

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072018\
 Data File : BF107553.D
 Acq On : 21 Jul 2018 4:29
 Operator : JU/SJ
 Sample : J4057-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-2

Quant Time: Jul 21 04:58:16 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	274467	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	923264	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	329446	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	673075	20.00	ng	0.00
75) Chrysene-d12	14.16	240	718252	20.00	ng	0.00
86) Perylene-d12	15.69	264	525045	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	1268071	74.28	ng	0.00
7) Phenol-d6	6.61	99	1459485	71.20	ng	0.00
23) Nitrobenzene-d5	7.54	82	834188	60.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	300389	80.18	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1242695	59.20	ng	0.00
78) Terphenyl-d14	13.09	244	1270147	45.27	ng	0.00

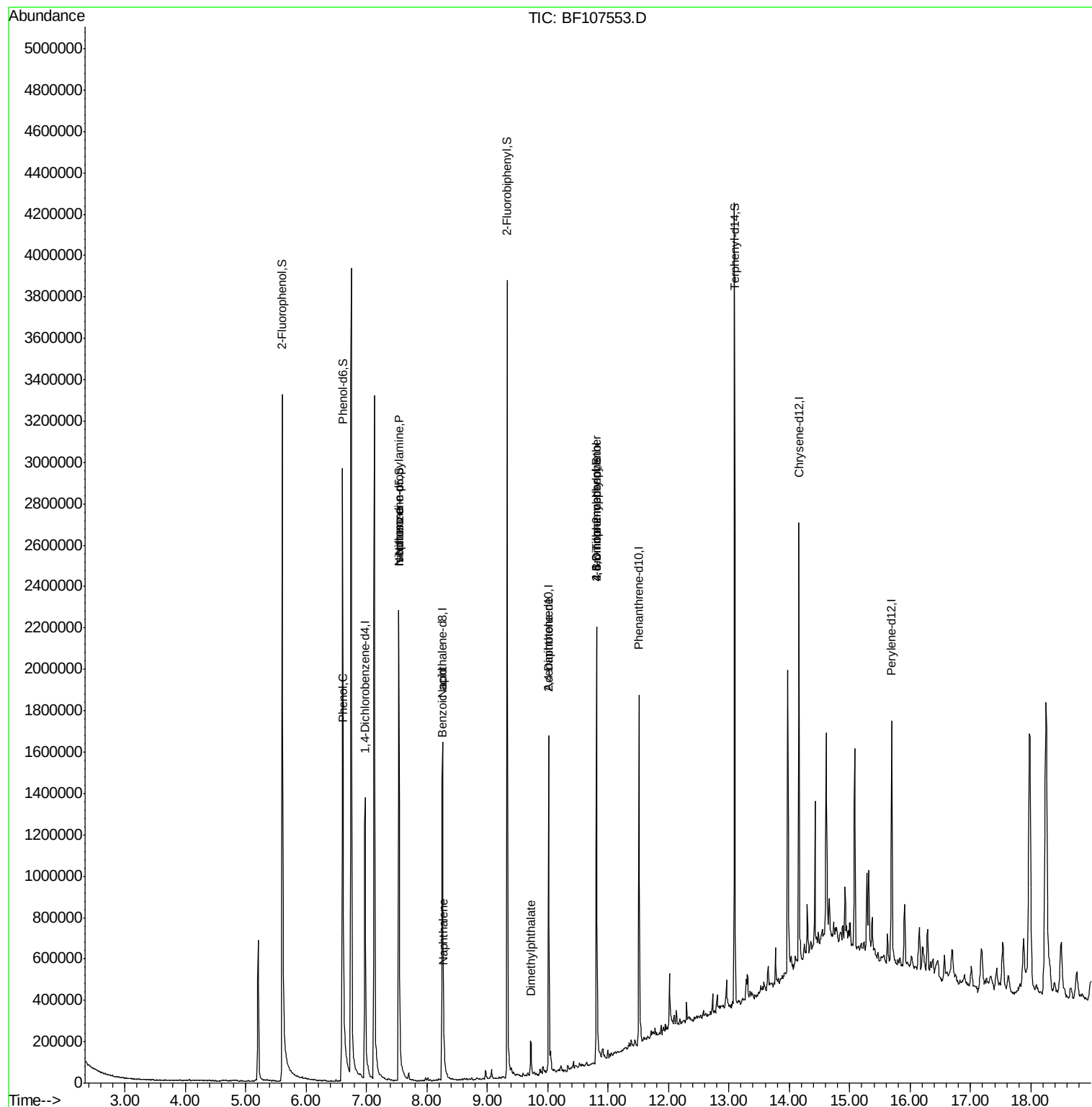
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.61	77	2616	Below Cal		# 1
10) Phenol	6.62	94	59660	2.475	ng	# 62
19) n-Nitroso-di-n-propylamine	7.54	70	111808	8.444	ng	# 81
25) Isophorone	7.54	82	834184	28.558	ng	# 64
31) Naphthalene	8.28	128	95628	2.355	ng	# 99
32) Benzoic acid	8.25	122	138	7.913	ng	# 21
49) Dimethylphthalate	9.72	163	71944	2.898	ng	# 100
56) 2,4-Dinitrotoluene	10.02	165	42788	7.191	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.81	198	570	8.824	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	18459	2.330	ng	# 1
73) Di-n-butylphthalate	12.06	149	5654	Below Cal		# 77
81) 3,3'-Dichlorobenzidine	14.10	252	562	Below Cal		# 64

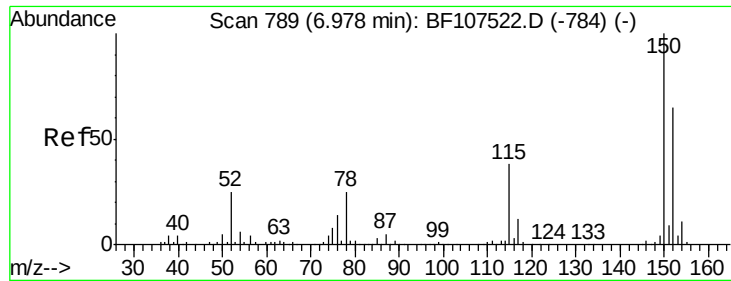
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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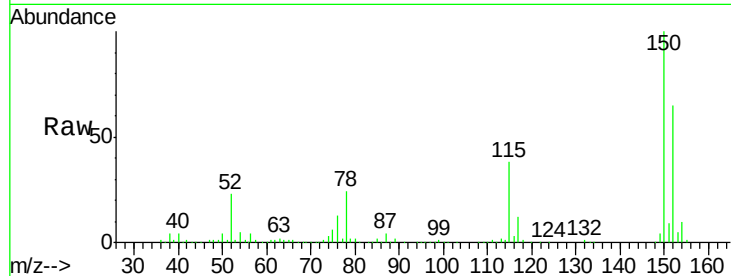


