

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092418\
 Data File : BG036942.D
 Acq On : 25 Sep 2018 7:29
 Operator : JU/SJ
 Sample : J5057-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL

Quant Time: Sep 25 08:12:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 10:41:23 2018
 Response via : Initial Calibration

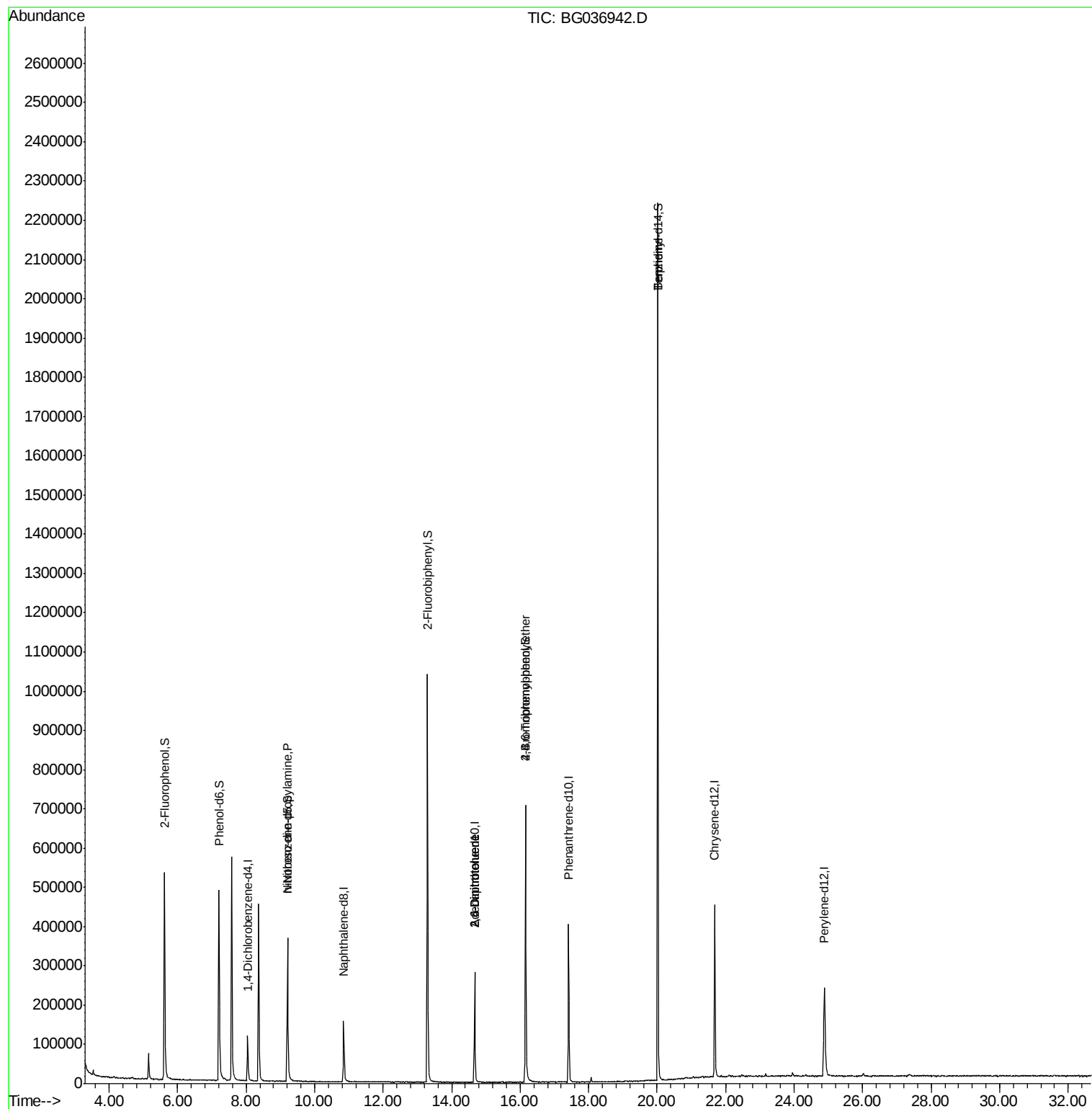
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	37775	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	156873	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	105788	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	278826	20.00	ng	0.00
75) Chrysene-d12	21.68	240	293050	20.00	ng	0.00
86) Perylene-d12	24.88	264	279817	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	246854	125.32	ng	0.00
7) Phenol-d6	7.20	99	319927	104.98	ng	0.00
23) Nitrobenzene-d5	9.21	82	260914	89.07	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	142607	112.67	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	589861	83.05	ng	0.00
78) Terphenyl-d14	20.02	244	1093175	98.09	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	35008	13.809	ng	# 73
50) 2,6-Dinitrotoluene	14.67	165	13835	7.447	ng	# 20
56) 2,4-Dinitrotoluene	14.67	165	13835	5.337	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	9618	3.033	ng	# 1
76) Benzidine	20.02	184	19103	2.156	ng	# 92

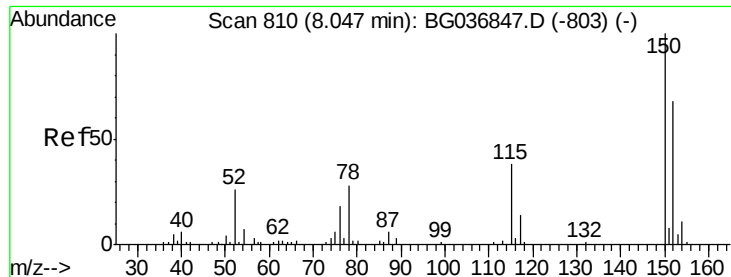
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092418\
Data File : BG036942.D
Acq On : 25 Sep 2018 7:29
Operator : JU/SJ
Sample : J5057-10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
HC-SOIL

Quant Time: Sep 25 08:12:35 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 24 10:41:23 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 809

Delta R.T. -0.00 min

Lab File: BG036942.D

Acq: 25 Sep 2018 7:29

Instrument :

BNA_G

ClientSampleId :

