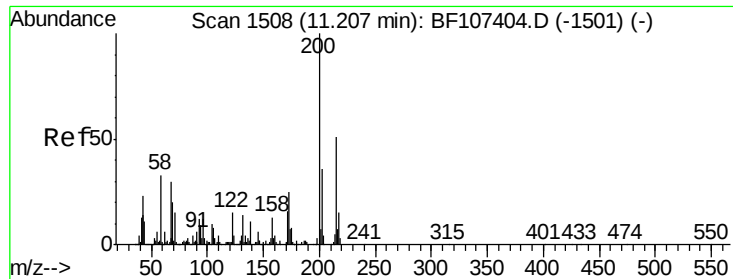
Tgt Ion:248 Resp: 933
Ion Ratio Lower Upper
248 100
250 45.4 76.9 115.3#
141 284.7 74.4 111.6#



#67
Hexachlorobenzene
Concen: 0.045 ng
RT: 11.27 min Scan# 1518
Delta R.T. 0.15 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Tgt Ion:284 Resp: 202
Ion Ratio Lower Upper
284 100
142 255.2 34.6 52.0#
249 0.0 24.8 37.2#

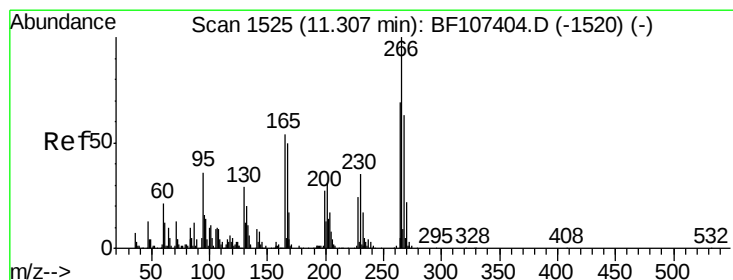
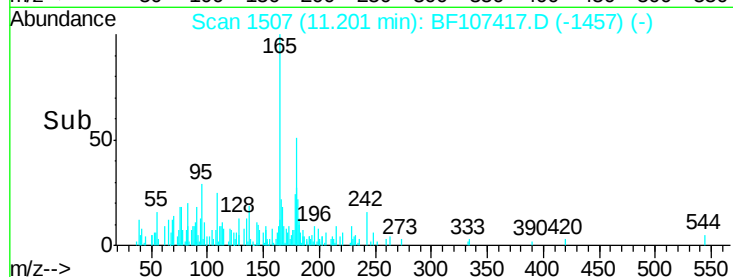
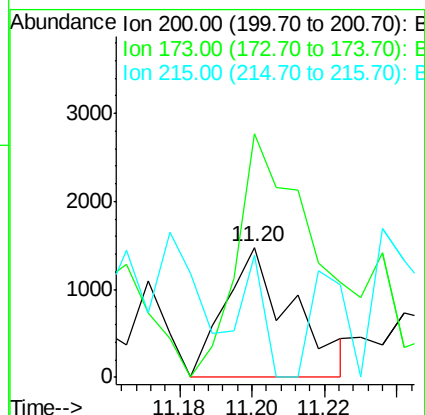
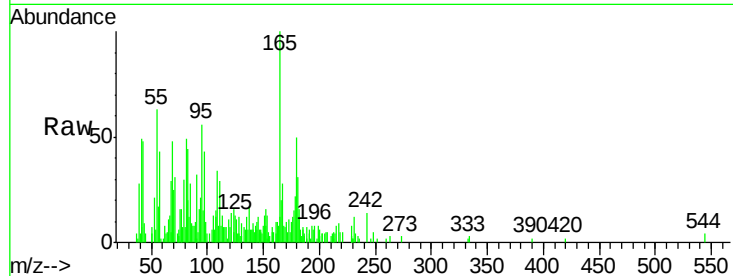




#68
Atrazine
Concen: 0.376 ng
RT: 11.20 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

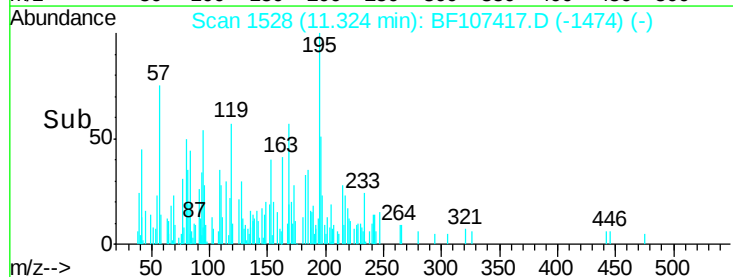
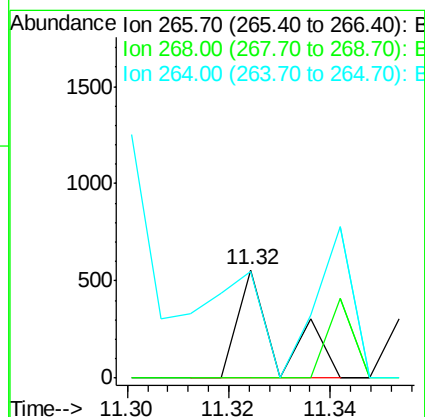
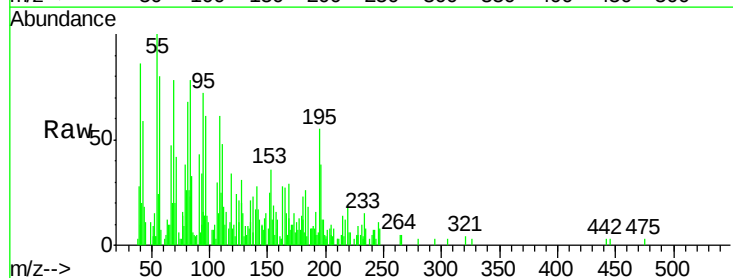
Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

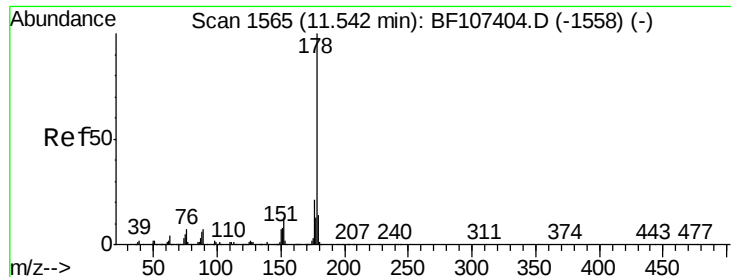
Tgt Ion:200 Resp: 1909
Ion Ratio Lower Upper
200 100
173 187.5 8.6 48.6#
215 93.5 25.1 65.1#



#69
Pentachlorophenol
Concen: 0.091 ng
RT: 11.32 min Scan# 1528
Delta R.T. 0.02 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Tgt Ion:266 Resp: 304
Ion Ratio Lower Upper
266 100
268 0.0 51.1 76.7#
264 98.0 49.5 74.3#





#70

Phenanthrene

Concen: 46.048 ng

RT: 11.54 min Scan# 1565

Delta R.T. -0.00 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampled :

