

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071618\
 Data File : BF107415.D
 Acq On : 16 Jul 2018 21:06
 Operator : JU/SJ
 Sample : J3542-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-1

Quant Time: Jul 17 00:59:07 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	134535	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	476973	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	237505	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	386436	20.00	ng	0.00
75) Chrysene-d12	14.16	240	384657	20.00	ng	0.00
86) Perylene-d12	15.69	264	391766	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	755009	85.23	ng	0.00
7) Phenol-d6	6.60	99	968997	84.61	ng	0.00
23) Nitrobenzene-d5	7.54	82	671630	75.09	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	156497	75.00	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1005555	68.49	ng	0.00
78) Terphenyl-d14	13.10	244	853573	55.13	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.83	88	835	0.191	ng	# 3
3) Pyridine	3.61	79	683	0.058	ng	# 12
4) n-Nitrosodimethylamine	3.58	42	798	0.165	ng	# 1
6) Aniline	6.60	93	1679	0.111	ng	# 1
8) 2-Chlorophenol	6.77	128	367	0.041	ng	# 10
9) Benzaldehyde	6.59	77	3859	0.419	ng	# 7
10) Phenol	6.61	94	28766	2.343	ng	# 87
11) bis(2-Chloroethyl)ether	6.71	93	616	0.061	ng	# 19
12) 1,3-Dichlorobenzene	6.79	146	210	0.019	ng	# 2
13) 1,4-Dichlorobenzene	7.13	146	950	0.088	ng	# 1
14) 1,2-Dichlorobenzene	7.13	146	950	0.094	ng	# 1
15) Benzyl Alcohol	7.13	79	15361	1.336	ng	# 41
16) 2,2'-oxybis(1-Chloropropan	7.26	45	301	0.028	ng	# 70
17) 2-Methylphenol	7.23	107	108	0.013	ng	# 11
18) Hexachloroethane	7.51	117	606	0.151	ng	# 28
19) n-Nitroso-di-n-propylamine	7.54	70	113281	13.814	ng	# 76
20) 3+4-Methylphenols	7.37	107	155	0.014	ng	# 1
22) Acetophenone	7.37	105	880	0.067	ng	# 54
24) Nitrobenzene	7.54	77	5464	0.544	ng	# 38
25) Isophorone	7.54	82	671630	37.882	ng	# 64
26) 2-Nitrophenol	7.80	139	117	0.034	ng	# 1
27) 2,4-Dimethylphenol	7.97	122	288	0.040	ng	# 4
28) bis(2-Chloroethoxy)methane	8.00	93	464	0.042	ng	# 41
29) 2,4-Dichlorophenol	8.14	162	176	0.024	ng	# 1
30) 1,2,4-Trichlorobenzene	8.12	180	126	0.014	ng	# 12
31) Naphthalene	8.28	128	14459	0.624	ng	# 88
32) Benzoic acid	7.97	122	288	0.066	ng	# 1
33) 4-Chloroaniline	8.28	127	2463	0.245	ng	# 47
34) Hexachlorobutadiene	8.25	225	140	0.023	ng	# 18
35) Caprolactam	8.67	113	463	0.192	ng	# 38
36) 4-Chloro-3-methylphenol	8.82	107	174	0.018	ng	# 20
37) 2-Methylnaphthalene	8.97	142	4723	0.309	ng	# 60
39) 1,2,4,5-Tetrachlorobenzene	9.12	216	285	0.031	ng	# 1
40) Hexachlorocyclopentadiene	8.85	237	218	0.045	ng	# 26

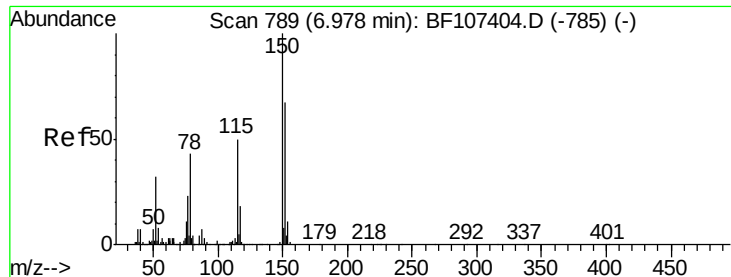
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071618\
 Data File : BF107415.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.21	196	114	0.020	ng	# 13
43) 2,4,5-Trichlorophenol	9.21	196	114	0.021	ng	# 1
45) 1,1'-Biphenyl	9.44	154	4466	0.217	ng	90
46) 2-Chloronaphthalene	9.44	162	131	0.008	ng	# 1
47) 2-Nitroaniline	9.56	65	377	0.076	ng	# 10
48) Acenaphthylene	9.88	152	2147	0.095	ng	# 68
49) Dimethylphthalate	9.72	163	198838	10.537	ng	# 98
50) 2,6-Dinitrotoluene	9.80	165	1052	0.292	ng	# 24
51) Acenaphthene	10.05	154	11181	0.745	ng	# 82
52) 3-Nitroaniline	9.98	138	109	0.029	ng	# 2
53) 2,4-Dinitrophenol	10.21	184	140	2.408	ng	# 13
54) Dibenzofuran	10.22	168	9240	0.399	ng	# 82
55) 4-Nitrophenol	10.14	139	833	0.272	ng	# 1
56) 2,4-Dinitrotoluene	10.17	165	1616	0.344	ng	# 21
57) Fluorene	10.57	166	5714	0.372	ng	# 56
58) 2,3,4,6-Tetrachlorophenol	10.36	232	182	0.034	ng	# 32
59) Diethylphthalate	10.42	149	2225	0.121	ng	# 22
60) 4-Chlorophenyl-phenylether	10.55	204	411	0.045	ng	# 42
61) 4-Nitroaniline	10.57	138	528	0.147	ng	# 19
62) Azobenzene	10.83	77	2075	0.096	ng	79
64) 4,6-Dinitro-2-methylphenol	10.59	198	125	7.540	ng	# 1
65) n-Nitrosodiphenylamine	10.67	169	1565	0.128	ng	92
66) 4-Bromophenyl-phenylether	10.81	248	22942	5.189	ng	# 1
67) Hexachlorobenzene	10.88	284	200	0.049	ng	# 38
68) Atrazine	11.20	200	113	0.025	ng	# 1
69) Pentachlorophenol	11.36	266	205	0.068	ng	# 19
70) Phenanthrene	11.54	178	26525	1.377	ng	# 92
71) Anthracene	11.58	178	10847	0.565	ng	# 59
72) Carbazole	11.74	167	5248	0.289	ng	# 79
73) Di-n-butylphthalate	12.06	149	9271	0.444	ng	# 41
74) Fluoranthene	12.72	202	63080	2.882	ng	95
76) Benzidine	12.87	184	499	0.033	ng	# 1
77) Pyrene	12.96	202	58538	2.238	ng	94
79) Butylbenzylphthalate	13.67	149	1552	0.163	ng	86
80) Benzo(a)anthracene	14.18	228	29341	1.247	ng	94
81) 3,3'-Dichlorobenzidine	14.15	252	482	0.061	ng	# 1
82) Chrysene	14.18	228	29341	1.305	ng	# 91
83) Bis(2-ethylhexyl)phthalate	14.12	149	50229	3.679	ng	98
84) Di-n-octyl phthalate	14.79	149	3289	0.155	ng	# 1
85) Indeno(1,2,3-cd)pyrene	17.24	276	10666	0.666	ng	# 62
87) Benzo(b)fluoranthene	15.23	252	36414	1.588	ng	# 71
88) Benzo(k)fluoranthene	15.23	252	36414	1.627	ng	# 71
89) Benzo(a)pyrene	15.62	252	17138	0.814	ng	# 79
90) Dibenzo(a,h)anthracene	17.28	278	1384	0.087	ng	# 4
91) Benzo(g,h,i)perylene	17.71	276	11145	0.691	ng	# 79

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

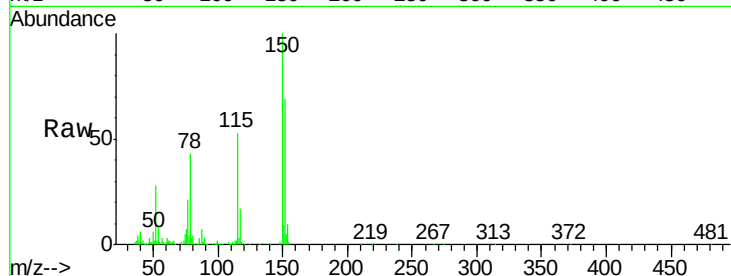


#1

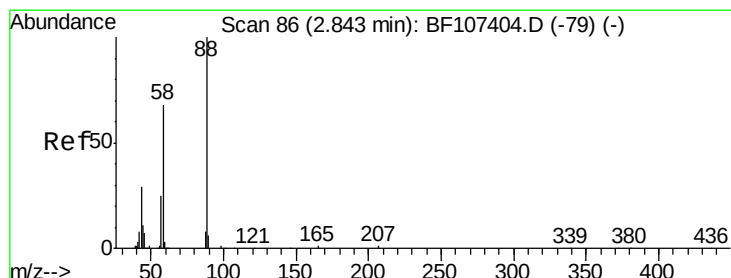
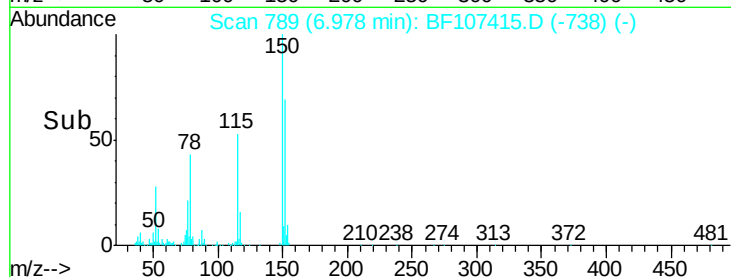
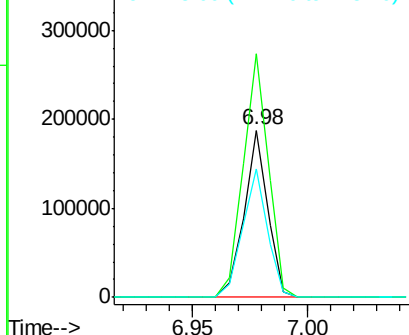
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-1

Tgt Ion:152 Resp: 134535
Ion Ratio Lower Upper
152 100
150 145.7 124.6 186.8
115 76.9 50.1 75.1#



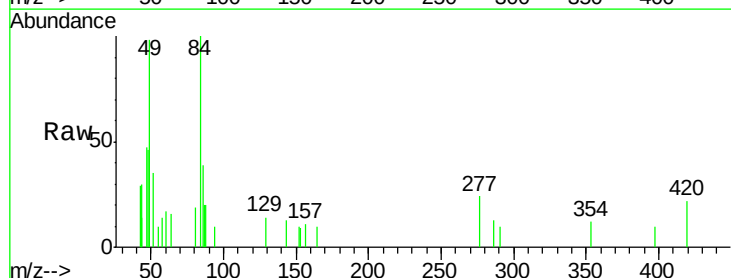
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



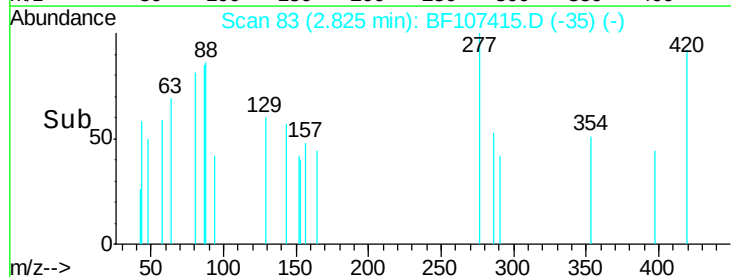
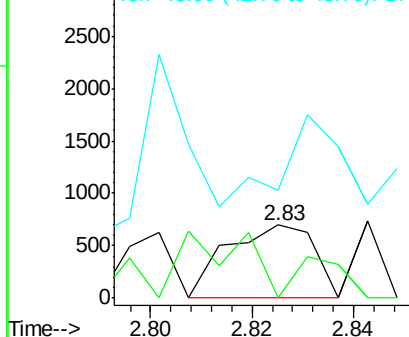
#2

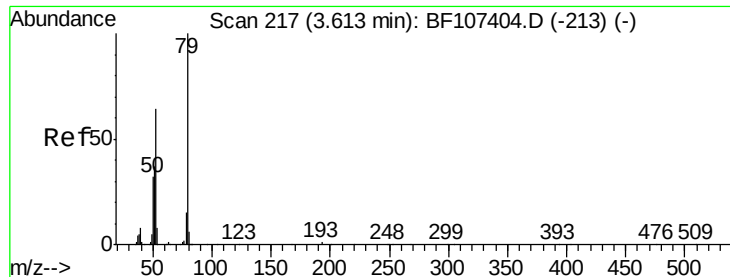
1,4-Dioxane
Concen: 0.191 ng
RT: 2.83 min Scan# 83
Delta R.T. -0.02 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

Tgt Ion: 88 Resp: 835
Ion Ratio Lower Upper
88 100
58 0.0 62.6 93.8#
43 93.4 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: 0.058 ng

RT: 3.61 min Scan# 217

Delta R.T. 0.00 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-1

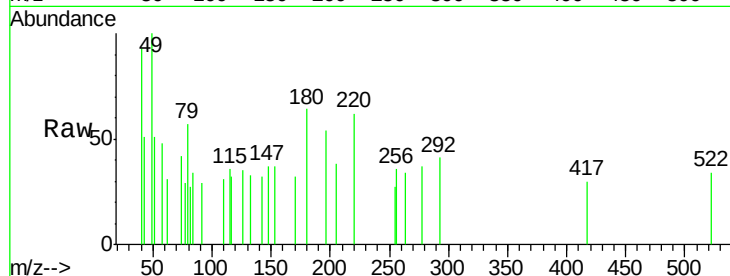
Tgt Ion: 79 Resp: 683

Ion Ratio Lower Upper

79 100

52 0.0 59.8 89.6#

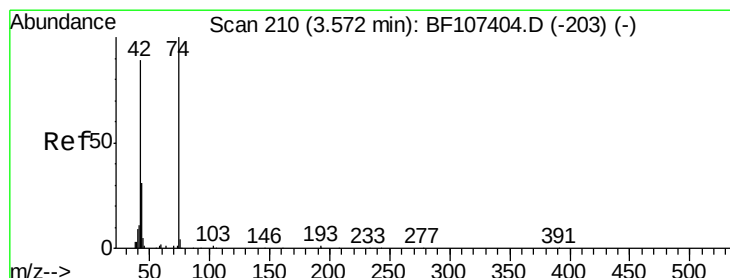
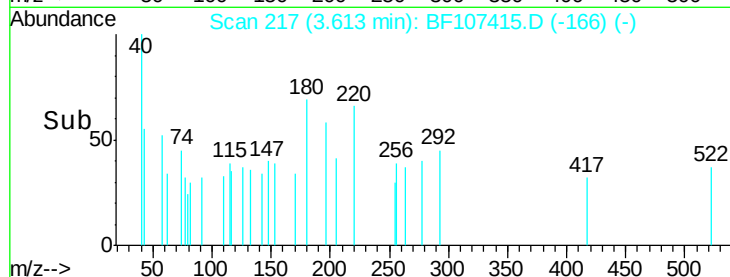
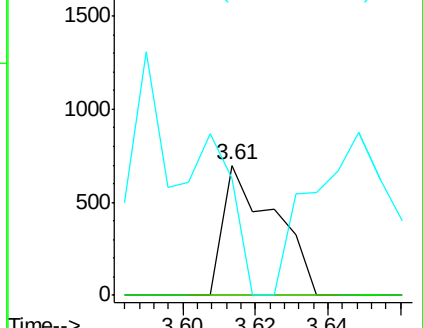
51 89.5 29.8 44.8#



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: 0.165 ng

RT: 3.58 min Scan# 211

Delta R.T. 0.01 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

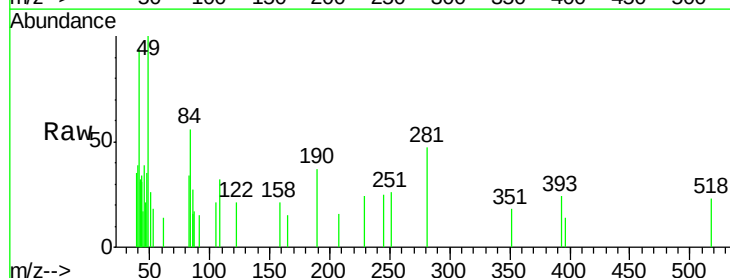
Tgt Ion: 42 Resp: 798

Ion Ratio Lower Upper

42 100

74 0.0 104.9 157.3#

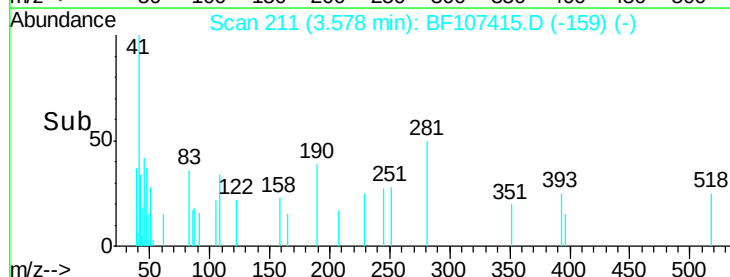
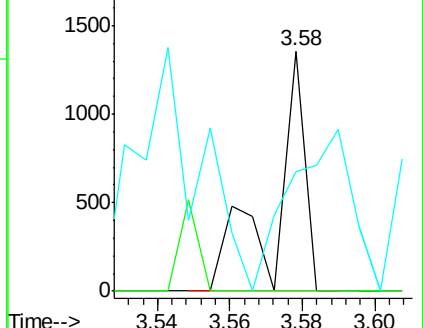
44 77.2 6.9 10.3#

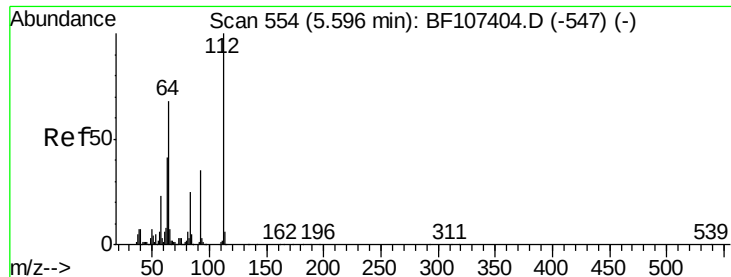


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 85.232 ng

RT: 5.60 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-1

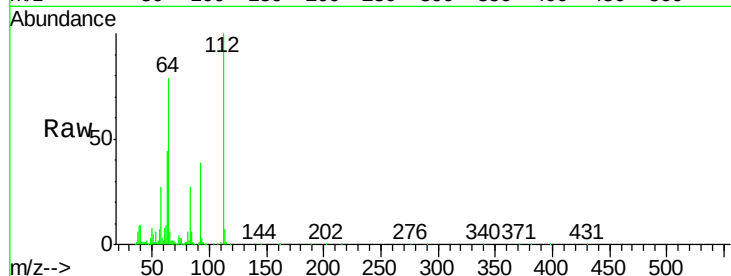
Tgt Ion: 112 Resp: 755009

Ion Ratio Lower Upper

112 100

64 79.0 47.9 71.9#

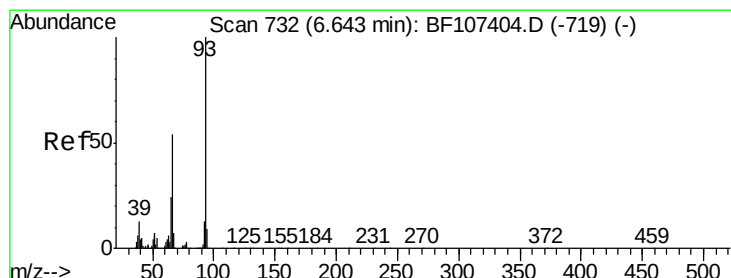
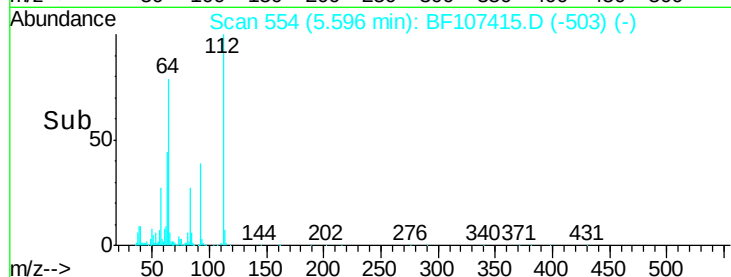
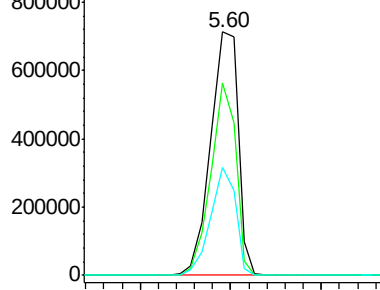
63 44.1 23.7 35.5#



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: 0.111 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.05 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

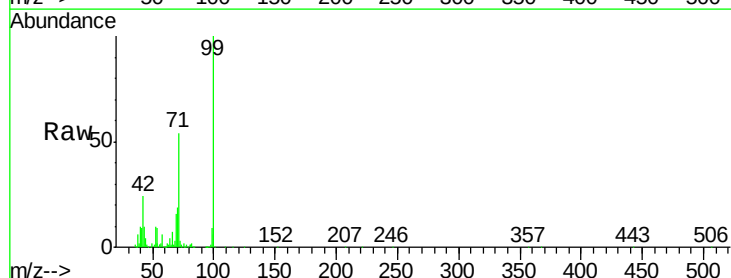
Tgt Ion: 93 Resp: 1679

Ion Ratio Lower Upper

93 100

66 4158.5 32.2 48.2#

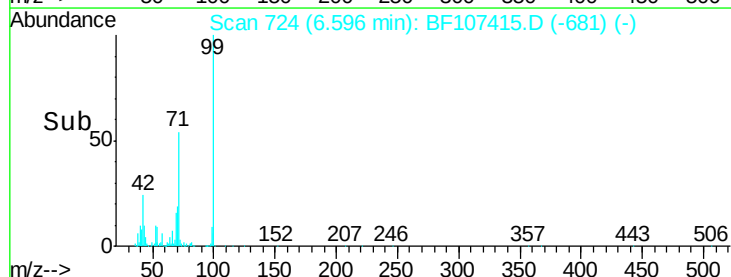
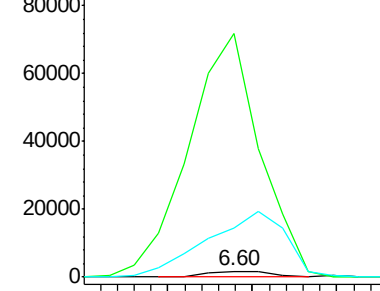
65 844.2 16.4 24.6#

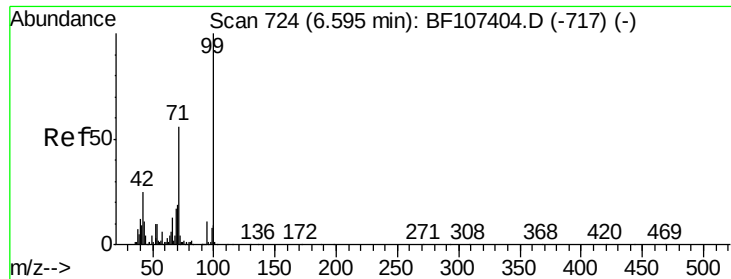


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 84.608 ng

RT: 6.60 min Scan# 724

Delta R.T. 0.00 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-1

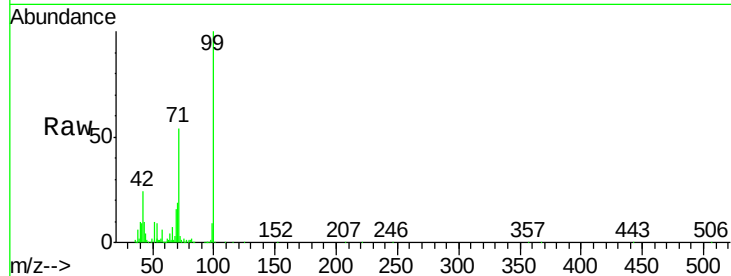
Tgt Ion: 99 Resp: 968997

Ion Ratio Lower Upper

99 100

42 24.2 14.5 21.7#

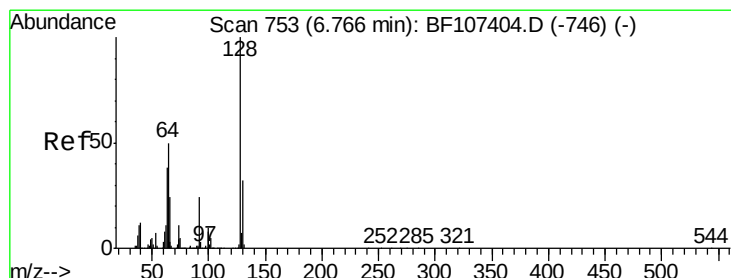
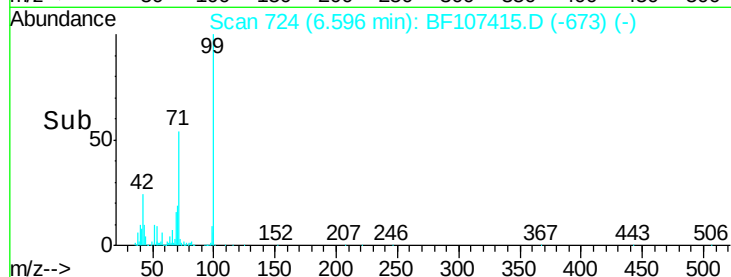
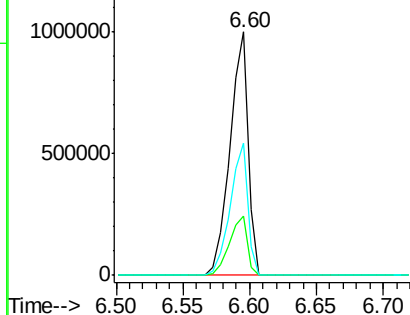
71 54.4 25.4 38.0#



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: 0.041 ng

RT: 6.77 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

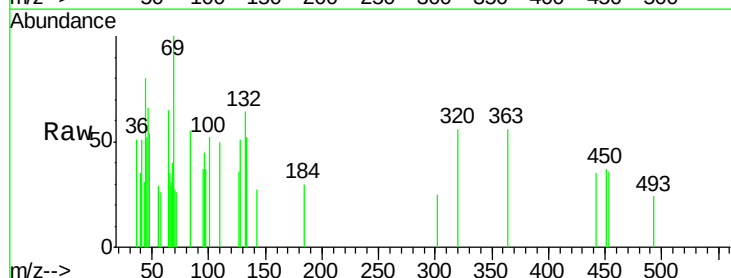
Tgt Ion: 128 Resp: 367

Ion Ratio Lower Upper

128 100

130 0.0 13.0 53.0#

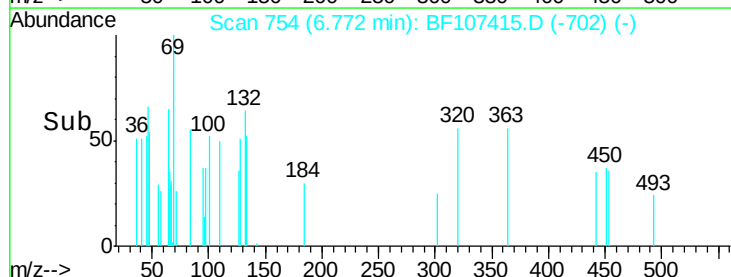
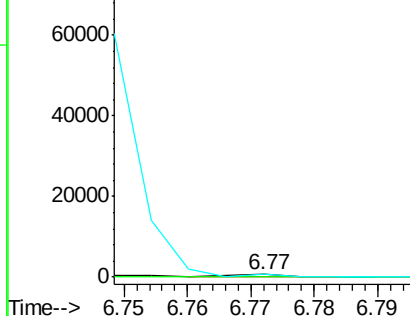
64 125.9 29.4 69.4#

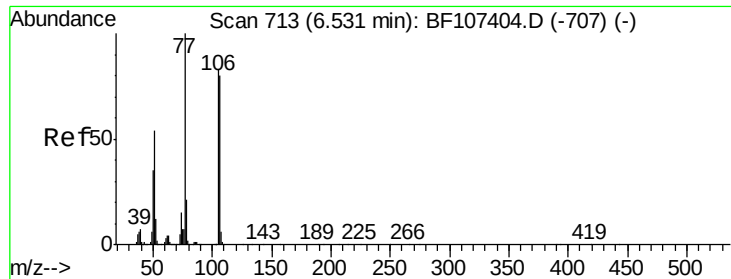


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 0.419 ng

RT: 6.59 min Scan# 723

Delta R.T. 0.06 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-1

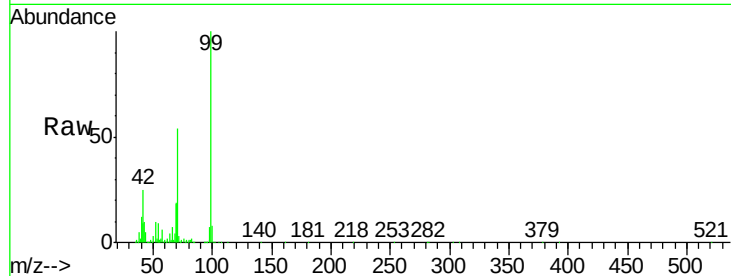
Tgt Ion: 77 Resp: 3859

Ion Ratio Lower Upper

77 100

105 11.4 81.1 121.1#

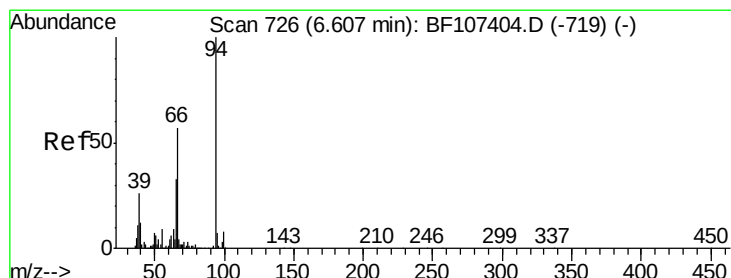
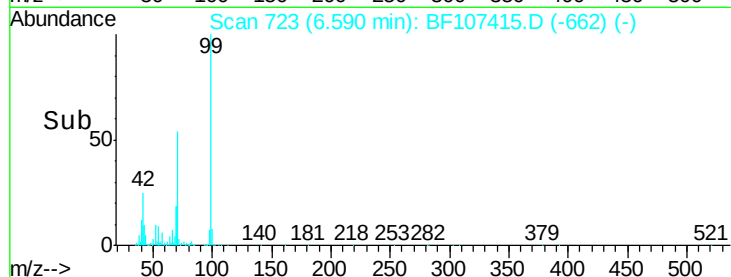
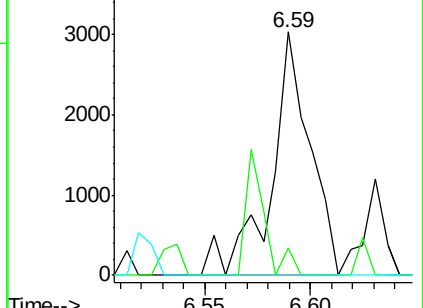
106 0.0 74.5 114.5#



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: 2.343 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

