

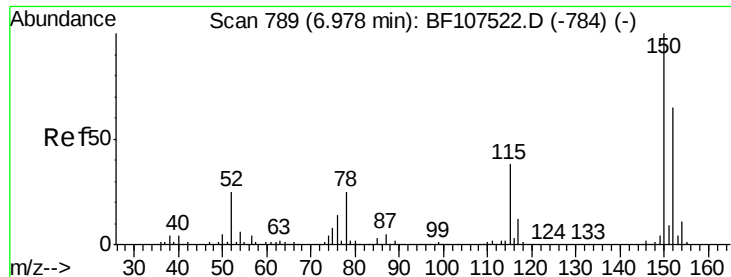
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
 Data File : BF107704.D
 Acq On : 26 Jul 2018 17:17
 Operator : JU/SJ
 Sample : J4152-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LA-SOIL-2

Quant Time: Jul 26 17:42:22 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	166449	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	680428	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	316537	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	635258	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	385686	20.00	ng	-0.02
86) Perylene-d12	15.68	264	436490	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1134856	109.62	ng	0.00
7) Phenol-d6	6.60	99	1555911	125.17	ng	-0.01
23) Nitrobenzene-d5	7.52	82	983205	97.52	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	493285	137.04	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	1807078	103.77	ng	-0.02
78) Terphenyl-d14	13.08	244	1588945	105.47	ng	-0.02
Target Compounds						
10) Phenol	6.61	94	31752	2.172	ng	# 1
19) n-Nitroso-di-n-propylamine	7.52	70	126930	15.806	ng	# 80
25) Isophorone	7.52	82	987327	45.864	ng	# 64
49) Dimethylphthalate	9.71	163	128629	5.392	ng	# 99
64) 4,6-Dinitro-2-methylphenol	10.80	198	931	8.929	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	30336	4.057	ng	# 1
73) Di-n-butylphthalate	12.04	149	6932	Below Cal		# 78
74) Fluoranthene	12.71	202	74624	2.246	ng	# 97
77) Pyrene	12.95	202	121513	4.606	ng	# 96
80) Benzo(a)anthracene	14.14	228	49484	2.189	ng	# 97
81) 3,3'-Dichlorobenzidine	14.08	252	122	Below Cal		# 27
82) Chrysene	14.17	228	47917	2.207	ng	# 98
87) Benzo(b)fluoranthene	15.22	252	55132	2.308	ng	# 95
88) Benzo(k)fluoranthene	15.22	252	55132	2.356	ng	# 95

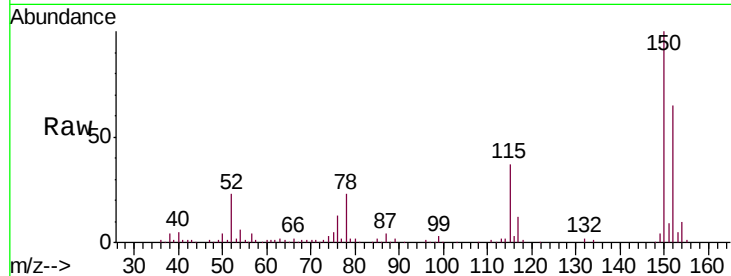
(#) = qualifier out of range (m) = manual integration (+) = signals summed



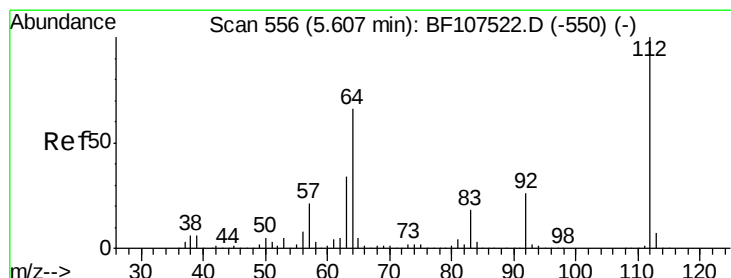
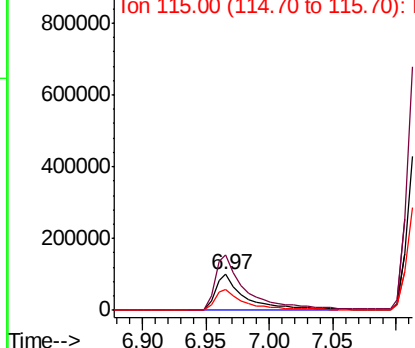
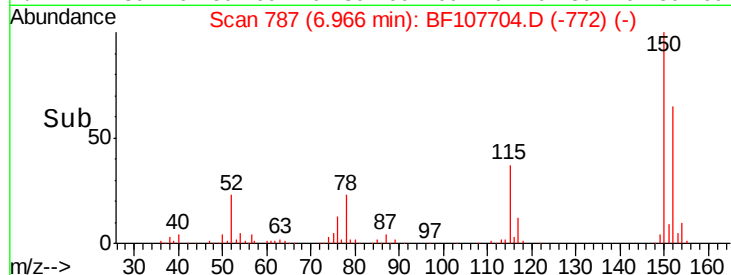
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 787
 Delta R.T. -0.01 min
 Lab File: BF107704.D
 Acq: 26 Jul 2018 17:17

Instrument :
 BNA_F
 ClientSampleId :
 LA-SOIL-2

Tgt Ion:152 Resp: 166449
 Ion Ratio Lower Upper
 152 100
 150 154.7 124.6 186.8
 115 57.3 50.1 75.1

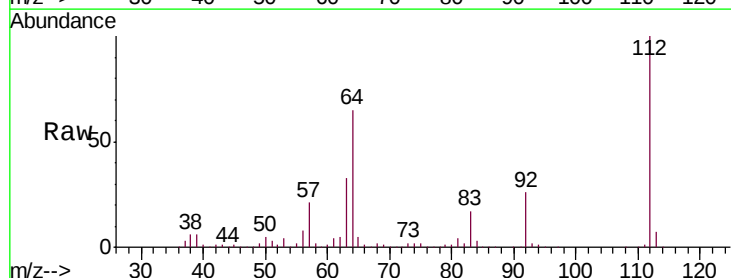


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

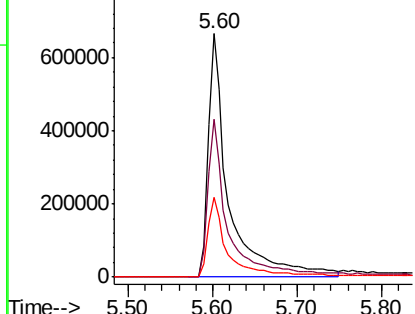
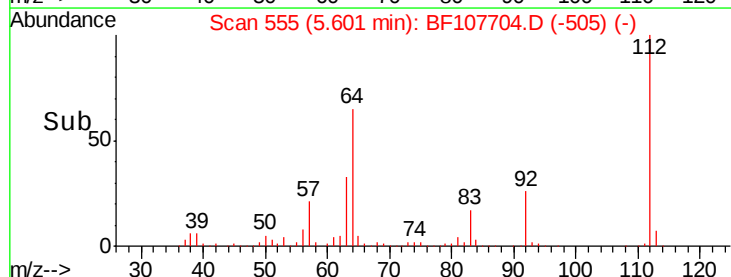


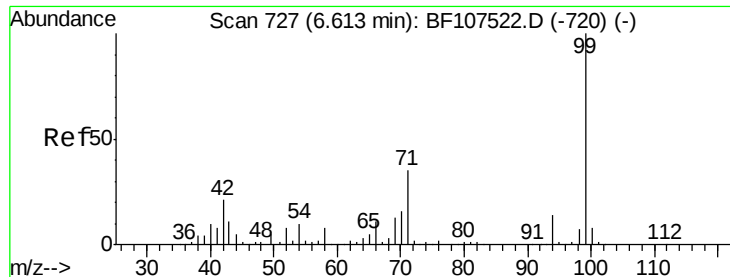
#5
 2-Fluorophenol
 Concen: 109.621 ng
 RT: 5.60 min Scan# 555
 Delta R.T. -0.01 min
 Lab File: BF107704.D
 Acq: 26 Jul 2018 17:17

Tgt Ion:112 Resp: 1134856
 Ion Ratio Lower Upper
 112 100
 64 64.9 47.9 71.9
 63 32.9 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: 125.167 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107704.D

Acq: 26 Jul 2018 17:17

Instrument :

BNA_F

ClientSampleId :

