

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072018\
 Data File : BF107539.D
 Acq On : 20 Jul 2018 22:18
 Operator : JU/SJ
 Sample : J4057-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-3

Quant Time: Jul 21 01:35:24 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	6.97	152	323352	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	1274053	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	552130	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	983820	20.00	ng	0.00
75) Chrysene-d12	14.15	240	688821	20.00	ng	-0.01
86) Perylene-d12	15.69	264	793706	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1590507	79.09	ng	0.00
7) Phenol-d6	6.60	99	1971823	81.65	ng	-0.01
23) Nitrobenzene-d5	7.54	82	1182767	62.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	506620	80.69	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	1983046	55.62	ng	0.00
78) Terphenyl-d14	13.10	244	1559046	57.94	ng	0.00

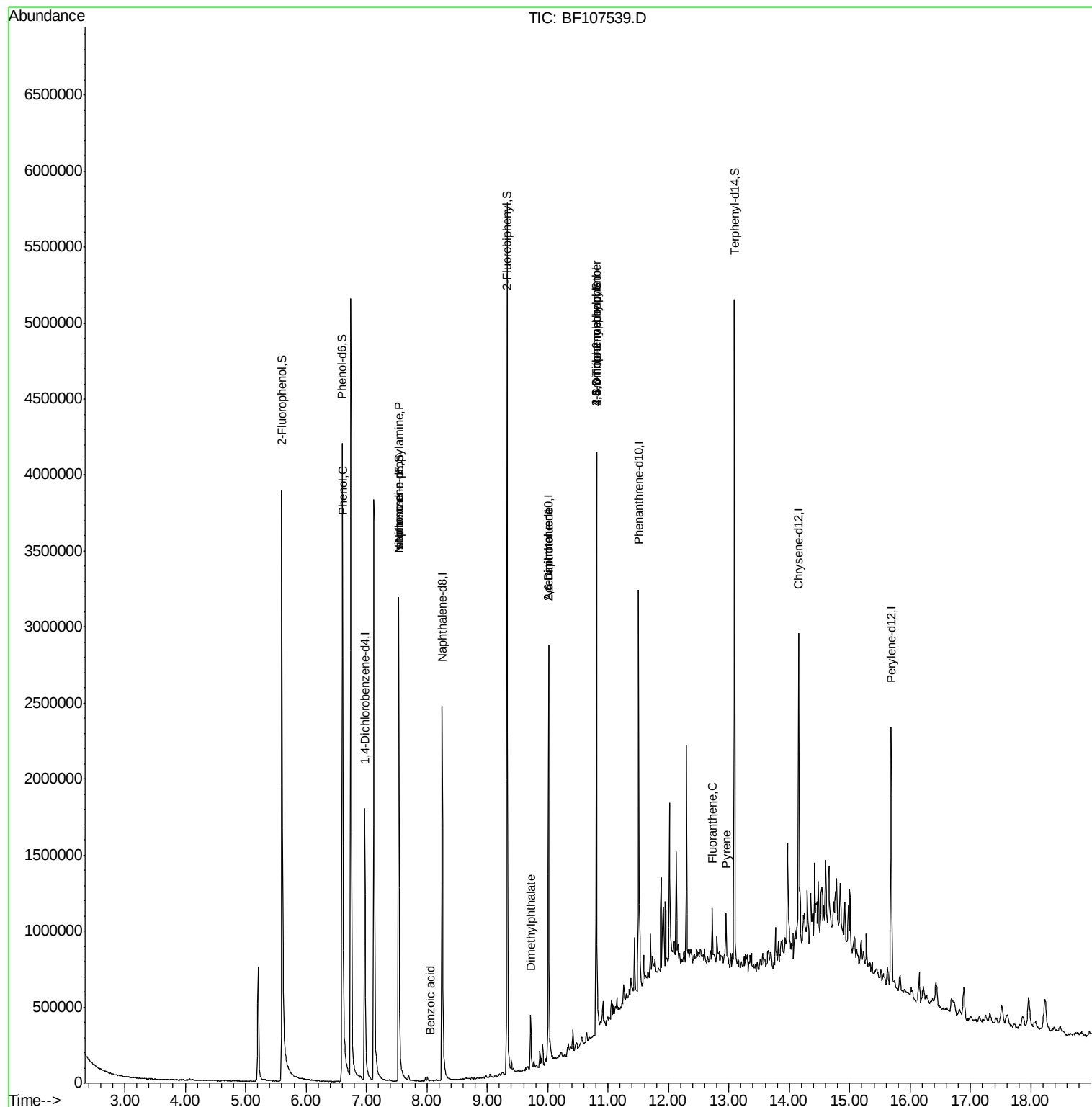
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.61	77	3520	Below Cal	#	1
10) Phenol	6.61	94	83497	2.940	ng	54
19) n-Nitroso-di-n-propylamine	7.54	70	155910	9.994	ng	77
25) Isophorone	7.54	82	1182760	29.343	ng	64
32) Benzoic acid	8.05	122	281	7.919	ng	30
49) Dimethylphthalate	9.72	163	130294	3.131	ng	97
50) 2,6-Dinitrotoluene	10.01	165	72087	8.725	ng	25
56) 2,4-Dinitrotoluene	10.01	165	72087	7.228	ng	23
64) 4,6-Dinitro-2-methylphenol	10.81	198	1099	8.870	ng	1
66) 4-Bromophenyl-phenylether	10.81	248	31263	2.699	ng	1
73) Di-n-butylphthalate	12.05	149	11874	Below Cal	#	70
74) Fluoranthene	12.72	202	142013	2.760	ng	97
77) Pyrene	12.95	202	137529	2.919	ng	95
81) 3,3'-Dichlorobenzidine	14.09	252	688	Below Cal	#	1

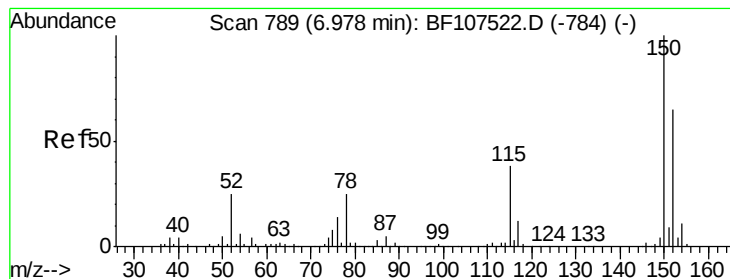
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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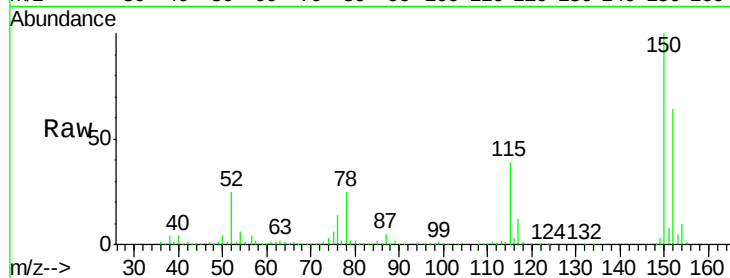


#1

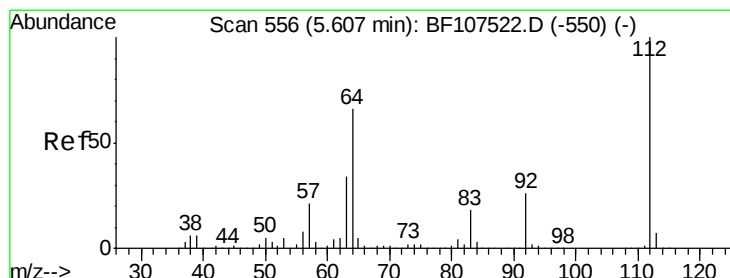
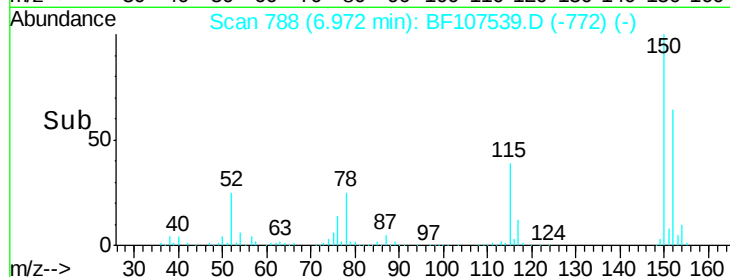
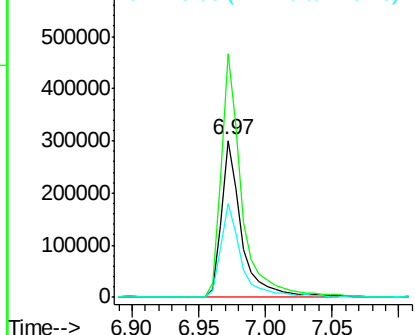
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF107539.D
Acq: 20 Jul 2018 22:18

