

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070518\
 Data File : BF107121.D
 Acq On : 5 Jul 2018 12:40
 Operator : JU/SJ
 Sample : J3796-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-SOIL

Quant Time: Jul 05 13:16:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

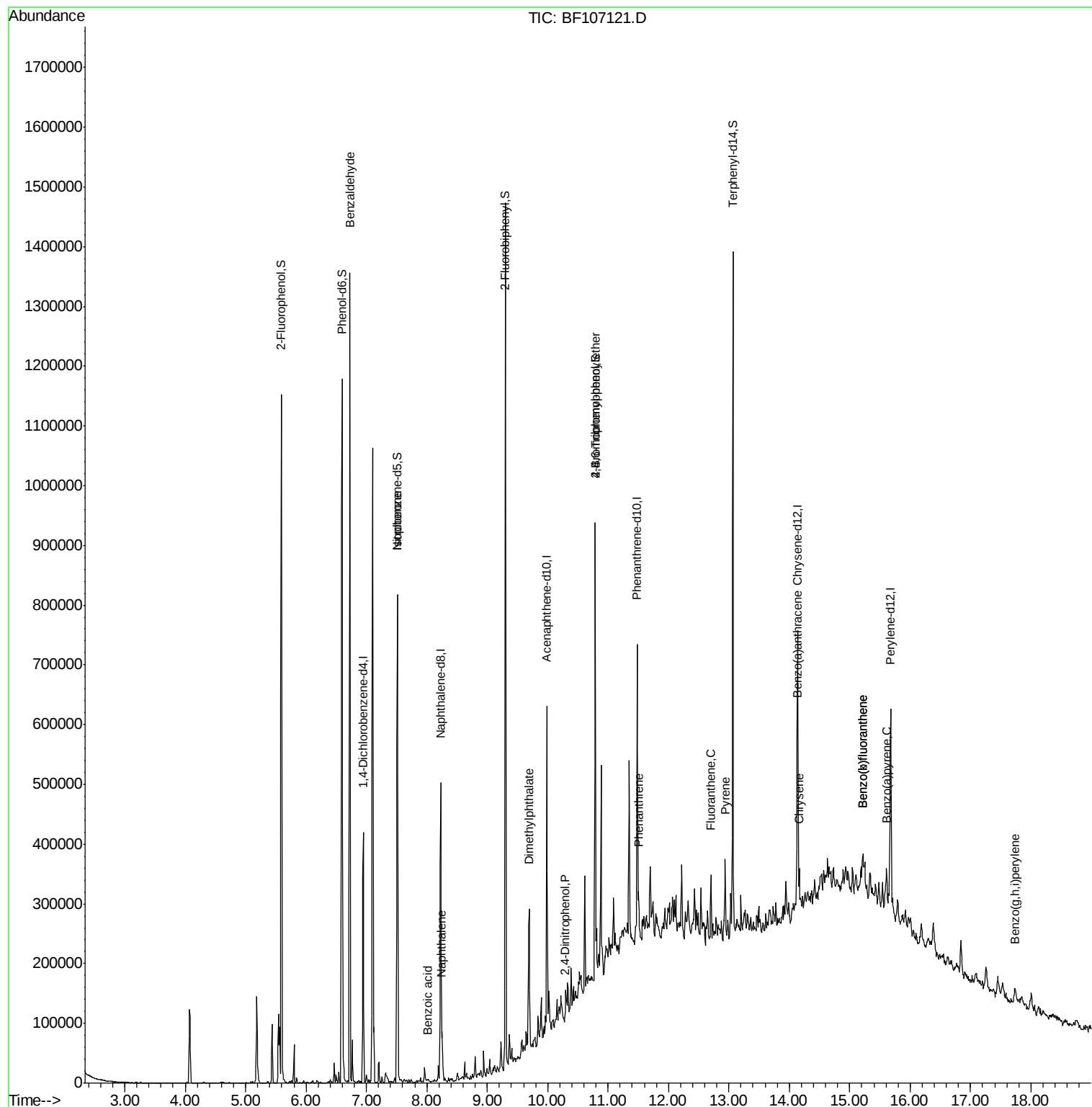
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	61488	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	229858	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	107885	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	179175	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	166059	20.00	ng	-0.03
86) Perylene-d12	15.68	264	184564	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	362652	99.87	ng	-0.01
7) Phenol-d6	6.60	99	447741	98.74	ng	-0.02
23) Nitrobenzene-d5	7.51	82	286530	69.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	123300	98.61	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	480844	73.43	ng	-0.02
78) Terphenyl-d14	13.07	244	423212	61.73	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.72	77	7982	2.099	ng	Qvalue 85
20) 3+4-Methylphenols	7.38	107	632	Below Cal	#	64
25) Isophorone	7.51	82	286528	39.313	ng	# 64
31) Naphthalene	8.25	128	40499	3.769	ng	# 98
32) Benzoic acid	8.02	122	108	5.774	ng	# 26
49) Dimethylphthalate	9.70	163	81497	10.072	ng	# 98
53) 2,4-Dinitrophenol	10.28	184	240	5.604	ng	# 1
66) 4-Bromophenyl-phenylether	10.78	248	7657	3.581	ng	# 1
70) Phenanthrene	11.51	178	24540	2.840	ng	96
74) Fluoranthene	12.70	202	38223	4.013	ng	94
77) Pyrene	12.94	202	47135	4.304	ng	98
80) Benzo(a)anthracene	14.12	228	26698	2.638	ng	# 89
82) Chrysene	14.17	228	32625	3.504	ng	# 91
87) Benzo(b)fluoranthene	15.22	252	48424	4.224	ng	# 84
88) Benzo(k)fluoranthene	15.22	252	48424	4.435	ng	# 87
89) Benzo(a)pyrene	15.61	252	28108	2.758	ng	# 90
91) Benzo(g,h,i)perylene	17.74	276	20870	2.472	ng	# 91

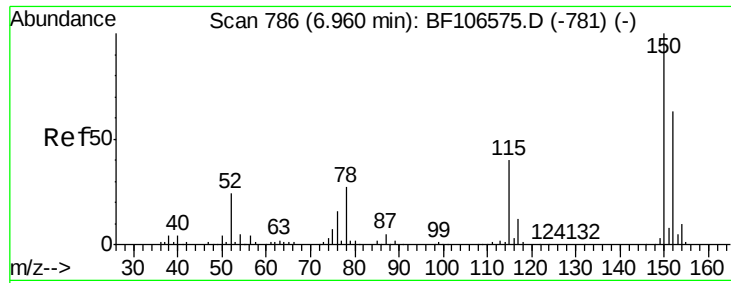
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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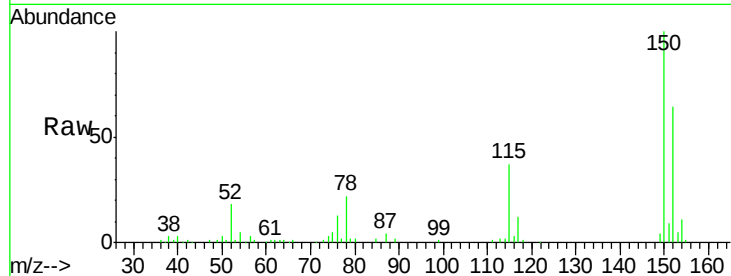




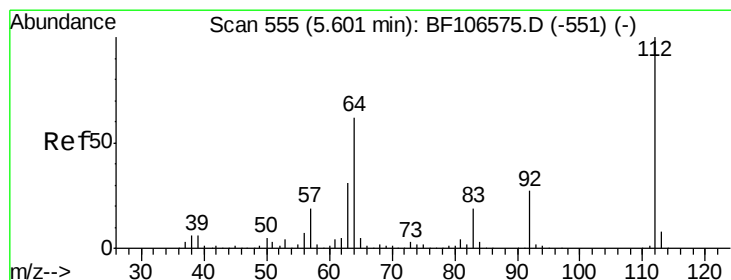
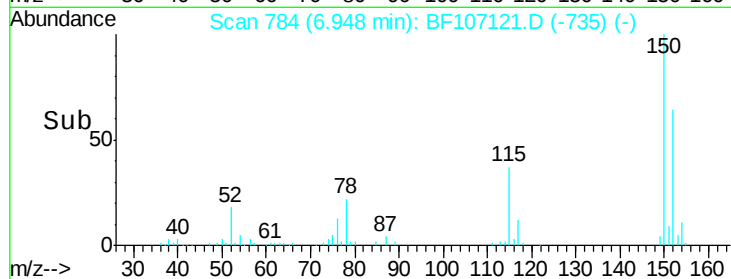
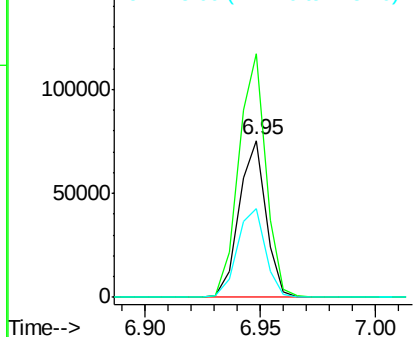
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 784
 Delta R.T. -0.01 min
 Lab File: BF107121.D
 Acq: 5 Jul 2018 12:40

Instrument :
 BNA_F
 ClientSampleId :
 JC-SOIL

Tgt Ion:152 Resp: 61488
 Ion Ratio Lower Upper
 152 100
 150 155.4 124.6 186.8
 115 57.0 50.1 75.1

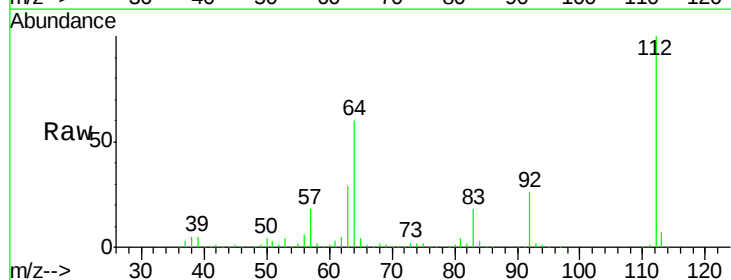


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

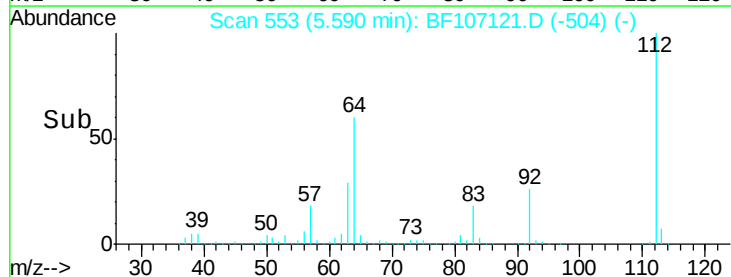
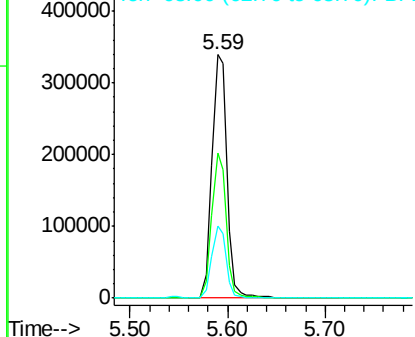


