

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070618\
 Data File : BF107180.D
 Acq On : 6 Jul 2018 18:34
 Operator : JU/SJ
 Sample : J3852-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HC-SOIL-1

Quant Time: Jul 06 19:16:58 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

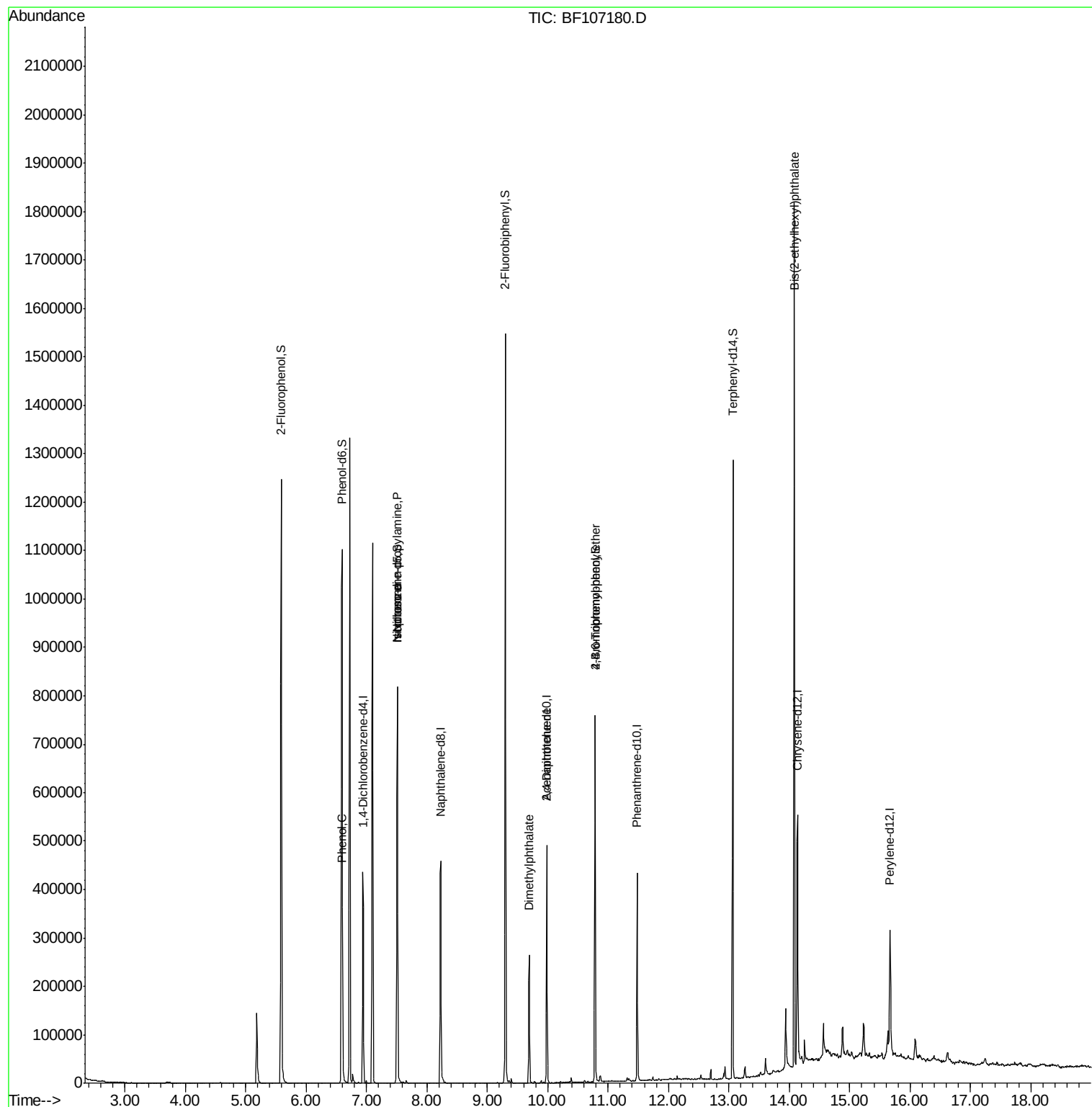
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	64355	20.00	ng	-0.02
21) Naphthalene-d8	8.23	136	244155	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	108876	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	174664	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	180420	20.00	ng	-0.03
86) Perylene-d12	15.67	264	139122	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	359907	94.70	ng	-0.01
7) Phenol-d6	6.60	99	451277	95.08	ng	-0.02
23) Nitrobenzene-d5	7.51	82	280970	63.95	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	106645	84.51	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	498662	75.95	ng	-0.02
78) Terphenyl-d14	13.07	244	465011	62.43	ng	-0.02
Target Compounds						
10) Phenol	6.61	94	11544	2.131	ng	95
19) n-Nitroso-di-n-propylamine	7.51	70	36485	11.662	ng	# 73
25) Isophorone	7.51	82	280966	36.292	ng	# 64
49) Dimethylphthalate	9.70	163	114761	14.054	ng	99
56) 2,4-Dinitrotoluene	9.98	165	13629	6.039	ng	# 21
66) 4-Bromophenyl-phenylether	10.78	248	6421	3.080	ng	# 1
83) Bis(2-ethylhexyl)phthalate	14.08	149	537476	85.944	ng	# 95

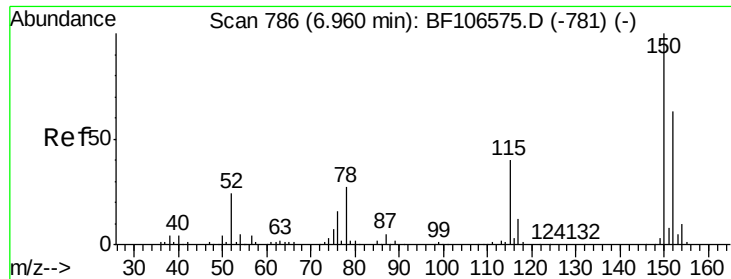
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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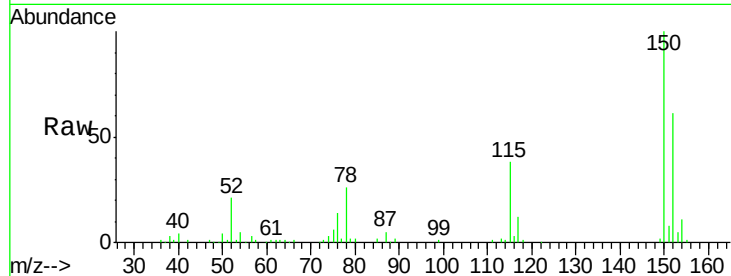