LA-SOIL-2

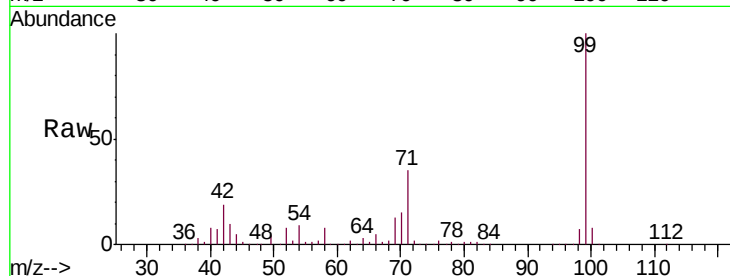
Tgt Ion: 99 Resp: 1555911

Ion Ratio Lower Upper

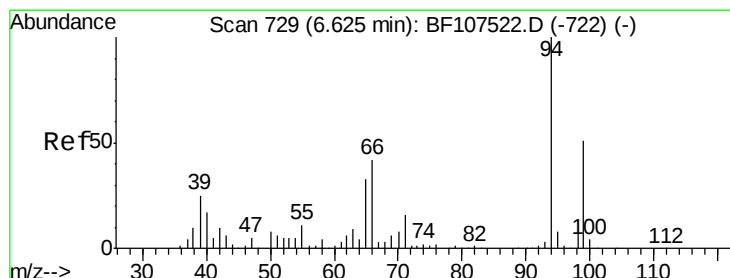
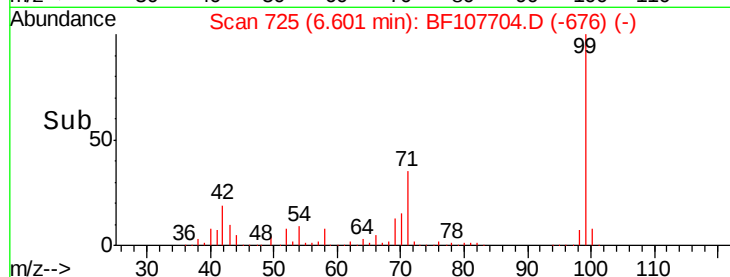
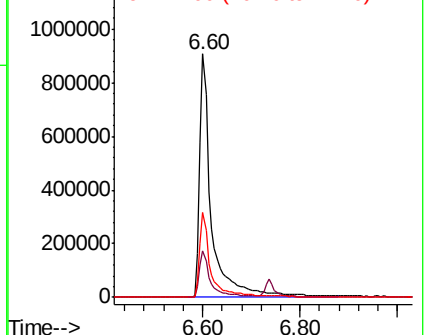
99 100

42 19.2 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: 2.172 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF107704.D

Acq: 26 Jul 2018 17:17

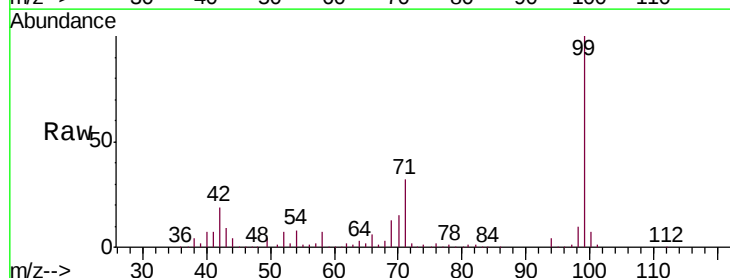
Tgt Ion: 94 Resp: 31752

Ion Ratio Lower Upper

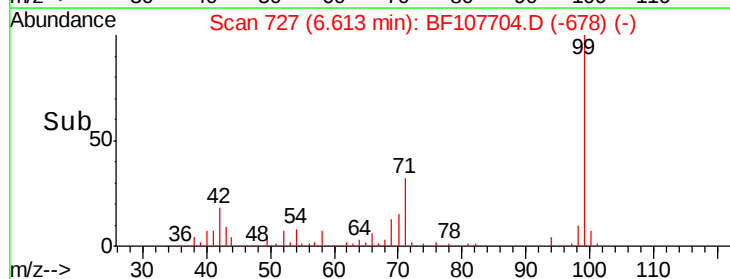
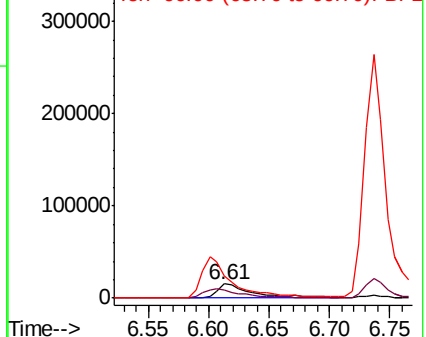
94 100

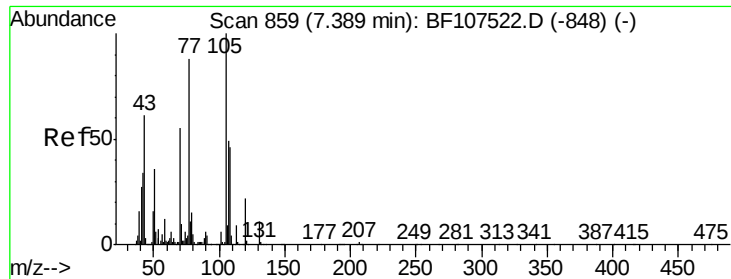
65 57.3 7.9 47.9#

66 157.0 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

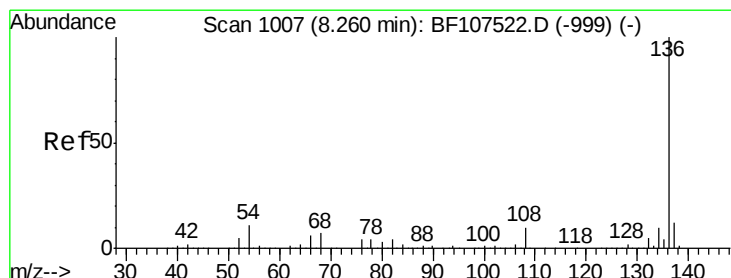
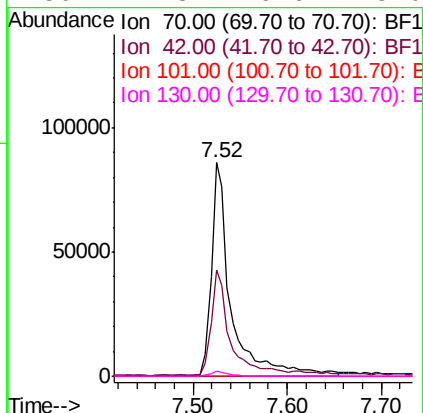
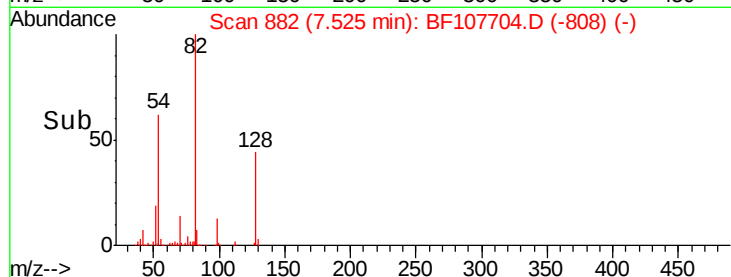
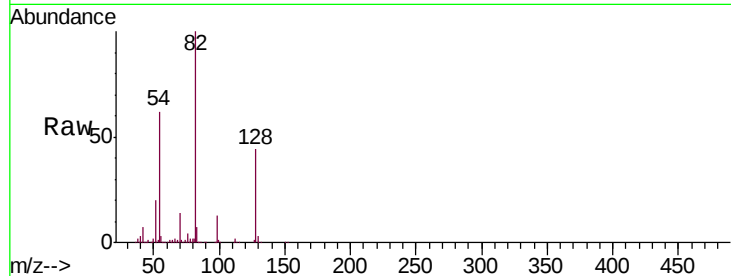




#19
n-Nitroso-di-n-propylamine
Concen: 15.806 ng
RT: 7.52 min Scan# 882
Delta R.T. 0.14 min
Lab File: BF107704.D
Acq: 26 Jul 2018 17:17