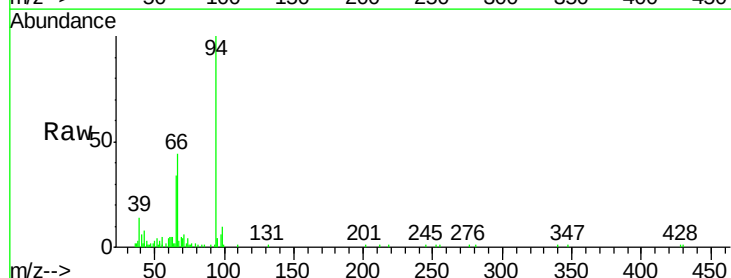
Tgt Ion: 94 Resp: 28766

Ion Ratio Lower Upper

94 100

65 34.0 7.9 47.9

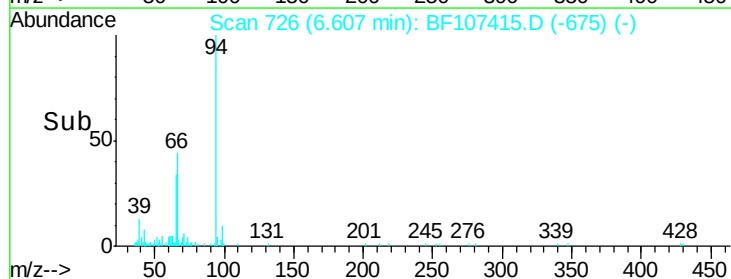
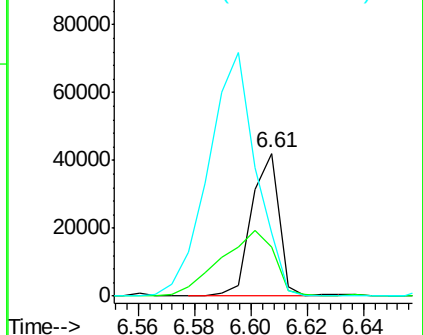
66 44.4 16.2 56.2

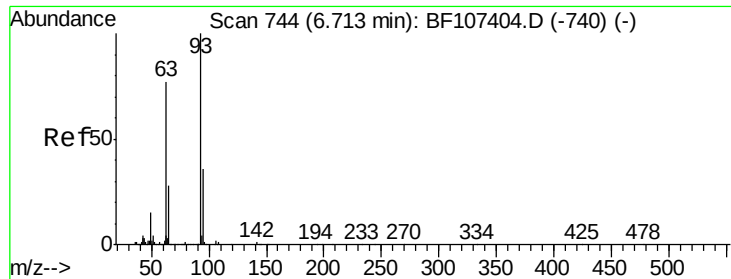


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

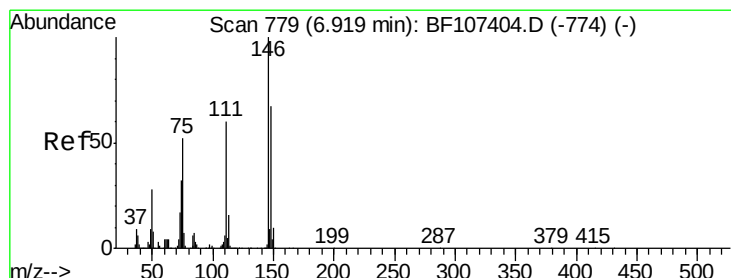
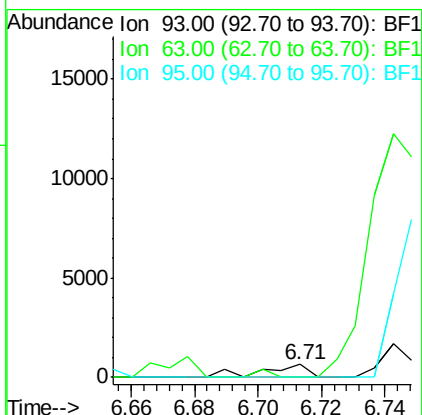
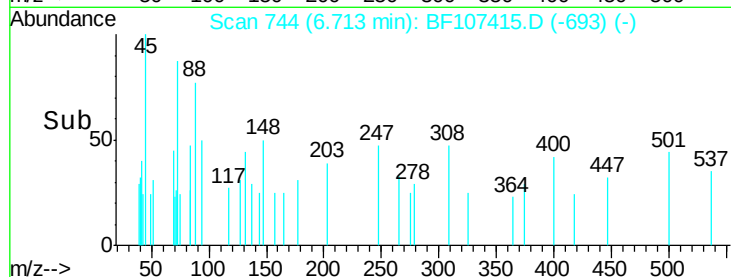
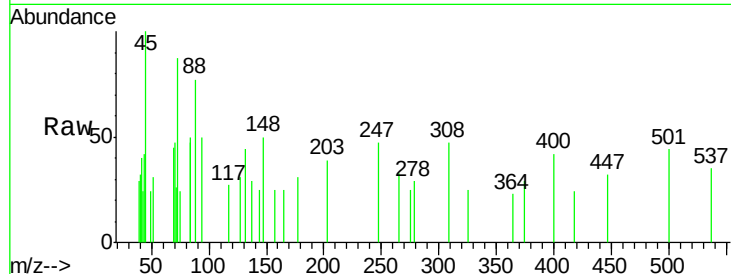




#11
bis(2-Chloroethyl)ether
Concen: 0.061 ng
RT: 6.71 min Scan# 744
Delta R.T. 0.00 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

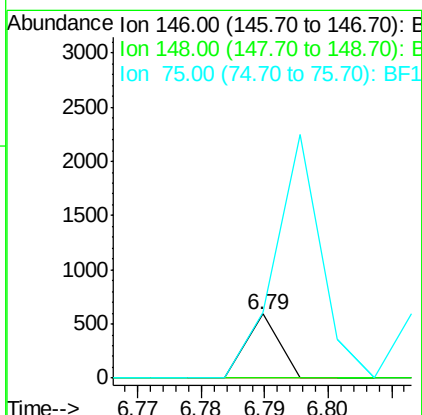
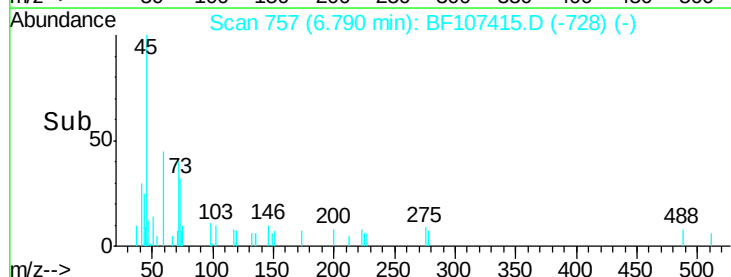
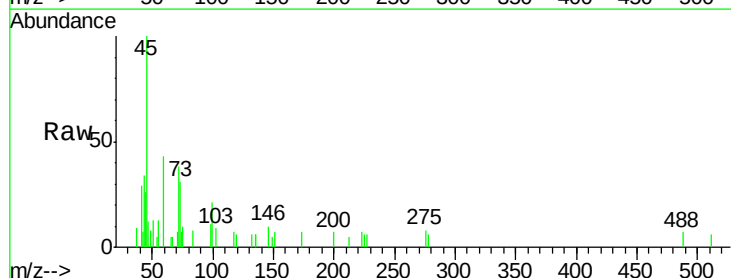
Instrument :
BNA_F
ClientSampleId :
LS-SOIL-1

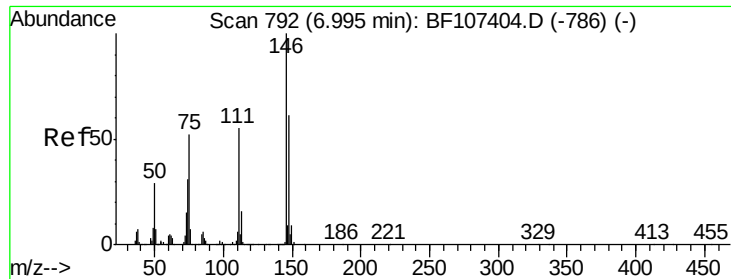
Tgt Ion: 93 Resp: 616
Ion Ratio Lower Upper
93 100
63 0.0 58.6 98.6#
95 0.0 11.8 51.8#



#12
1,3-Dichlorobenzene
Concen: 0.019 ng
RT: 6.79 min Scan# 757
Delta R.T. -0.13 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

Tgt Ion: 146 Resp: 210
Ion Ratio Lower Upper
146 100
148 0.0 51.8 77.8#
75 101.3 24.2 36.4#

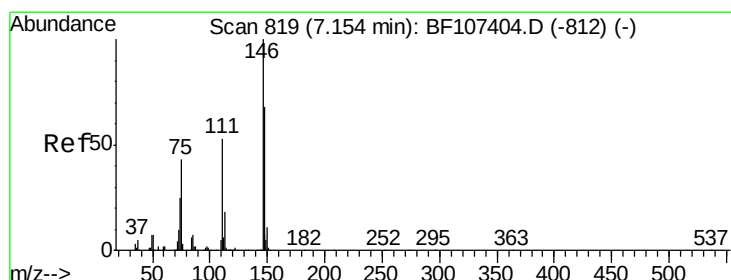
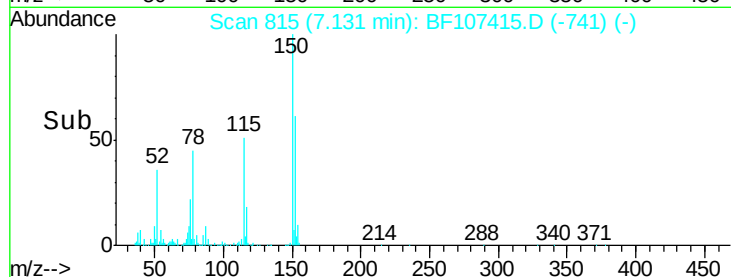
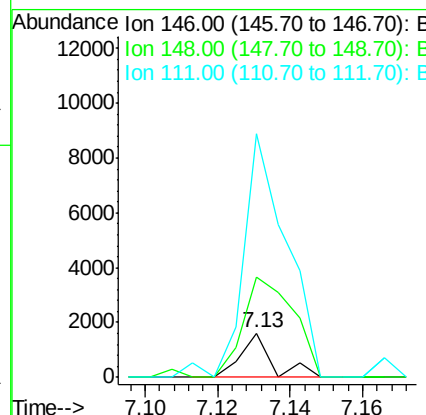
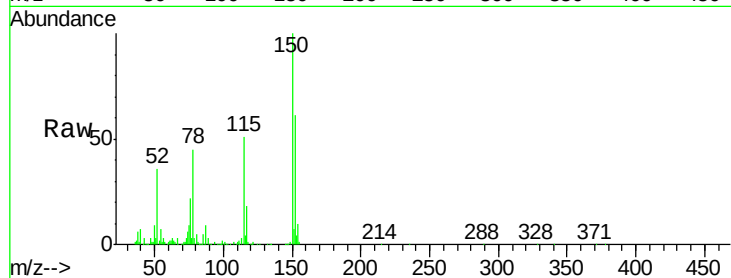




#13
 1,4-Dichlorobenzene
 Concen: 0.088 ng
 RT: 7.13 min Scan# 815
 Delta R.T. 0.14 min
 Lab File: BF107415.D
 Acq: 16 Jul 2018 21:06

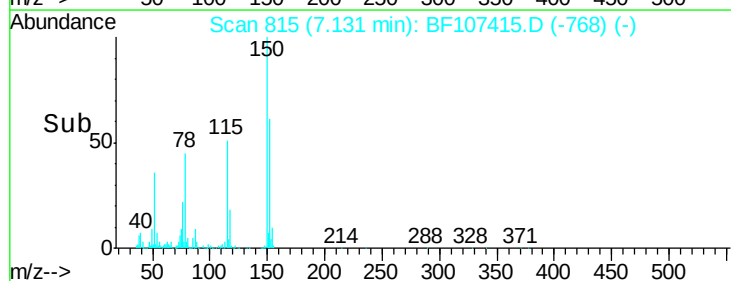
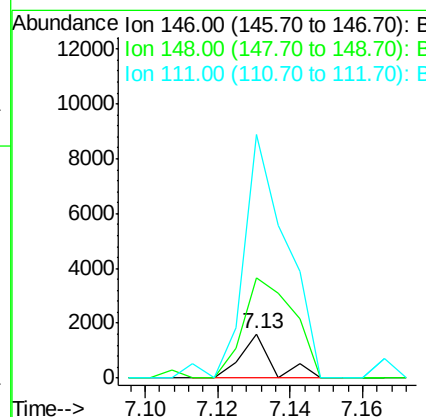
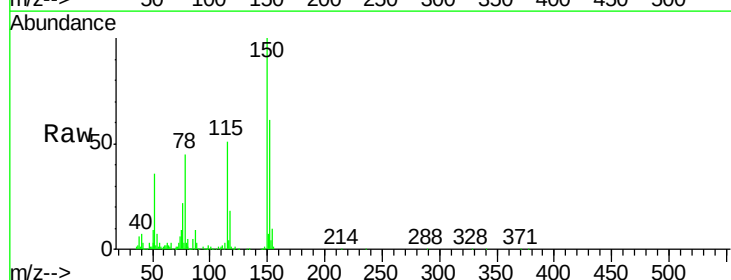
Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-1

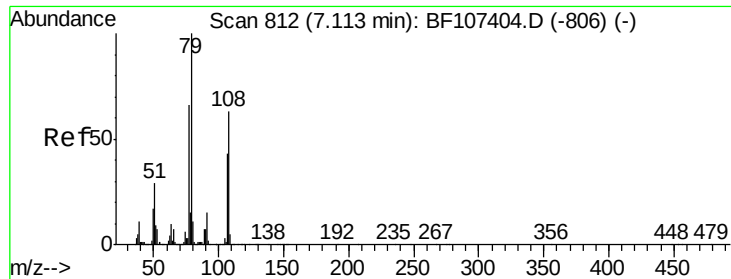
Tgt Ion:146 Resp: 950
 Ion Ratio Lower Upper
 146 100
 148 227.9 50.8 76.2#
 111 616.6 34.2 51.2#



#14
 1,2-Dichlorobenzene
 Concen: 0.094 ng
 RT: 7.13 min Scan# 815
 Delta R.T. -0.02 min
 Lab File: BF107415.D
 Acq: 16 Jul 2018 21:06

Tgt Ion:146 Resp: 950
 Ion Ratio Lower Upper
 146 100
 148 227.9 50.6 75.8#
 111 616.6 36.0 54.0#





#15

Benzyl Alcohol

Concen: 1.336 ng

RT: 7.13 min Scan# 815

Delta R.T. 0.02 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-1

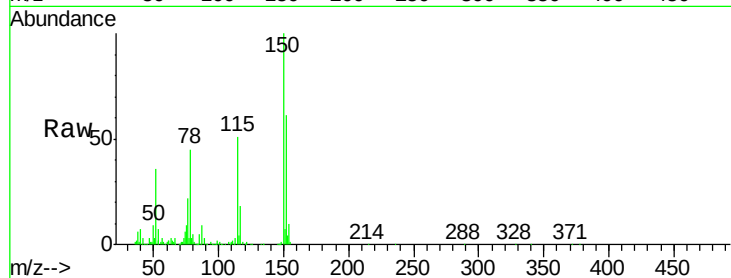
Tgt Ion: 79 Resp: 15361

Ion Ratio Lower Upper

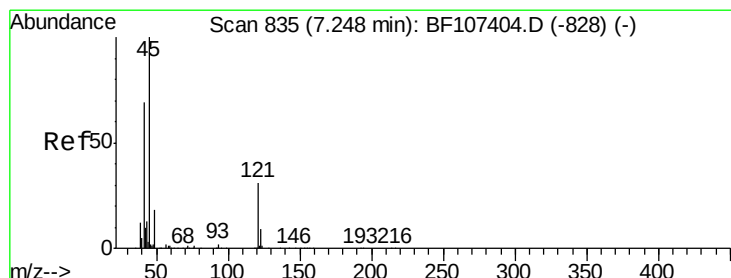
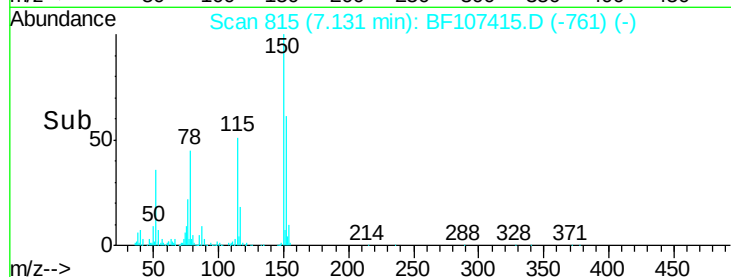
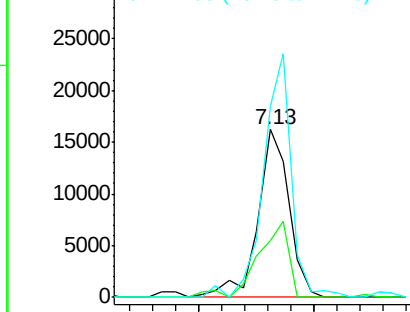
79 100

108 33.7 65.1 97.7#

77 113.6 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: 0.028 ng

RT: 7.26 min Scan# 837

Delta R.T. 0.01 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

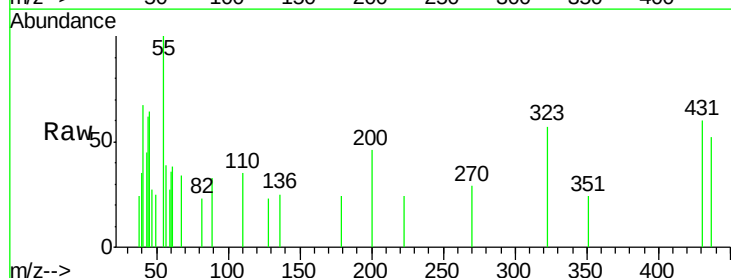
Tgt Ion: 45 Resp: 301

Ion Ratio Lower Upper

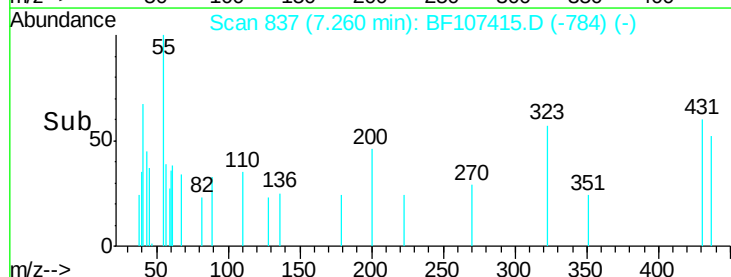
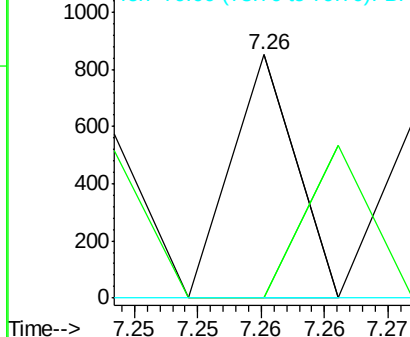
45 100

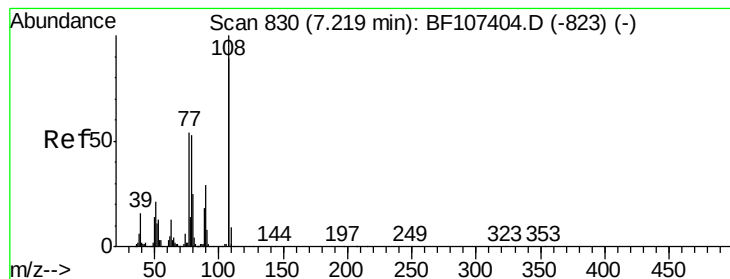
77 0.0 0.0 32.9

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: 0.013 ng

RT: 7.23 min Scan# 832

Delta R.T. 0.01 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

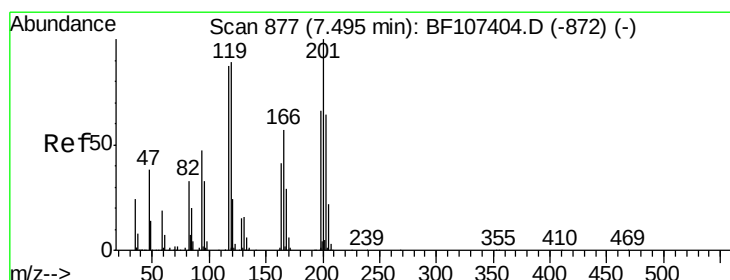
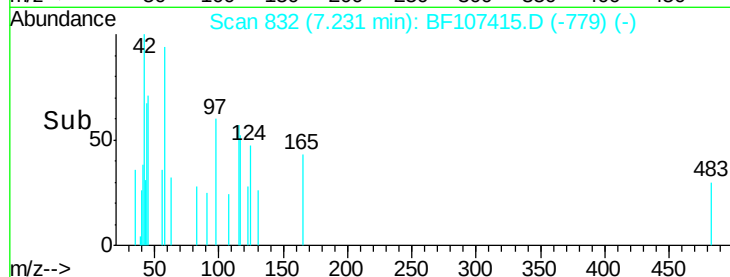
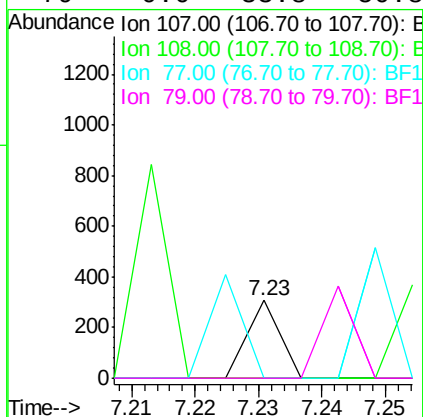
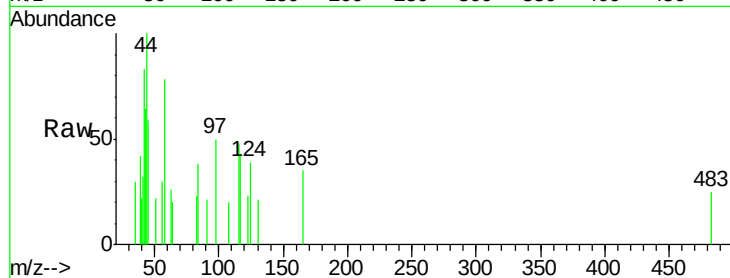
Instrument :

BNA_F

ClientSampleId :

LS-SOIL-1

Tgt Ion:	107	Resp:	108
Ion	Ratio	Lower	Upper
107	100		
108	0.0	91.7	137.5#
77	0.0	33.8	50.8#
79	0.0	33.8	50.8#



#18

Hexachloroethane

Concen: 0.151 ng

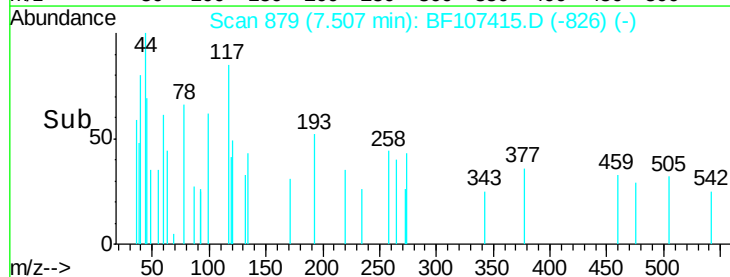
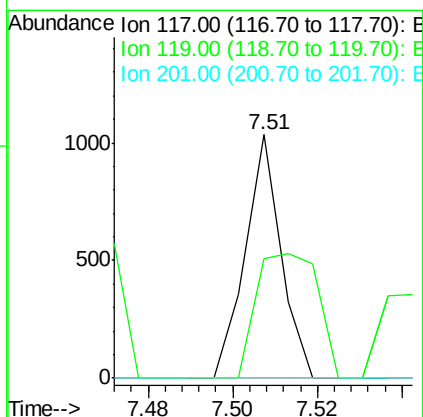
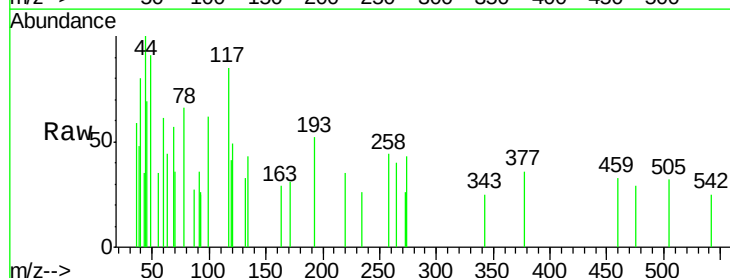
RT: 7.51 min Scan# 879

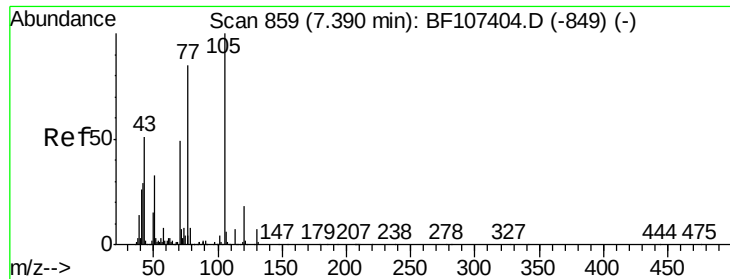
Delta R.T. 0.01 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

Tgt Ion:	117	Resp:	606
Ion	Ratio	Lower	Upper
117	100		
119	48.9	75.8	113.8#
201	0.0	75.7	113.5#

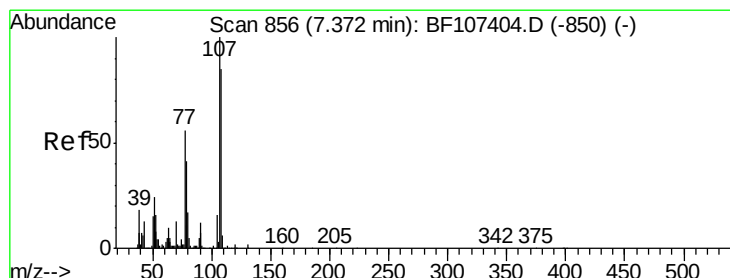
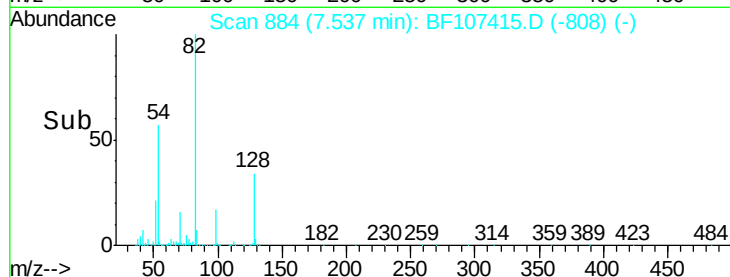
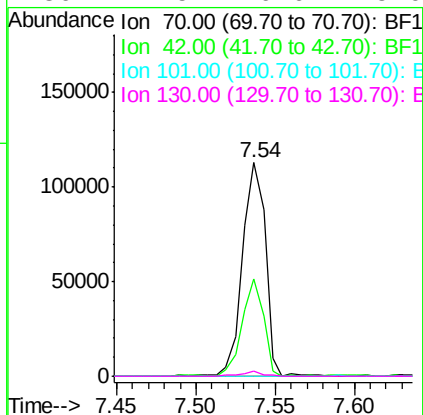
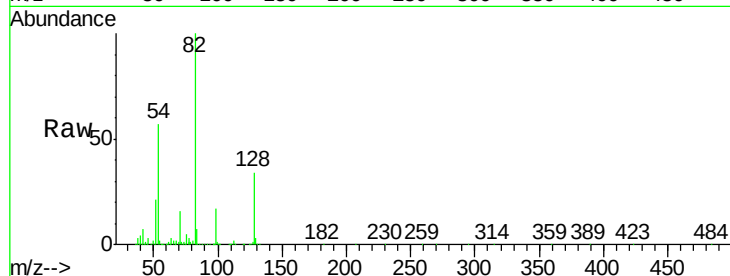




#19
n-Nitroso-di-n-propylamine
Concen: 13.814 ng
RT: 7.54 min Scan# 884
Delta R.T. 0.15 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

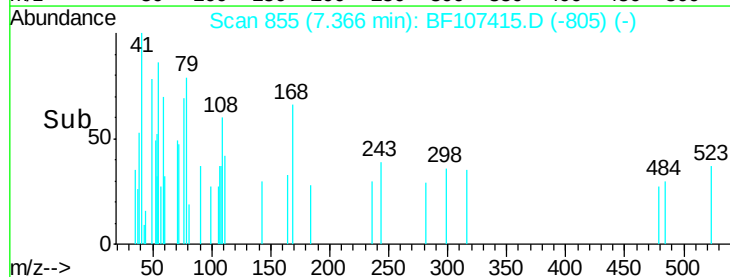
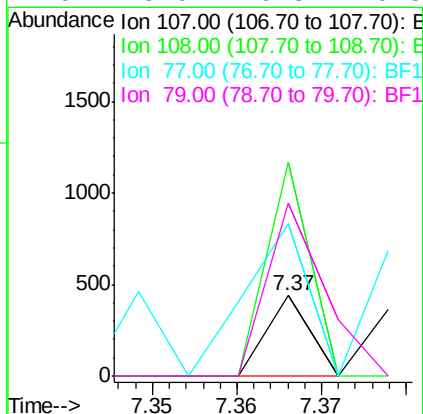
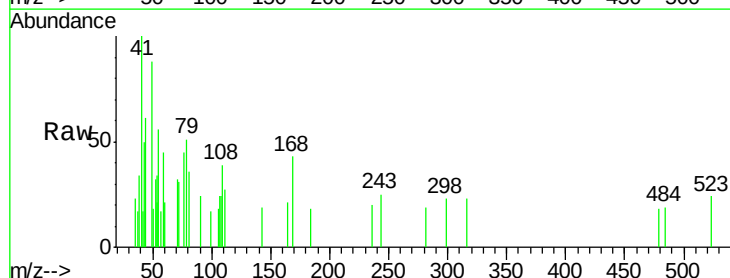
Instrument :
BNA_F
ClientSampleId :
LS-SOIL-1

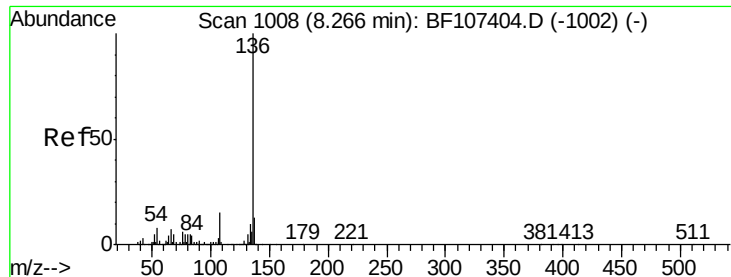
Tgt Ion: 70 Resp: 113281
Ion Ratio Lower Upper
70 100
42 45.4 47.5 71.3#
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#



#20
3+4-Methylphenols
Concen: 0.014 ng
RT: 7.37 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

Tgt Ion:107 Resp: 155
Ion Ratio Lower Upper
107 100
108 265.2 68.2 108.2#
77 188.4 26.7 66.7#
79 215.0 6.3 46.3#

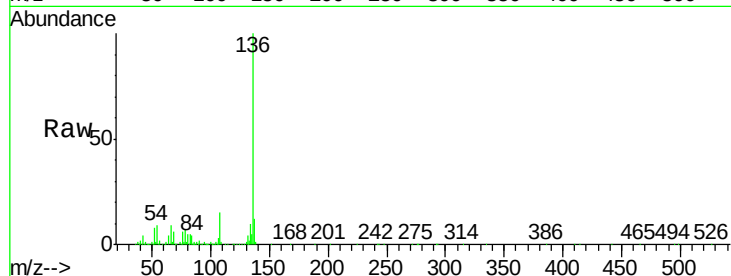




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-1

Tgt Ion:	136	Resp:	476973
Ion	Ratio	Lower	Upper
136	100		
137	12.4	8.9	13.3
54	9.4	6.6	9.8
68	5.6	5.0	7.4

