

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070618\
 Data File : BF107181.D
 Acq On : 6 Jul 2018 19:00
 Operator : JU/SJ
 Sample : J3852-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HC-SOIL-2

Quant Time: Jul 06 22:55:16 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

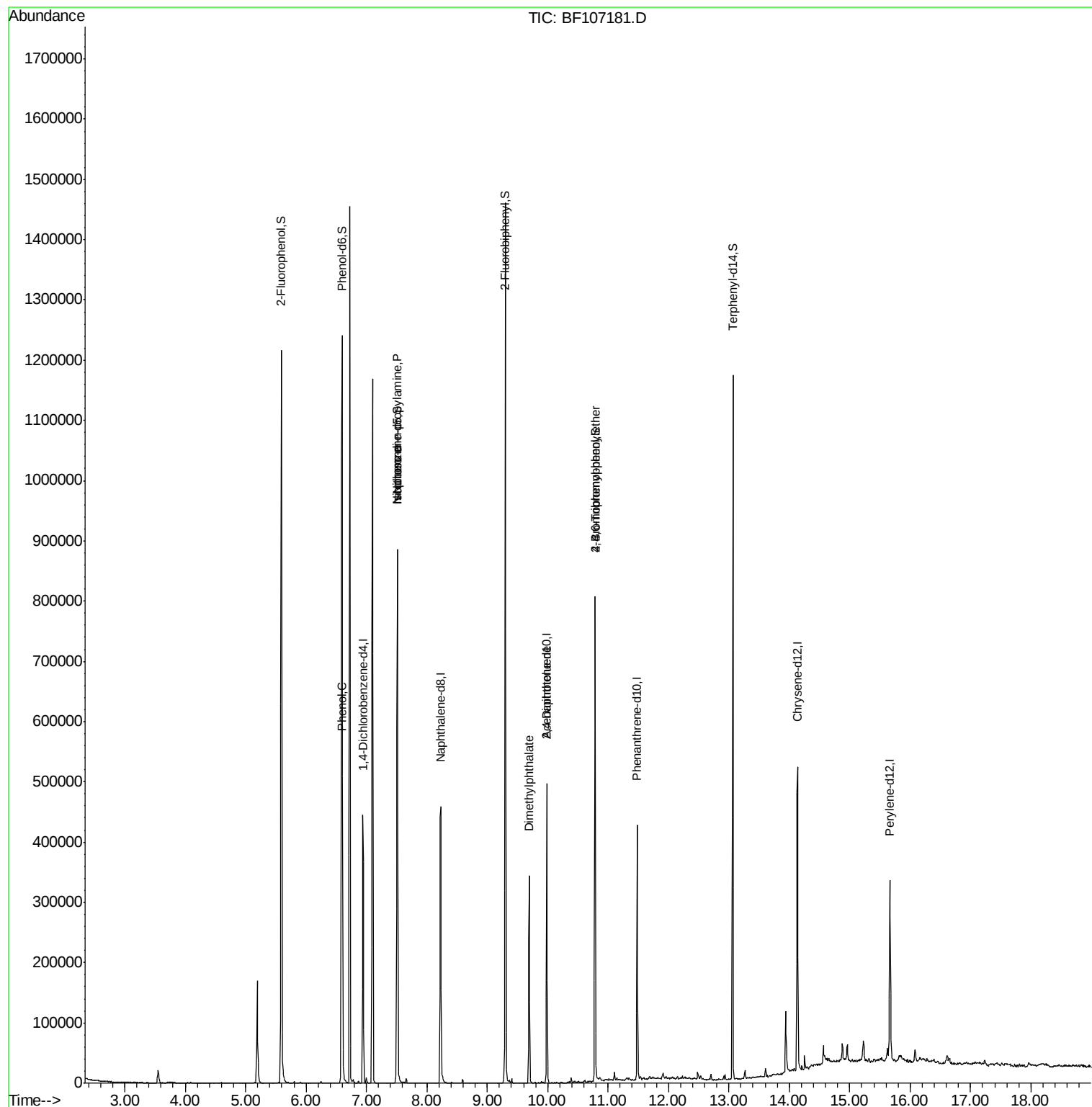
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	65780	20.00	ng	-0.02
21) Naphthalene-d8	8.23	136	246218	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	105965	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	171660	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	189786	20.00	ng	-0.03
86) Perylene-d12	15.67	264	146548	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	398711	102.64	ng	0.00
7) Phenol-d6	6.60	99	497027	102.45	ng	-0.02
23) Nitrobenzene-d5	7.51	82	309308	69.81	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	117926	96.02	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	481965	75.30	ng	-0.02
78) Terphenyl-d14	13.07	244	437205	55.80	ng	-0.02
Target Compounds						
10) Phenol	6.61	94	13553	2.448	ng	94
19) n-Nitroso-di-n-propylamine	7.51	70	40048	12.524	ng	# 73
25) Isophorone	7.51	82	309350	39.624	ng	# 64
49) Dimethylphthalate	9.70	163	141896	17.854	ng	99
56) 2,4-Dinitrotoluene	9.99	165	13434	6.116	ng	# 21
66) 4-Bromophenyl-phenylether	10.78	248	7012	3.423	ng	# 1