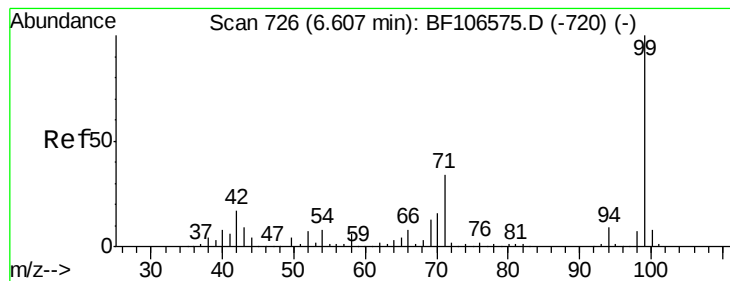
#5
 2-Fluorophenol
 Concen: 99.871 ng
 RT: 5.59 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF107121.D
 Acq: 5 Jul 2018 12:40

Tgt Ion:112 Resp: 362652
 Ion Ratio Lower Upper
 112 100
 64 59.8 47.9 71.9
 63 29.4 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: 98.737 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107121.D

Acq: 5 Jul 2018 12:40

Instrument :

BNA_F

ClientSampled :

JC-SOIL

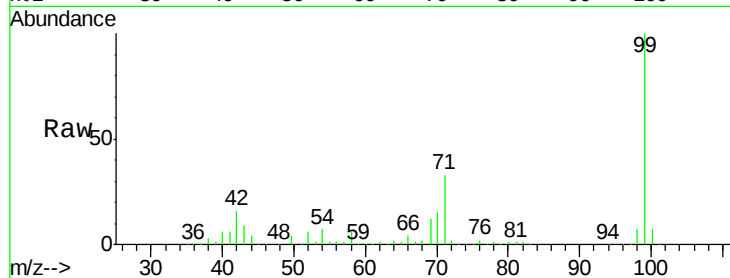
Tgt Ion: 99 Resp: 447741

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

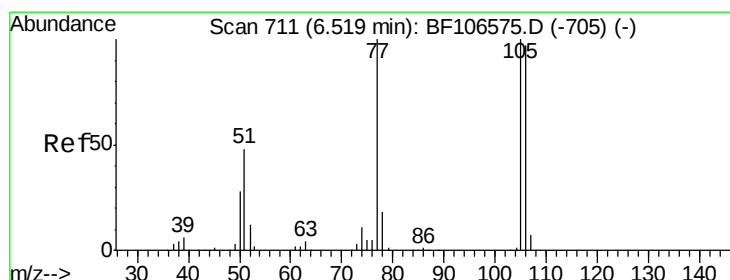
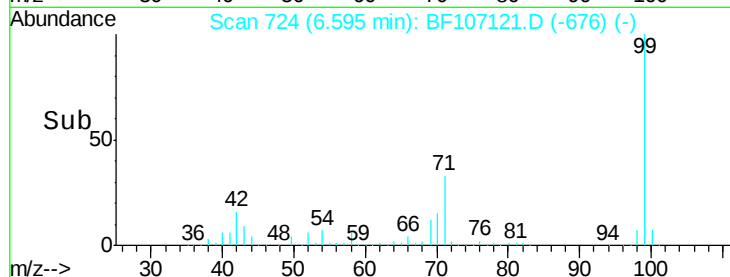
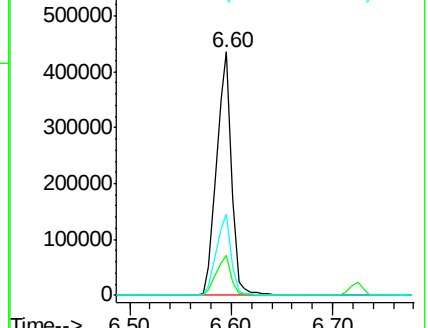
71 33.3 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.099 ng

RT: 6.72 min Scan# 746

Delta R.T. 0.21 min

Lab File: BF107121.D

Acq: 5 Jul 2018 12:40

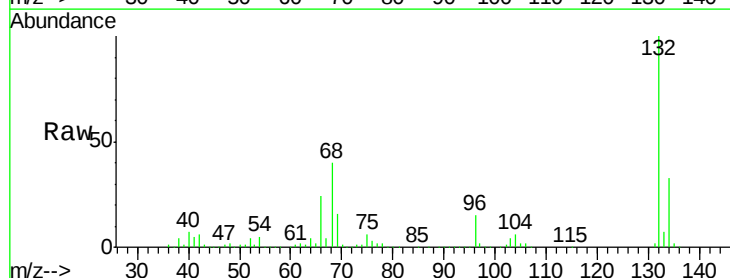
Tgt Ion: 77 Resp: 7982

Ion Ratio Lower Upper

77 100

105 84.3 81.1 121.1

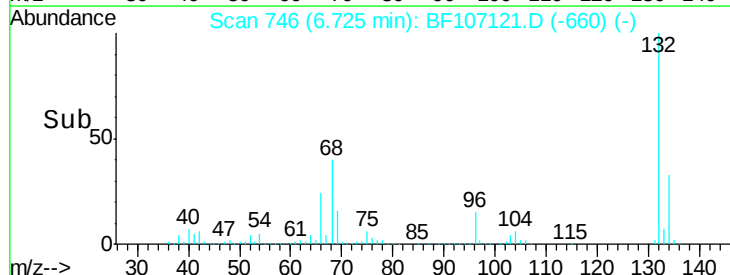
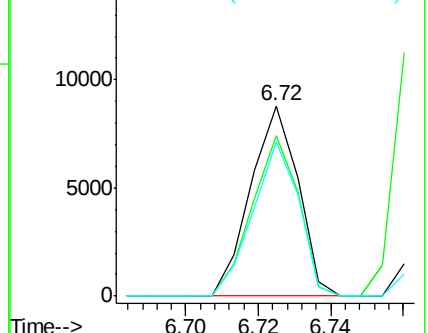
106 80.9 74.5 114.5

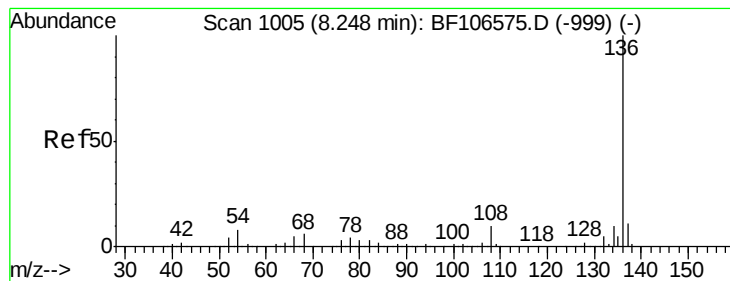


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BF107121.D

Acq: 5 Jul 2018 12:40

Instrument :

BNA_F

ClientSampleId :

JC-SOIL

Tgt Ion:136 Resp: 229858

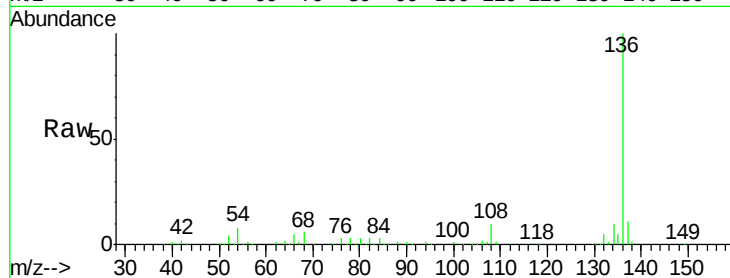
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.7 6.6 9.8

68 5.9 5.0 7.4

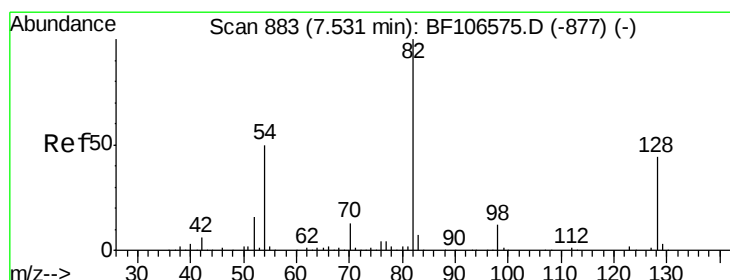
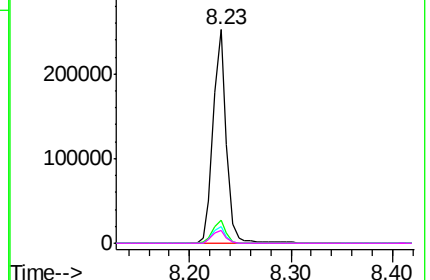
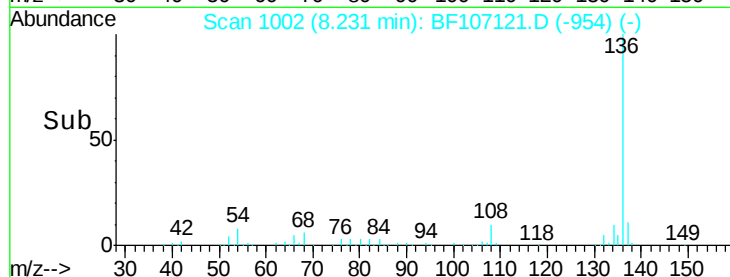


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 69.275 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF107121.D