LS-SOIL-3

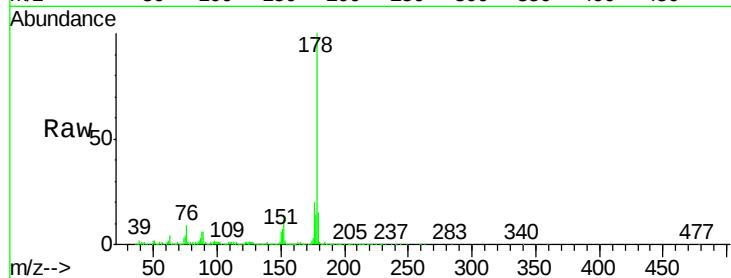
Tgt Ion:178 Resp: 977007

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

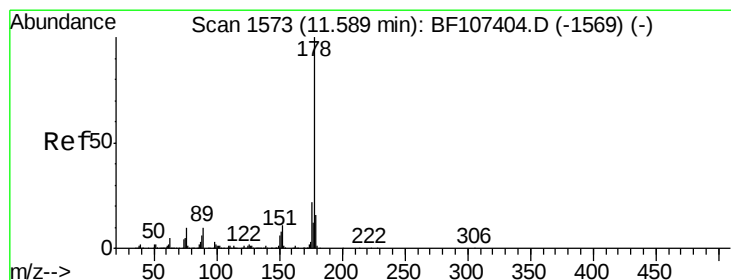
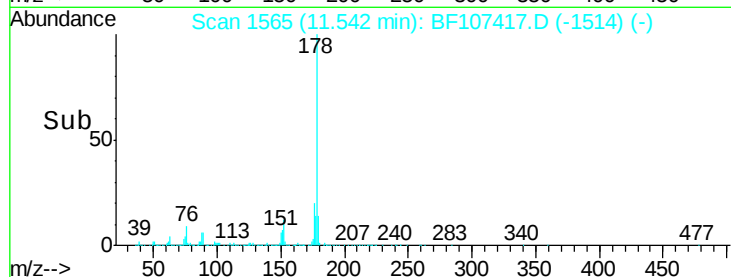
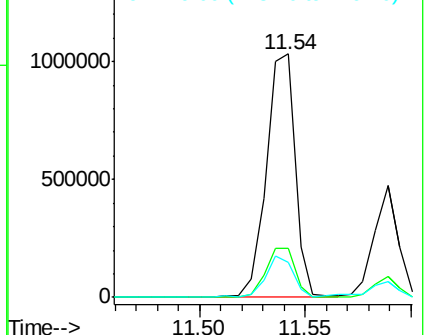
179 14.6 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 17.452 ng

RT: 11.59 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

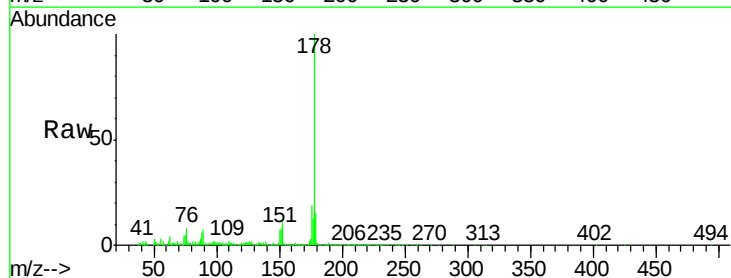
Tgt Ion:178 Resp: 368800

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

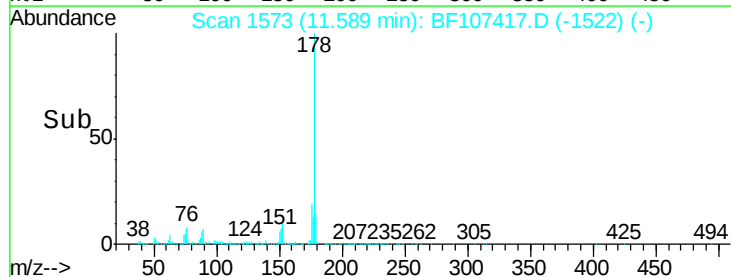
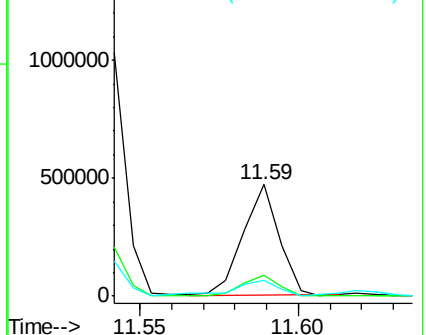
179 14.6 12.6 19.0

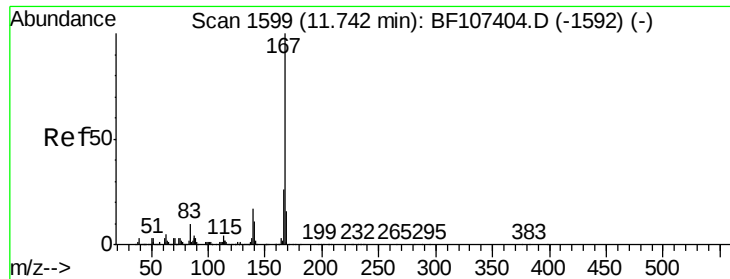


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 5.874 ng

RT: 11.74 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

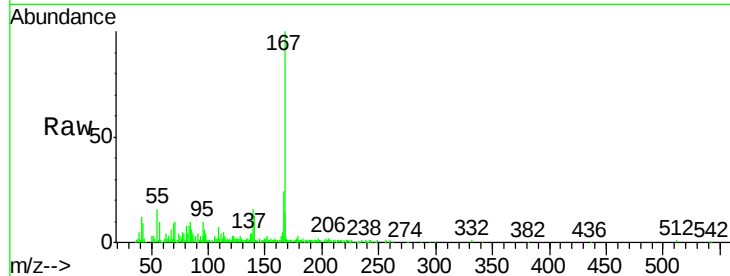
Tgt Ion:167 Resp: 117517

Ion Ratio Lower Upper

167 100

166 24.4 17.6 26.4

139 15.8 10.9 16.3

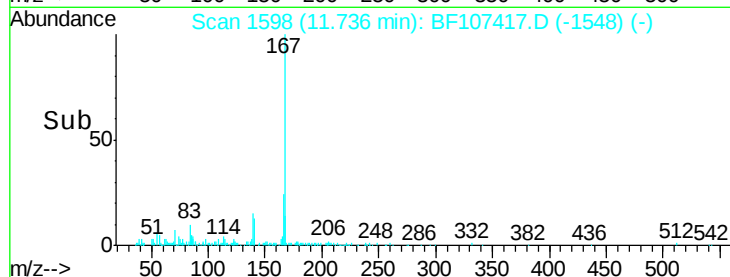


Abundance Ion 167.00 (166.70 to 167.70): E

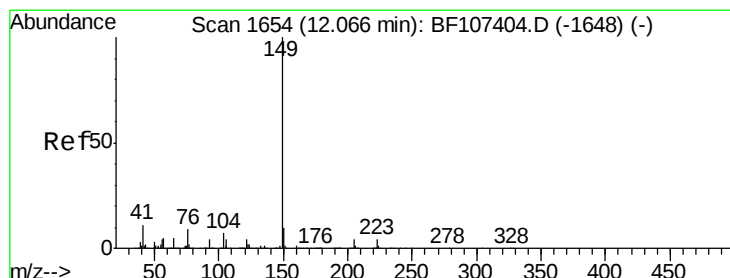
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

Time-->



Time-->



#73

Di-n-butylphthalate

Concen: 0.507 ng

RT: 12.06 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

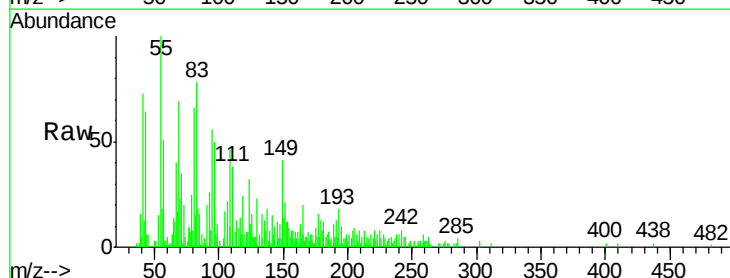
Tgt Ion:149 Resp: 11648

Ion Ratio Lower Upper

149 100

150 33.5 7.8 11.6#

104 17.5 3.8 5.8#

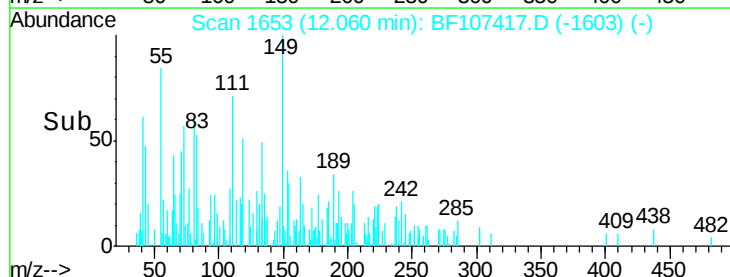


Abundance Ion 149.00 (148.70 to 149.70): E

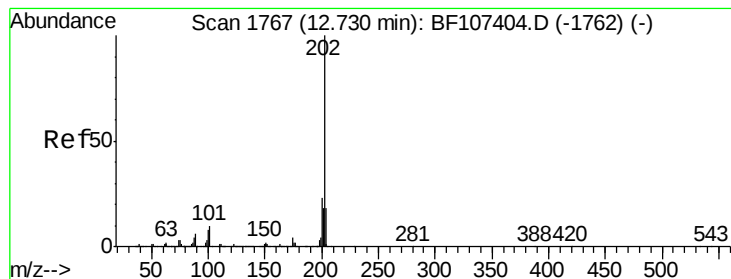
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