#1

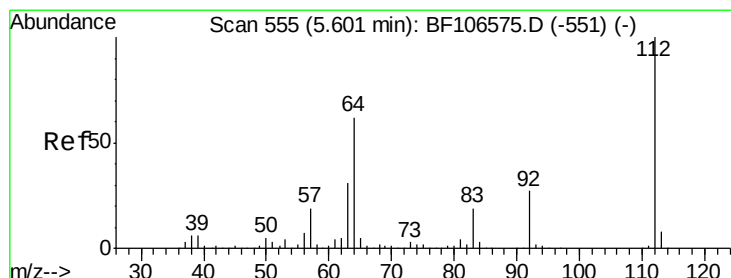
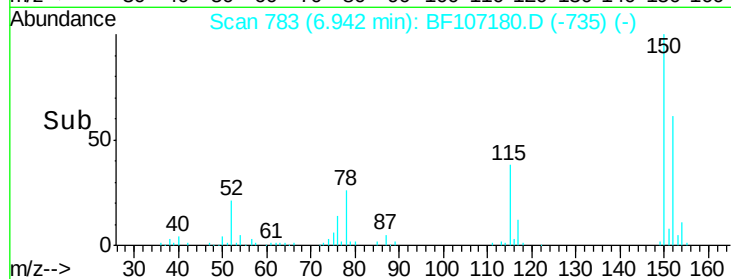
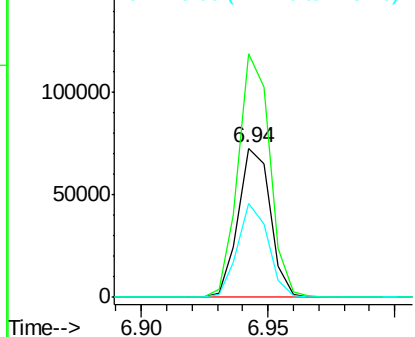
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF107180.D
Acq: 6 Jul 2018 18:34

Instrument :
BNA_F
ClientSampleId :
HC-SOIL-1

Tgt Ion:152 Resp: 64355
Ion Ratio Lower Upper
152 100
150 163.1 124.6 186.8
115 62.8 50.1 75.1



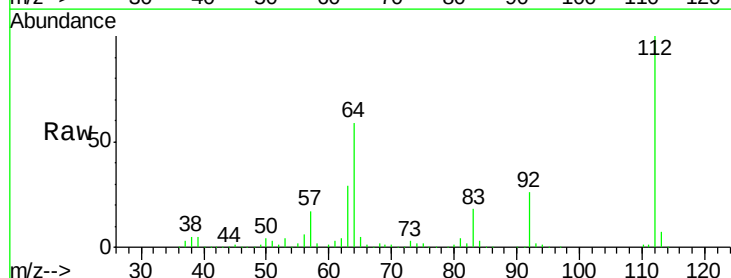
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



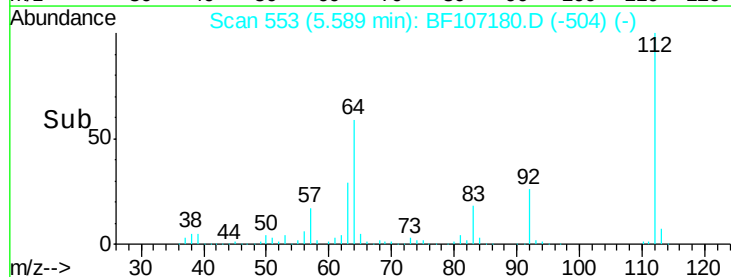
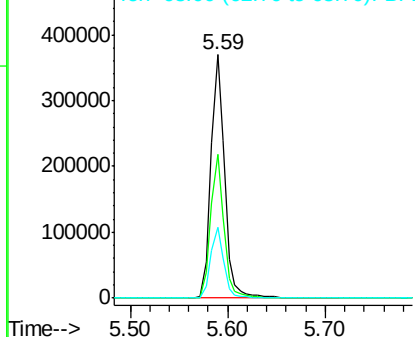
#5

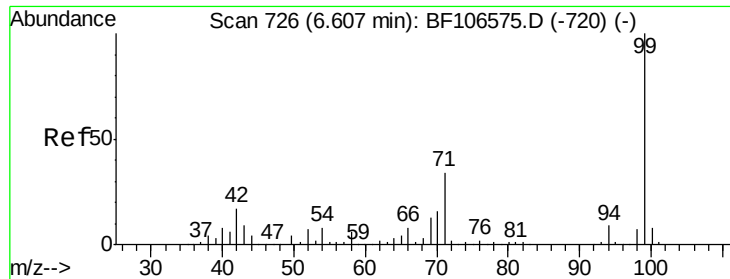
2-Fluorophenol
Concen: 94.699 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107180.D
Acq: 6 Jul 2018 18:34

Tgt Ion:112 Resp: 359907
Ion Ratio Lower Upper
112 100
64 58.8 47.9 71.9
63 29.2 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: 95.083 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107180.D

Acq: 6 Jul 2018 18:34

Instrument :

BNA_F

ClientSampled :

HC-SOIL-1

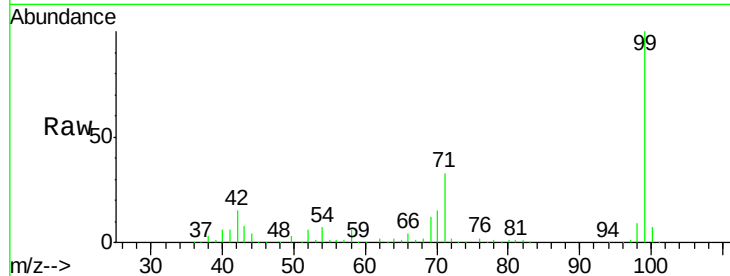
Tgt Ion: 99 Resp: 451277

Ion Ratio Lower Upper

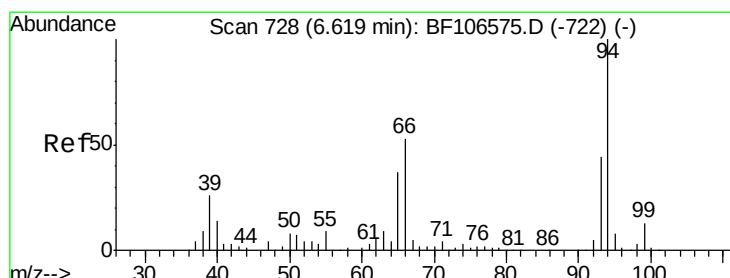
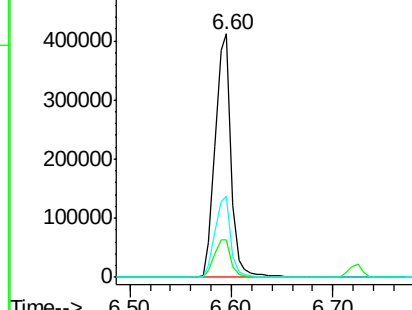
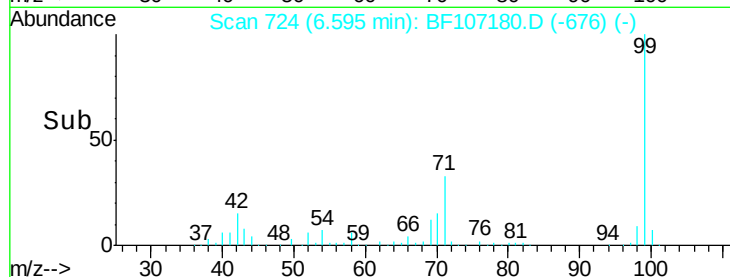
99 100

42 15.4 14.5 21.7

71 33.2 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: 2.131 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF107180.D