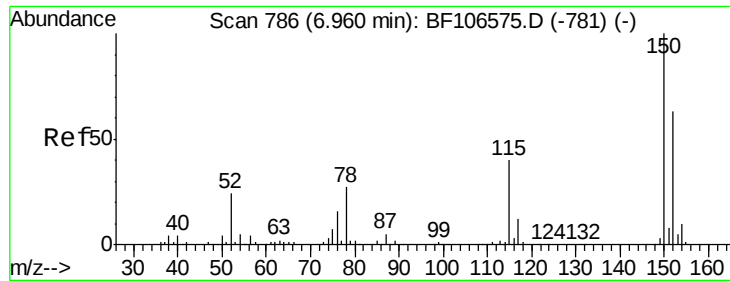
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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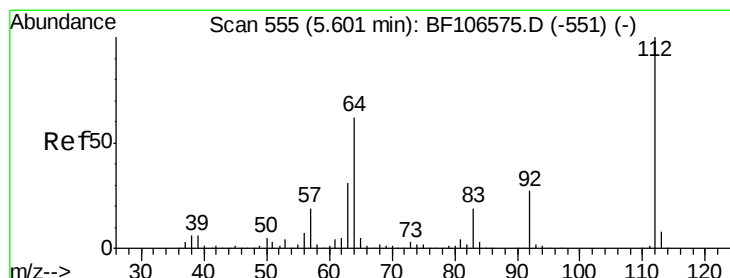
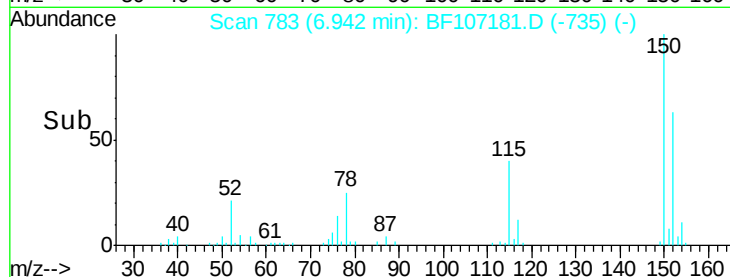
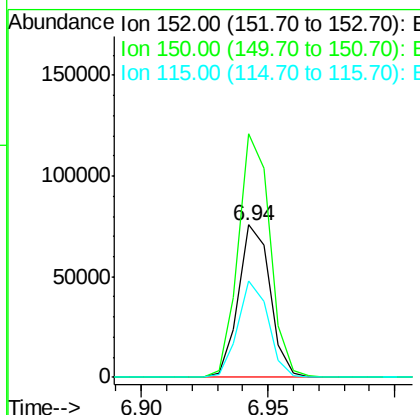
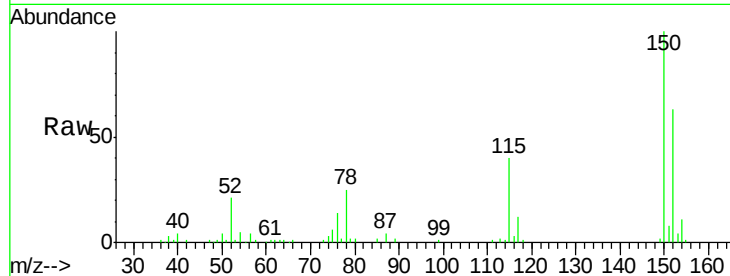




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 783
 Delta R.T. -0.02 min
 Lab File: BF107181.D
 Acq: 6 Jul 2018 19:00

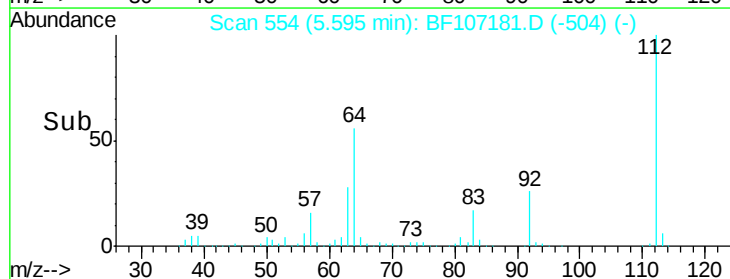
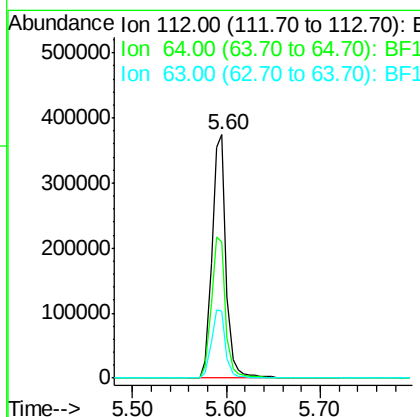
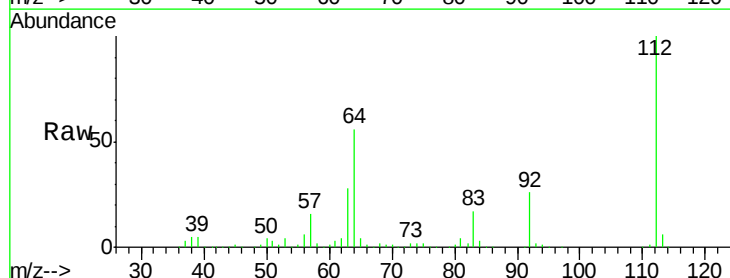
Instrument :
 BNA_F
 ClientSampleId :
 HC-SOIL-2

Tgt Ion:152 Resp: 65780
 Ion Ratio Lower Upper
 152 100
 150 159.7 124.6 186.8
 115 63.4 50.1 75.1



#5
 2-Fluorophenol
 Concen: 102.637 ng
 RT: 5.60 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF107181.D
 Acq: 6 Jul 2018 19:00

Tgt Ion:112 Resp: 398711
 Ion Ratio Lower Upper
 112 100
 64 55.7 47.9 71.9
 63 27.7 23.7 35.5





#7

Phenol-d6

Concen: 102.454 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107181.D

Acq: 6 Jul 2018 19:00

Instrument :

BNA_F

ClientSampleId :