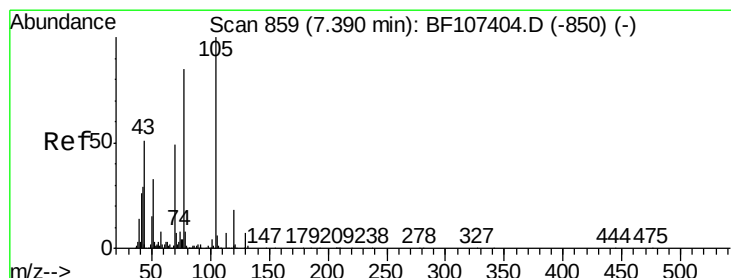
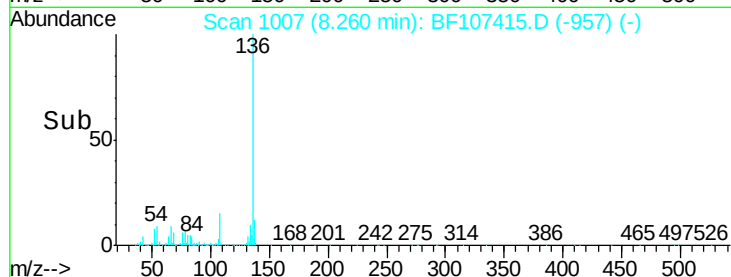
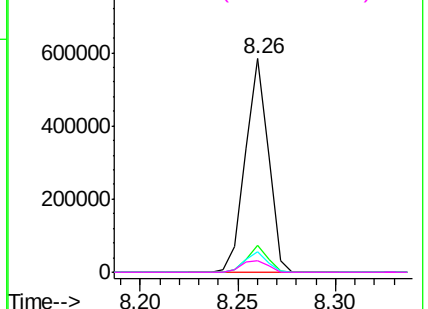


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

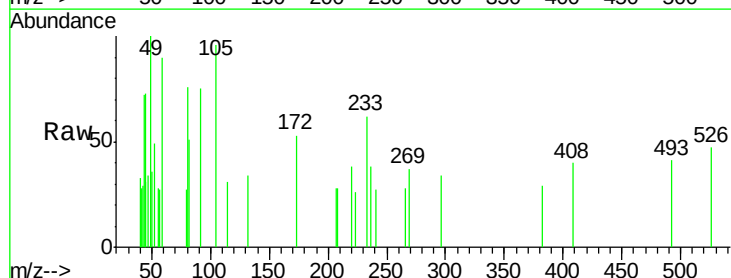
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 0.067 ng
RT: 7.37 min Scan# 856
Delta R.T. -0.02 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

Tgt Ion:	105	Resp:	880
Ion	Ratio	Lower	Upper
105	100		
71	0.0	4.4	6.6#
51	0.0	22.3	33.5#
120	0.0	16.9	25.3#

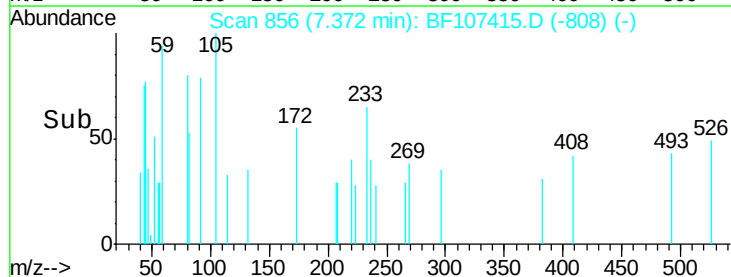
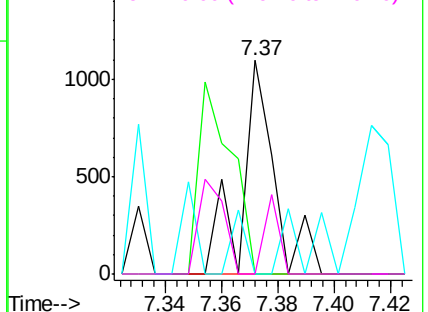


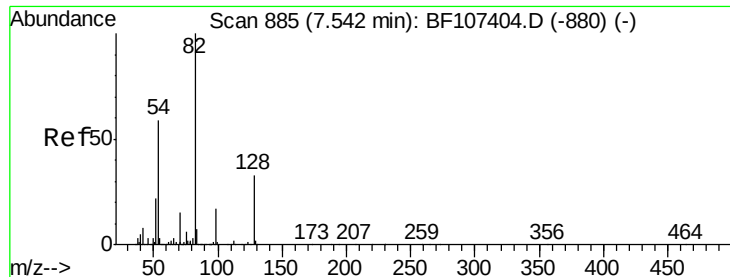
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

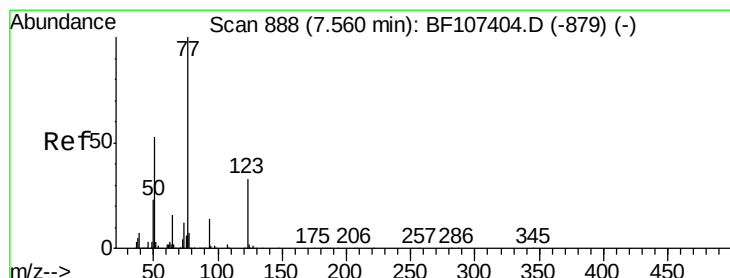
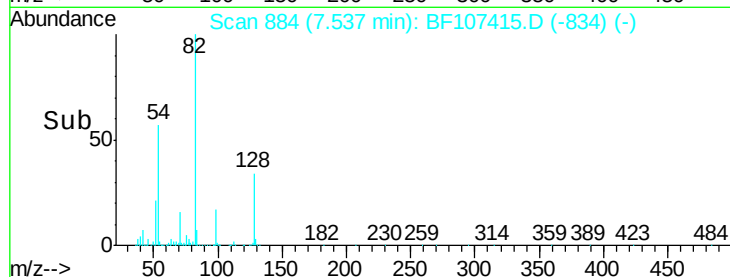
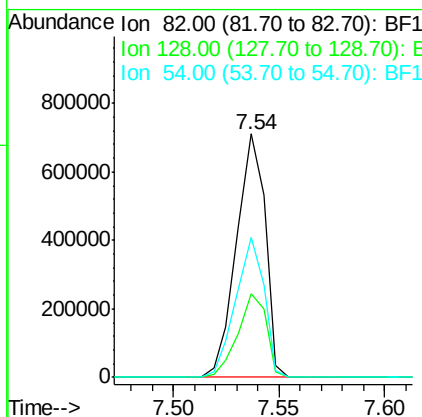
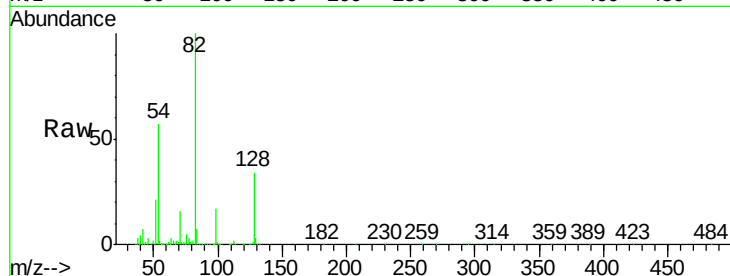




#23
 Nitrobenzene-d5
 Concen: 75.086 ng
 RT: 7.54 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF107415.D
 Acq: 16 Jul 2018 21:06

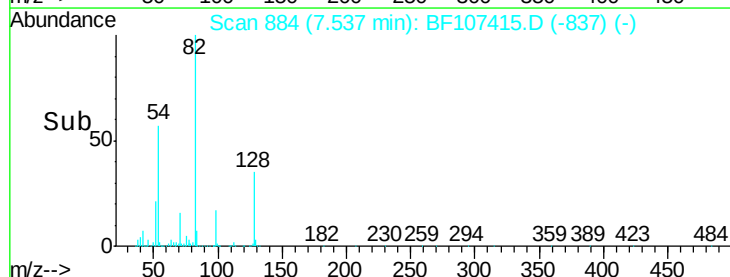
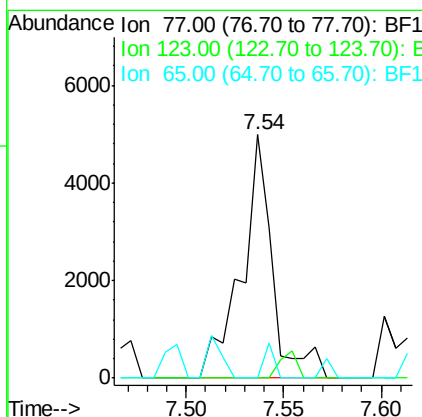
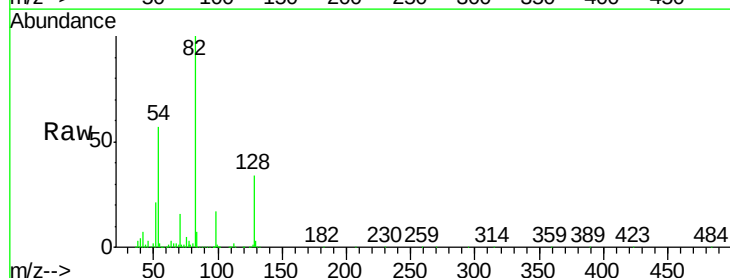
Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-1

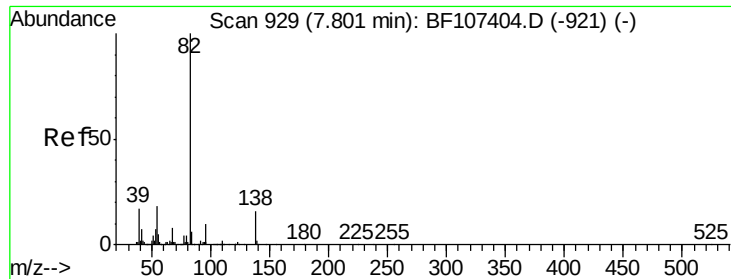
Tgt Ion: 82 Resp: 671630
 Ion Ratio Lower Upper
 82 100
 128 34.5 36.1 54.1#
 54 57.3 41.4 62.2



#24
 Nitrobenzene
 Concen: 0.544 ng
 RT: 7.54 min Scan# 884
 Delta R.T. -0.02 min
 Lab File: BF107415.D
 Acq: 16 Jul 2018 21:06

Tgt Ion: 77 Resp: 5464
 Ion Ratio Lower Upper
 77 100
 123 0.0 37.9 56.9#
 65 0.0 11.0 16.4#





#25

Isophorone

Concen: 37.882 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-1

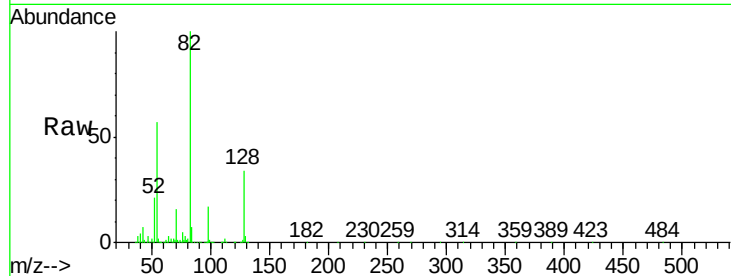
Tgt Ion: 82 Resp: 671630

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

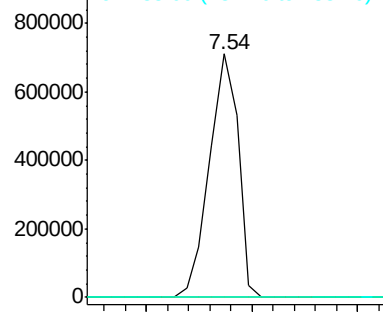
138 0.0 14.9 22.3#



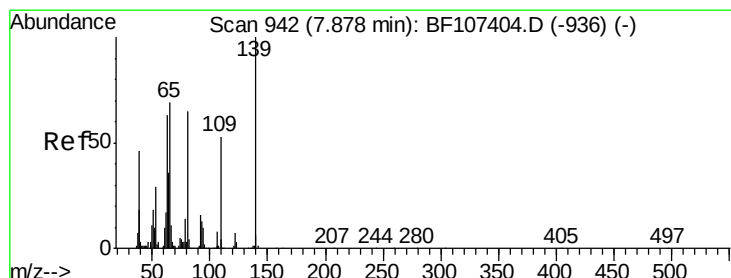
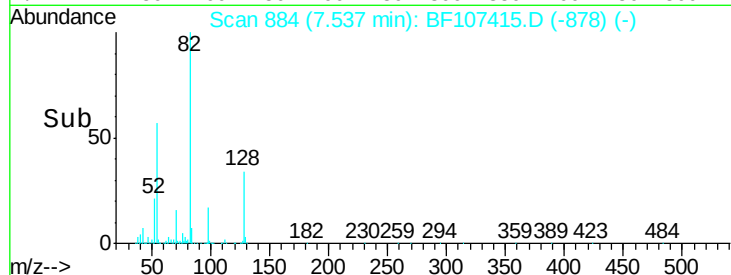
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



Time-->



#26

2-Nitrophenol

Concen: 0.034 ng

RT: 7.80 min Scan# 929

Delta R.T. -0.08 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

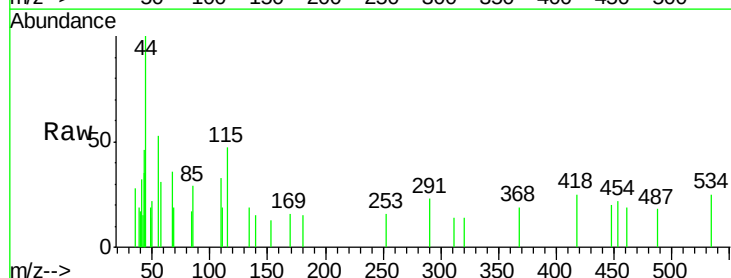
Tgt Ion: 139 Resp: 117

Ion Ratio Lower Upper

139 100

109 223.2 22.7 34.1#

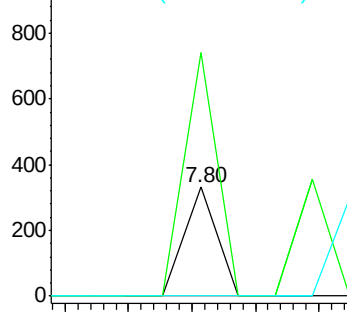
65 0.0 40.5 60.7#



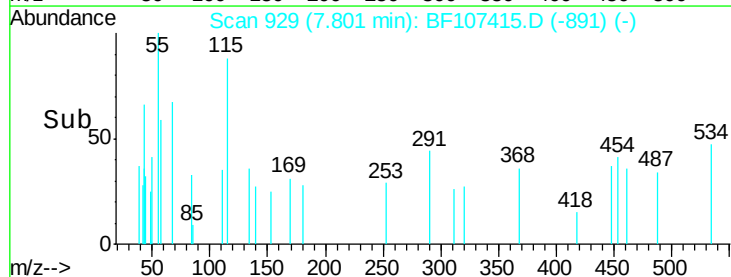
Abundance Ion 139.00 (138.70 to 139.70): E

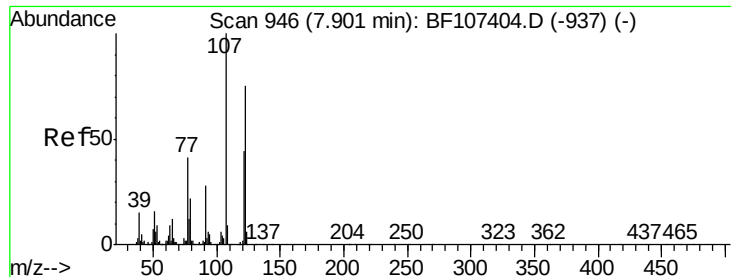
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



Time-->

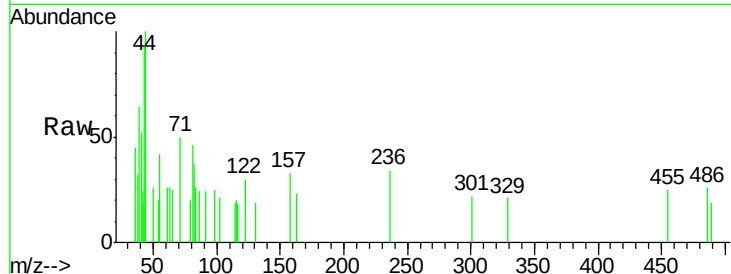




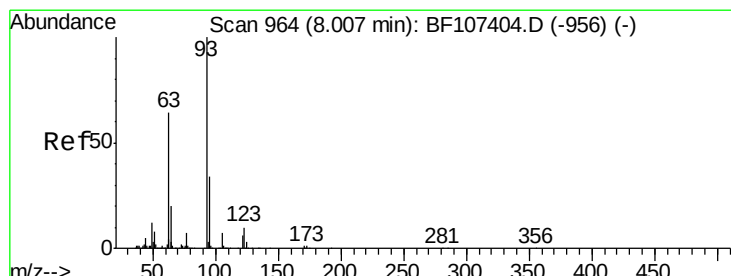
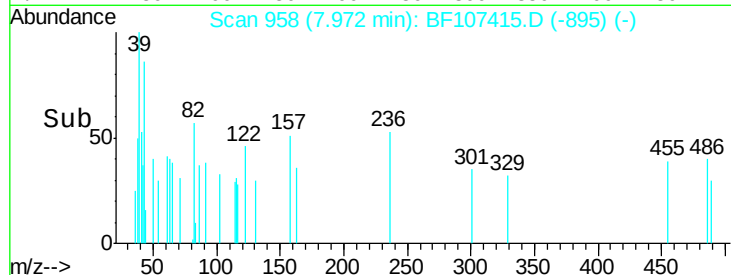
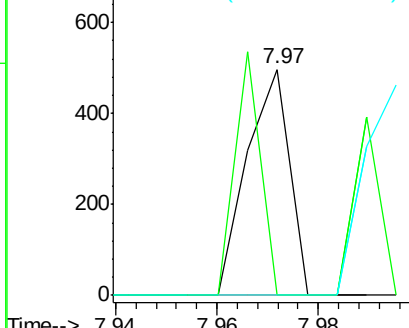
#27
 2,4-Dimethylphenol
 Concen: 0.040 ng
 RT: 7.97 min Scan# 958
 Delta R.T. 0.07 min
 Lab File: BF107415.D
 Acq: 16 Jul 2018 21:06

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-1

Tgt Ion: 122 Resp: 288
 Ion Ratio Lower Upper
 122 100
 107 0.0 91.2 136.8#
 121 0.0 47.2 70.8#

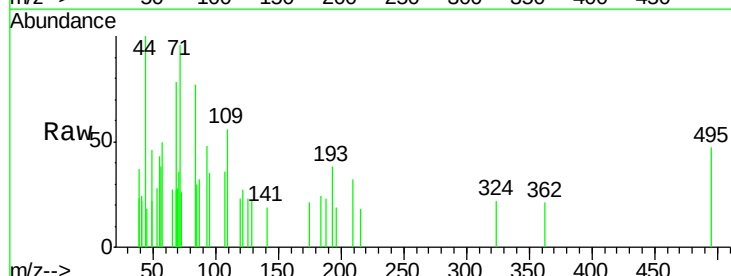


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

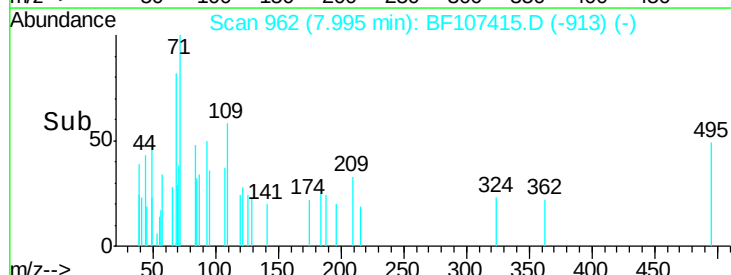
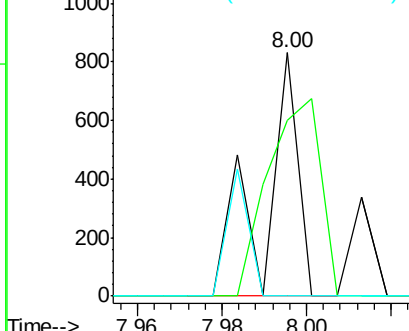


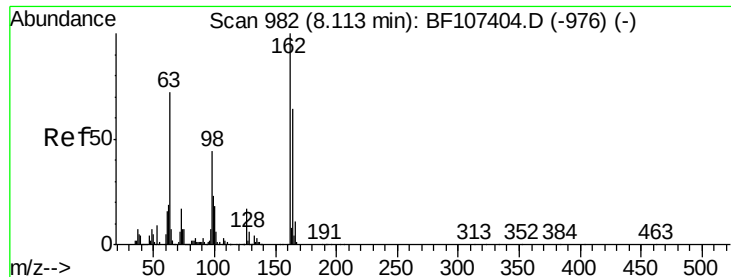
#28
 bis(2-Chloroethoxy)methane
 Concen: 0.042 ng
 RT: 8.00 min Scan# 962
 Delta R.T. -0.01 min
 Lab File: BF107415.D
 Acq: 16 Jul 2018 21:06

Tgt Ion: 93 Resp: 464
 Ion Ratio Lower Upper
 93 100
 95 72.1 26.3 39.5#
 123 0.0 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





#29

2,4-Dichlorophenol

Concen: 0.024 ng

RT: 8.14 min Scan# 987

Delta R.T. 0.03 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-1

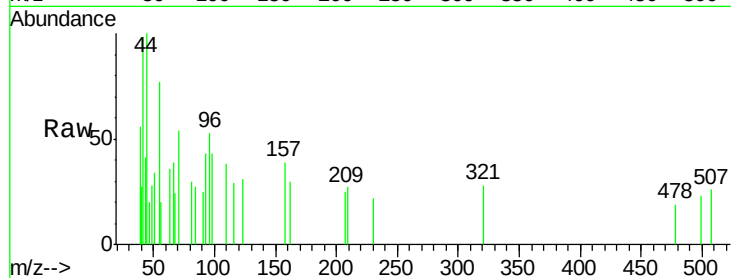
Tgt Ion:162 Resp: 176

Ion Ratio Lower Upper

162 100

164 0.0 42.7 82.7#

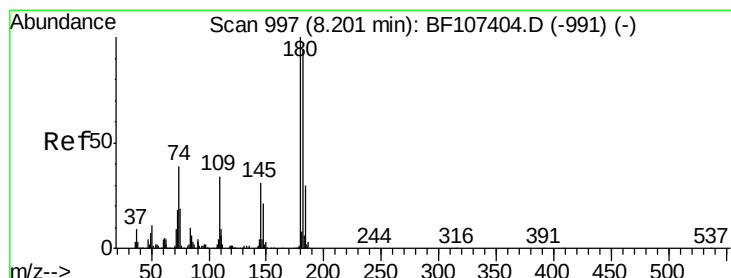
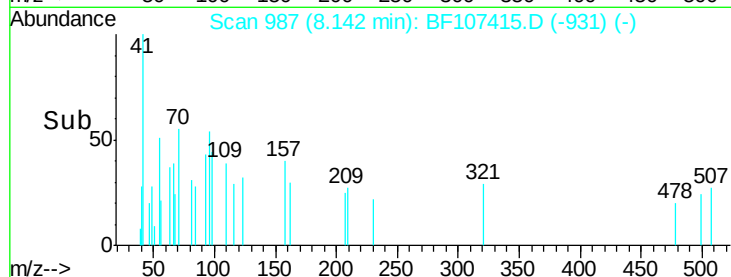
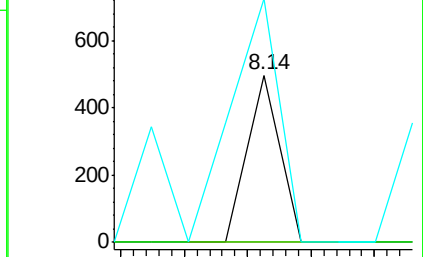
98 145.6 18.1 58.1#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 0.014 ng

RT: 8.12 min Scan# 984

Delta R.T. -0.08 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

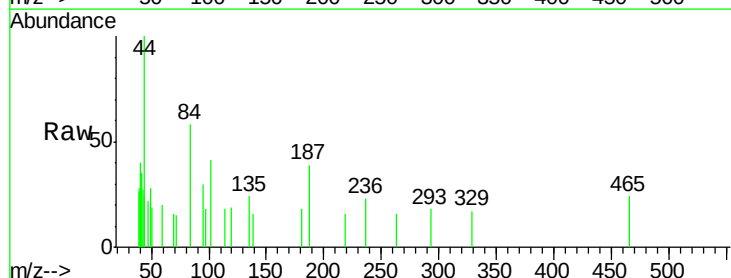
Tgt Ion:180 Resp: 126

Ion Ratio Lower Upper

180 100

182 0.0 76.8 115.2#

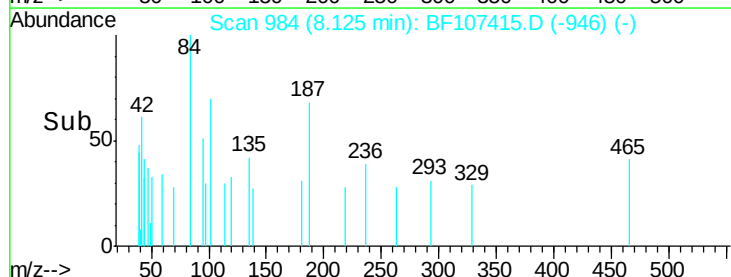
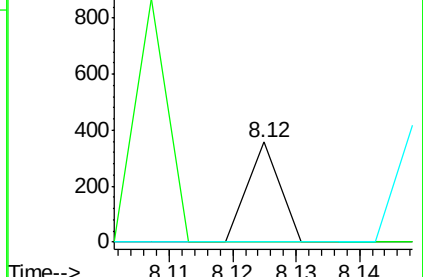
145 0.0 26.5 39.7#

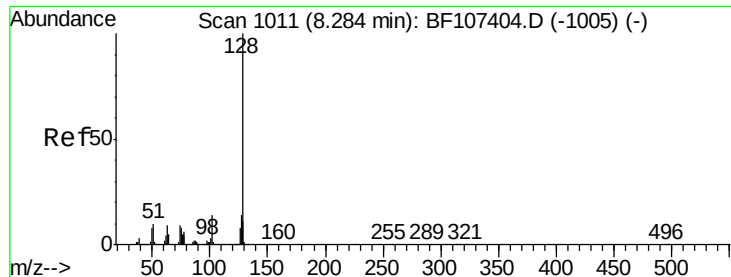


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

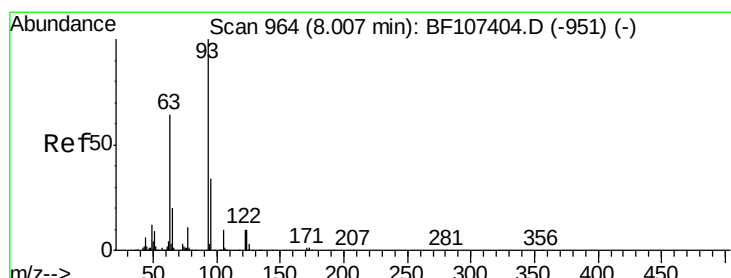
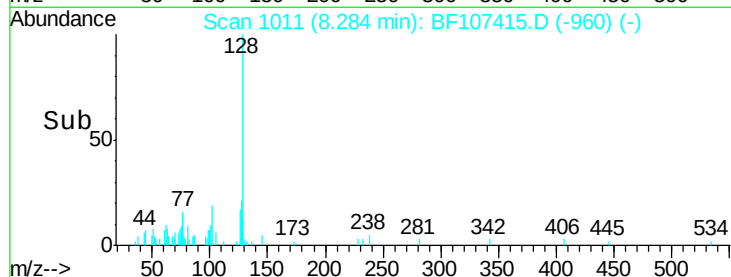
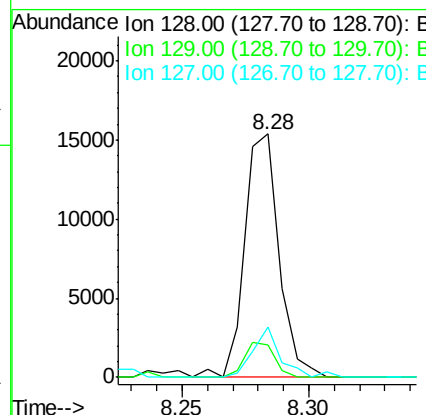
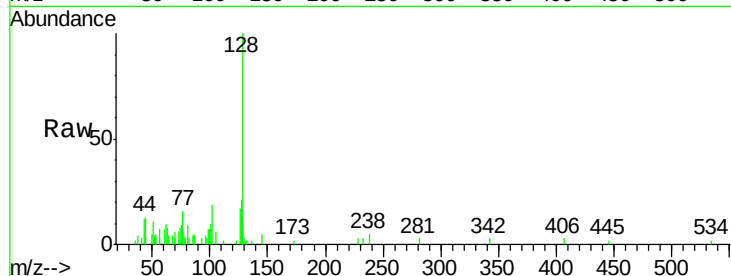




#31
Naphthalene
Concen: 0.624 ng
RT: 8.28 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

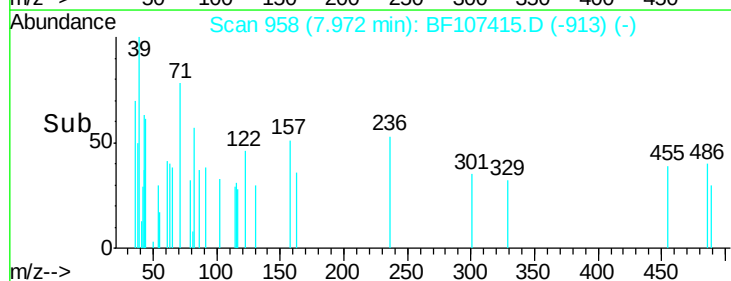
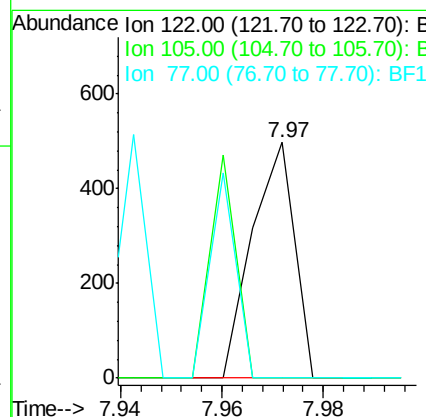
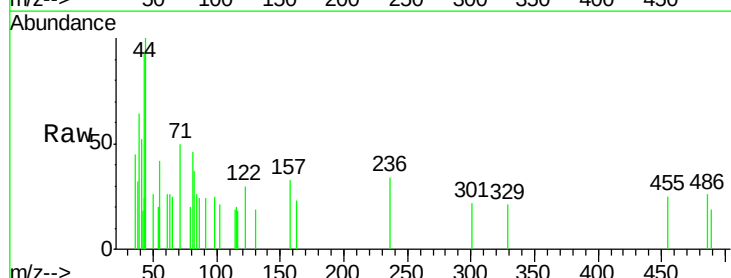
Instrument :
BNA_F
ClientSampleId :
LS-SOIL-1

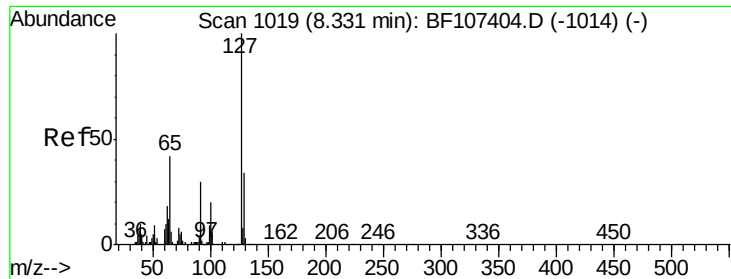
Tgt Ion:128 Resp: 14459
Ion Ratio Lower Upper
128 100
129 13.1 8.8 13.2
127 20.7 10.9 16.3#



#32
Benzoic acid
Concen: 0.066 ng
RT: 7.97 min Scan# 958
Delta R.T. -0.04 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

Tgt Ion:122 Resp: 288
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 0.0 70.7 110.7#

