

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100118\
 Data File : BG037098.D
 Acq On : 2 Oct 2018 5:59
 Operator : JU/SJ
 Sample : J5170-24
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-4

Quant Time: Oct 02 07:04:24 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

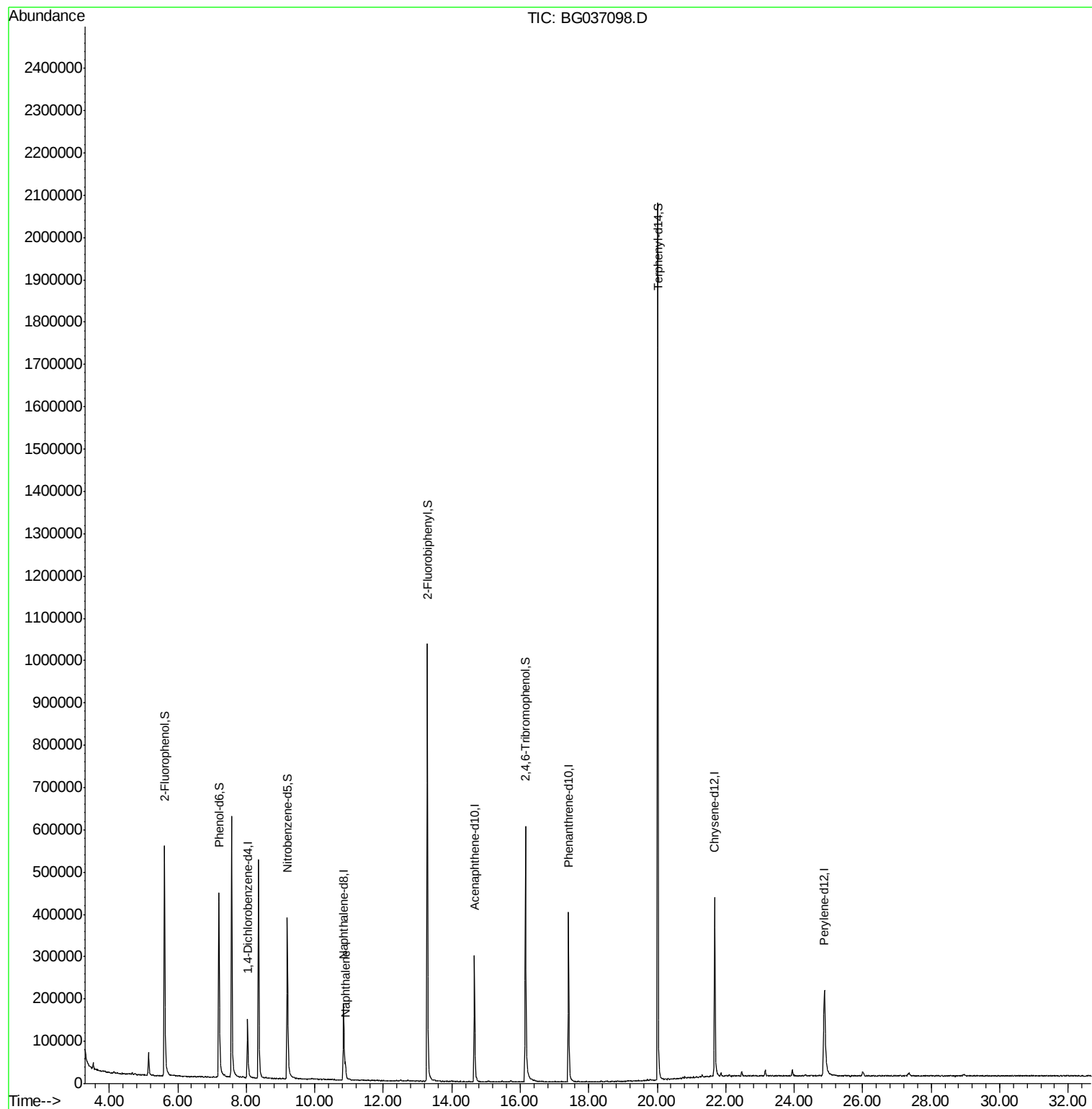
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	45493	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	185493	20.00	ng	-0.01
38) Acenaphthene-d10	14.66	164	116584	20.00	ng	-0.01
63) Phenanthrene-d10	17.41	188	289963	20.00	ng	-0.01
75) Chrysene-d12	21.68	240	307317	20.00	ng	-0.01
86) Perylene-d12	24.89	264	288664	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	262506	110.66	ng	0.00
7) Phenol-d6	7.20	99	305281	83.18	ng	-0.01
23) Nitrobenzene-d5	9.20	82	291590	84.18	ng	-0.01
41) 2,4,6-Tribromophenol	16.15	330	138213	99.09	ng	-0.02
44) 2-Fluorobiphenyl	13.29	172	618585	79.03	ng	-0.01
78) Terphenyl-d14	20.01	244	1039950	88.98	ng	-0.01
Target Compounds						
31) Naphthalene	10.90	128	36267	4.109	ng	Qvalue 98

