

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 07:03:09 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

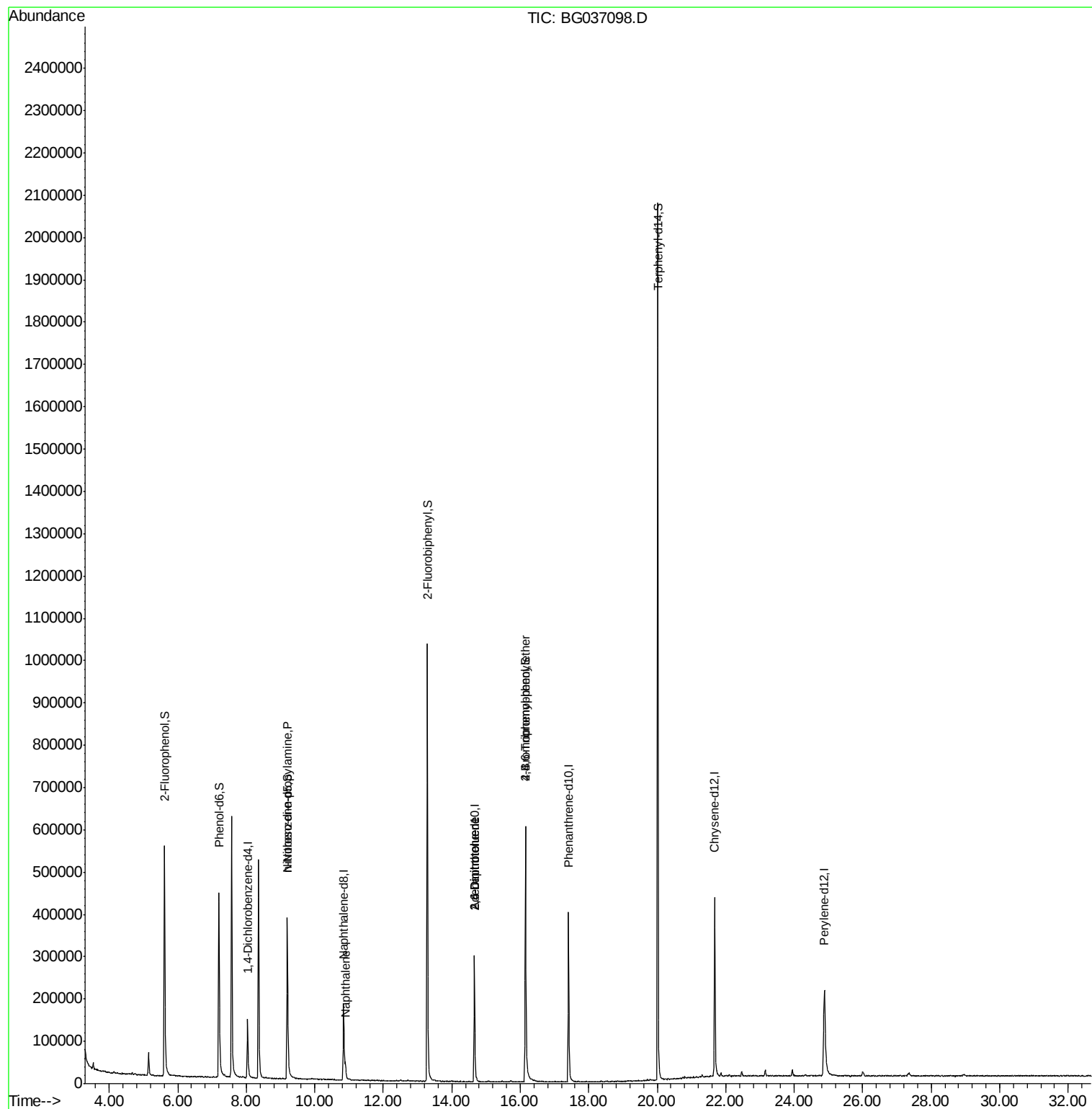
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	45493	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	185493	20.00	ng	-0.01
38) Acenaphthene-d10	14.66	164	116584	20.00	ng	-0.01
63) Phenanthrene-d10	17.41	188	289963	20.00	ng	-0.01
75) Chrysene-d12	21.68	240	307317	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						
19) n-Nitroso-di-n-propylamine	9.20	70	38291	12.541	ng	Qvalue # 71
31) Naphthalene	10.90	128	36267	4.109	ng	# 98
50) 2,6-Dinitrotoluene	14.66	165	14932	7.293	ng	# 21
56) 2,4-Dinitrotoluene	14.66	165	14933	5.227	ng	# 19
66) 4-Bromophenyl-phenylether	16.15	248	9685	2.936	ng	# 1