HC-SOIL-2

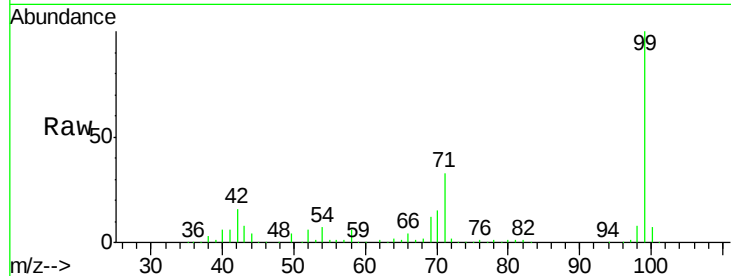
Tgt Ion: 99 Resp: 497027

Ion Ratio Lower Upper

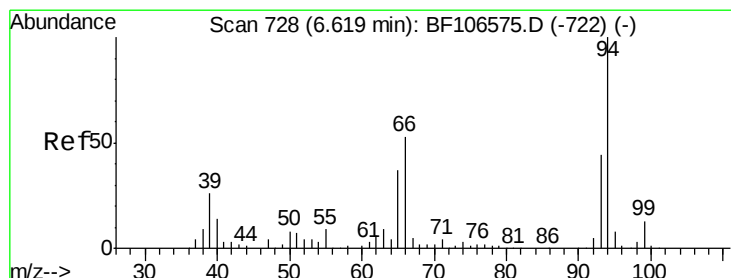
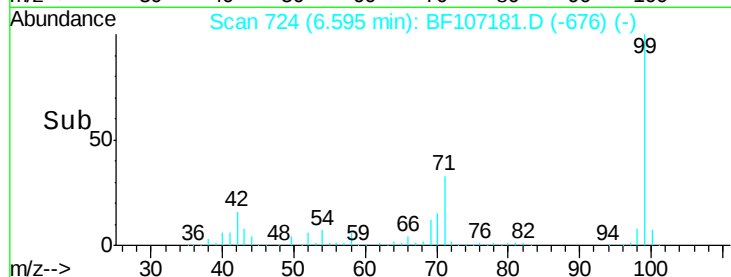
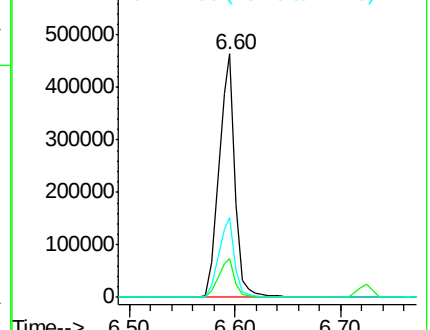
99 100

42 15.9 14.5 21.7

71 32.7 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: 2.448 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF107181.D

Acq: 6 Jul 2018 19:00

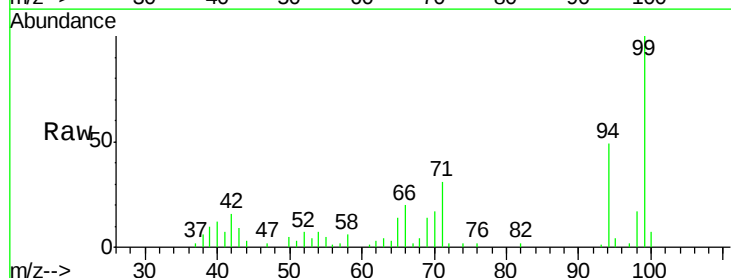
Tgt Ion: 94 Resp: 13553

Ion Ratio Lower Upper

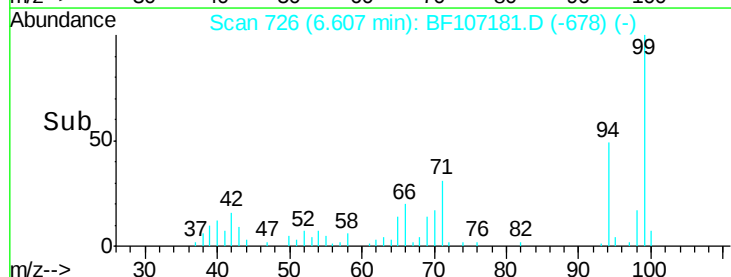
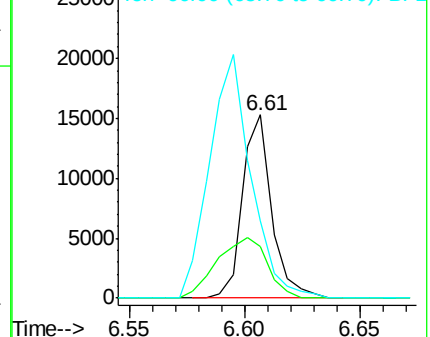
94 100

65 28.0 7.9 47.9

66 41.9 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

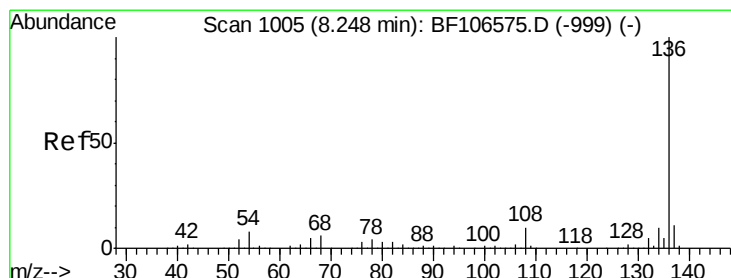
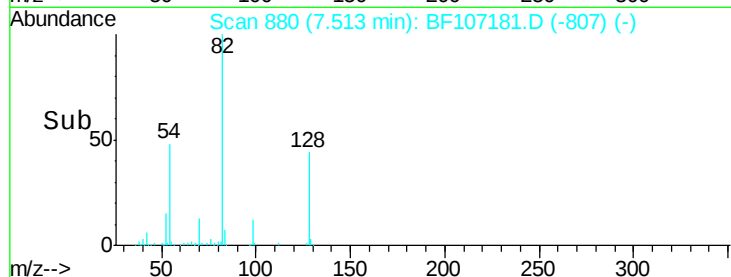
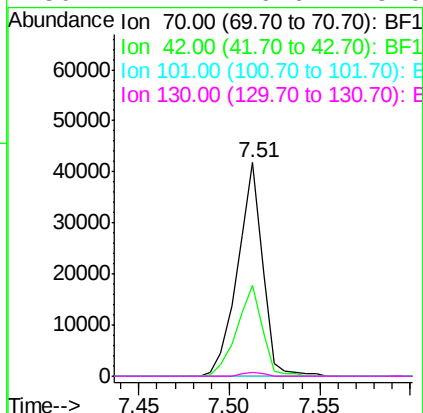
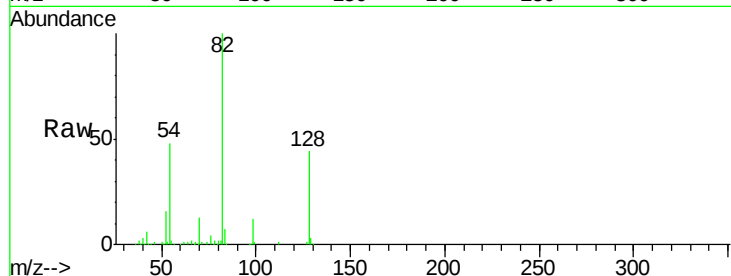




#19
n-Nitroso-di-n-propylamine
Concen: 12.524 ng
RT: 7.51 min Scan# 880
Delta R.T. 0.13 min
Lab File: BF107181.D
Acq: 6 Jul 2018 19:00