Time-->



Time-->



#74

Fluoranthene

Concen: 24.201 ng

RT: 12.74 min Scan# 1768

Delta R.T. 0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

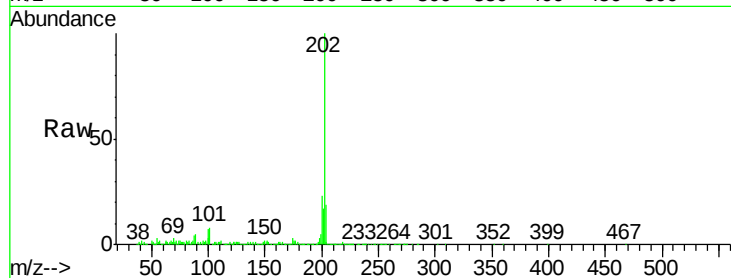
Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

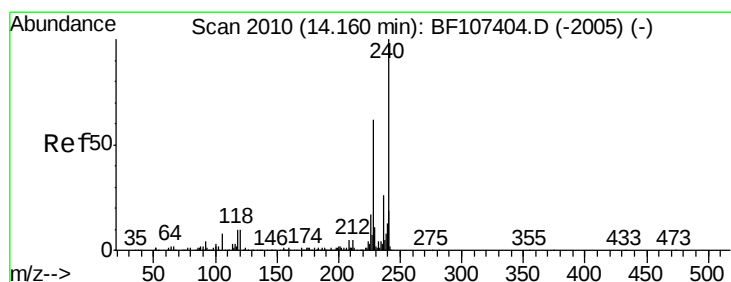
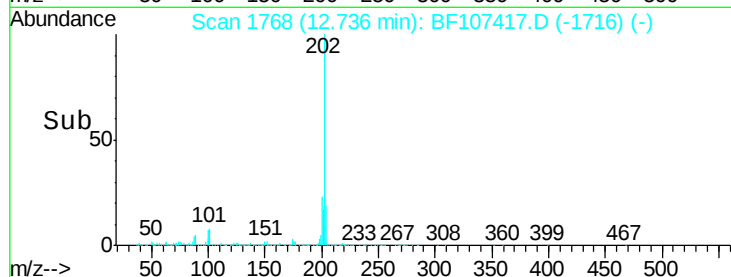
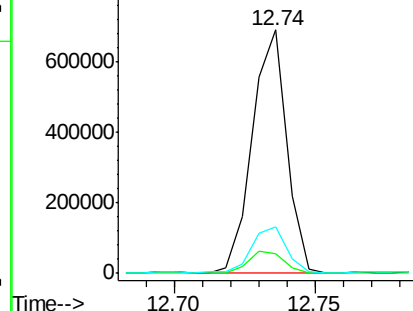
Tgt Ion:	202	Resp:	583617
Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	34.1
203	19.0	0.0	38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

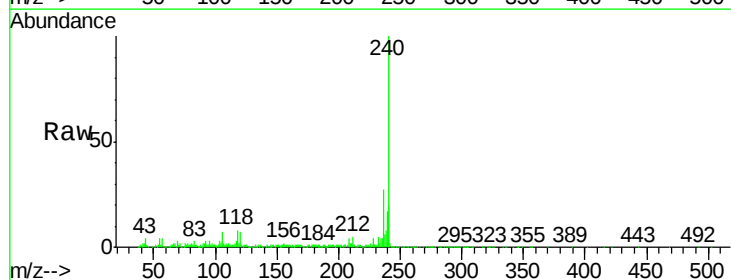
RT: 14.16 min Scan# 2010

Delta R.T. -0.00 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

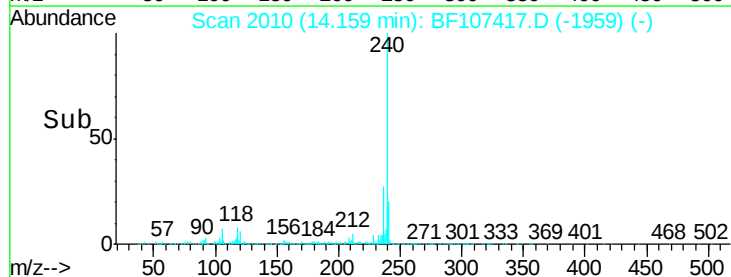
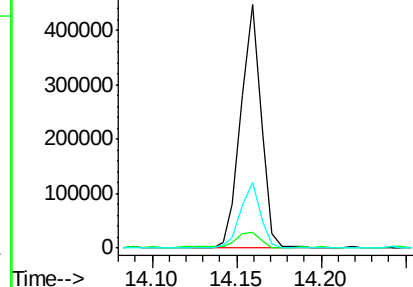
Tgt Ion:	240	Resp:	375645
Ion	Ratio	Lower	Upper
240	100		
120	6.7	9.5	14.3#
236	26.9	20.7	31.1

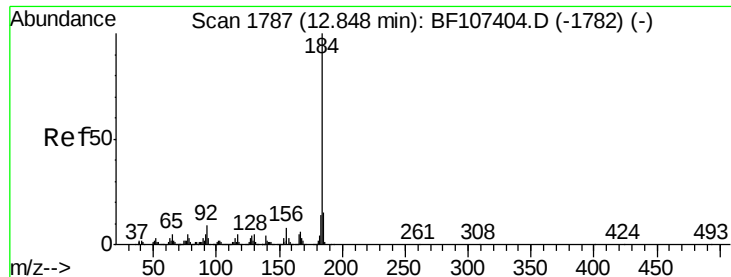


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 0.090 ng

RT: 12.85 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

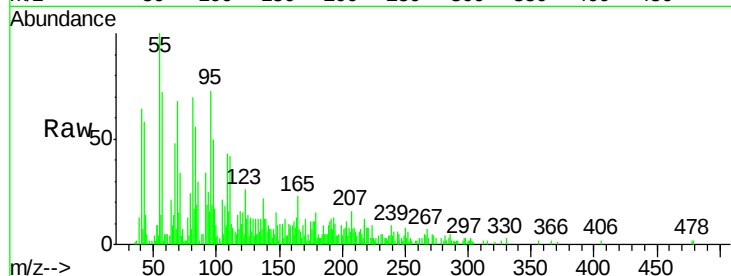
Tgt Ion:184 Resp: 1307

Ion Ratio Lower Upper

184 100

185 186.2 12.6 18.8#

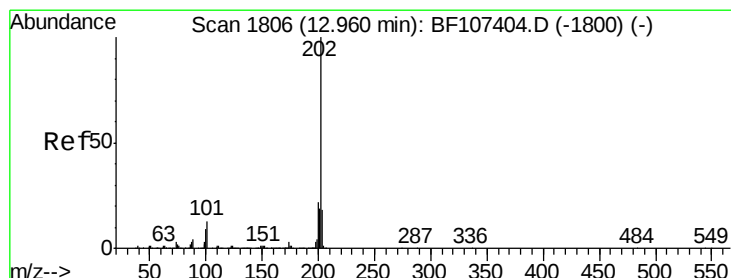
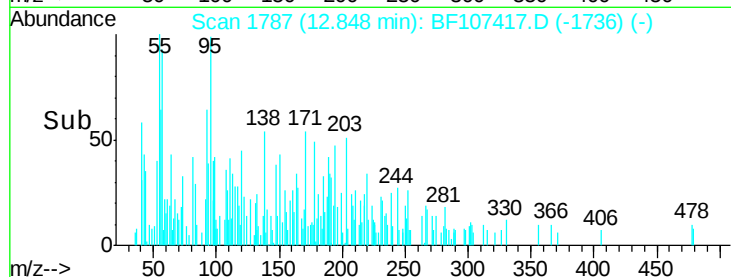
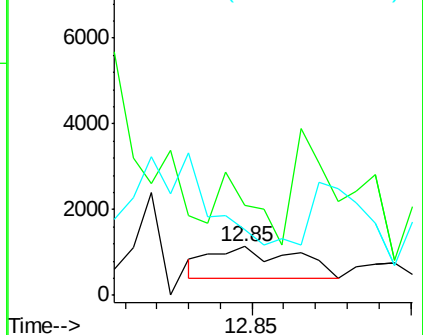
183 135.9 9.3 13.9#