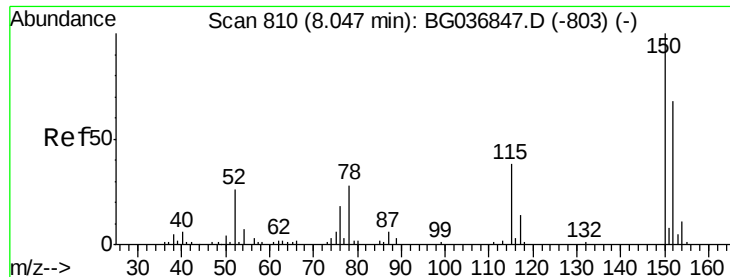
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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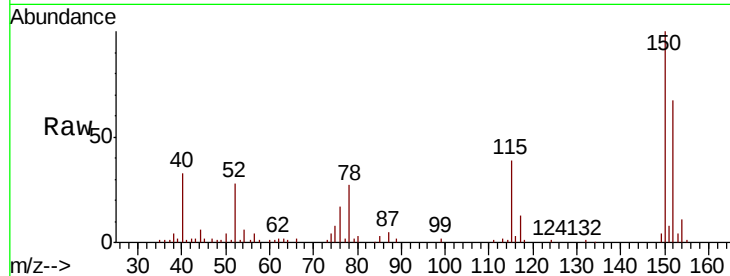


#1

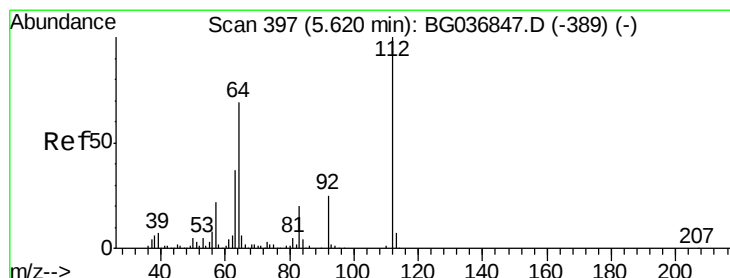
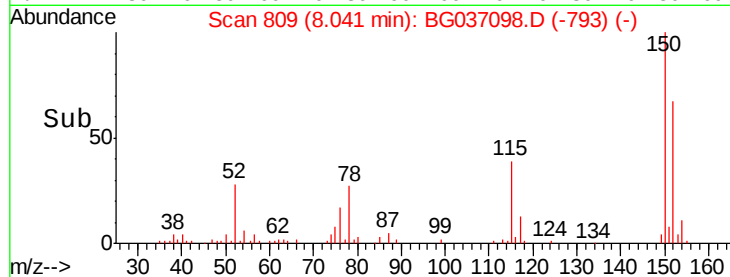
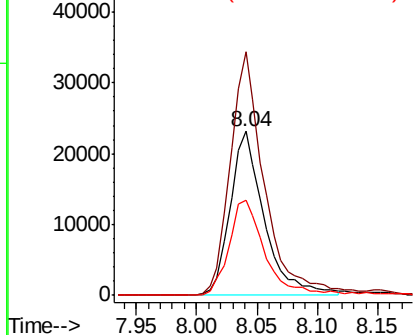
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.04 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BG037098.D
 Acq: 2 Oct 2018 5:59