HC-SOIL

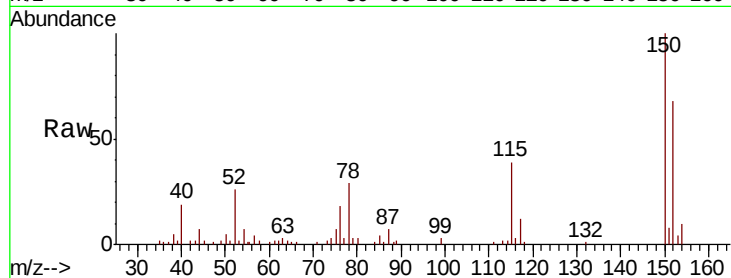
Tgt Ion:152 Resp: 37775

Ion Ratio Lower Upper

152 100

150 146.8 119.5 179.3

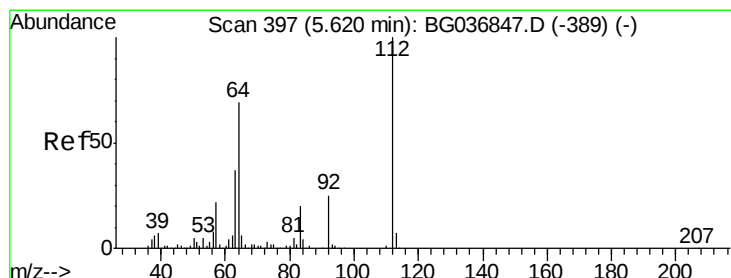
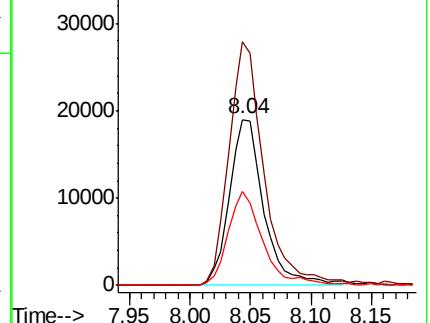
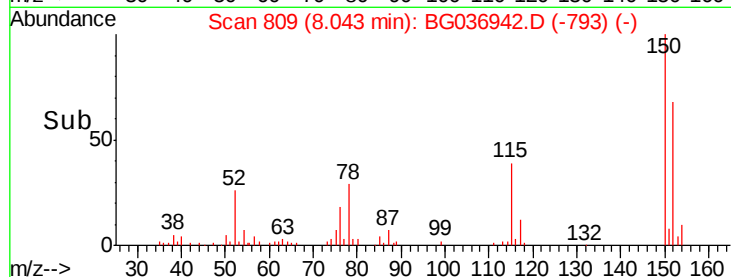
115 56.8 44.5 66.7



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: 125.324 ng

RT: 5.62 min Scan# 396

Delta R.T. -0.00 min

Lab File: BG036942.D

Acq: 25 Sep 2018 7:29

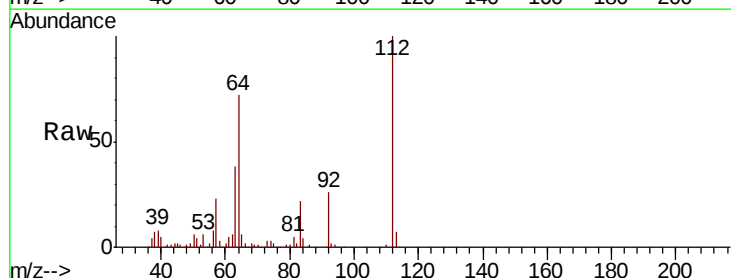
Tgt Ion:112 Resp: 246854

Ion Ratio Lower Upper

112 100

64 72.0 57.2 85.8

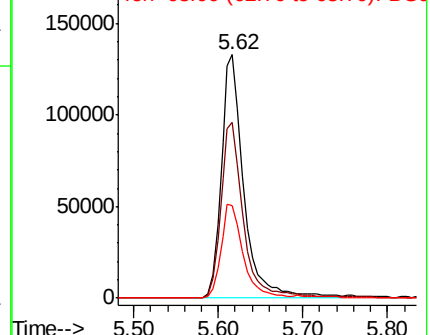
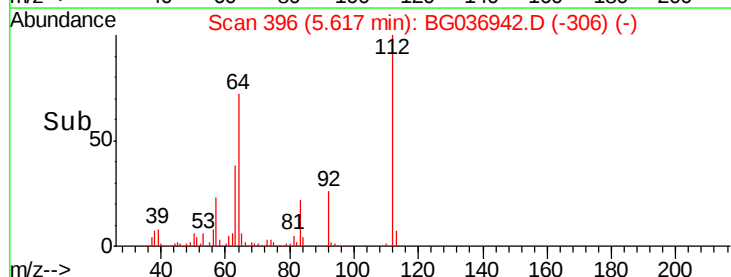
63 38.1 30.8 46.2

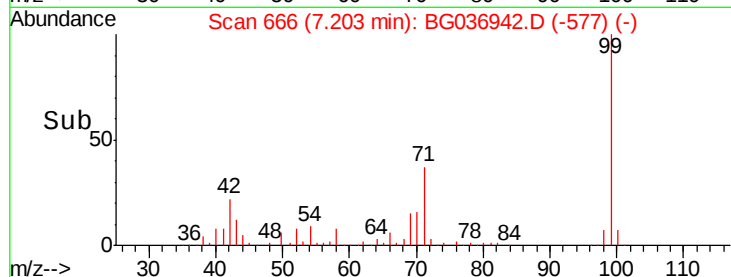
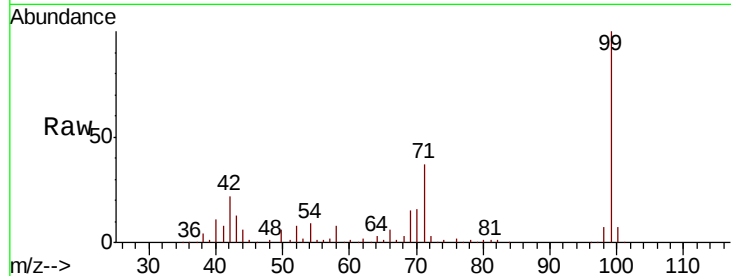
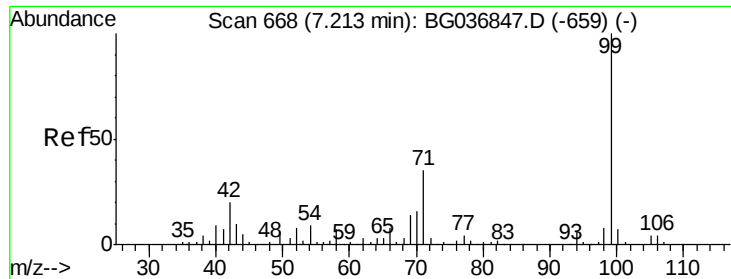


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 104.980 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036942.D

Acq: 25 Sep 2018 7:29

Instrument :

BNA_G

ClientSampleId :