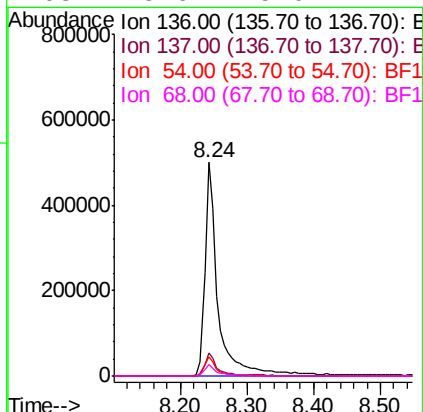
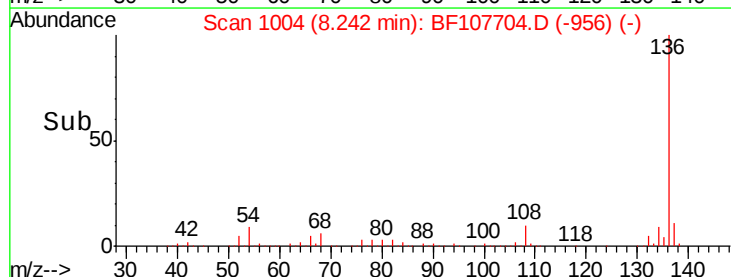
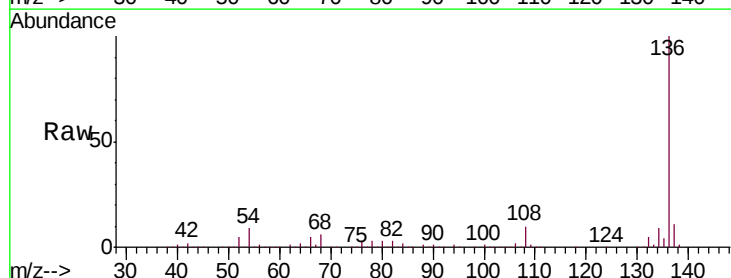
Instrument :
BNA_F
ClientSampleId :
LA-SOIL-2

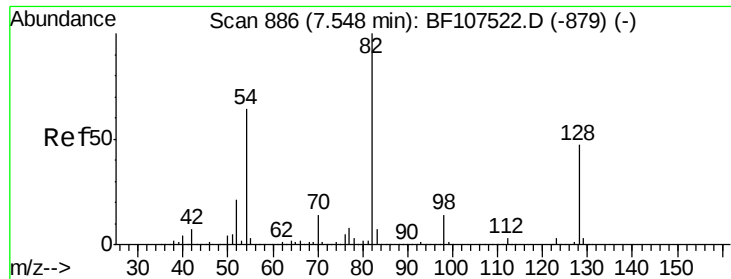
Tgt Ion: 70 Resp: 126930
Ion Ratio Lower Upper
70 100
42 50.1 47.5 71.3
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BF107704.D
Acq: 26 Jul 2018 17:17

Tgt Ion: 136 Resp: 680428
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 9.1 6.6 9.8
68 5.6 5.0 7.4

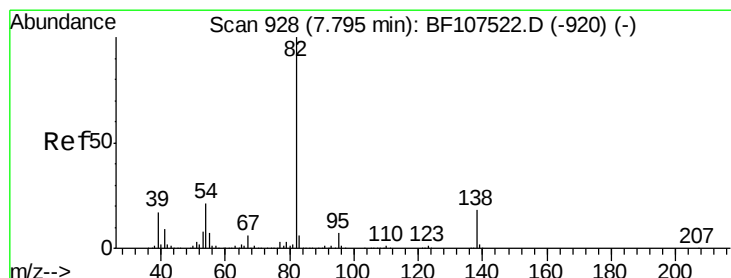
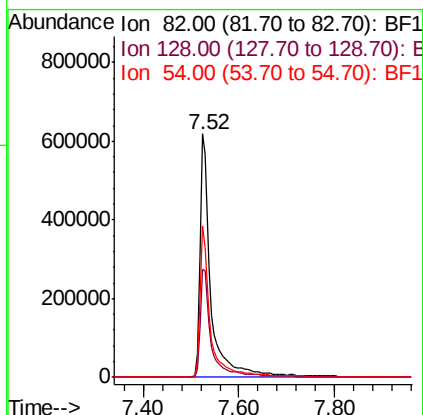
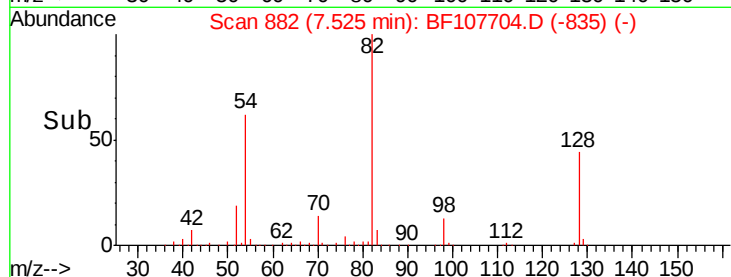
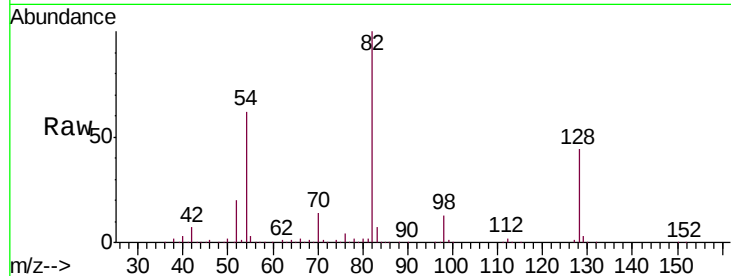




#23
Nitrobenzene-d5
Concen: 97.518 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF107704.D
Acq: 26 Jul 2018 17:17

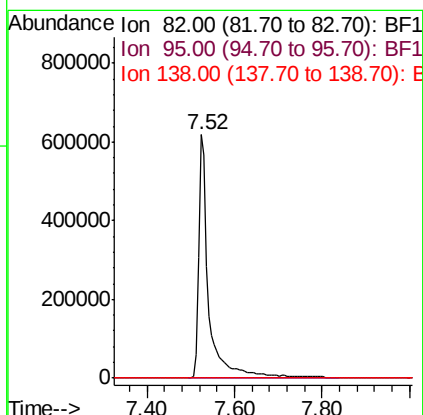
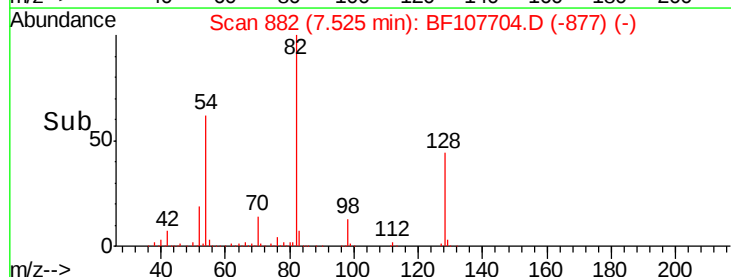
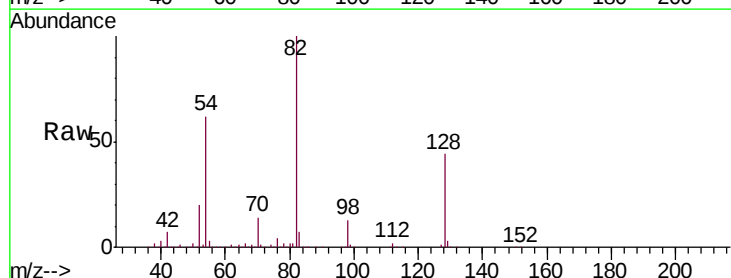
Instrument :
BNA_F
ClientSampleId :
LA-SOIL-2

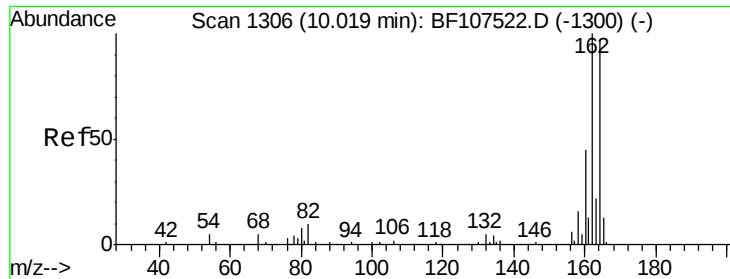
Tgt Ion: 82 Resp: 983205
Ion Ratio Lower Upper
82 100
128 44.4 36.1 54.1
54 62.1 41.4 62.2



#25
Isophorone
Concen: 45.864 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.27 min
Lab File: BF107704.D
Acq: 26 Jul 2018 17:17