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

Tgt Ion:152 Resp: 323352
Ion Ratio Lower Upper
152 100
150 155.2 124.6 186.8
115 60.0 50.1 75.1



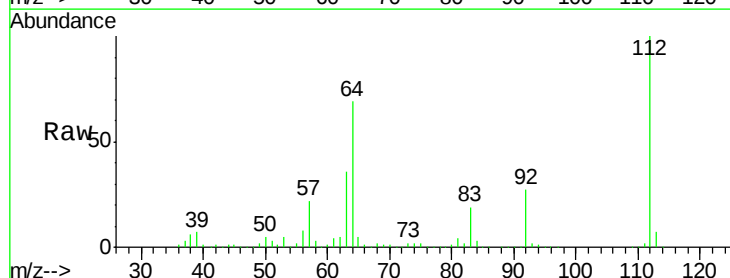
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



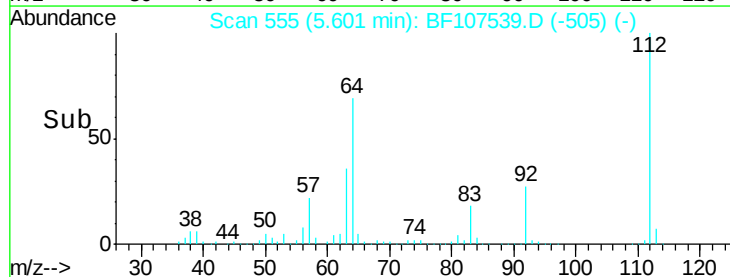
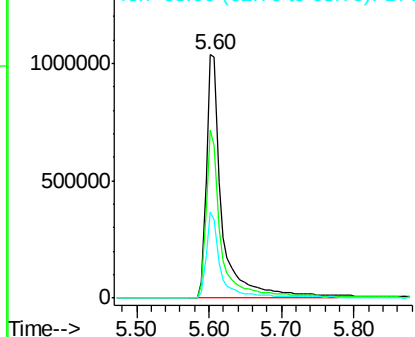
#5

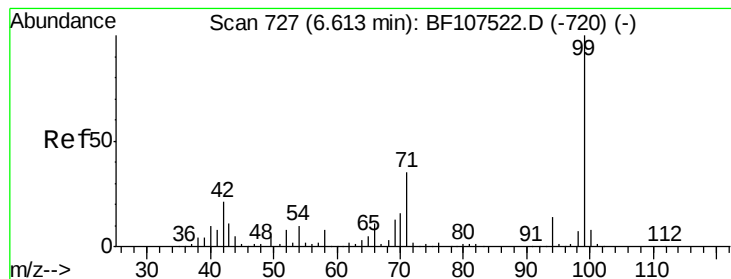
2-Fluorophenol
Concen: 79.085 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107539.D
Acq: 20 Jul 2018 22:18

Tgt Ion:112 Resp: 1590507
Ion Ratio Lower Upper
112 100
64 69.0 47.9 71.9
63 35.5 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: 81.654 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107539.D

Acq: 20 Jul 2018 22:18

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

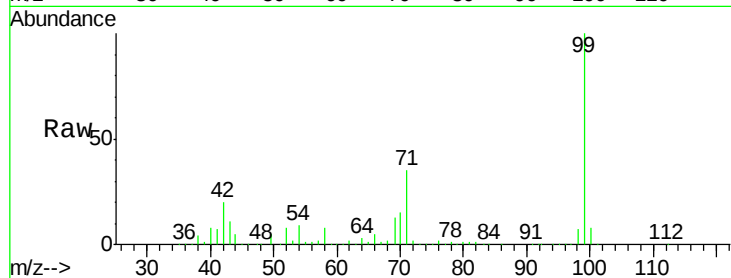
Tgt Ion: 99 Resp: 1971823

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

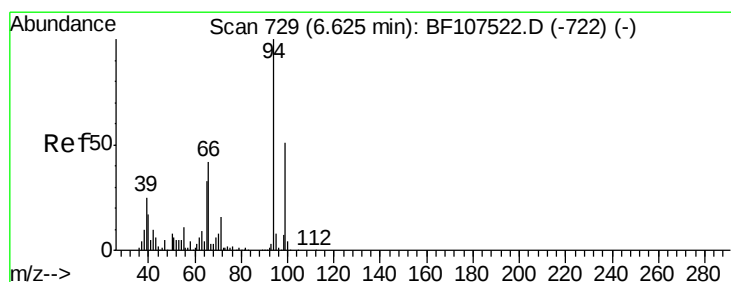
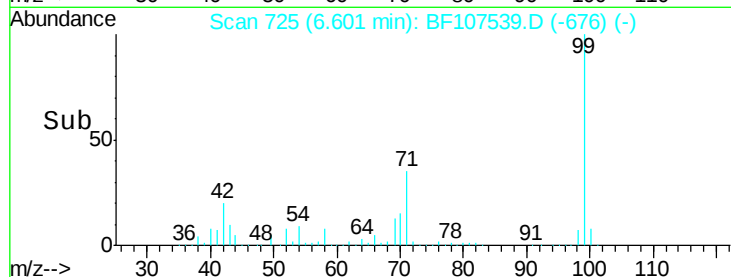
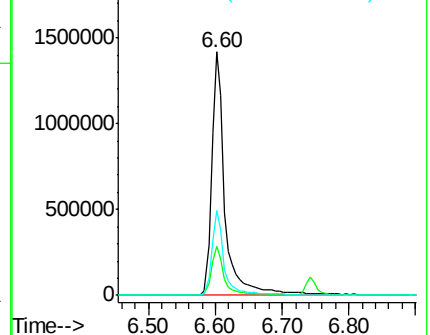
71 35.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.940 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF107539.D

Acq: 20 Jul 2018 22:18

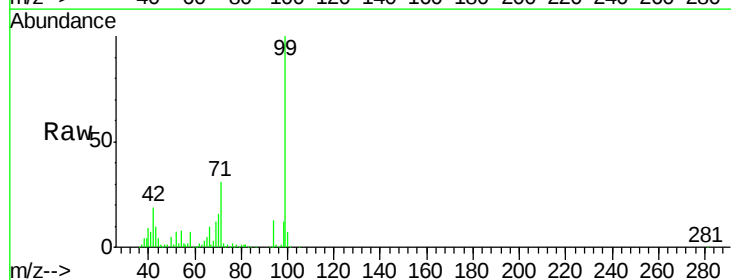
Tgt Ion: 94 Resp: 83497

Ion Ratio Lower Upper

94 100

65 36.9 7.9 47.9

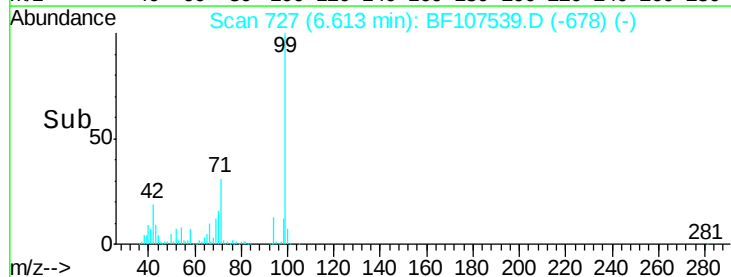
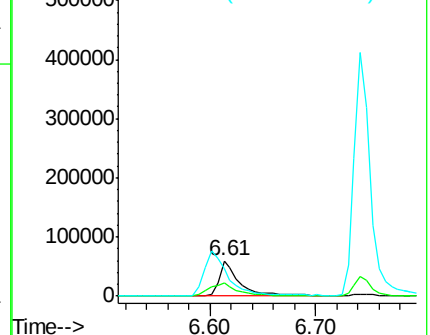
66 76.4 16.2 56.2#