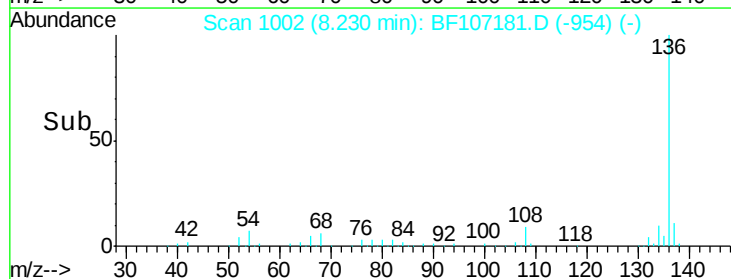
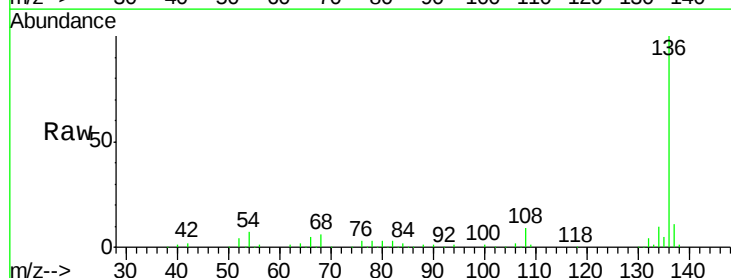
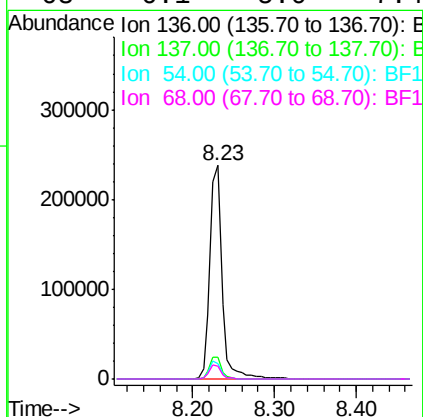
Instrument :
BNA_F
ClientSampleId :
HC-SOIL-2

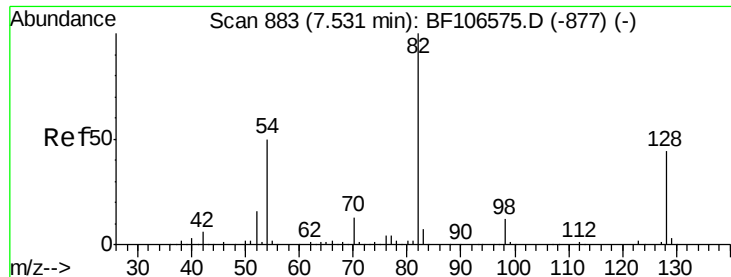
Tgt Ion: 70 Resp: 40048
Ion Ratio Lower Upper
70 100
42 42.3 47.5 71.3#
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107181.D
Acq: 6 Jul 2018 19:00

Tgt Ion: 136 Resp: 246218
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 7.4 6.6 9.8
68 6.1 5.0 7.4

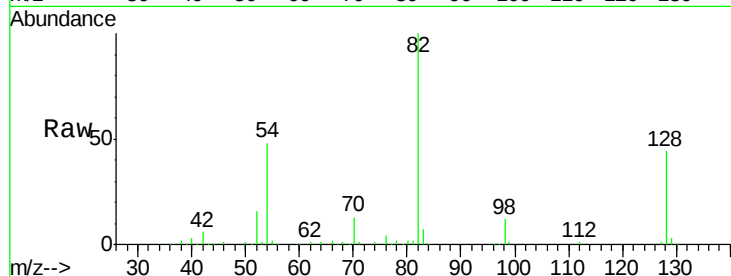




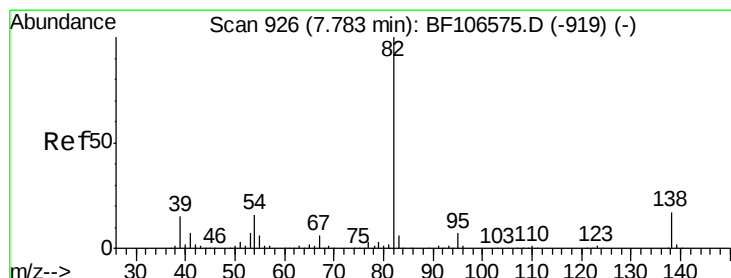
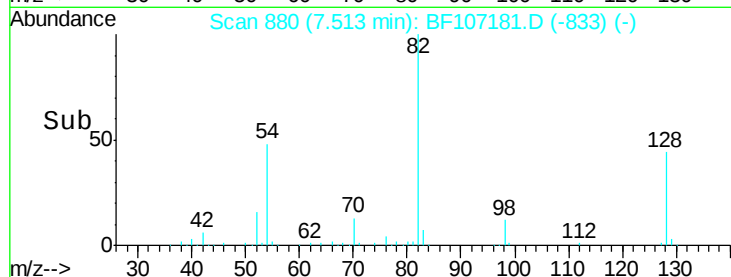
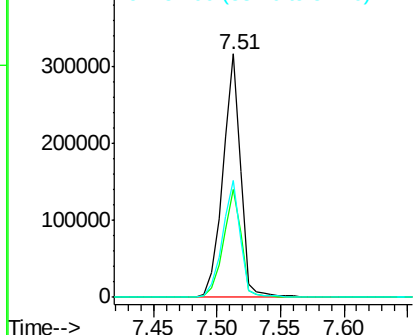
#23
 Nitrobenzene-d5
 Concen: 69.813 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF107181.D
 Acq: 6 Jul 2018 19:00

Instrument :
 BNA_F
 ClientSampled :
 HC-SOIL-2

Tgt Ion: 82 Resp: 309308
 Ion Ratio Lower Upper
 82 100
 128 44.3 36.1 54.1
 54 48.2 41.4 62.2