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



#77

Pyrene

Concen: 17.541 ng

RT: 12.96 min Scan# 1806

Delta R.T. -0.00 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

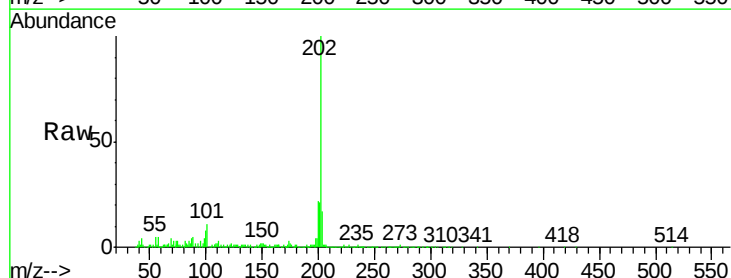
Tgt Ion:202 Resp: 448079

Ion Ratio Lower Upper

202 100

200 22.2 17.4 26.2

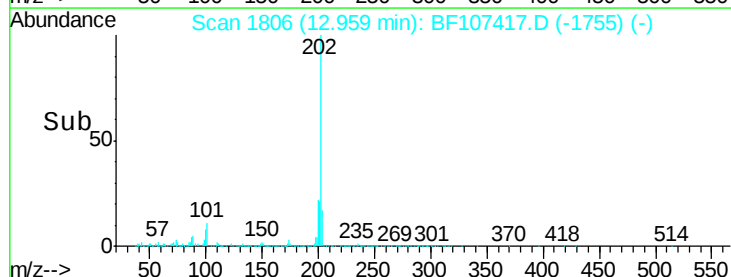
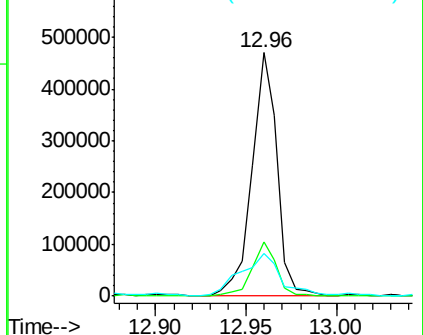
203 17.5 14.3 21.5

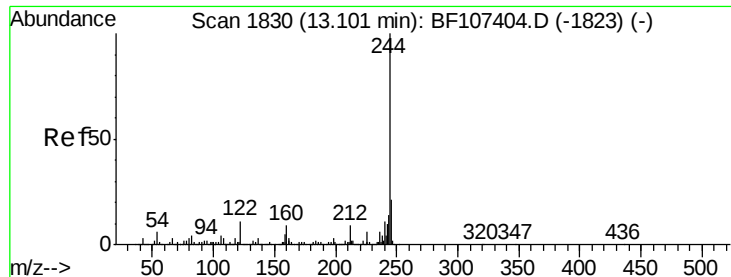


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 66.076 ng

RT: 13.10 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampled :

LS-SOIL-3

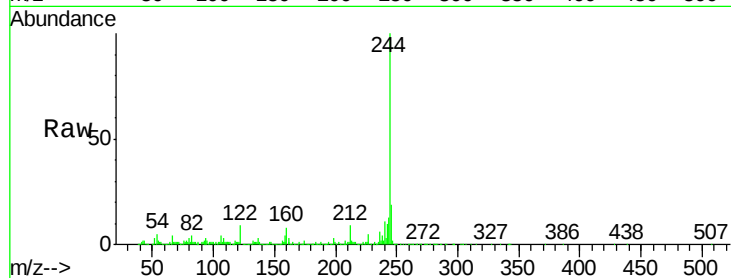
Tgt Ion:244 Resp: 999004

Ion Ratio Lower Upper

244 100

212 9.5 5.4 8.0#

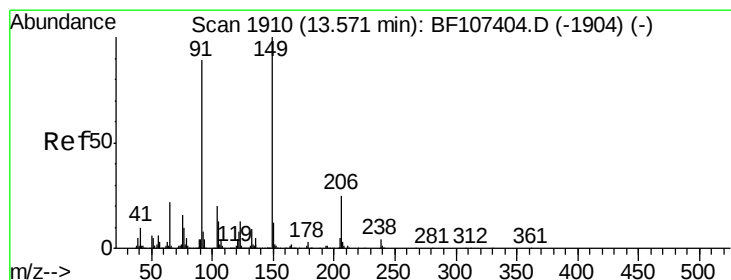
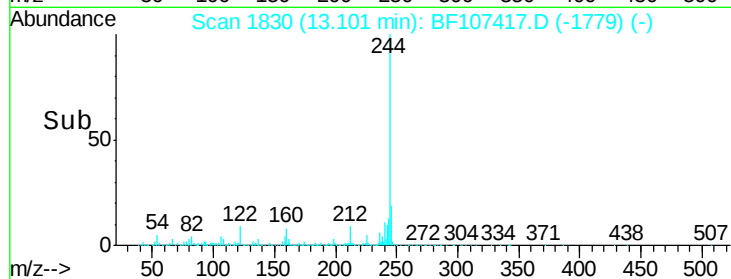
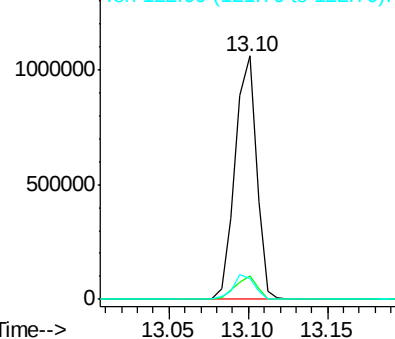
122 8.7 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 0.579 ng

RT: 13.72 min Scan# 1935

Delta R.T. 0.15 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

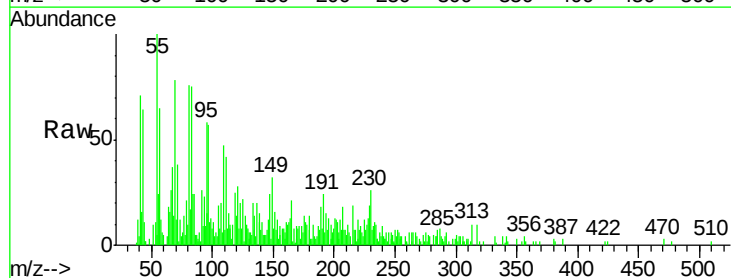
Tgt Ion:149 Resp: 5385

Ion Ratio Lower Upper

149 100

91 82.2 56.8 85.2

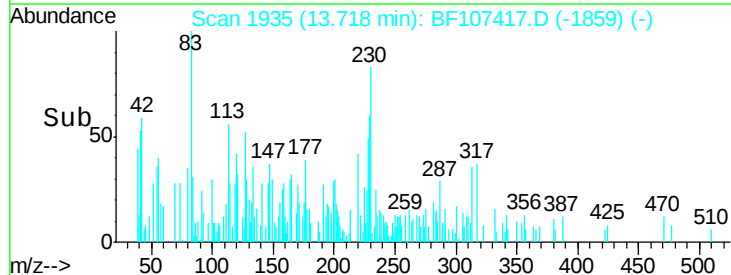
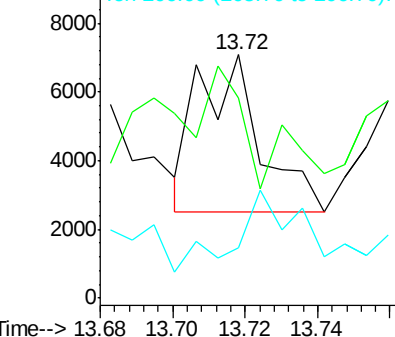
206 20.6 14.1 21.1