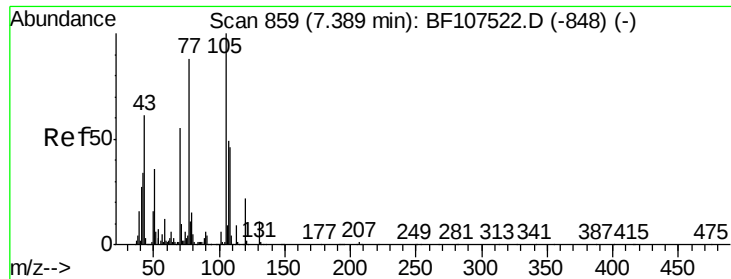


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

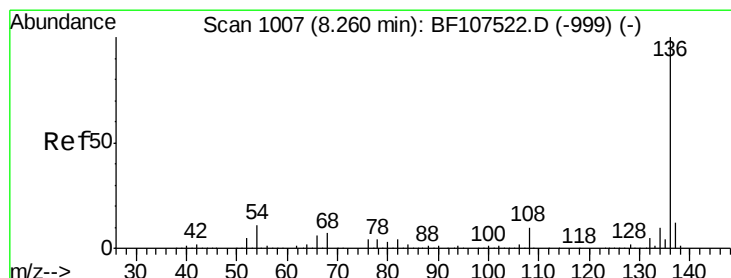
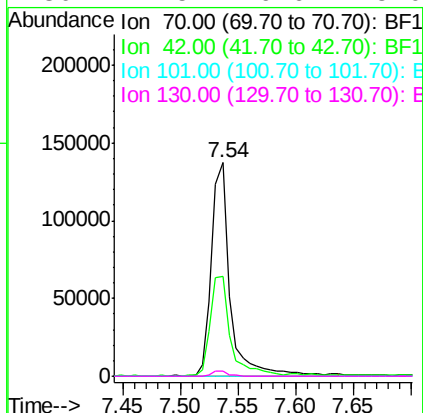
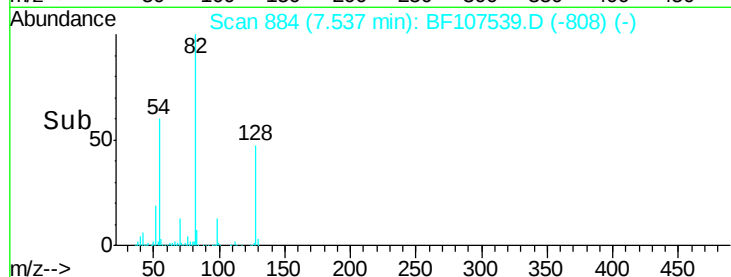
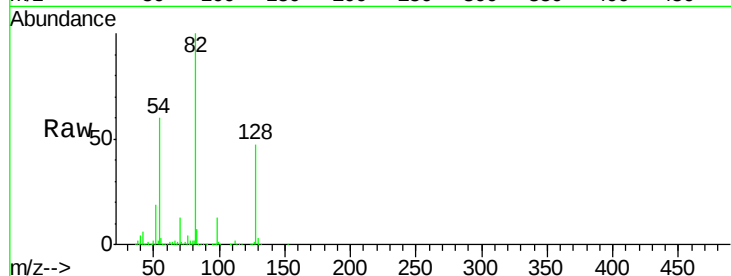




#19
n-Nitroso-di-n-propylamine
Concen: 9.994 ng
RT: 7.54 min Scan# 884
Delta R.T. 0.15 min
Lab File: BF107539.D
Acq: 20 Jul 2018 22:18

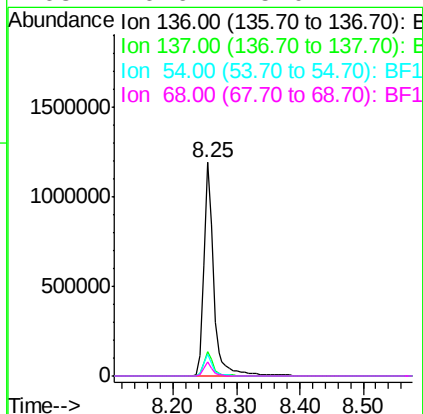
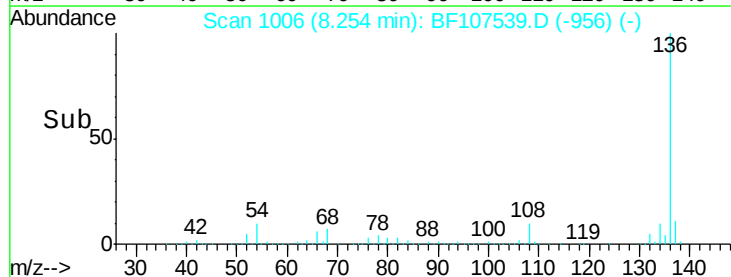
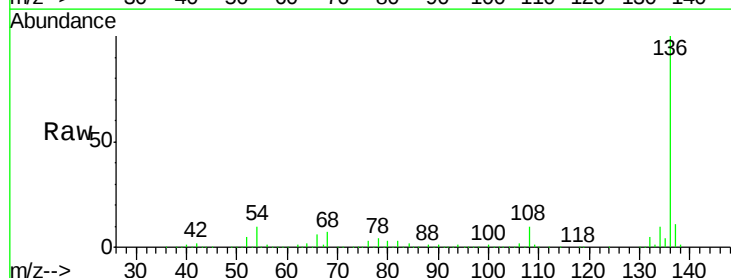
Instrument :
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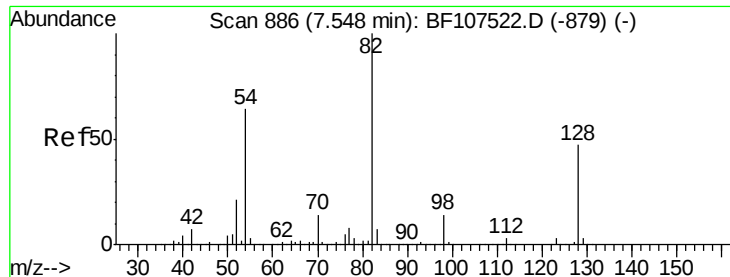
Tgt Ion: 70 Resp: 155910
Ion Ratio Lower Upper
70 100
42 47.0 47.5 71.3#
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF107539.D
Acq: 20 Jul 2018 22:18

Tgt Ion: 136 Resp: 1274053
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 10.3 6.6 9.8#
68 6.6 5.0 7.4

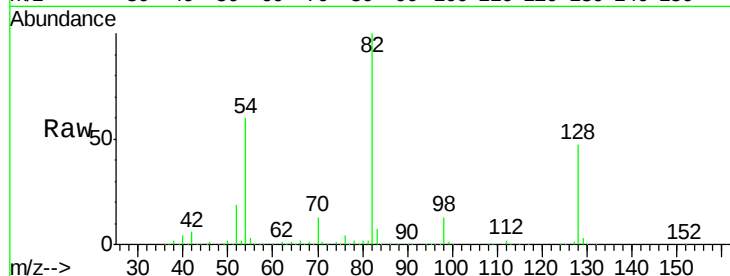




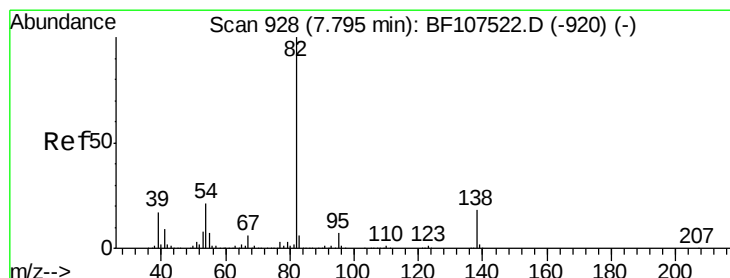
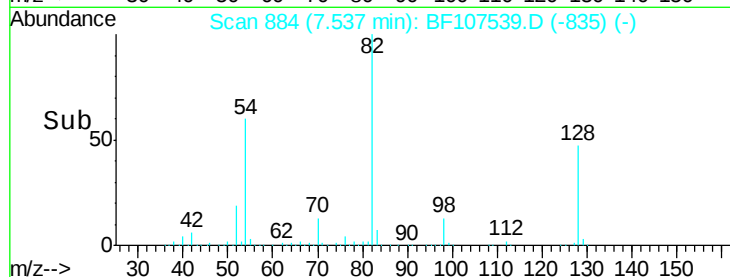
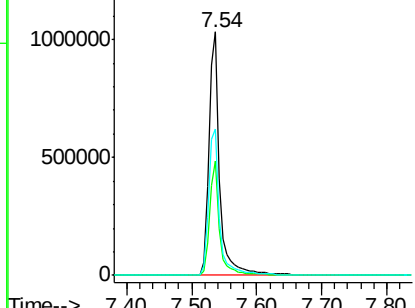
#23
 Nitrobenzene-d5
 Concen: 62.652 ng
 RT: 7.54 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF107539.D
 Acq: 20 Jul 2018 22:18

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-3

Tgt Ion: 82 Resp: 1182767
 Ion Ratio Lower Upper
 82 100
 128 47.0 36.1 54.1
 54 59.9 41.4 62.2