Acq: 6 Jul 2018 18:34

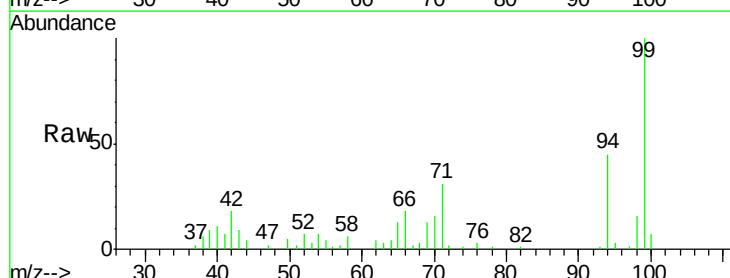
Tgt Ion: 94 Resp: 11544

Ion Ratio Lower Upper

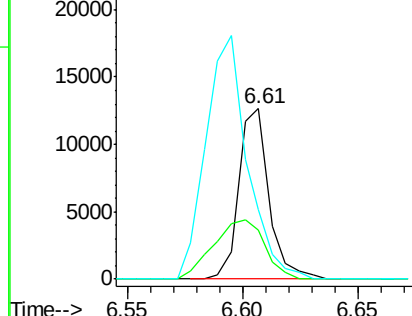
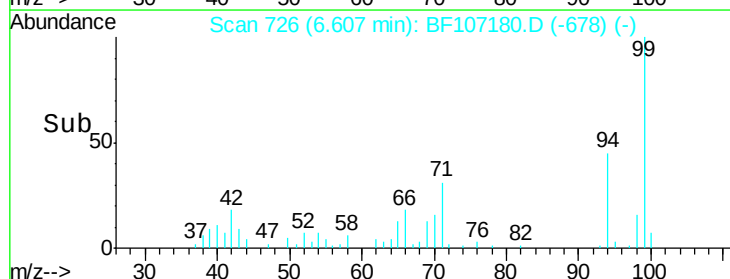
94 100

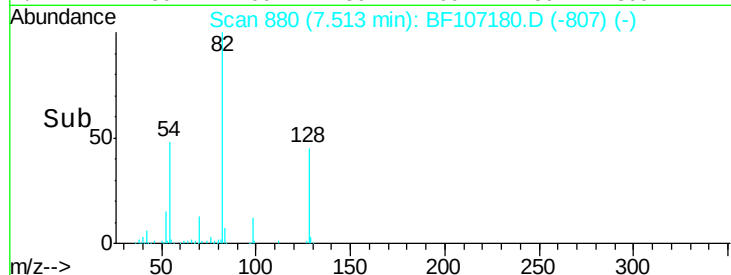
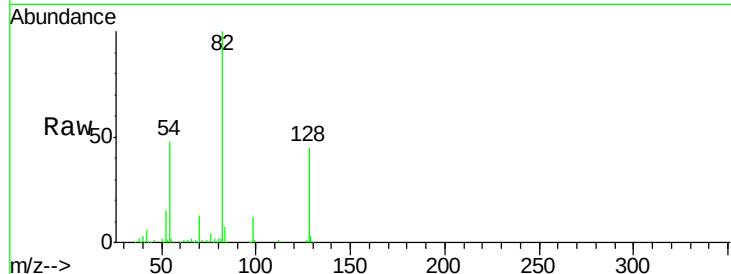
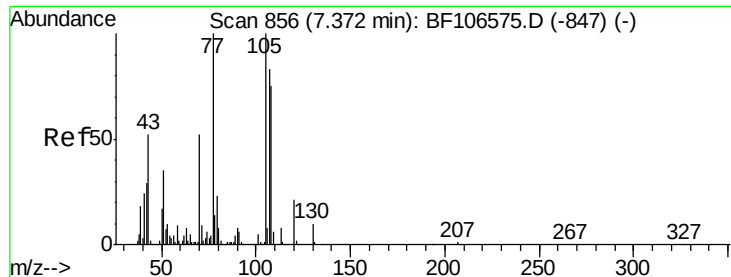
65 28.6 7.9 47.9

66 41.2 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

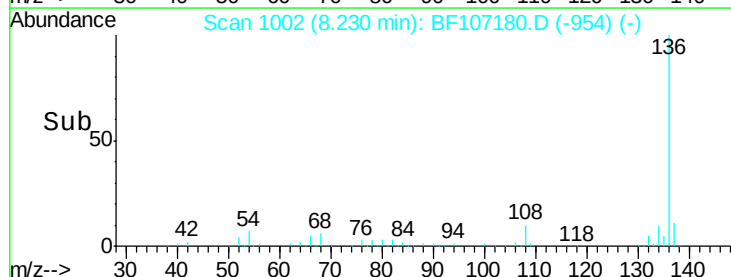
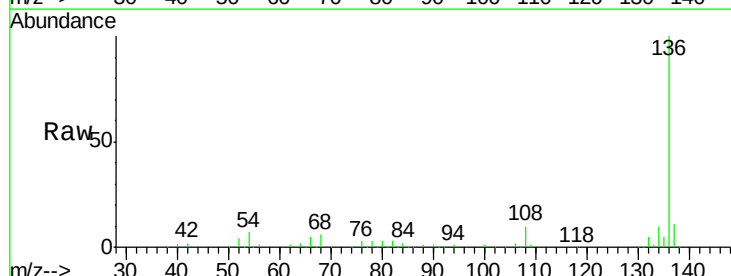
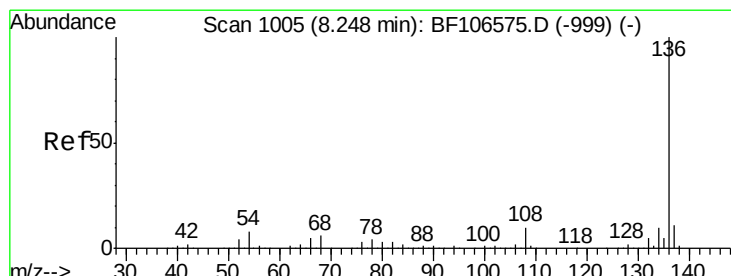
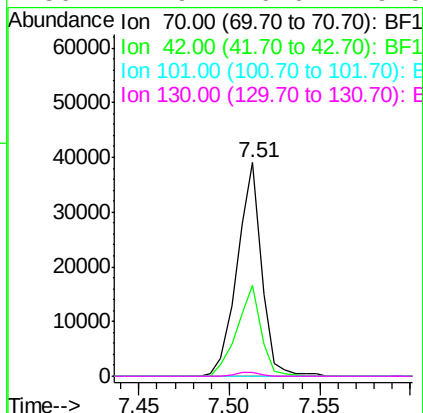




#19
n-Nitroso-di-n-propylamine
Concen: 11.662 ng
RT: 7.51 min Scan# 880
Delta R.T. 0.13 min
Lab File: BF107180.D
Acq: 6 Jul 2018 18:34

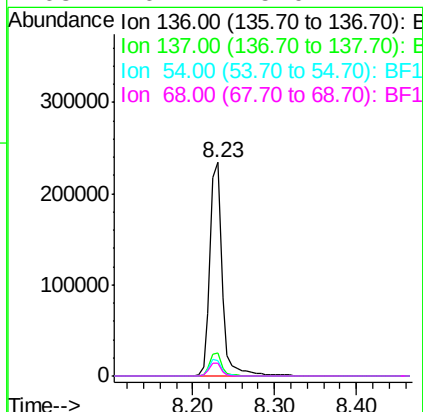
Instrument :
BNA_F
ClientSampleId :
HC-SOIL-1