HC-SOIL

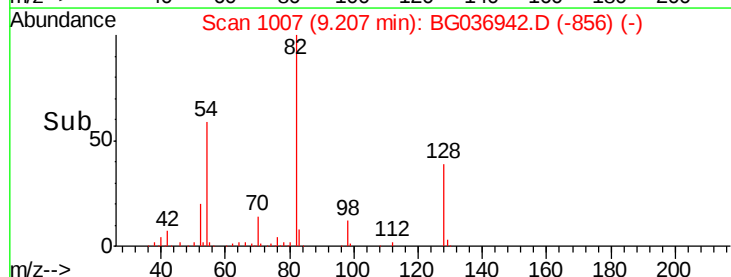
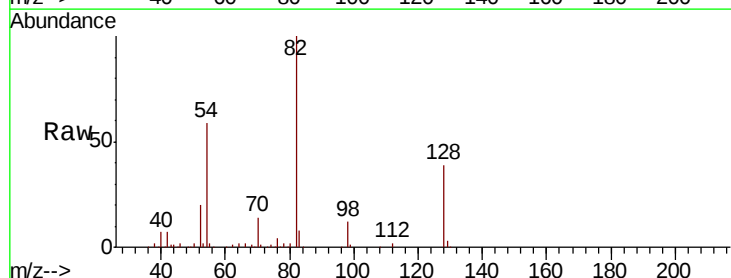
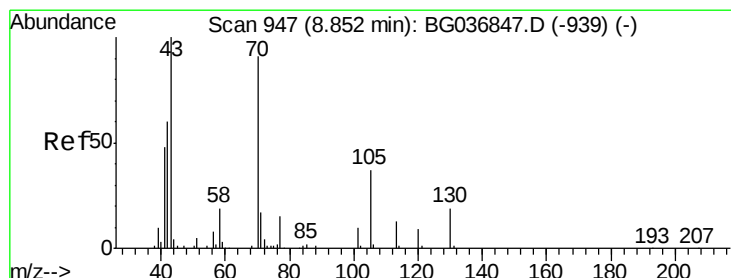
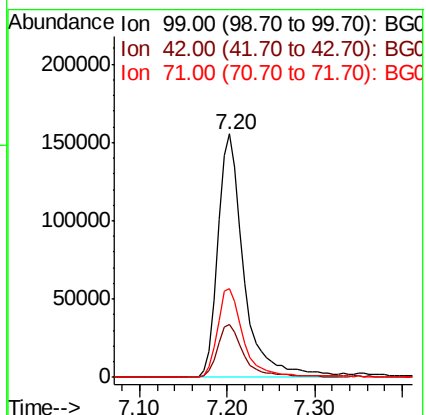
Tgt Ion: 99 Resp: 319927

Ion Ratio Lower Upper

99 100

42 21.8 16.5 24.7

71 36.7 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.809 ng

RT: 9.21 min Scan# 1007

Delta R.T. 0.36 min

Lab File: BG036942.D

Acq: 25 Sep 2018 7:29

Tgt Ion: 70 Resp: 35008

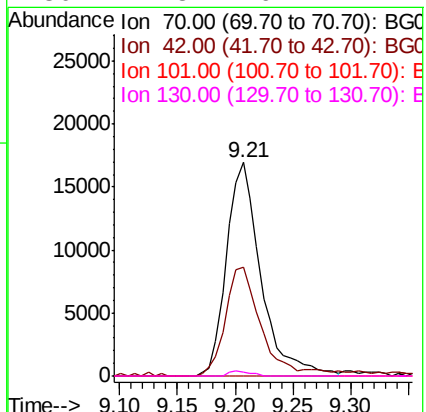
Ion Ratio Lower Upper

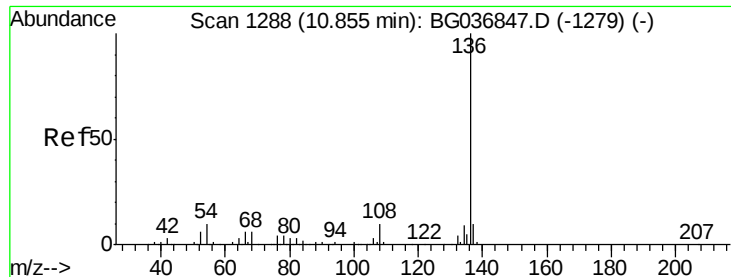
70 100

42 50.7 56.2 84.4#

101 0.0 7.8 11.6#

130 1.8 16.2 24.2#

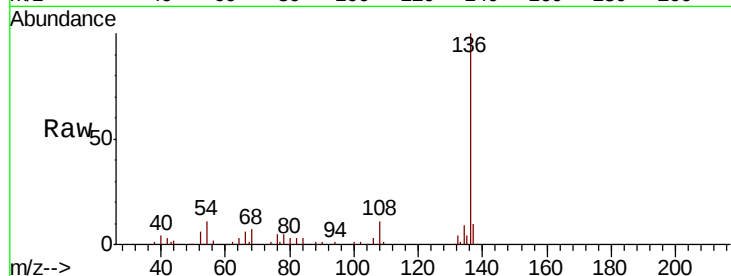




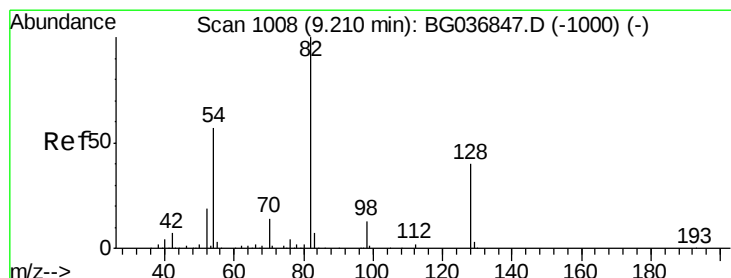
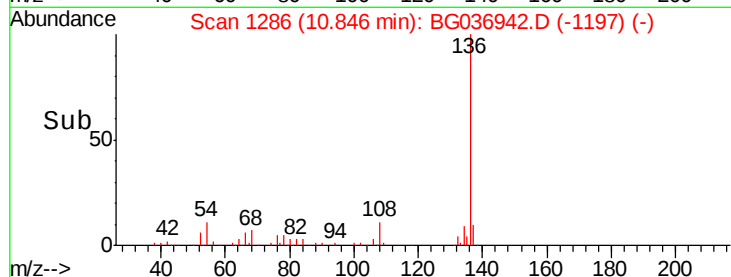
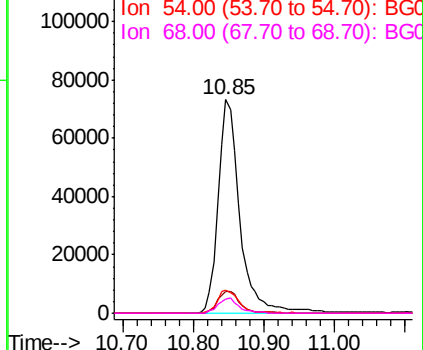
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG036942.D
Acq: 25 Sep 2018 7:29