Acq: 5 Jul 2018 12:40

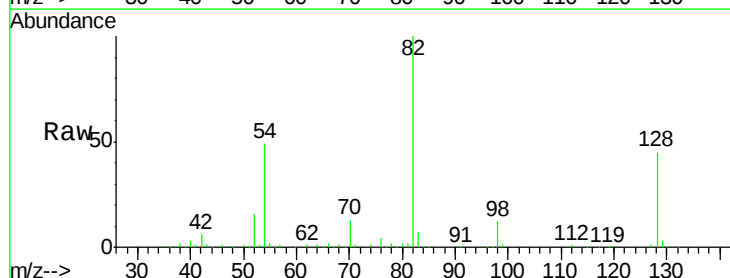
Tgt Ion: 82 Resp: 286530

Ion Ratio Lower Upper

82 100

128 45.2 36.1 54.1

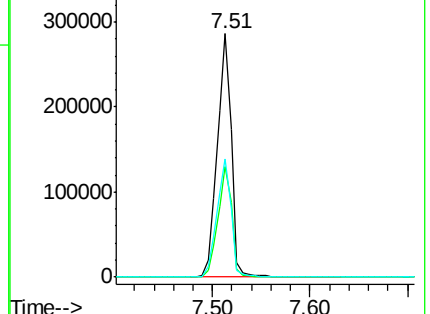
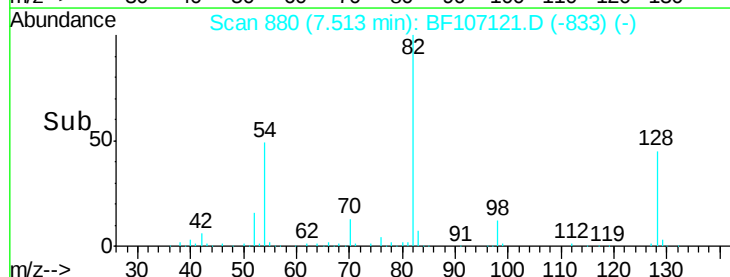
54 48.8 41.4 62.2

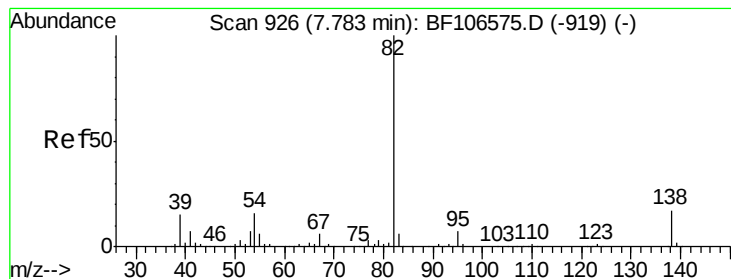


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 39.313 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107121.D

Acq: 5 Jul 2018 12:40

Instrument :

BNA_F

ClientSampleId :

JC-SOIL

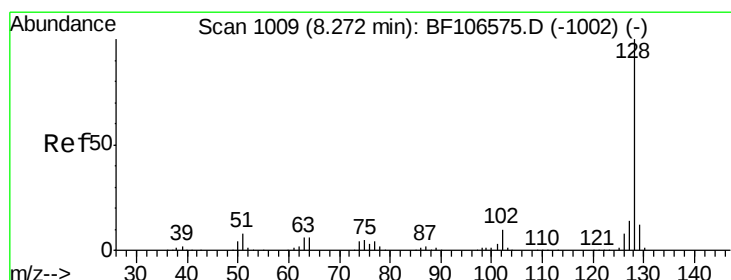
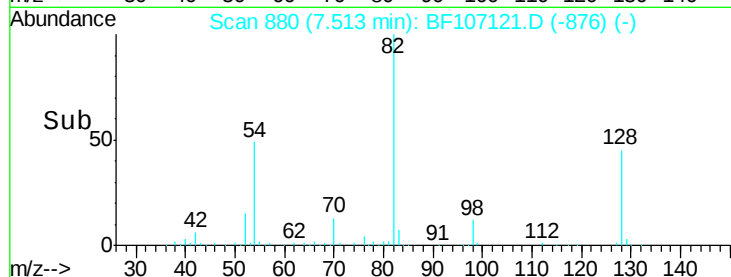
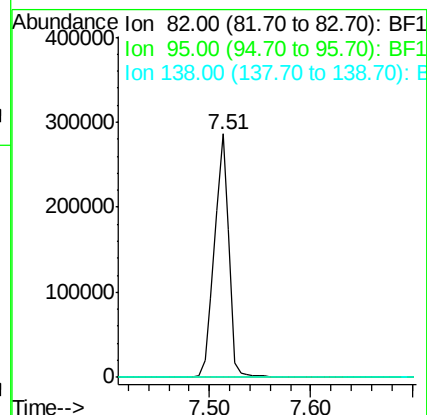
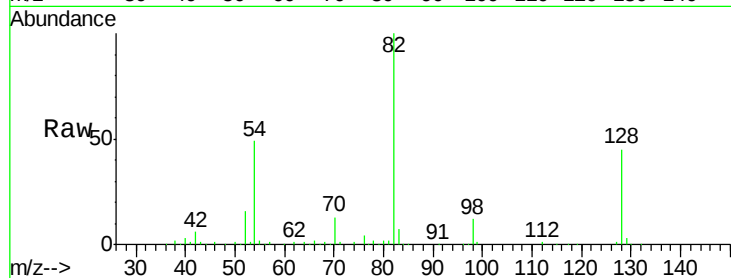
Tgt Ion: 82 Resp: 286528

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#31

Naphthalene

Concen: 3.769 ng

RT: 8.25 min Scan# 1005

Delta R.T. -0.02 min

Lab File: BF107121.D

Acq: 5 Jul 2018 12:40

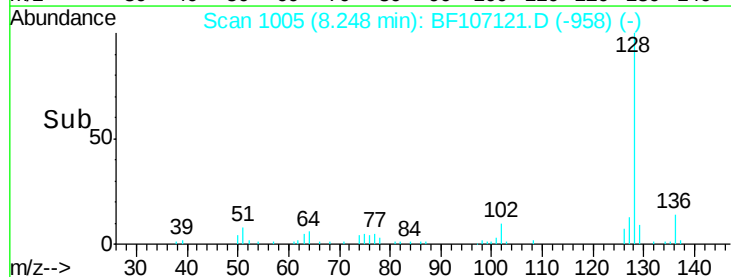
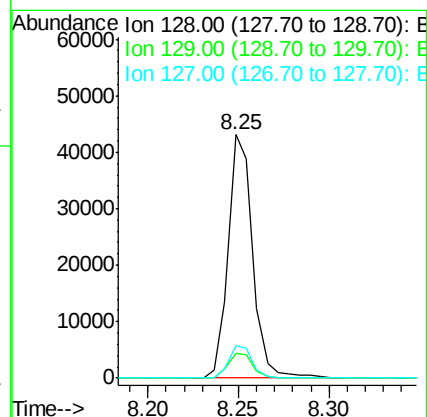
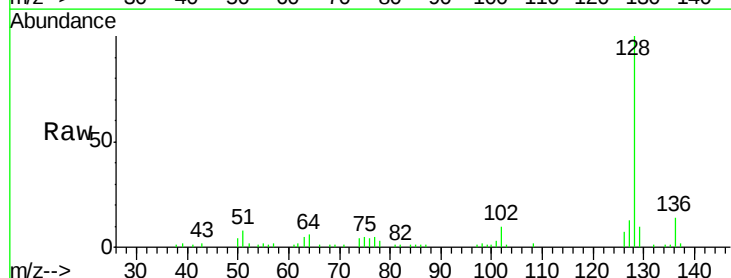
Tgt Ion: 128 Resp: 40499

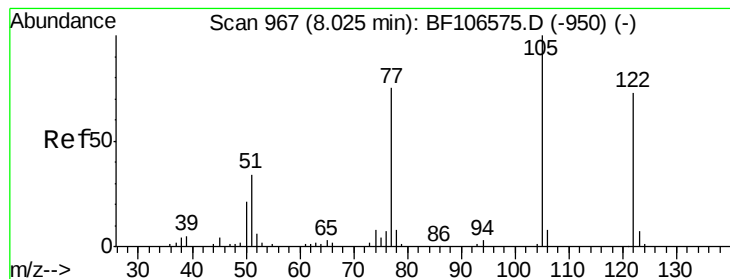
Ion Ratio Lower Upper

128 100

129 10.2 8.8 13.2

127 13.1 10.9 16.3





#32

Benzoic acid

Concen: 5.774 ng

RT: 8.02 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF107121.D

Acq: 5 Jul 2018 12:40

Instrument :

BNA_F

ClientSampleId :

JC-SOIL

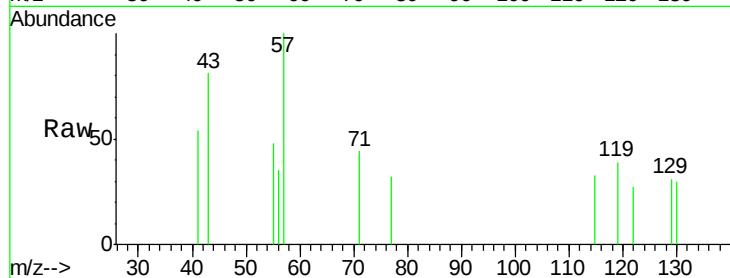
Tgt Ion:122 Resp: 108

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

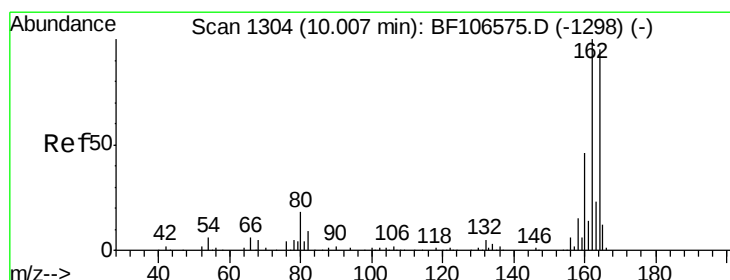
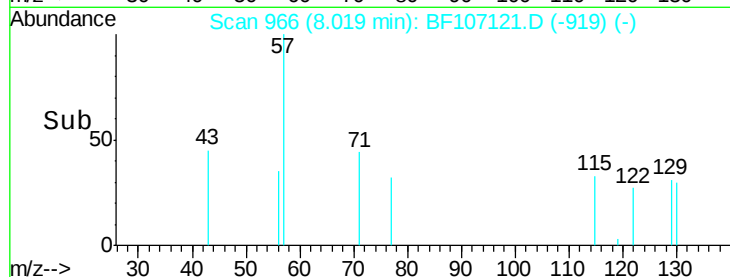
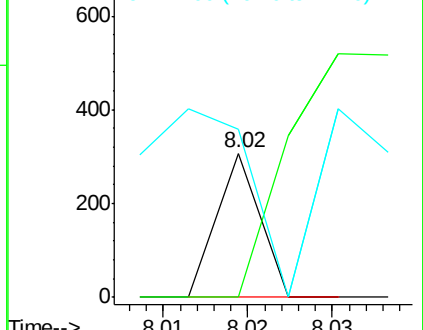
77 116.3 70.7 110.7#



