

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 02:30:34 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

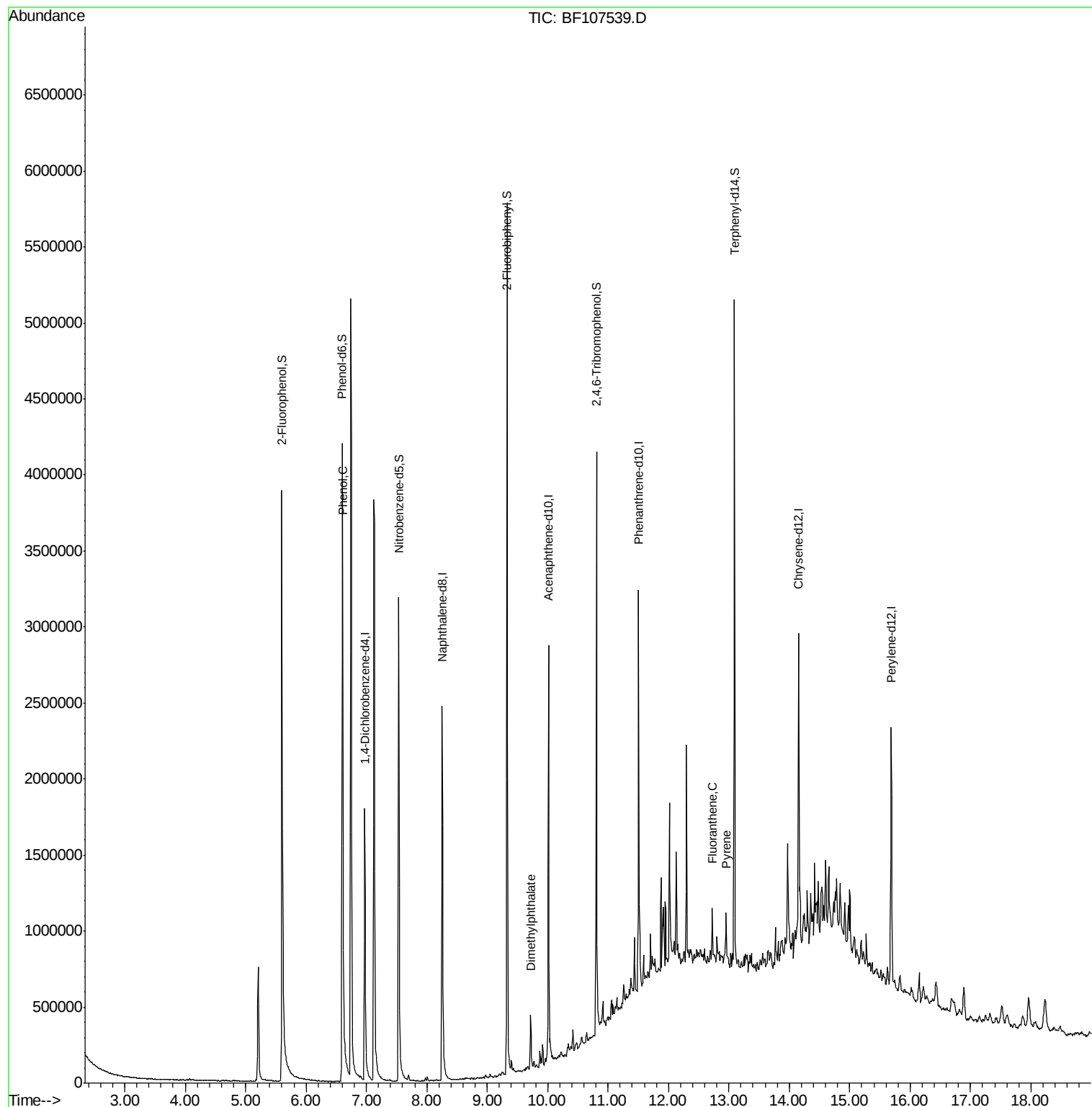
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	323352	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	1274053	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	552130	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	983820	20.00	ng	0.00
75) Chrysene-d12	14.15	240	688821	20.00	ng	-0.01
86) Perylene-d12	15.69	264	793706	20.00	ng	-0.01
System Monitoring Compounds						
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						
10) Phenol	6.61	94	83497	2.940	ng	Qvalue # 54
49) Dimethylphthalate	9.72	163	130294	3.131	ng	# 97
74) Fluoranthene	12.72	202	142013	2.760	ng	97
77) Pyrene	12.95	202	137529	2.919	ng	95

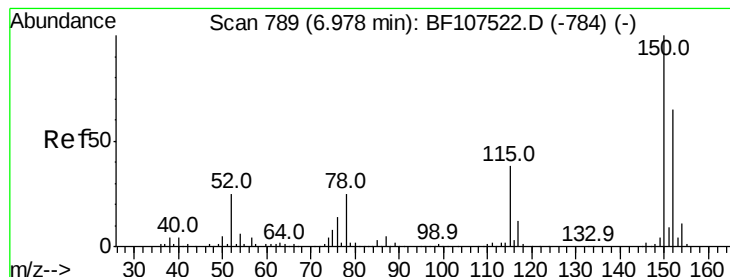
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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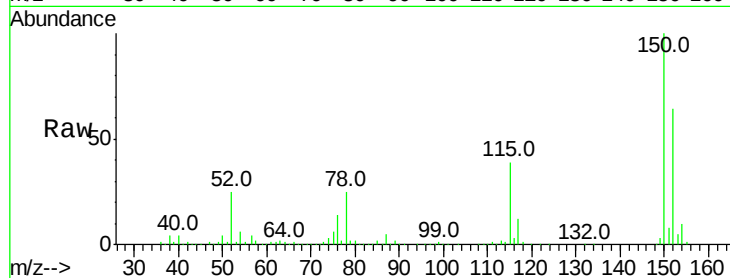