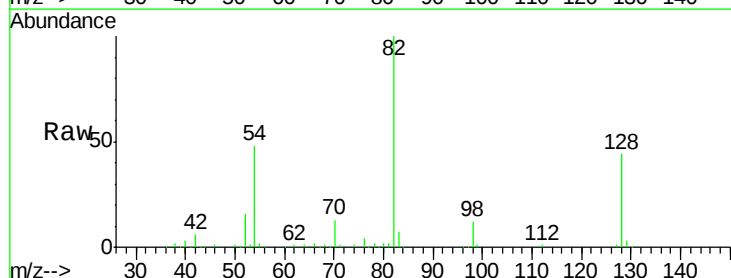


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

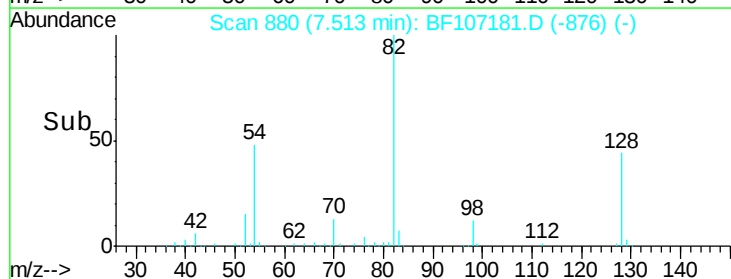
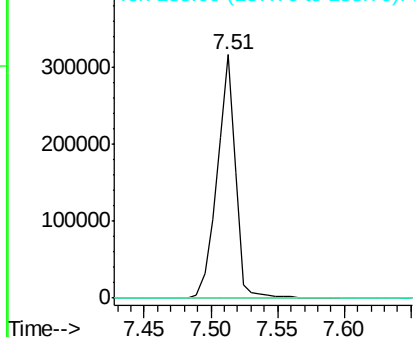


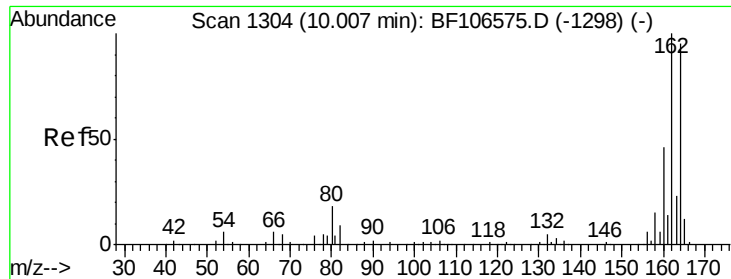
#25
 Isophorone
 Concen: 39.624 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.28 min
 Lab File: BF107181.D
 Acq: 6 Jul 2018 19:00

Tgt Ion: 82 Resp: 309350
 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

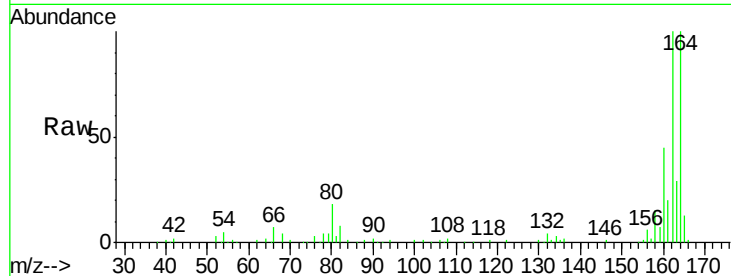




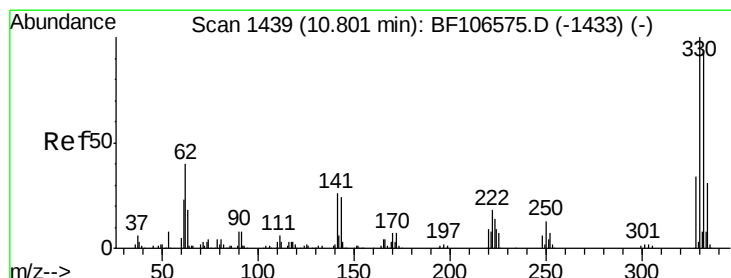
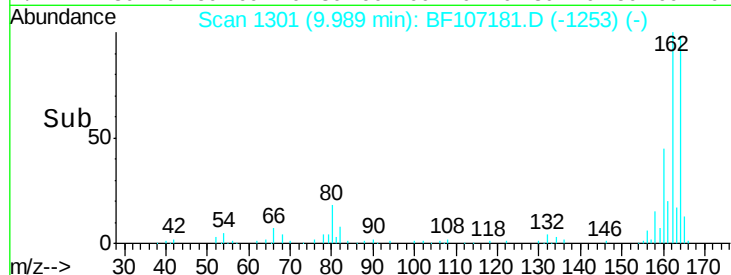
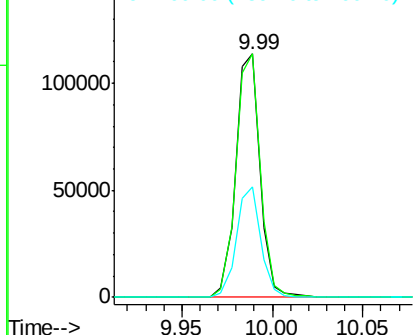
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107181.D
 Acq: 6 Jul 2018 19:00

Instrument :
 BNA_F
 ClientSampled :
 HC-SOIL-2

Tgt Ion:164 Resp: 105965
 Ion Ratio Lower Upper
 164 100
 162 100.0 86.1 129.1
 160 45.4 38.3 57.5

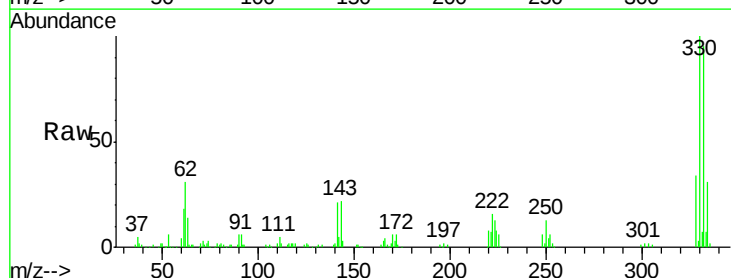


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

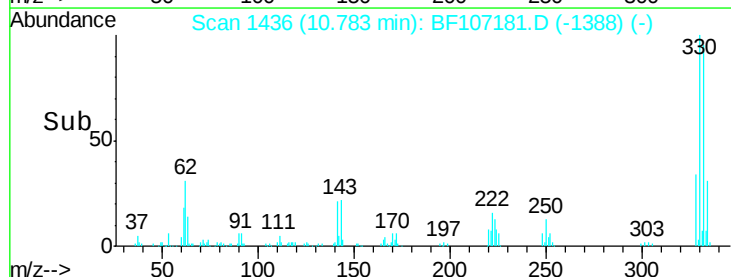
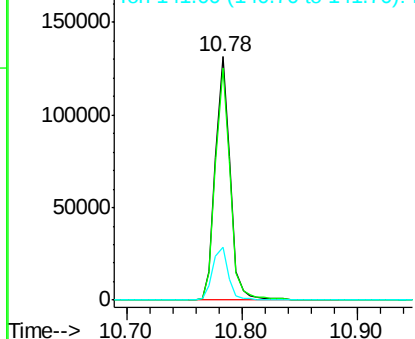