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-4

Tgt Ion:152 Resp: 45493
 Ion Ratio Lower Upper
 152 100
 150 148.4 119.5 179.3
 115 57.8 44.5 66.7



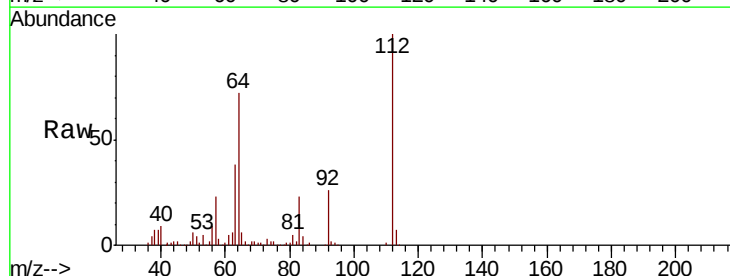
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



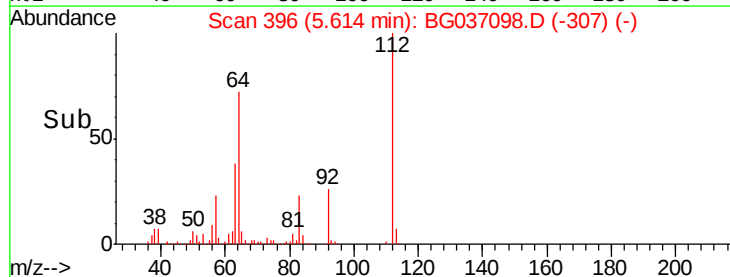
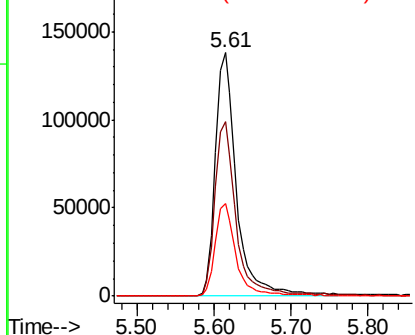
#5

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

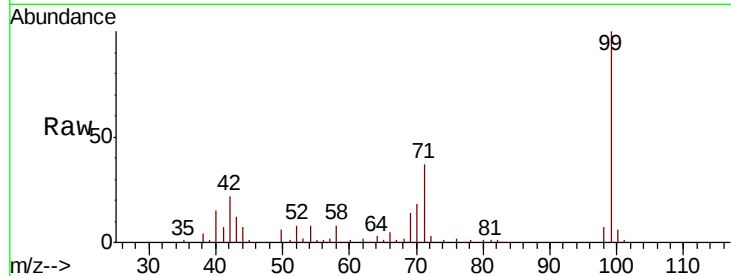
Tgt Ion: 99 Resp: 305281

Ion Ratio Lower Upper

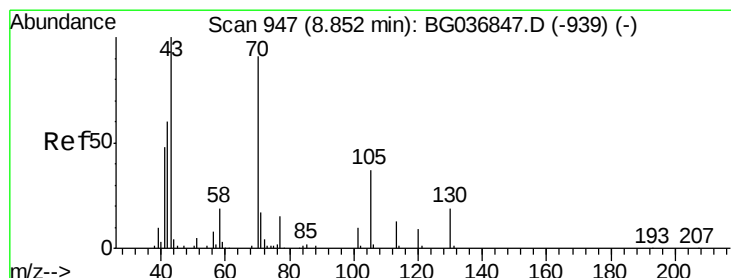
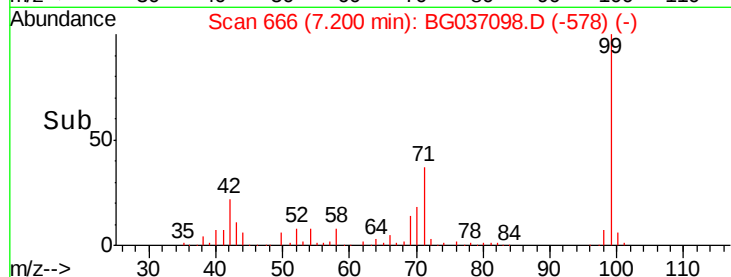
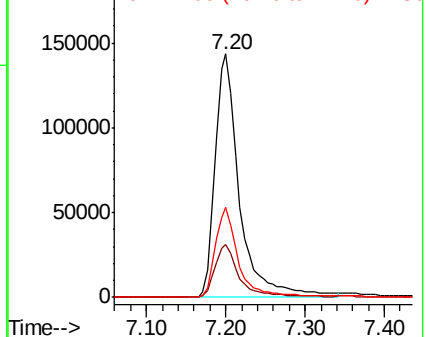
99 100