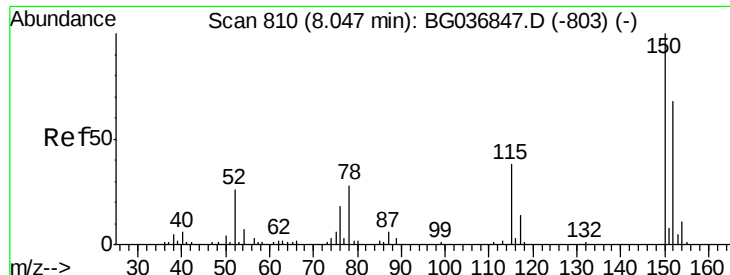
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 809

Delta R.T. -0.01 min

Lab File: BG037098.D

Acq: 2 Oct 2018 5:59

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-4

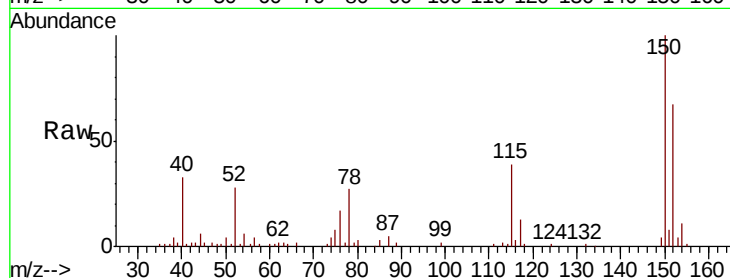
Tot Ion:152 Resp: 45493

Ion Ratio Lower Upper

152 100

150 148.4 119.5 179.3

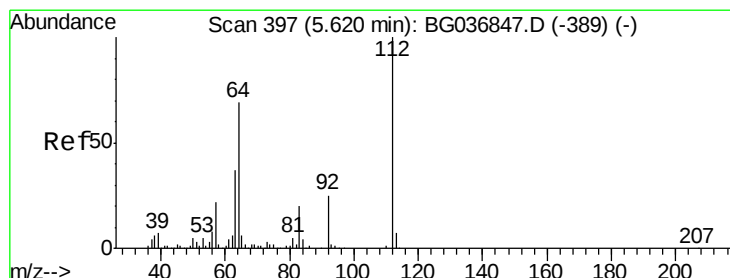
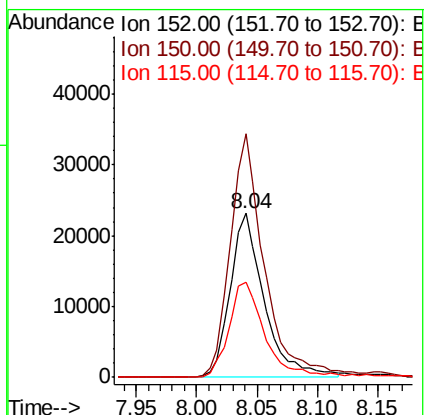
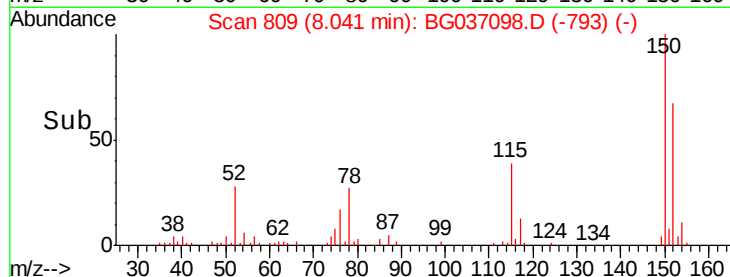
115 57.8 44.5 66.7