#1

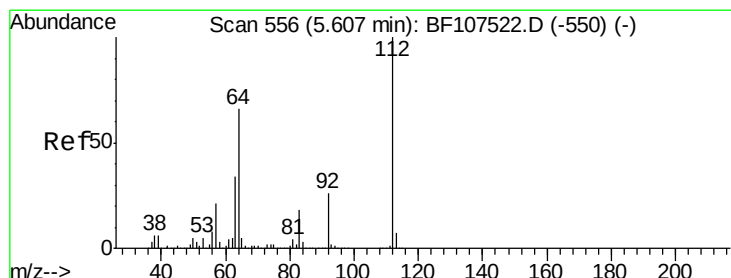
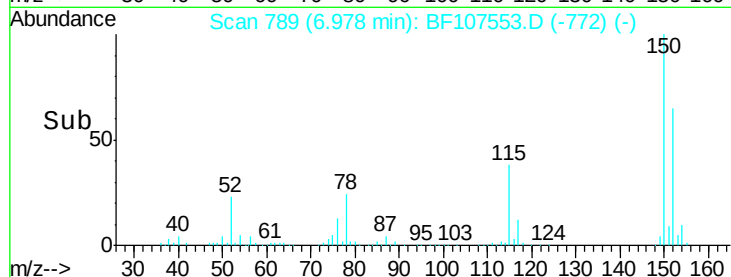
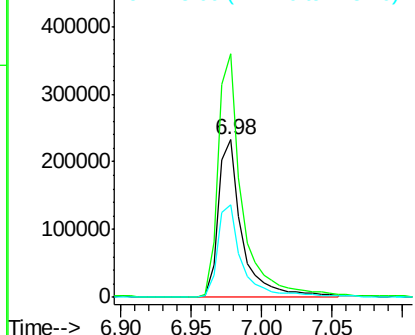
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF107553.D
Acq: 21 Jul 2018 4:29

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-2

Tgt Ion:152 Resp: 274467
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 59.0 50.1 75.1



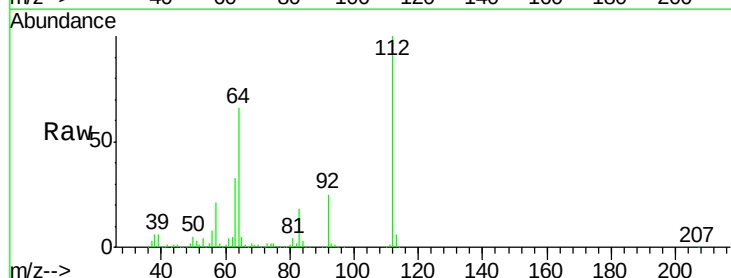
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



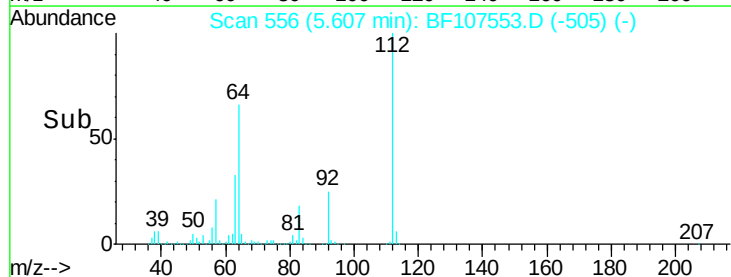
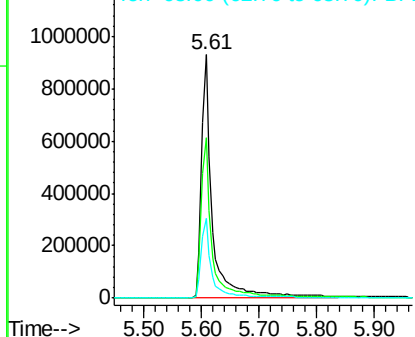
#5

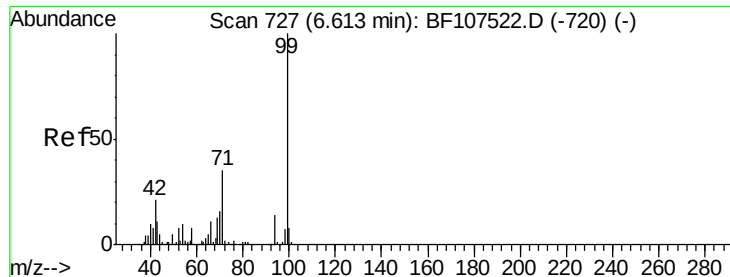
2-Fluorophenol
Concen: 74.283 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107553.D
Acq: 21 Jul 2018 4:29

Tgt Ion:112 Resp: 1268071
Ion Ratio Lower Upper
112 100
64 65.7 47.9 71.9
63 33.0 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





#7

Phenol-d6

Concen: 71.203 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107553.D

Acq: 21 Jul 2018 4:29

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-2

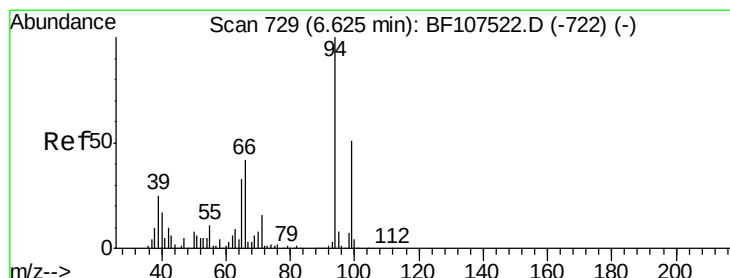
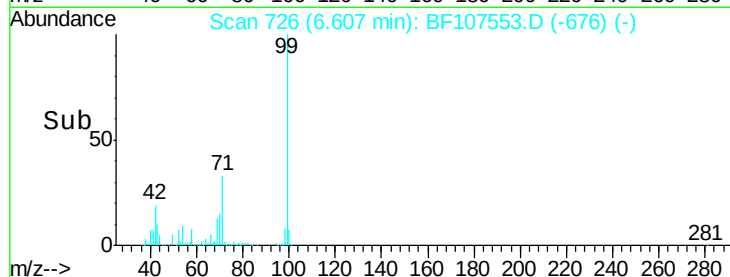
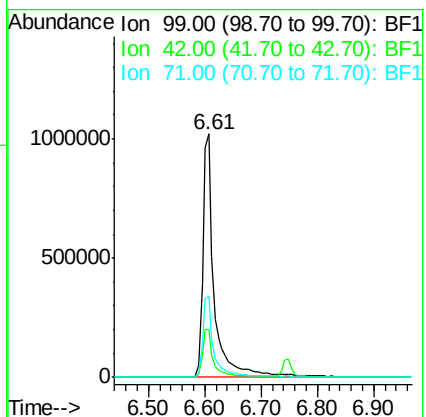
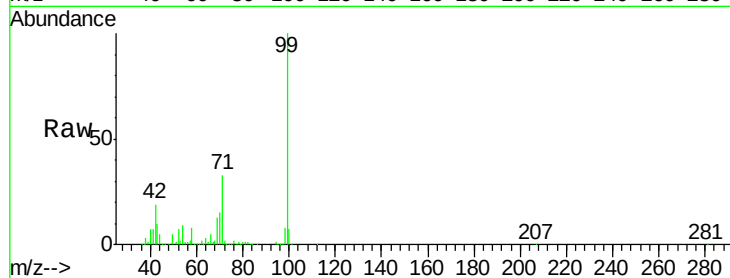
Tgt Ion: 99 Resp: 1459485