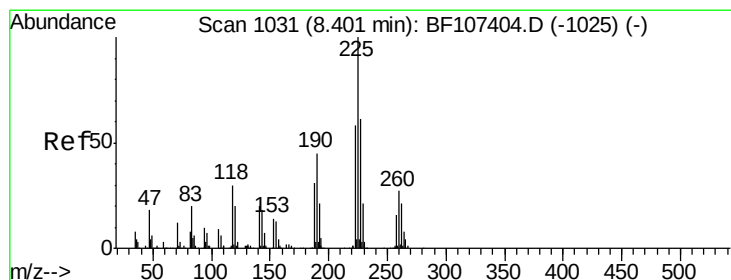
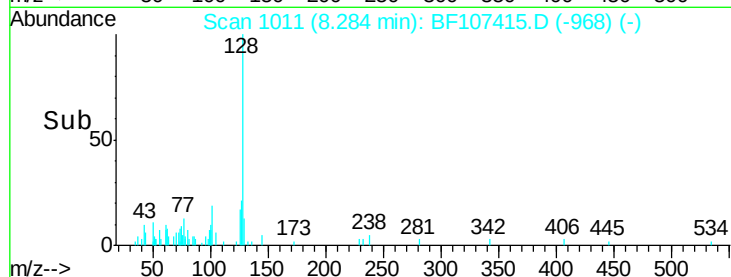
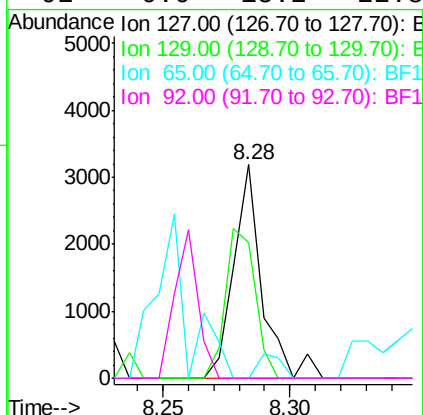
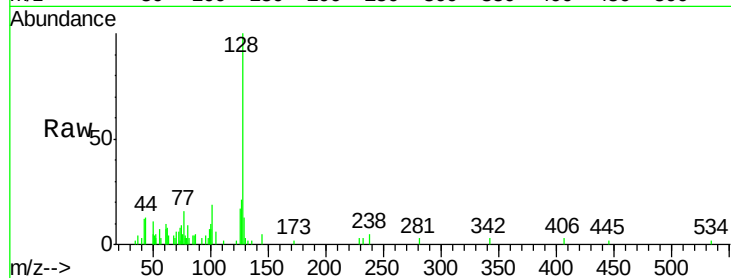




#33
4-Chloroaniline
Concen: 0.245 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.05 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

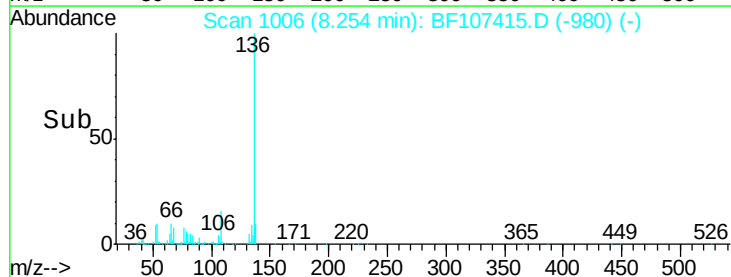
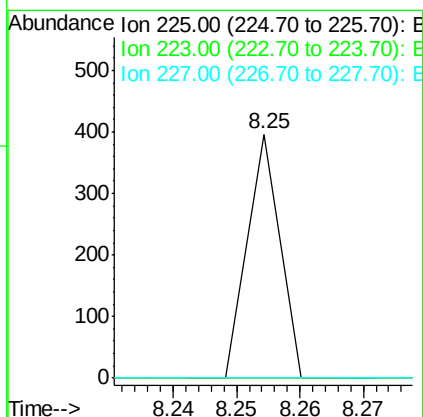
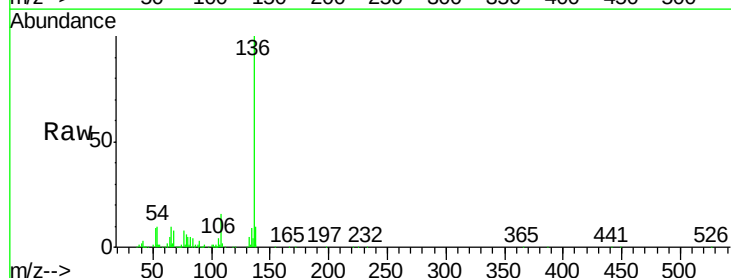
Instrument :
BNA_F
ClientSampleId :
LS-SOIL-1

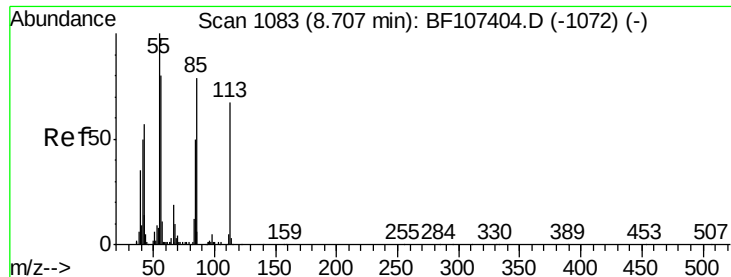
Tgt Ion:	127	Resp:	2463
Ion	Ratio	Lower	Upper
127	100		
129	63.4	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#34
Hexachlorobutadiene
Concen: 0.023 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.15 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

Tgt Ion:	225	Resp:	140
Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.6	76.0#
227	0.0	51.9	77.9#

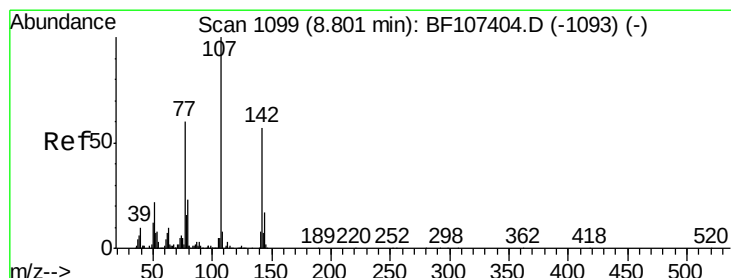
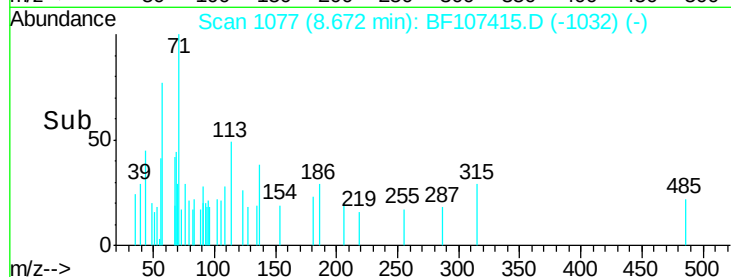
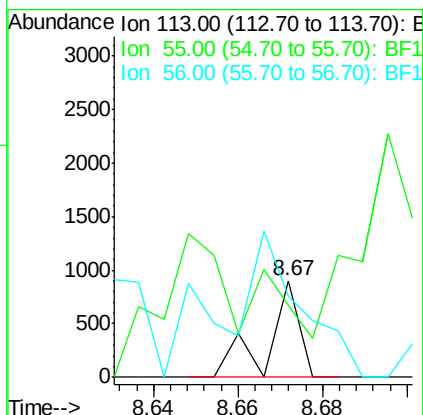
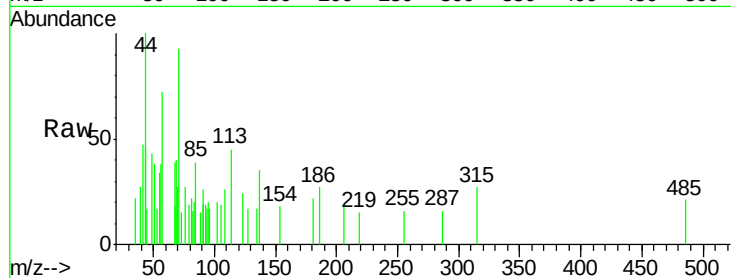




#35
 Caprolactam
 Concen: 0.192 ng
 RT: 8.67 min Scan# 1077
 Delta R.T. -0.04 min
 Lab File: BF107415.D
 Acq: 16 Jul 2018 21:06

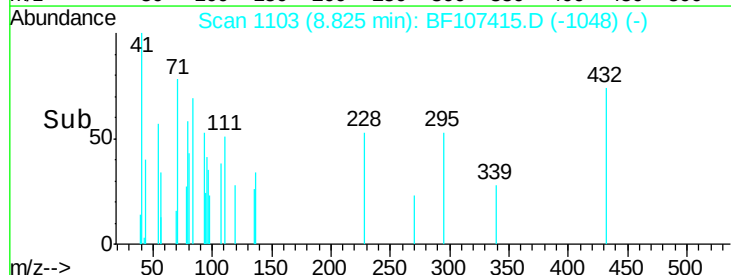
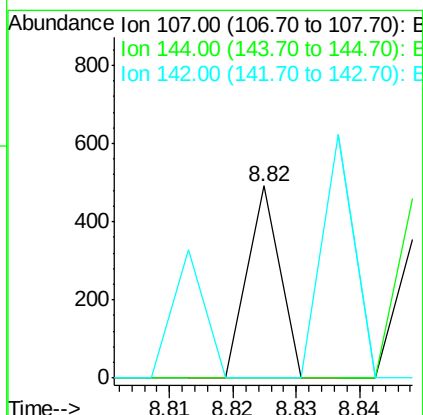
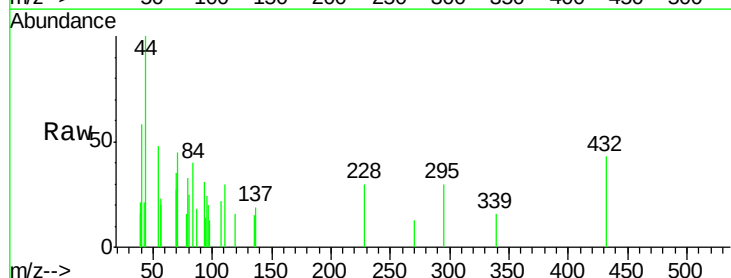
Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-1

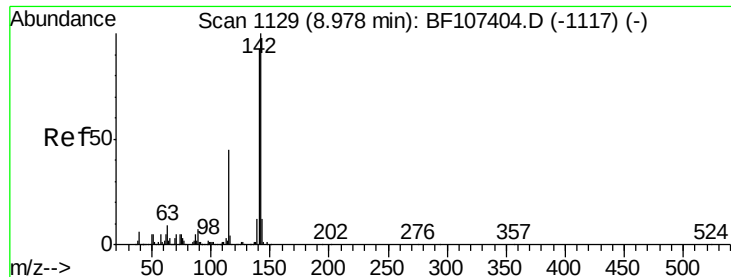
Tgt Ion:113 Resp: 463
 Ion Ratio Lower Upper
 113 100
 55 74.6 163.3 203.3#
 56 84.2 115.7 155.7#



#36
 4-Chloro-3-methylphenol
 Concen: 0.018 ng
 RT: 8.82 min Scan# 1103
 Delta R.T. 0.02 min
 Lab File: BF107415.D
 Acq: 16 Jul 2018 21:06

Tgt Ion:107 Resp: 174
 Ion Ratio Lower Upper
 107 100
 144 0.0 20.5 30.7#
 142 0.0 62.0 93.0#

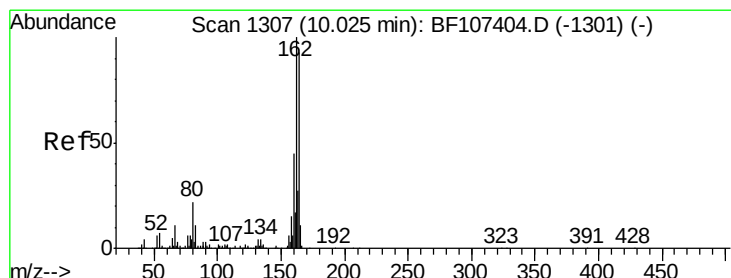
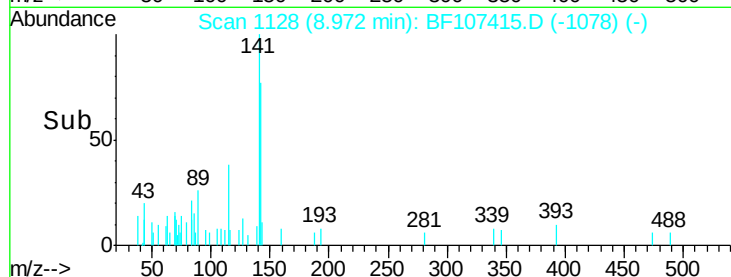
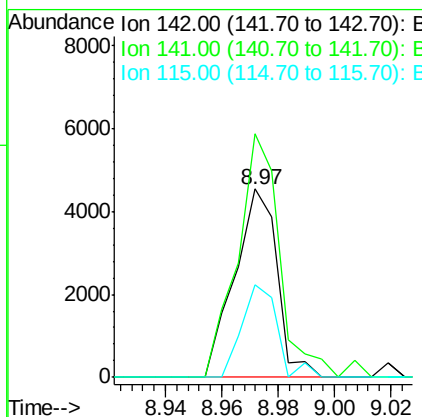
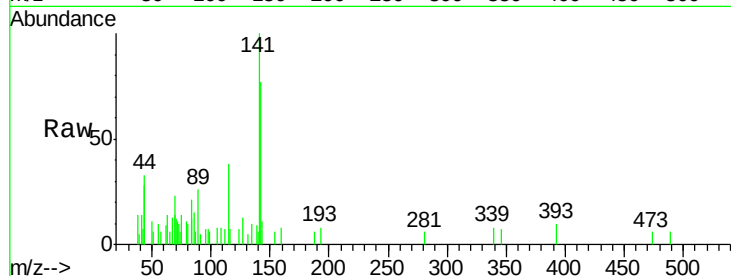




#37
 2-Methylnaphthalene
 Concen: 0.309 ng
 RT: 8.97 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF107415.D
 Acq: 16 Jul 2018 21:06

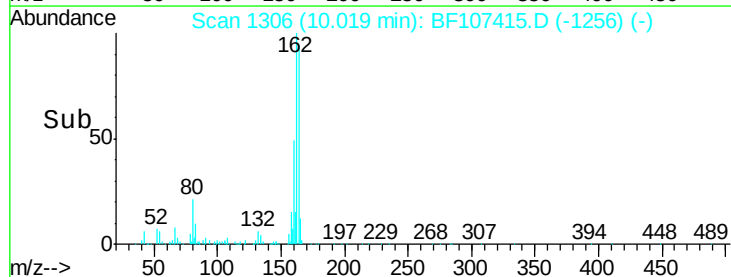
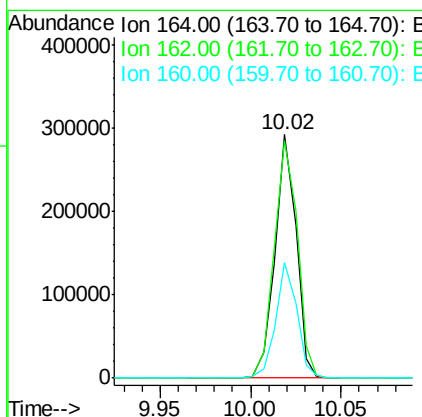
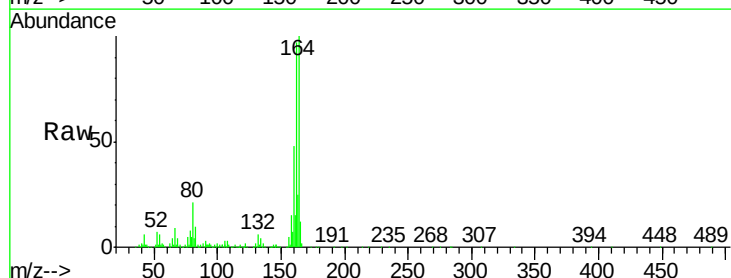
Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-1

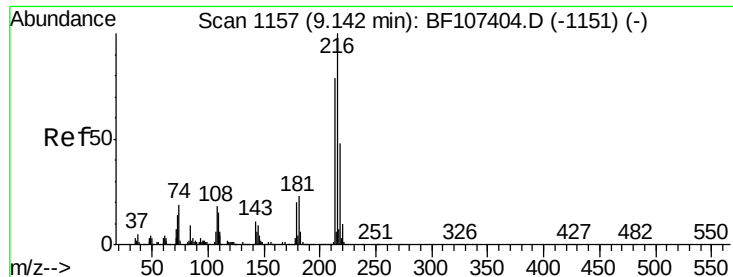
Tgt Ion:142 Resp: 4723
 Ion Ratio Lower Upper
 142 100
 141 129.1 70.8 106.2#
 115 48.8 26.1 39.1#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1306
 Delta R.T. -0.01 min
 Lab File: BF107415.D
 Acq: 16 Jul 2018 21:06

Tgt Ion:164 Resp: 237505
 Ion Ratio Lower Upper
 164 100
 162 97.2 86.1 129.1
 160 47.7 38.3 57.5

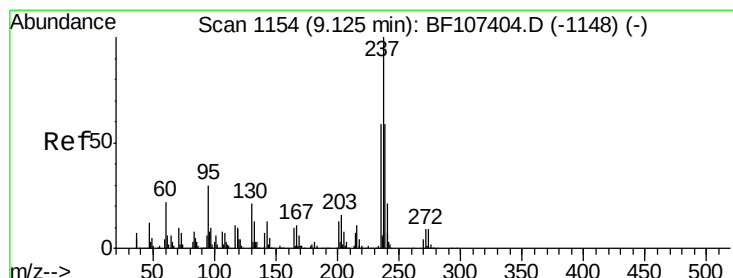
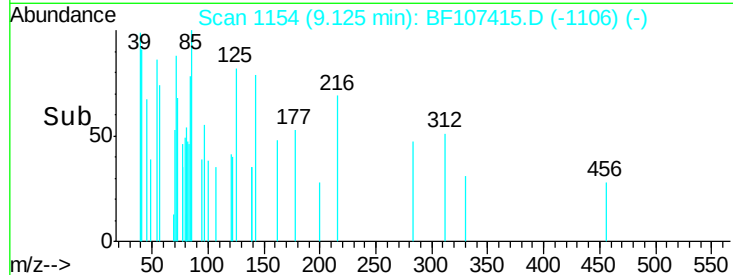
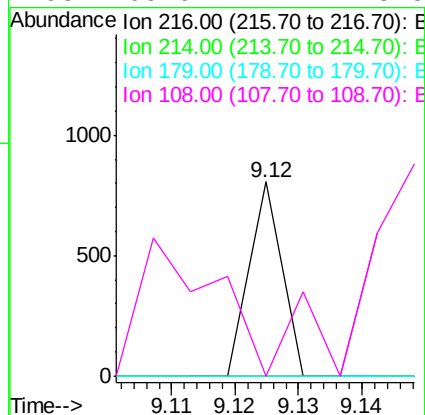
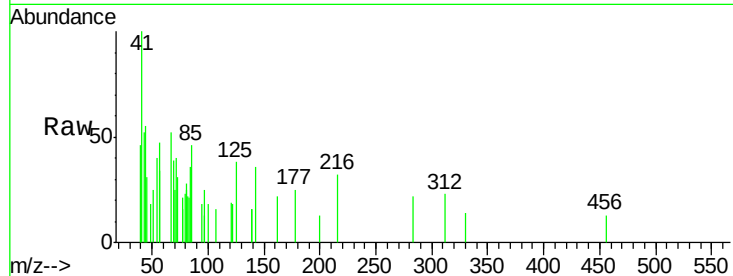




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 0.031 ng
 RT: 9.12 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: BF107415.D
 Acq: 16 Jul 2018 21:06

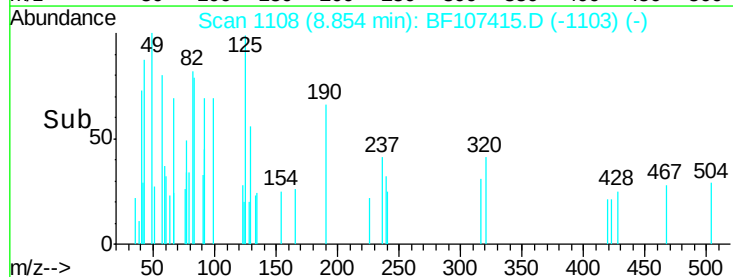
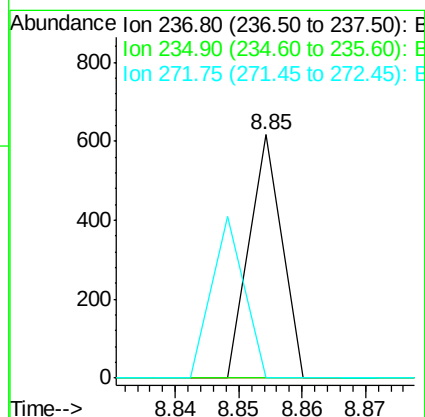
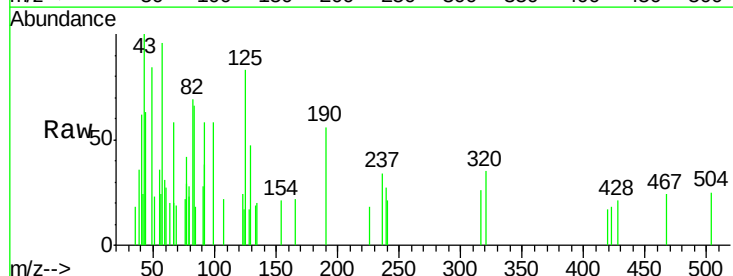
Instrument :
 BNA_F
 ClientSampled :
 LS-SOIL-1

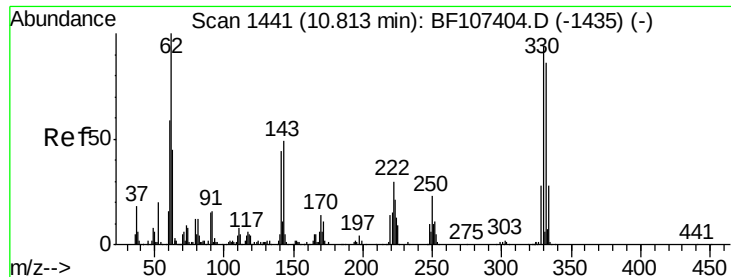
Tgt Ion	Ratio	Lower	Upper
216	100		
214	0.0	63.0	94.4#
179	0.0	18.1	27.1#
108	165.6	17.2	25.8#



#40
 Hexachlorocyclopentadiene
 Concen: 0.045 ng
 RT: 8.85 min Scan# 1108
 Delta R.T. -0.27 min
 Lab File: BF107415.D
 Acq: 16 Jul 2018 21:06

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





#41

2,4,6-Tribromophenol

Concen: 74.995 ng

RT: 10.81 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-1

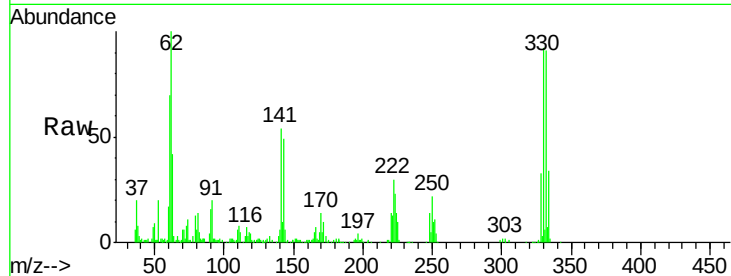
Tgt Ion:330 Resp: 156497

Ion Ratio Lower Upper

330 100

332 102.7 77.0 115.6

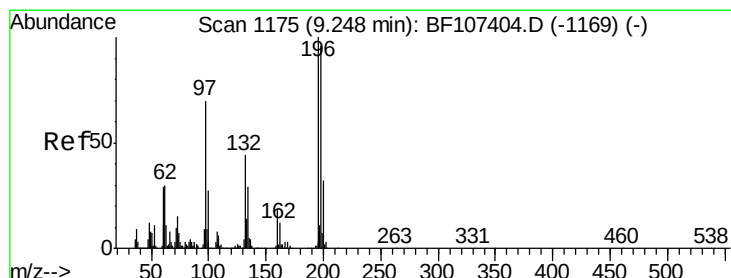
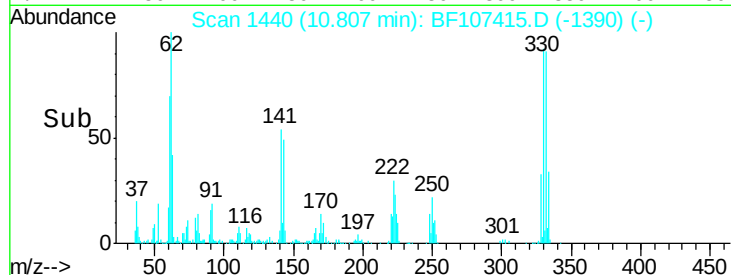
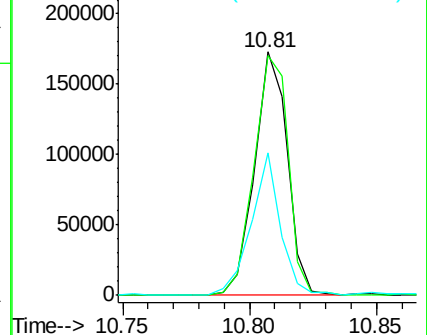
141 52.0 29.9 44.9#



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: 0.020 ng

RT: 9.21 min Scan# 1169

Delta R.T. -0.04 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

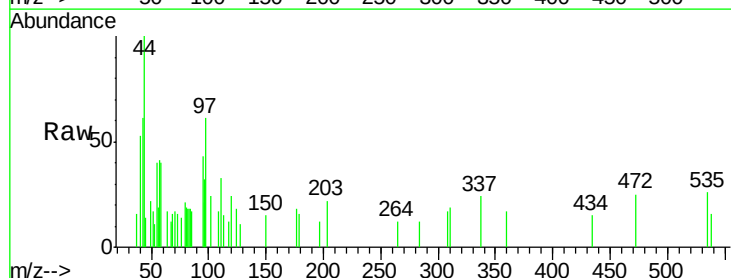
Tgt Ion:196 Resp: 114

Ion Ratio Lower Upper

196 100

198 0.0 75.7 113.5#

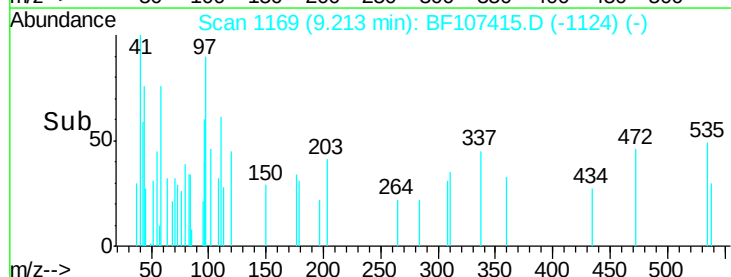
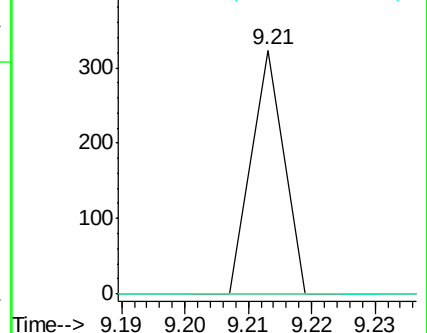
200 0.0 24.5 36.7#

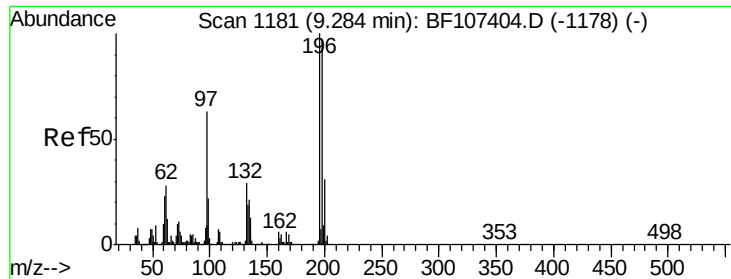


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

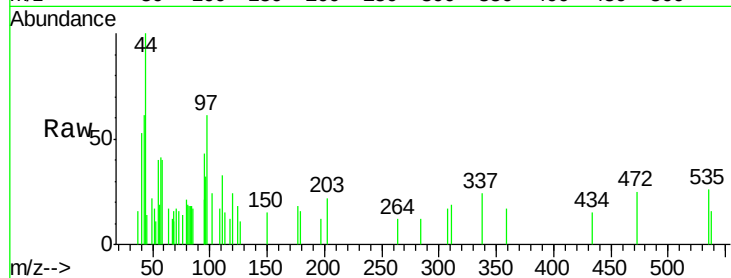




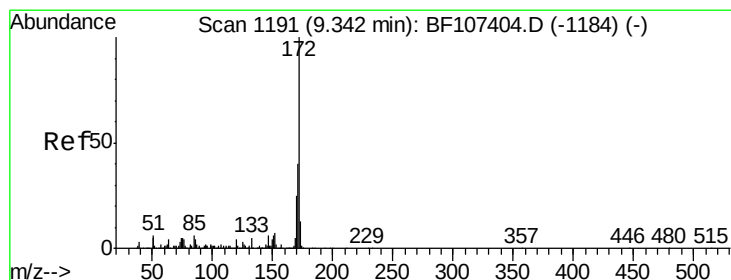
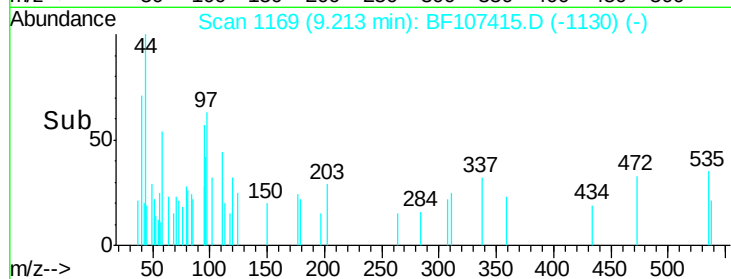
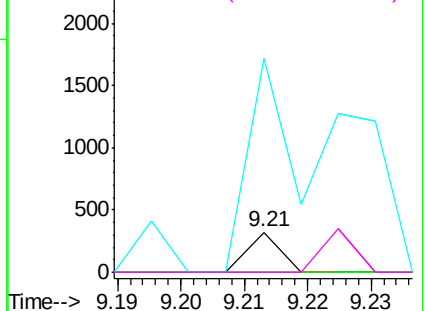
#43
2,4,5-Trichlorophenol
Concen: 0.021 ng
RT: 9.21 min Scan# 1169
Delta R.T. -0.07 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-1

Tgt Ion:196 Resp: 114
Ion Ratio Lower Upper
196 100
198 0.0 74.6 112.0#
97 531.3 42.9 64.3#
132 0.0 26.3 39.5#

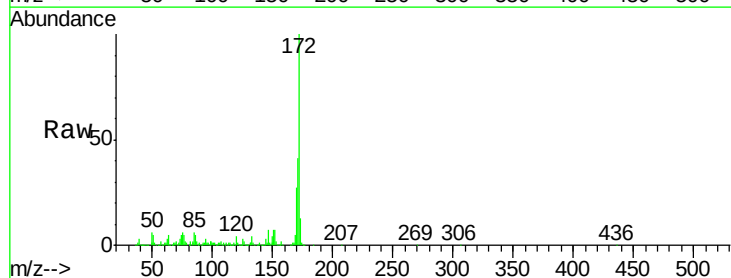


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BF1
Ion 132.00 (131.70 to 132.70): E