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: 110.661 ng

RT: 5.61 min Scan# 396

Delta R.T. -0.01 min

Lab File: BG037098.D

Acq: 2 Oct 2018 5:59

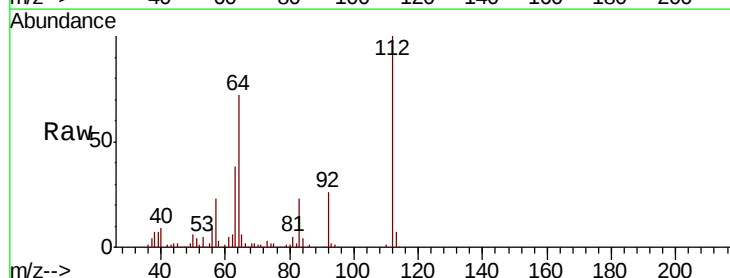
Tgt Ion:112 Resp: 262506

Ion Ratio Lower Upper

112 100

64 71.9 57.2 85.8

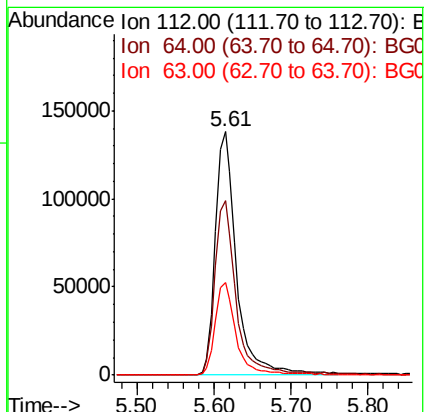
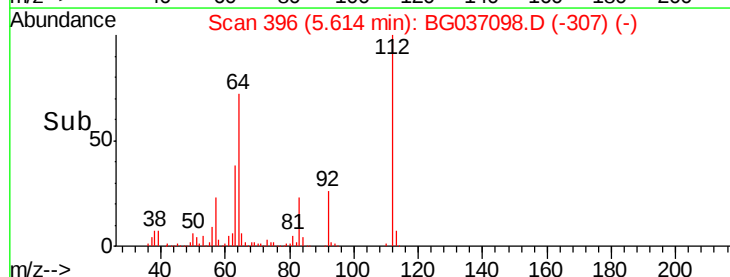
63 38.2 30.8 46.2

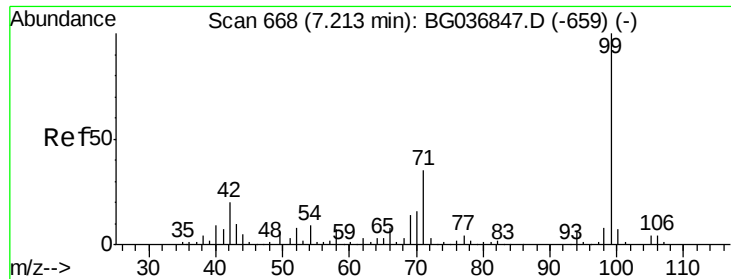


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 83.180 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037098.D

Acq: 2 Oct 2018 5:59

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-4

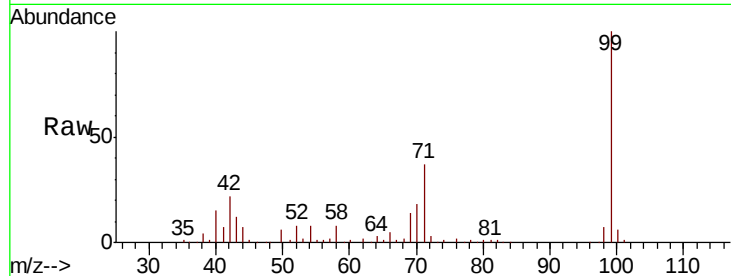
Tot Ion: 99 Resp: 305281

Ion Ratio Lower Upper

99 100

42 21.7 16.5 24.7

71 36.8 29.4 44.2

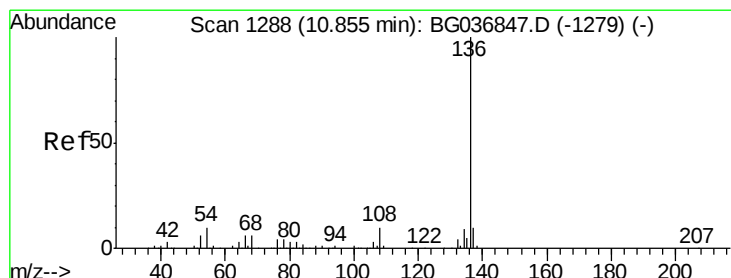
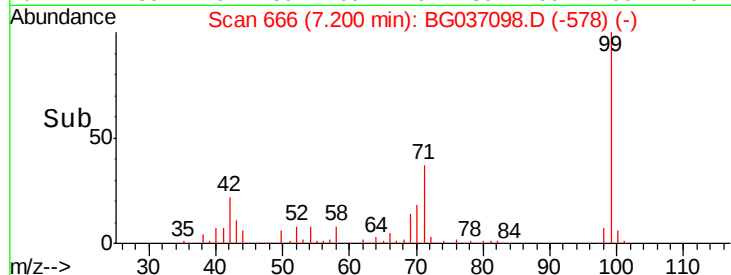
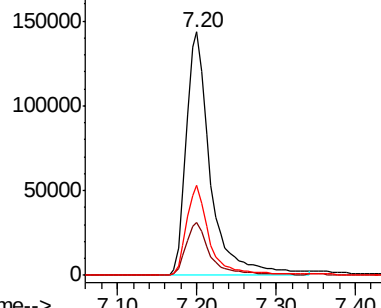


Abundance

Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.84 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BG037098.D

Acq: 2 Oct 2018 5:59

Tgt Ion: 136 Resp: 185493

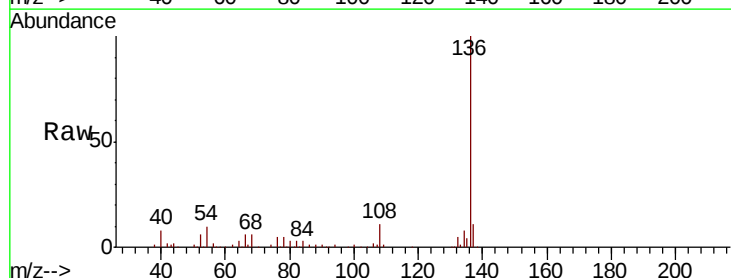
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 10.0 9.2 13.8