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

71 33.2 25.4 38.0



#10

Phenol

Concen: 2.475 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF107553.D

Acq: 21 Jul 2018 4:29

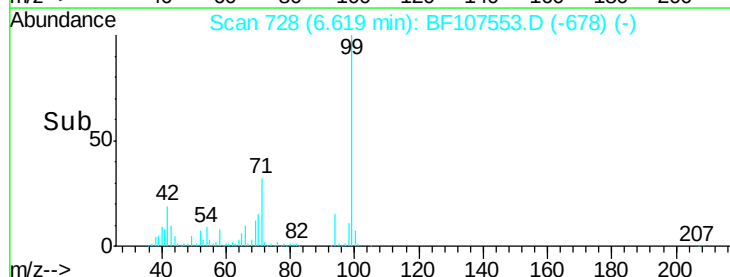
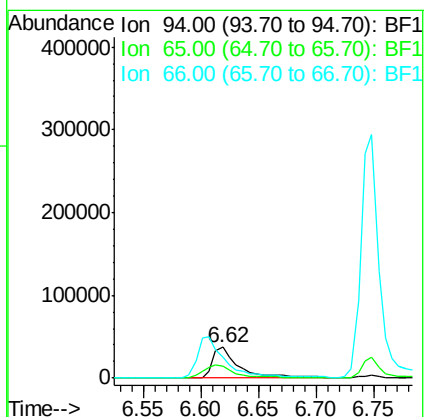
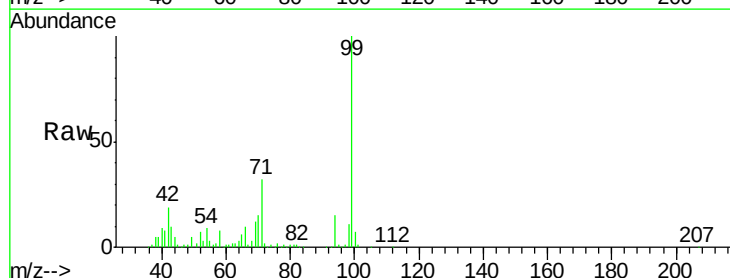
Tgt Ion: 94 Resp: 59660

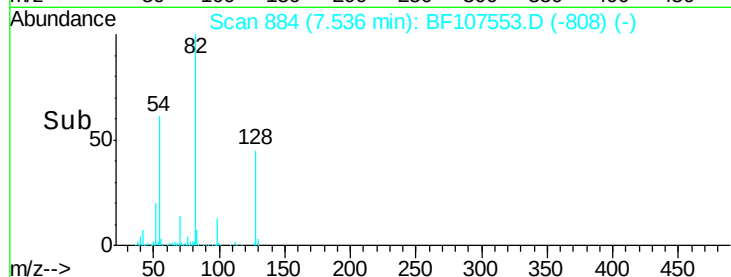
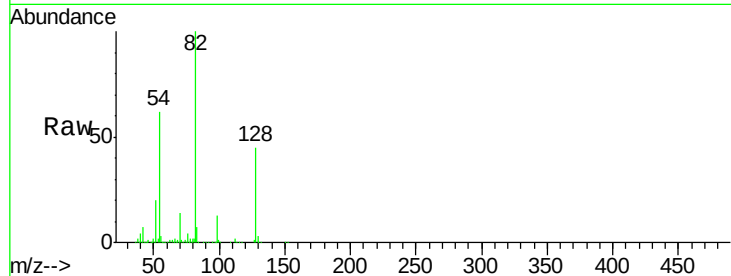
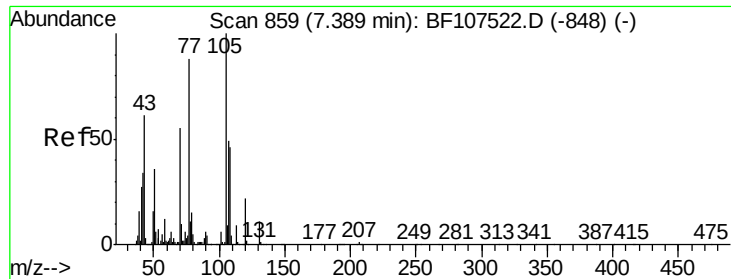
Ion Ratio Lower Upper

94 100

65 37.3 7.9 47.9

66 67.7 16.2 56.2#

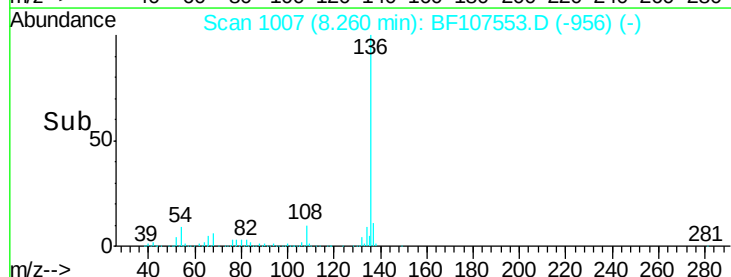
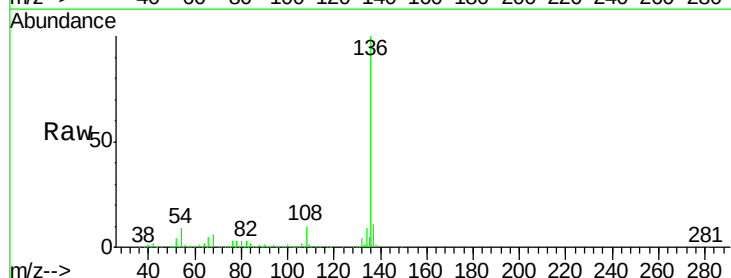
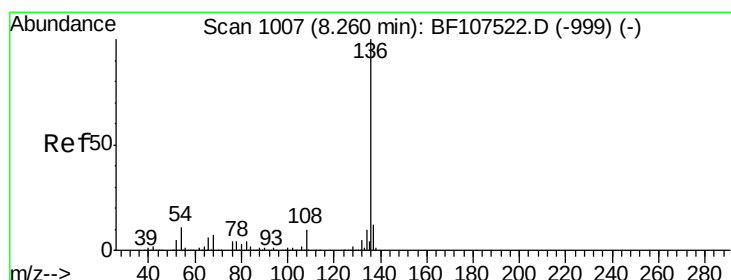
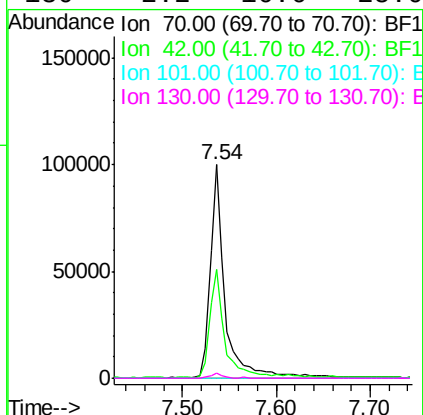




#19
n-Nitroso-di-n-propylamine
Concen: 8.444 ng
RT: 7.54 min Scan# 884
Delta R.T. 0.15 min
Lab File: BF107553.D
Acq: 21 Jul 2018 4:29

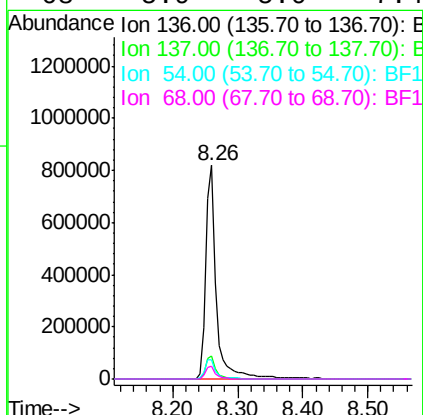
Instrument :
BNA_F
ClientSampleId :
LS-SOIL-2

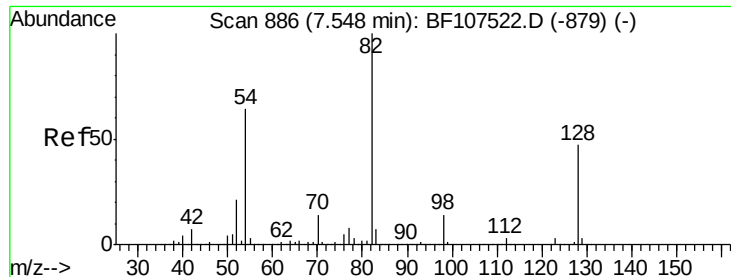
Tgt Ion: 70 Resp: 111808
Ion Ratio Lower Upper
70 100
42 50.9 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BF107553.D
Acq: 21 Jul 2018 4:29

Tgt Ion: 136 Resp: 923264
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 9.1 6.6 9.8
68 5.9 5.0 7.4