Tgt Ion: 82 Resp: 987327
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

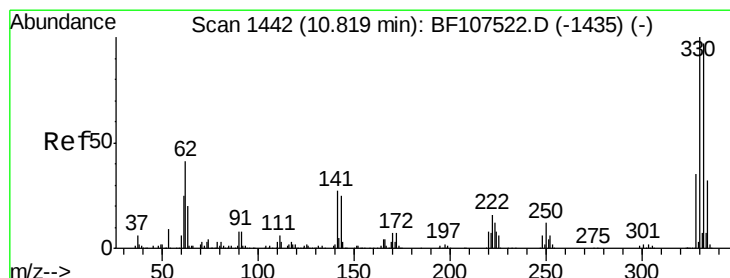
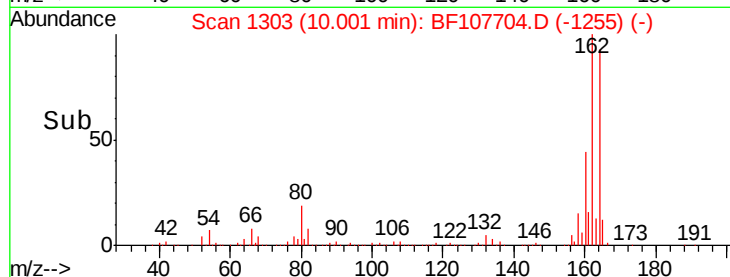
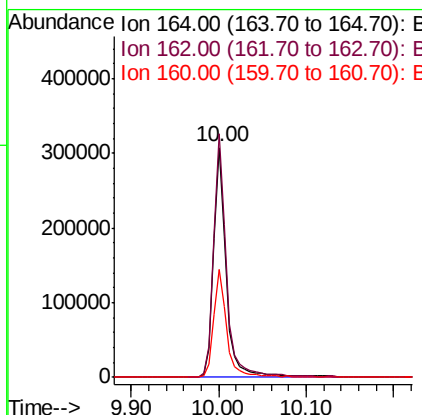
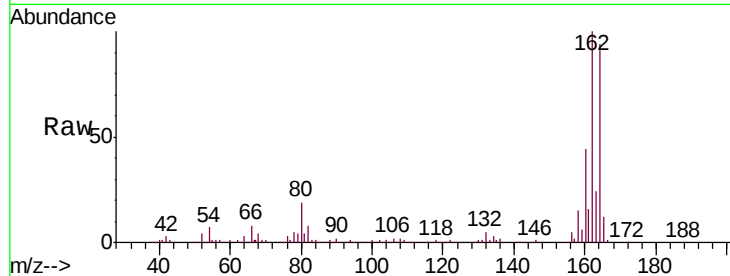




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.02 min
 Lab File: BF107704.D
 Acq: 26 Jul 2018 17:17

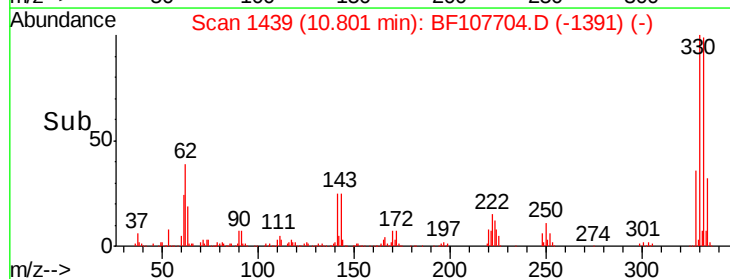
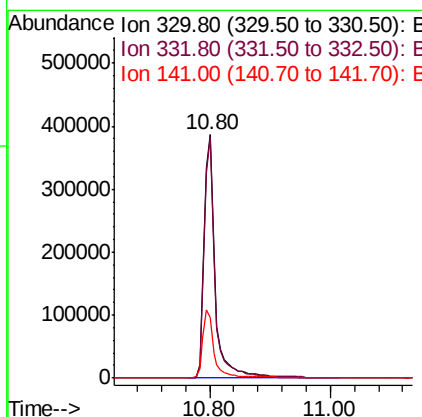
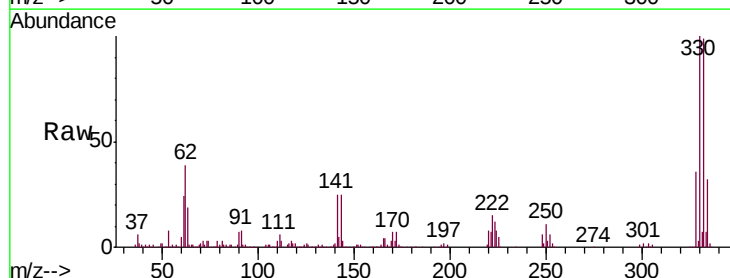
Instrument :
 BNA_F
 ClientSampleId :
 LA-SOIL-2

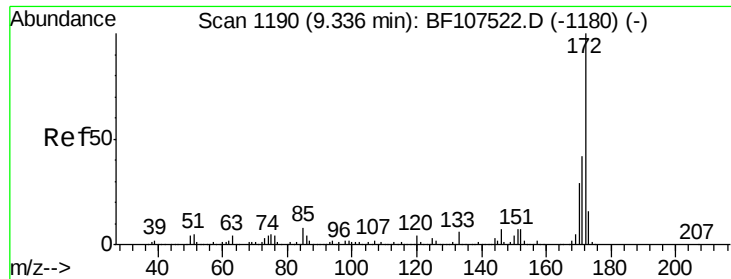
Tgt Ion:164 Resp: 316537
 Ion Ratio Lower Upper
 164 100
 162 106.0 86.1 129.1
 160 46.8 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 137.042 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107704.D
 Acq: 26 Jul 2018 17:17

Tgt Ion:330 Resp: 493285
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 27.9 29.9 44.9#

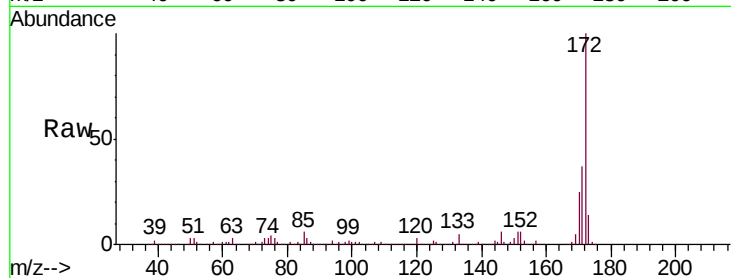




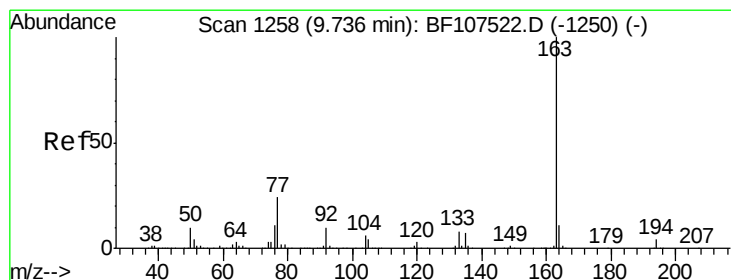
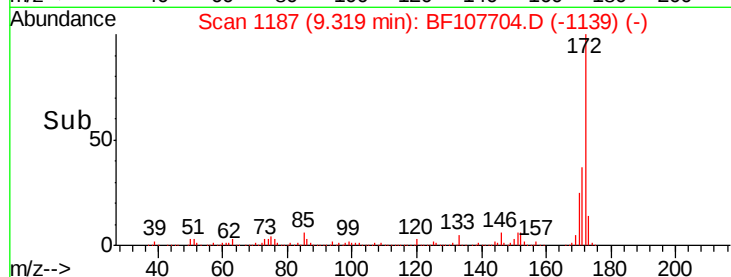
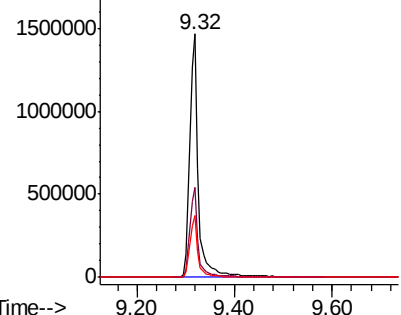
#44
 2-Fluorobiphenyl
 Concen: 103.774 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF107704.D
 Acq: 26 Jul 2018 17:17

Instrument :
 BNA_F
 ClientSampleId :
 LA-SOIL-2

Tgt Ion:172 Resp: 1807078
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.7 44.5
 170 25.2 19.6 29.4