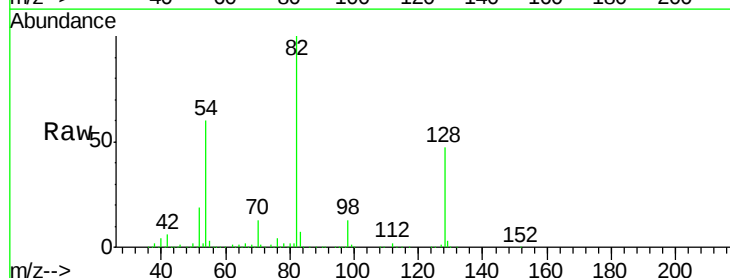


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

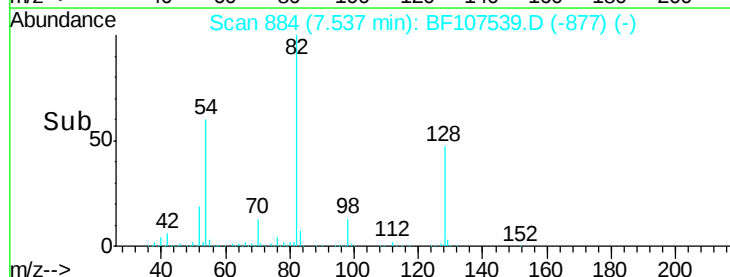
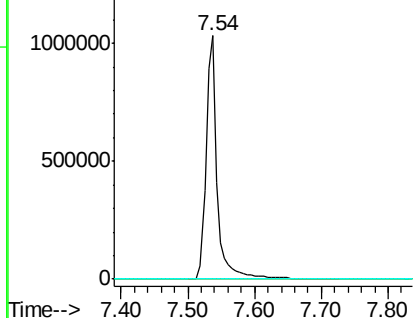


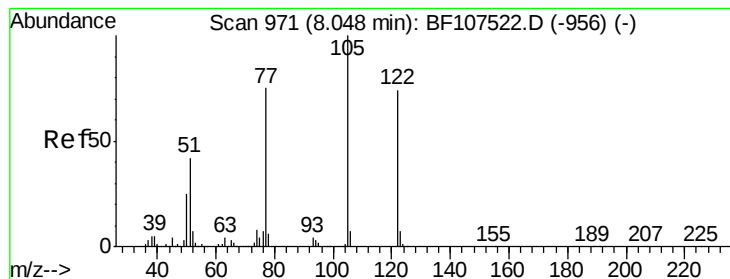
#25
 Isophorone
 Concen: 29.343 ng
 RT: 7.54 min Scan# 884
 Delta R.T. -0.26 min
 Lab File: BF107539.D
 Acq: 20 Jul 2018 22:18

Tgt Ion: 82 Resp: 1182760
 Ion Ratio Lower Upper
 82 100
 95 0.1 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





#32

Benzoic acid

Concen: 7.919 ng

RT: 8.05 min Scan# 972

Delta R.T. 0.01 min

Lab File: BF107539.D

Acq: 20 Jul 2018 22:18

Instrument :

BNA_F

ClientSampled :

LS-SOIL-3

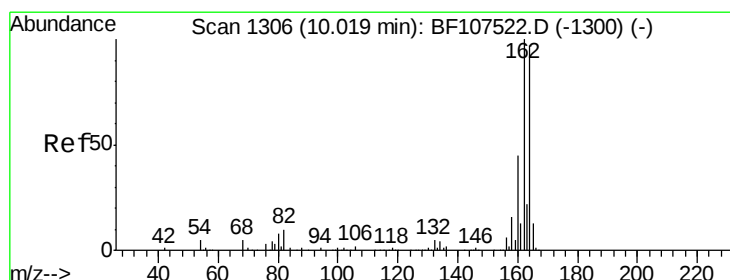
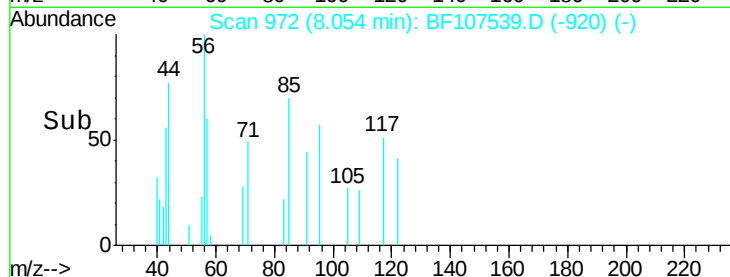
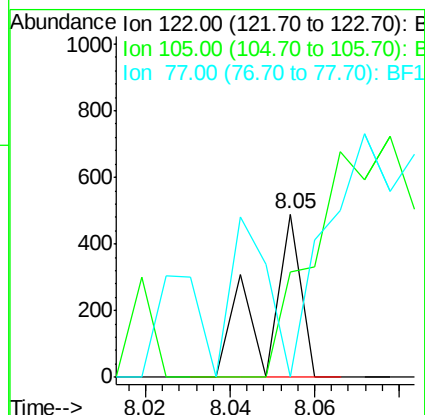
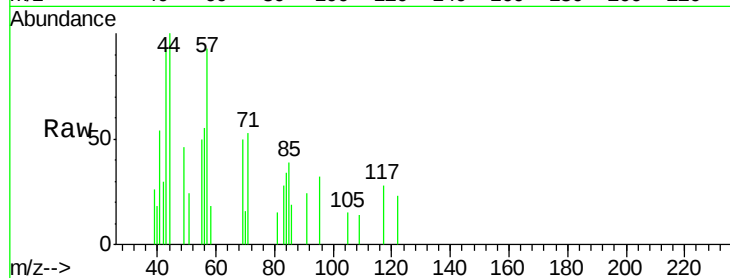
Tgt Ion:122 Resp: 281

Ion Ratio Lower Upper

122 100

105 65.0 101.1 141.1#

77 0.0 70.7 110.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF107539.D

Acq: 20 Jul 2018 22:18

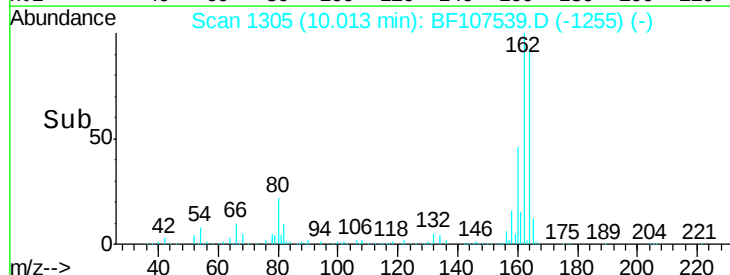
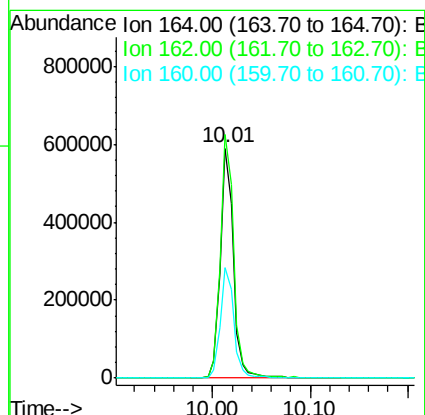
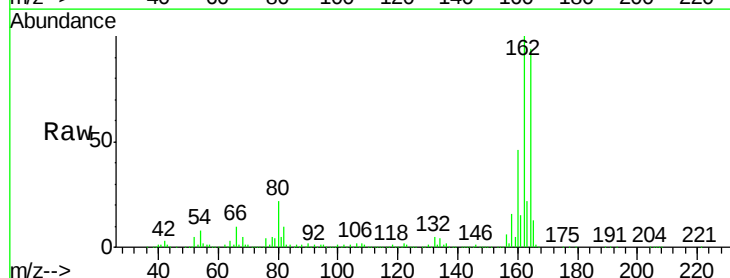
Tgt Ion:164 Resp: 552130