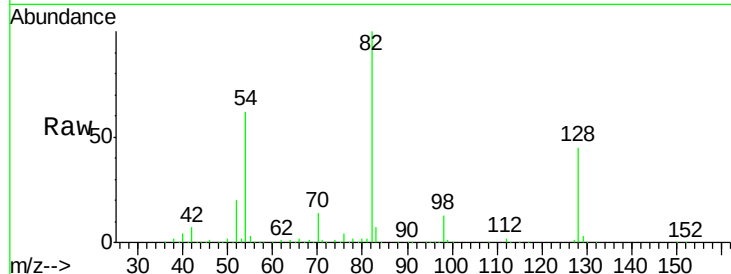




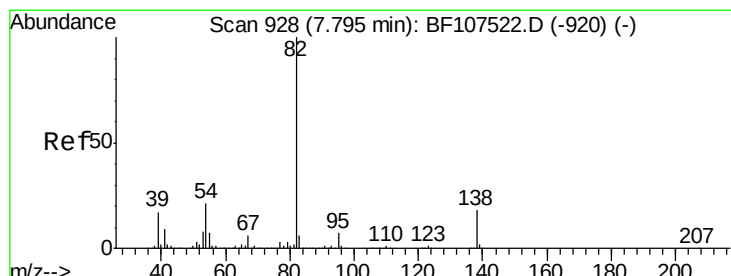
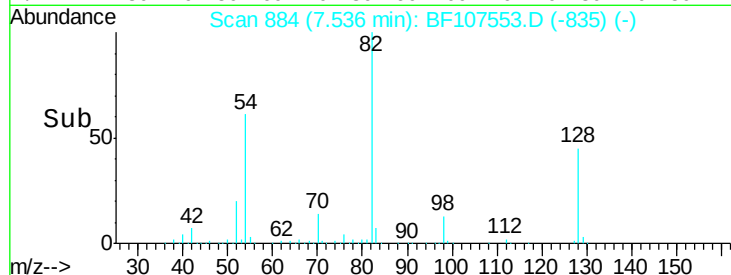
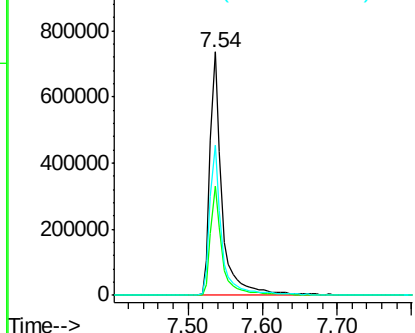
#23
Nitrobenzene-d5
Concen: 60.976 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF107553.D
Acq: 21 Jul 2018 4:29

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-2

Tgt Ion: 82 Resp: 834188
Ion Ratio Lower Upper
82 100
128 45.1 36.1 54.1
54 61.5 41.4 62.2

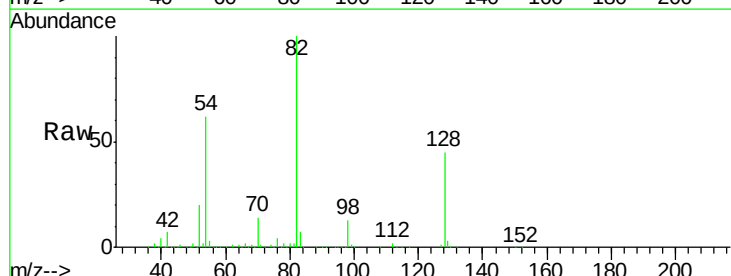


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

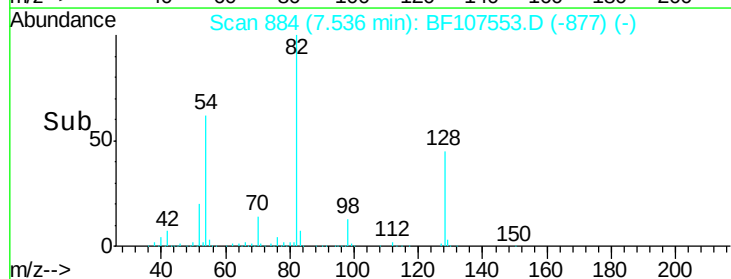
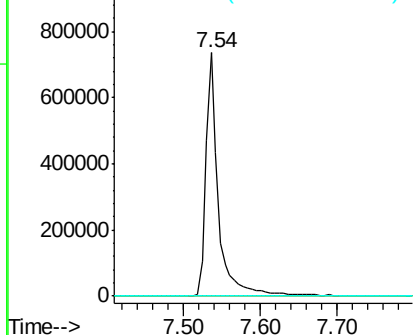


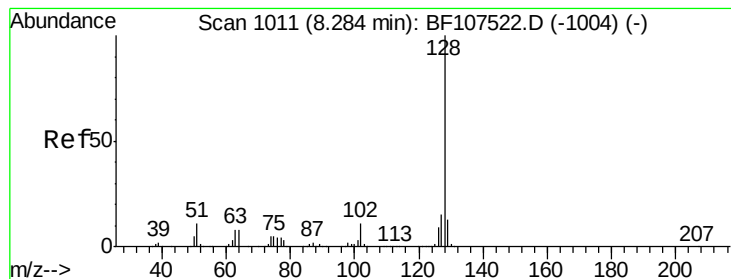
#25
Isophorone
Concen: 28.558 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.26 min
Lab File: BF107553.D
Acq: 21 Jul 2018 4:29

Tgt Ion: 82 Resp: 834184
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





#31

Naphthalene

Concen: 2.355 ng

RT: 8.28 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF107553.D

Acq: 21 Jul 2018 4:29

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-2

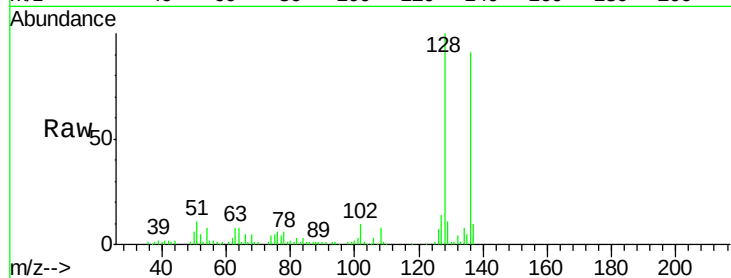
Tgt Ion:128 Resp: 95628

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

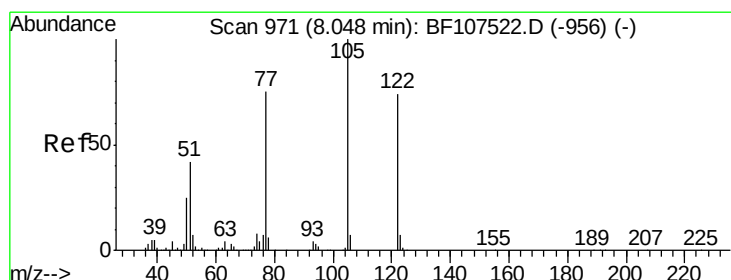
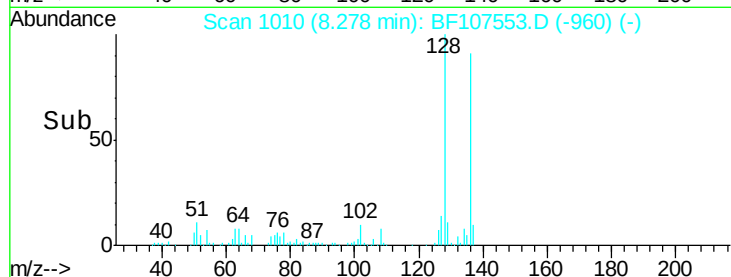
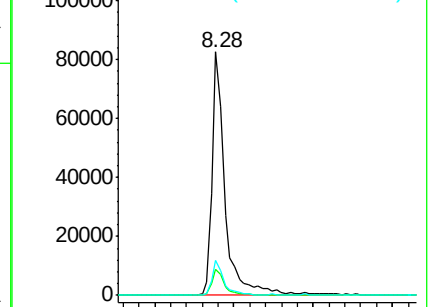
127 14.2 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 7.913 ng