#1

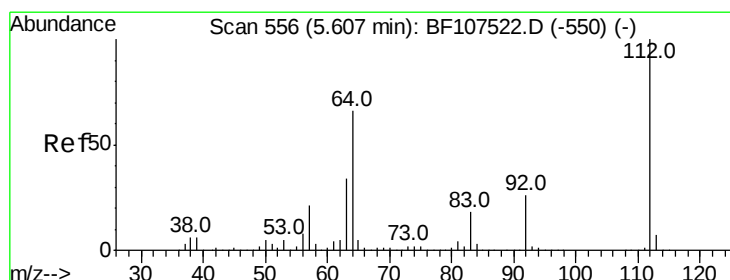
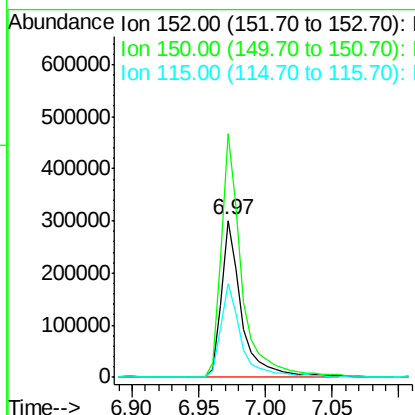
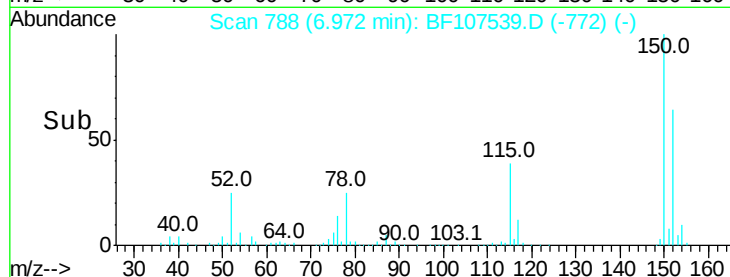
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF107539.D
 Acq: 20 Jul 2018 22:18

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-3

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



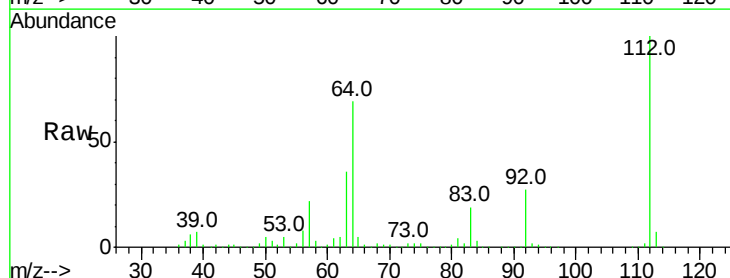
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



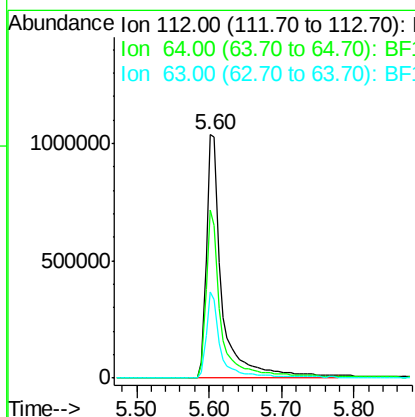
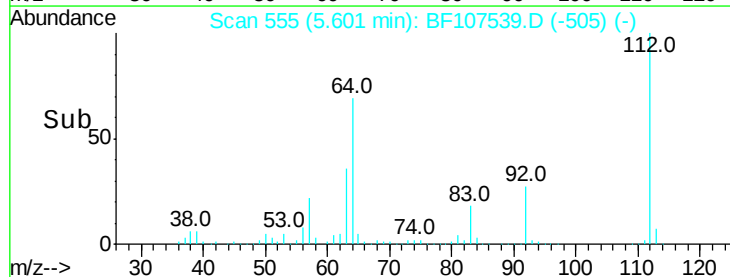
#5

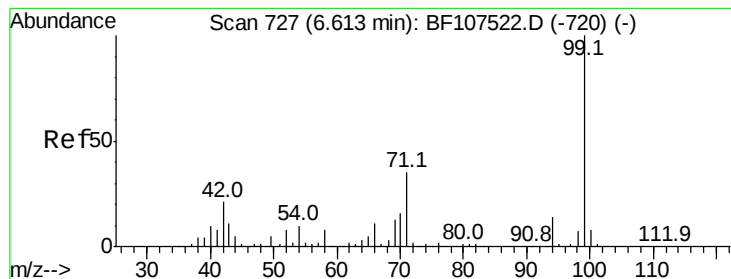
2-Fluorophenol
 Concen: 79.085 ng
 RT: 5.60 min Scan# 555
 Delta R.T. -0.01 min
 Lab File: BF107539.D
 Acq: 20 Jul 2018 22:18