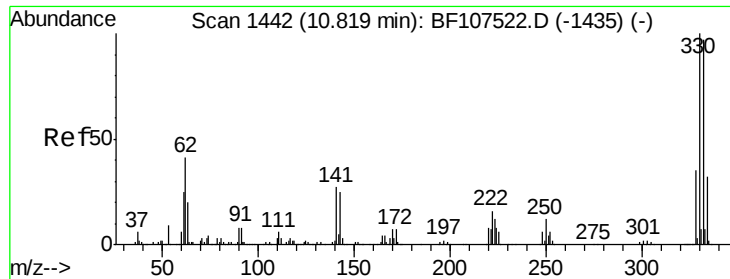
Ion Ratio Lower Upper

164 100

162 105.9 86.1 129.1

160 48.2 38.3 57.5

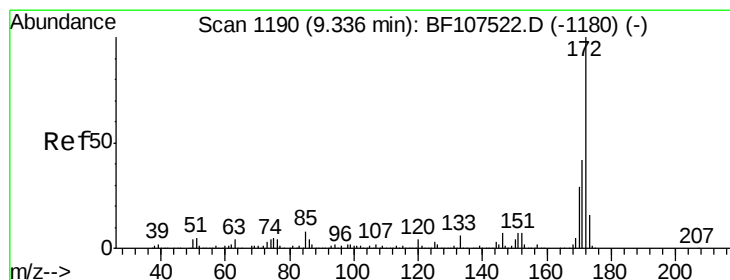
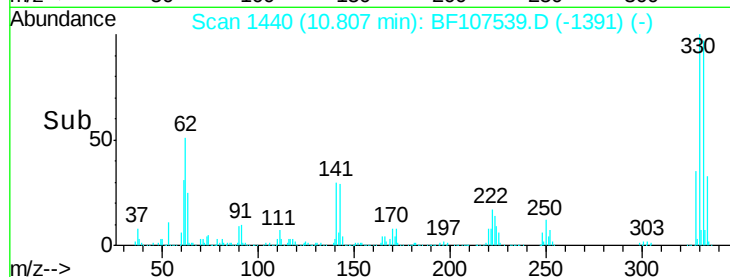
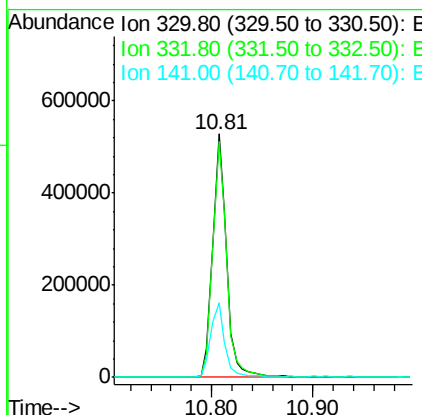
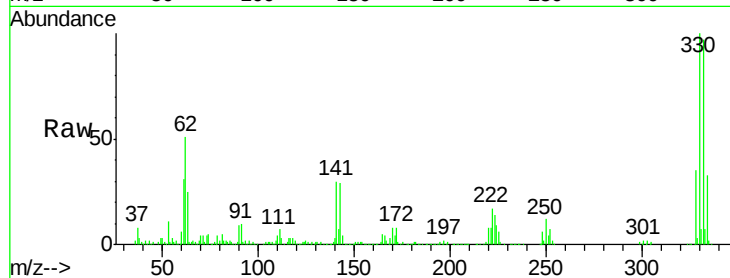




#41
 2,4,6-Tribromophenol
 Concen: 80.690 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF107539.D
 Acq: 20 Jul 2018 22:18

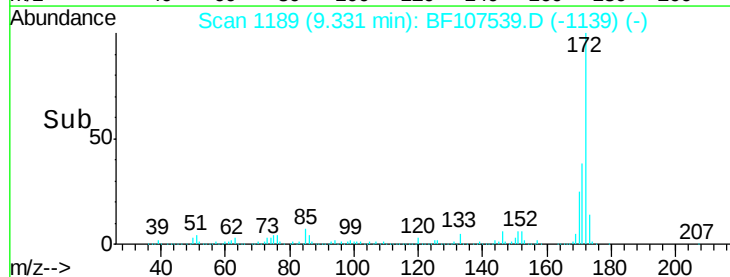
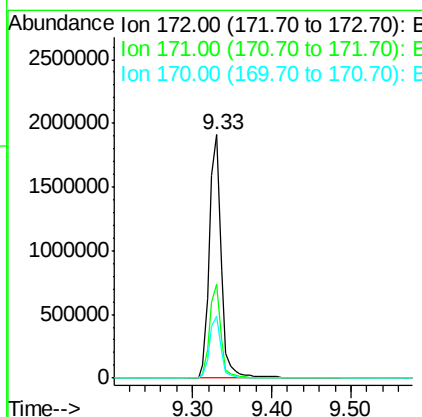
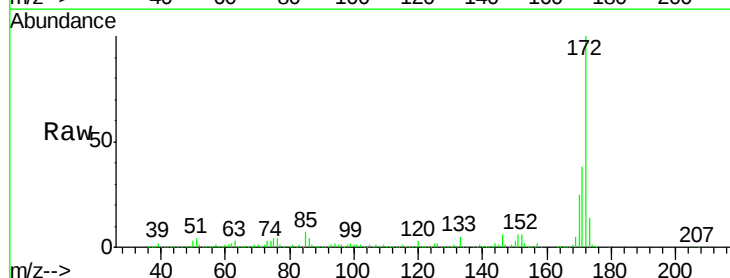
Instrument :
 BNA_F
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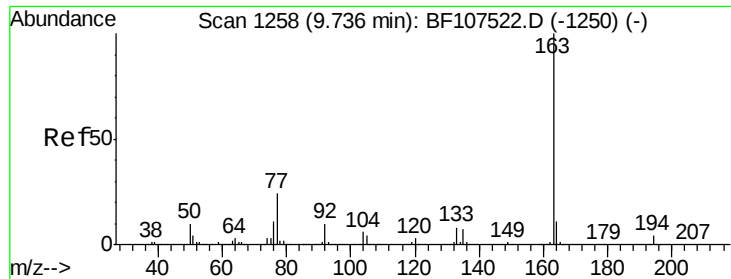
Tgt Ion:330 Resp: 506620
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.0 115.6
 141 30.2 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 55.619 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107539.D
 Acq: 20 Jul 2018 22:18

Tgt Ion:172 Resp: 1983046
 Ion Ratio Lower Upper
 172 100
 171 38.4 29.7 44.5
 170 25.5 19.6 29.4

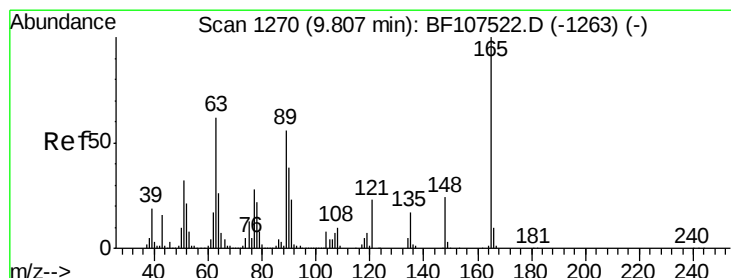
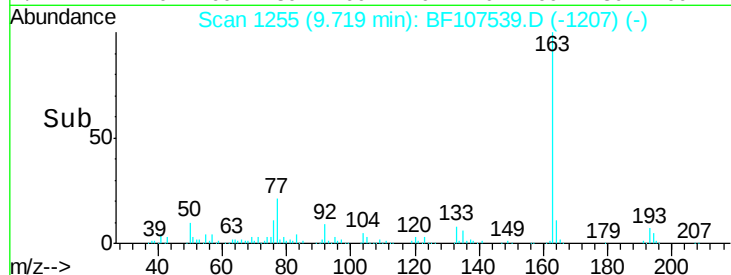
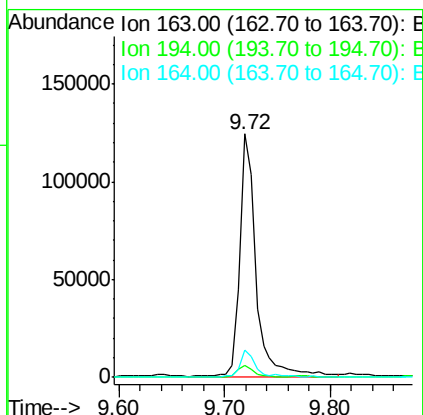
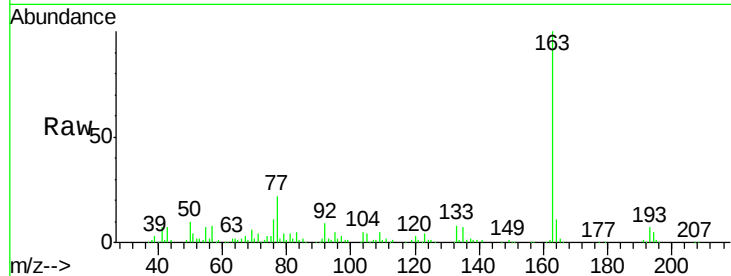




#49
Dimethylphthalate
Concen: 3.131 ng
RT: 9.72 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF107539.D
Acq: 20 Jul 2018 22:18