RT: 8.25 min Scan# 1005

Delta R.T. 0.20 min

Lab File: BF107553.D

Acq: 21 Jul 2018 4:29

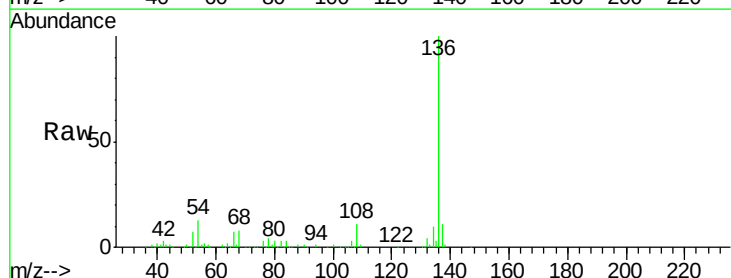
Tgt Ion:122 Resp: 138

Ion Ratio Lower Upper

122 100

105 85.2 101.1 141.1#

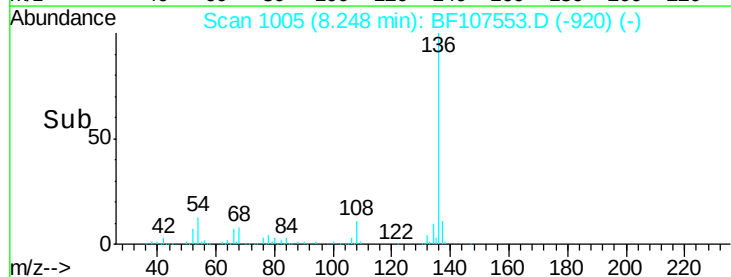
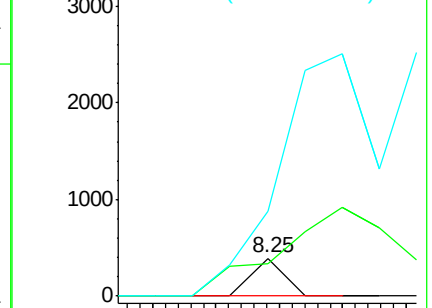
77 224.6 70.7 110.7#

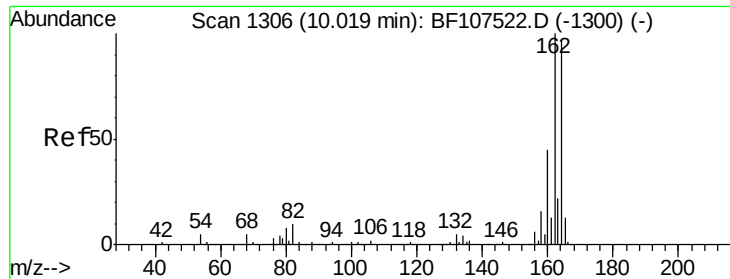


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BF107553.D

Acq: 21 Jul 2018 4:29

Instrument :

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ClientSampleId :

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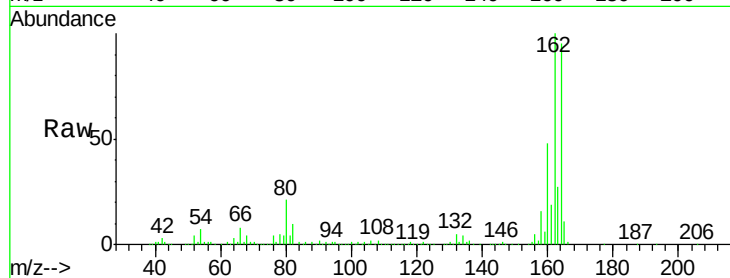
Tgt Ion:164 Resp: 329446

Ion Ratio Lower Upper

164 100

162 105.2 86.1 129.1

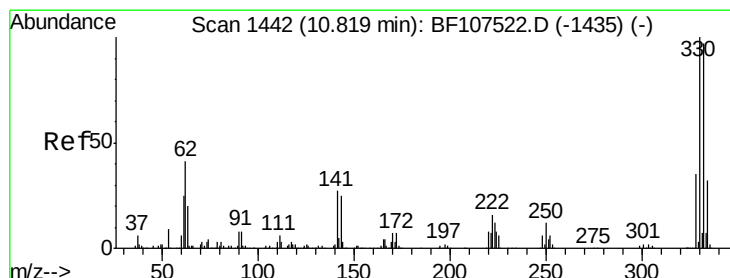
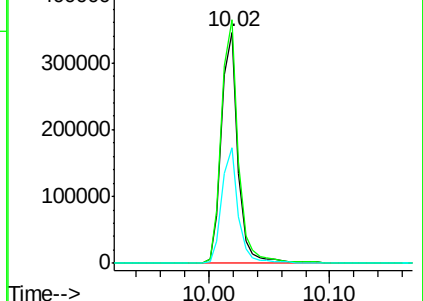
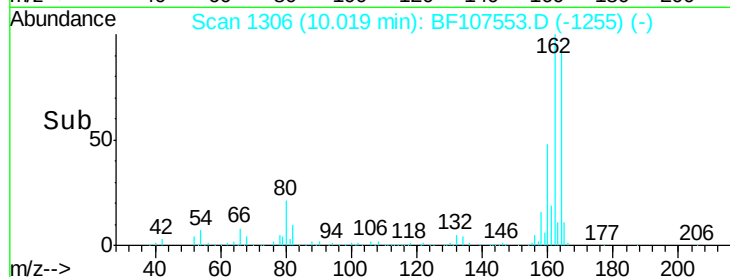
160 50.0 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 80.183 ng

RT: 10.81 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF107553.D

Acq: 21 Jul 2018 4:29

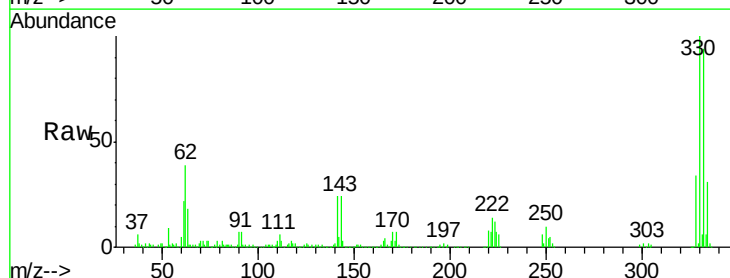
Tgt Ion:330 Resp: 300389

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

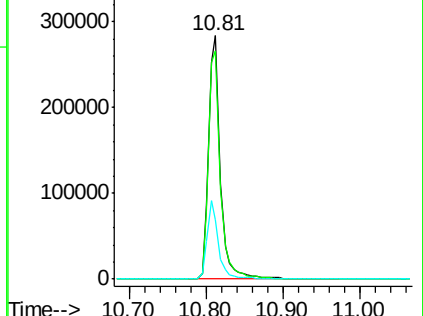
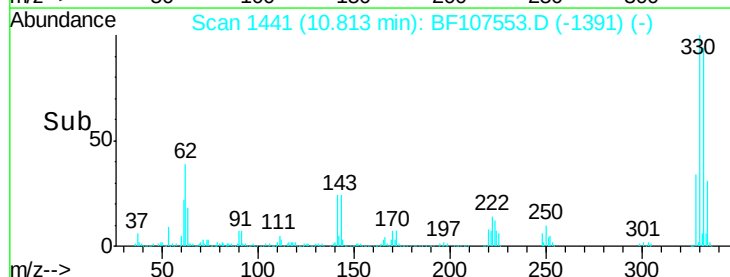
141 30.4 29.9 44.9