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

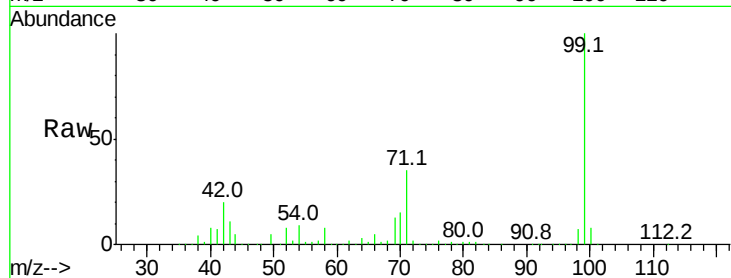
Tot Ion: 99 Resp: 1971823

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

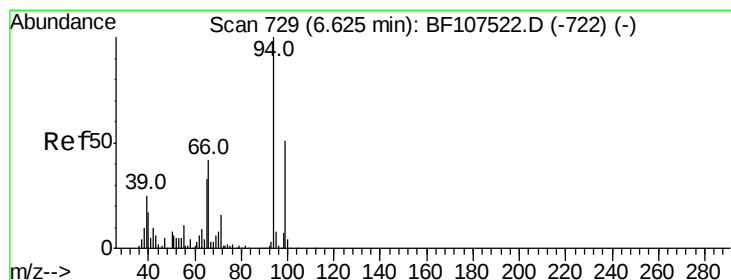
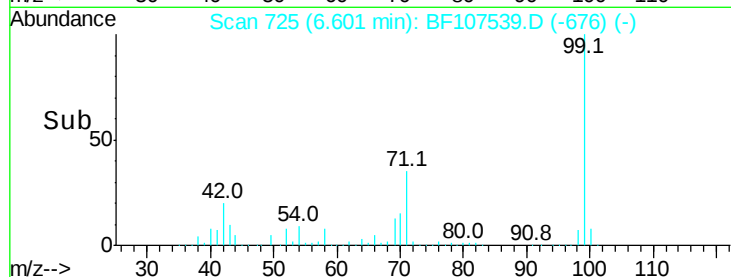
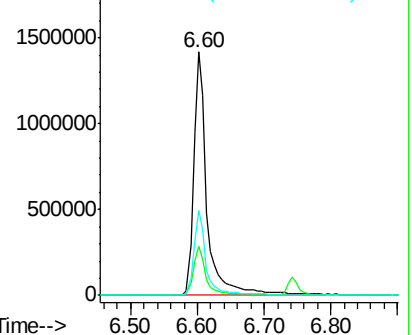
71 35.0 25.4 38.0



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

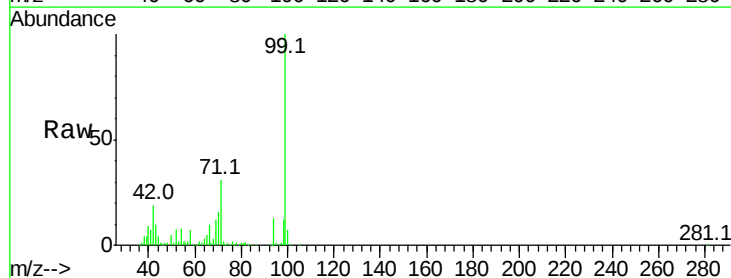
Tgt Ion: 94 Resp: 83497

Ion Ratio Lower Upper

94 100

65 36.9 7.9 47.9

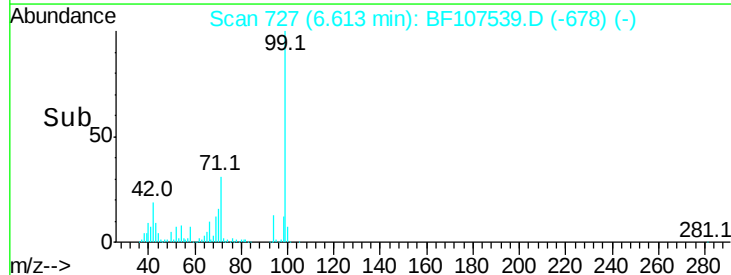
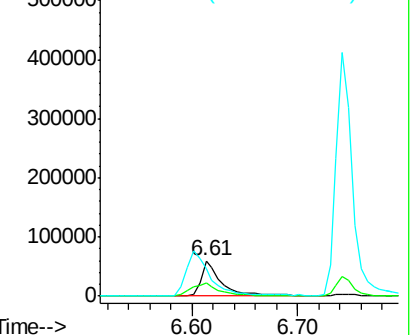
66 76.4 16.2 56.2#

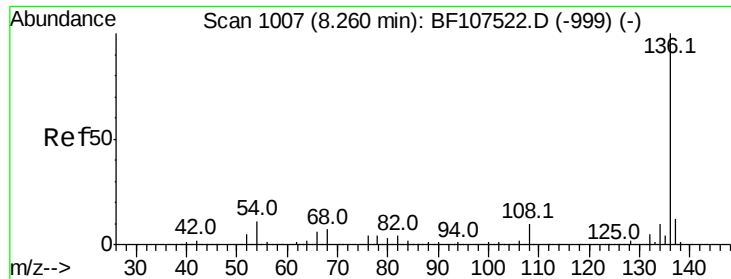


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

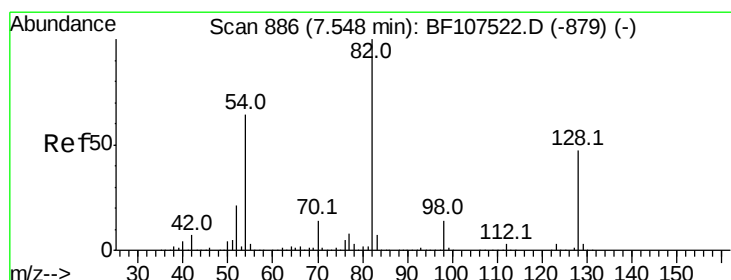
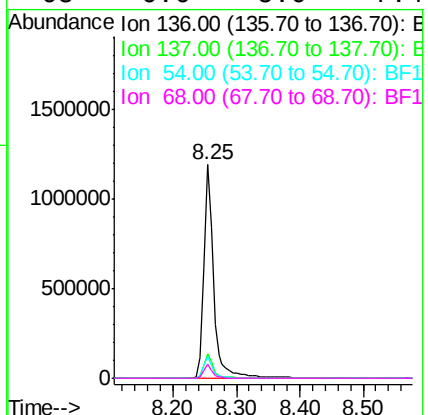
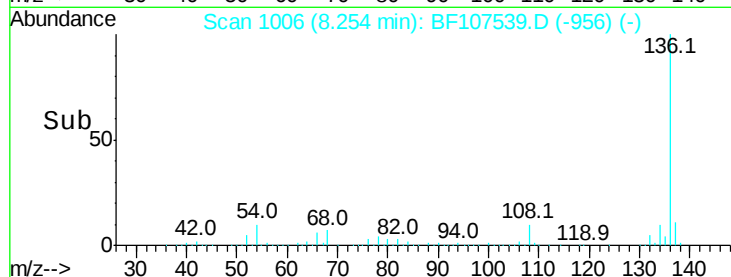
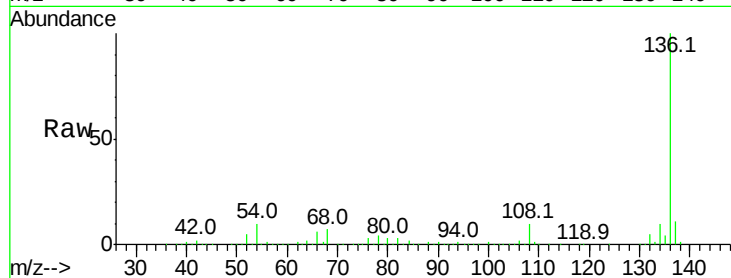