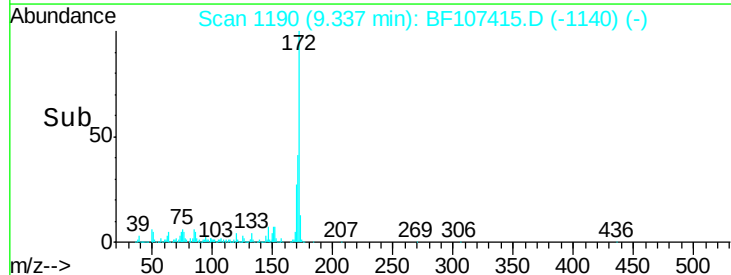
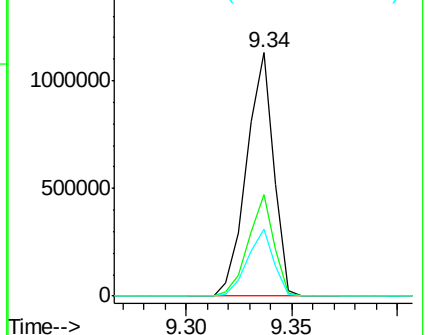


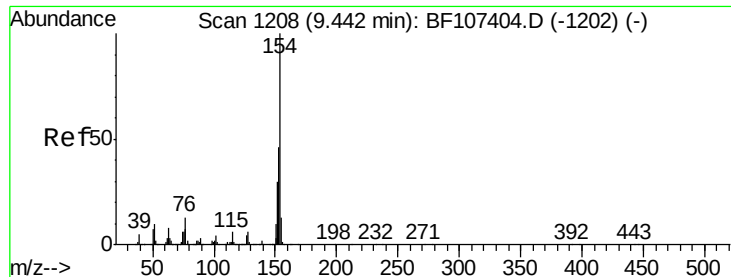
#44
2-Fluorobiphenyl
Concen: 68.486 ng
RT: 9.34 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

Tgt Ion:172 Resp: 1005555
Ion Ratio Lower Upper
172 100
171 41.5 29.7 44.5
170 27.4 19.6 29.4



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

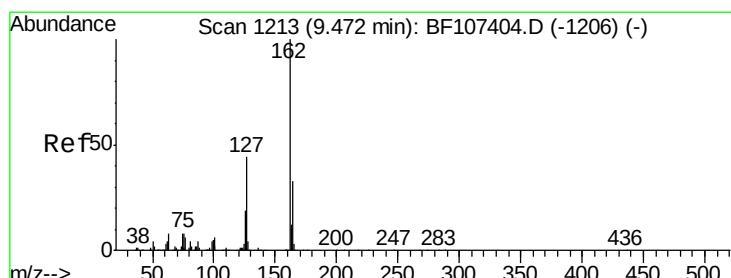
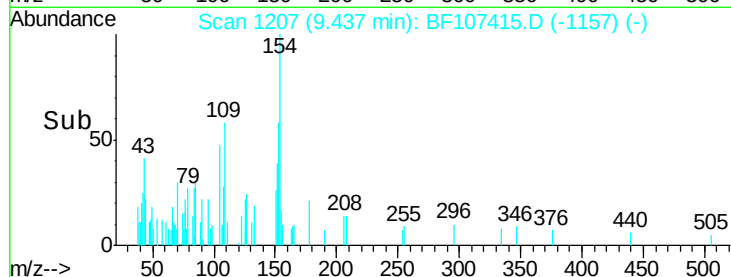
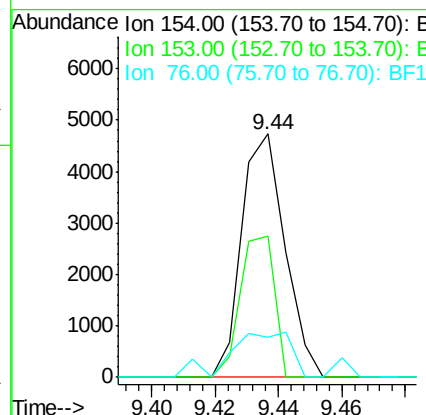
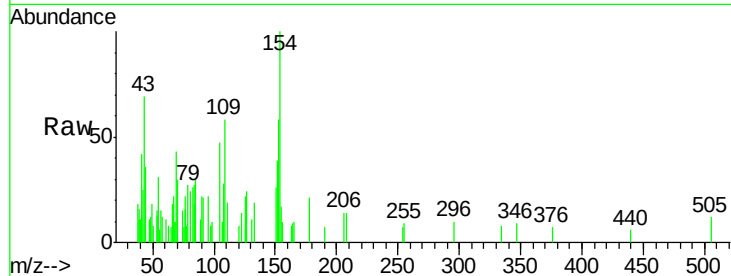




#45
 1,1'-Biphenyl
 Concen: 0.217 ng
 RT: 9.44 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF107415.D
 Acq: 16 Jul 2018 21:06

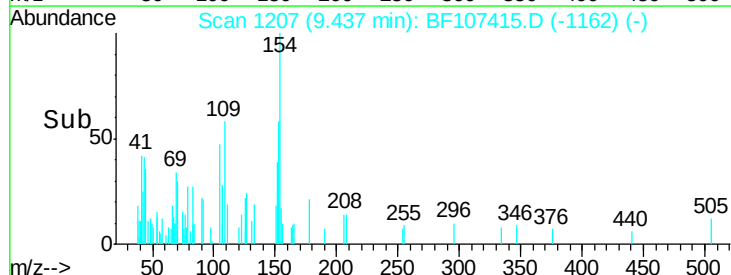
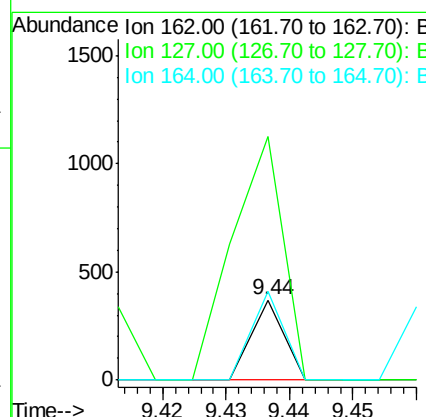
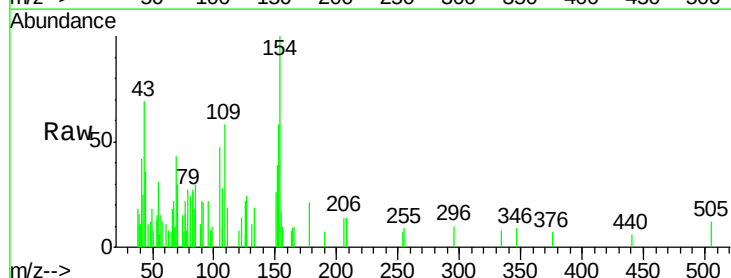
Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-1

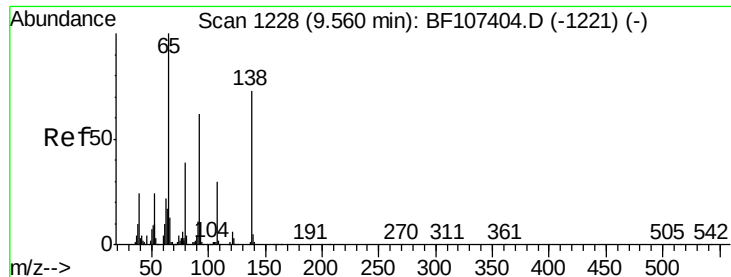
Tgt Ion:154 Resp: 4466
 Ion Ratio Lower Upper
 154 100
 153 49.5 21.3 61.3
 76 14.0 0.0 34.0



#46
 2-Chloronaphthalene
 Concen: 0.008 ng
 RT: 9.44 min Scan# 1207
 Delta R.T. -0.04 min
 Lab File: BF107415.D
 Acq: 16 Jul 2018 21:06

Tgt Ion:162 Resp: 131
 Ion Ratio Lower Upper
 162 100
 127 304.3 33.9 50.9#
 164 111.6 26.5 39.7#

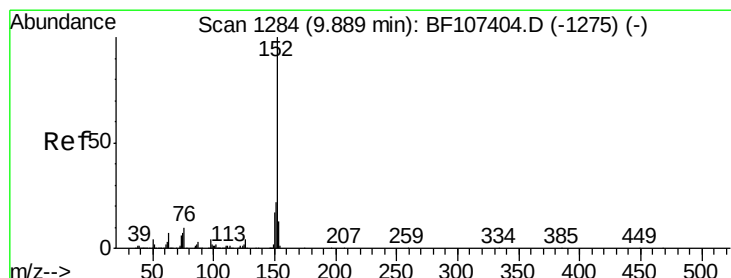
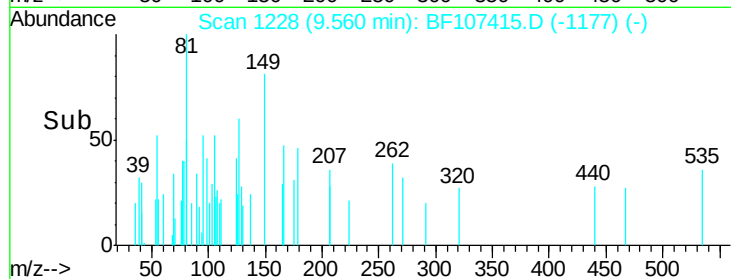
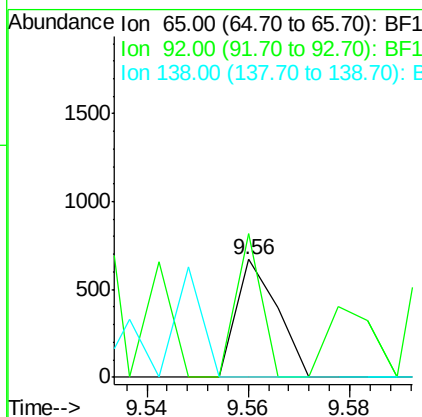
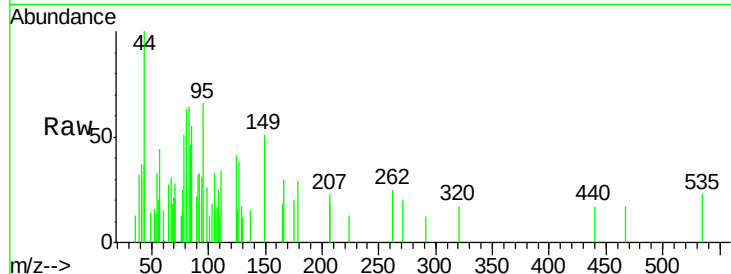




#47
2-Nitroaniline
Concen: 0.076 ng
RT: 9.56 min Scan# 1228
Delta R.T. 0.00 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

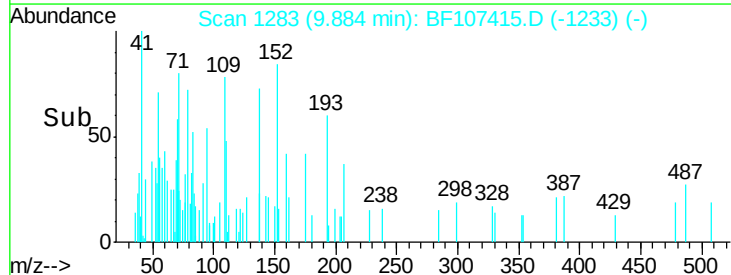
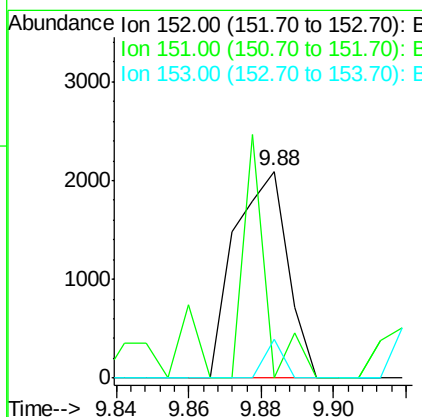
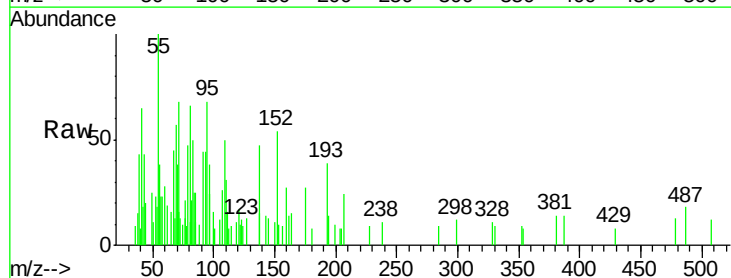
Instrument :
BNA_F
ClientSampleId :
LS-SOIL-1

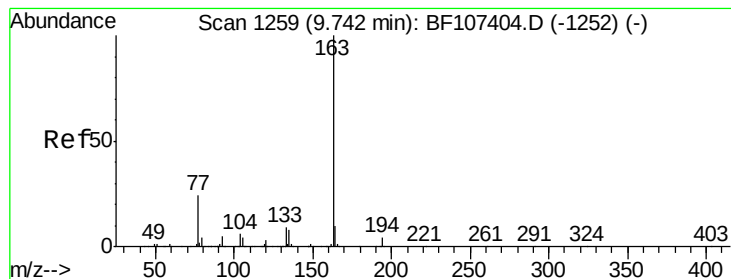
Tgt Ion: 65 Resp: 377
Ion Ratio Lower Upper
65 100
92 122.2 55.8 83.6#
138 0.0 91.2 136.8#



#48
Acenaphthylene
Concen: 0.095 ng
RT: 9.88 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

Tgt Ion: 152 Resp: 2147
Ion Ratio Lower Upper
152 100
151 0.0 16.3 24.5#
153 18.8 10.7 16.1#





#49

Dimethylphthalate

Concen: 10.537 ng

RT: 9.72 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-1

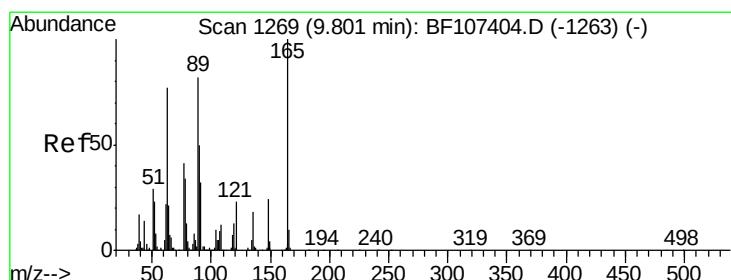
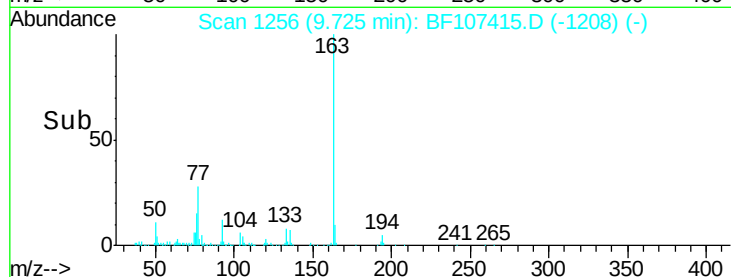
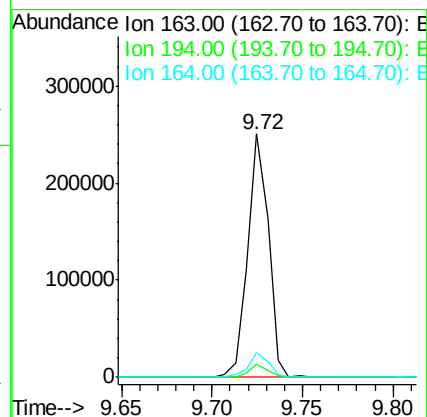
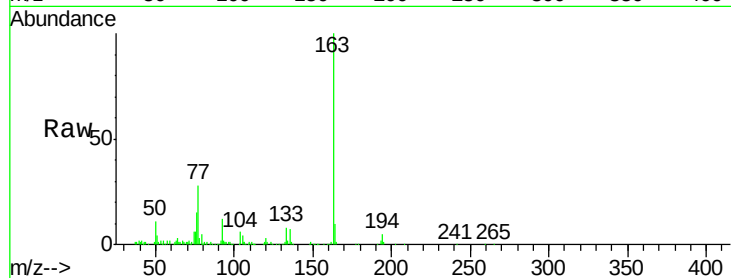
Tgt Ion:163 Resp: 198838

Ion Ratio Lower Upper

163 100

194 5.3 2.7 4.1#

164 10.3 8.2 12.2



#50

2,6-Dinitrotoluene

Concen: 0.292 ng

RT: 9.80 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

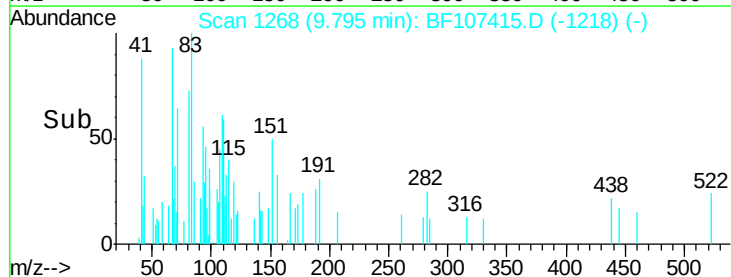
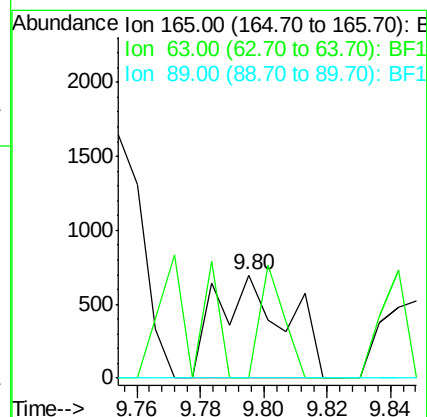
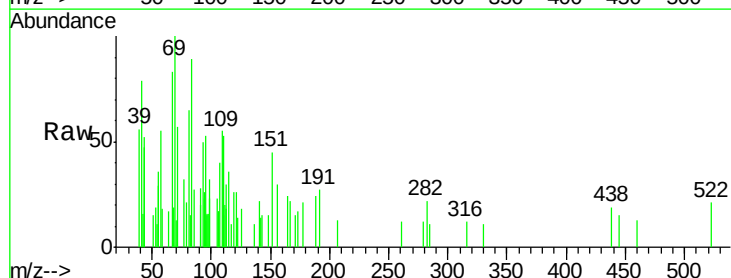
Tgt Ion:165 Resp: 1052

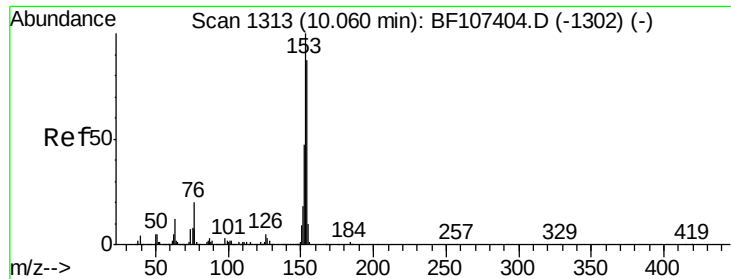
Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

89 0.0 44.0 66.0#





#51

Acenaphthene

Concen: 0.745 ng

RT: 10.05 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-1

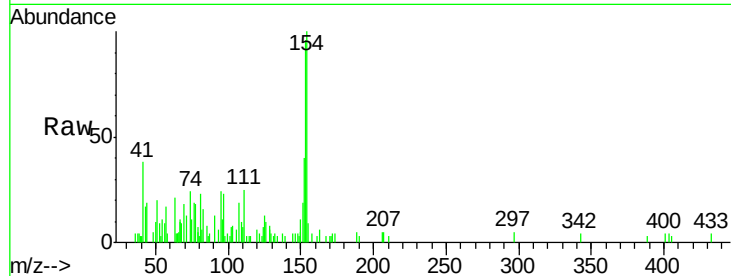
Tgt Ion:154 Resp: 11181

Ion Ratio Lower Upper

154 100

153 96.4 91.2 136.8

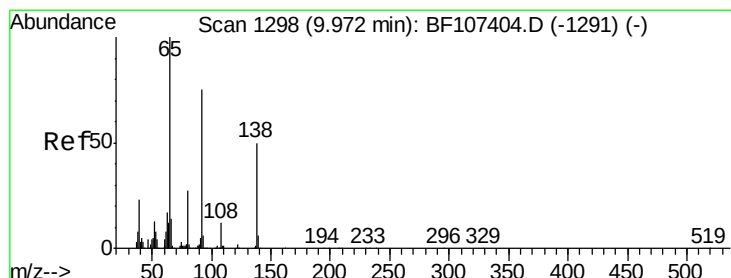
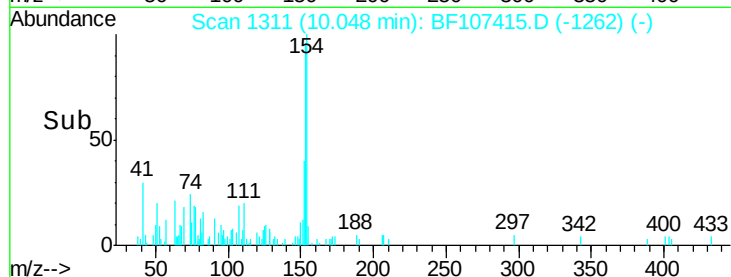
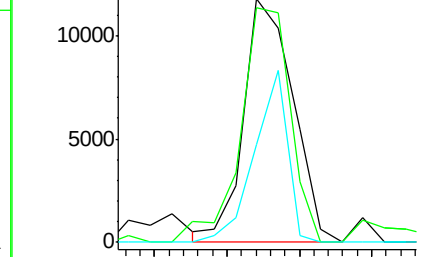
152 40.1 43.8 65.8#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 0.029 ng

RT: 9.98 min Scan# 1300

Delta R.T. 0.01 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

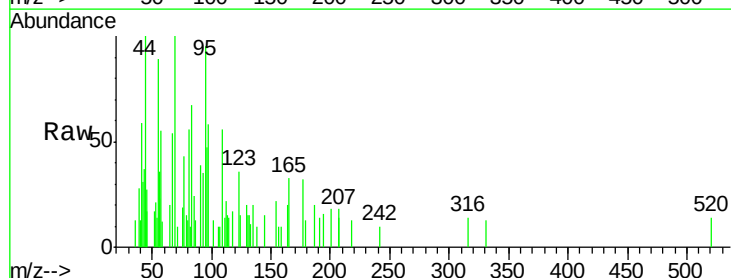
Tgt Ion:138 Resp: 109

Ion Ratio Lower Upper

138 100

108 0.0 9.4 14.0#

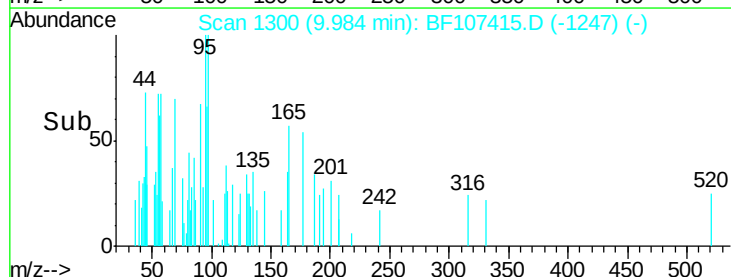
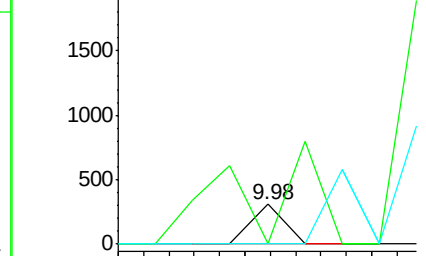
92 0.0 89.4 134.2#

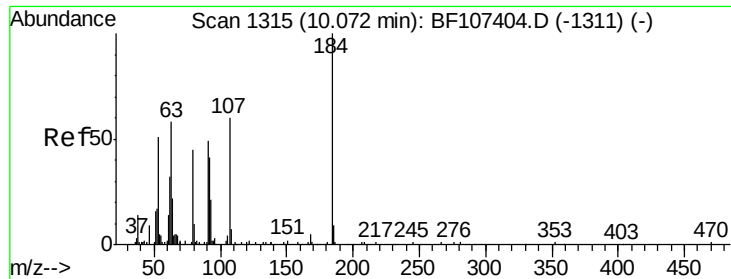


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

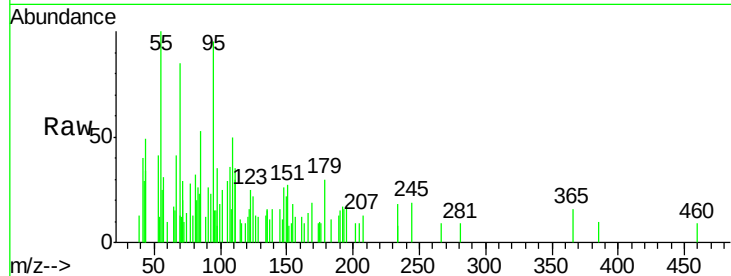




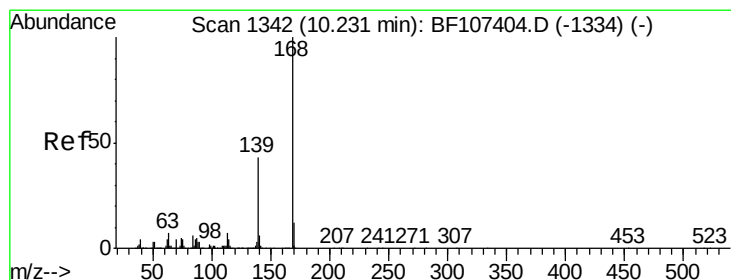
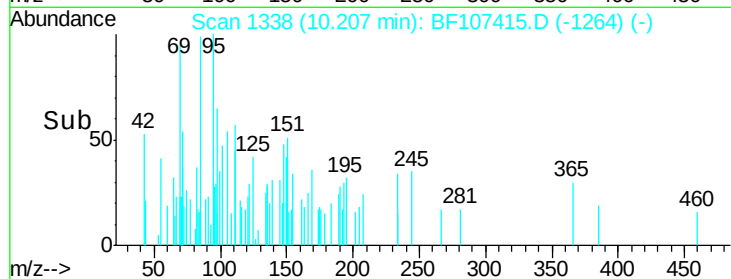
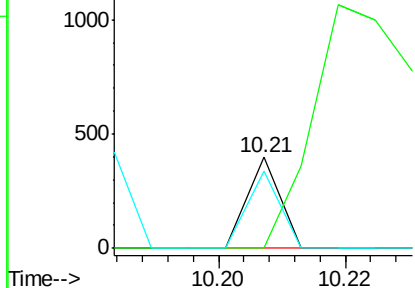
#53
2,4-Dinitrophenol
Concen: 2.408 ng
RT: 10.21 min Scan# 1338
Delta R.T. 0.14 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-1

Tgt Ion:184 Resp: 140
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 85.1 184.0 276.0#

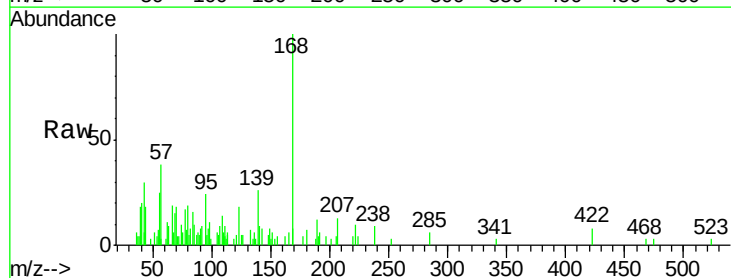


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

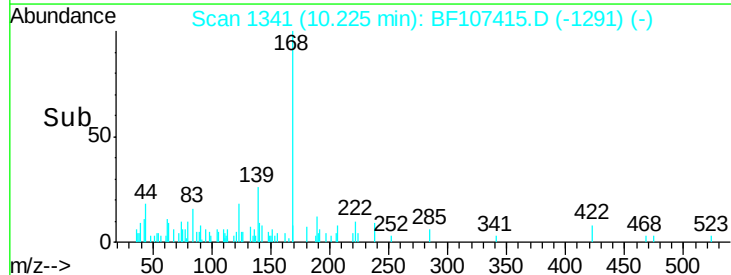
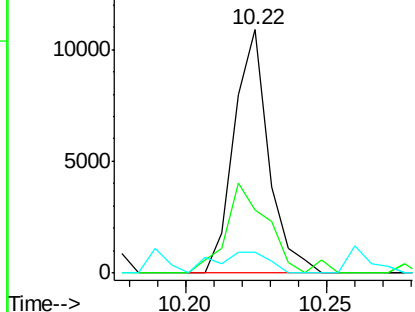


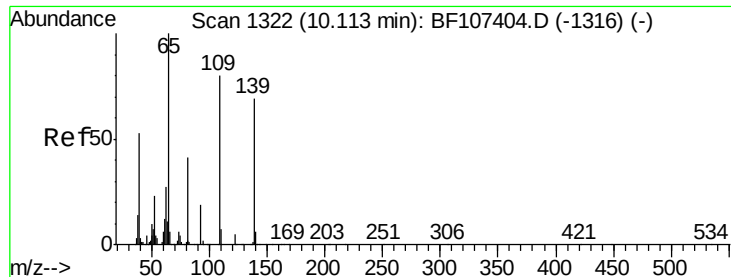
#54
Dibenzofuran
Concen: 0.399 ng
RT: 10.22 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

Tgt Ion:168 Resp: 9240
Ion Ratio Lower Upper
168 100
139 26.1 30.1 45.1#
169 8.3 10.9 16.3#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

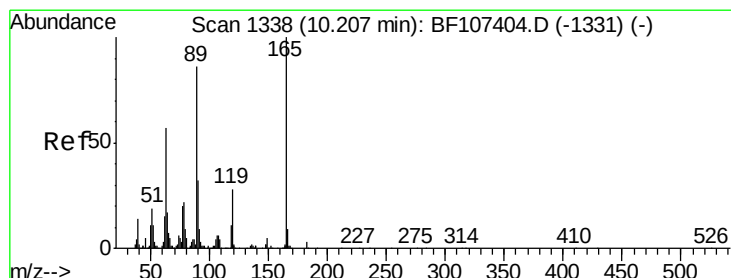
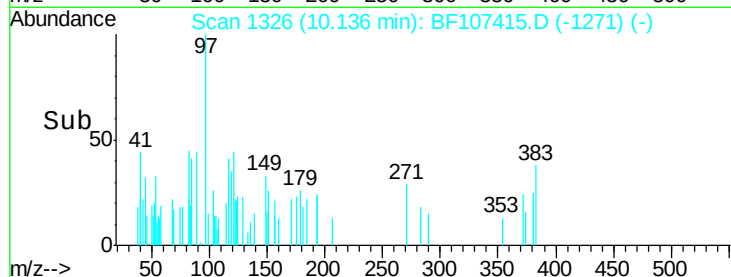
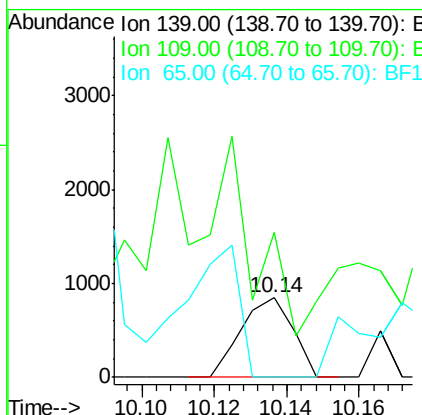
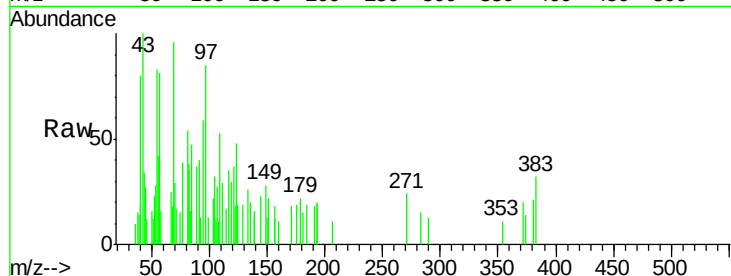




#55
4-Nitrophenol
Concen: 0.272 ng
RT: 10.14 min Scan# 1326
Delta R.T. 0.02 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