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: 9.99 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BF107121.D

Acq: 5 Jul 2018 12:40

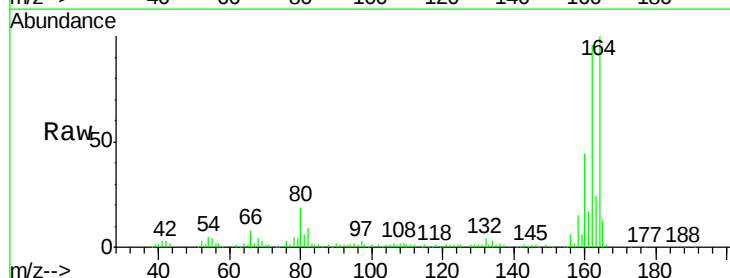
Tgt Ion:164 Resp: 107885

Ion Ratio Lower Upper

164 100

162 96.0 86.1 129.1

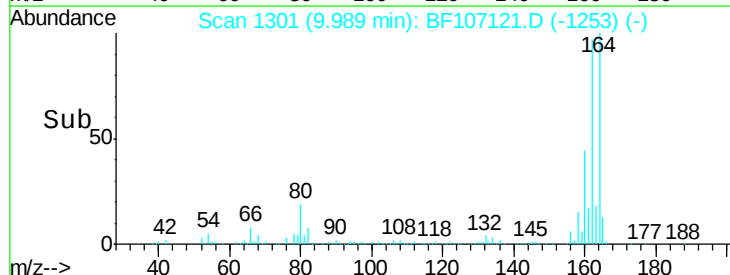
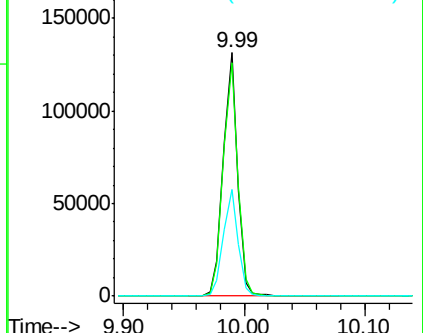
160 43.8 38.3 57.5

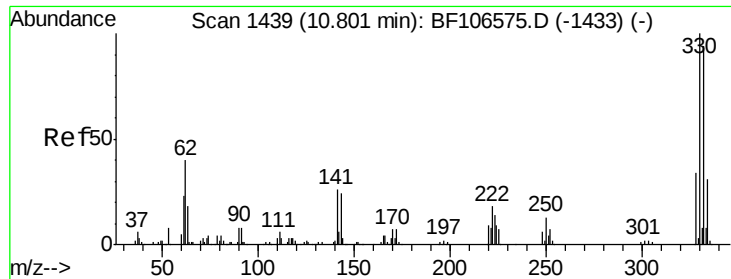


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

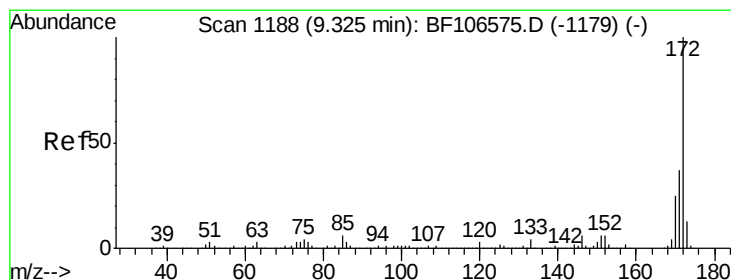
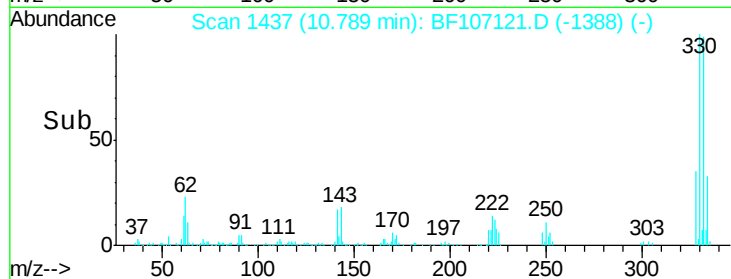
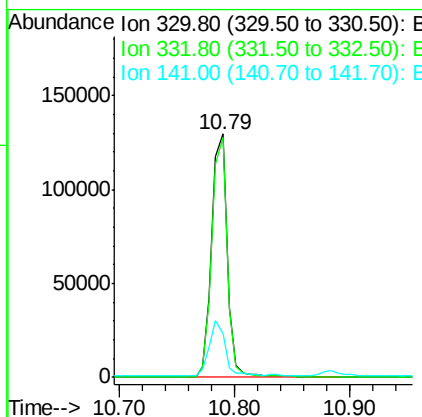
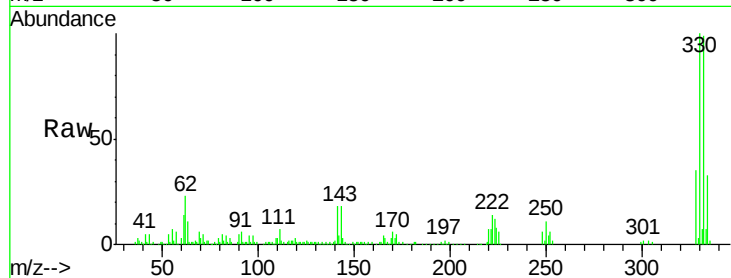




#41
 2,4,6-Tribromophenol
 Concen: 98.607 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107121.D
 Acq: 5 Jul 2018 12:40

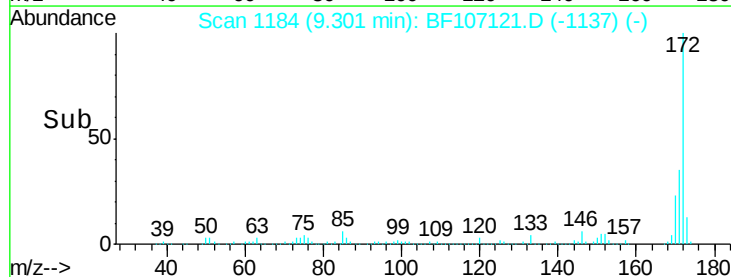
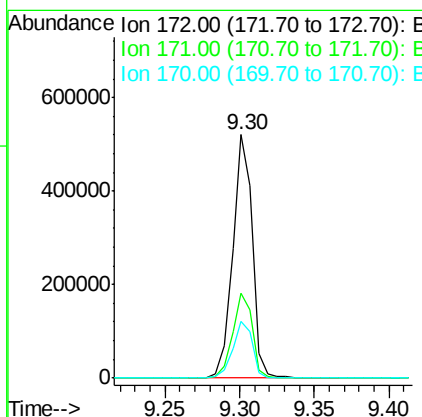
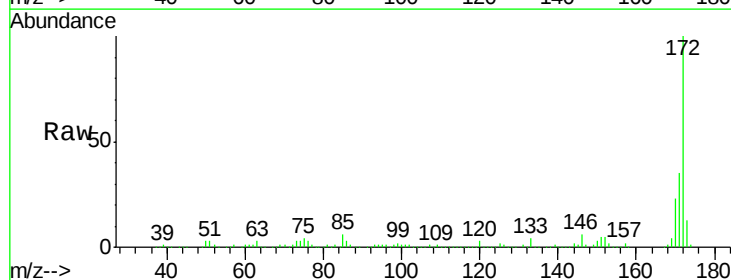
Instrument :
 BNA_F
 ClientSampleId :
 JC-SOIL

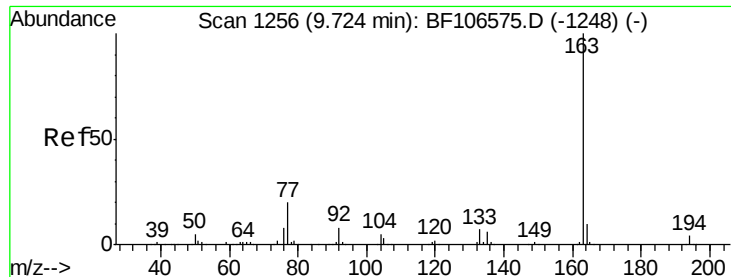
Tgt Ion:330 Resp: 123300
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.0 115.6
 141 22.4 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 73.433 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107121.D
 Acq: 5 Jul 2018 12:40

Tgt Ion:172 Resp: 480844
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.7 44.5
 170 23.4 19.6 29.4

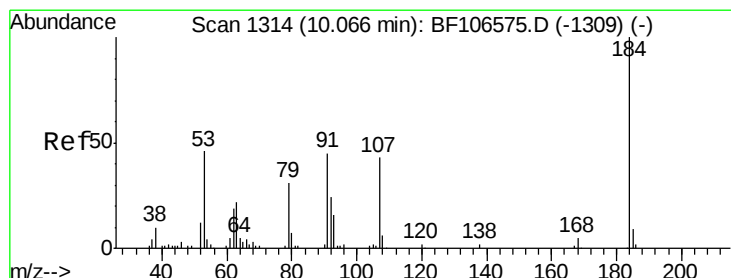
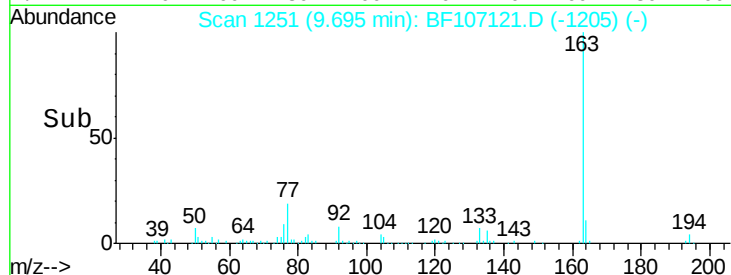
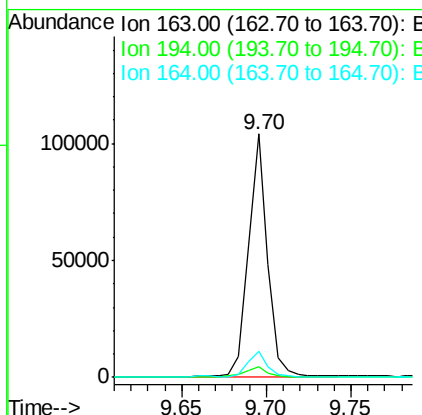
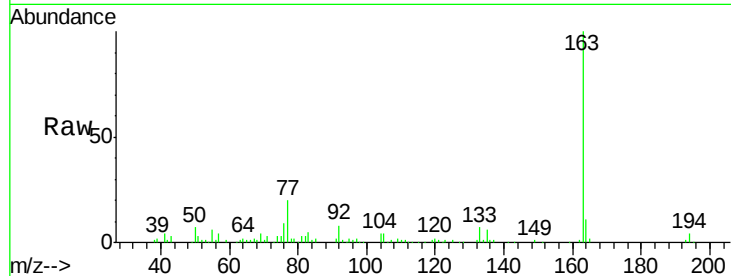