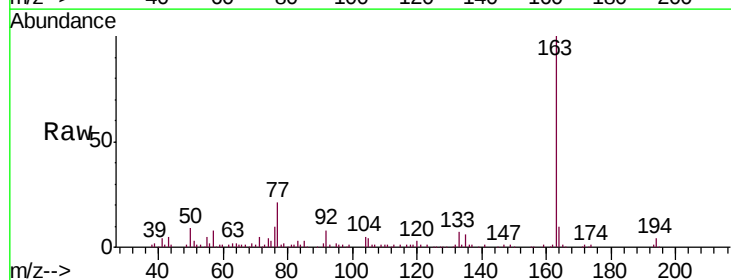


Abundance Ion 172.00 (171.70 to 172.70): E
 2000000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

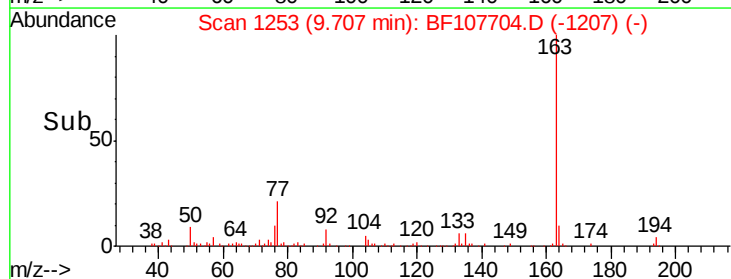
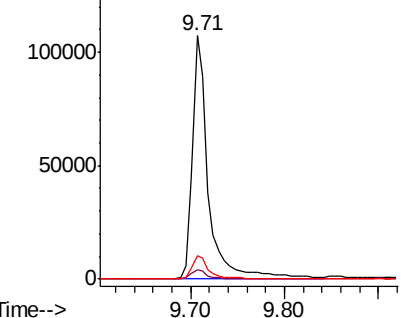


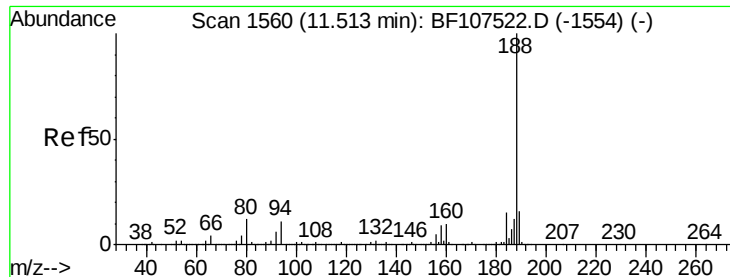
#49
 Dimethylphthalate
 Concen: 5.392 ng
 RT: 9.71 min Scan# 1253
 Delta R.T. -0.03 min
 Lab File: BF107704.D
 Acq: 26 Jul 2018 17:17

Tgt Ion:163 Resp: 128629
 Ion Ratio Lower Upper
 163 100
 194 3.9 2.7 4.1
 164 9.9 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
 150000 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: 11.49 min Scan# 1557

Delta R.T. -0.02 min

Lab File: BF107704.D

Acq: 26 Jul 2018 17:17

Instrument :

BNA_F

ClientSampleId :

LA-SOIL-2

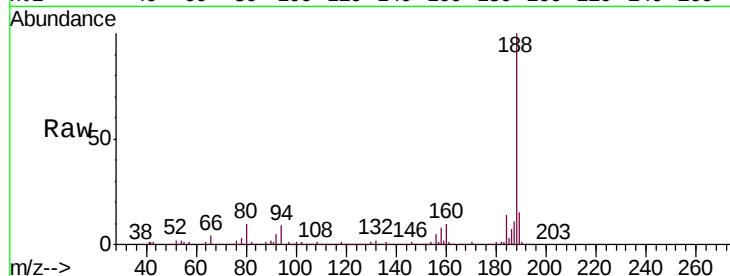
Tgt Ion:188 Resp: 635258

Ion Ratio Lower Upper

188 100

94 9.4 8.5 12.7

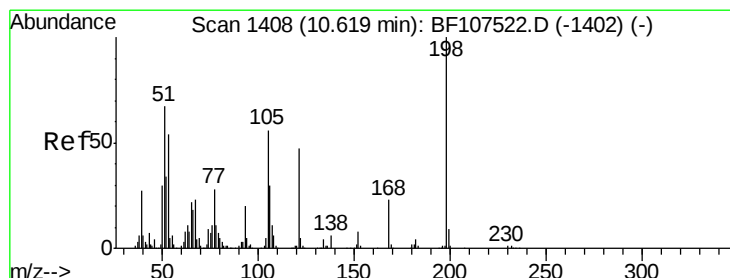
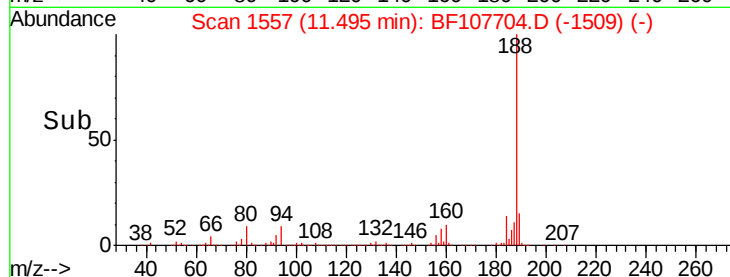
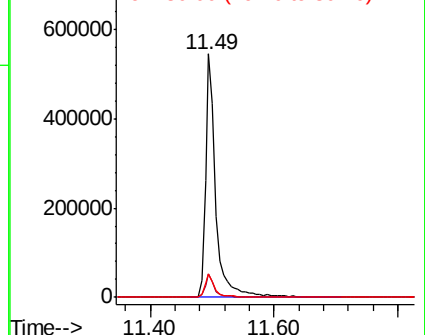
80 9.5 9.2 13.8



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: 8.929 ng

RT: 10.80 min Scan# 1439

Delta R.T. 0.18 min

Lab File: BF107704.D

Acq: 26 Jul 2018 17:17

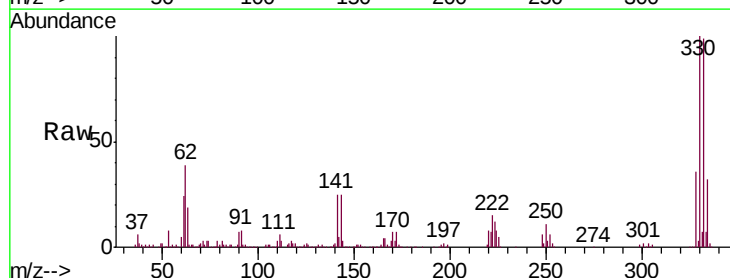
Tgt Ion:198 Resp: 931

Ion Ratio Lower Upper

198 100

51 168.8 37.7 77.7#

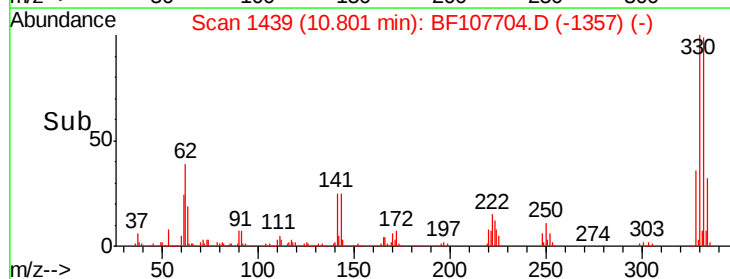
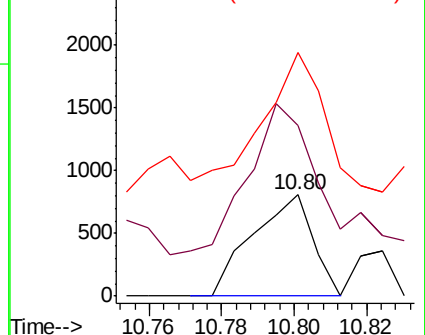
105 240.5 36.3 76.3#