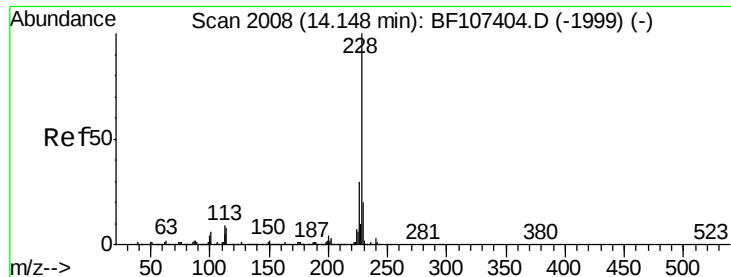


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 5.307 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

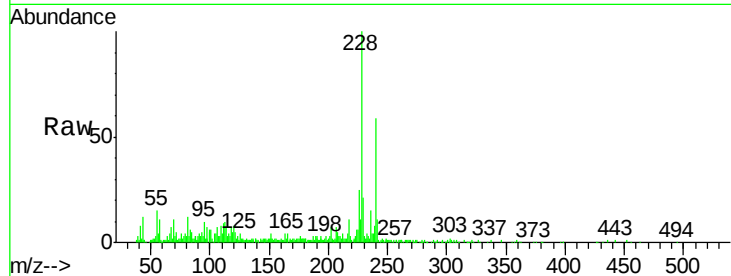
Tgt Ion:228 Resp: 121977

Ion Ratio Lower Upper

228 100

226 25.2 22.6 33.8

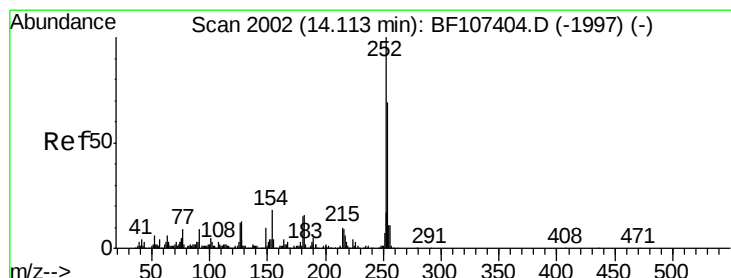
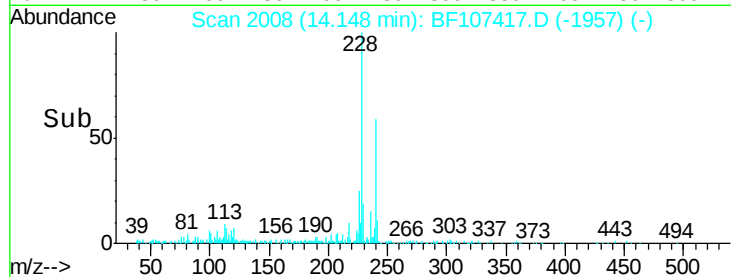
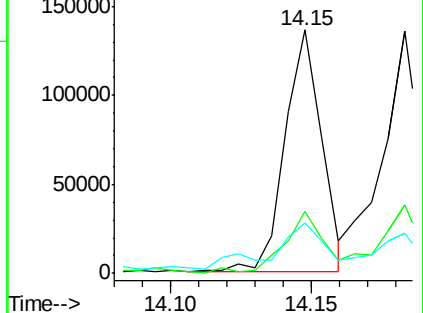
229 20.6 15.8 23.6



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



#81

3,3'-Dichlorobenzidine

Concen: 0.185 ng

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

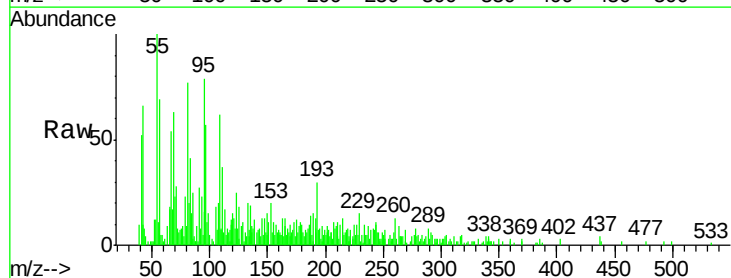
Tgt Ion:252 Resp: 1424

Ion Ratio Lower Upper

252 100

254 0.0 50.4 75.6#

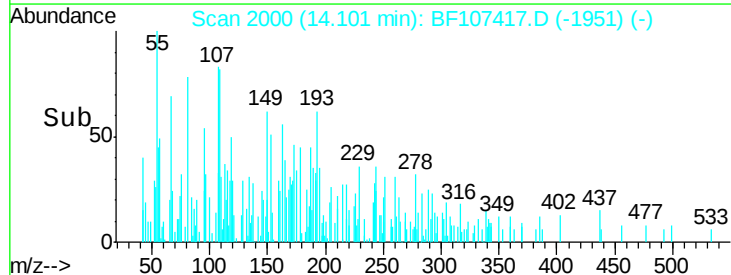
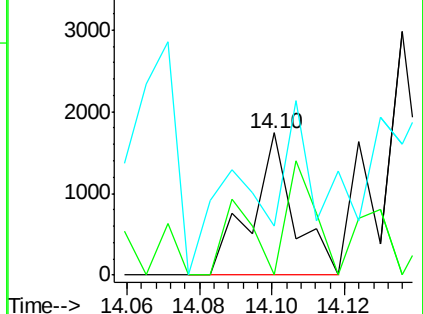
126 34.9 11.3 16.9#

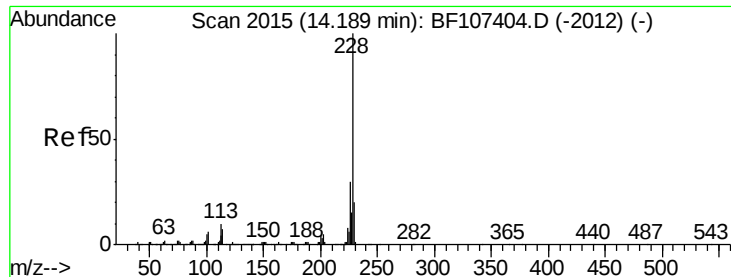


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 5.439 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