68 6.1 5.8 8.6



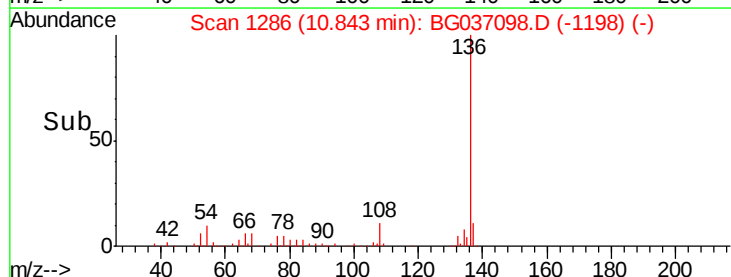
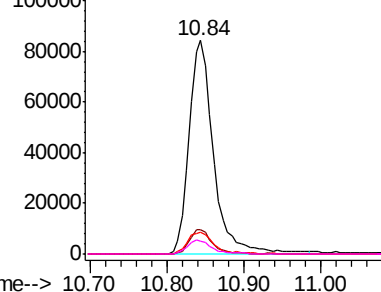
Abundance

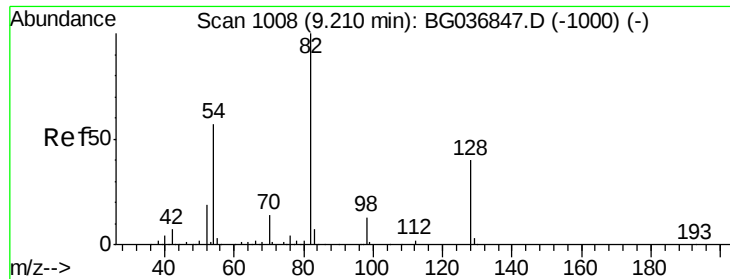
Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

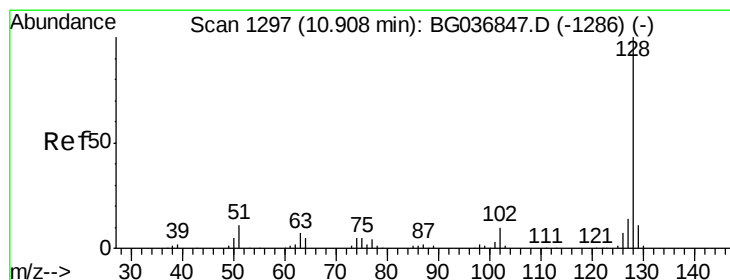
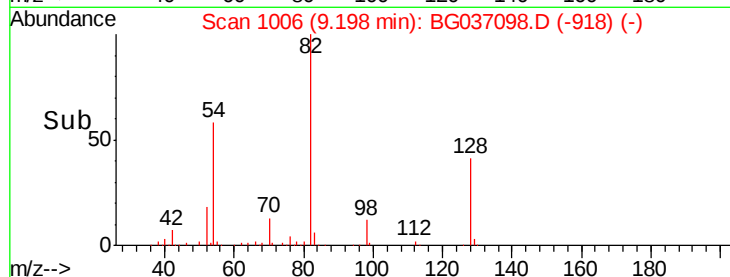
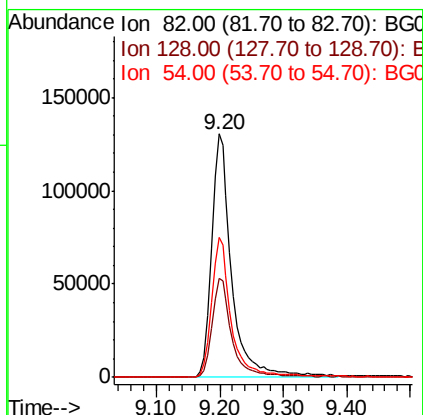
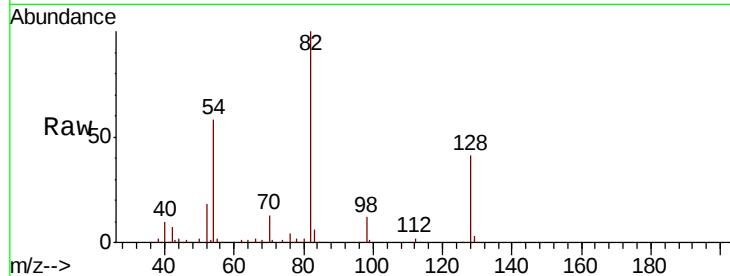




#23
Nitrobenzene-d5
Concen: 84.181 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG037098.D
Acq: 2 Oct 2018 5:59