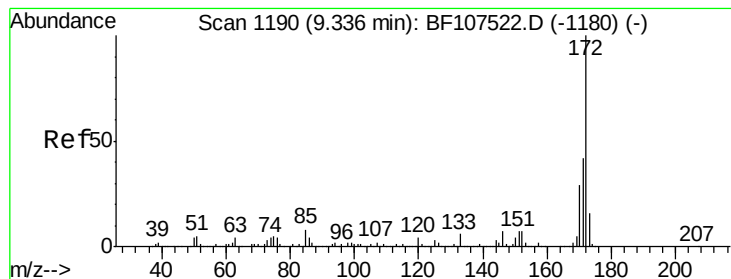


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 59.199 ng

RT: 9.33 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF107553.D

Acq: 21 Jul 2018 4:29

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-2

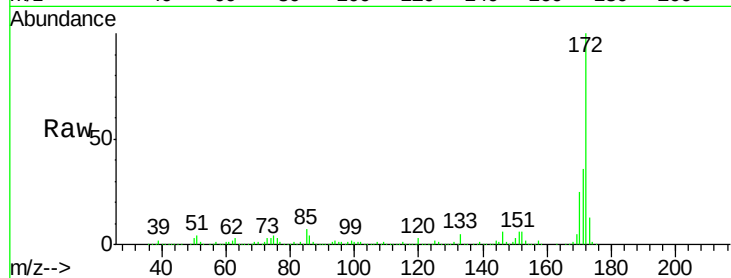
Tgt Ion:172 Resp: 1242695

Ion Ratio Lower Upper

172 100

171 36.2 29.7 44.5

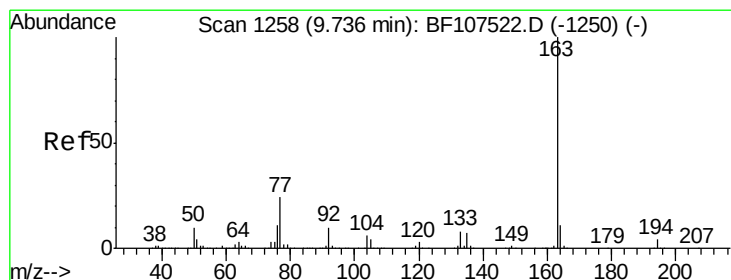
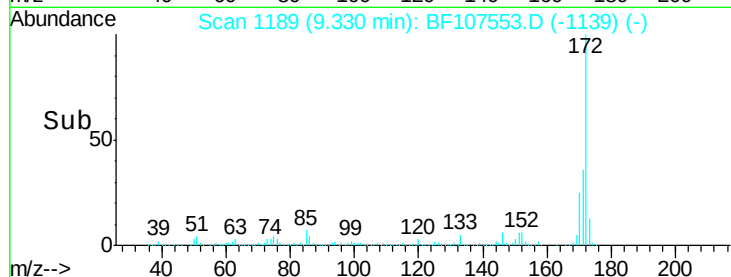
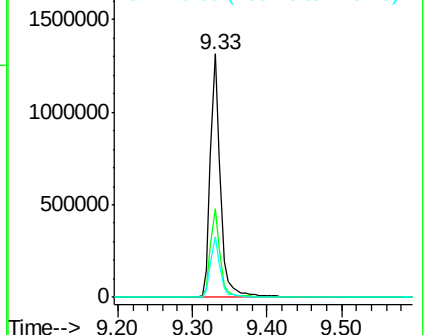
170 24.8 19.6 29.4



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



#49

Dimethylphthalate

Concen: 2.898 ng

RT: 9.72 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF107553.D

Acq: 21 Jul 2018 4:29

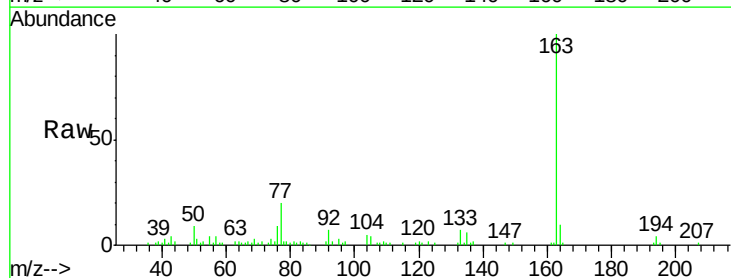
Tgt Ion:163 Resp: 71944

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

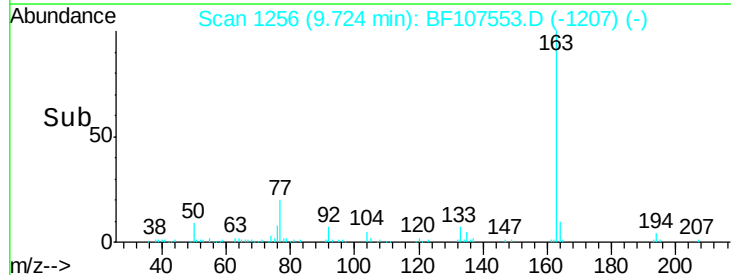
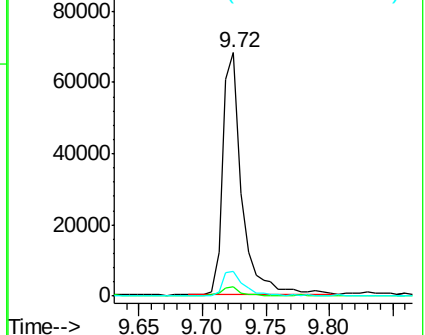
164 10.3 8.2 12.2