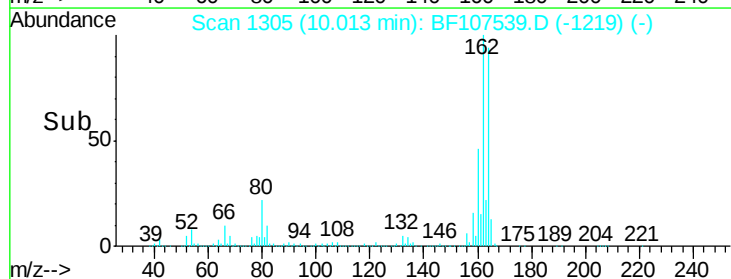
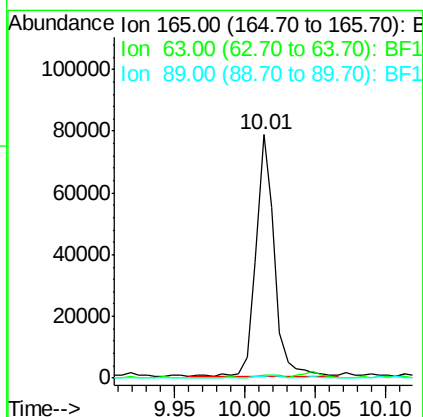
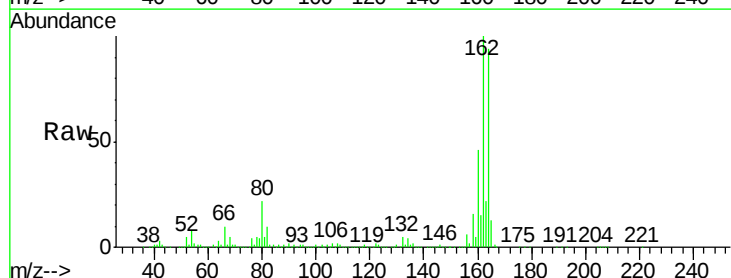
Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

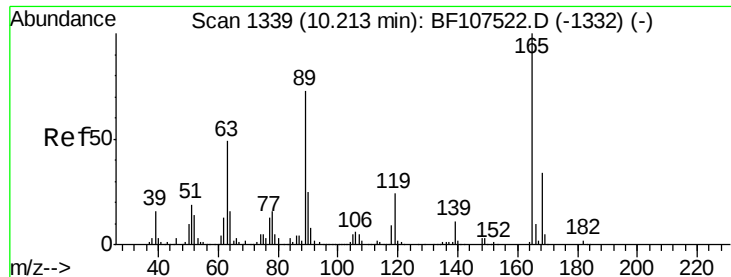
Tgt Ion:163 Resp: 130294
Ion Ratio Lower Upper
163 100
194 5.0 2.7 4.1#
164 11.2 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 8.725 ng
RT: 10.01 min Scan# 1305
Delta R.T. 0.21 min
Lab File: BF107539.D
Acq: 20 Jul 2018 22:18

Tgt Ion:165 Resp: 72087
Ion Ratio Lower Upper
165 100
63 1.1 44.7 67.1#
89 0.9 44.0 66.0#

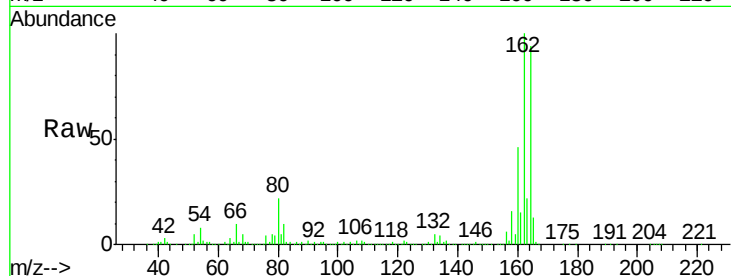




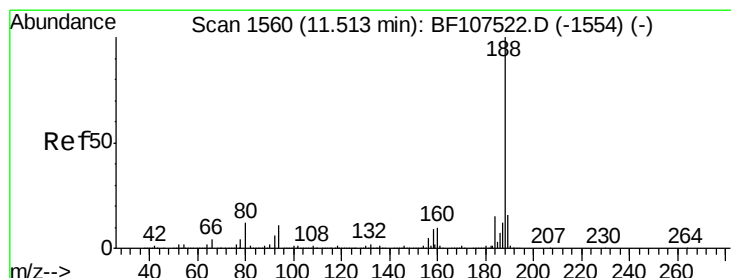
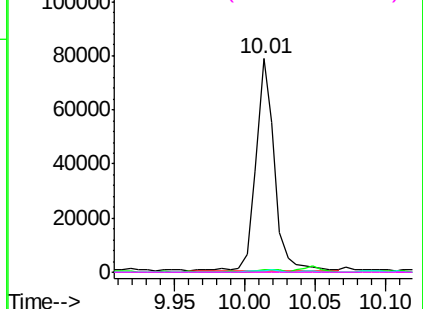
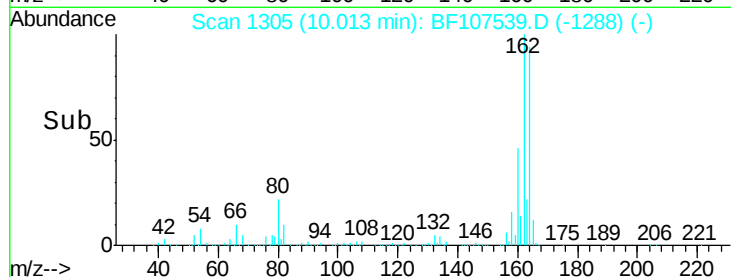
#56
2,4-Dinitrotoluene
Concen: 7.228 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.20 min
Lab File: BF107539.D
Acq: 20 Jul 2018 22:18

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

Tgt Ion:165 Resp: 72087
Ion Ratio Lower Upper
165 100
63 1.1 36.4 54.6#
89 0.9 57.8 86.6#
182 0.0 1.6 2.4#

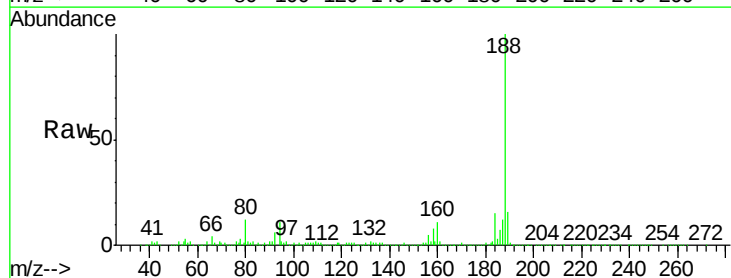


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

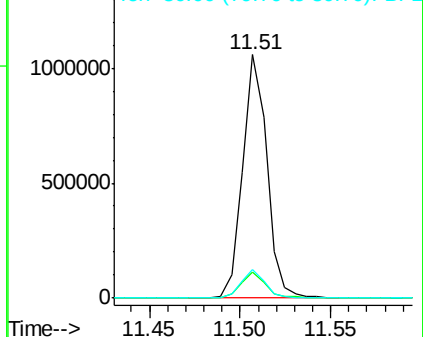
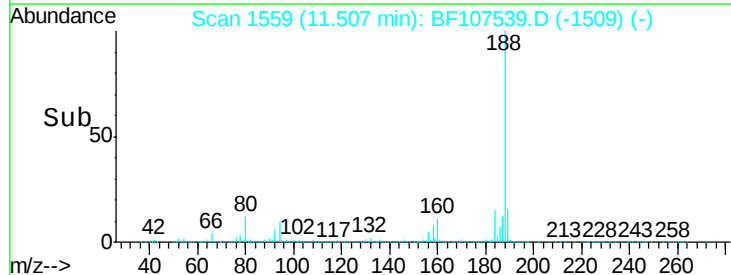


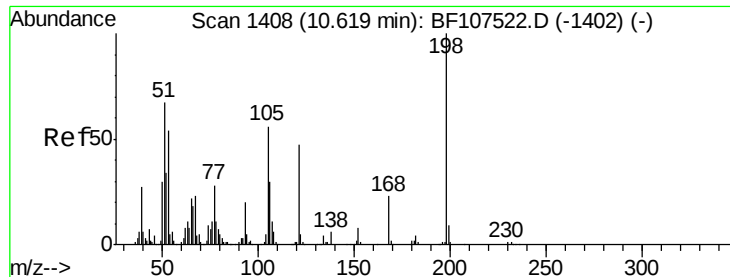
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF107539.D
Acq: 20 Jul 2018 22:18

Tgt Ion:188 Resp: 983820
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 11.8 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: 8.870 ng

RT: 10.81 min Scan# 1440

Delta R.T. 0.19 min

Lab File: BF107539.D

Acq: 20 Jul 2018 22:18

Instrument :

BNA_F

ClientSampled :