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



#19

n-Nitroso-di-n-propylamine

Concen: 12.541 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG037098.D

Acq: 2 Oct 2018 5:59

Tgt Ion: 70 Resp: 38291

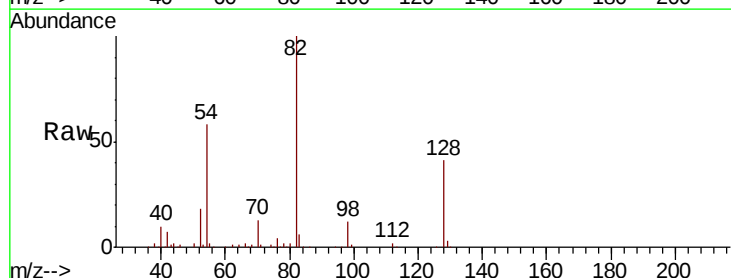
Ion Ratio Lower Upper

70 100

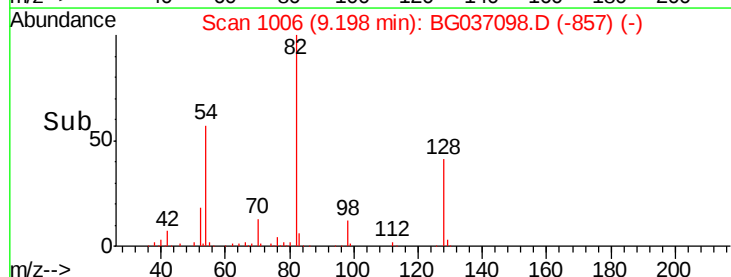
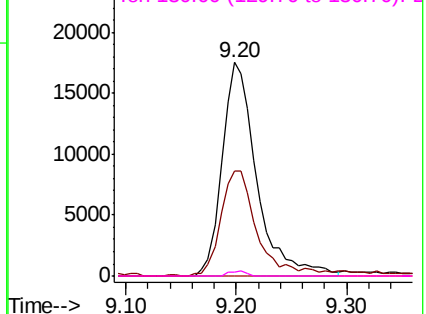
42 49.2 56.2 84.4#