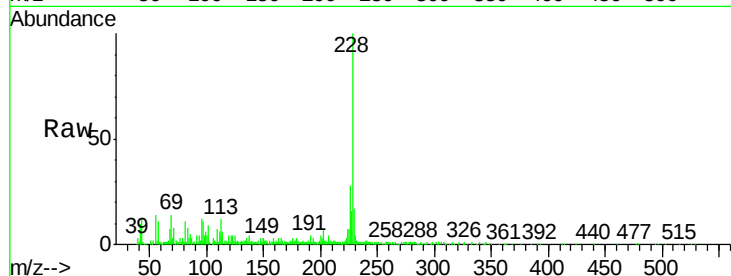
Tgt Ion:228 Resp: 119424

Ion Ratio Lower Upper

228 100

226 28.0 25.0 37.6

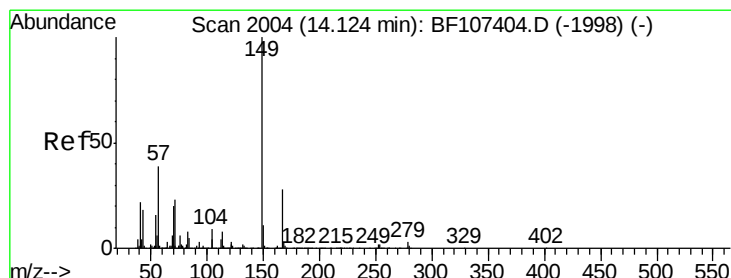
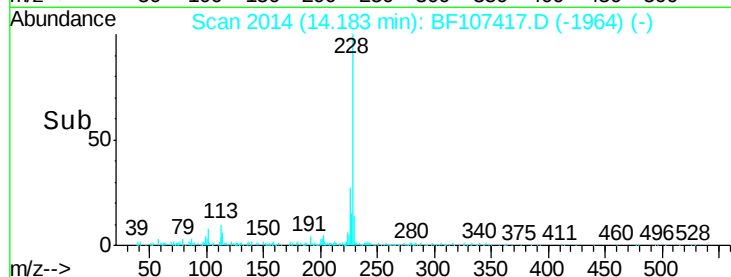
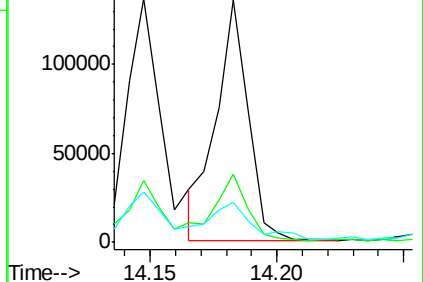
229 16.6 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 1.849 ng

RT: 14.12 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

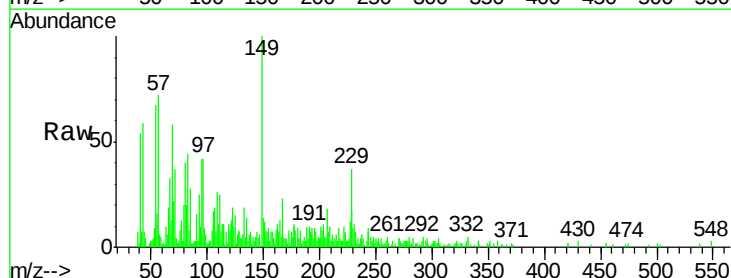
Tgt Ion:149 Resp: 24660

Ion Ratio Lower Upper

149 100

167 23.1 21.3 31.9

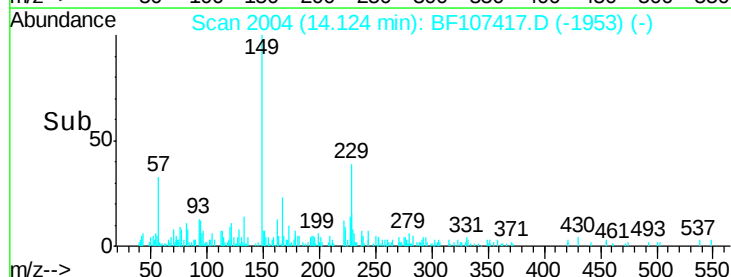
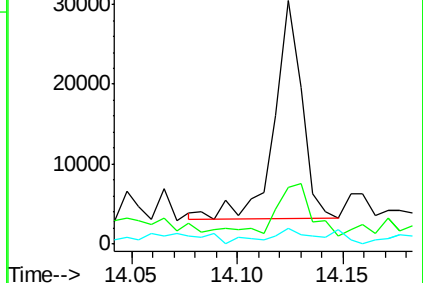
279 6.4 3.0 4.4#

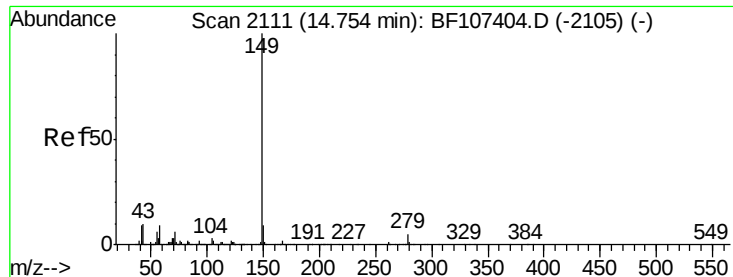


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.089 ng

RT: 14.72 min Scan# 2106

Delta R.T. -0.03 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

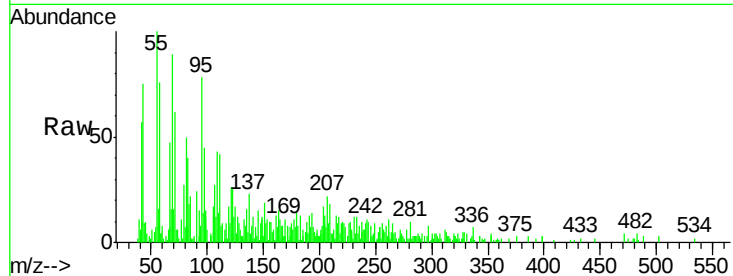
Tgt Ion:149 Resp: 1843

Ion Ratio Lower Upper

149 100

167 57.7 1.2 1.8#

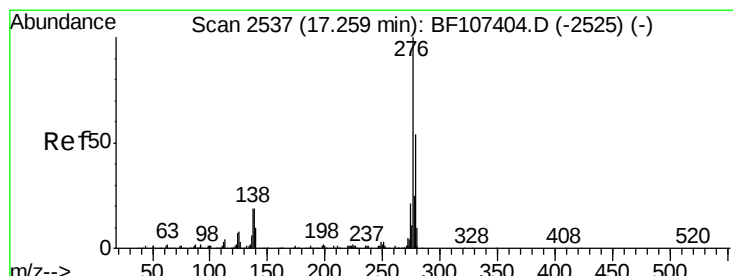
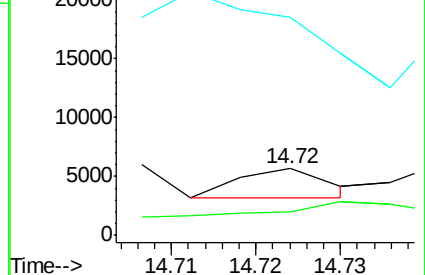
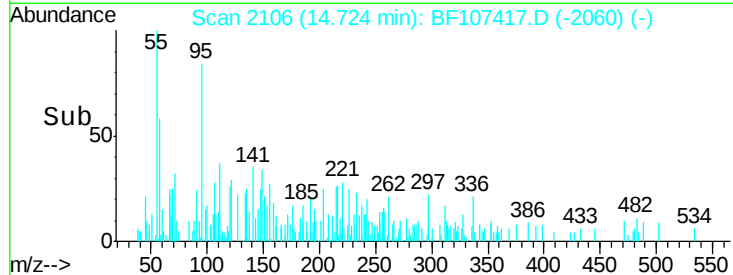
43 174.8 8.4 12.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#85

Indeno(1,2,3-cd)pyrene

Concen: 1.166 ng

RT: 17.25 min Scan# 2535

Delta R.T. -0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

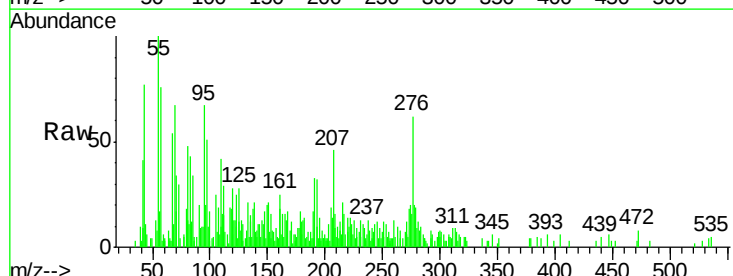
Tgt Ion:276 Resp: 18222

Ion Ratio Lower Upper

276 100

138 9.5 25.0 37.6#

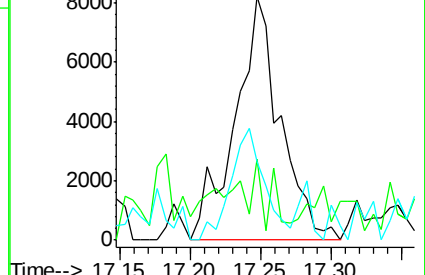
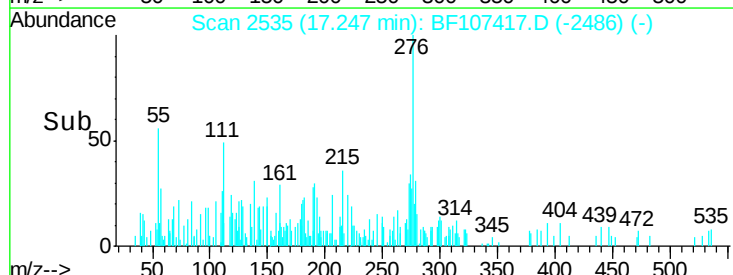
277 34.7 20.1 30.1#