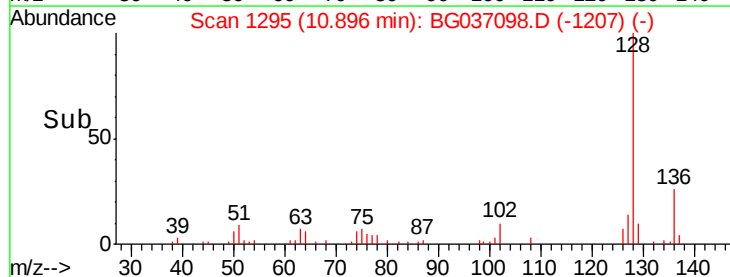
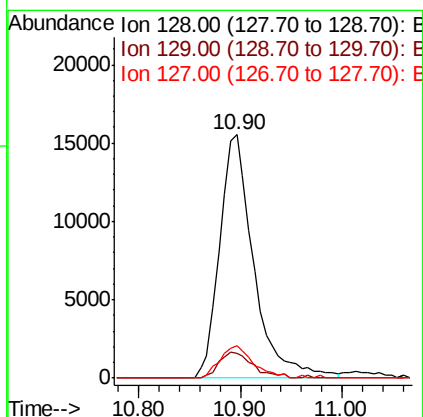
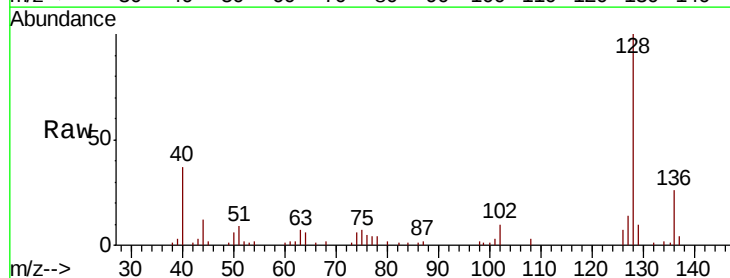
Instrument :
BNA_G
ClientSampleId :
HC-SOIL-4

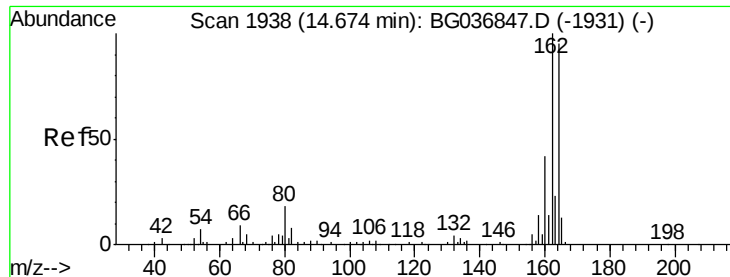
Tot Ion	82	Resp	291590
Ion Ratio	Lower	Upper	
82	100		
128	40.7	33.3	49.9
54	57.5	45.1	67.7



#31
Naphthalene
Concen: 4.109 ng
RT: 10.90 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BG037098.D
Acq: 2 Oct 2018 5:59

Tgt Ion	128	Resp	36267
Ion Ratio	Lower	Upper	
128	100		
129	10.4	9.4	14.2
127	13.5	11.0	16.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BG037098.D

Acq: 2 Oct 2018 5:59

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-4

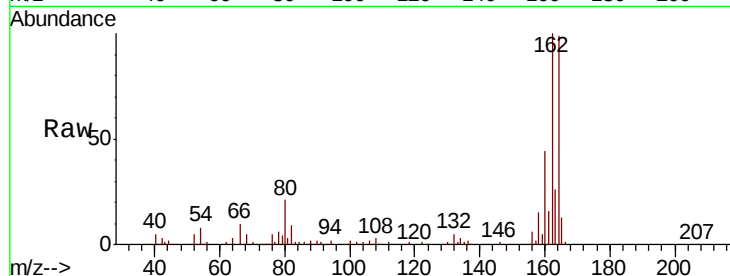
Tot Ion:164 Resp: 116584

Ion Ratio Lower Upper

164 100

162 100.9 80.7 121.1

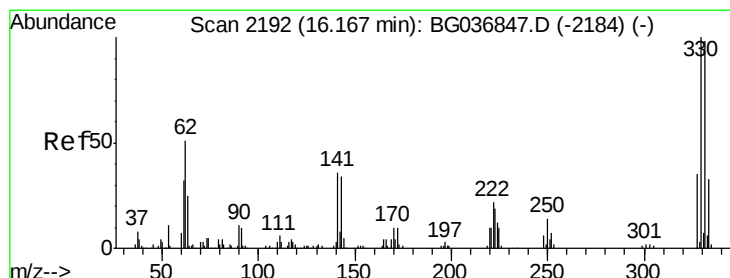
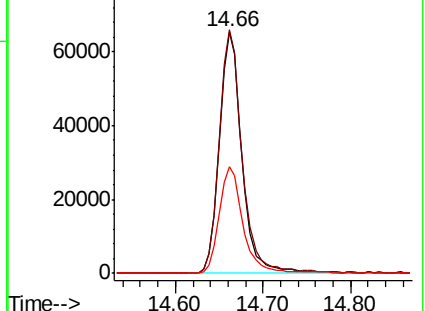
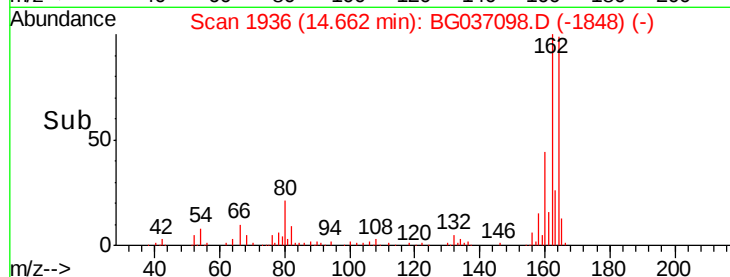
160 44.2 35.3 52.9