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF107539.D
Acq: 20 Jul 2018 22:18

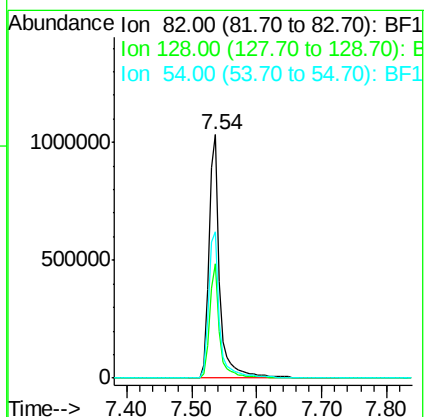
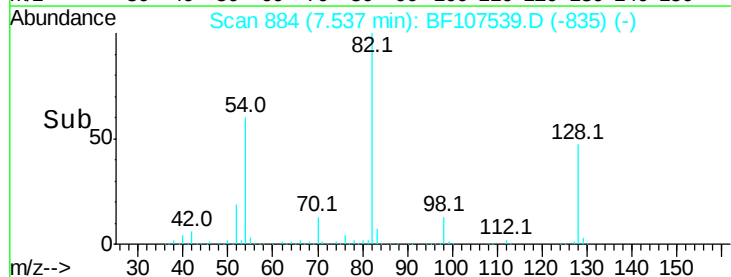
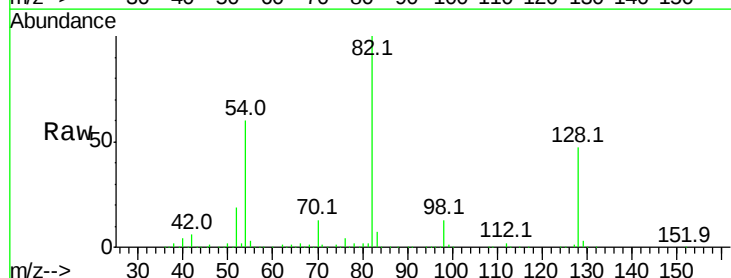
Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

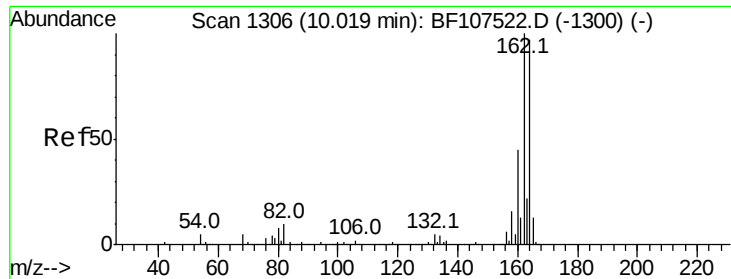
Tot Ion:136 Resp: 1274053
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 10.3 6.6 9.8#
68 6.6 5.0 7.4



#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

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





#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

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

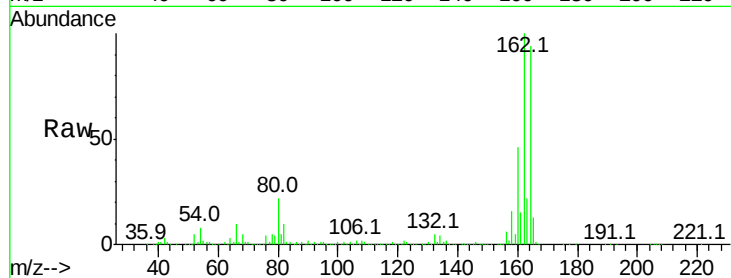
Tot Ion:164 Resp: 552130

Ion Ratio Lower Upper

164 100

162 105.9 86.1 129.1

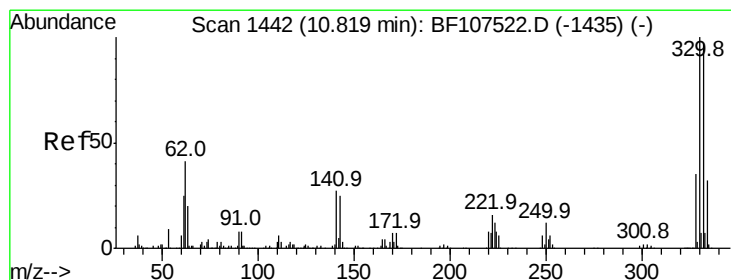
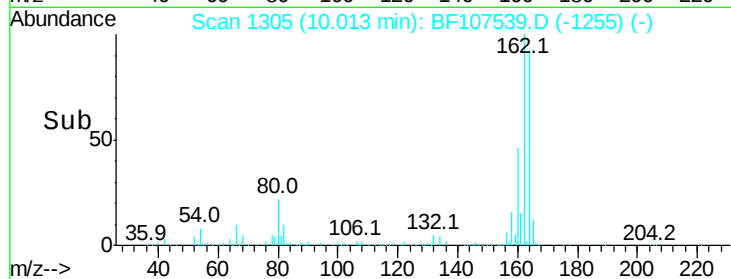
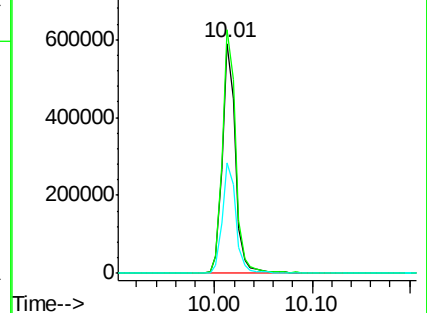
160 48.2 38.3 57.5