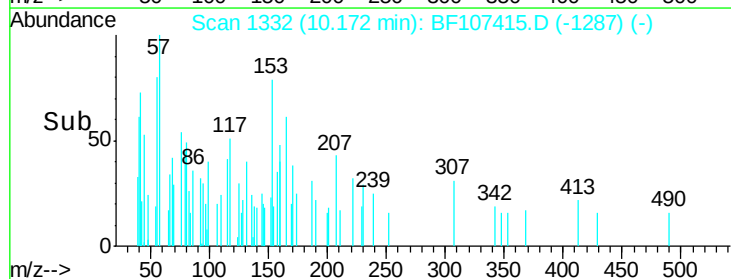
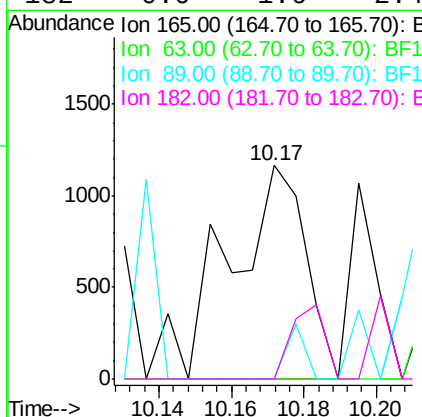
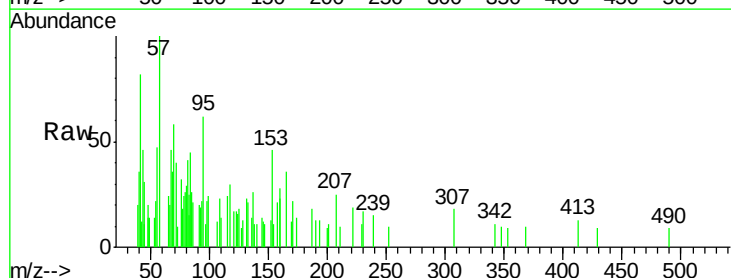
Instrument :
BNA_F
ClientSampleId :
LS-SOIL-1

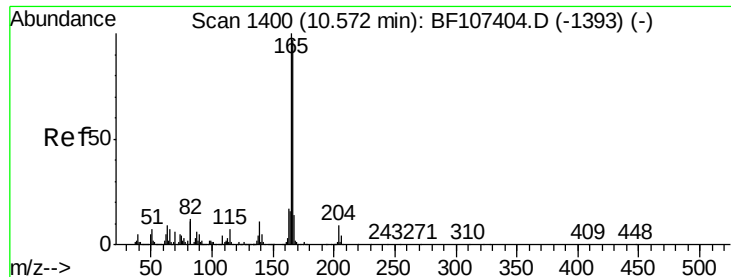
Tgt Ion:139 Resp: 833
Ion Ratio Lower Upper
139 100
109 182.5 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 0.344 ng
RT: 10.17 min Scan# 1332
Delta R.T. -0.04 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

Tgt Ion:165 Resp: 1616
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#





#57

Fluorene

Concen: 0.372 ng

RT: 10.57 min Scan# 1399

Delta R.T. -0.01 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-1

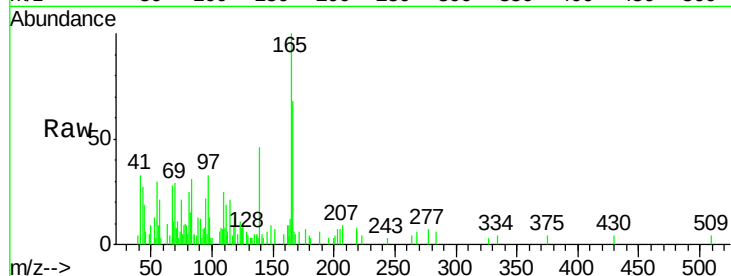
Tgt Ion:166 Resp: 5714

Ion Ratio Lower Upper

166 100

165 147.5 79.8 119.8#

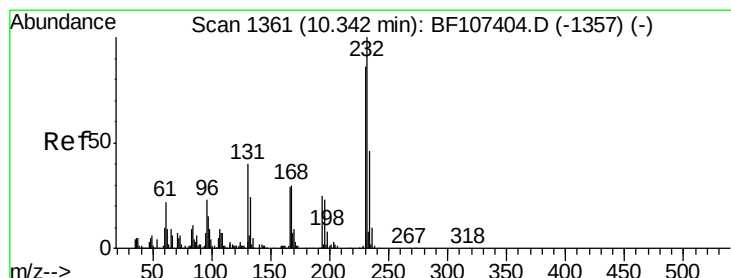
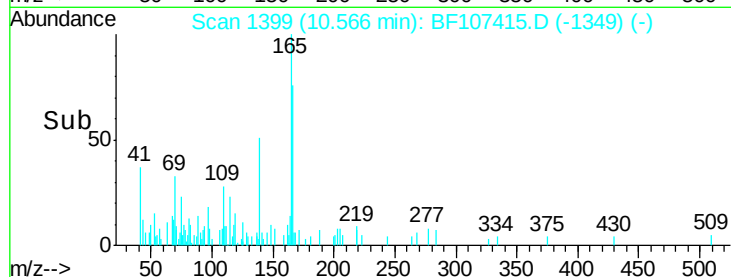
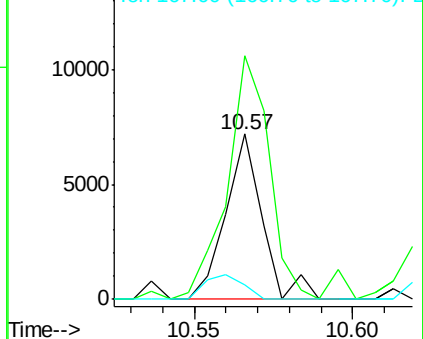
167 8.5 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 0.034 ng

RT: 10.36 min Scan# 1364

Delta R.T. 0.02 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

Tgt Ion:232 Resp: 182

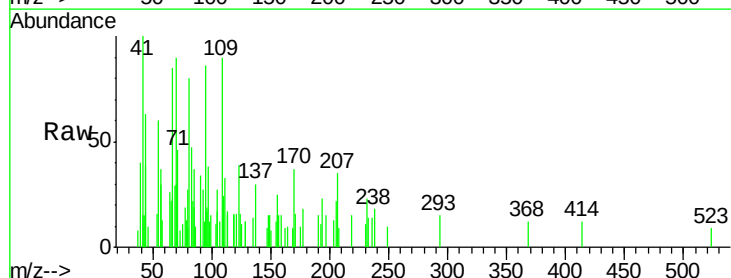
Ion Ratio Lower Upper

232 100

131 0.0 43.8 65.8#

130 0.0 2.1 3.1#

166 0.0 27.8 41.6#

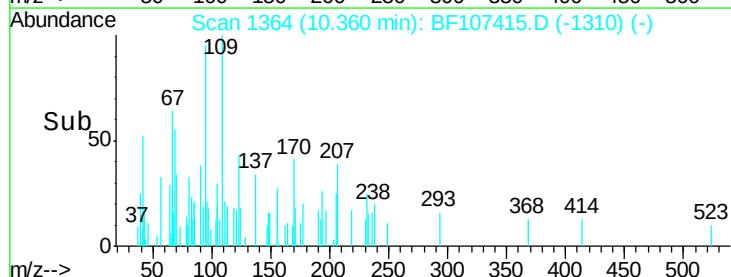
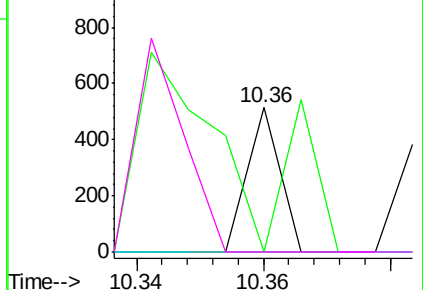


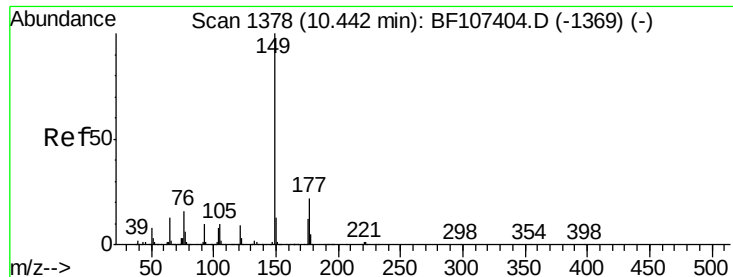
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

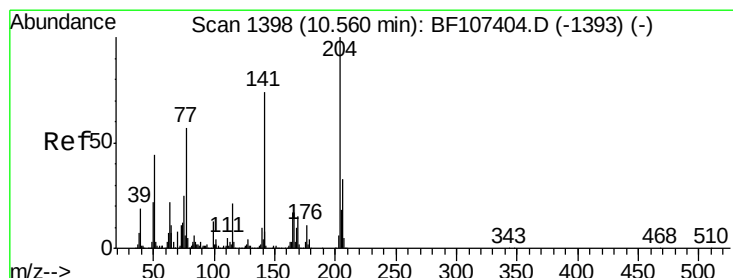
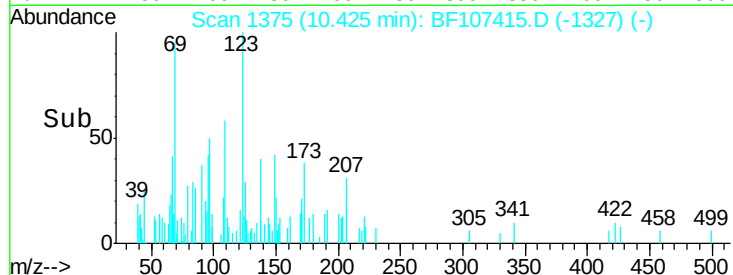
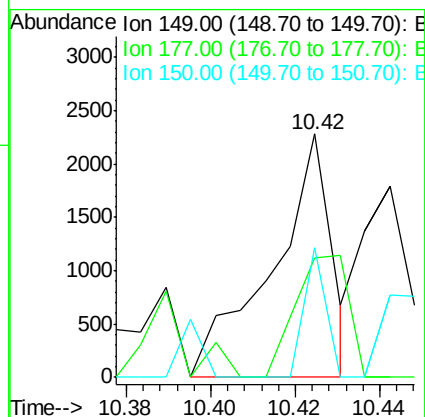
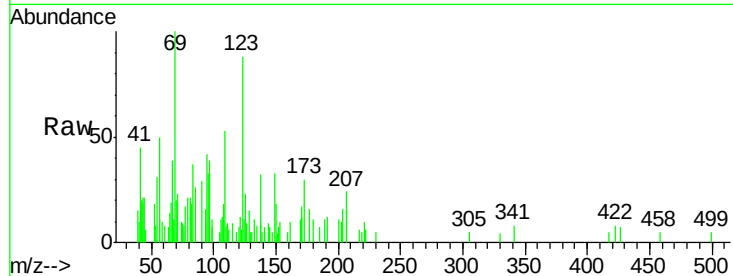




#59
 Diethylphthalate
 Concen: 0.121 ng
 RT: 10.42 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: BF107415.D
 Acq: 16 Jul 2018 21:06

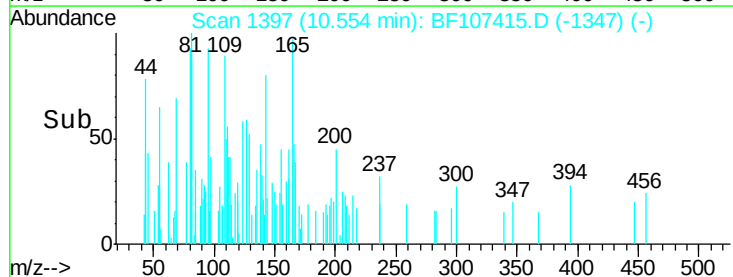
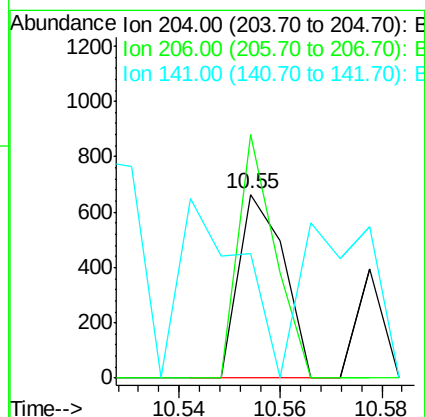
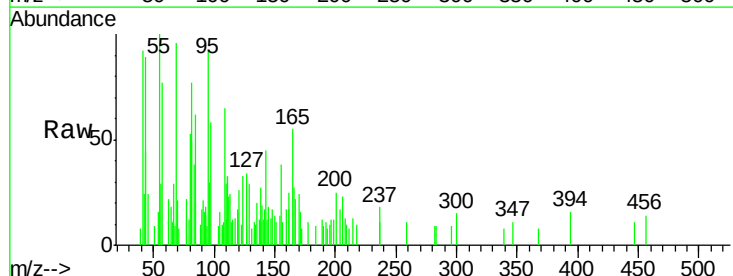
Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-1

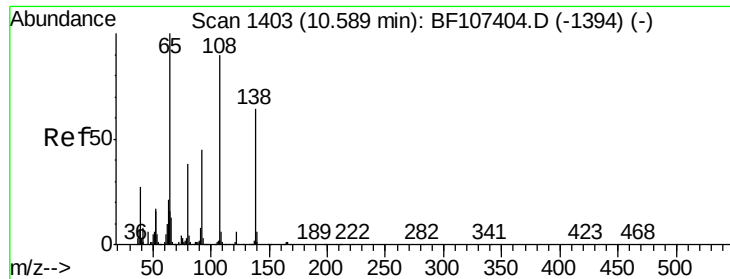
Tgt Ion:149 Resp: 2225
 Ion Ratio Lower Upper
 149 100
 177 49.0 16.1 24.1#
 150 53.3 10.1 15.1#



#60
 4-Chlorophenyl-phenylether
 Concen: 0.045 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: BF107415.D
 Acq: 16 Jul 2018 21:06

Tgt Ion:204 Resp: 411
 Ion Ratio Lower Upper
 204 100
 206 132.3 26.5 39.7#
 141 67.8 54.6 81.8

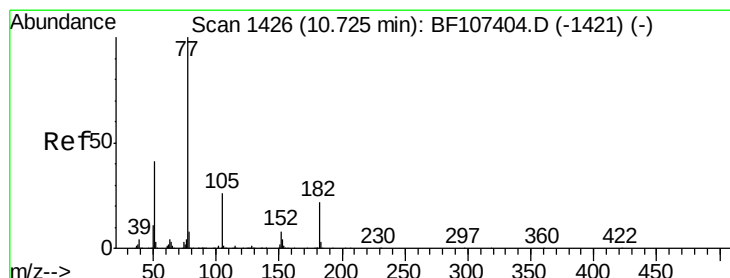
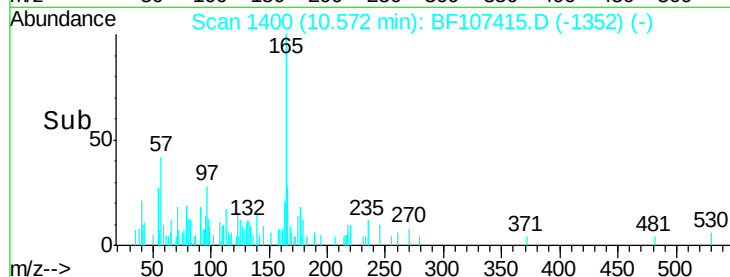
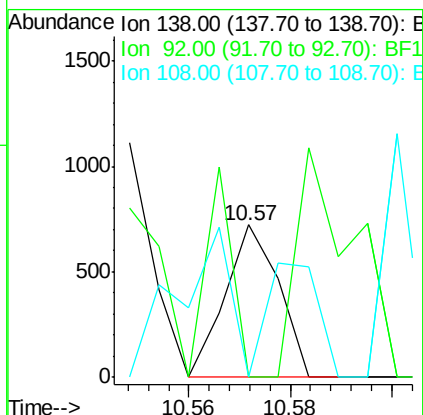
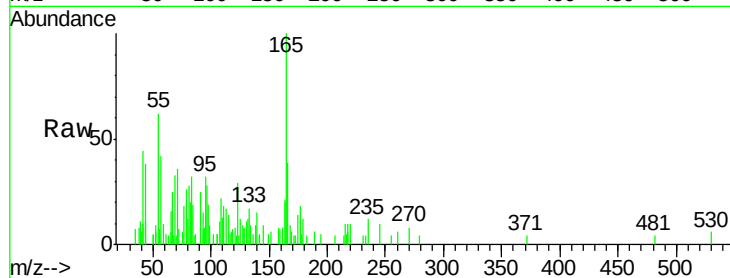




#61
4-Nitroaniline
Concen: 0.147 ng
RT: 10.57 min Scan# 1400
Delta R.T. -0.02 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

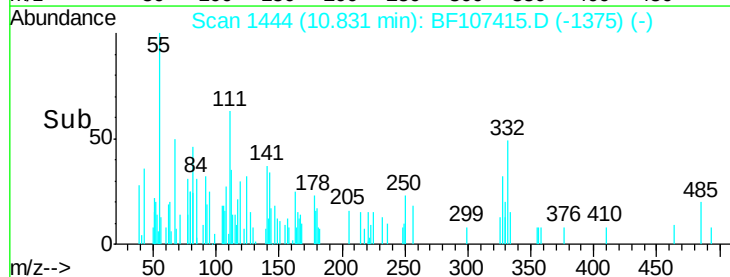
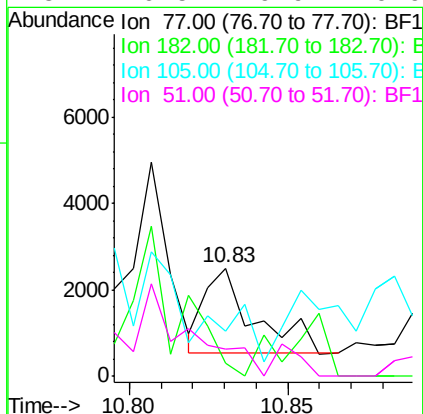
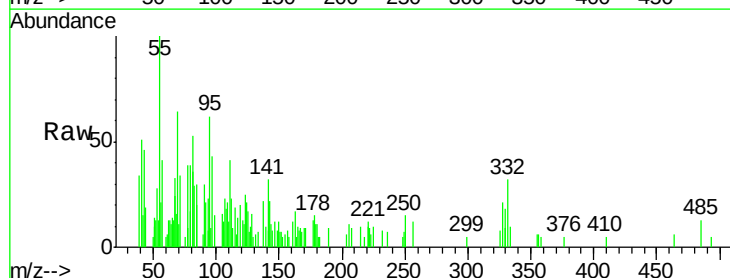
Instrument :
BNA_F
ClientSampleId :
LS-SOIL-1

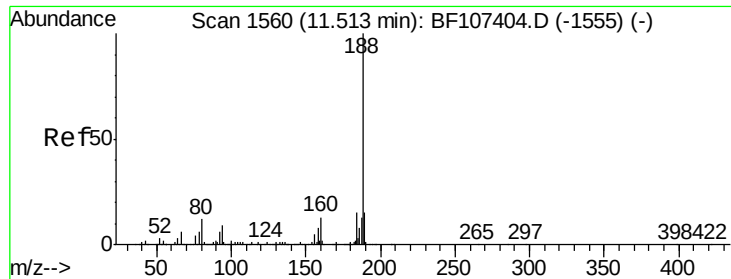
Tgt Ion: 138 Resp: 528
Ion Ratio Lower Upper
138 100
92 0.0 30.2 70.2#
108 0.0 52.5 92.5#



#62
Azobenzene
Concen: 0.096 ng
RT: 10.83 min Scan# 1444
Delta R.T. 0.11 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

Tgt Ion: 77 Resp: 2075
Ion Ratio Lower Upper
77 100
182 10.0 1.7 41.7
105 33.6 3.0 43.0
51 20.5 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: BF107415.D

Acq: 16 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-1

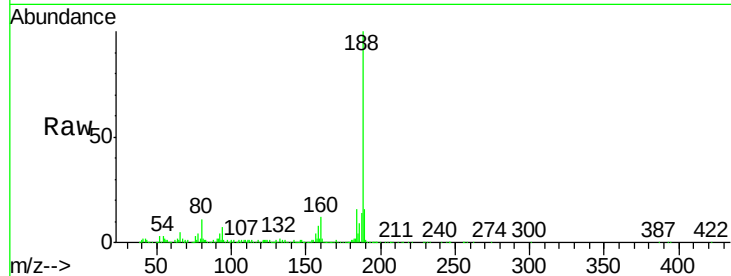
Tgt Ion:188 Resp: 386436

Ion Ratio Lower Upper

188 100

94 6.6 8.5 12.7#

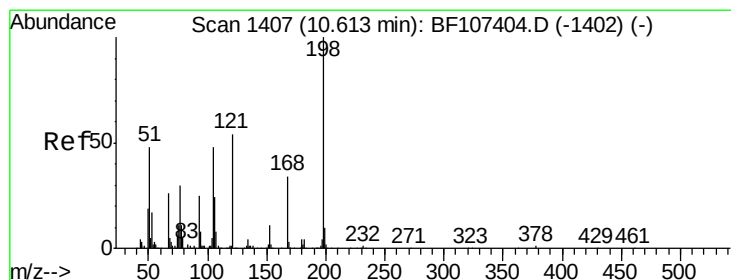
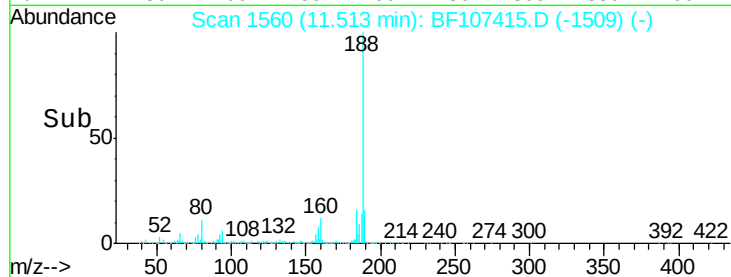
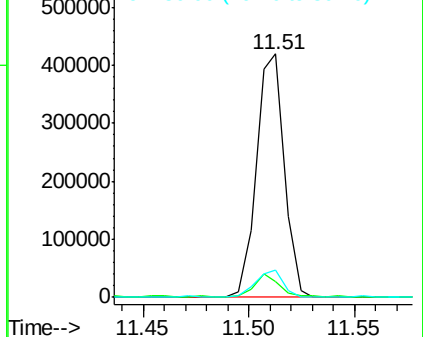
80 11.1 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 7.540 ng

RT: 10.59 min Scan# 1403

Delta R.T. -0.02 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

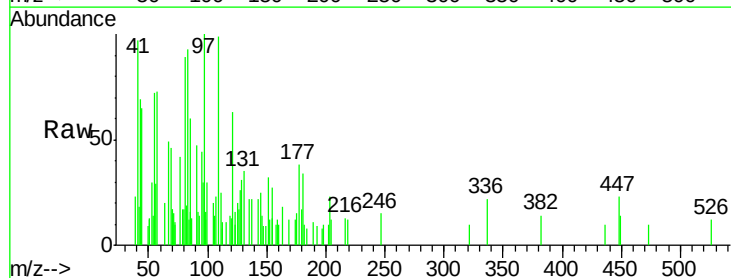
Tgt Ion:198 Resp: 125

Ion Ratio Lower Upper

198 100

51 133.7 37.7 77.7#

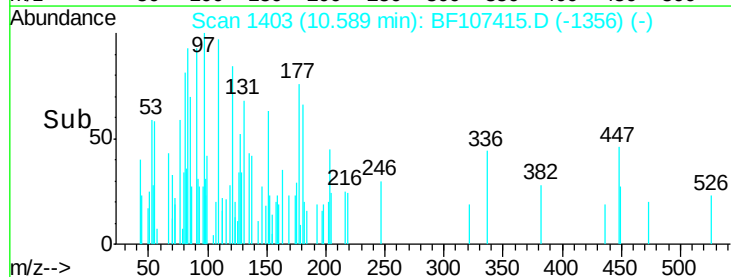
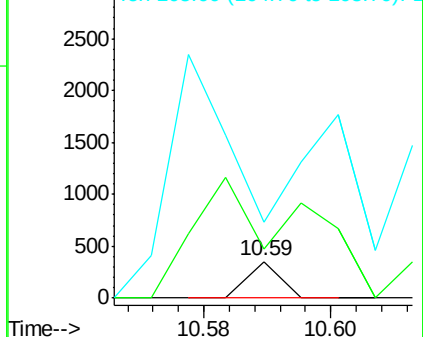
105 205.9 36.3 76.3#

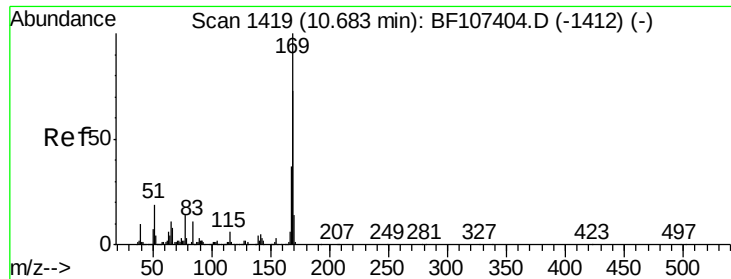


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

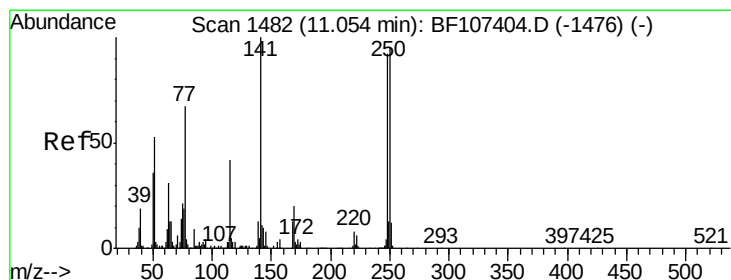
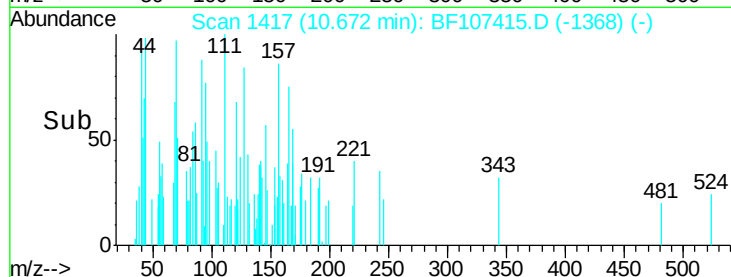
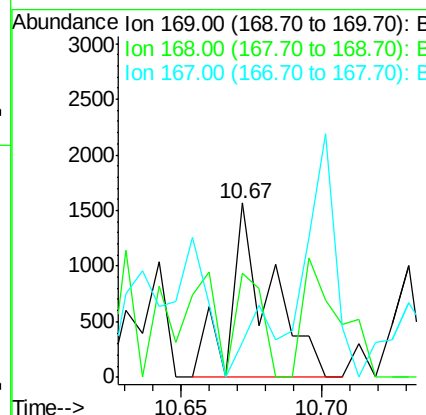
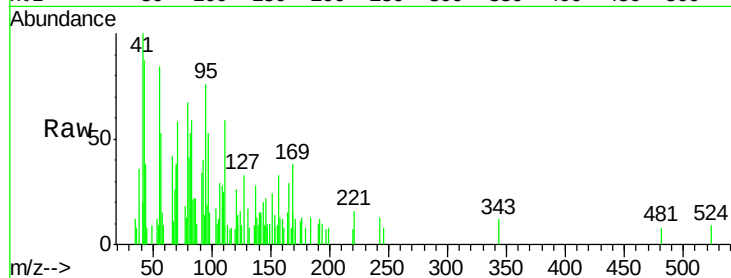




#65
n-Nitrosodiphenylamine
Concen: 0.128 ng
RT: 10.67 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

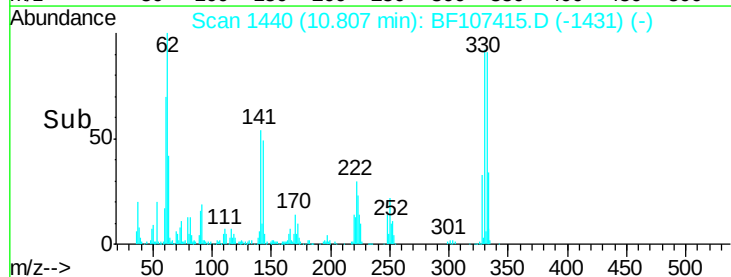
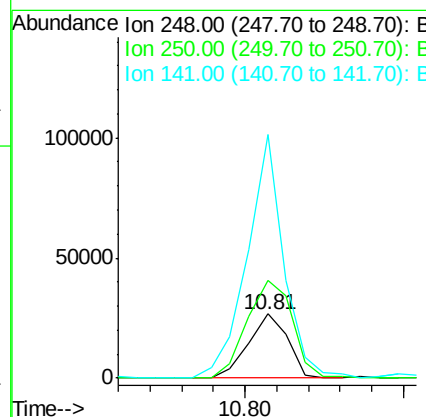
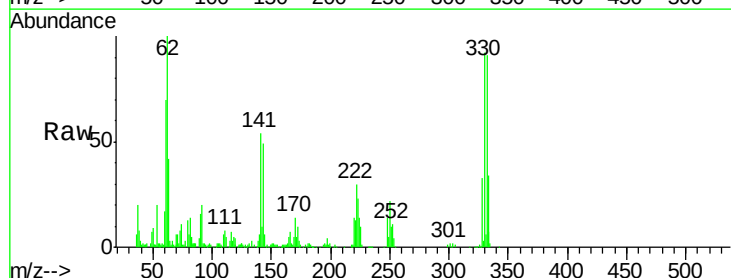
Instrument :
BNA_F
ClientSampleId :
LS-SOIL-1

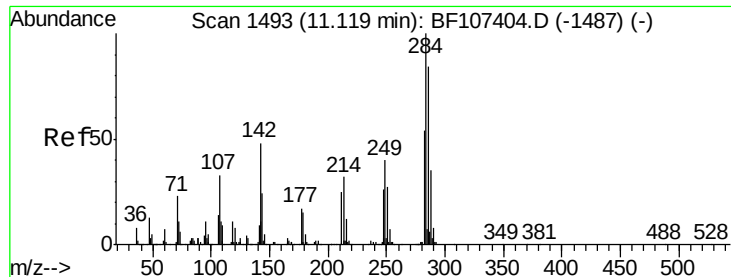
Tgt Ion:169 Resp: 1565
Ion Ratio Lower Upper
169 100
168 59.8 54.4 81.6
167 39.9 29.8 44.6



#66
4-Bromophenyl-phenylether
Concen: 5.189 ng
RT: 10.81 min Scan# 1440
Delta R.T. -0.25 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

Tgt Ion:248 Resp: 22942
Ion Ratio Lower Upper
248 100
250 110.2 76.9 115.3
141 275.8 74.4 111.6#

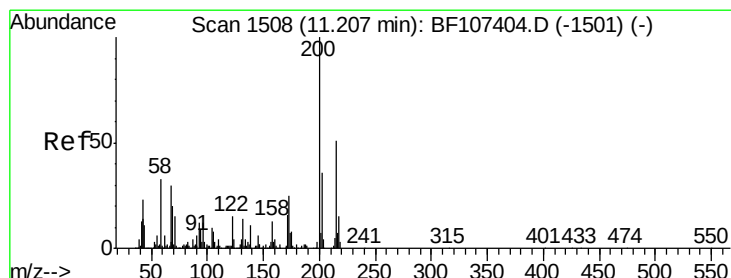
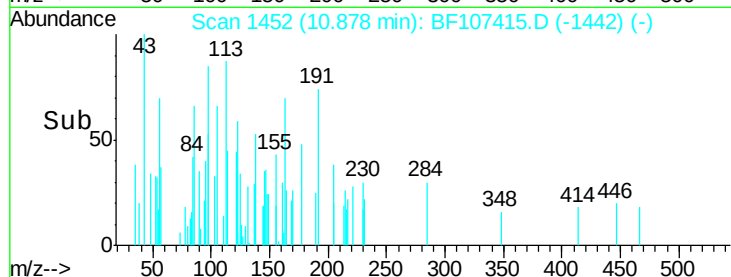
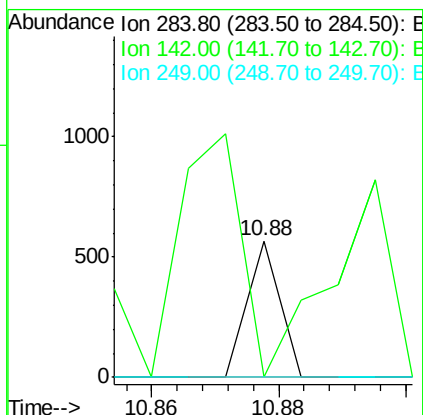
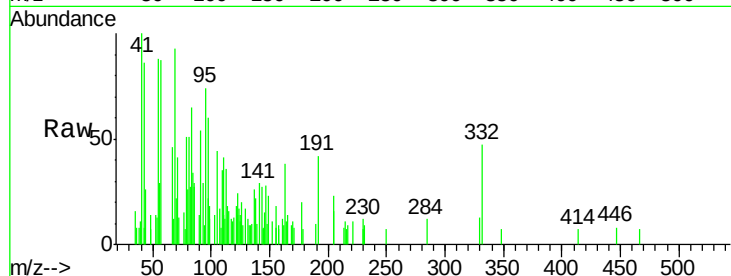