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: 99.088 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.02 min

Lab File: BG037098.D

Acq: 2 Oct 2018 5:59

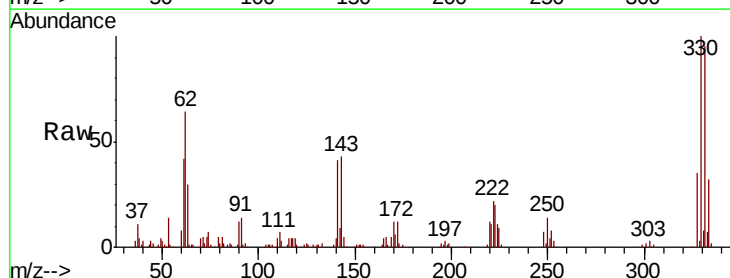
Tgt Ion:330 Resp: 138213

Ion Ratio Lower Upper

330 100

332 92.9 75.4 113.2

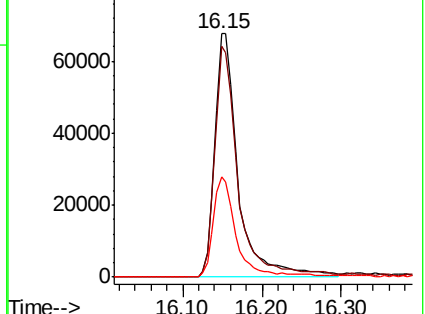
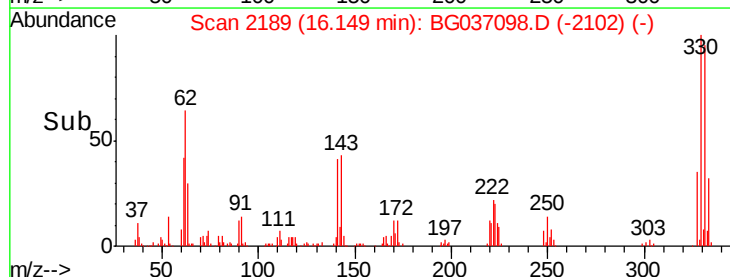
141 41.1 30.7 46.1

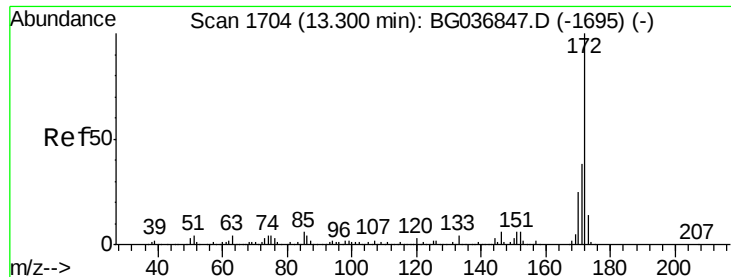


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

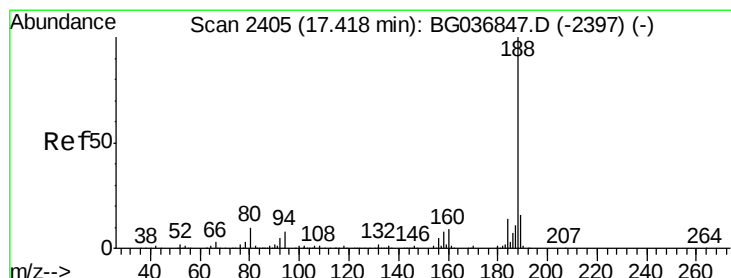
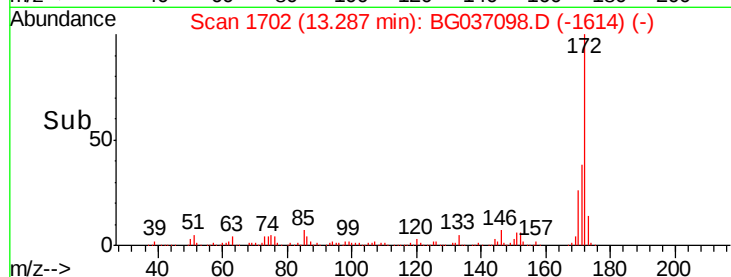
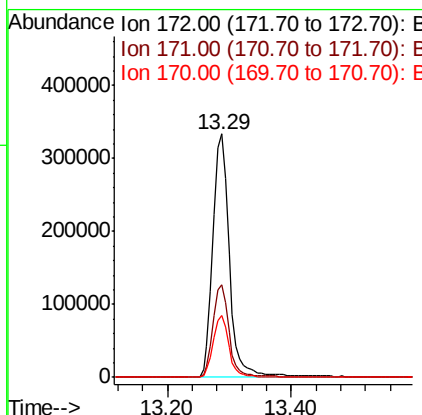
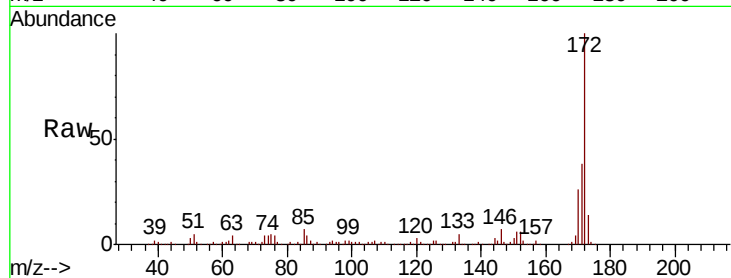