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: 80.690 ng

RT: 10.81 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF107539.D

Acq: 20 Jul 2018 22:18

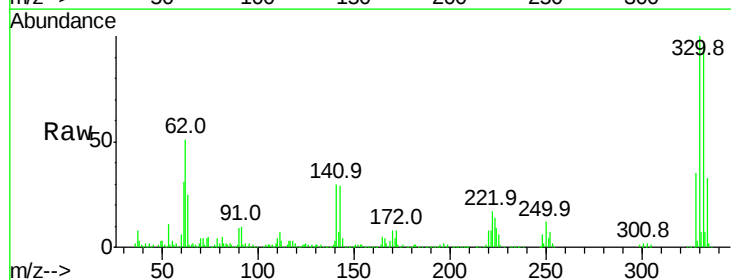
Tgt Ion:330 Resp: 506620

Ion Ratio Lower Upper

330 100

332 97.6 77.0 115.6

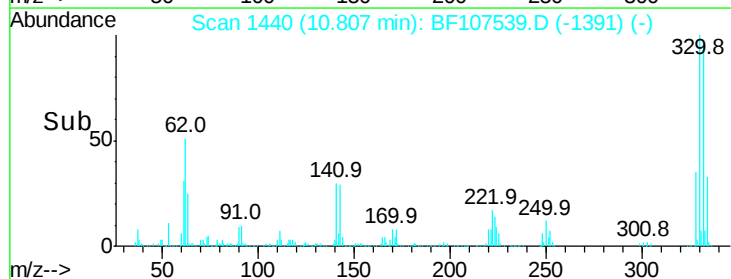
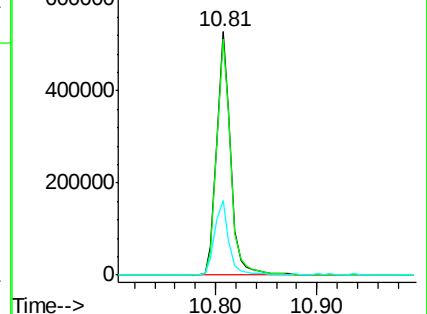
141 30.2 29.9 44.9

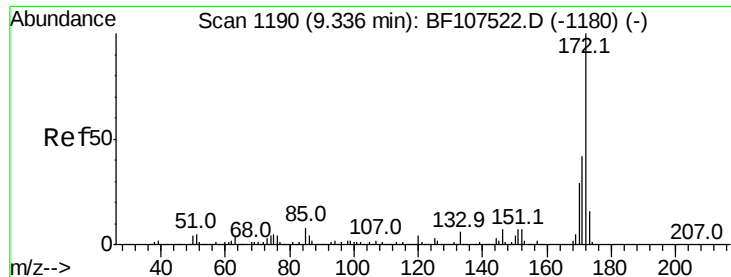


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 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

Instrument :

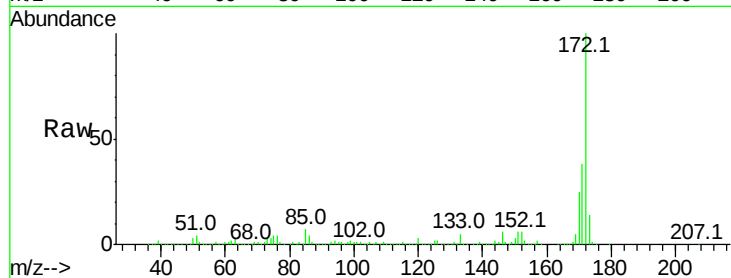
BNA_F

ClientSampleId :

LS-SOIL-3

Tot Ion:172 Resp: 1983046

Ion	Ratio	Lower	Upper
172	100		
171	38.4	29.7	44.5
170	25.5	19.6	29.4

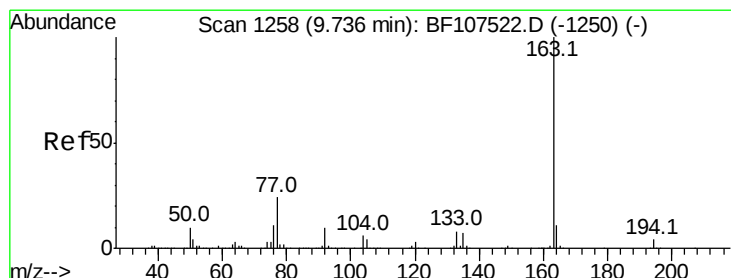
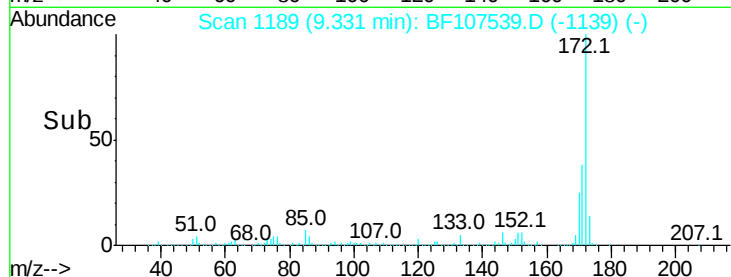
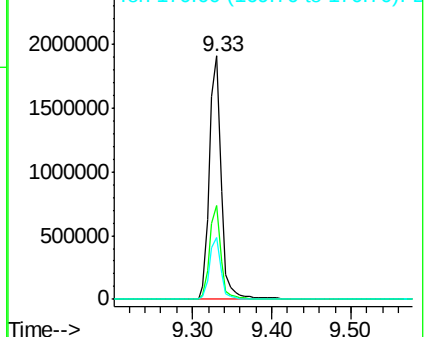