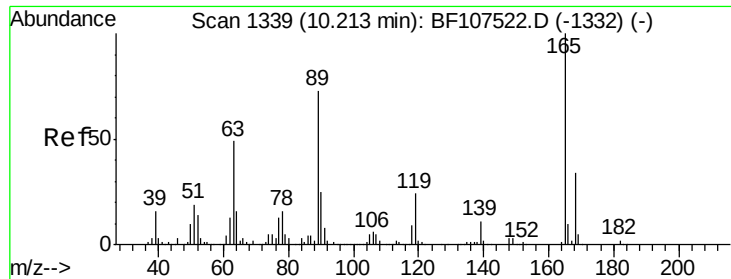


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

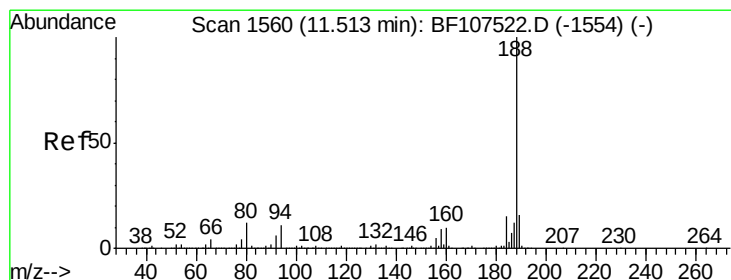
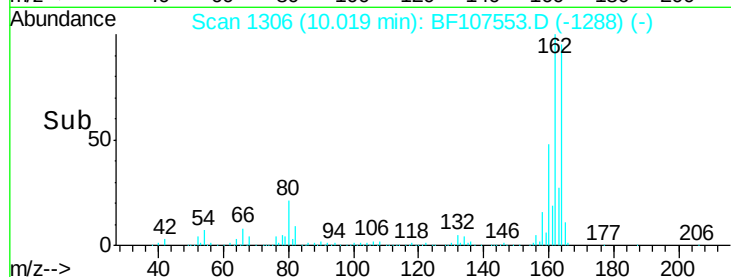
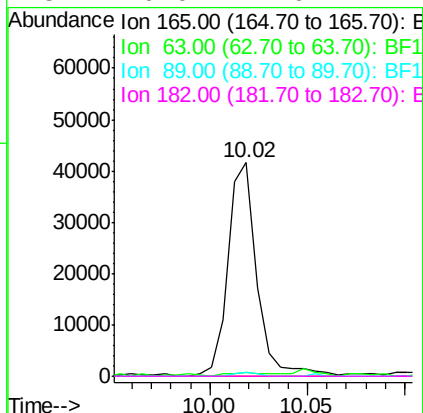
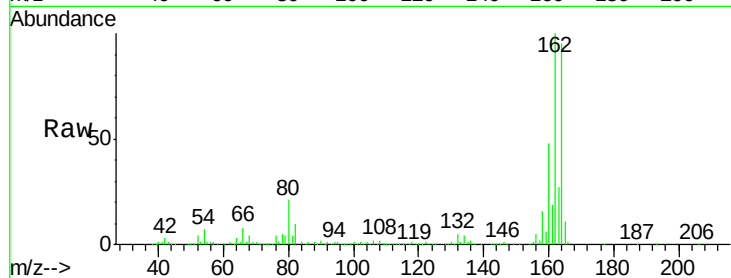




#56
 2,4-Dinitrotoluene
 Concen: 7.191 ng
 RT: 10.02 min Scan# 1306
 Delta R.T. -0.19 min
 Lab File: BF107553.D
 Acq: 21 Jul 2018 4:29

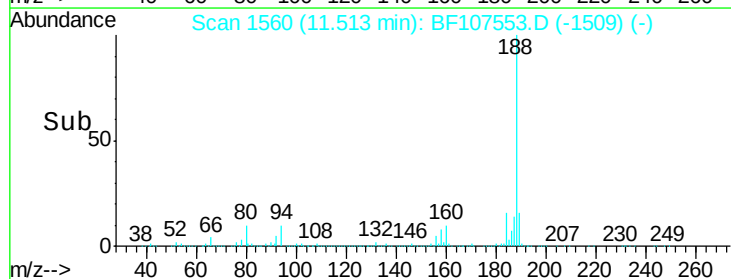
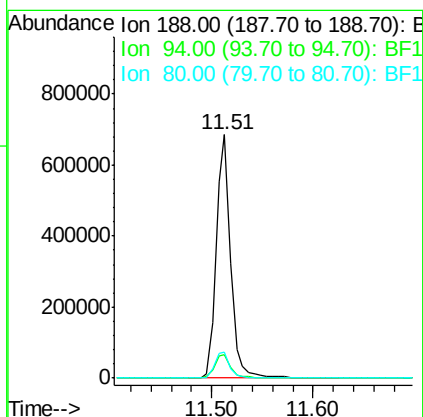
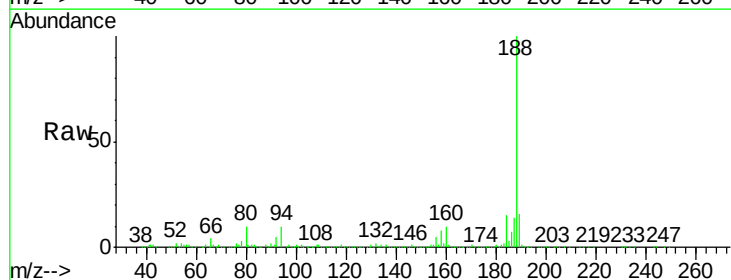
Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-2

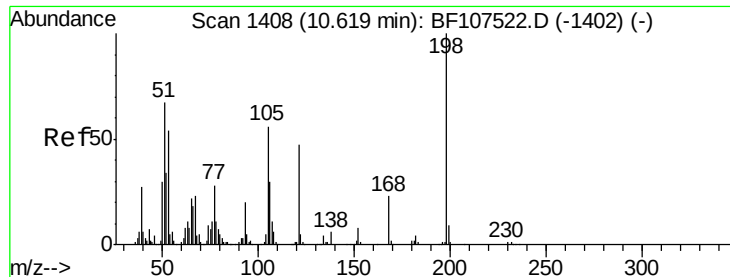
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	2.1	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BF107553.D
 Acq: 21 Jul 2018 4:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.4	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.824 ng

RT: 10.81 min Scan# 1441

Delta R.T. 0.19 min

Lab File: BF107553.D

Acq: 21 Jul 2018 4:29

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-2

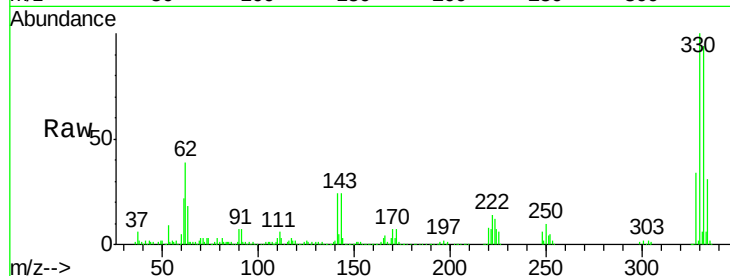
Tgt Ion:198 Resp: 570

Ion Ratio Lower Upper

198 100

51 81.7 37.7 77.7#

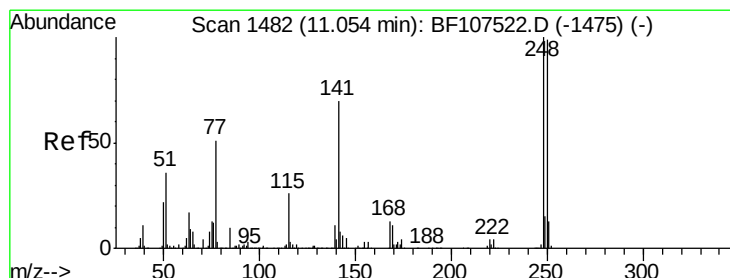
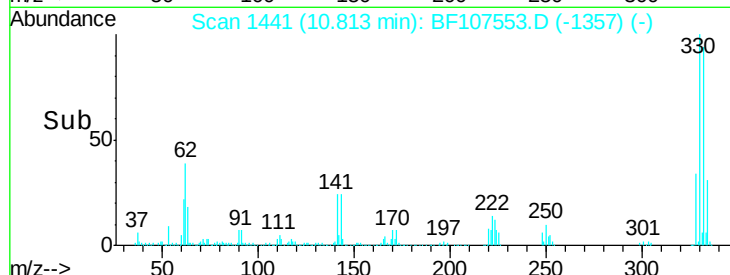
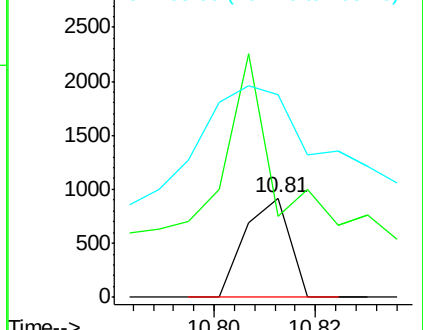
105 203.1 36.3 76.3#