LS-SOIL-3

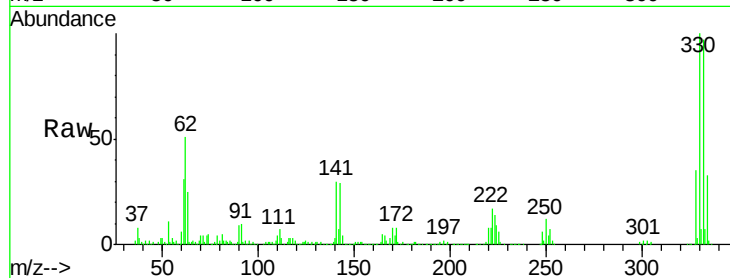
Tgt Ion:198 Resp: 1099

Ion Ratio Lower Upper

198 100

51 283.4 37.7 77.7#

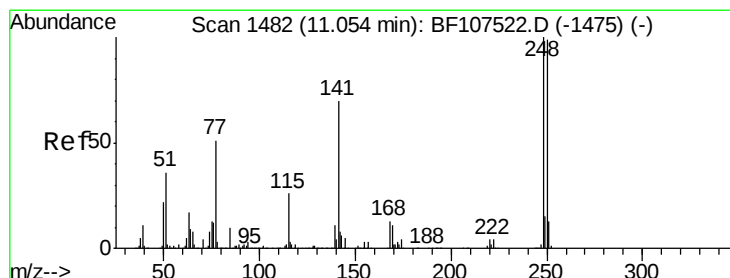
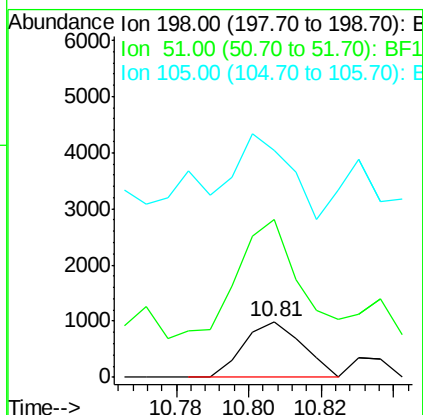
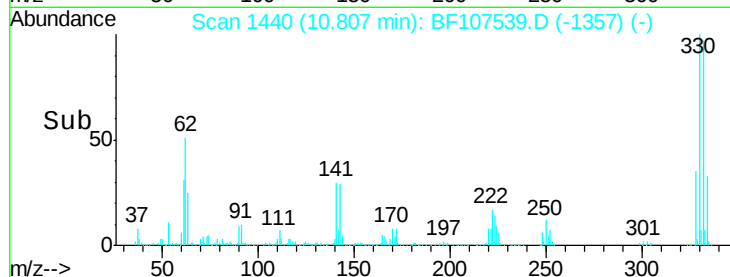
105 408.3 36.3 76.3#



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: 2.699 ng

RT: 10.81 min Scan# 1440

Delta R.T. -0.25 min

Lab File: BF107539.D

Acq: 20 Jul 2018 22:18

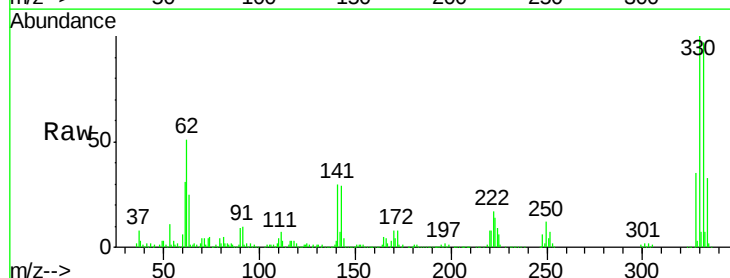
Tgt Ion:248 Resp: 31263

Ion Ratio Lower Upper

248 100

250 200.8 76.9 115.3#

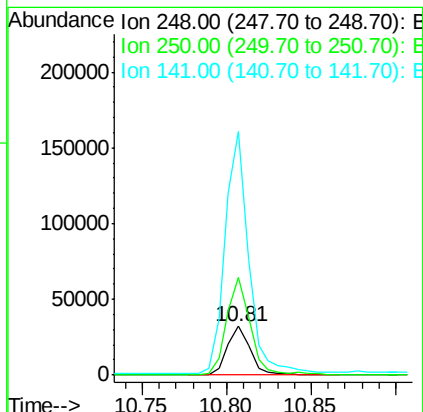
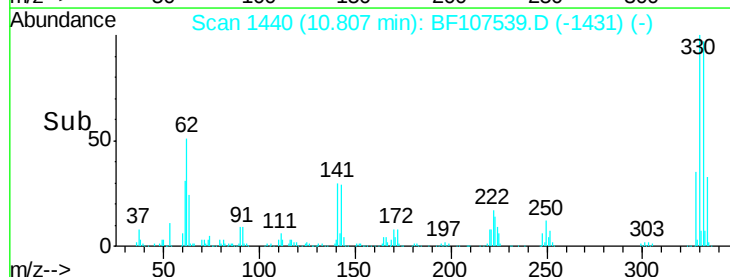
141 501.6 74.4 111.6#

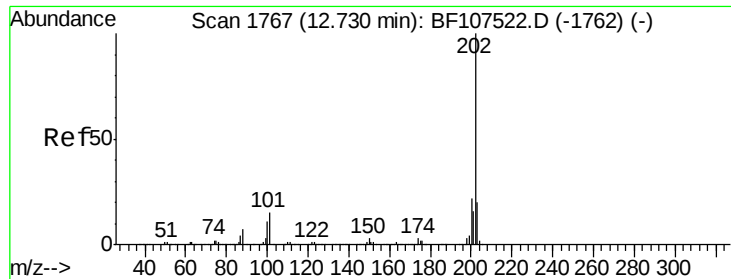


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 2.760 ng

RT: 12.72 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF107539.D

Acq: 20 Jul 2018 22:18

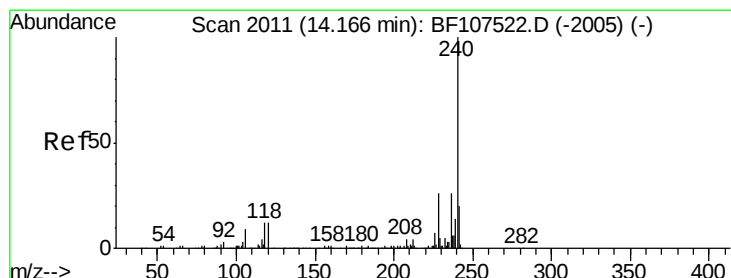
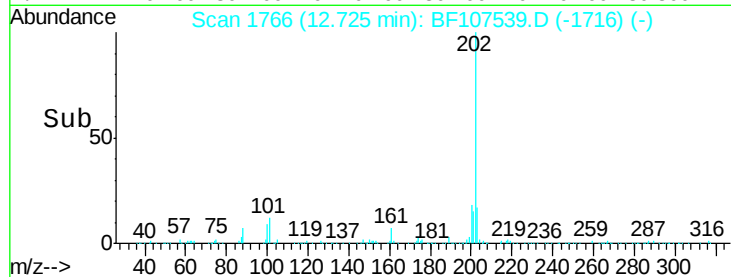
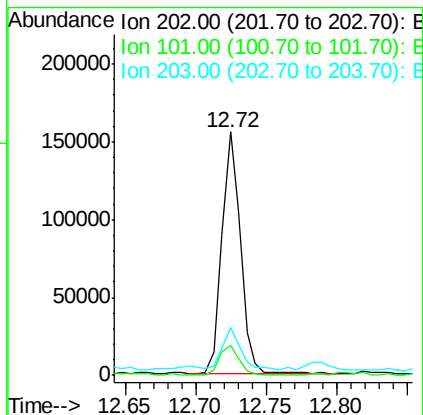
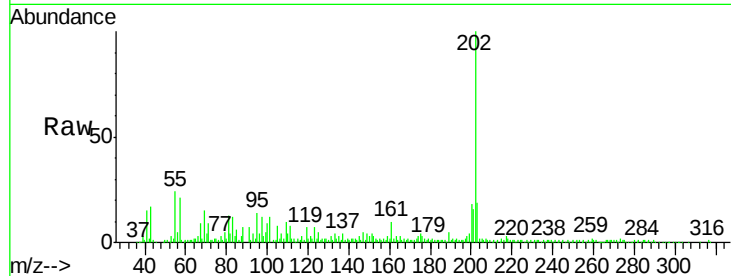
Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

Tgt Ion:	202	Resp:	142013
Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	34.1
203	19.4	0.0	38.1



#75

Chrysene-d12

Concen: 20.000 ng

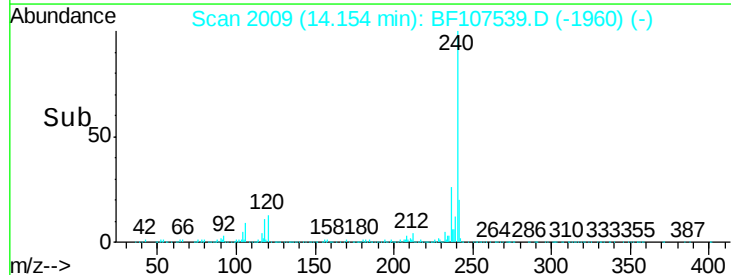
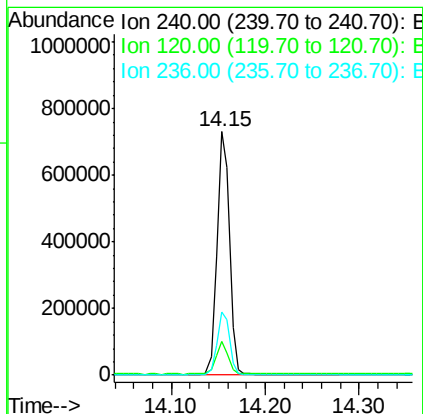
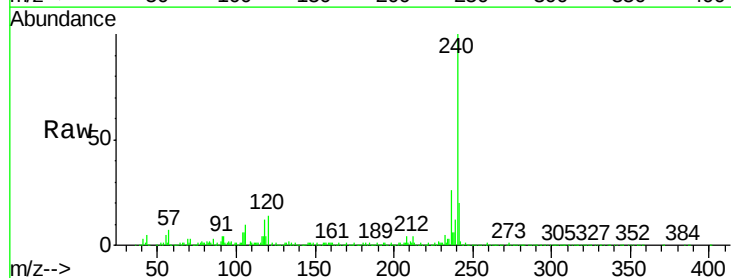
RT: 14.15 min Scan# 2009