#41
 2,4,6-Tribromophenol
 Concen: 96.018 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF107181.D
 Acq: 6 Jul 2018 19:00

Tgt Ion:330 Resp: 117926
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 23.0 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

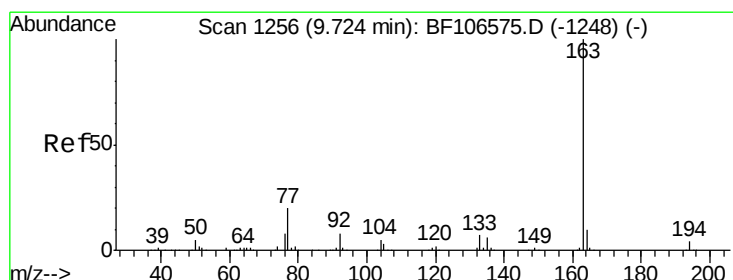
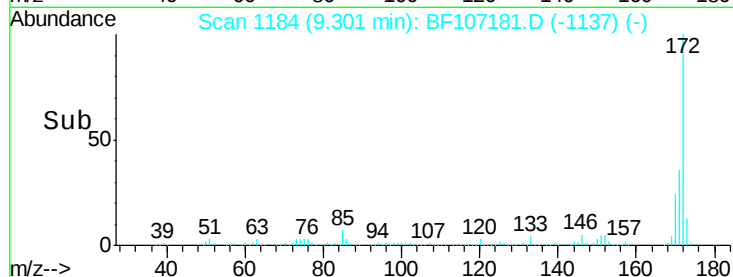
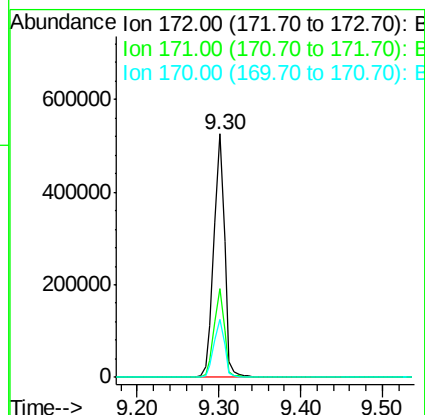
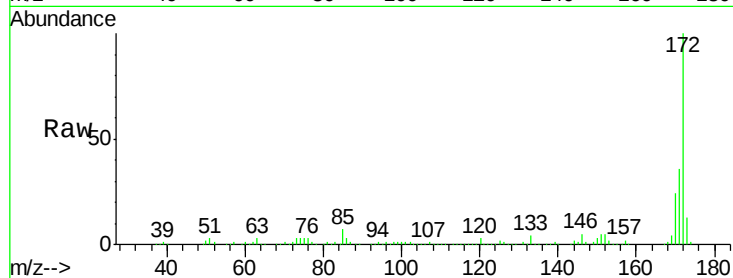




#44
2-Fluorobiphenyl
Concen: 75.304 ng
RT: 9.30 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF107181.D
Acq: 6 Jul 2018 19:00

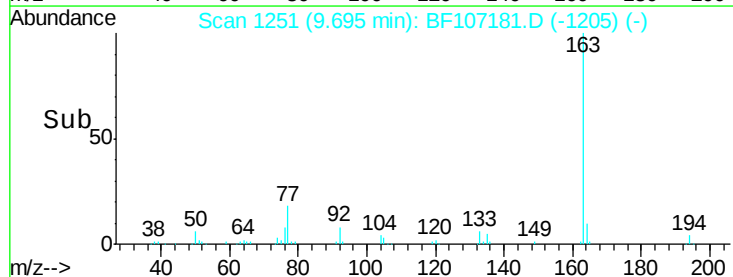
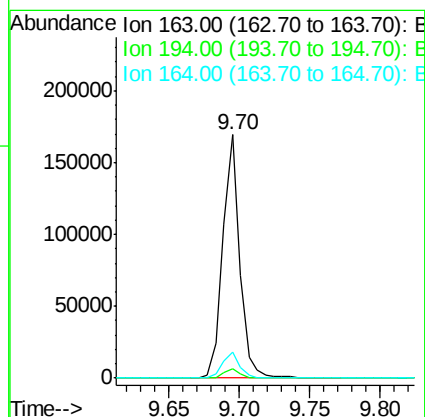
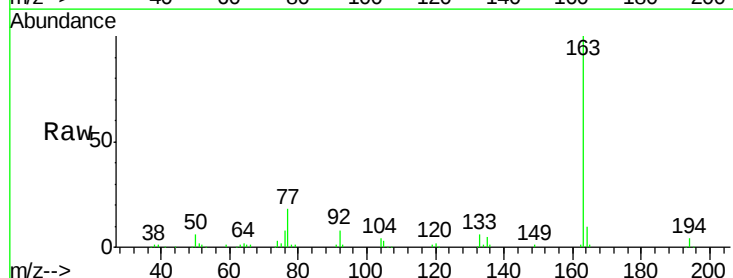
Instrument :
BNA_F
ClientSampleId :
HC-SOIL-2

Tgt Ion:172 Resp: 481965
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 24.0 19.6 29.4



#49
Dimethylphthalate
Concen: 17.854 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107181.D
Acq: 6 Jul 2018 19:00

Tgt Ion:163 Resp: 141896
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.5 8.2 12.2

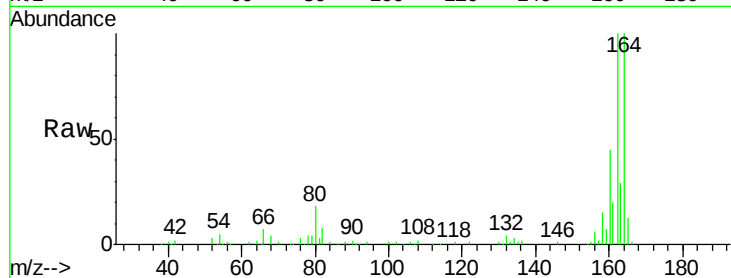




#56
2,4-Dinitrotoluene
Concen: 6.116 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.21 min
Lab File: BF107181.D
Acq: 6 Jul 2018 19:00