Abundance

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: 3.131 ng

RT: 9.72 min Scan# 1255

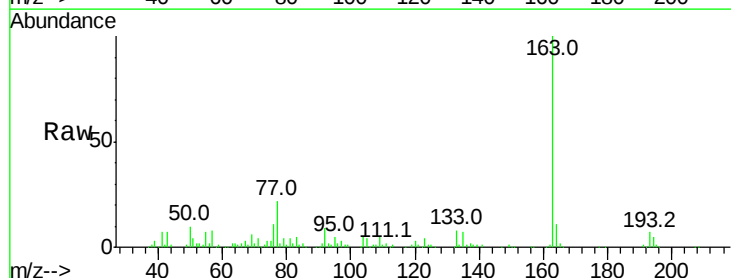
Delta R.T. -0.02 min

Lab File: BF107539.D

Acq: 20 Jul 2018 22:18

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

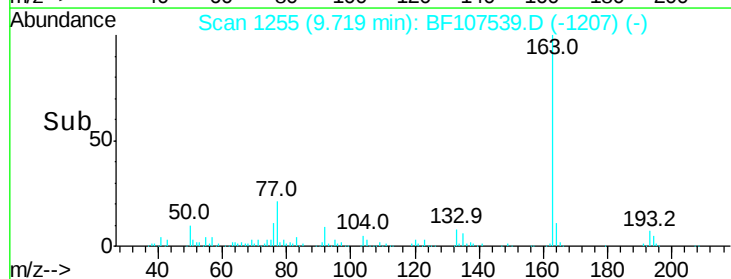
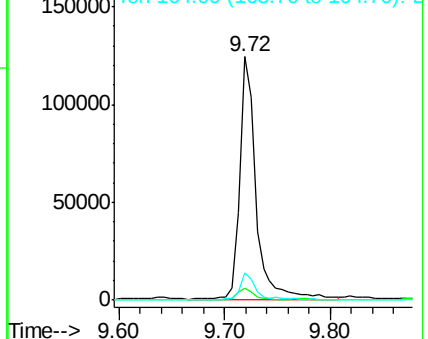


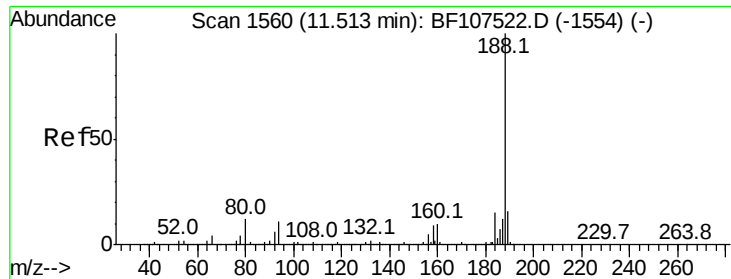
Abundance

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





#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

Instrument :

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ClientSampleId :

LS-SOIL-3

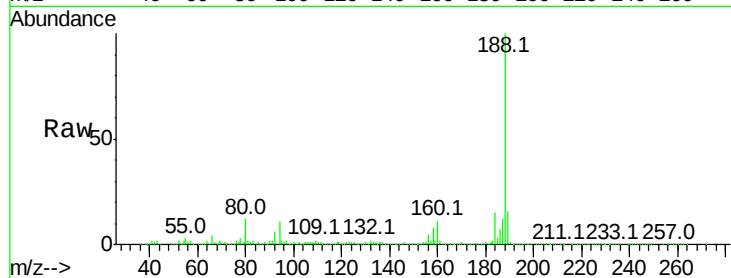
Tot Ion:188 Resp: 983820

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

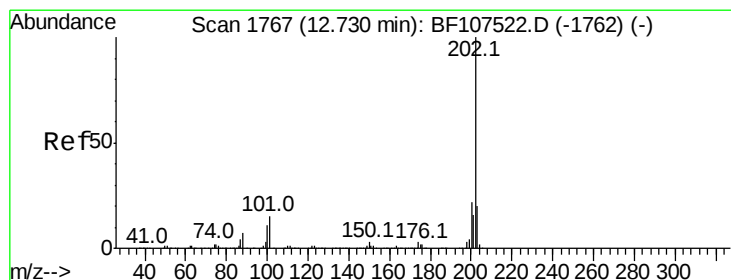
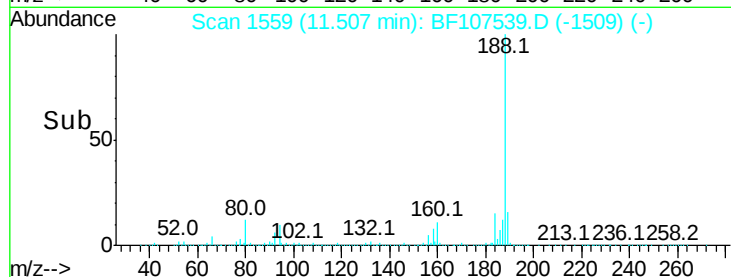
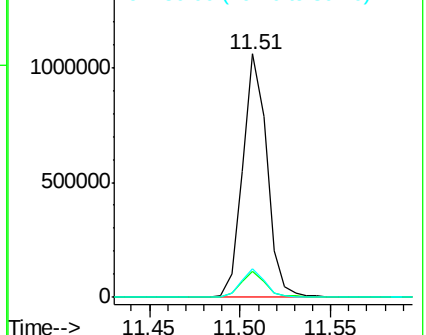
80 11.8 9.2 13.8