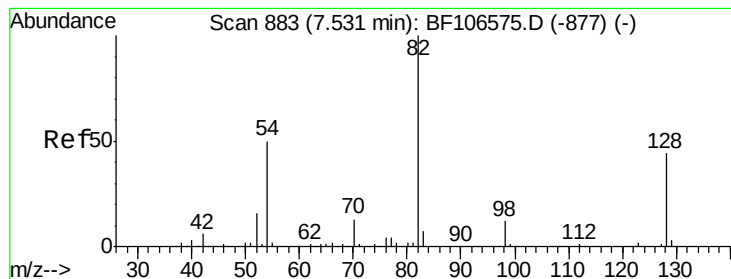
Tgt Ion: 70 Resp: 36485
Ion Ratio Lower Upper
70 100
42 42.6 47.5 71.3#
101 0.0 7.4 11.2#
130 1.9 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107180.D
Acq: 6 Jul 2018 18:34

Tgt Ion: 136 Resp: 244155
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.4 6.6 9.8
68 6.2 5.0 7.4





#23

Nitrobenzene-d5

Concen: 63.953 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF107180.D

Acq: 6 Jul 2018 18:34

Instrument :

BNA_F

ClientSampleId :

HC-SOIL-1

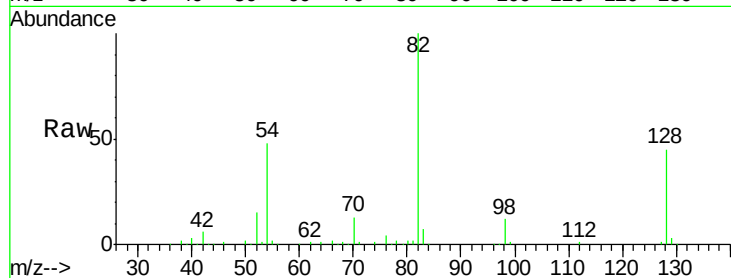
Tgt Ion: 82 Resp: 280970

Ion Ratio Lower Upper

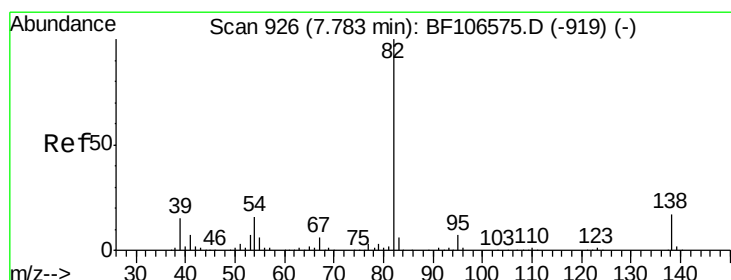
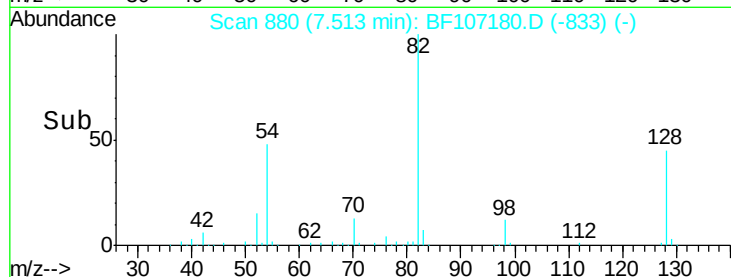
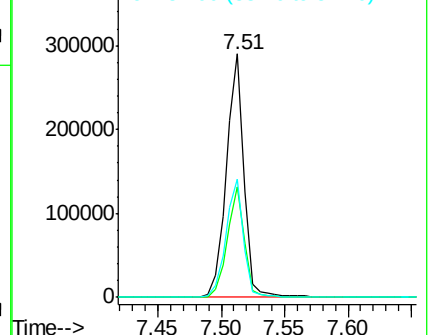
82 100

128 45.4 36.1 54.1

54 48.4 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: 36.292 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107180.D

Acq: 6 Jul 2018 18:34

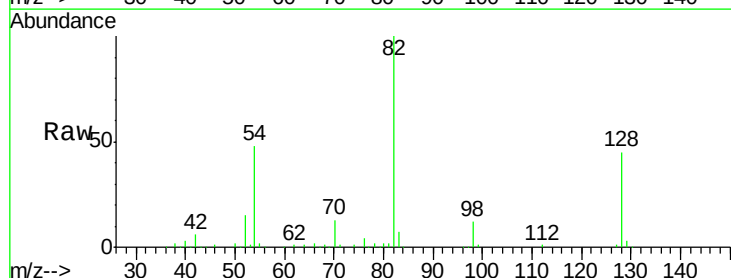
Tgt Ion: 82 Resp: 280966

Ion Ratio Lower Upper

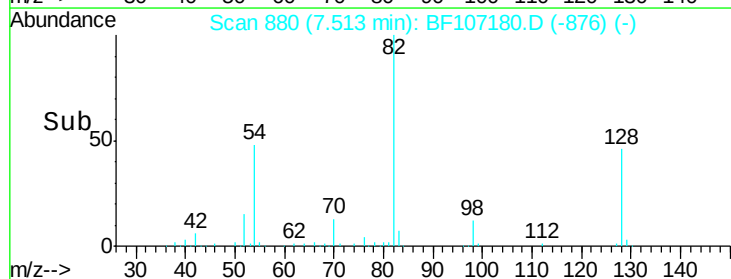
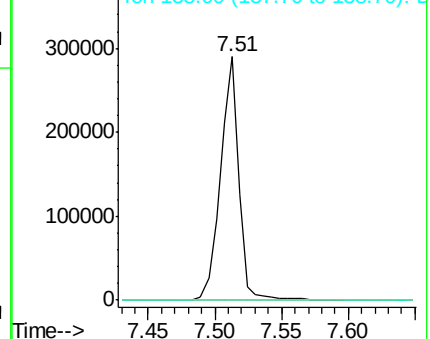
82 100

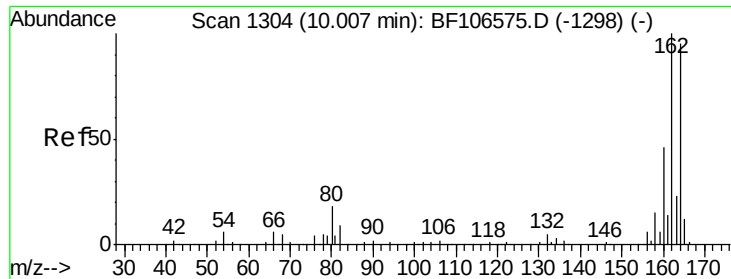
95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