Instrument :
BNA_F
ClientSampleId :
HC-SOIL-2

Tgt 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#

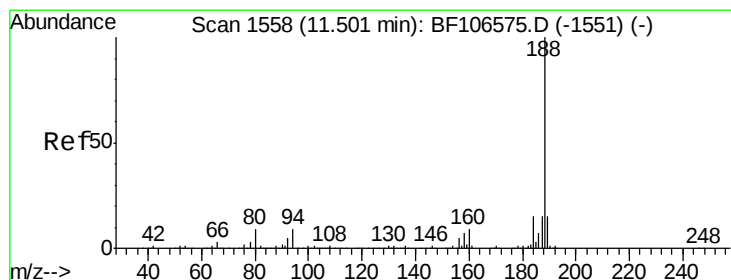
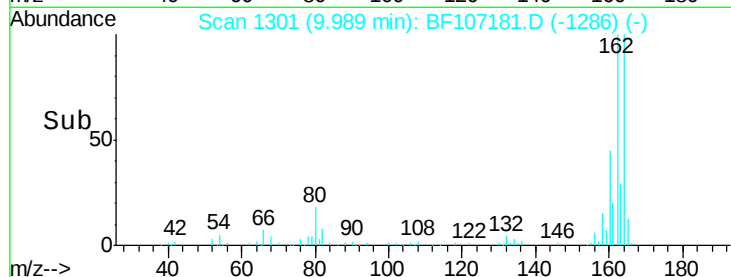
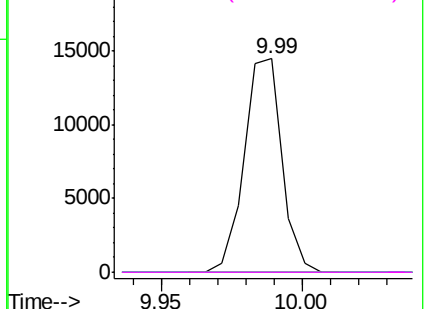


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

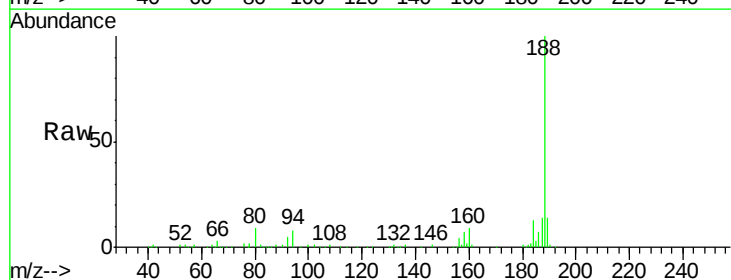
Ion 89.00 (88.70 to 89.70): BF1

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: BF107181.D
Acq: 6 Jul 2018 19:00

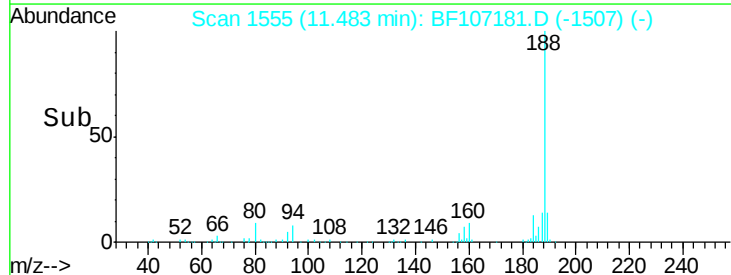
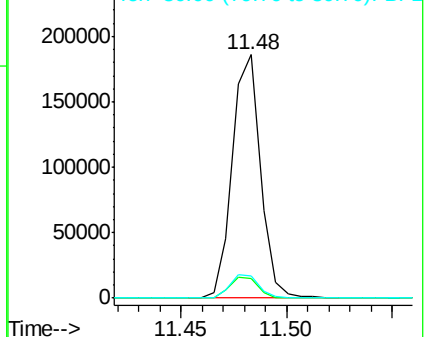
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	8.5	12.7#
80	9.0	9.2	13.8#

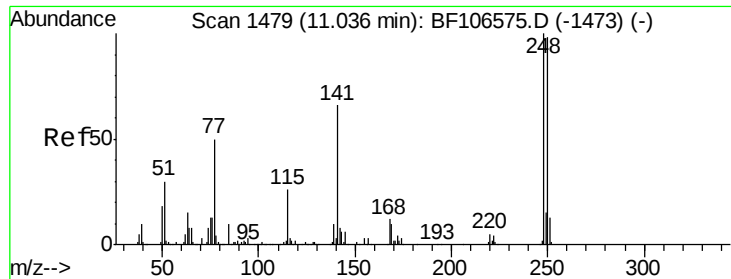


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

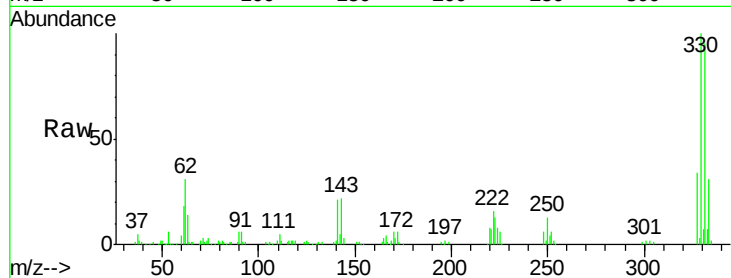




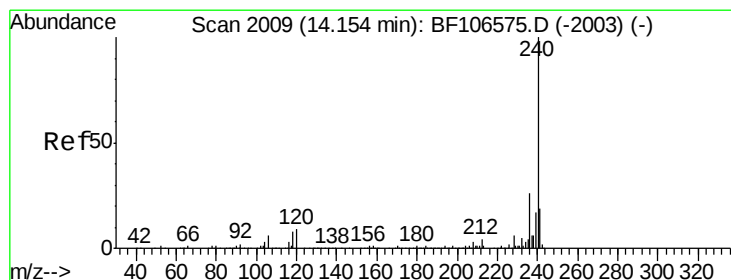
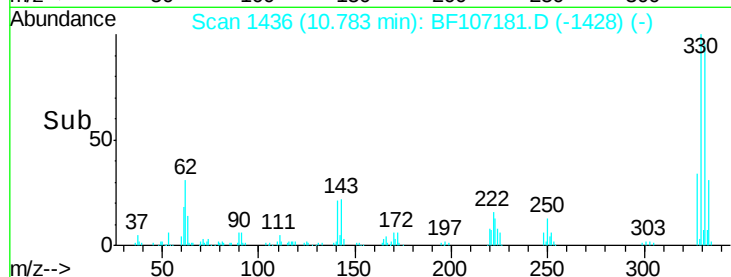
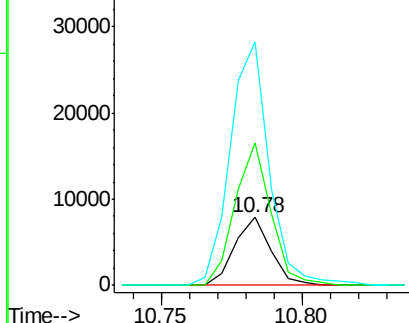
#66
4-Bromophenyl-phenylether
Concen: 3.423 ng
RT: 10.78 min Scan# 1436
Delta R.T. -0.25 min
Lab File: BF107181.D
Acq: 6 Jul 2018 19:00