101 0.0 7.8 11.6#

130 1.7 16.2 24.2#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

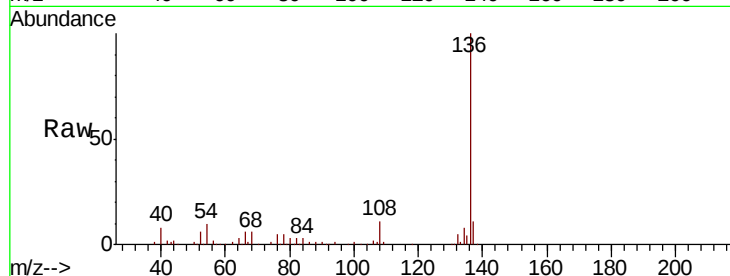




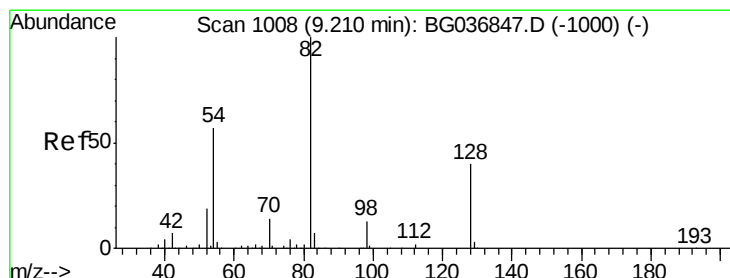
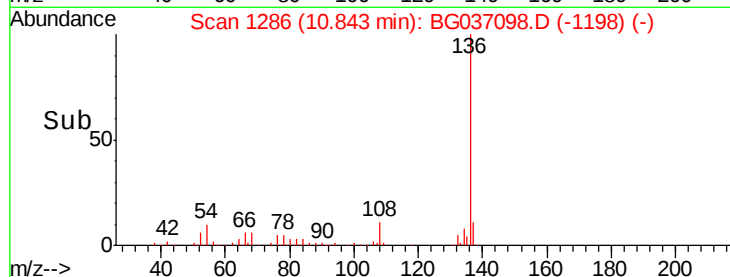
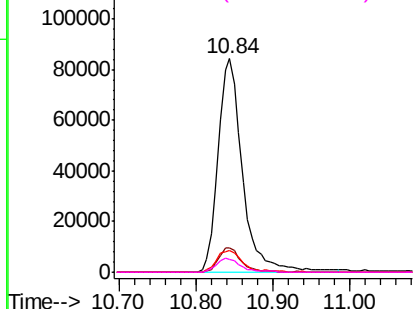
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG037098.D
Acq: 2 Oct 2018 5:59

Instrument :
BNA_G
ClientSampleId :
HC-SOIL-4

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

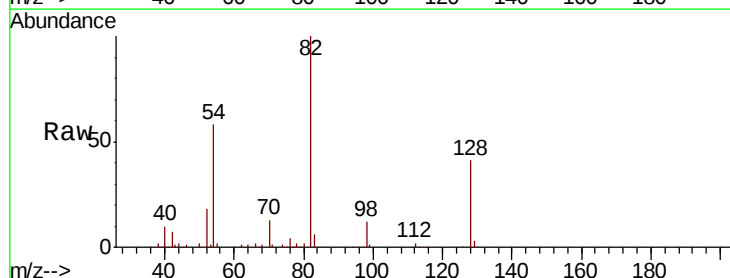


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

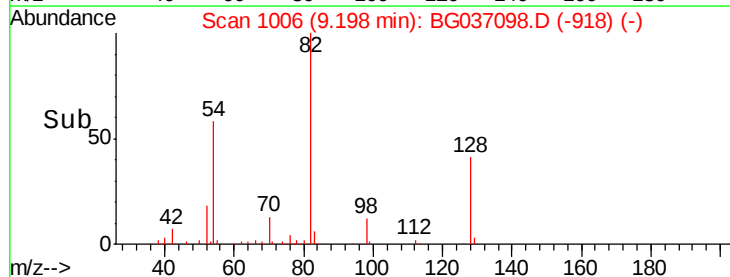
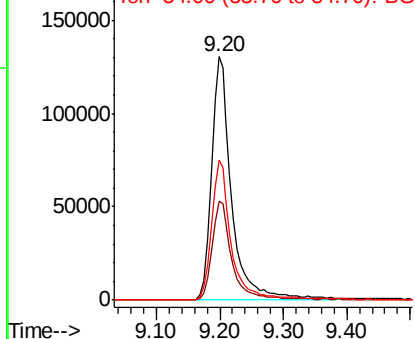