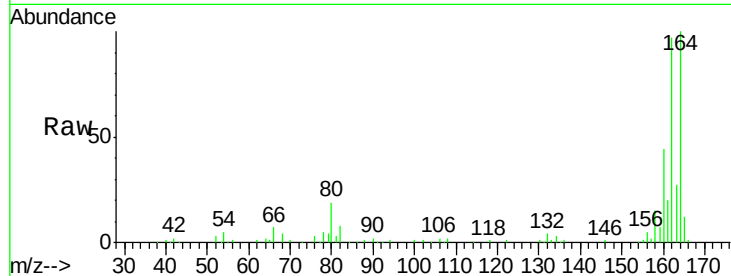




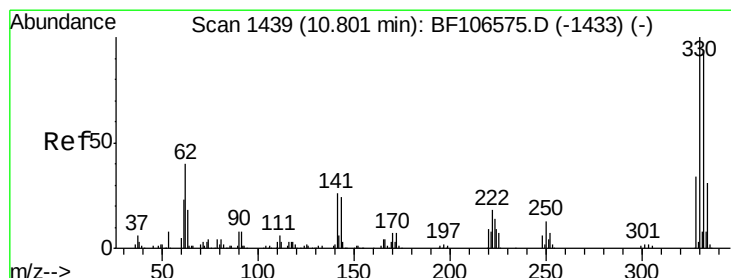
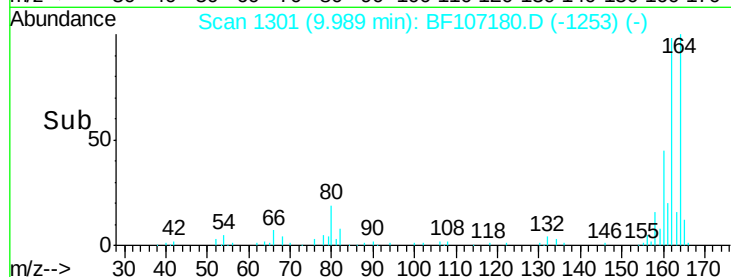
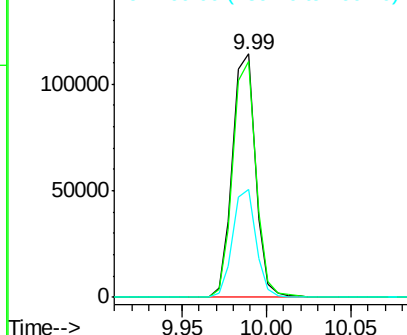
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107180.D
 Acq: 6 Jul 2018 18:34

Instrument :
 BNA_F
 ClientSampleId :
 HC-SOIL-1

Tgt Ion:164 Resp: 108876
 Ion Ratio Lower Upper
 164 100
 162 96.7 86.1 129.1
 160 44.4 38.3 57.5

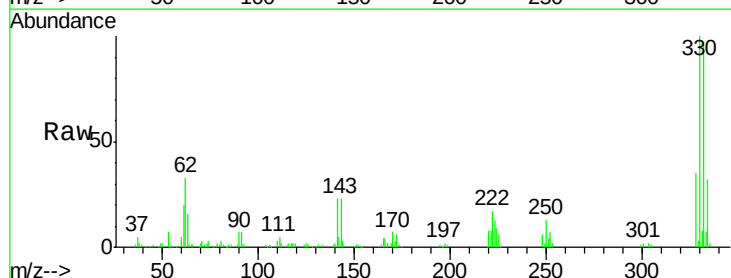


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

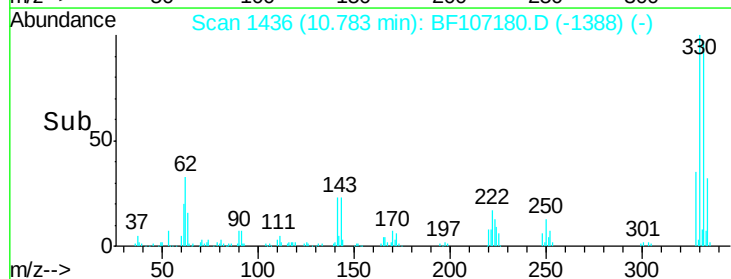
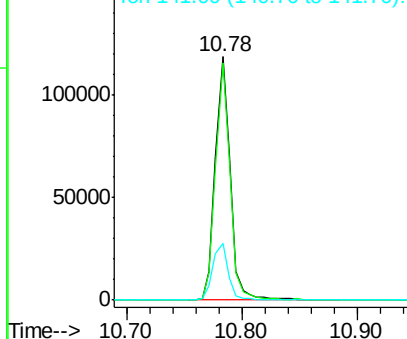


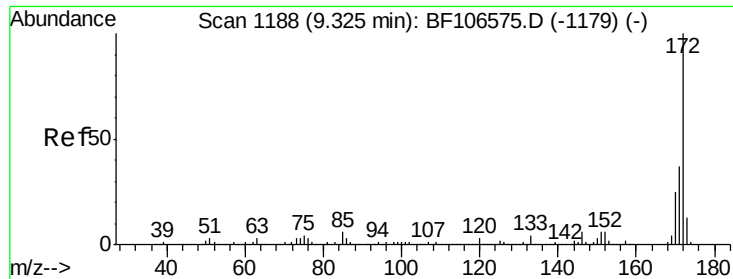
#41
 2,4,6-Tribromophenol
 Concen: 84.511 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF107180.D
 Acq: 6 Jul 2018 18:34

Tgt Ion:330 Resp: 106645
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.0 115.6
 141 23.9 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

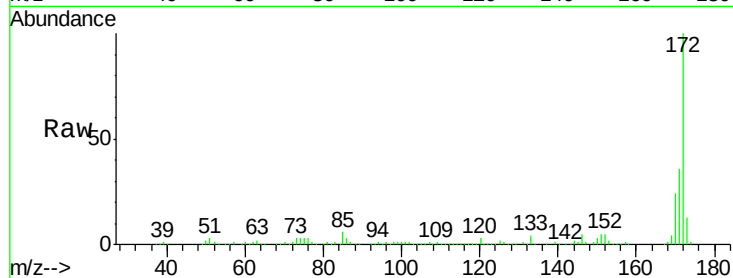




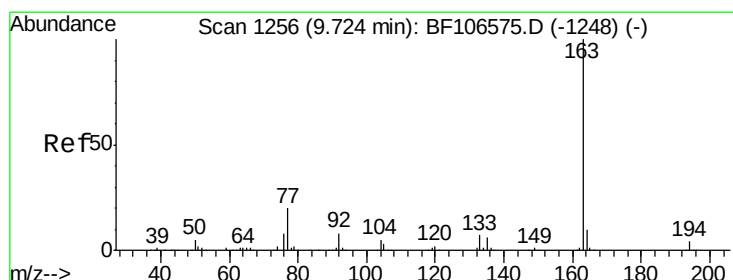
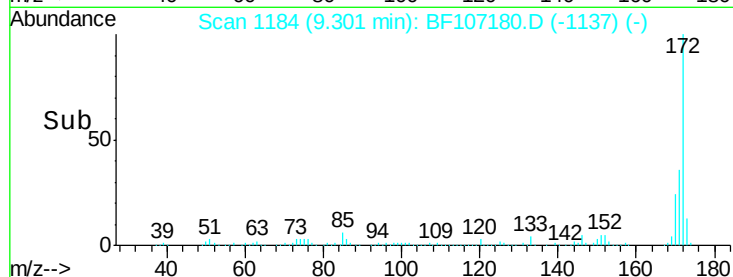
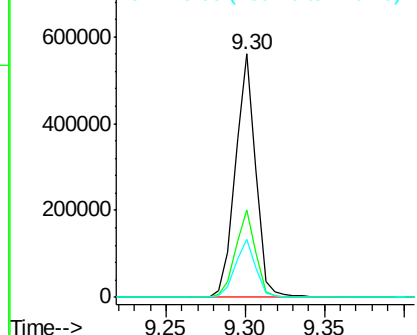
#44
2-Fluorobiphenyl
Concen: 75.954 ng
RT: 9.30 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF107180.D
Acq: 6 Jul 2018 18:34