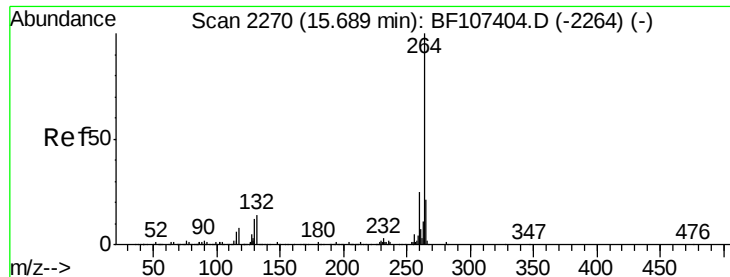


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2270

Delta R.T. -0.00 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

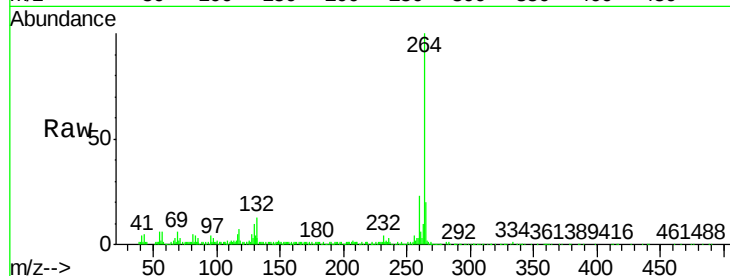
Tgt Ion:264 Resp: 396970

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

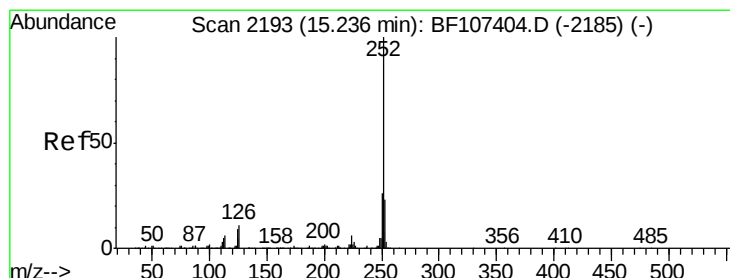
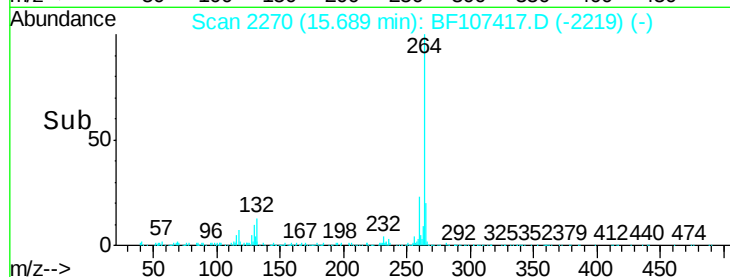
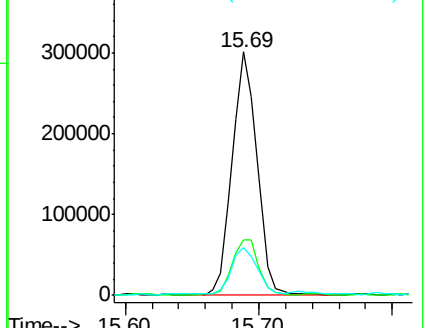
265 19.5 17.5 26.3



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



#87

Benzo(b)fluoranthene

Concen: 5.163 ng

RT: 15.23 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

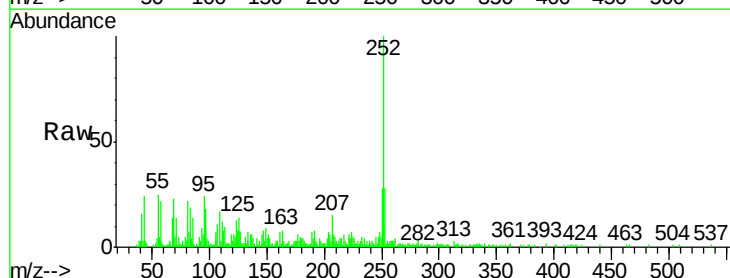
Tgt Ion:252 Resp: 119953

Ion Ratio Lower Upper

252 100

253 28.3 17.0 25.6#

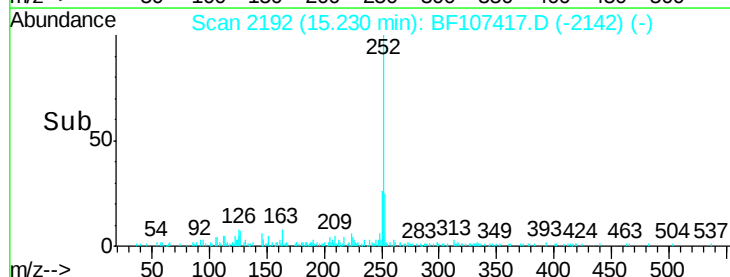
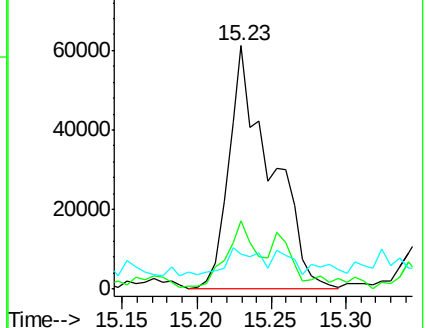
125 14.1 9.0 13.6#