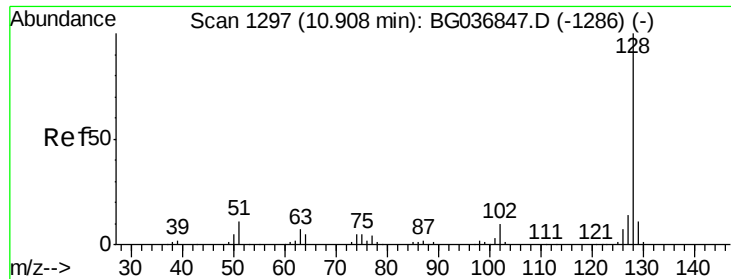
#23
Nitrobenzene-d5
Concen: 84.181 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG037098.D
Acq: 2 Oct 2018 5:59

Tgt Ion:	82	Resp:	291590
Ion	Ratio	Lower	Upper
82	100		
128	40.7	33.3	49.9
54	57.5	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

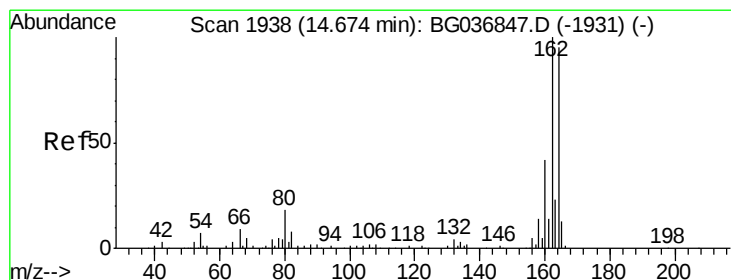
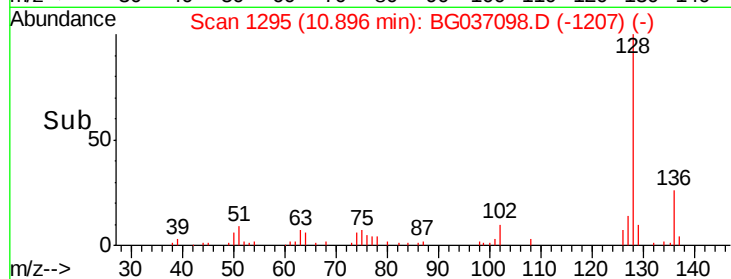
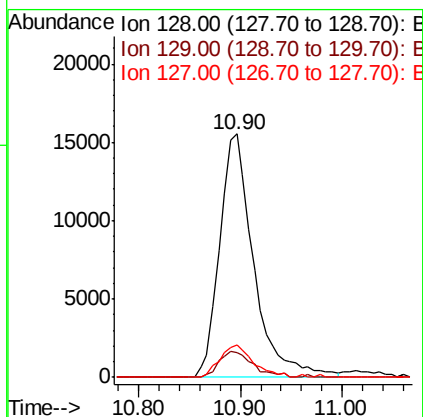
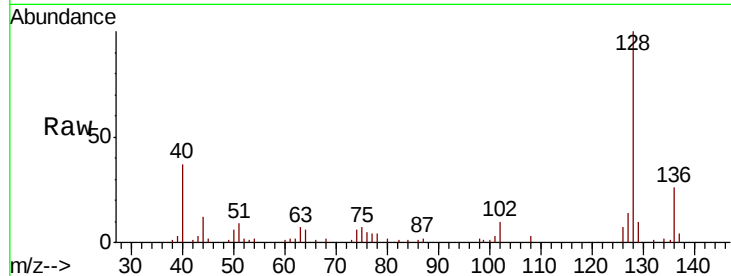




#31
Naphthalene
Concen: 4.109 ng
RT: 10.90 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BG037098.D
Acq: 2 Oct 2018 5:59