#44
 2-Fluorobiphenyl
 Concen: 79.026 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG037098.D
 Acq: 2 Oct 2018 5:59

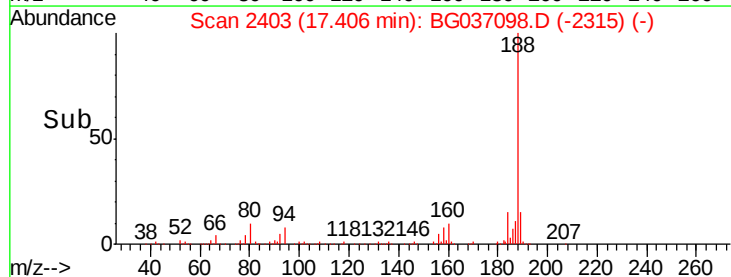
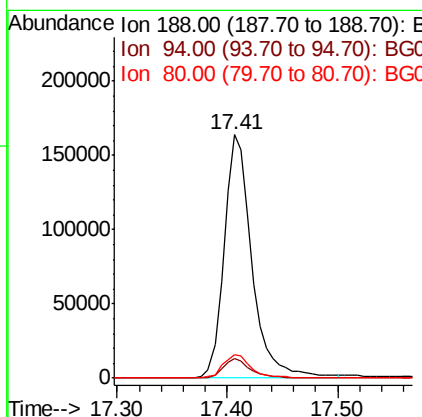
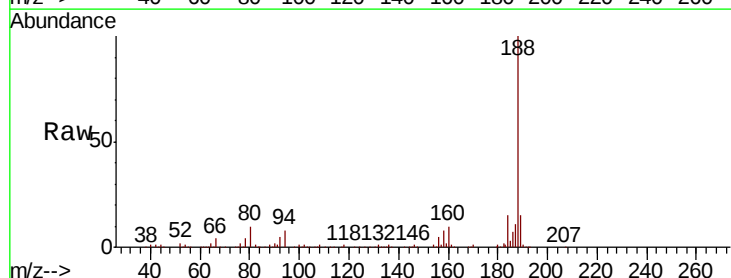
Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-4

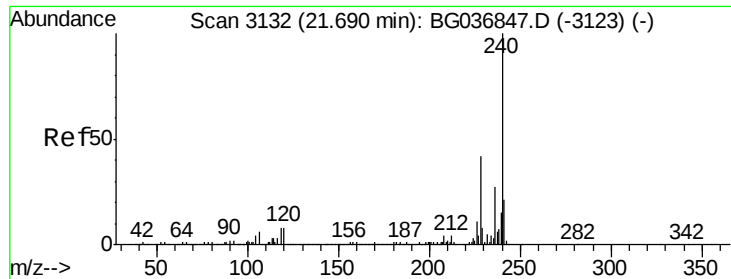
Tot Ion:172 Resp: 618585
 Ion Ratio Lower Upper
 172 100
 171 37.9 31.3 46.9
 170 25.6 21.0 31.6



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2403
 Delta R.T. -0.01 min
 Lab File: BG037098.D
 Acq: 2 Oct 2018 5:59

Tgt Ion:188 Resp: 289963
 Ion Ratio Lower Upper
 188 100
 94 8.3 6.7 10.1
 80 9.5 8.1 12.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BG037098.D