Instrument :
BNA_G
ClientSampleId :
HC-SOIL

Tgt Ion:	136	Resp:	156873
Ion	Ratio	Lower	Upper
136	100		
137	10.0	8.8	13.2
54	10.9	9.2	13.8
68	6.6	5.8	8.6

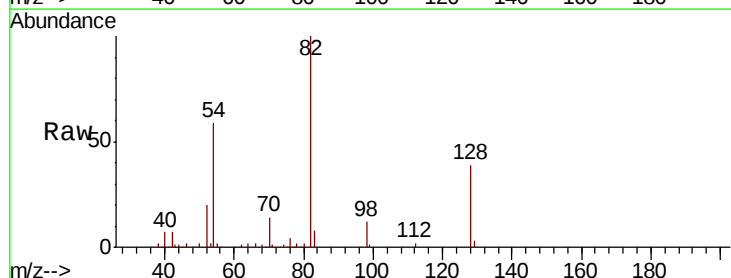


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

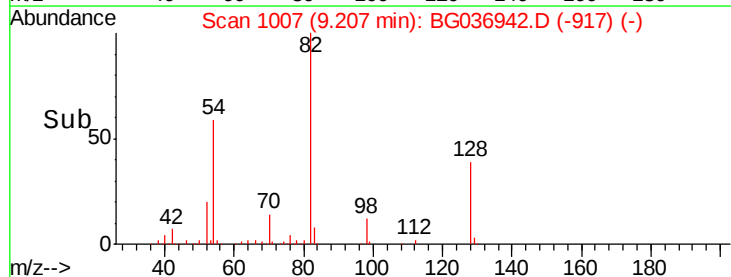
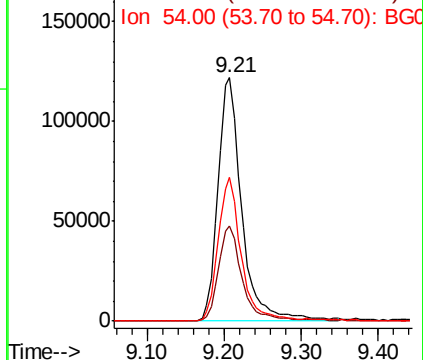


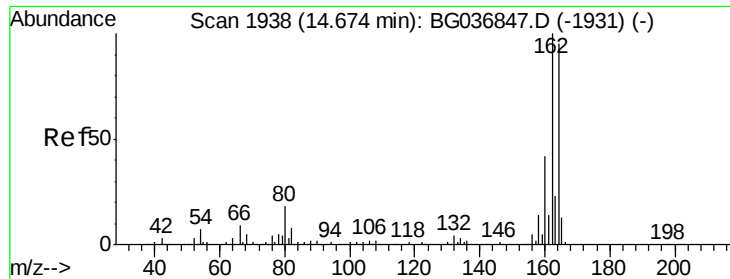
#23
Nitrobenzene-d5
Concen: 89.067 ng
RT: 9.21 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BG036942.D
Acq: 25 Sep 2018 7:29

Tgt Ion:	82	Resp:	260914
Ion	Ratio	Lower	Upper
82	100		
128	39.2	33.3	49.9
54	58.9	45.1	67.7



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.00 min

Lab File: BG036942.D

Acq: 25 Sep 2018 7:29

Instrument :

BNA_G

ClientSampleId :

HC-SOIL

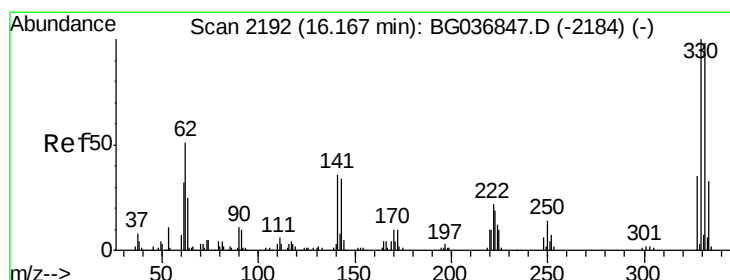
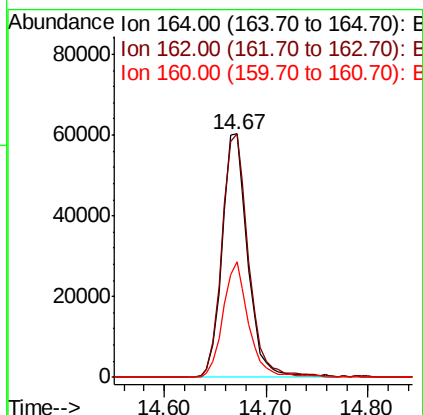
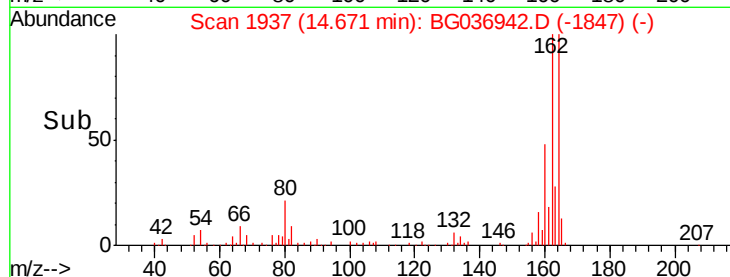
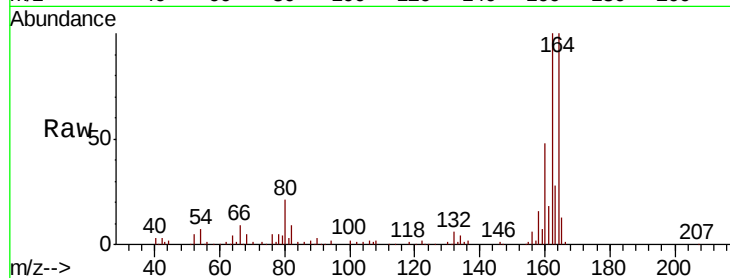
Tgt Ion:164 Resp: 105788