#49
Dimethylphthalate
Concen: 10.072 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107121.D
Acq: 5 Jul 2018 12:40

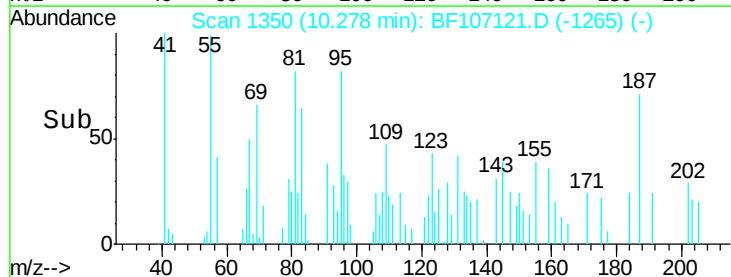
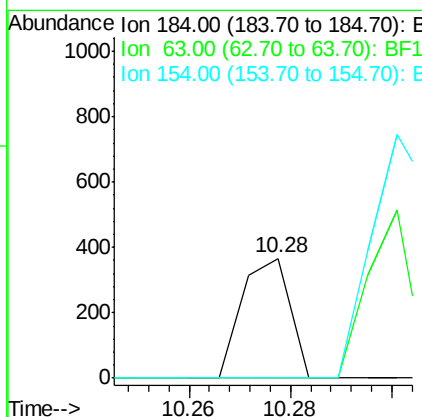
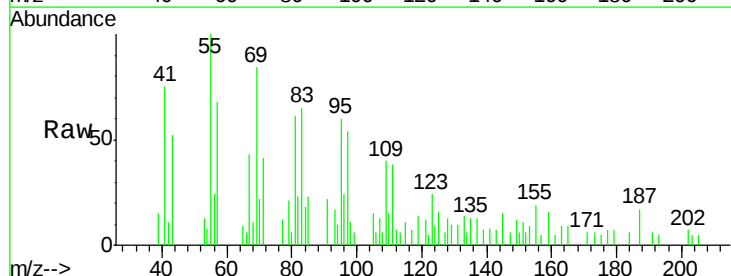
Instrument :
BNA_F
ClientSampled :
JC-SOIL

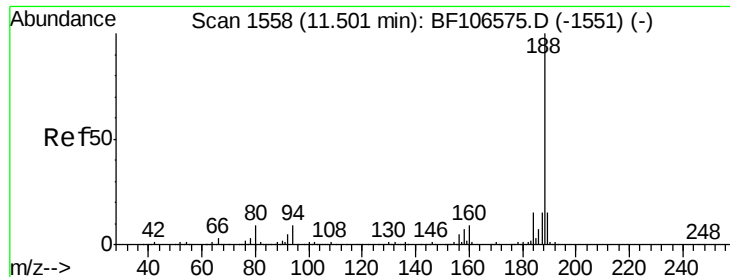
Tgt Ion:163 Resp: 81497
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 10.9 8.2 12.2



#53
2,4-Dinitrophenol
Concen: 5.604 ng
RT: 10.28 min Scan# 1350
Delta R.T. 0.20 min
Lab File: BF107121.D
Acq: 5 Jul 2018 12:40

Tgt Ion:184 Resp: 240
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 0.0 184.0 276.0#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1555

Delta R.T. -0.02 min

Lab File: BF107121.D

Acq: 5 Jul 2018 12:40

Instrument :

BNA_F

ClientSampleId :

JC-SOIL

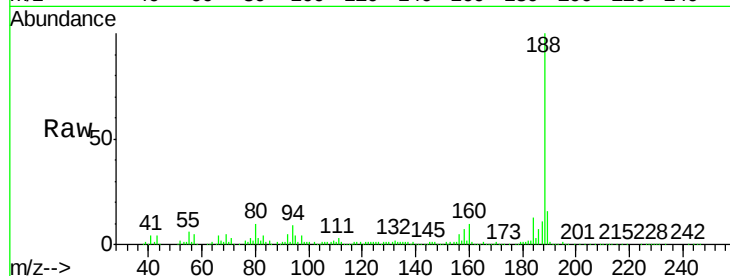
Tgt Ion:188 Resp: 179175

Ion Ratio Lower Upper

188 100

94 9.3 8.5 12.7

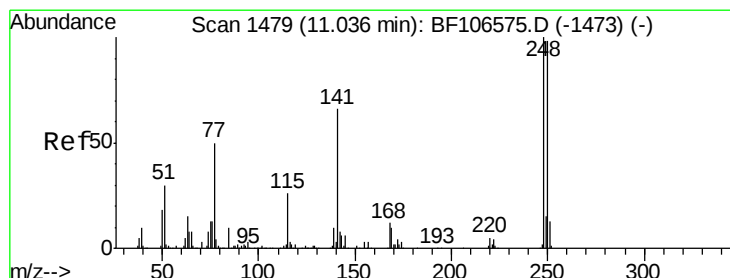
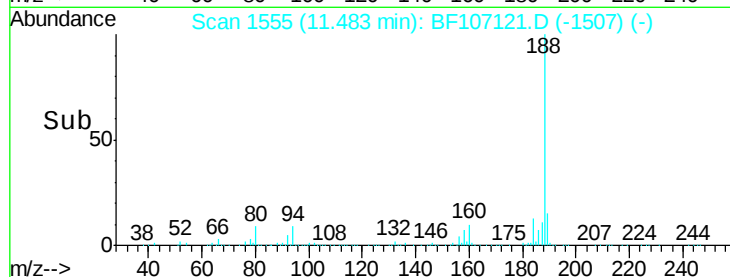
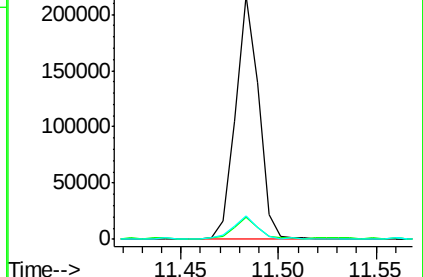
80 9.6 9.2 13.8



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



#66

4-Bromophenyl-phenylether

Concen: 3.581 ng

RT: 10.78 min Scan# 1436

Delta R.T. -0.25 min

Lab File: BF107121.D

Acq: 5 Jul 2018 12:40

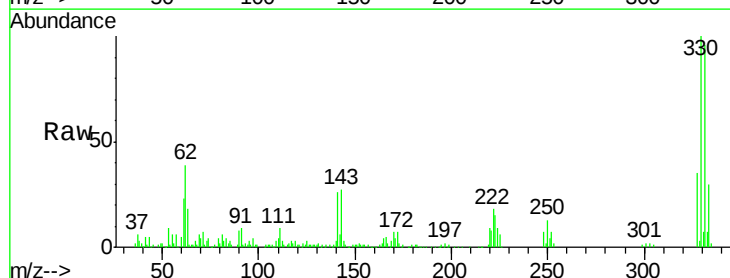
Tgt Ion:248 Resp: 7657

Ion Ratio Lower Upper

248 100

250 198.2 76.9 115.3#

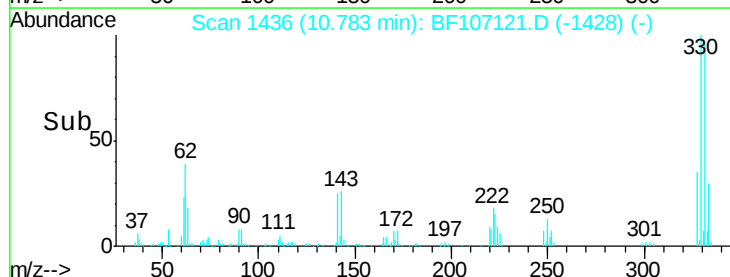
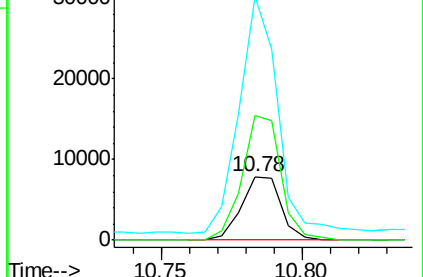
141 385.4 74.4 111.6#