#67
Hexachlorobenzene
Concen: 0.049 ng
RT: 10.88 min Scan# 1452
Delta R.T. -0.24 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

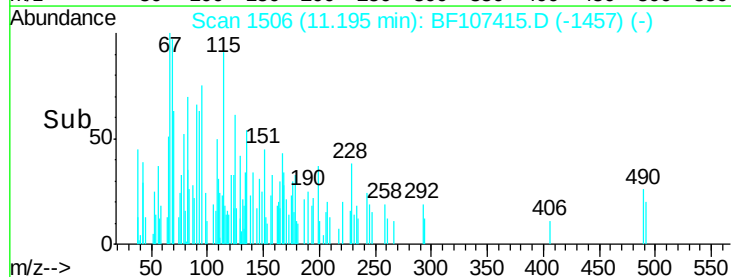
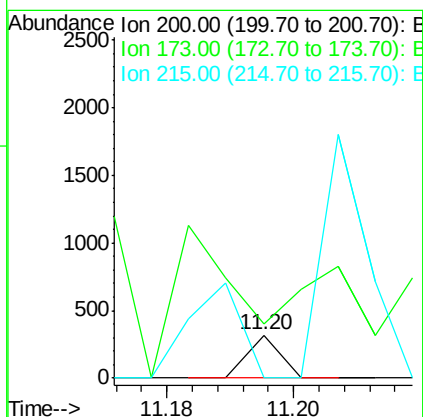
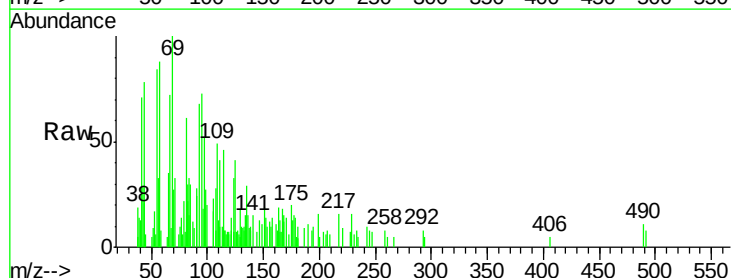
Instrument :
BNA_F
ClientSampleId :
LS-SOIL-1

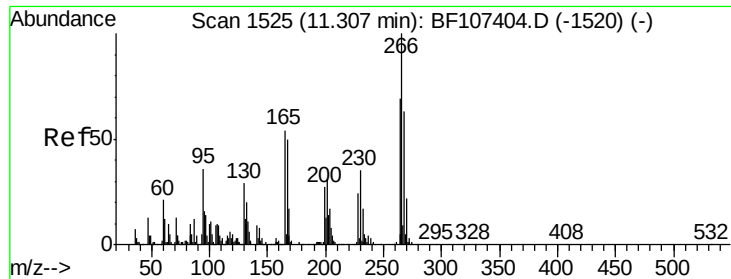
Tgt Ion: 284 Resp: 200
Ion Ratio Lower Upper
284 100
142 0.0 34.6 52.0#
249 61.1 24.8 37.2#



#68
Atrazine
Concen: 0.025 ng
RT: 11.20 min Scan# 1506
Delta R.T. -0.01 min
Lab File: BF107415.D
Acq: 16 Jul 2018 21:06

Tgt Ion: 200 Resp: 113
Ion Ratio Lower Upper
200 100
173 127.0 8.6 48.6#
215 0.0 25.1 65.1#

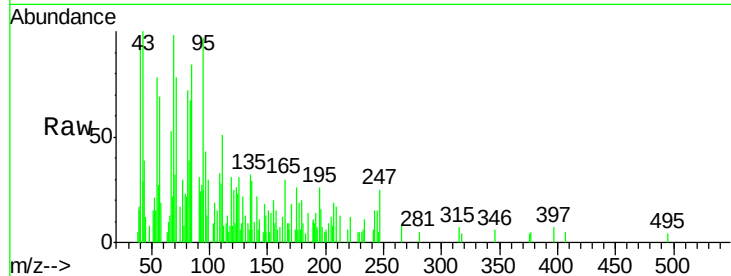




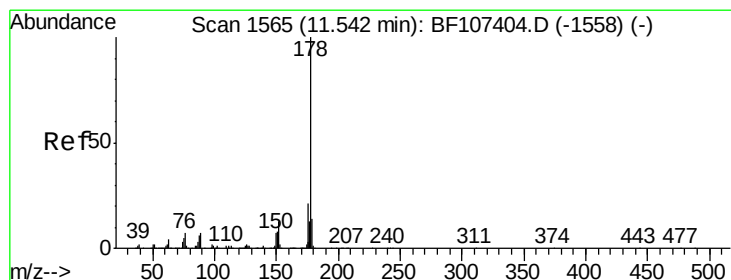
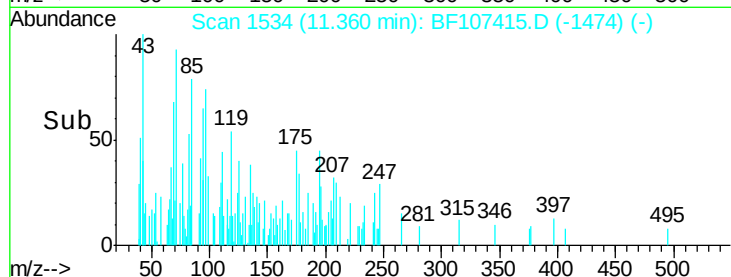
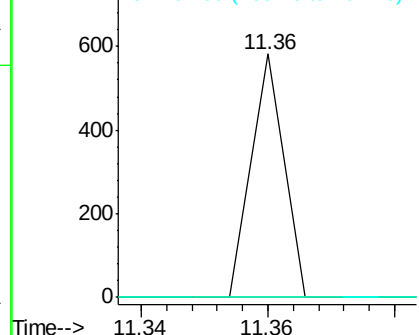
#69
 Pentachlorophenol
 Concen: 0.068 ng
 RT: 11.36 min Scan# 1534
 Delta R.T. 0.05 min
 Lab File: BF107415.D
 Acq: 16 Jul 2018 21:06

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-1

Tgt Ion	Ratio	Lower	Upper
266	100		
268	0.0	51.1	76.7#
264	0.0	49.5	74.3#

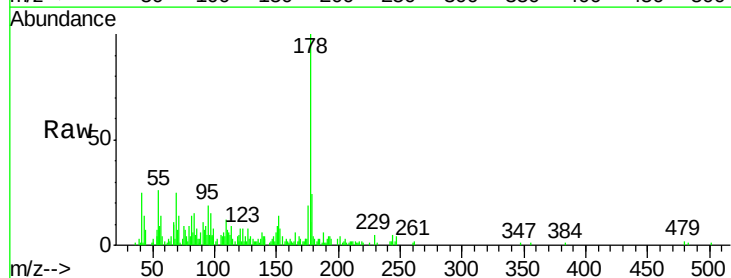


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

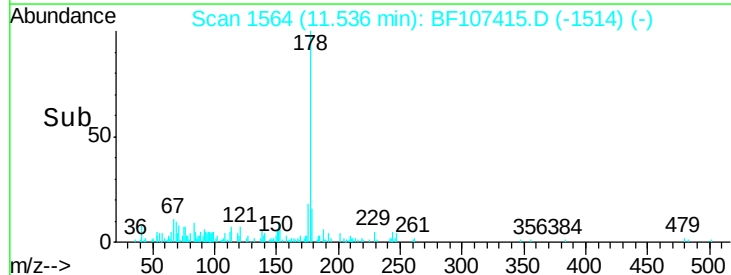
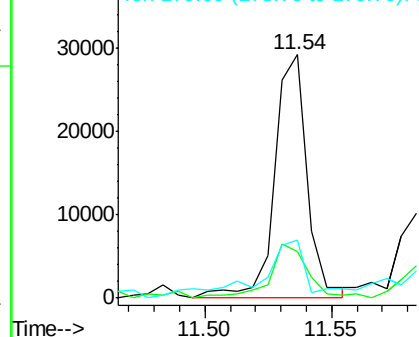


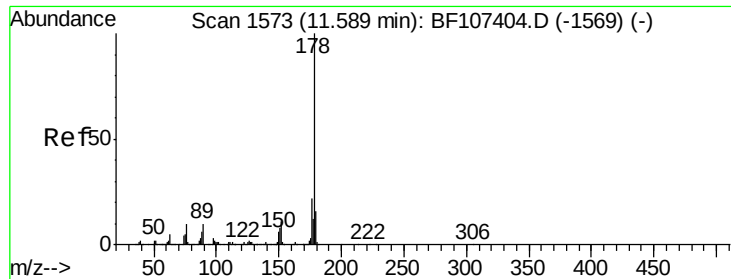
#70
 Phenanthrene
 Concen: 1.377 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF107415.D
 Acq: 16 Jul 2018 21:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	23.6	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

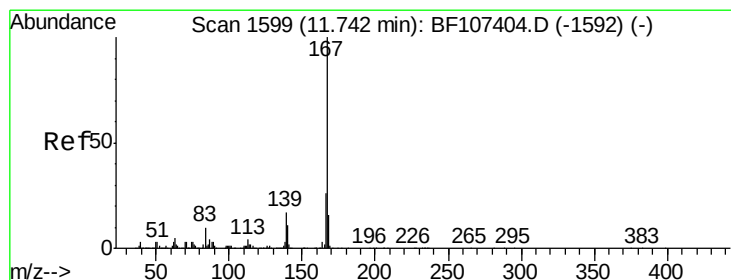
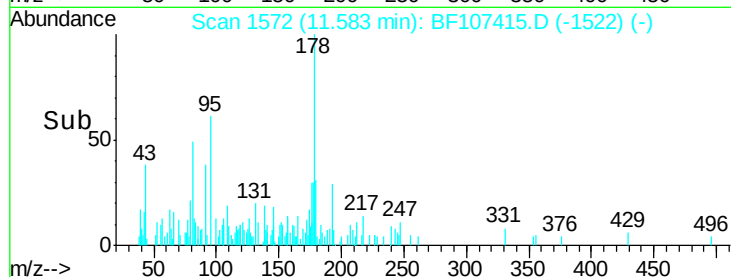
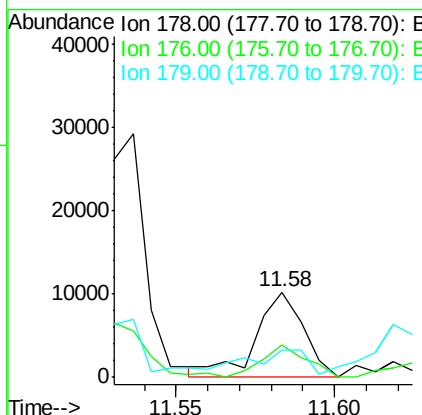
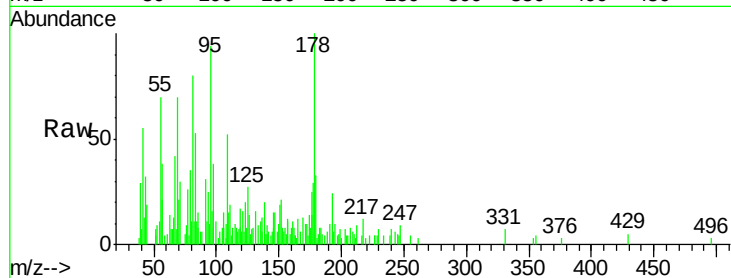




#71
 Anthracene
 Concen: 0.565 ng
 RT: 11.58 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF107415.D
 Acq: 16 Jul 2018 21:06

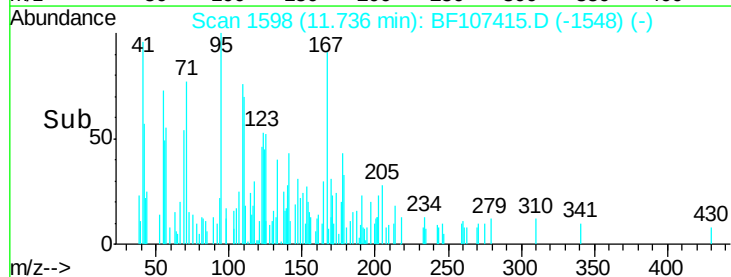
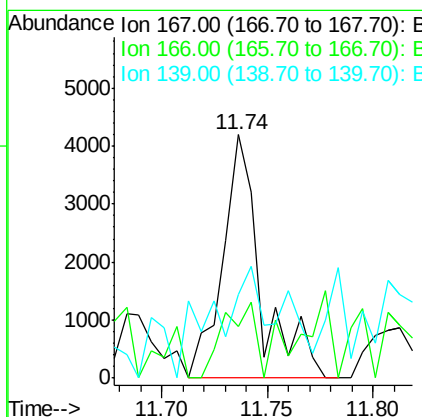
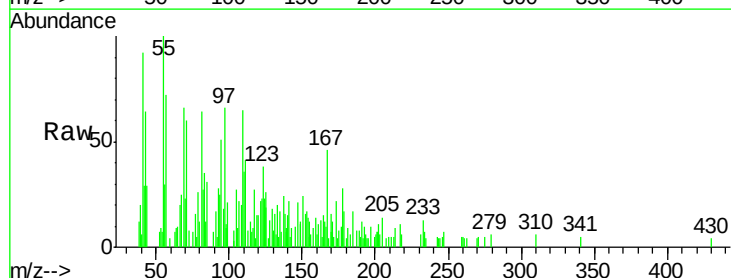
Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-1

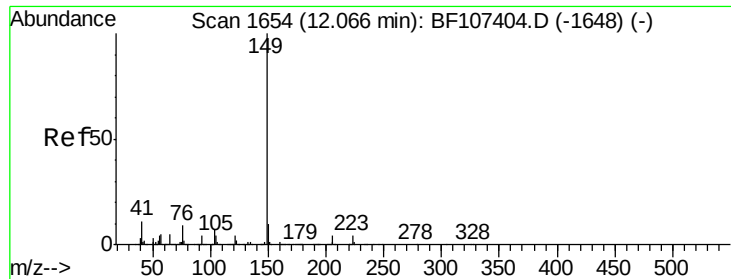
Tgt Ion:178 Resp: 10847
 Ion Ratio Lower Upper
 178 100
 176 38.3 15.4 23.2#
 179 32.6 12.6 19.0#



#72
 Carbazole
 Concen: 0.289 ng
 RT: 11.74 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF107415.D
 Acq: 16 Jul 2018 21:06

Tgt Ion:167 Resp: 5248
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.6 26.4
 139 34.5 10.9 16.3#





#73

Di-n-butylphthalate

Concen: 0.444 ng

RT: 12.06 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-1

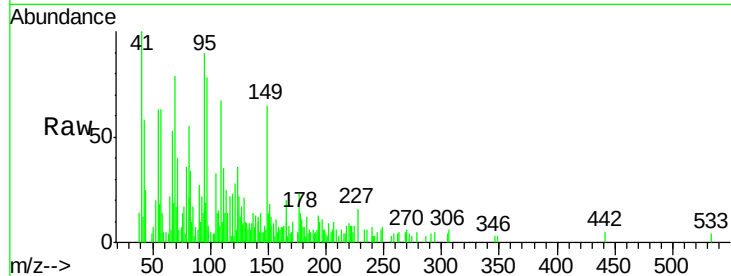
Tgt Ion:149 Resp: 9271

Ion Ratio Lower Upper

149 100

150 41.3 7.8 11.6#

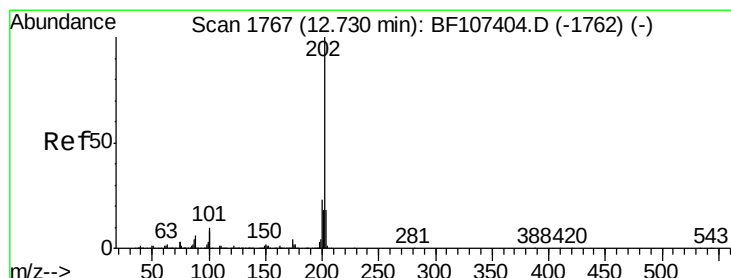
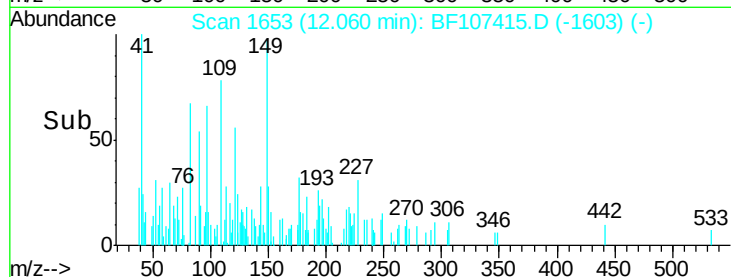
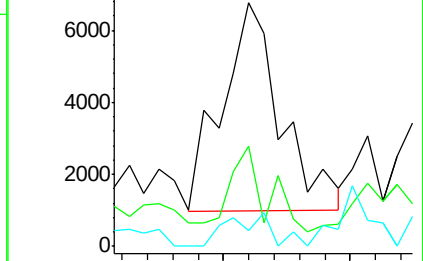
104 6.3 3.8 5.8#



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



#74

Fluoranthene

Concen: 2.882 ng

RT: 12.72 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

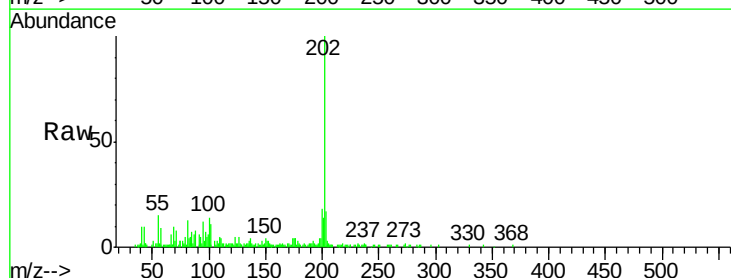
Tgt Ion:202 Resp: 63080

Ion Ratio Lower Upper

202 100

101 10.9 0.0 34.1

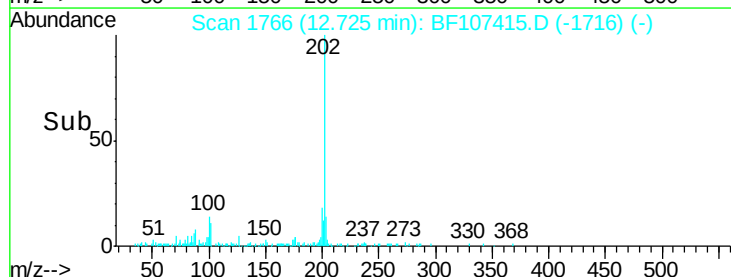
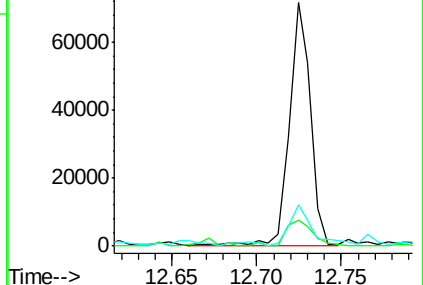
203 16.7 0.0 38.1

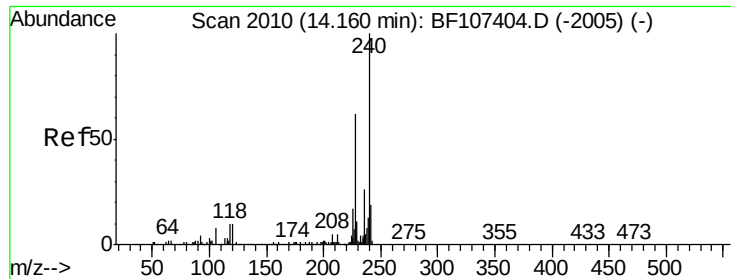


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF107415.D

Acq: 16 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-1

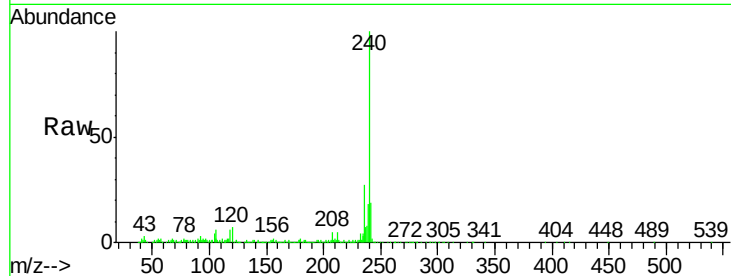
Tgt Ion:240 Resp: 384657

Ion Ratio Lower Upper

240 100

120 7.4 9.5 14.3#

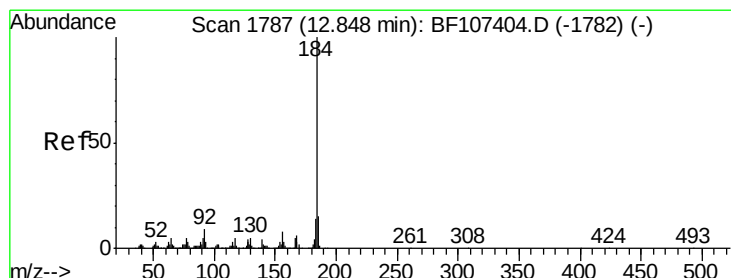
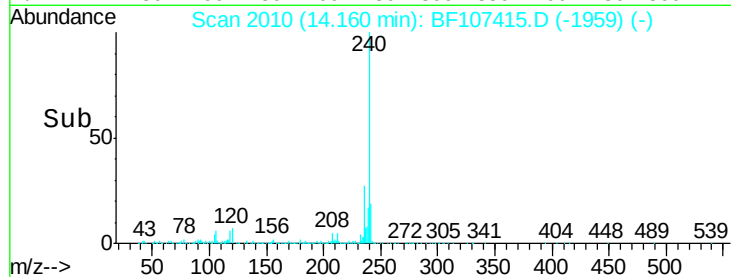
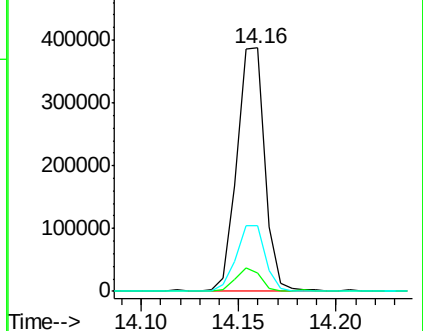
236 26.9 20.7 31.1



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: 0.033 ng

RT: 12.87 min Scan# 1791

Delta R.T. 0.02 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

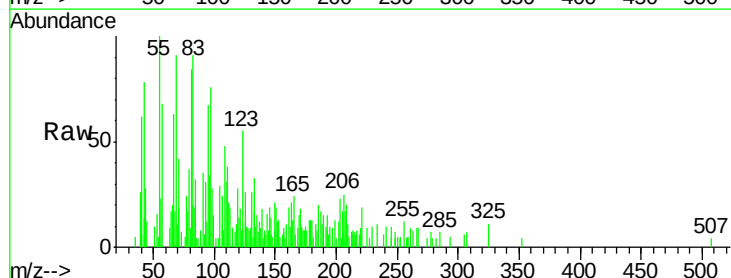
Tgt Ion:184 Resp: 499

Ion Ratio Lower Upper

184 100

185 240.3 12.6 18.8#

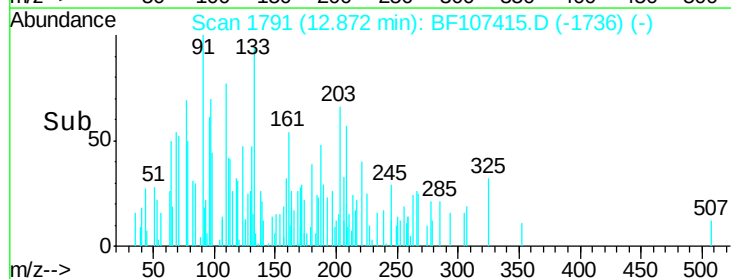
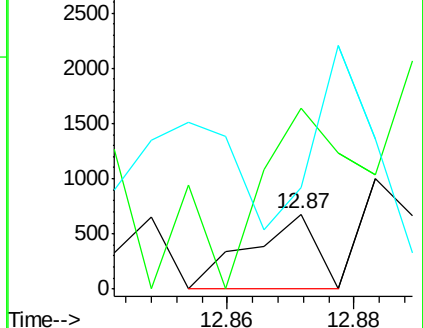
183 135.2 9.3 13.9#

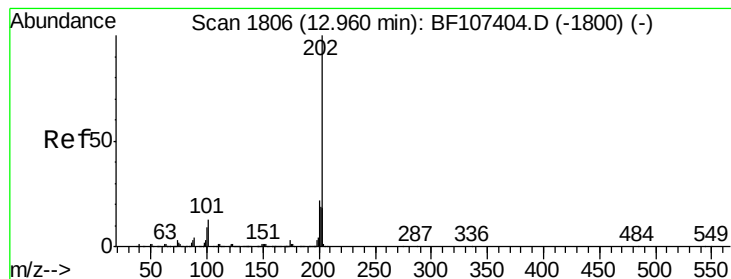


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 2.238 ng

RT: 12.96 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-1

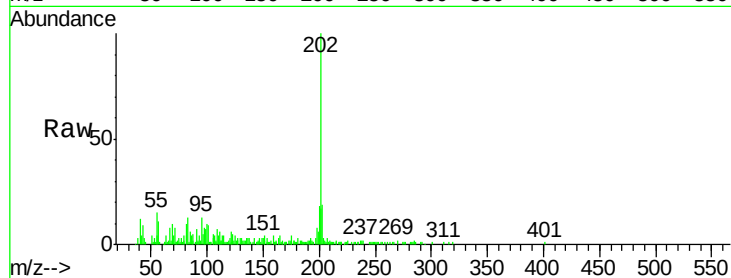
Tgt Ion:202 Resp: 58538

Ion Ratio Lower Upper

202 100

200 17.8 17.4 26.2

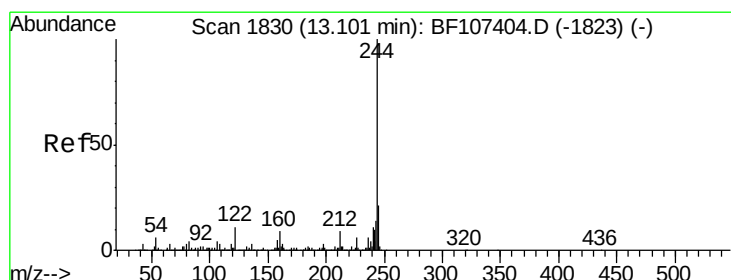
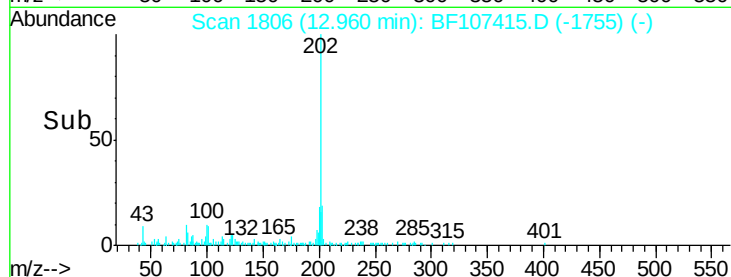
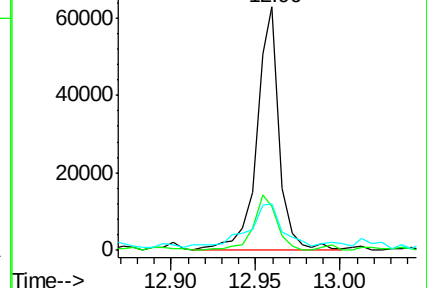
203 19.1 14.3 21.5



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: 55.134 ng

RT: 13.10 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

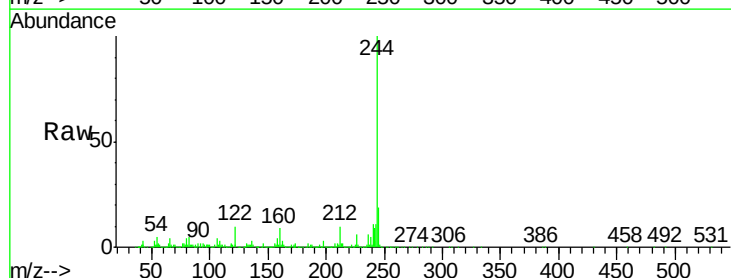
Tgt Ion:244 Resp: 853573

Ion Ratio Lower Upper

244 100

212 9.5 5.4 8.0#

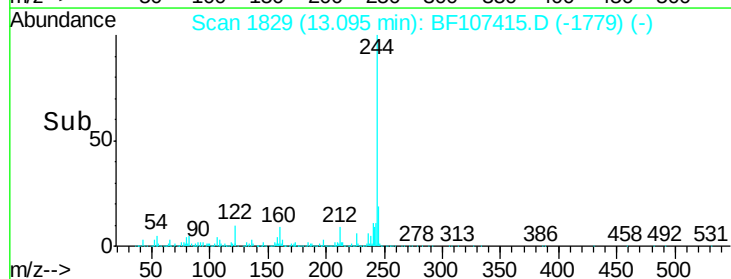
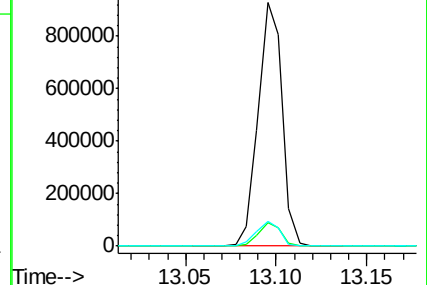
122 10.3 11.0 16.4#

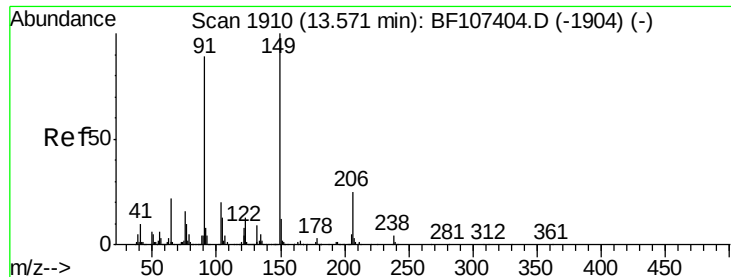


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 0.163 ng

RT: 13.67 min Scan# 1927

Delta R.T. 0.10 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

Instrument :

BNA_F

ClientSampled :