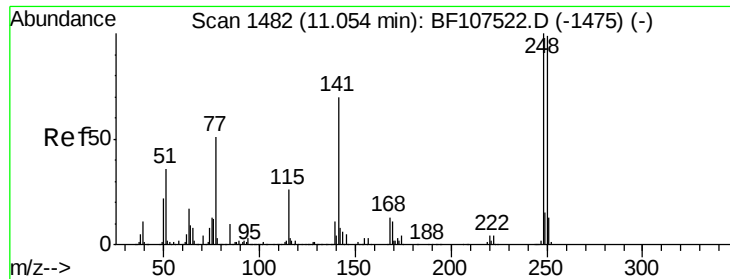


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

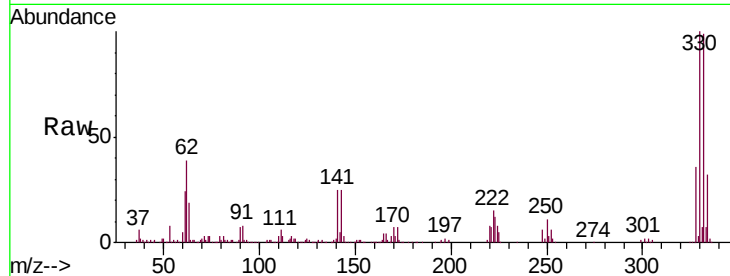




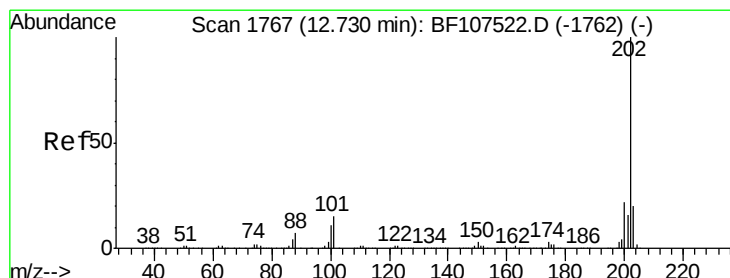
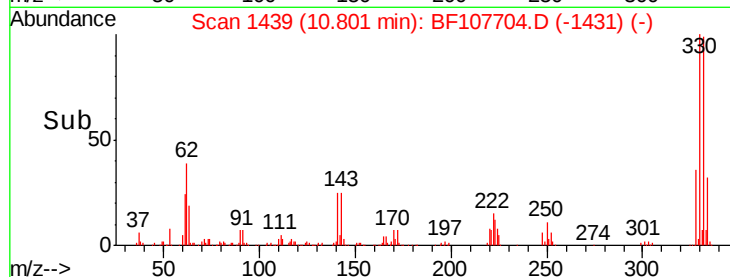
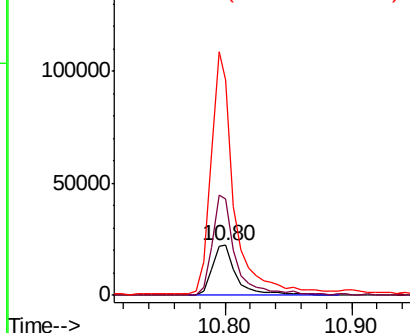
#66
 4-Bromophenyl-phenylether
 Concen: 4.057 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.25 min
 Lab File: BF107704.D
 Acq: 26 Jul 2018 17:17

Instrument :
 BNA_F
 ClientSampleId :
 LA-SOIL-2

Tgt Ion:248 Resp: 30336
 Ion Ratio Lower Upper
 248 100
 250 192.2 76.9 115.3#
 141 429.9 74.4 111.6#

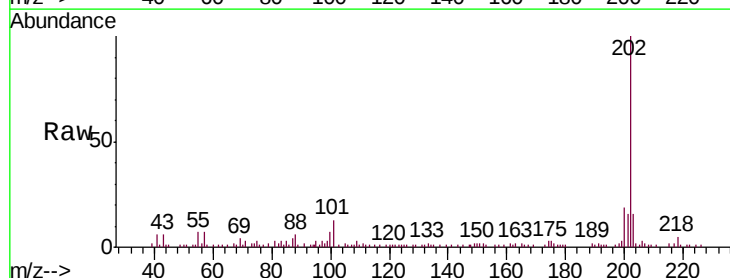


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

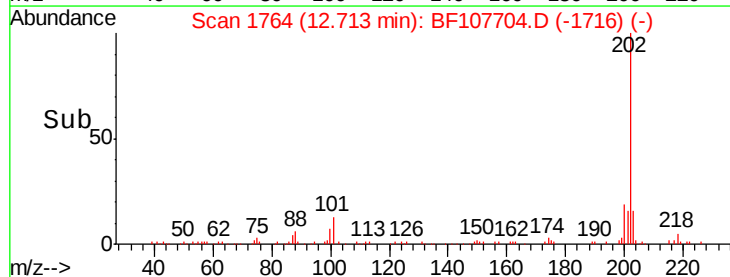
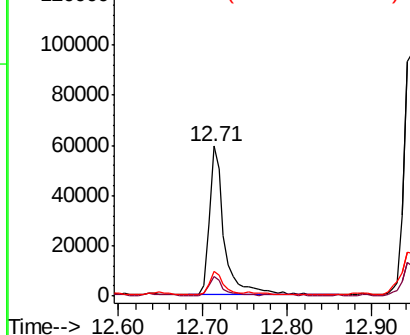


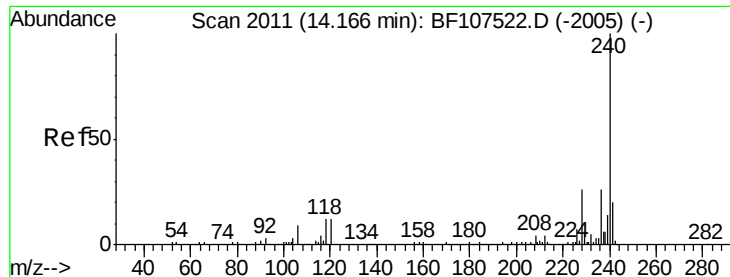
#74
 Fluoranthene
 Concen: 2.246 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.02 min
 Lab File: BF107704.D
 Acq: 26 Jul 2018 17:17

Tgt Ion:202 Resp: 74624
 Ion Ratio Lower Upper
 202 100
 101 13.1 0.0 34.1
 203 16.4 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# 2008

Delta R.T. -0.02 min

Lab File: BF107704.D

Acq: 26 Jul 2018 17:17

Instrument :

BNA_F

ClientSampleId :

LA-SOIL-2

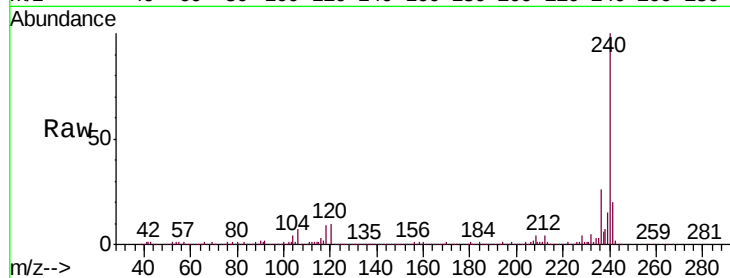
Tgt Ion:240 Resp: 385686

Ion Ratio Lower Upper

240 100

120 9.6 9.5 14.3

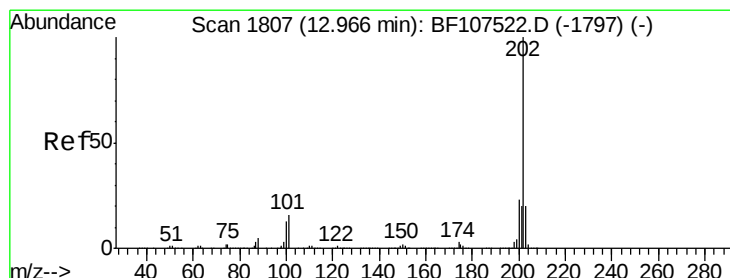
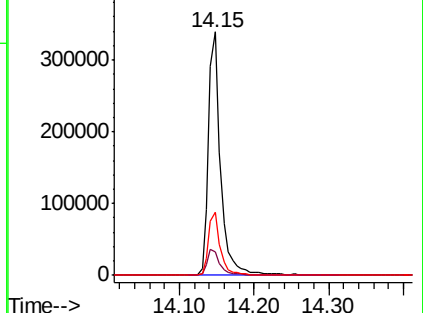
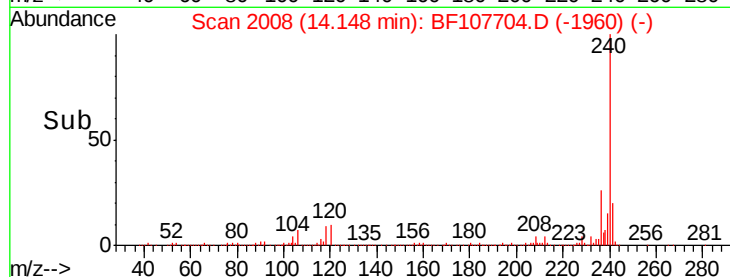
236 25.9 20.7 31.1