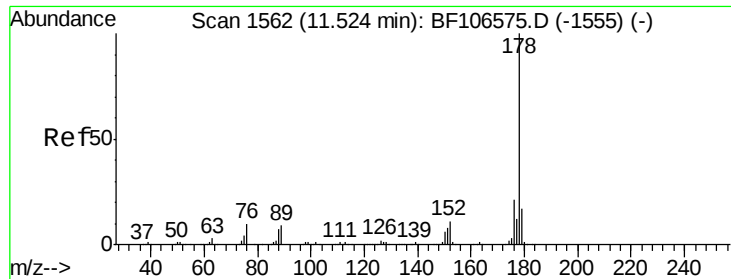


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

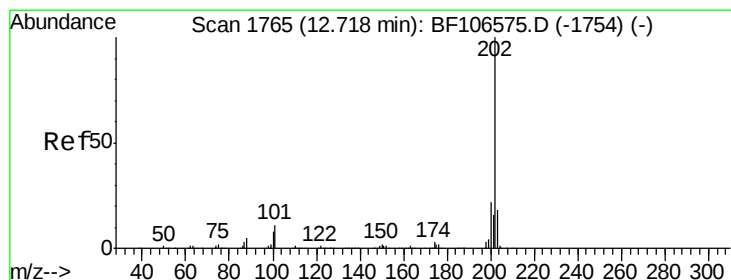
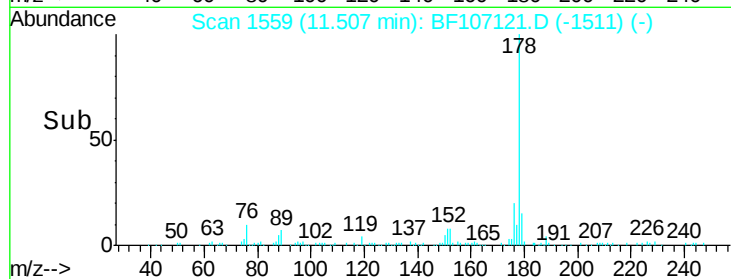
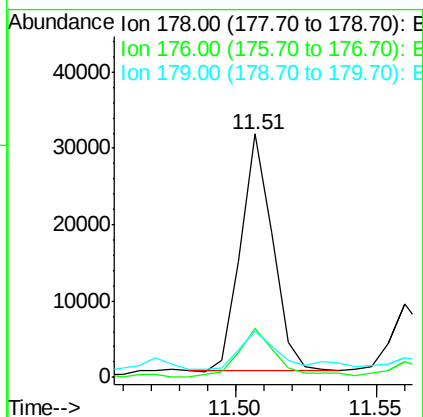
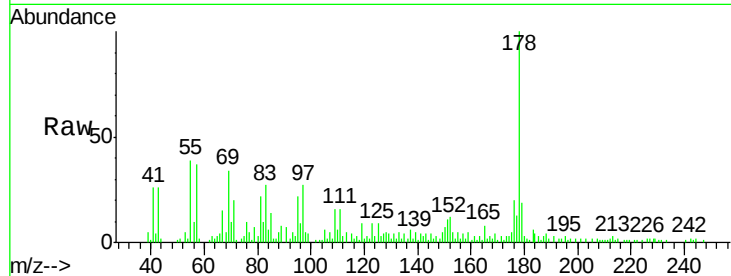




#70
Phenanthrene
Concen: 2.840 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF107121.D
Acq: 5 Jul 2018 12:40

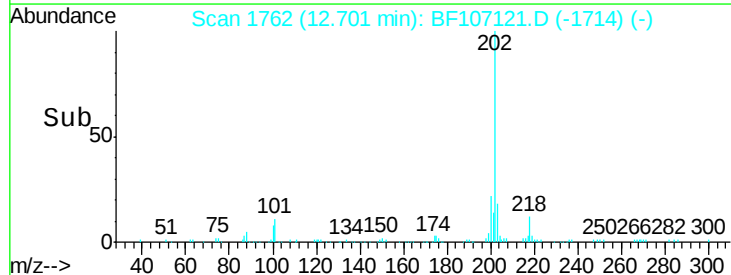
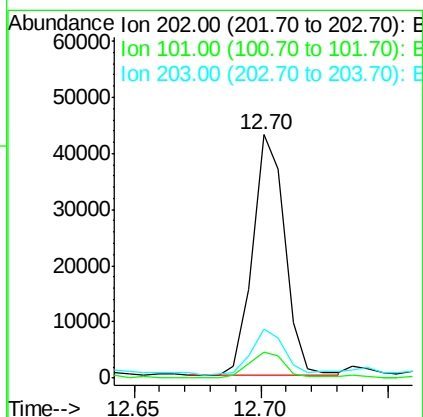
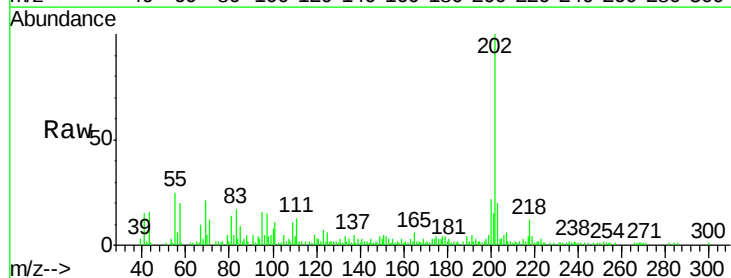
Instrument :
BNA_F
ClientSampleId :
JC-SOIL

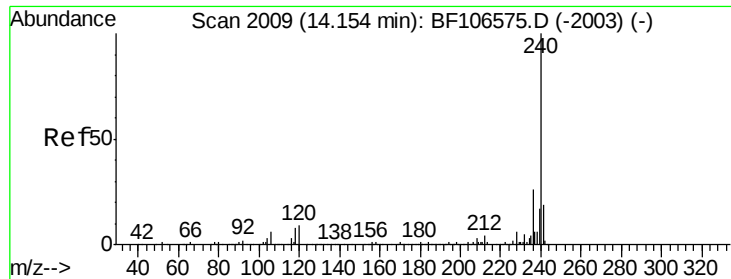
Tgt Ion:178 Resp: 24540
Ion Ratio Lower Upper
178 100
176 20.3 15.8 23.8
179 19.1 13.0 19.6



#74
Fluoranthene
Concen: 4.013 ng
RT: 12.70 min Scan# 1762
Delta R.T. -0.02 min
Lab File: BF107121.D
Acq: 5 Jul 2018 12:40

Tgt Ion:202 Resp: 38223
Ion Ratio Lower Upper
202 100
101 10.6 0.0 34.1
203 20.1 0.0 38.1

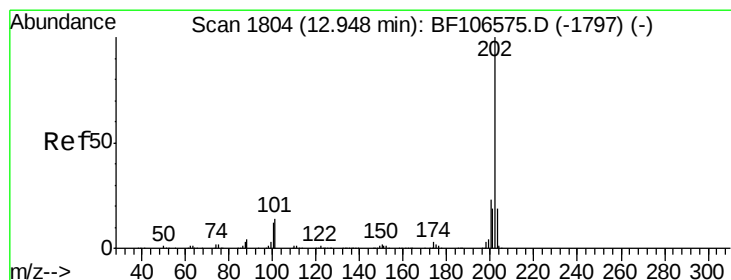
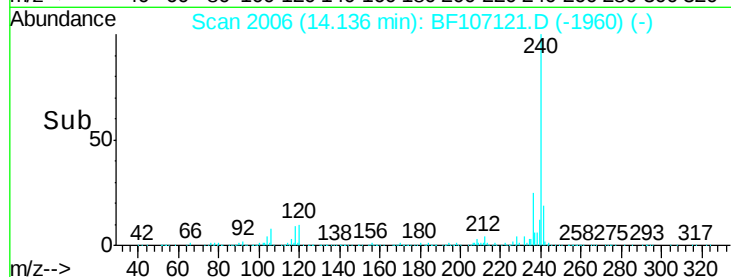
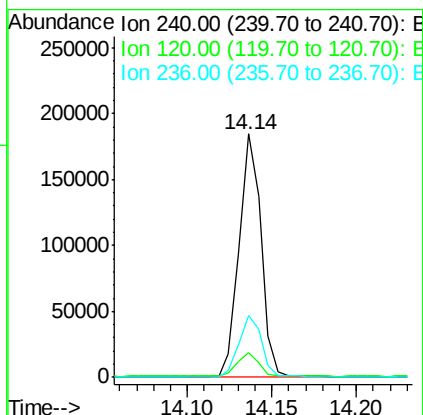
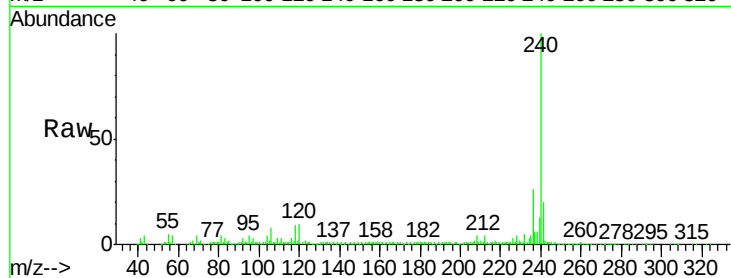




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.03 min
Lab File: BF107121.D
Acq: 5 Jul 2018 12:40

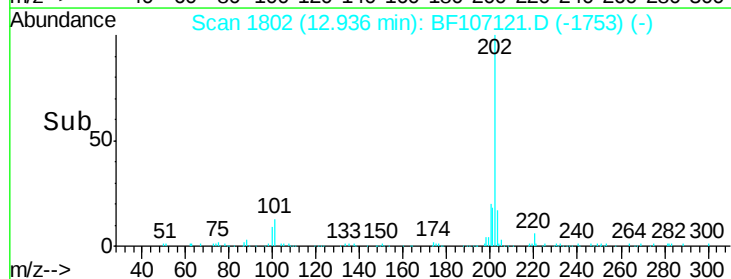
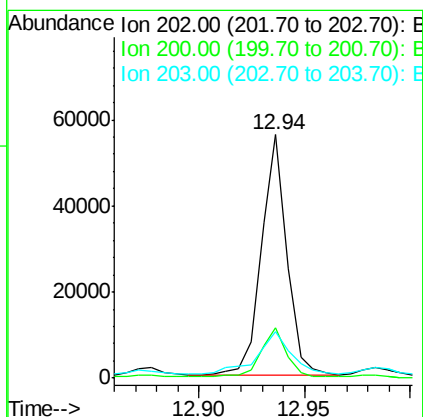
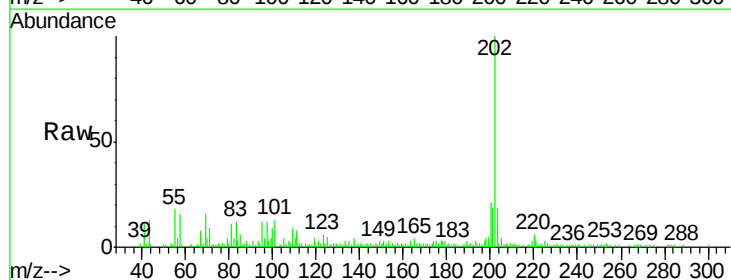
Instrument :
BNA_F
ClientSampleId :
JC-SOIL

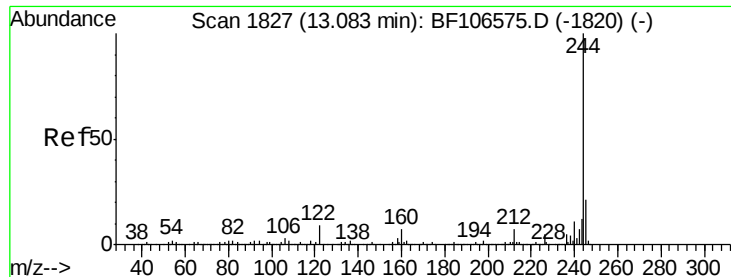
Tgt Ion:240 Resp: 166059
Ion Ratio Lower Upper
240 100
120 9.9 9.5 14.3
236 25.7 20.7 31.1