Instrument :
BNA_F
ClientSampleId :
HC-SOIL-1

Tgt Ion:172 Resp: 498662
Ion Ratio Lower Upper
172 100
171 35.7 29.7 44.5
170 24.0 19.6 29.4

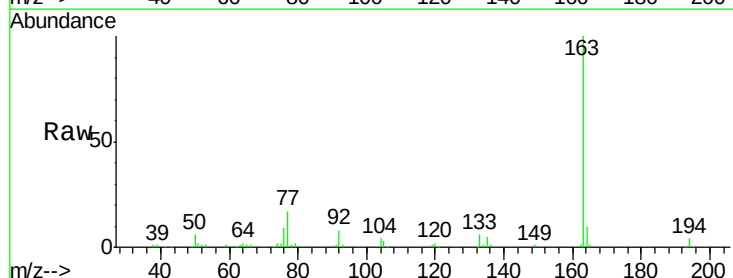


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

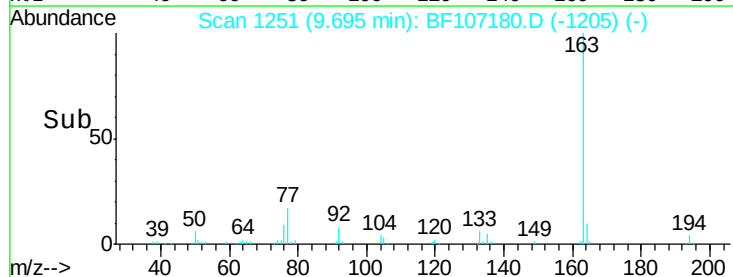
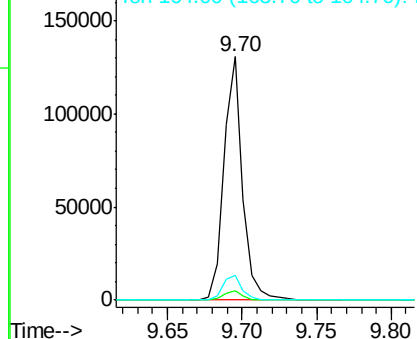


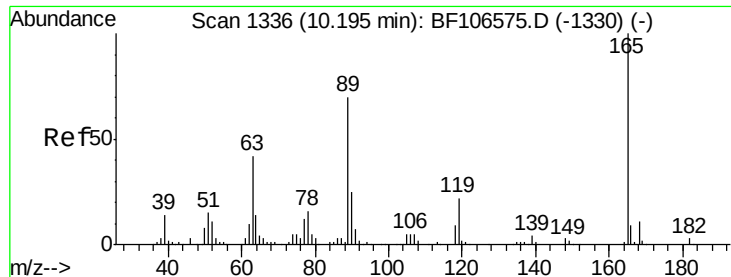
#49
Dimethylphthalate
Concen: 14.054 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107180.D
Acq: 6 Jul 2018 18:34

Tgt Ion:163 Resp: 114761
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 10.4 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

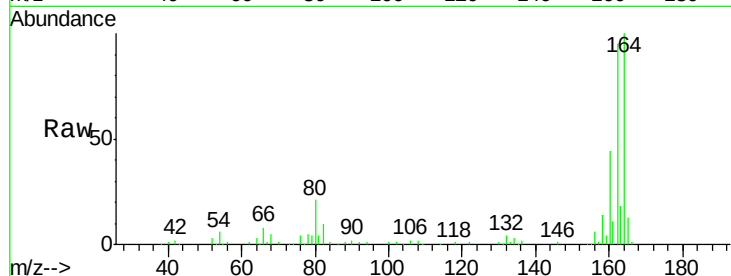




#56
 2,4-Dinitrotoluene
 Concen: 6.039 ng
 RT: 9.98 min Scan# 1300
 Delta R.T. -0.22 min
 Lab File: BF107180.D
 Acq: 6 Jul 2018 18:34

Instrument :
 BNA_F
 ClientSampleId :
 HC-SOIL-1

Tgt Ion:	165	Resp:	13629
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

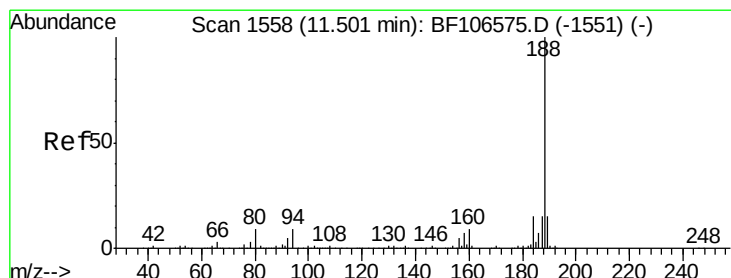
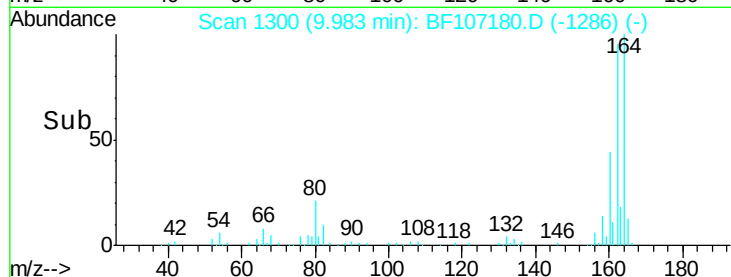
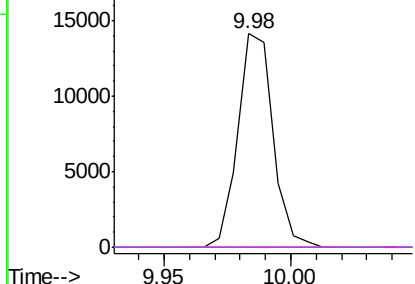


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

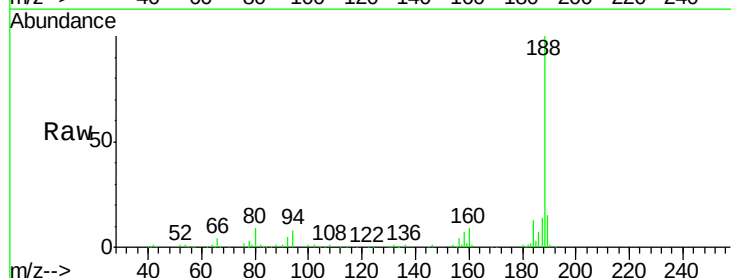
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1555
 Delta R.T. -0.02 min
 Lab File: BF107180.D
 Acq: 6 Jul 2018 18:34