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



#77

Pyrene

Concen: 4.606 ng

RT: 12.95 min Scan# 1804

Delta R.T. -0.02 min

Lab File: BF107704.D

Acq: 26 Jul 2018 17:17

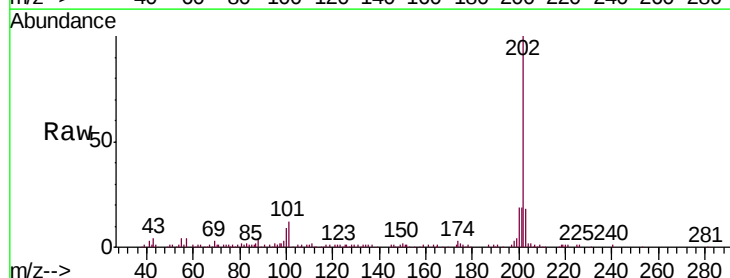
Tgt Ion:202 Resp: 121513

Ion Ratio Lower Upper

202 100

200 19.0 17.4 26.2

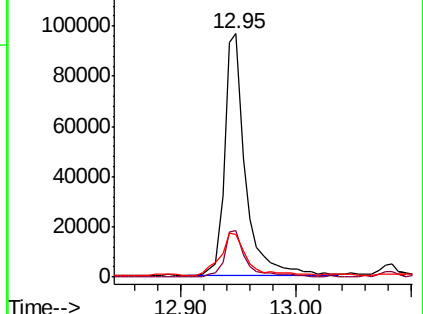
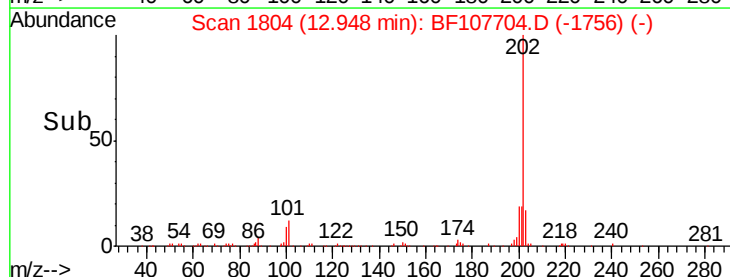
203 17.6 14.3 21.5

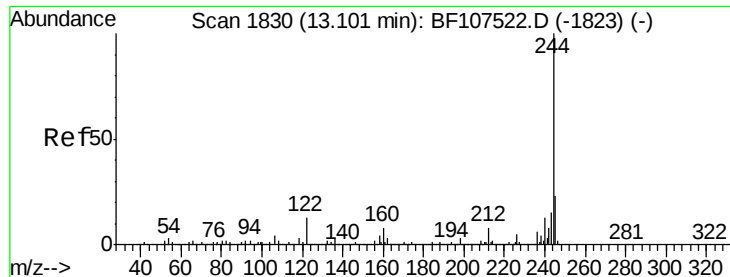


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 105.470 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF107704.D

Acq: 26 Jul 2018 17:17

Instrument :

BNA_F

ClientSampleId :

LA-SOIL-2

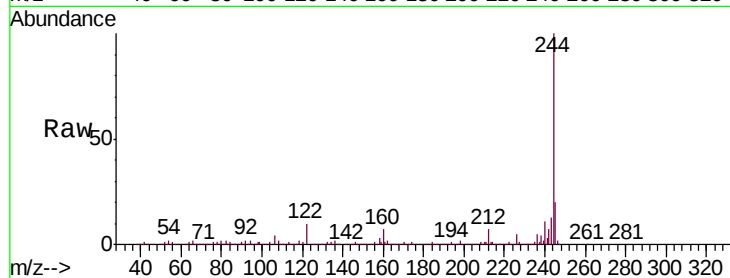
Tgt Ion:244 Resp: 1588945

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

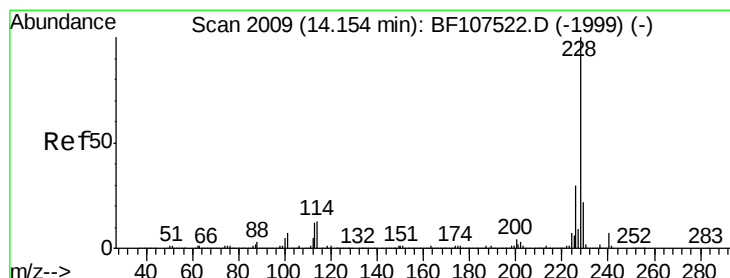
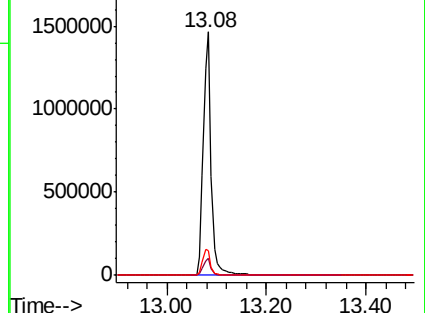
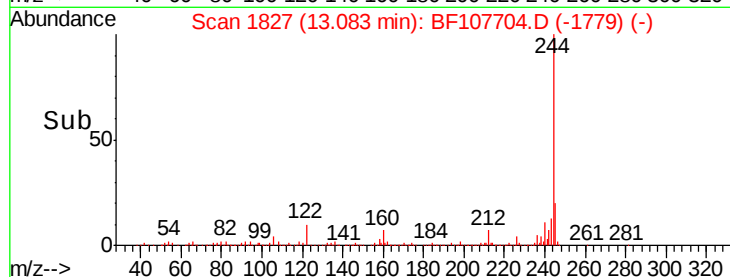
122 10.3 11.0 16.4#



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



#80

Benzo(a)anthracene

Concen: 2.189 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BF107704.D

Acq: 26 Jul 2018 17:17

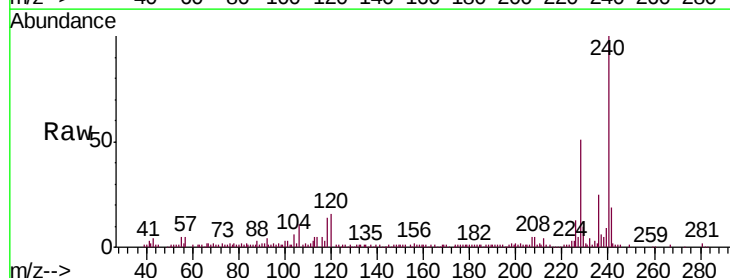
Tgt Ion:228 Resp: 49484

Ion Ratio Lower Upper

228 100

226 25.6 22.6 33.8

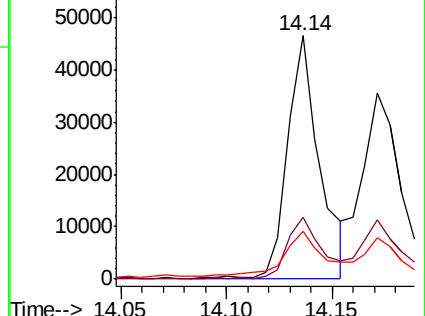
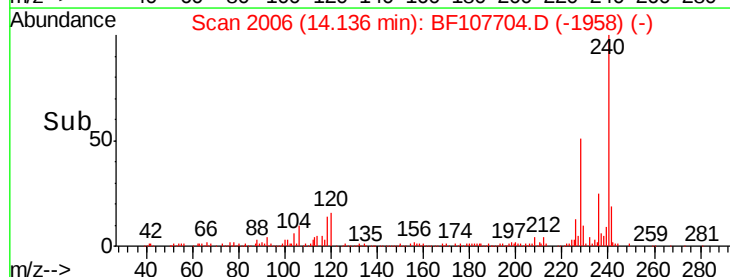
229 19.7 15.8 23.6

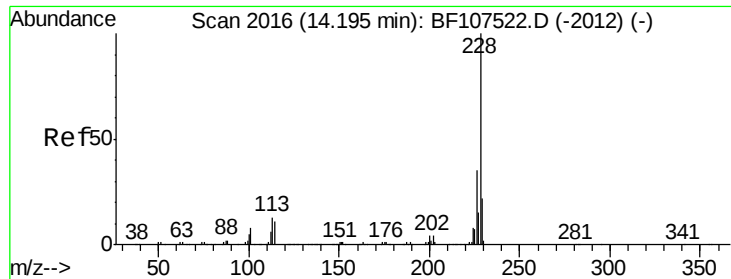


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.207 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF107704.D

Acq: 26 Jul 2018 17:17

Instrument :

BNA_F

ClientSampleId :