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



#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

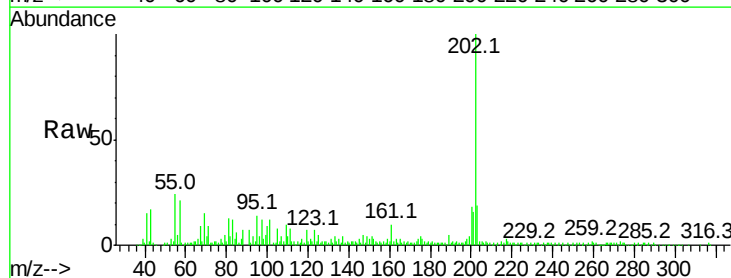
Tgt Ion:202 Resp: 142013

Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.1

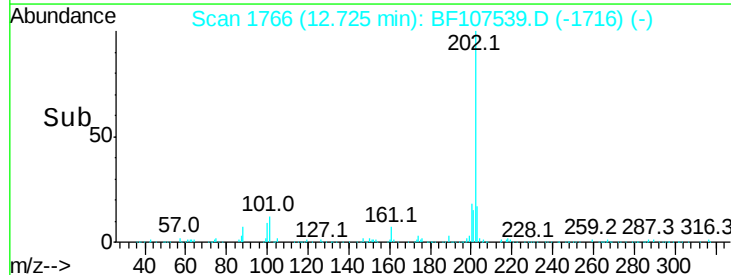
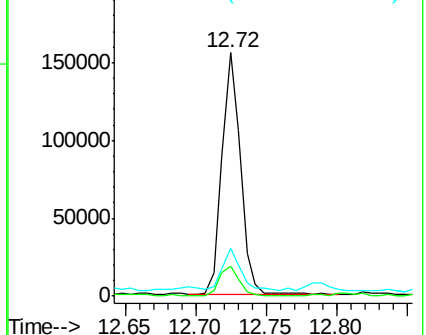
203 19.4 0.0 38.1

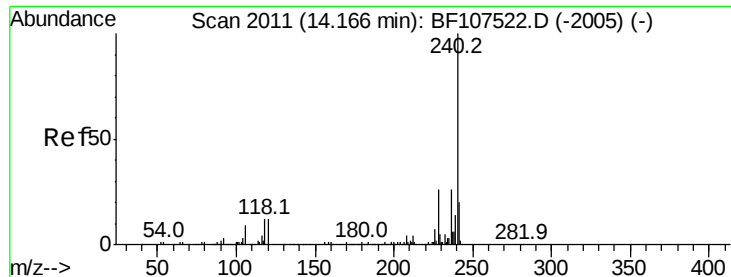


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107539.D

Acq: 20 Jul 2018 22:18

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

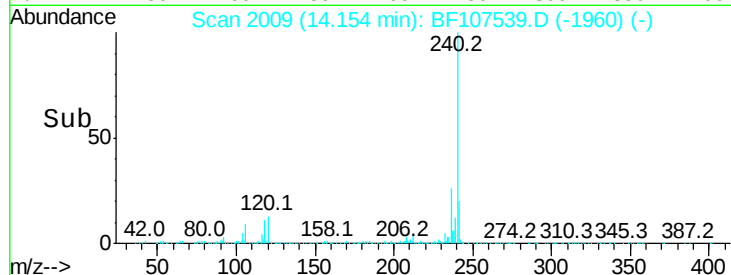
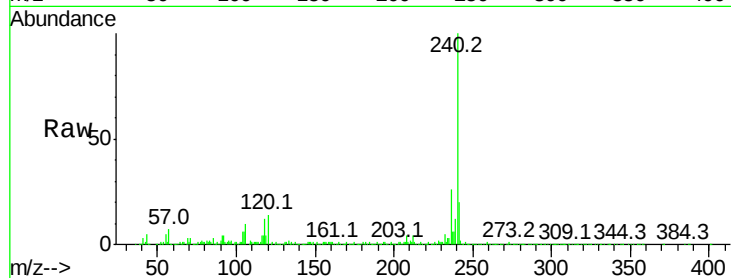
Tot Ion:240 Resp: 688821

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

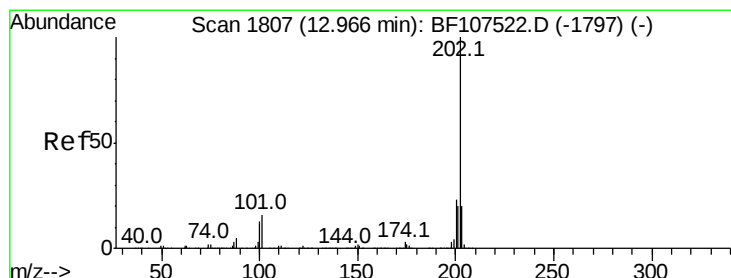
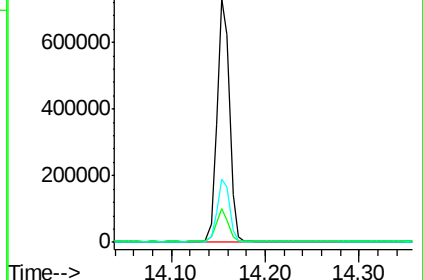
236 26.0 20.7 31.1