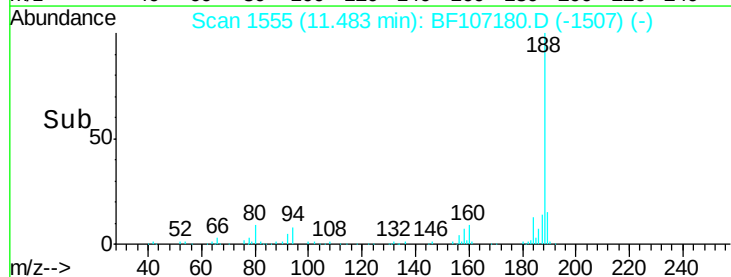
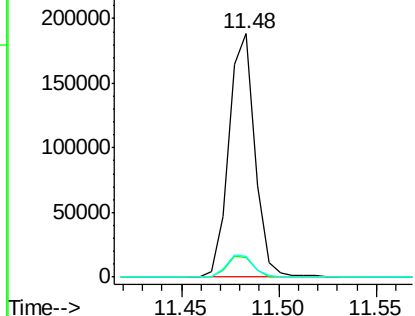
Tgt Ion:	188	Resp:	174664
Ion	Ratio	Lower	Upper
188	100		
94	7.9	8.5	12.7#
80	8.8	9.2	13.8#

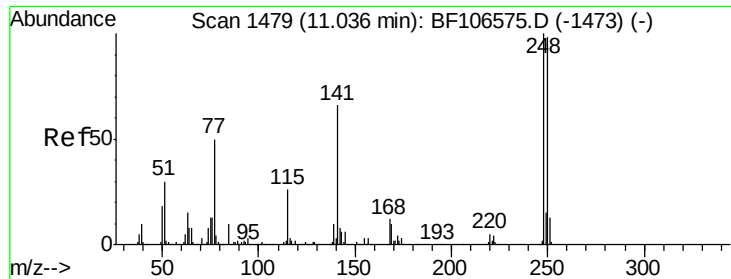


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

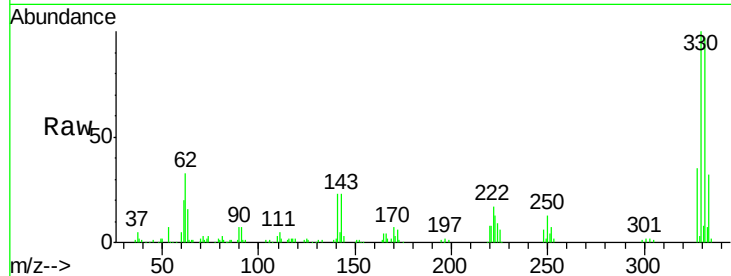




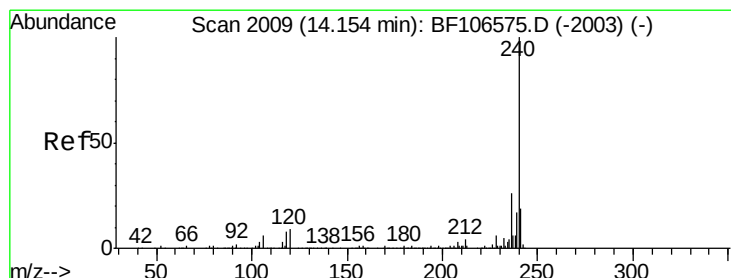
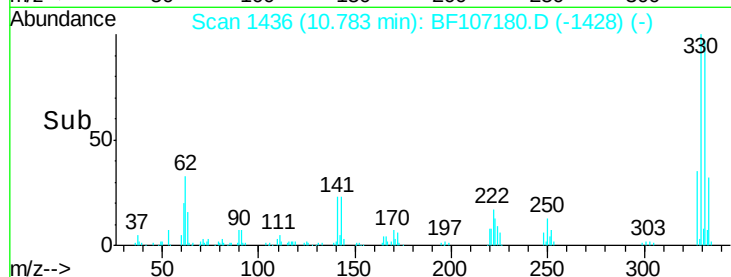
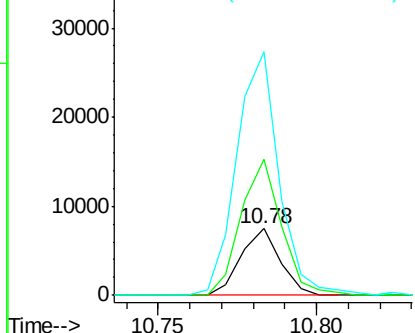
#66
4-Bromophenyl-phenylether
Concen: 3.080 ng
RT: 10.78 min Scan# 1436
Delta R.T. -0.25 min
Lab File: BF107180.D
Acq: 6 Jul 2018 18:34

Instrument :
BNA_F
ClientSampleId :
HC-SOIL-1

Tgt Ion:248 Resp: 6421
Ion Ratio Lower Upper
248 100
250 204.9 76.9 115.3#
141 366.1 74.4 111.6#

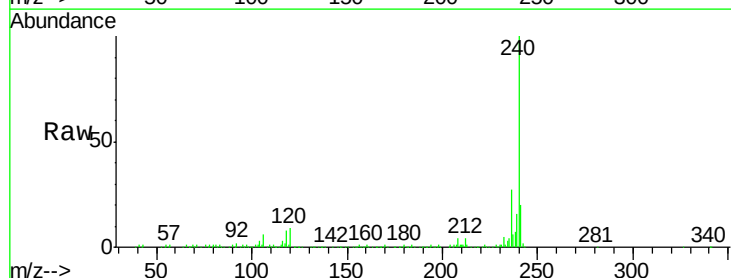


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

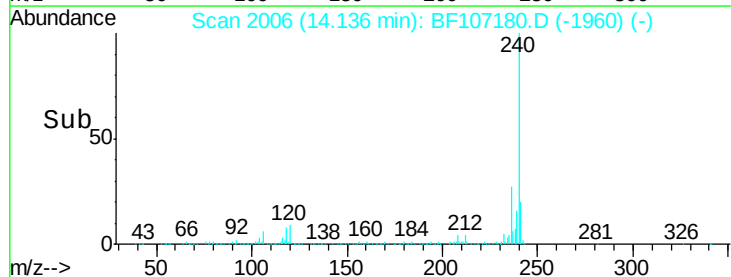
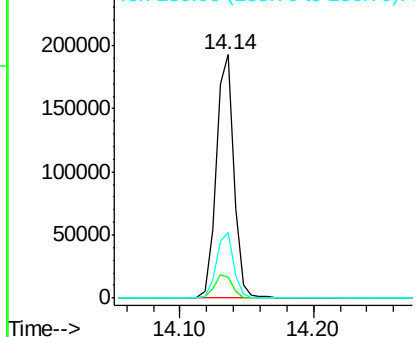


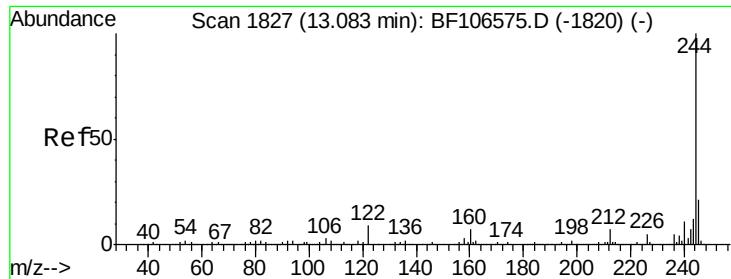
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.03 min
Lab File: BF107180.D
Acq: 6 Jul 2018 18:34

Tgt Ion:240 Resp: 180420
Ion Ratio Lower Upper
240 100
120 8.7 9.5 14.3#
236 26.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 62.432 ng