#77
Pyrene
Concen: 4.304 ng
RT: 12.94 min Scan# 1802
Delta R.T. -0.01 min
Lab File: BF107121.D
Acq: 5 Jul 2018 12:40

Tgt Ion:202 Resp: 47135
Ion Ratio Lower Upper
202 100
200 20.8 17.4 26.2
203 19.0 14.3 21.5





#78

Terphenyl-d14

Concen: 61.734 ng

RT: 13.07 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF107121.D

Acq: 5 Jul 2018 12:40

Instrument :

BNA_F

ClientSampleId :

JC-SOIL

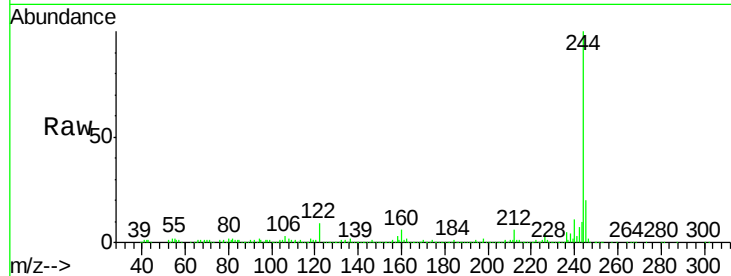
Tgt Ion:244 Resp: 423212

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

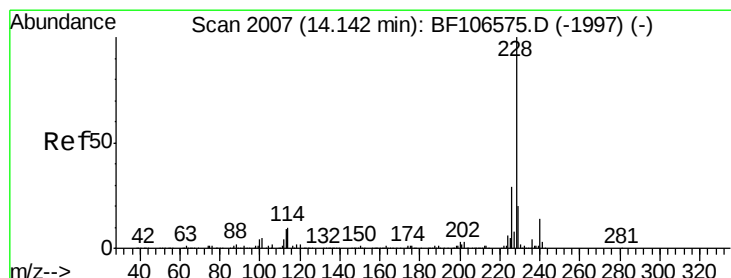
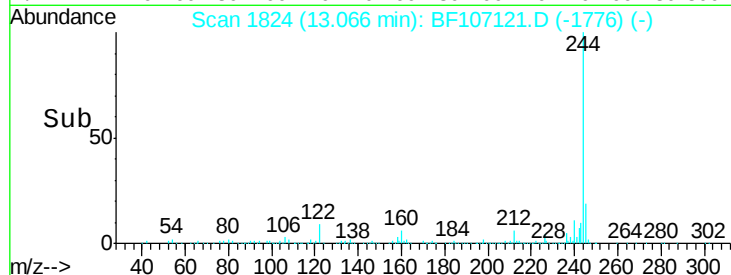
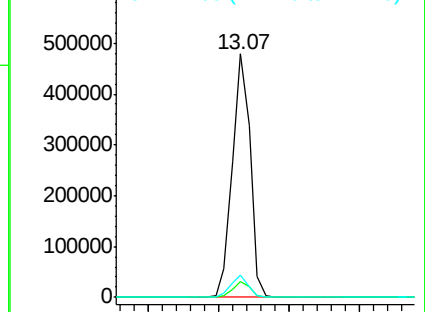
122 9.0 11.0 16.4#



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: 2.638 ng

RT: 14.12 min Scan# 2004

Delta R.T. -0.03 min

Lab File: BF107121.D

Acq: 5 Jul 2018 12:40

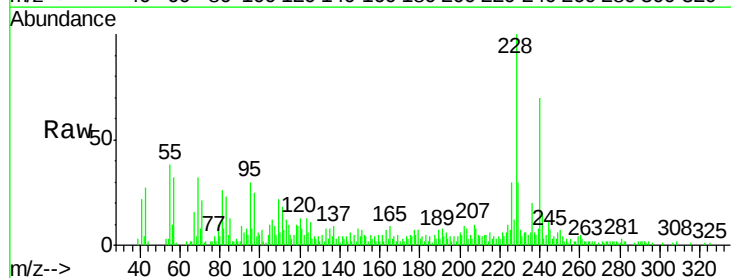
Tgt Ion:228 Resp: 26698

Ion Ratio Lower Upper

228 100

226 30.1 22.6 33.8

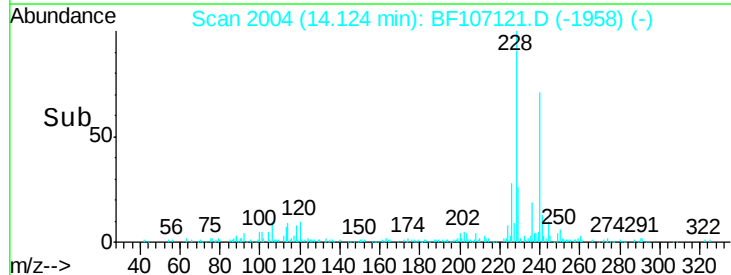
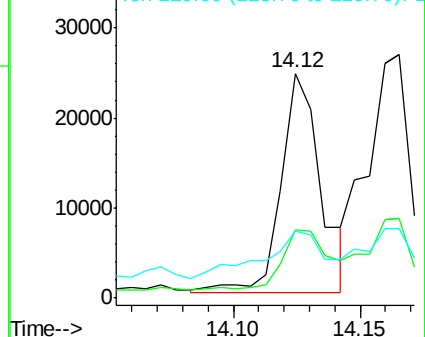
229 29.8 15.8 23.6#

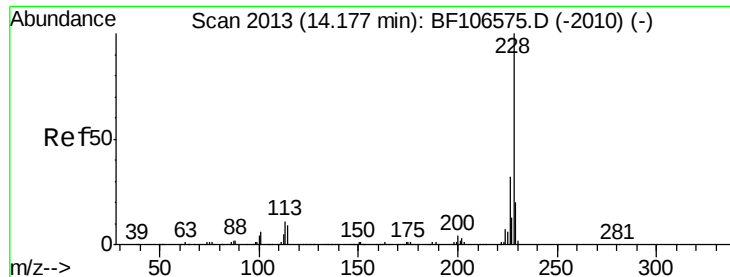


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.504 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.03 min

Lab File: BF107121.D

Acq: 5 Jul 2018 12:40

Instrument :

BNA_F

ClientSampleId :

JC-SOIL

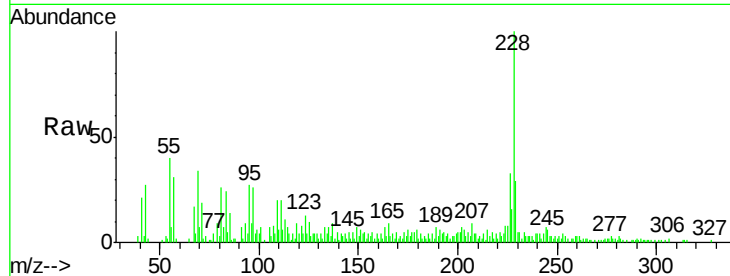
Tgt Ion:228 Resp: 32625

Ion Ratio Lower Upper

228 100

226 33.0 25.0 37.6

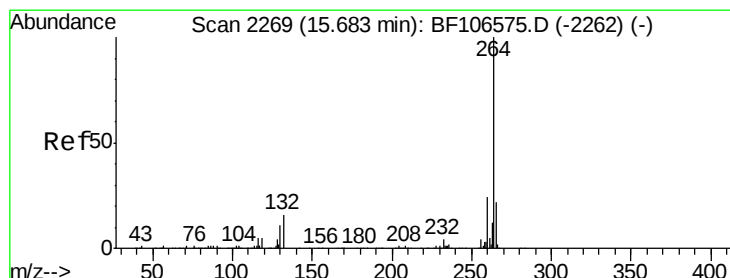
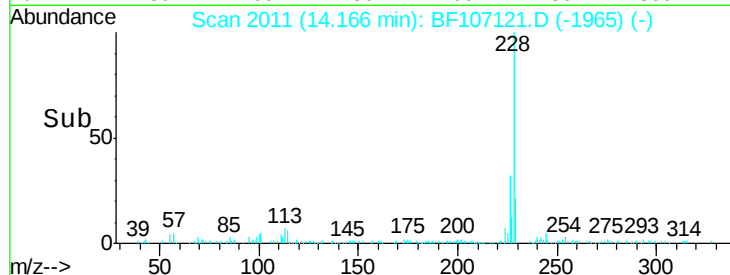
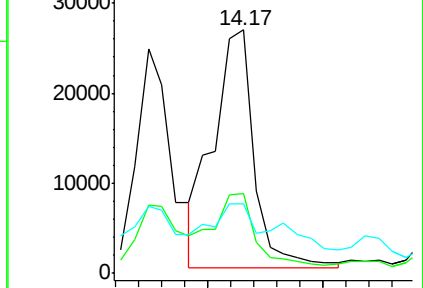
229 28.6 16.2 24.4#



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. -0.04 min

Lab File: BF107121.D

Acq: 5 Jul 2018 12:40

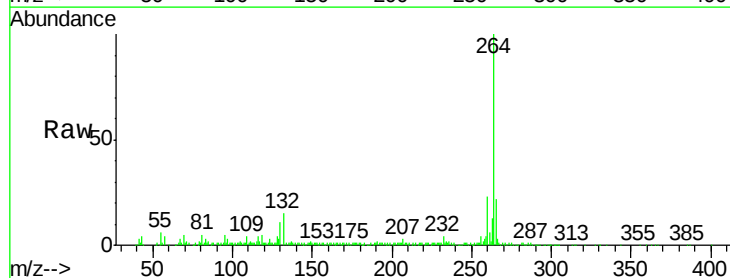
Tgt Ion:264 Resp: 184564

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

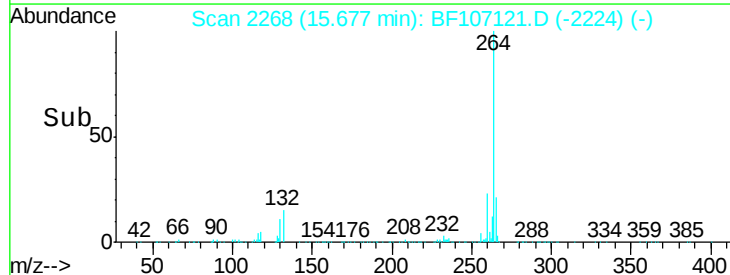
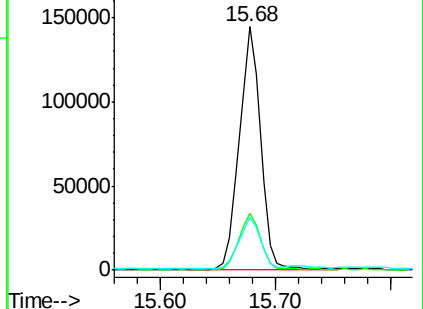
265 21.6 17.5 26.3