LS-SOIL-1

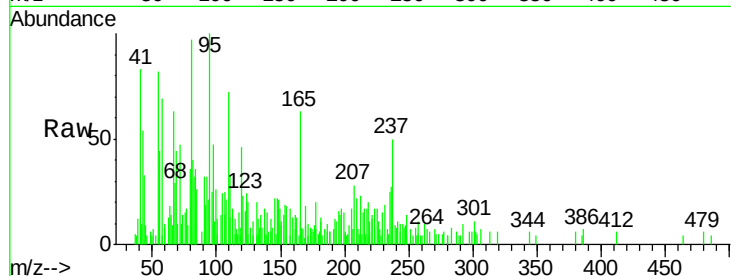
Tgt Ion:149 Resp: 1552

Ion Ratio Lower Upper

149 100

91 85.2 56.8 85.2

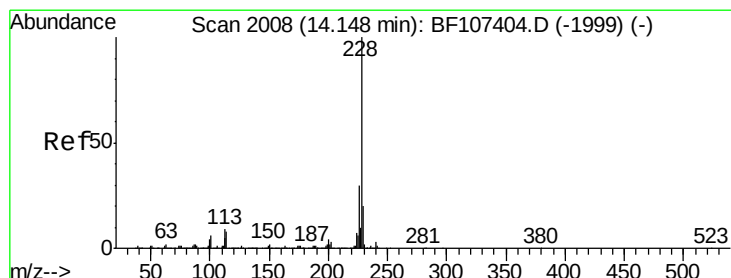
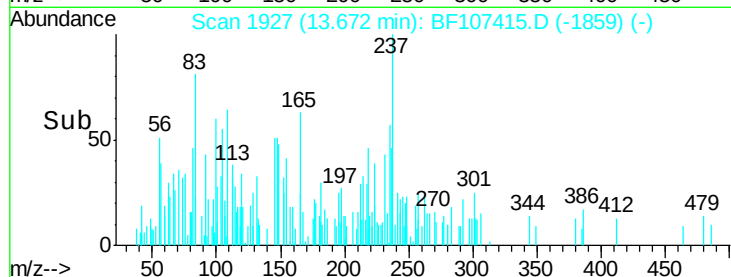
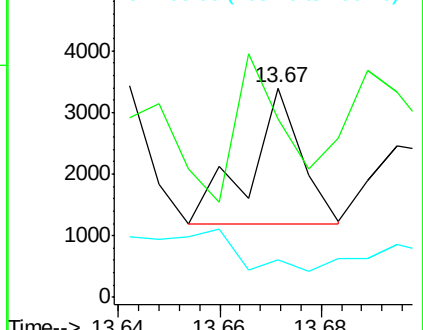
206 18.1 14.1 21.1



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: 1.247 ng

RT: 14.18 min Scan# 2014

Delta R.T. 0.04 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

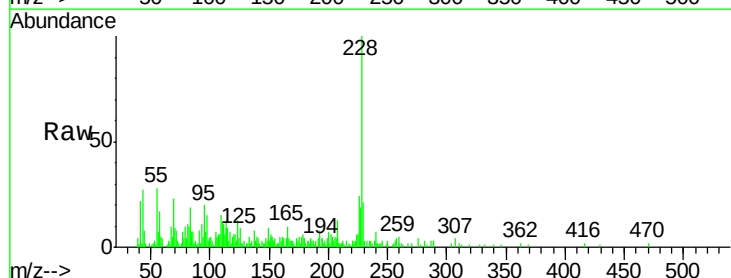
Tgt Ion:228 Resp: 29341

Ion Ratio Lower Upper

228 100

226 23.9 22.6 33.8

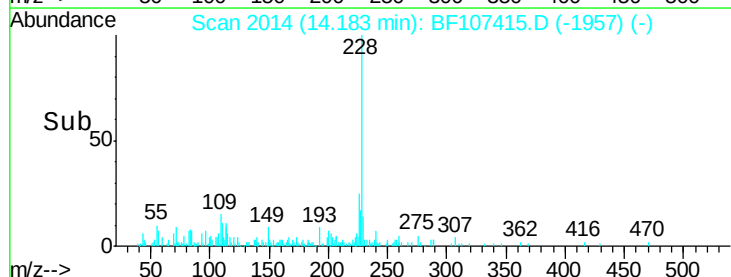
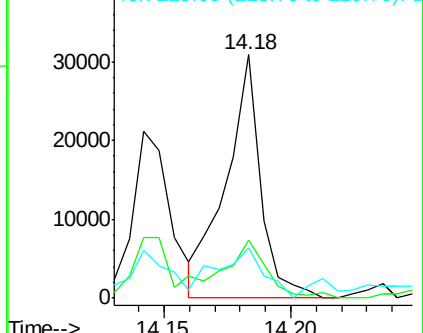
229 20.9 15.8 23.6

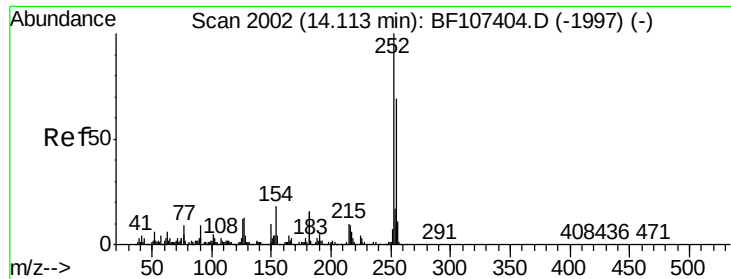


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#81

3,3'-Dichlorobenzidine

Concen: 0.061 ng

RT: 14.15 min Scan# 2008

Delta R.T. 0.04 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-1

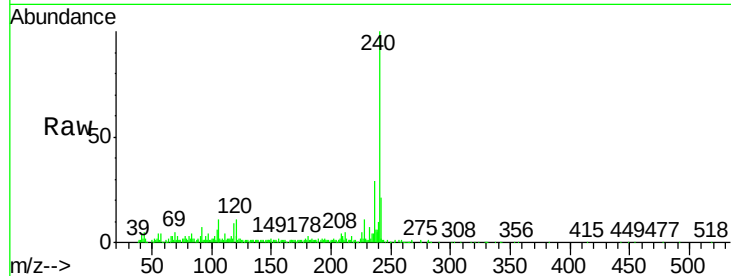
Tgt Ion:252 Resp: 482

Ion Ratio Lower Upper

252 100

254 0.0 50.4 75.6#

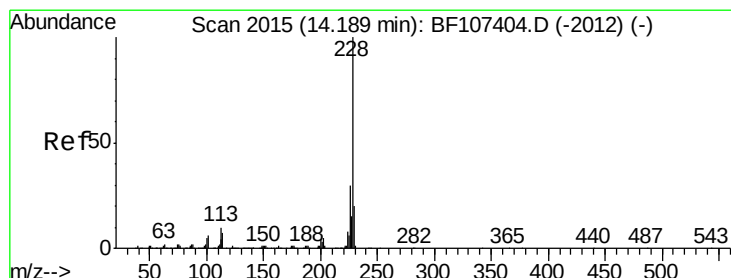
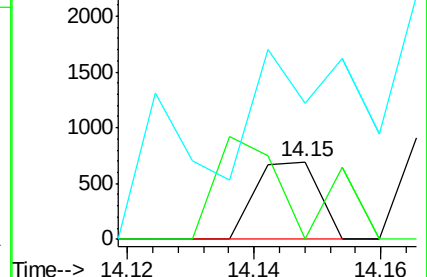
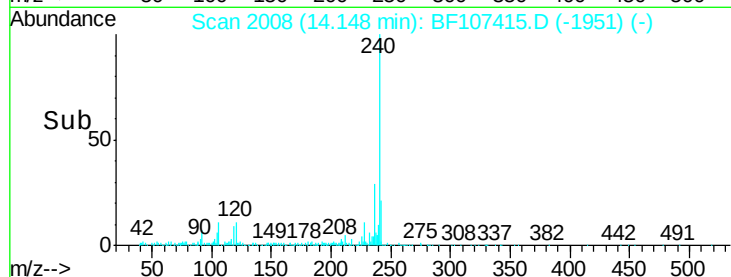
126 175.8 11.3 16.9#



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: 1.305 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

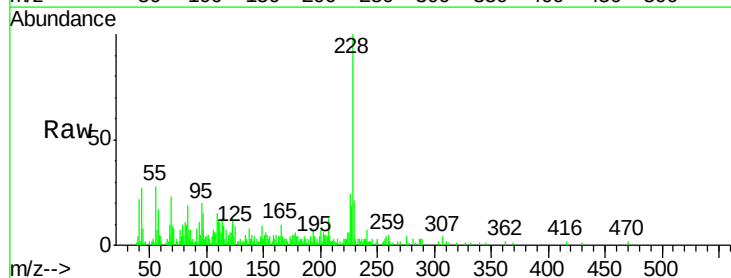
Tgt Ion:228 Resp: 29341

Ion Ratio Lower Upper

228 100

226 23.9 25.0 37.6#

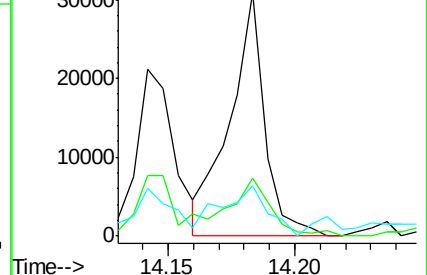
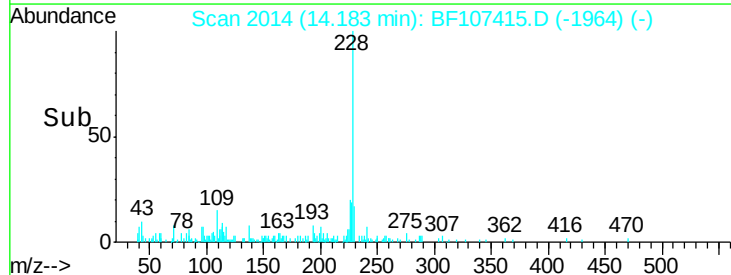
229 20.9 16.2 24.4

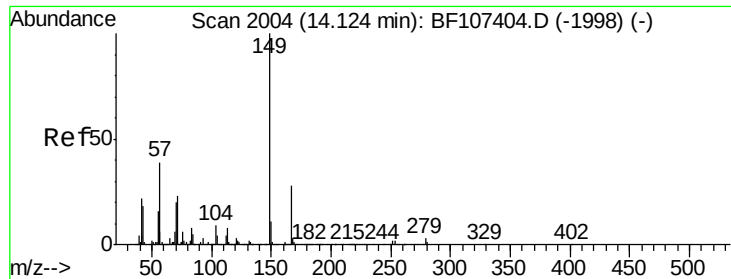


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

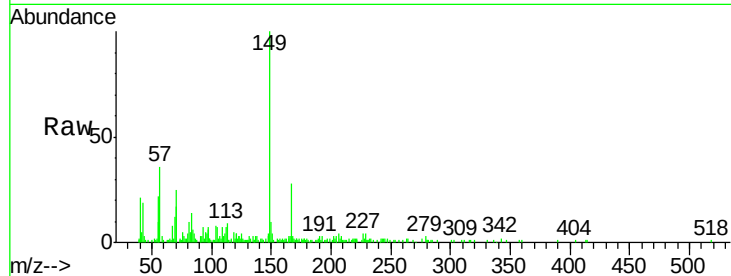




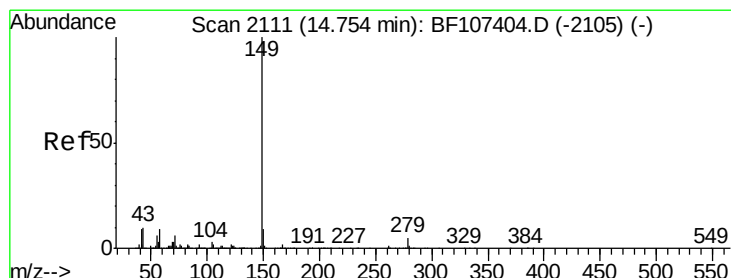
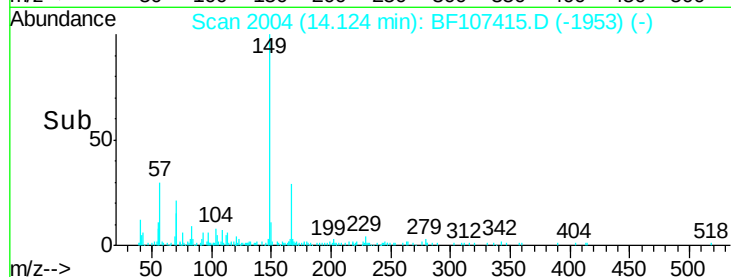
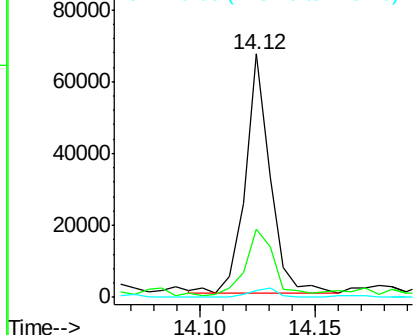
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.679 ng
 RT: 14.12 min Scan# 2004
 Delta R.T. 0.00 min
 Lab File: BF107415.D
 Acq: 16 Jul 2018 21:06

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-1

Tgt Ion:149 Resp: 50229
 Ion Ratio Lower Upper
 149 100
 167 27.8 21.3 31.9
 279 3.0 3.0 4.4

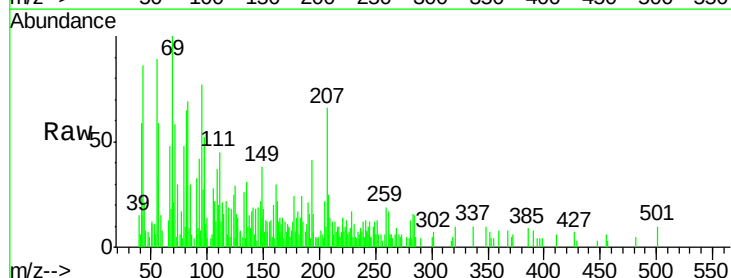


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

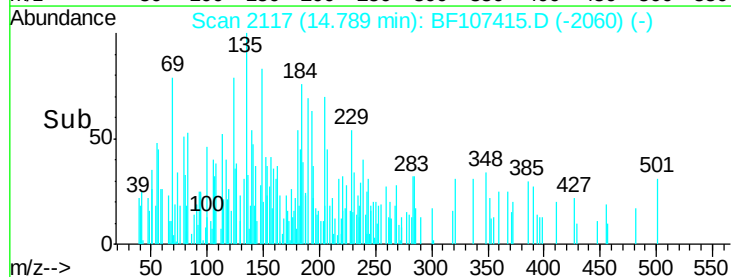
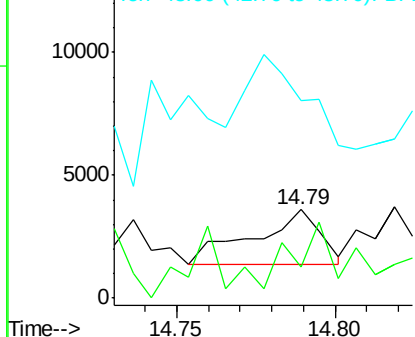


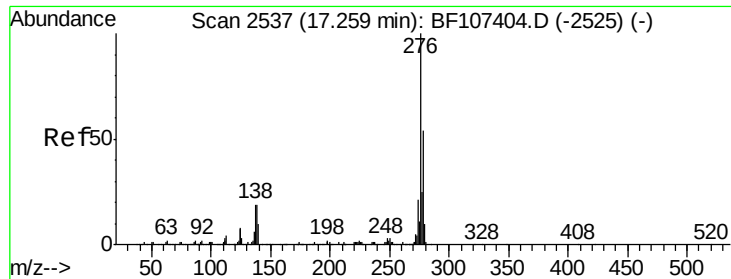
#84
 Di-n-octyl phthalate
 Concen: 0.155 ng
 RT: 14.79 min Scan# 2117
 Delta R.T. 0.04 min
 Lab File: BF107415.D
 Acq: 16 Jul 2018 21:06

Tgt Ion:149 Resp: 3289
 Ion Ratio Lower Upper
 149 100
 167 116.6 1.2 1.8#
 43 223.1 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: 0.666 ng

RT: 17.24 min Scan# 2534

Delta R.T. -0.02 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-1

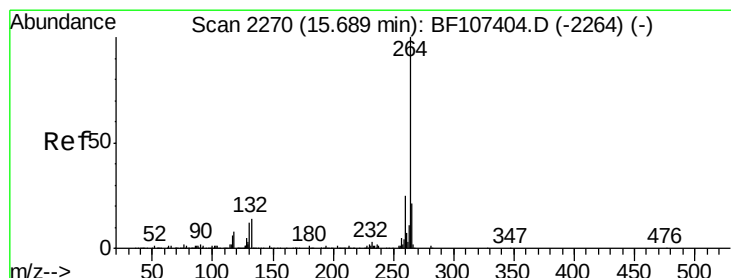
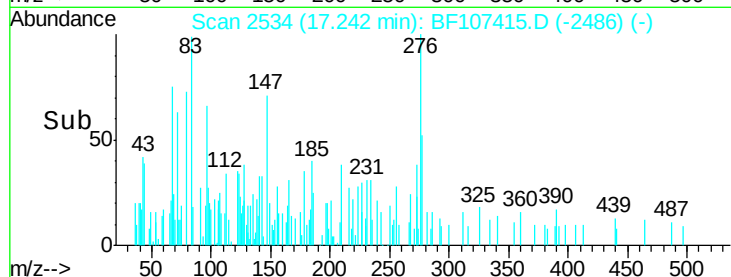
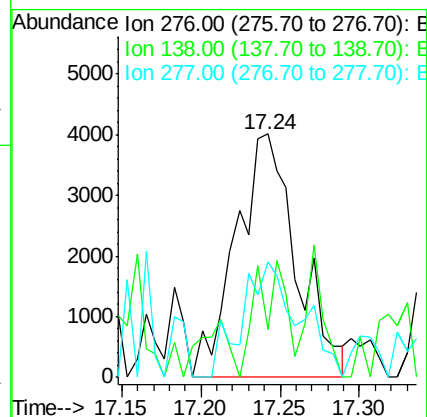
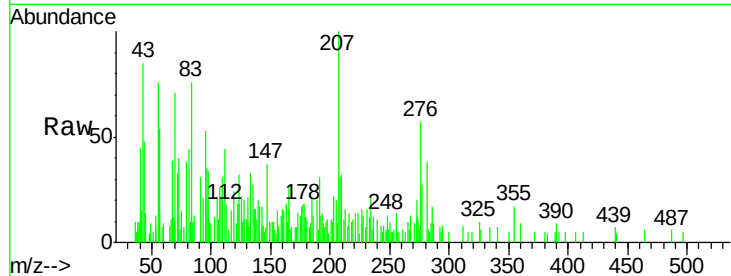
Tgt Ion:276 Resp: 10666

Ion Ratio Lower Upper

276 100

138 11.3 25.0 37.6#

277 45.0 20.1 30.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2270

Delta R.T. 0.00 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

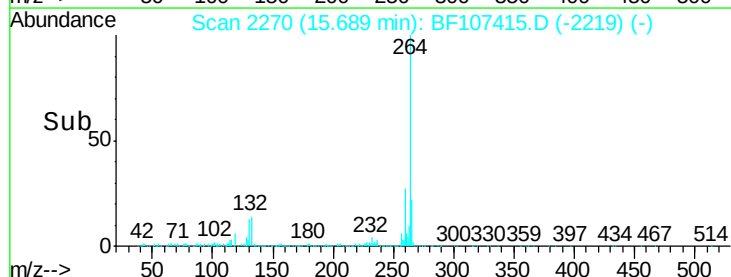
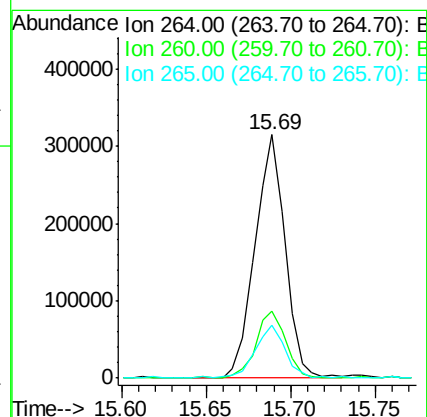
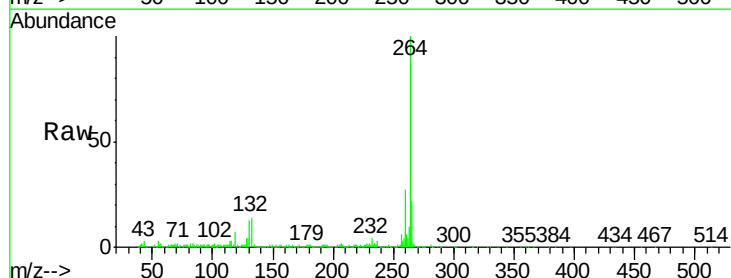
Tgt Ion:264 Resp: 391766

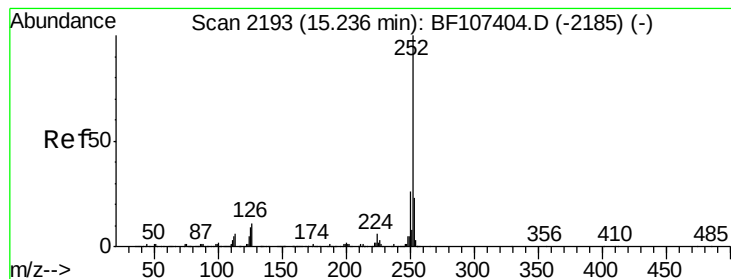
Ion Ratio Lower Upper

264 100

260 27.5 19.2 28.8

265 21.8 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 1.588 ng

RT: 15.23 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-1

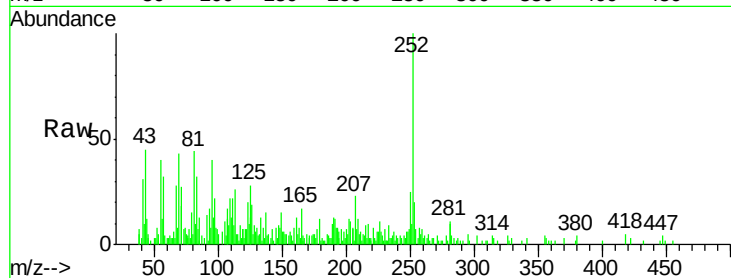
Tgt Ion:252 Resp: 36414

Ion Ratio Lower Upper

252 100

253 19.8 17.0 25.6

125 40.8 9.0 13.6#

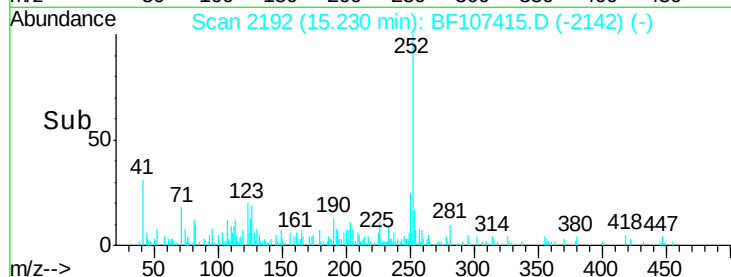


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



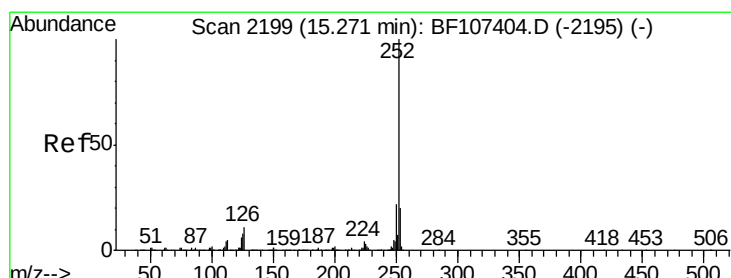
Abundance

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

Time-->



#88

Benzo(k)fluoranthene

Concen: 1.627 ng

RT: 15.23 min Scan# 2192

Delta R.T. -0.04 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

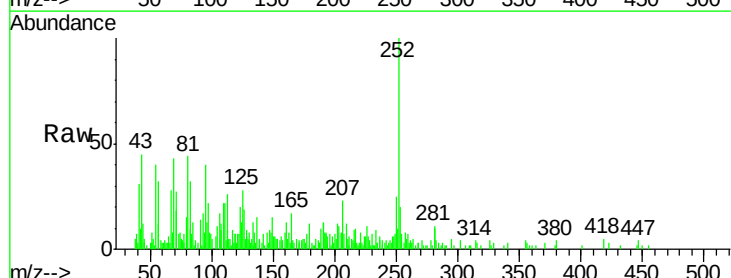
Tgt Ion:252 Resp: 36414

Ion Ratio Lower Upper

252 100

253 19.8 17.9 26.9

125 40.8 10.2 15.2#

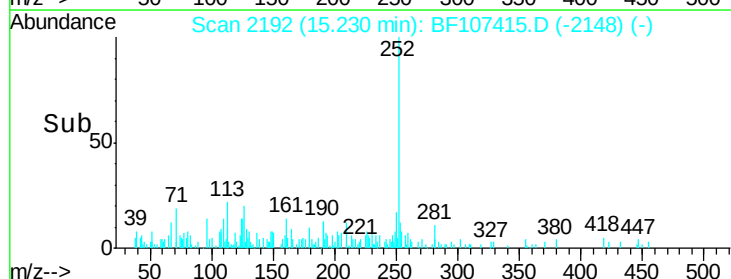


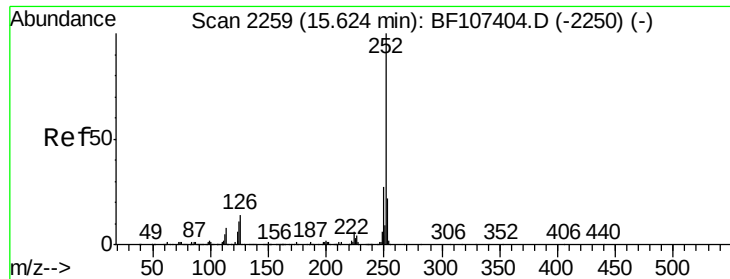
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->





#89

Benzo(a)pyrene

Concen: 0.814 ng

RT: 15.62 min Scan# 2258

Delta R.T. -0.01 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-1

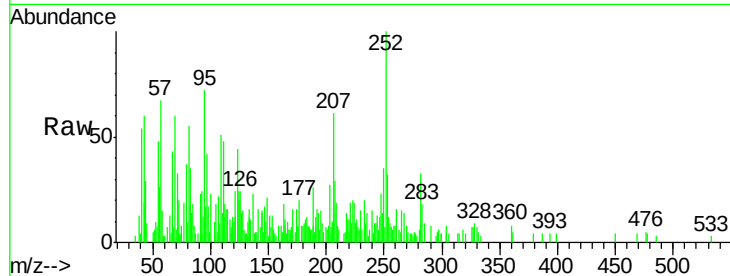
Tgt Ion:252 Resp: 17138

Ion Ratio Lower Upper

252 100

253 31.8 17.1 25.7#

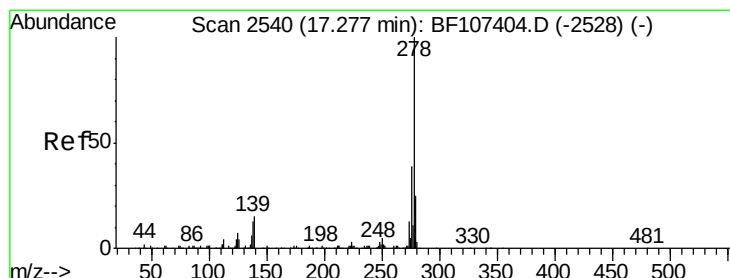
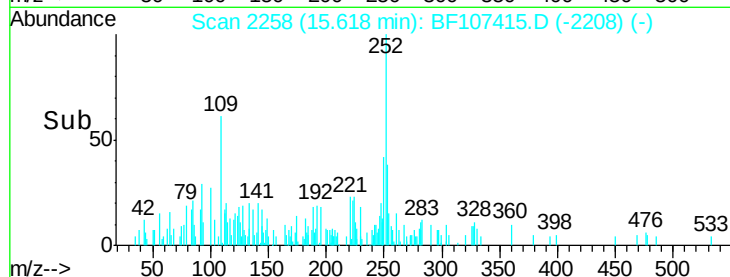
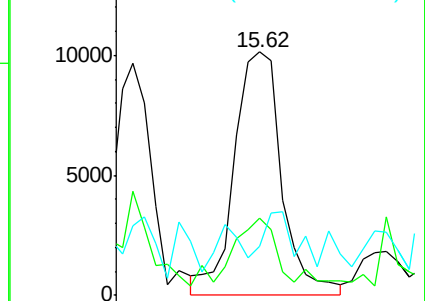
125 20.1 9.8 14.6#



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: 0.087 ng

RT: 17.28 min Scan# 2540

Delta R.T. 0.00 min

Lab File: BF107415.D

Acq: 16 Jul 2018 21:06

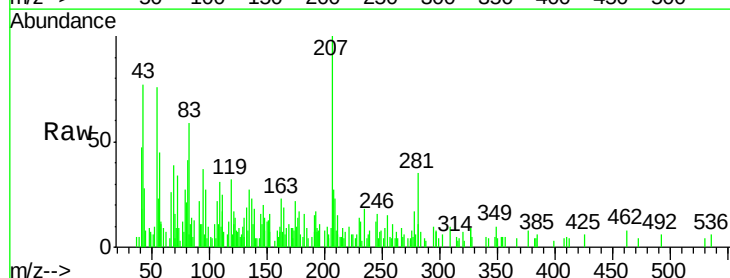
Tgt Ion:278 Resp: 1384

Ion Ratio Lower Upper

278 100

139 103.8 15.9 23.9#

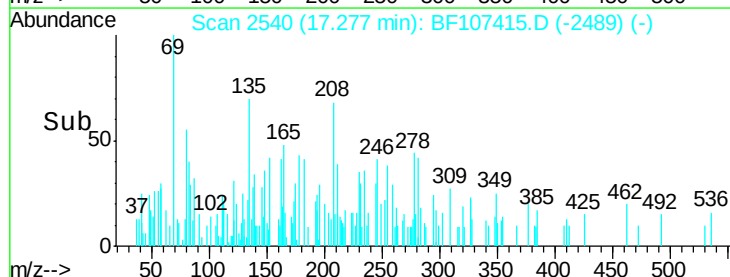
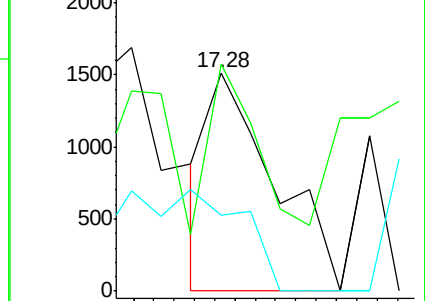
279 34.9 19.0 28.4#

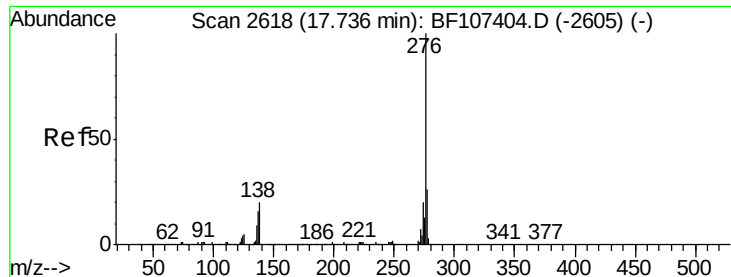


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.691 ng

RT: 17.71 min Scan# 2614

Delta R.T. -0.02 min

Lab File: BF107415.D

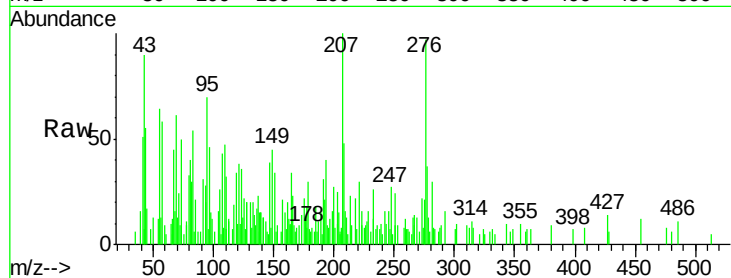
Acq: 16 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-1



Tgt Ion:	276	Resp:	11145
Ion	Ratio	Lower	Upper
276	100		
277	38.4	17.9	26.9#
138	21.8	21.8	32.8