Acq: 2 Oct 2018 5:59

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-4

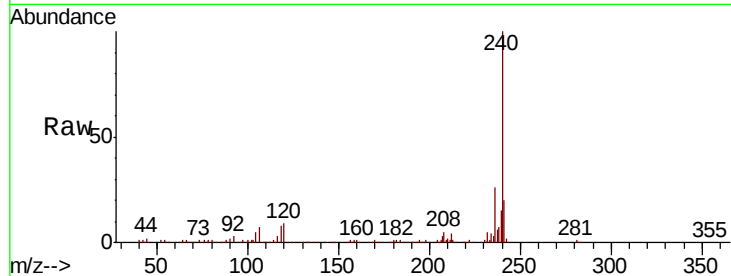
Tot Ion:240 Resp: 307317

Ion Ratio Lower Upper

240 100

120 8.7 6.9 10.3

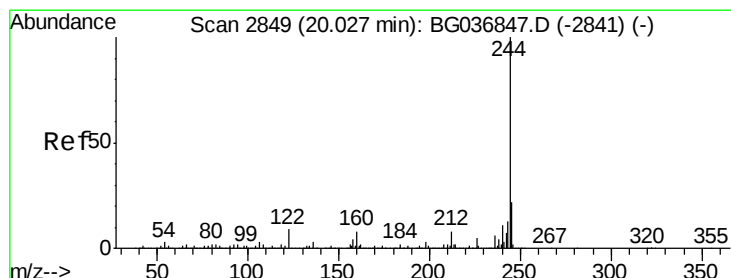
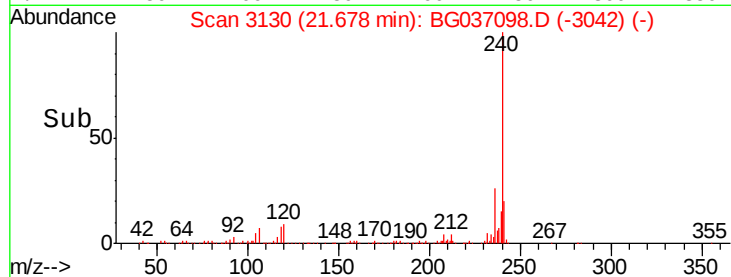
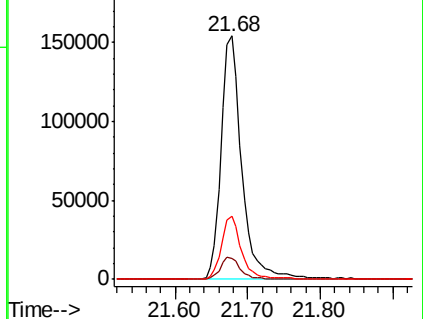
236 26.0 21.2 31.8



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



#78

Terphenyl-d14

Concen: 88.981 ng

RT: 20.01 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG037098.D

Acq: 2 Oct 2018 5:59

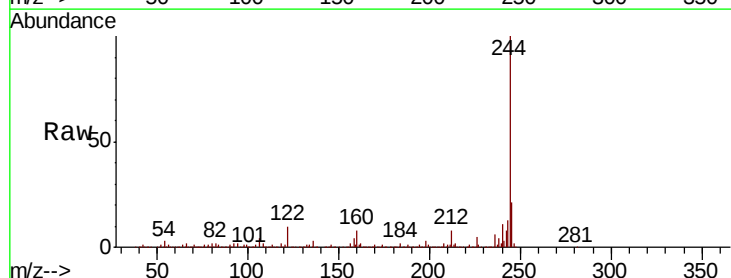
Tgt Ion:244 Resp: 1039950

Ion Ratio Lower Upper

244 100

212 8.4 7.0 10.6

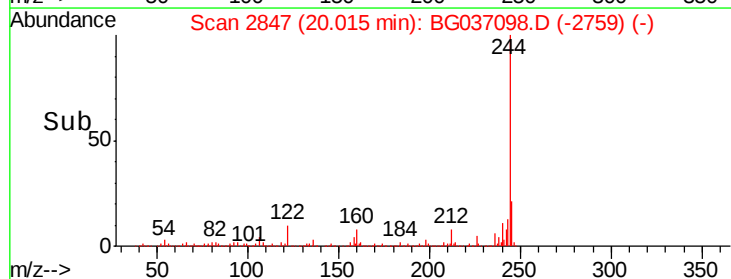
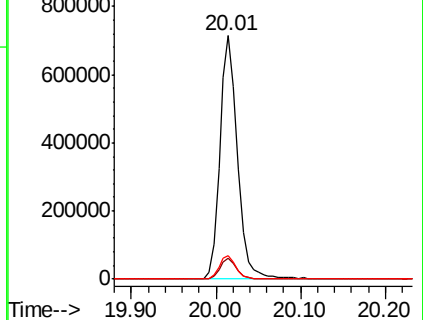
122 9.6 7.1 10.7

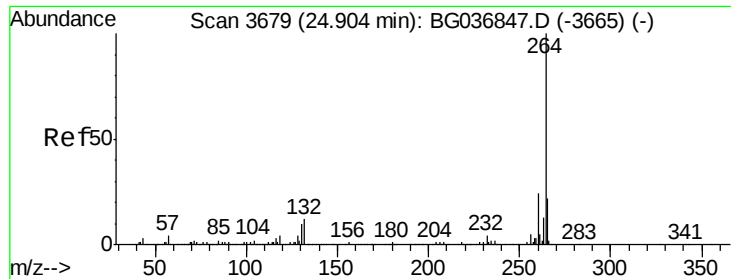


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.89 min Scan# 3676
 Delta R.T. -0.02 min
 Lab File: BG037098.D
 Acq: 2 Oct 2018 5:59

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.6	29.4
265	21.5	17.4	26.0