RT: 13.07 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF107180.D

Acq: 6 Jul 2018 18:34

Instrument :

BNA_F

ClientSampleId :

HC-SOIL-1

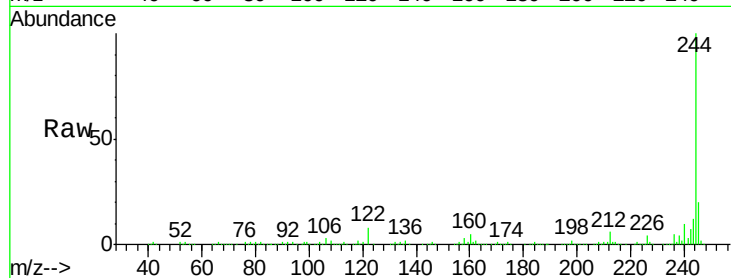
Tgt Ion:244 Resp: 465011

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

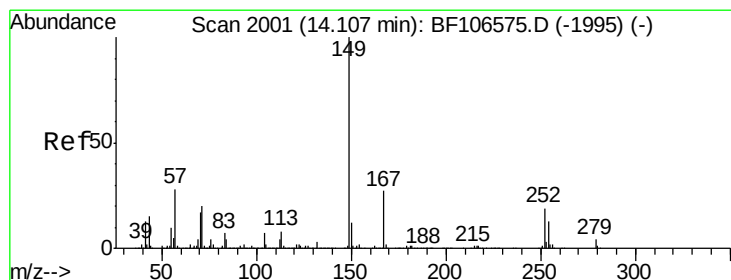
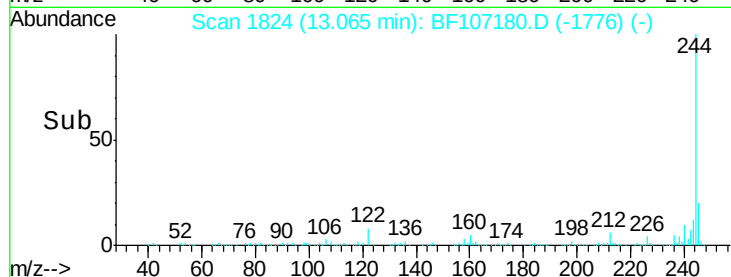
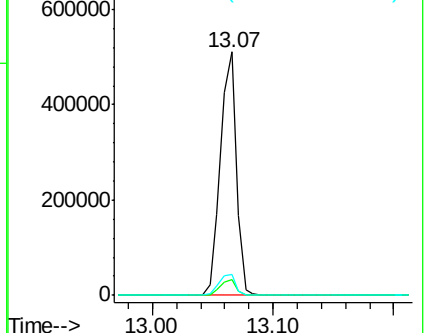
122 8.4 11.0 16.4#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 85.944 ng

RT: 14.08 min Scan# 1997

Delta R.T. -0.03 min

Lab File: BF107180.D

Acq: 6 Jul 2018 18:34

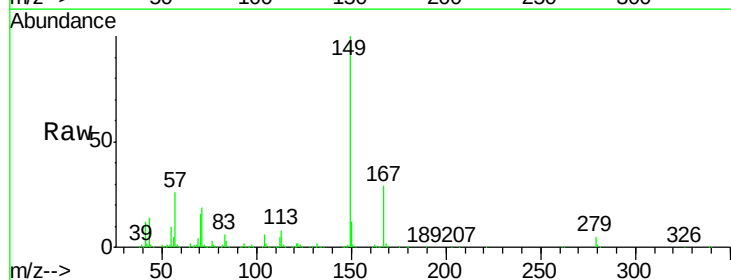
Tgt Ion:149 Resp: 537476

Ion Ratio Lower Upper

149 100

167 29.3 21.3 31.9

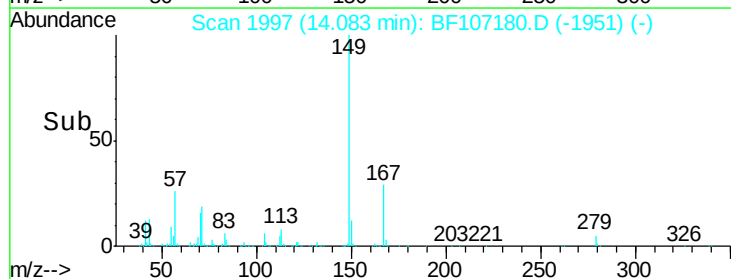
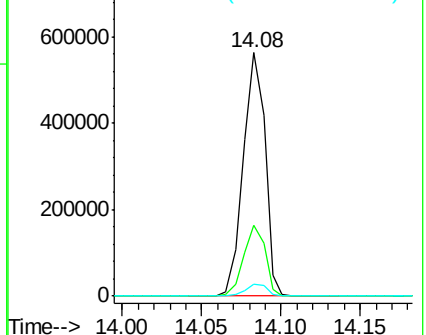
279 5.0 3.0 4.4#

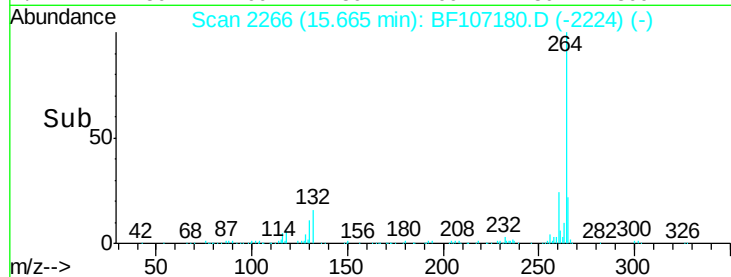
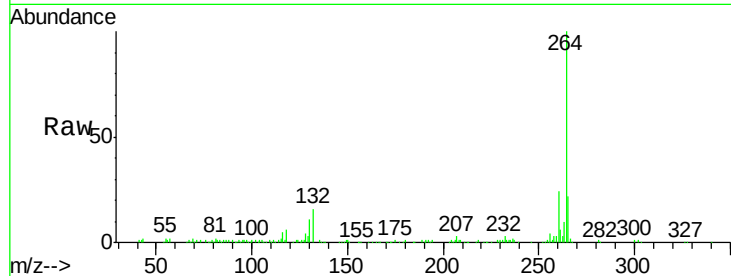
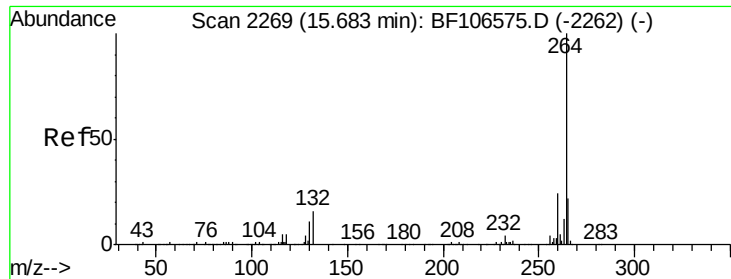


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2266

Delta R.T. -0.05 min

Lab File: BF107180.D

Acq: 6 Jul 2018 18:34

Instrument :

BNA_F

ClientSampleId :

HC-SOIL-1

Tgt Ion: 264 Resp: 139122

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.6 17.5 26.3