LA-SOIL-2

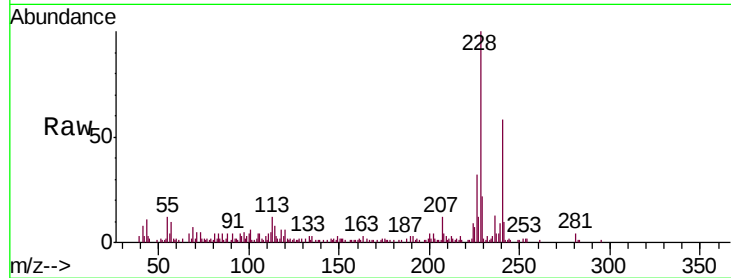
Tgt Ion:228 Resp: 47917

Ion Ratio Lower Upper

228 100

226 32.1 25.0 37.6

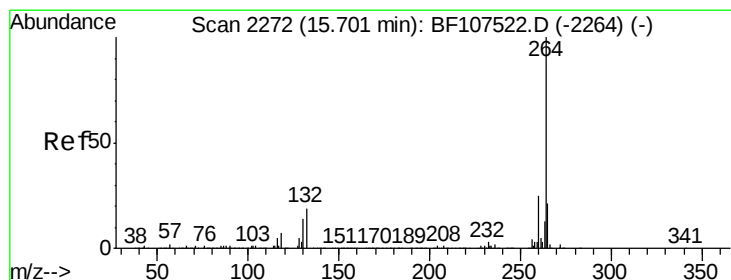
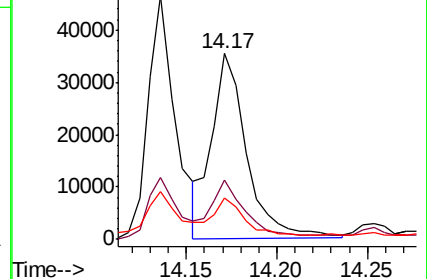
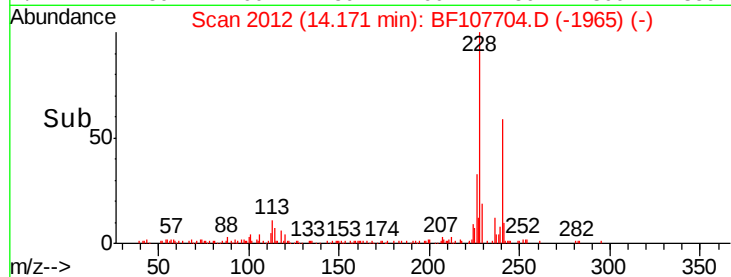
229 22.1 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.02 min

Lab File: BF107704.D

Acq: 26 Jul 2018 17:17

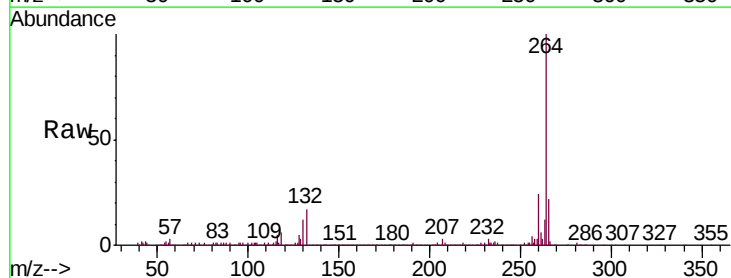
Tgt Ion:264 Resp: 436490

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

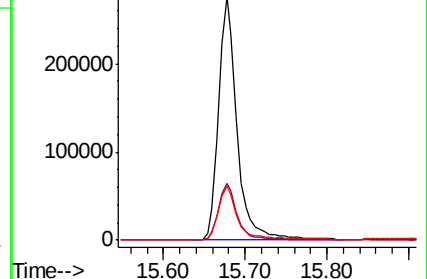
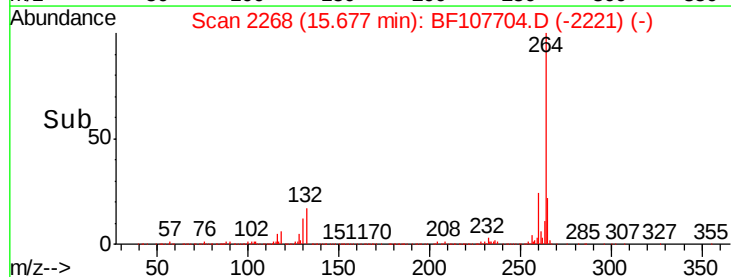
265 22.4 17.5 26.3

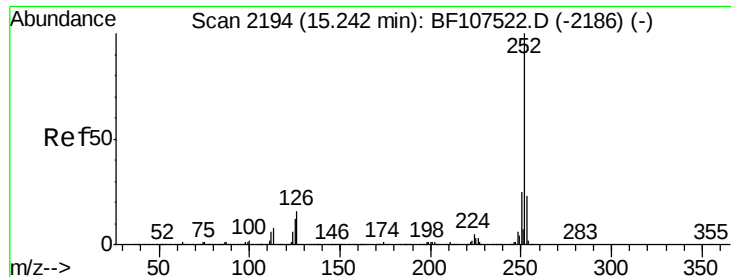


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

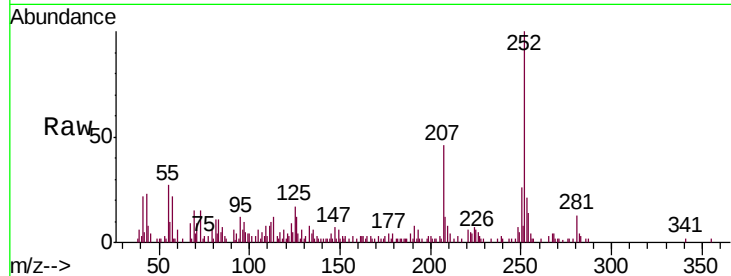




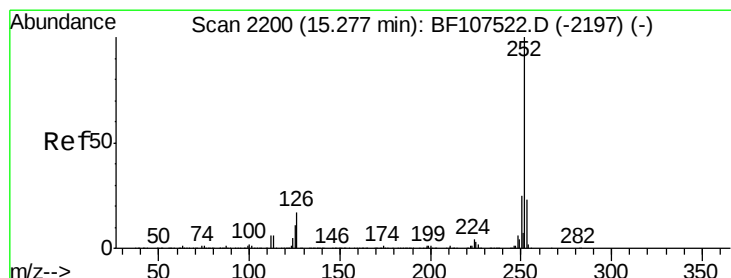
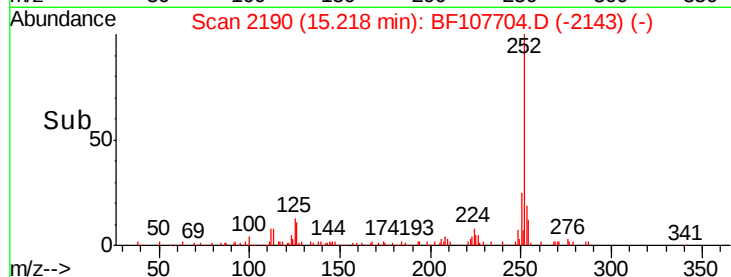
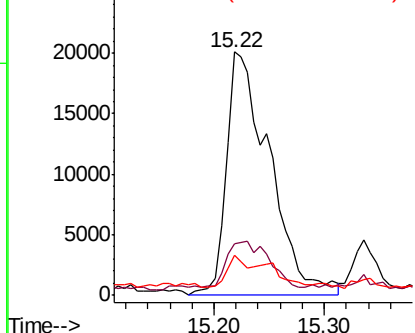
#87
Benzo(b)fluoranthene
Concen: 2.308 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF107704.D
Acq: 26 Jul 2018 17:17

Instrument :
BNA_F
ClientSampleId :
LA-SOIL-2

Tgt Ion:252 Resp: 55132
Ion Ratio Lower Upper
252 100
253 21.0 17.0 25.6
125 16.5 9.0 13.6#

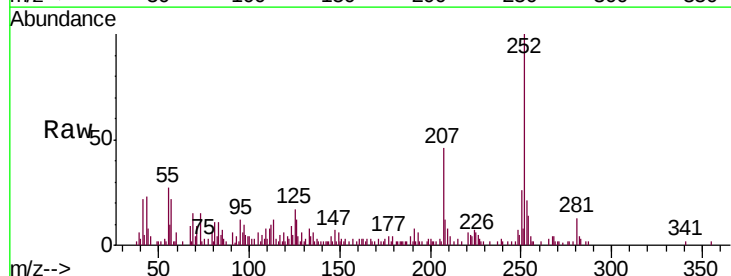


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 2.356 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.06 min
Lab File: BF107704.D
Acq: 26 Jul 2018 17:17

Tgt Ion:252 Resp: 55132
Ion Ratio Lower Upper
252 100
253 21.0 17.9 26.9
125 16.5 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