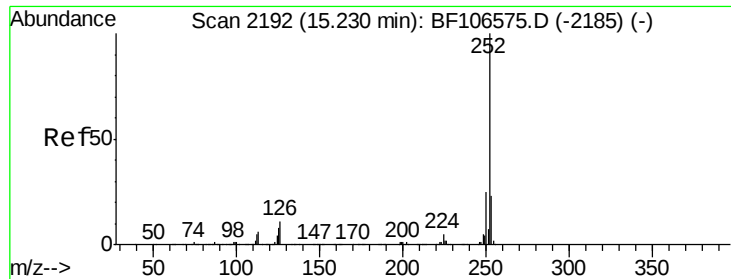


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

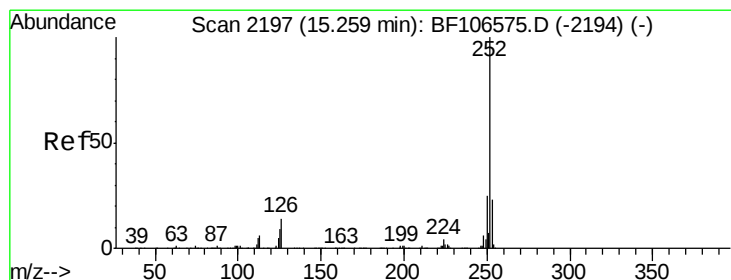
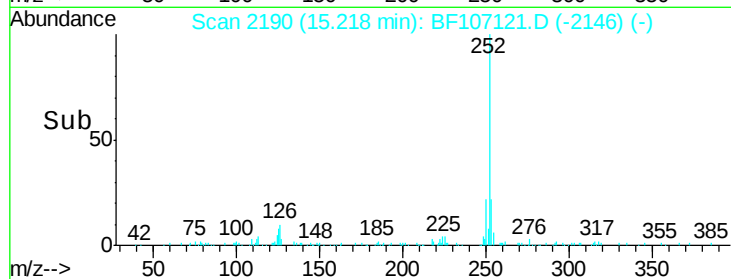
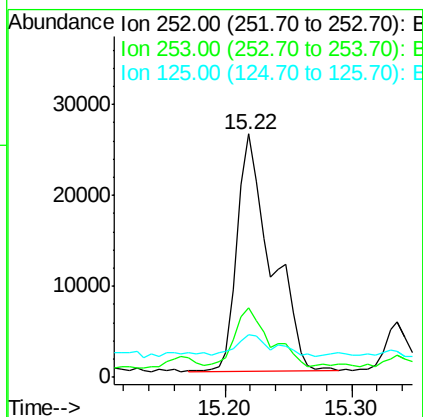
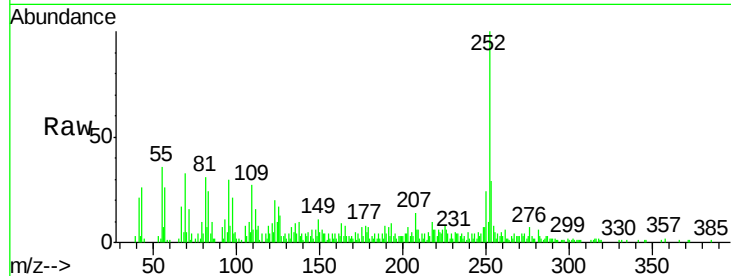




#87
Benzo(b)fluoranthene
Concen: 4.224 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF107121.D
Acq: 5 Jul 2018 12:40

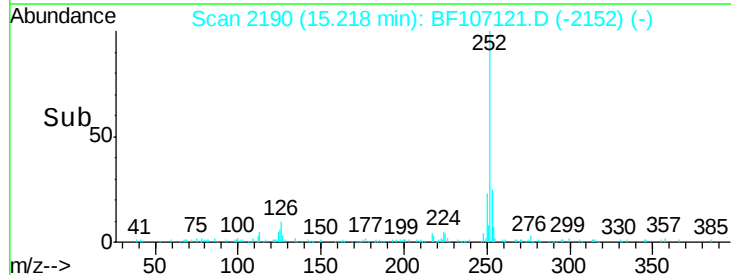
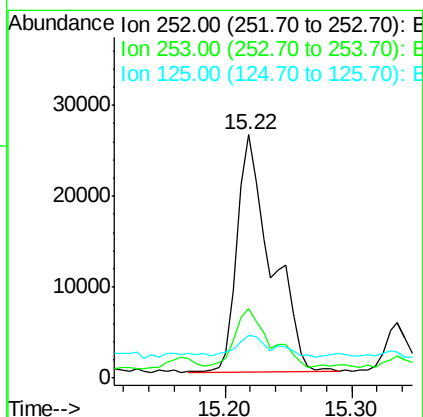
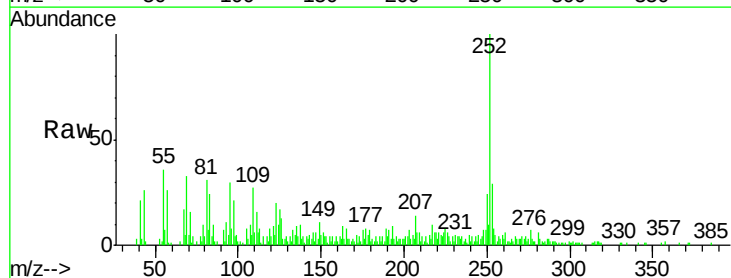
Instrument :
BNA_F
ClientSampleId :
JC-SOIL

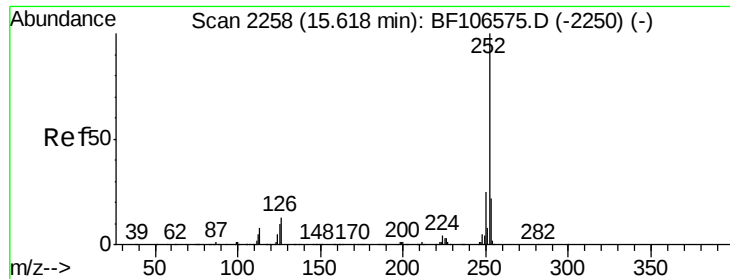
Tgt Ion:252 Resp: 48424
Ion Ratio Lower Upper
252 100
253 28.8 17.0 25.6#
125 17.4 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 4.435 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.08 min
Lab File: BF107121.D
Acq: 5 Jul 2018 12:40

Tgt Ion:252 Resp: 48424
Ion Ratio Lower Upper
252 100
253 28.8 17.9 26.9#
125 17.4 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 2.758 ng

RT: 15.61 min Scan# 2257

Delta R.T. -0.04 min

Lab File: BF107121.D

Acq: 5 Jul 2018 12:40

Instrument :

BNA_F

ClientSampleId :

JC-SOIL

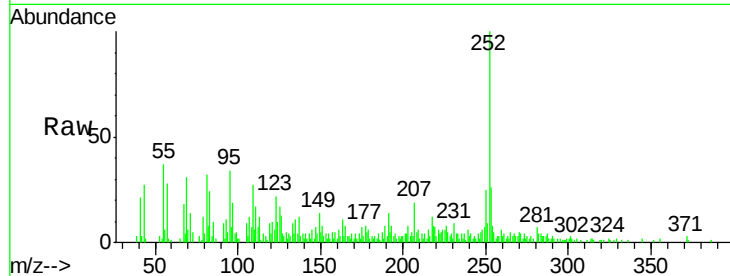
Tgt Ion:252 Resp: 28108

Ion Ratio Lower Upper

252 100

253 25.7 17.1 25.7

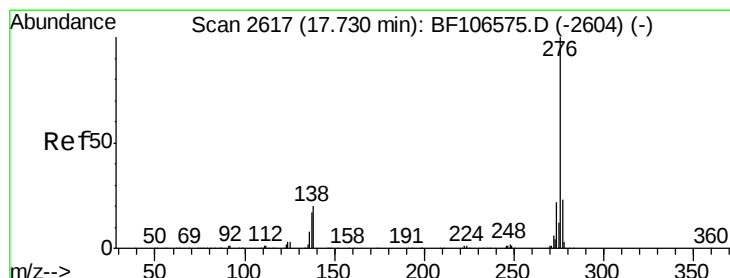
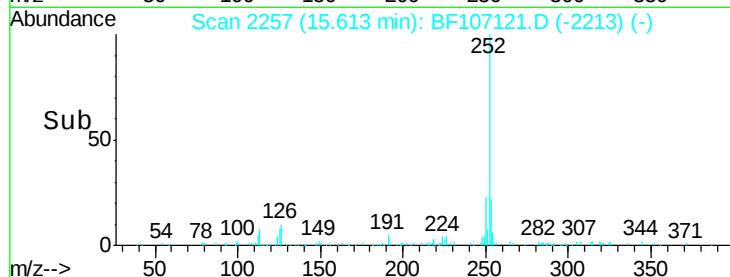
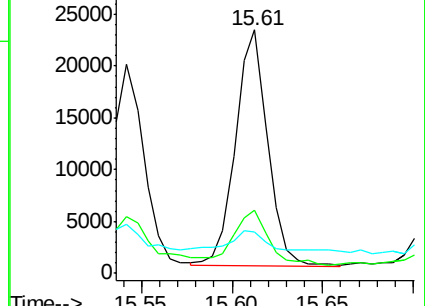
125 17.2 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.472 ng

RT: 17.74 min Scan# 2619

Delta R.T. -0.05 min

Lab File: BF107121.D

Acq: 5 Jul 2018 12:40

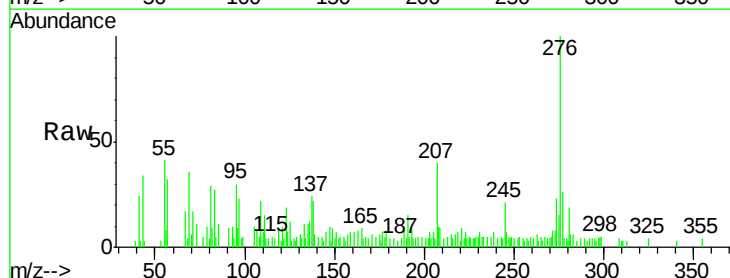
Tgt Ion:276 Resp: 20870

Ion Ratio Lower Upper

276 100

277 25.5 17.9 26.9

138 21.6 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