Ion Ratio Lower Upper

164 100

162 99.9 80.7 121.1

160 47.7 35.3 52.9



#41

2,4,6-Tribromophenol

Concen: 112.671 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG036942.D

Acq: 25 Sep 2018 7:29

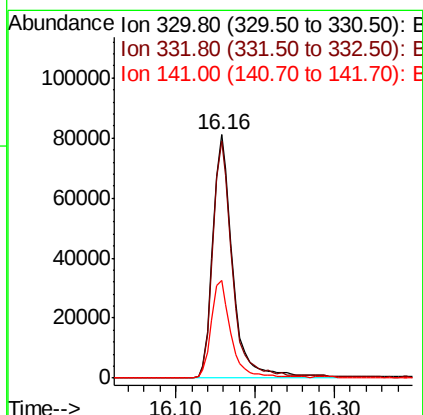
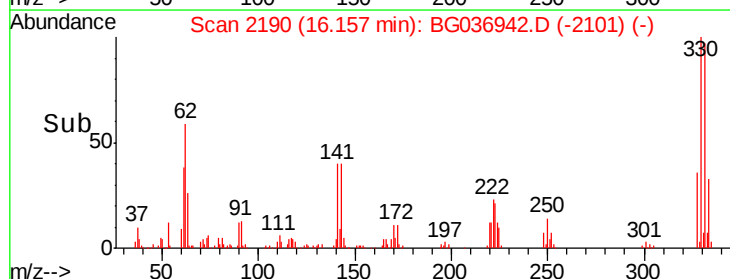
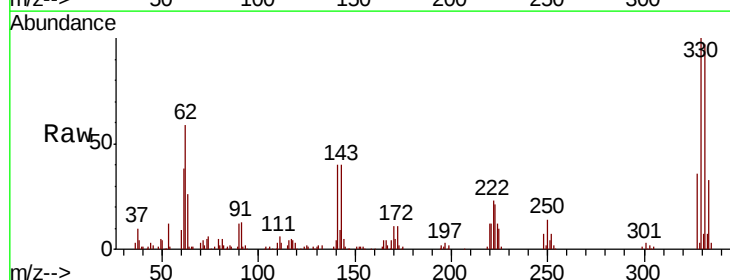
Tgt Ion:330 Resp: 142607

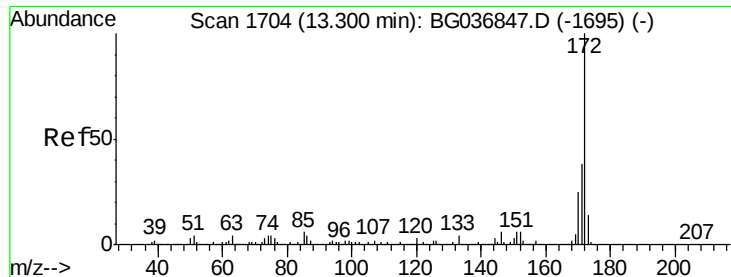
Ion Ratio Lower Upper

330 100

332 94.3 75.4 113.2

141 39.6 30.7 46.1

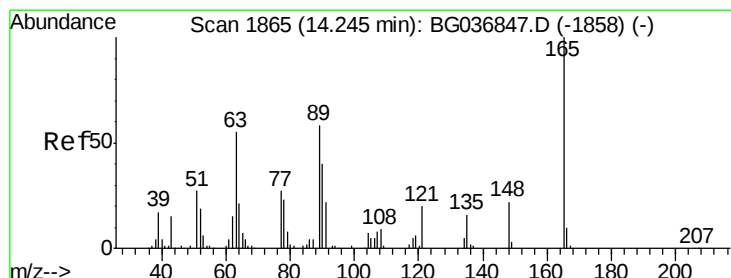
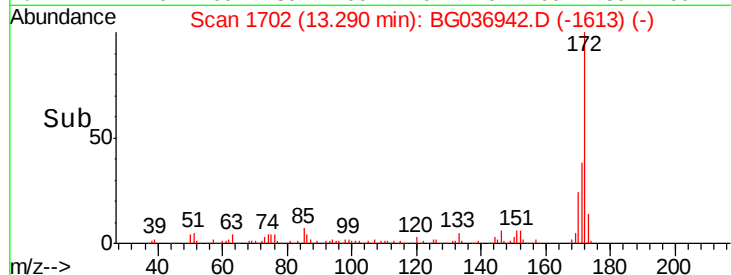
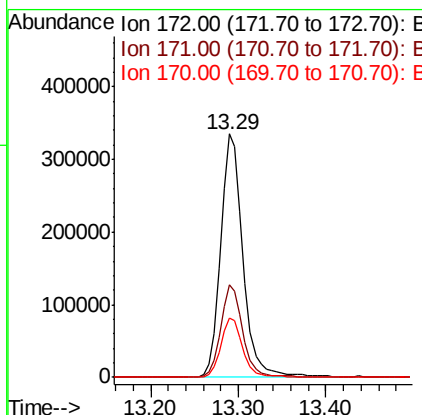
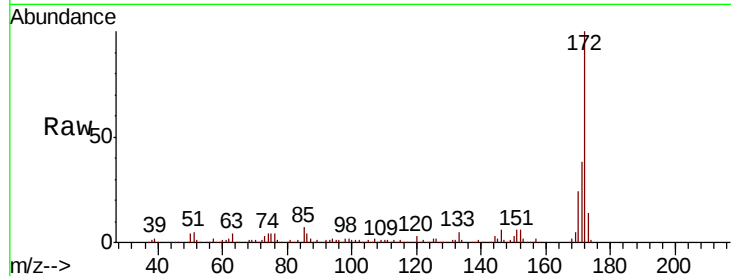




#44
 2-Fluorobiphenyl
 Concen: 83.047 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG036942.D
 Acq: 25 Sep 2018 7:29

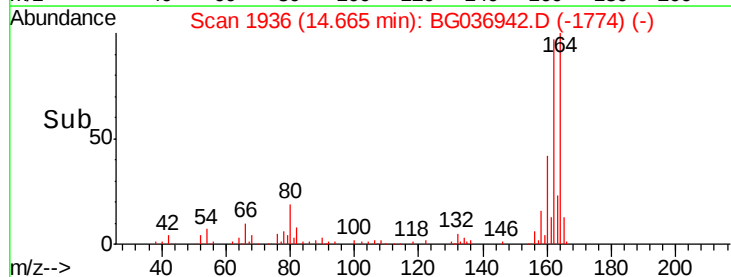
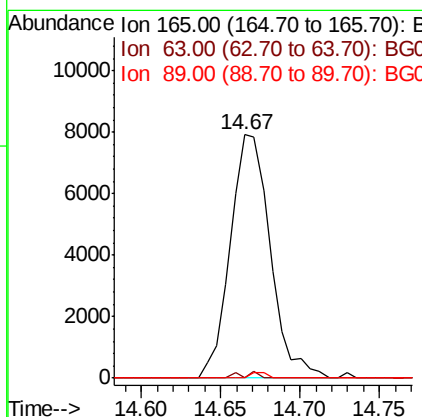
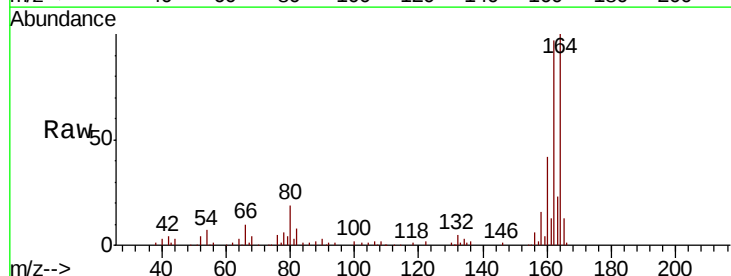
Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL

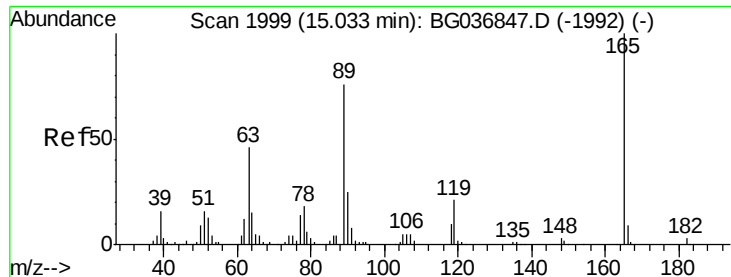
Tgt Ion:172 Resp: 589861
 Ion Ratio Lower Upper
 172 100
 171 37.8 31.3 46.9
 170 24.2 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.447 ng
 RT: 14.67 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG036942.D
 Acq: 25 Sep 2018 7:29

Tgt Ion:165 Resp: 13835
 Ion Ratio Lower Upper
 165 100
 63 0.0 50.1 75.1#
 89 0.0 47.8 71.6#

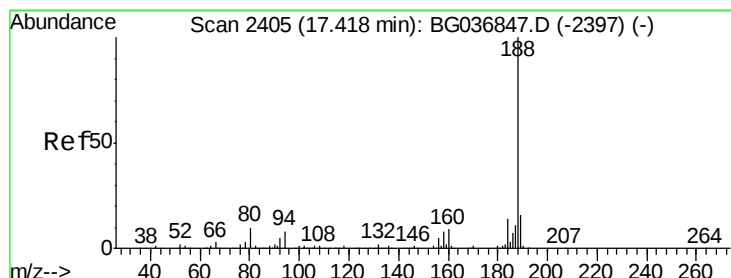
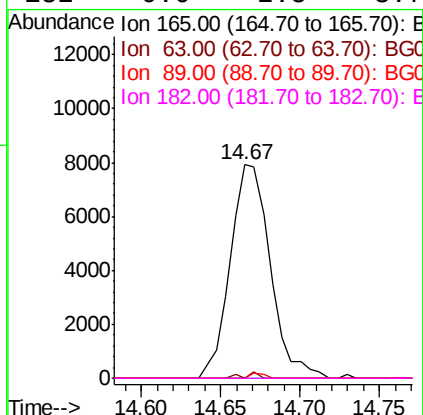
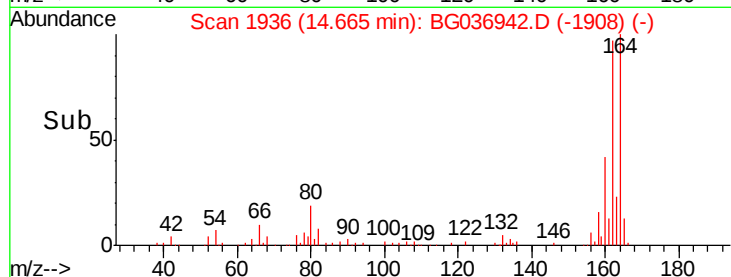
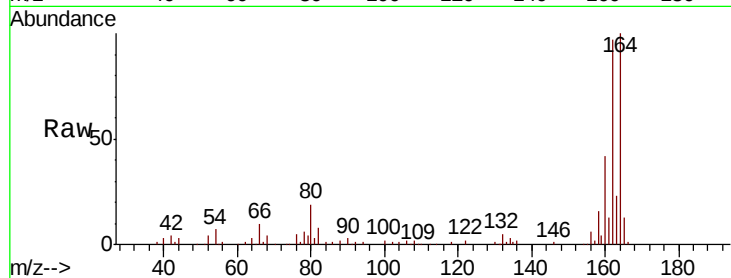




#56
 2,4-Dinitrotoluene
 Concen: 5.337 ng
 RT: 14.67 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG036942.D
 Acq: 25 Sep 2018 7:29

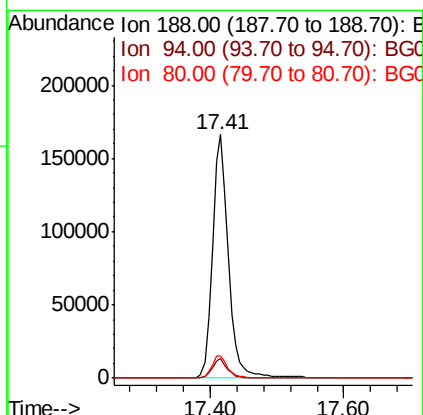
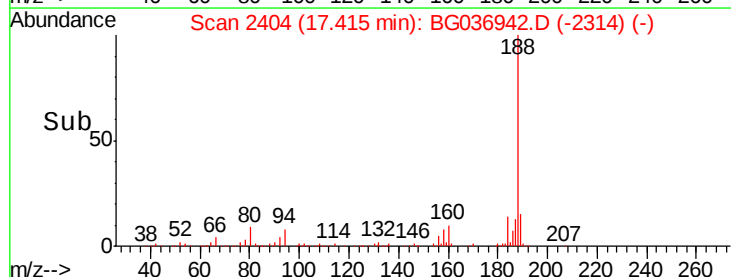
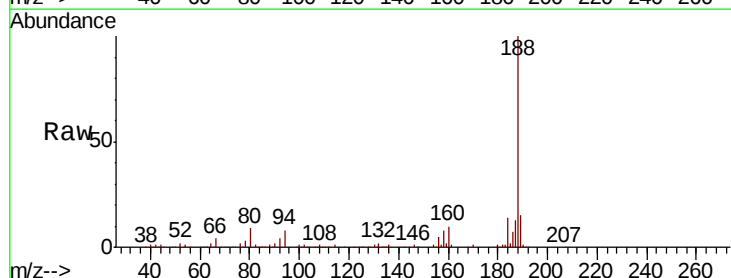
Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL