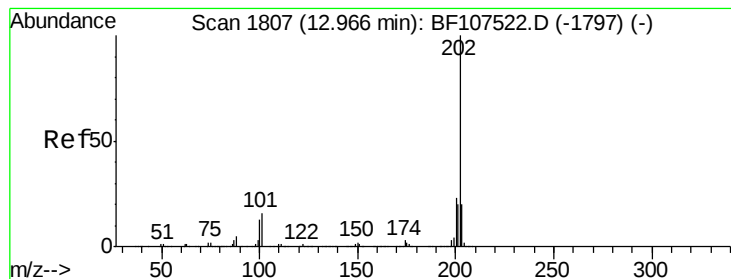
Delta R.T. -0.01 min

Lab File: BF107539.D

Acq: 20 Jul 2018 22:18

Tgt Ion:	240	Resp:	688821
Ion	Ratio	Lower	Upper
240	100		
120	13.7	9.5	14.3
236	26.0	20.7	31.1





#77

Pyrene

Concen: 2.919 ng

RT: 12.95 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF107539.D

Acq: 20 Jul 2018 22:18

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

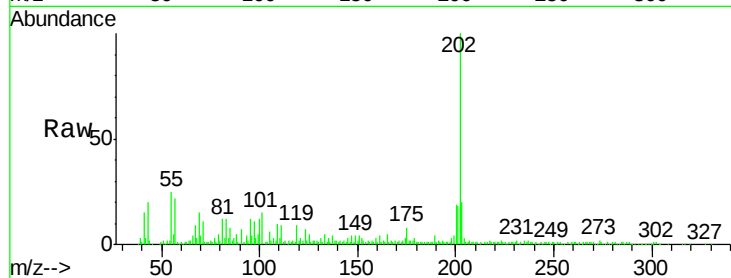
Tgt Ion: 202 Resp: 137529

Ion Ratio Lower Upper

202 100

200 19.4 17.4 26.2

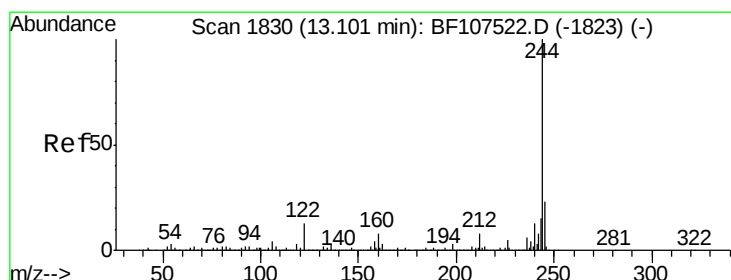
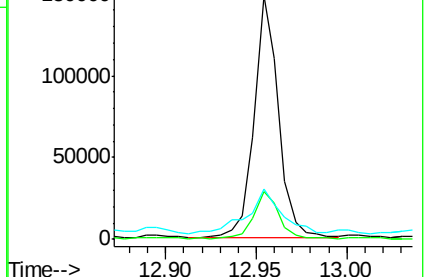
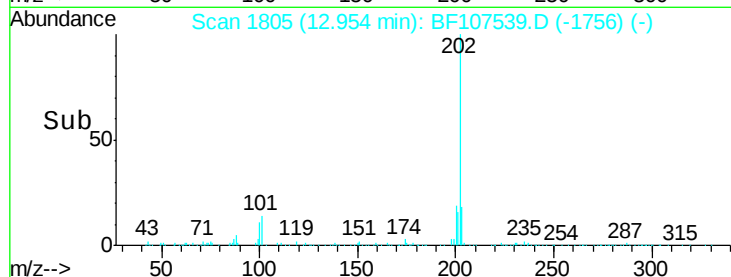
203 20.5 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 57.944 ng

RT: 13.10 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BF107539.D

Acq: 20 Jul 2018 22:18

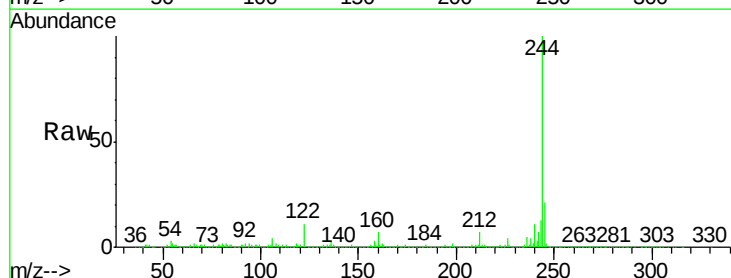
Tgt Ion: 244 Resp: 1559046

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

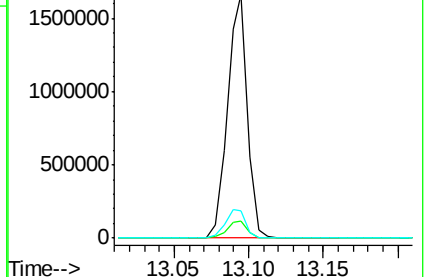
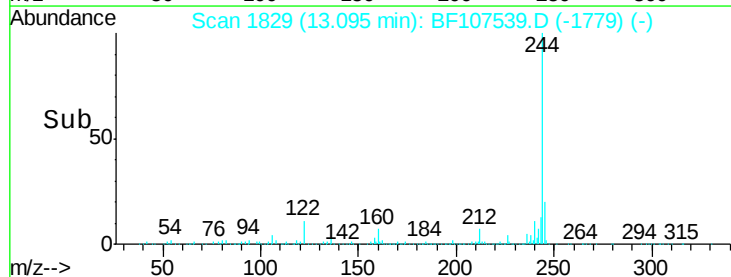
122 11.2 11.0 16.4

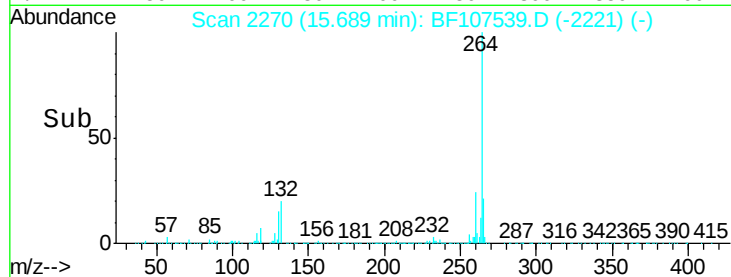
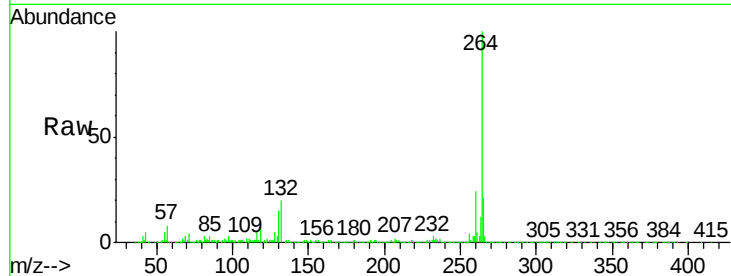
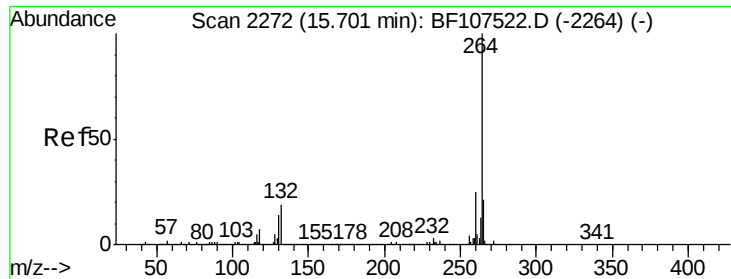


Abundance Ion 244.00 (243.70 to 244.70): E

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# 2270
Delta R.T. -0.01 min
Lab File: BF107539.D
Acq: 20 Jul 2018 22:18

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.3	17.5	26.3