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



#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

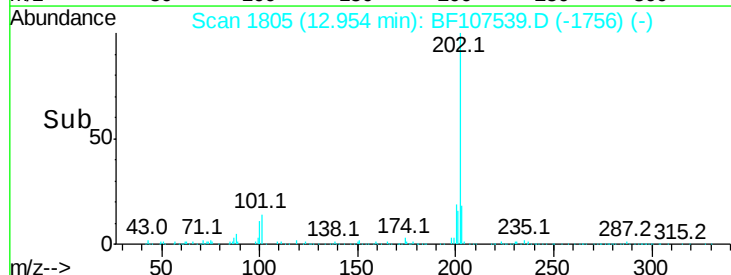
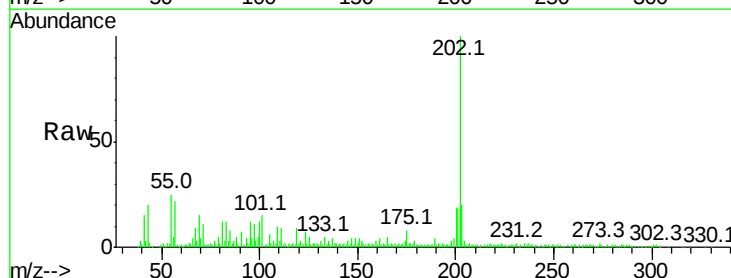
Tgt Ion:202 Resp: 137529

Ion Ratio Lower Upper

202 100

200 19.4 17.4 26.2

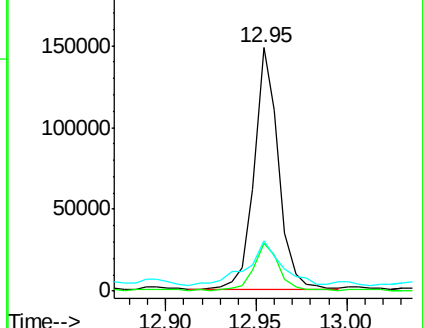
203 20.5 14.3 21.5

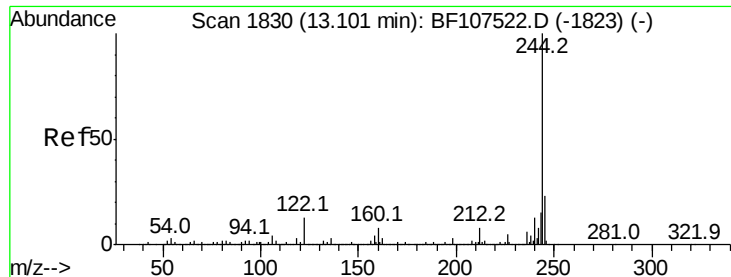


Abundance Ion 202.00 (201.70 to 202.70): E

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

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3

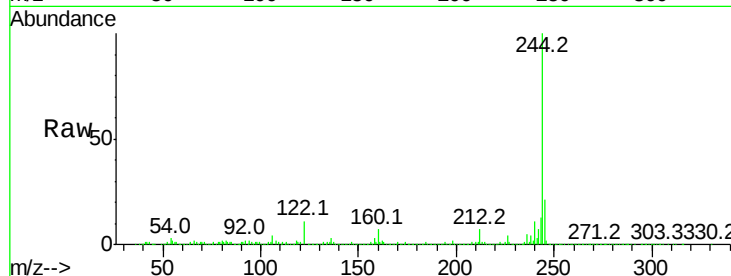
Tot Ion:244 Resp: 1559046

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.2	11.0	16.4

244 100

212 6.8 5.4 8.0

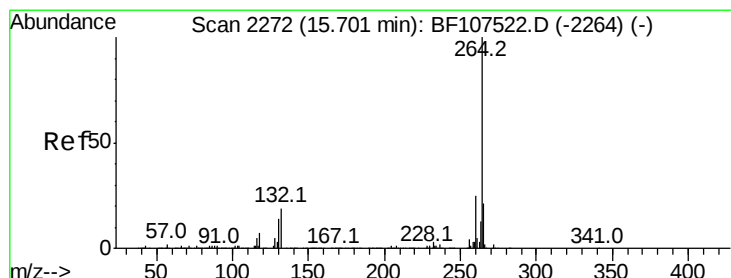
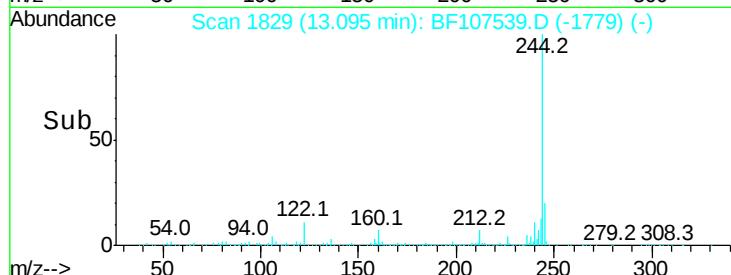
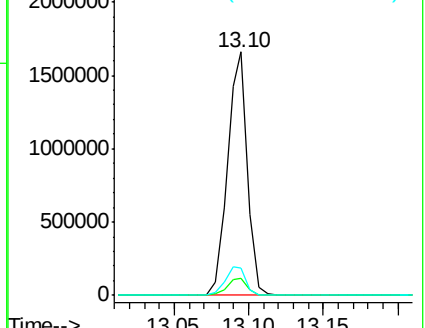
122 11.2 11.0 16.4



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

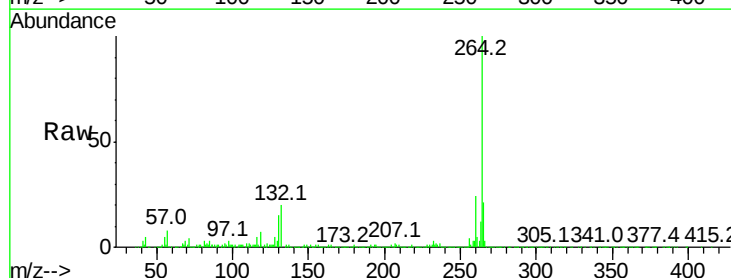
Tgt Ion:264 Resp: 793706

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

264 100

260 23.7 19.2 28.8

265 21.3 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