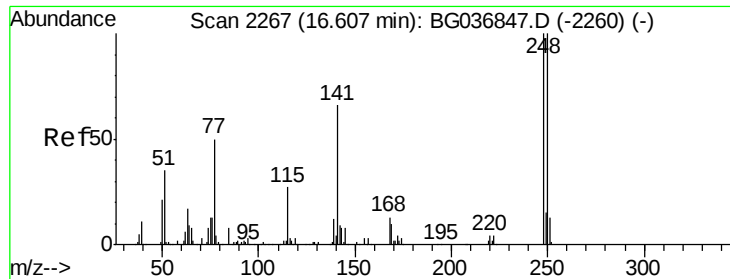
Tgt Ion:	165	Resp:	13835
Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	0.0	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2404
 Delta R.T. -0.00 min
 Lab File: BG036942.D
 Acq: 25 Sep 2018 7:29

Tgt Ion:	188	Resp:	278826
Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.7	10.1
80	9.4	8.1	12.1

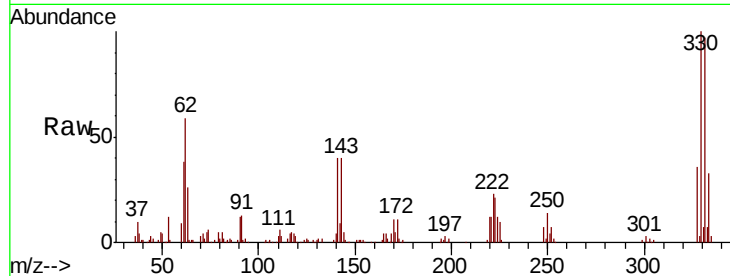




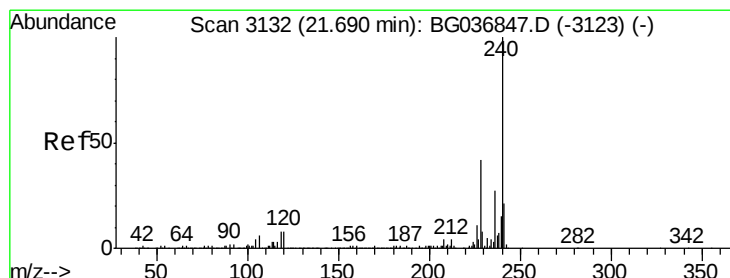
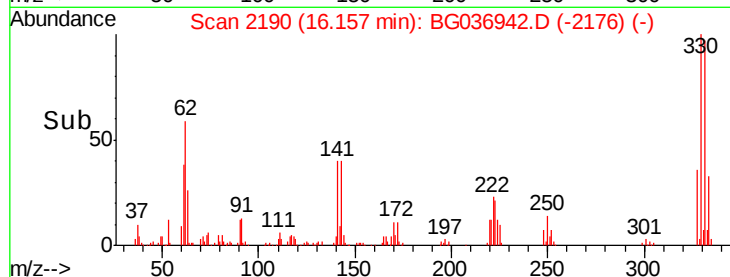
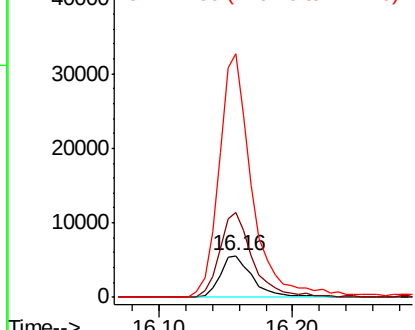
#66
 4-Bromophenyl-phenylether
 Concen: 3.033 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG036942.D
 Acq: 25 Sep 2018 7:29

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL

Tgt Ion:248 Resp: 9618
 Ion Ratio Lower Upper
 248 100
 250 206.5 78.1 117.1#
 141 588.1 53.7 80.5#

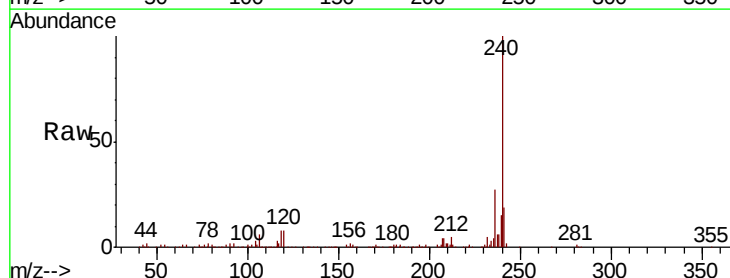


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

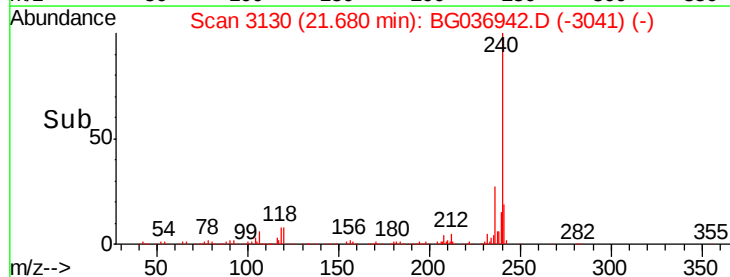
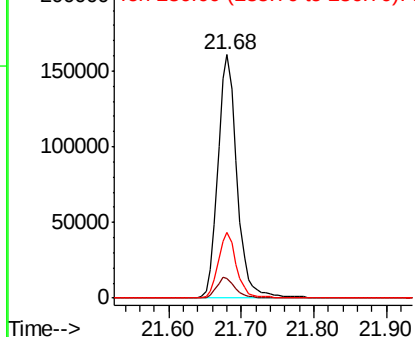


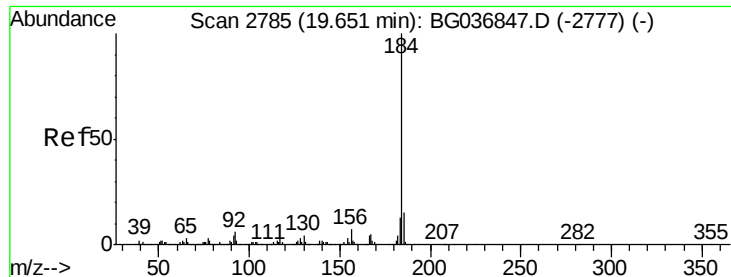
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG036942.D
 Acq: 25 Sep 2018 7:29