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



#66

4-Bromophenyl-phenylether

Concen: 2.330 ng

RT: 10.81 min Scan# 1440

Delta R.T. -0.25 min

Lab File: BF107553.D

Acq: 21 Jul 2018 4:29

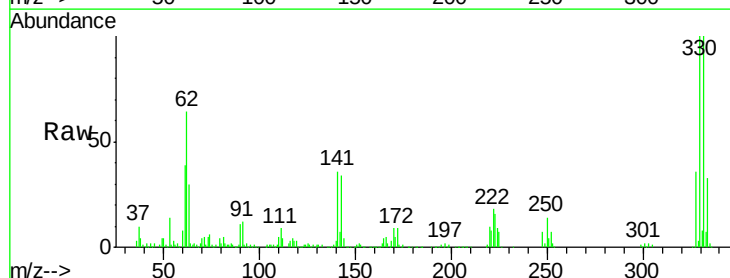
Tgt Ion:248 Resp: 18459

Ion Ratio Lower Upper

248 100

250 209.0 76.9 115.3#

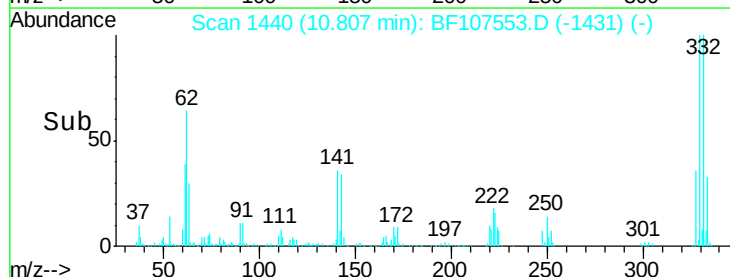
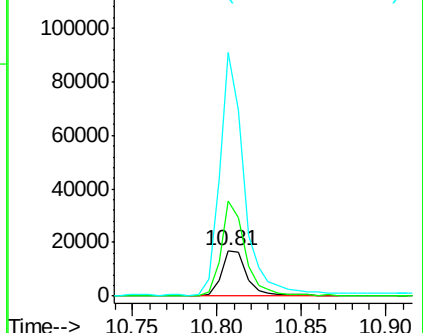
141 537.0 74.4 111.6#

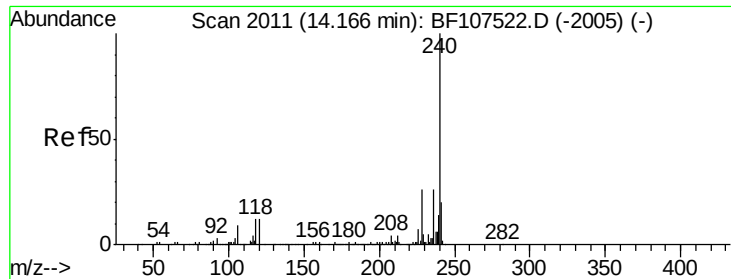


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107553.D

Acq: 21 Jul 2018 4:29

Instrument :

BNA_F

ClientSampled :

LS-SOIL-2

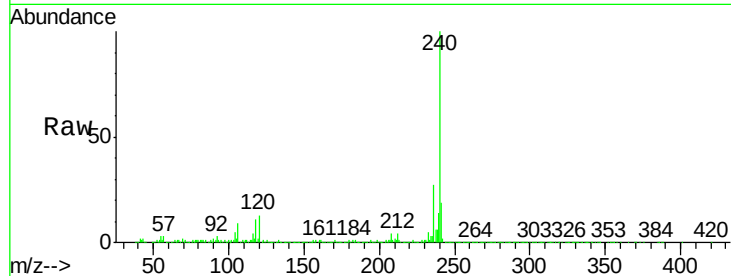
Tgt Ion:240 Resp: 718252

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

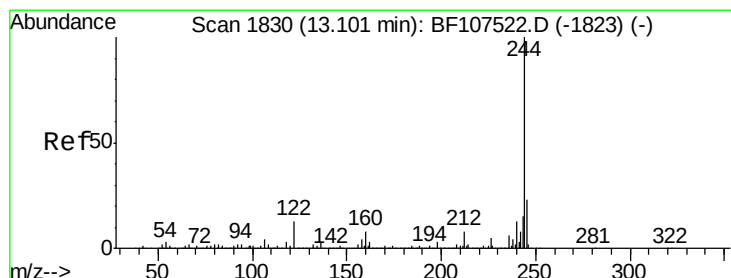
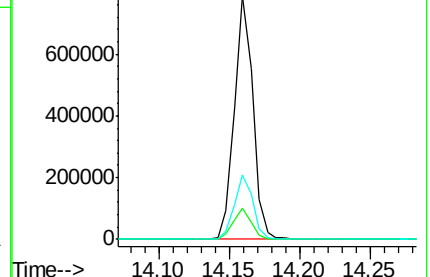
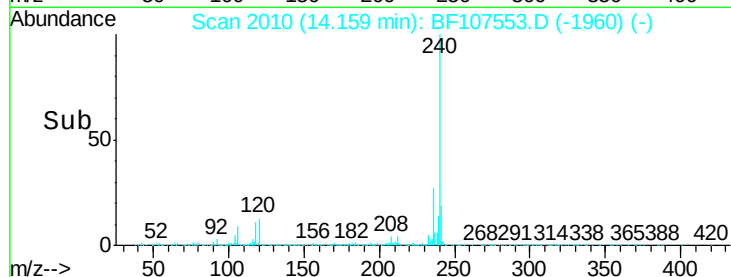
236 26.6 20.7 31.1



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



#78

Terphenyl-d14

Concen: 45.272 ng

RT: 13.09 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF107553.D

Acq: 21 Jul 2018 4:29

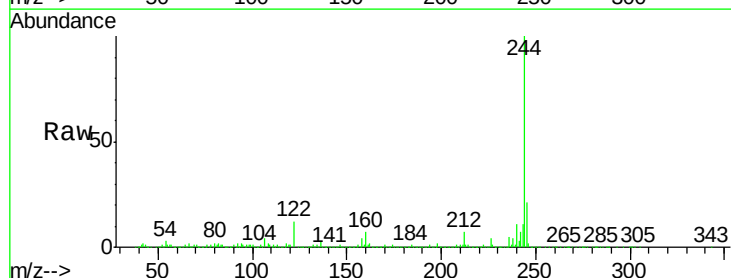
Tgt Ion:244 Resp: 1270147

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

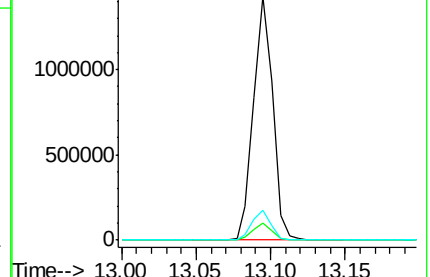
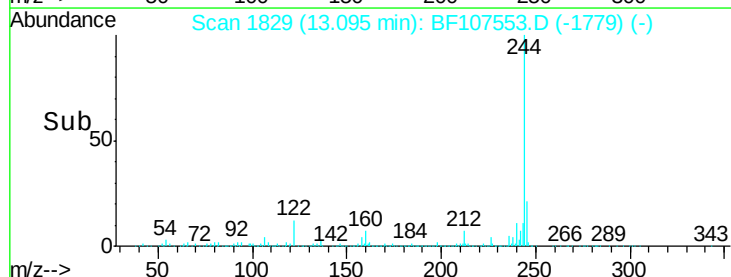
122 12.1 11.0 16.4

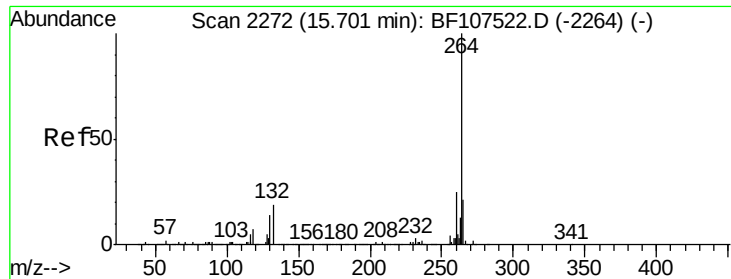


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF107553.D
Acq: 21 Jul 2018 4:29

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.5	17.5	26.3