Instrument :
BNA_F
ClientSampleId :
HC-SOIL-2

Tgt Ion:248 Resp: 7012
Ion Ratio Lower Upper
248 100
250 209.4 76.9 115.3#
141 357.8 74.4 111.6#

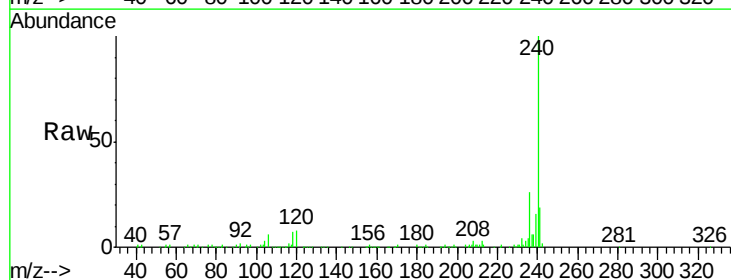


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

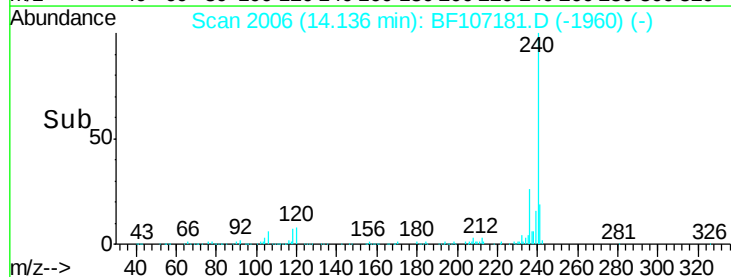
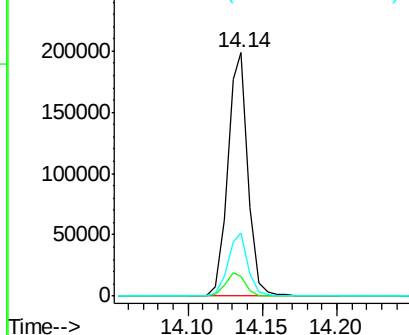


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.03 min
Lab File: BF107181.D
Acq: 6 Jul 2018 19:00

Tgt Ion:240 Resp: 189786
Ion Ratio Lower Upper
240 100
120 8.3 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

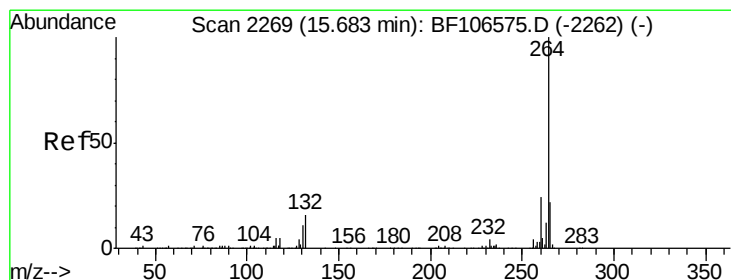
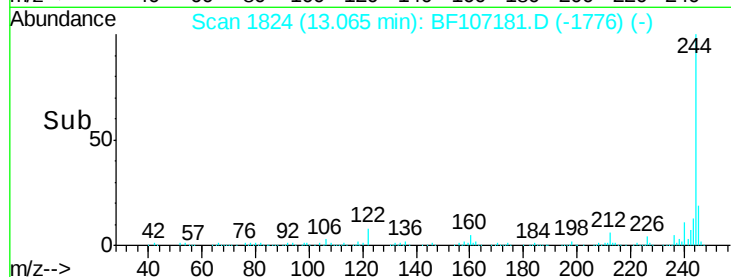
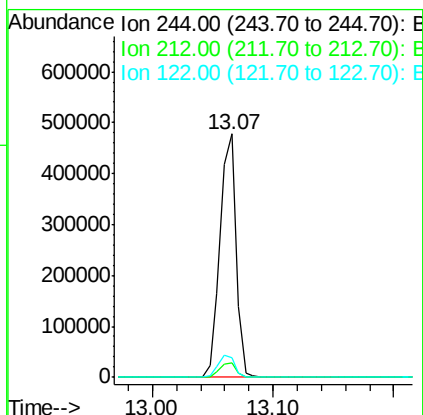
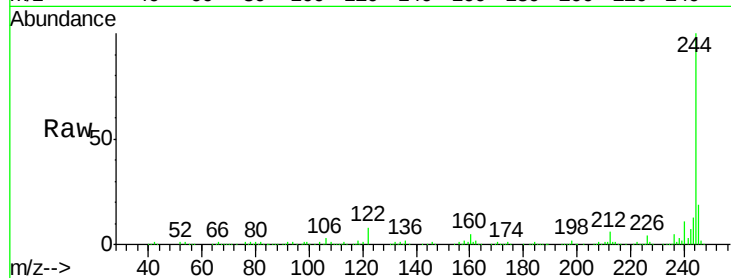




#78
 Terphenyl-d14
 Concen: 55.802 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF107181.D
 Acq: 6 Jul 2018 19:00

Instrument :
 BNA_F
 ClientSampleId :
 HC-SOIL-2

Tgt Ion:244 Resp: 437205
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.4 8.0
 122 8.1 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2266
 Delta R.T. -0.05 min
 Lab File: BF107181.D
 Acq: 6 Jul 2018 19:00

Tgt Ion:264 Resp: 146548
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 21.7 17.5 26.3