Tgt Ion:240 Resp: 293050
 Ion Ratio Lower Upper
 240 100
 120 7.9 6.9 10.3
 236 26.7 21.2 31.8



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

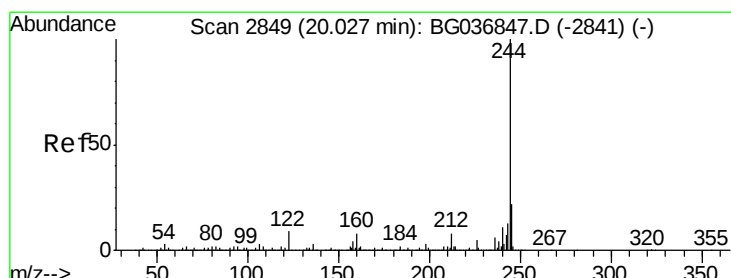
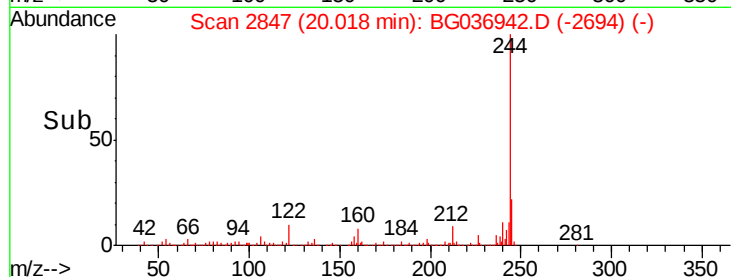
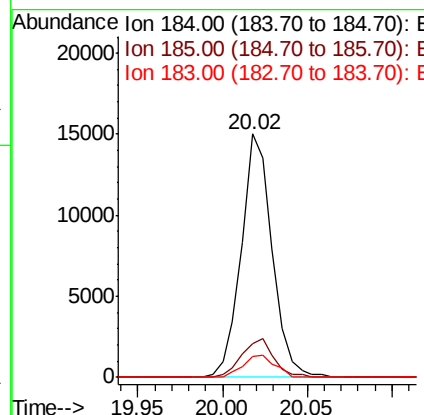
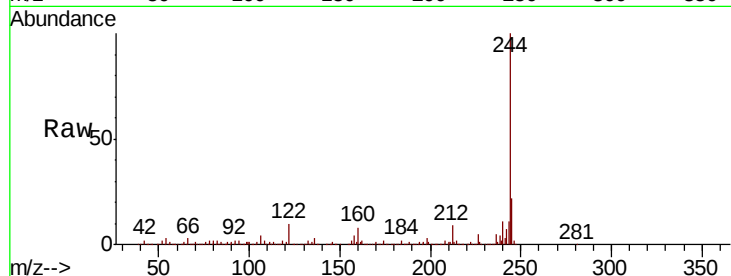




#76
Benzidine
Concen: 2.156 ng
RT: 20.02 min Scan# 2847
Delta R.T. 0.37 min
Lab File: BG036942.D
Acq: 25 Sep 2018 7:29

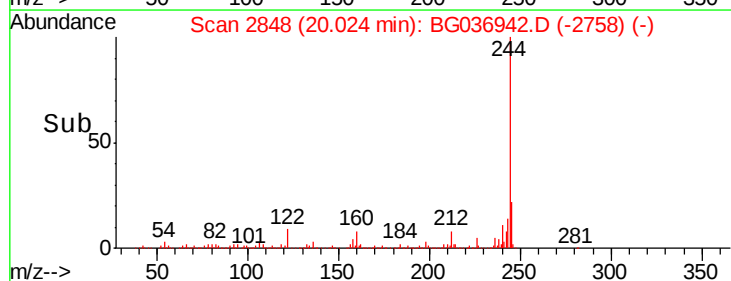
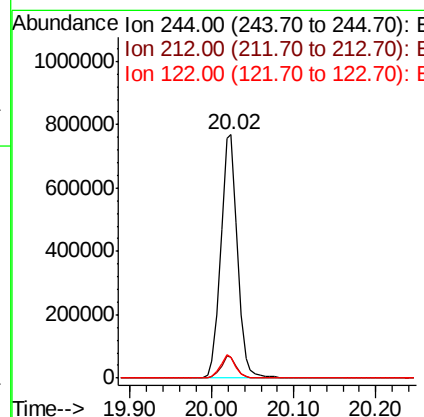
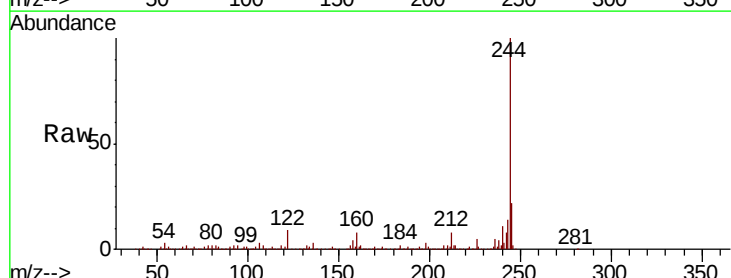
Instrument :
BNA_G
ClientSampleId :
HC-SOIL

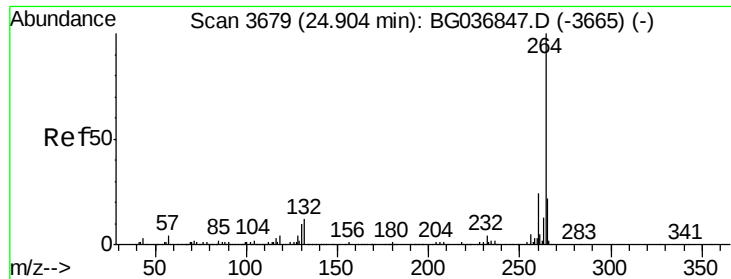
Tgt Ion:184 Resp: 19103
Ion Ratio Lower Upper
184 100
185 14.0 12.6 18.8
183 8.5 10.9 16.3#



#78
Terphenyl-d14
Concen: 98.089 ng
RT: 20.02 min Scan# 2848
Delta R.T. -0.00 min
Lab File: BG036942.D
Acq: 25 Sep 2018 7:29

Tgt Ion:244 Resp: 1093175
Ion Ratio Lower Upper
244 100
212 8.4 7.0 10.6
122 8.6 7.1 10.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.88 min Scan# 3675
Delta R.T. -0.02 min
Lab File: BG036942.D
Acq: 25 Sep 2018 7:29

Instrument :
BNA_G
ClientSampleId :
HC-SOIL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.6	29.4
265	21.5	17.4	26.0