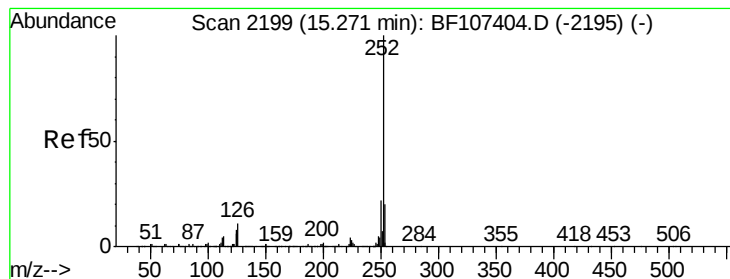


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 5.290 ng

RT: 15.23 min Scan# 2192

Delta R.T. -0.04 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

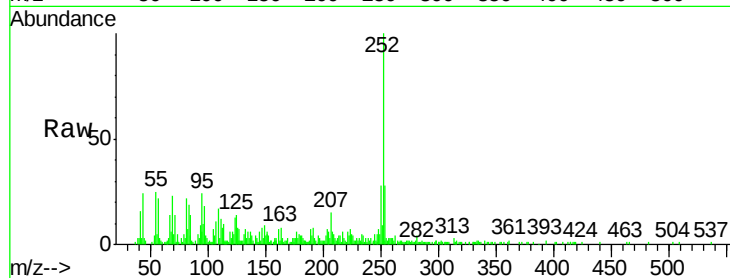
Tgt Ion:252 Resp: 119953

Ion Ratio Lower Upper

252 100

253 28.3 17.9 26.9#

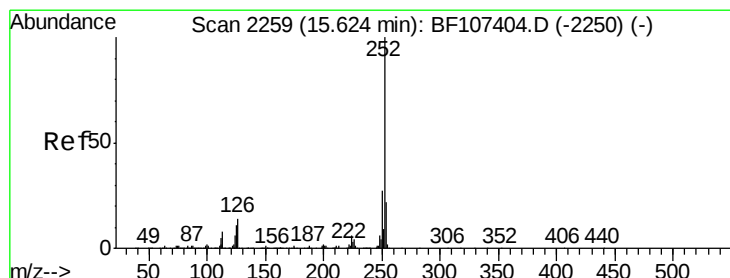
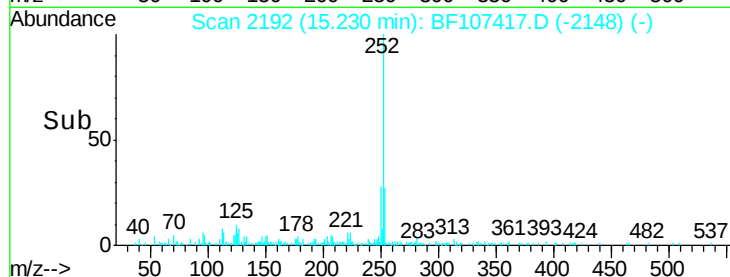
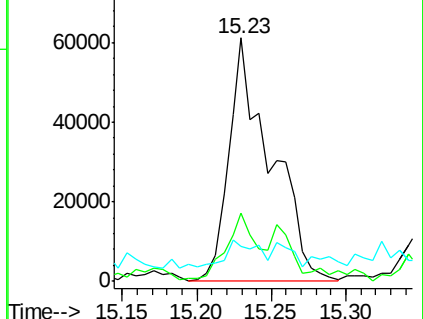
125 14.1 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 2.318 ng

RT: 15.61 min Scan# 2257

Delta R.T. -0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

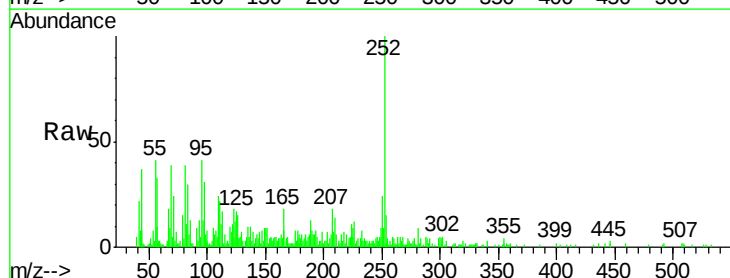
Tgt Ion:252 Resp: 49444

Ion Ratio Lower Upper

252 100

253 15.0 17.1 25.7#

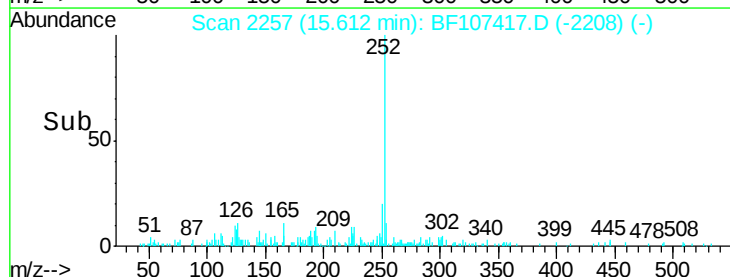
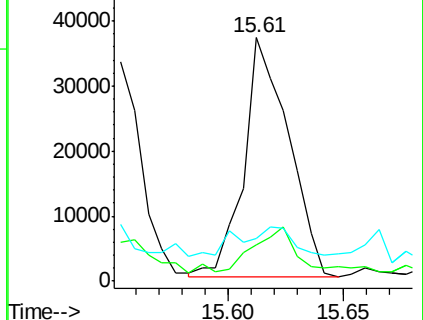
125 17.3 9.8 14.6#

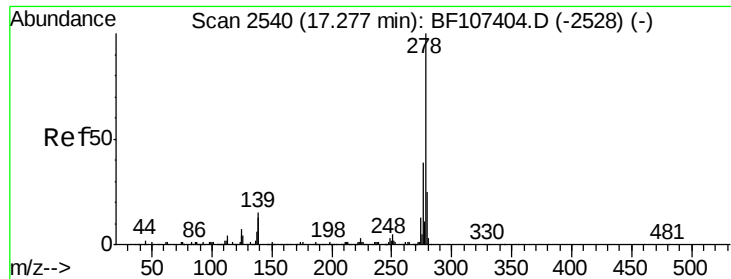


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 0.248 ng

RT: 17.27 min Scan# 2538

Delta R.T. -0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

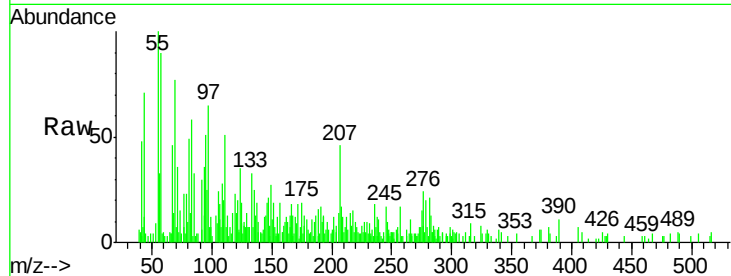
Tgt Ion:278 Resp: 3994

Ion Ratio Lower Upper

278 100

139 51.4 15.9 23.9#

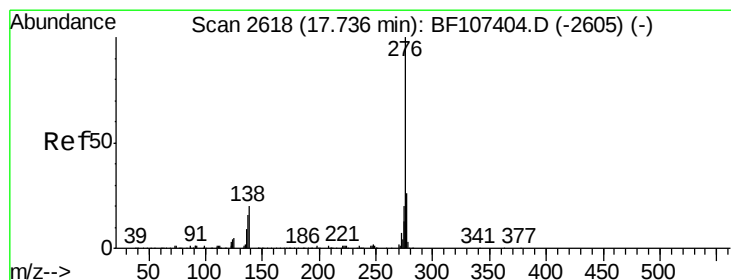
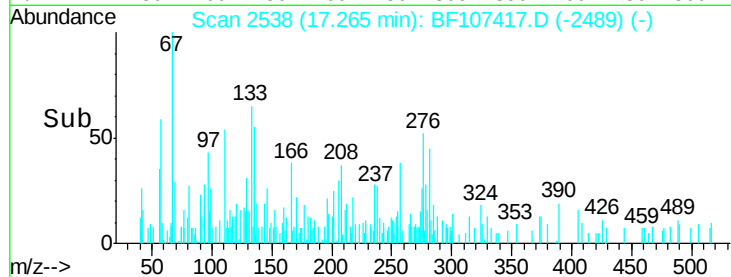
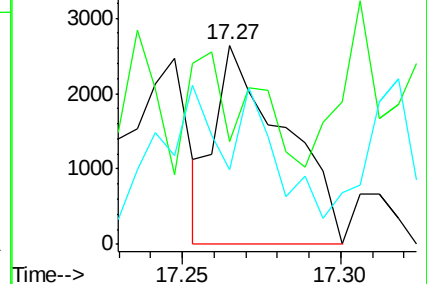
279 37.6 19.0 28.4#



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



#91

Benzo(g,h,i)perylene

Concen: 1.026 ng

RT: 17.72 min Scan# 2616

Delta R.T. -0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

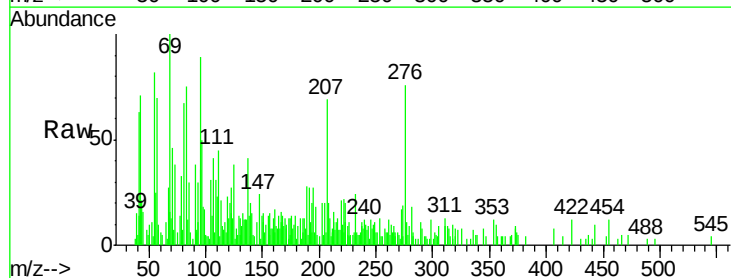
Tgt Ion:276 Resp: 16772

Ion Ratio Lower Upper

276 100

277 13.9 17.9 26.9#

138 18.1 21.8 32.8#



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