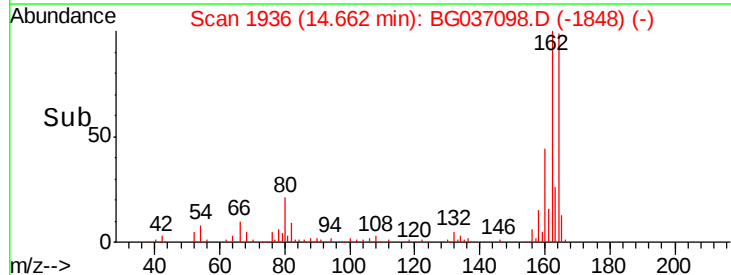
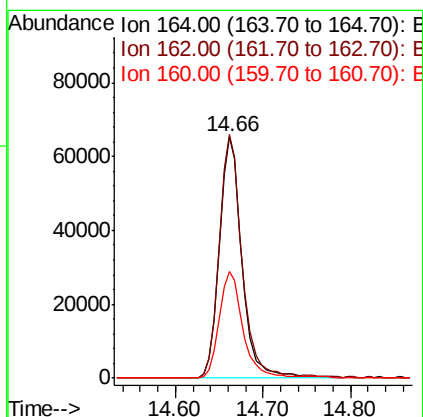
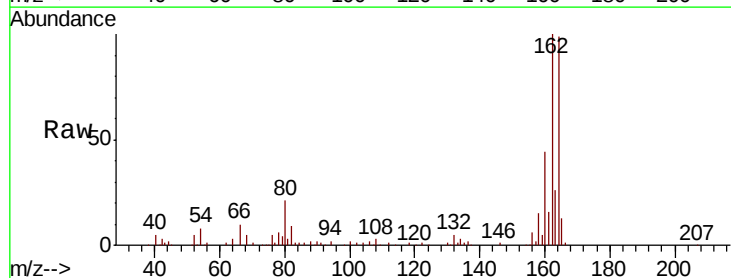
Instrument :
BNA_G
ClientSampleId :
HC-SOIL-4

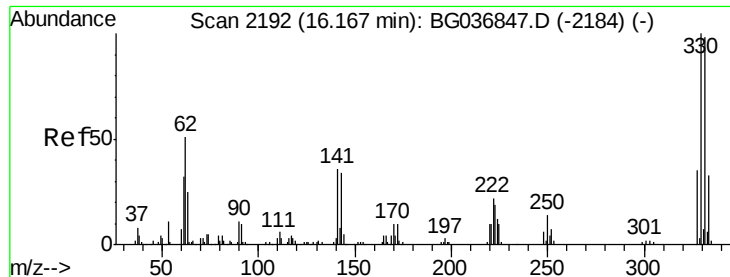
Tgt Ion:128 Resp: 36267
Ion Ratio Lower Upper
128 100
129 10.4 9.4 14.2
127 13.5 11.0 16.4



#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

Tgt Ion:164 Resp: 116584
Ion Ratio Lower Upper
164 100
162 100.9 80.7 121.1
160 44.2 35.3 52.9

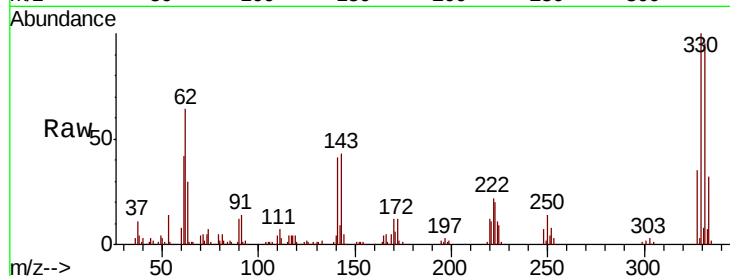




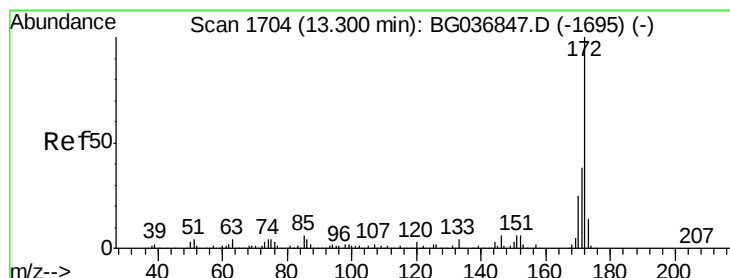
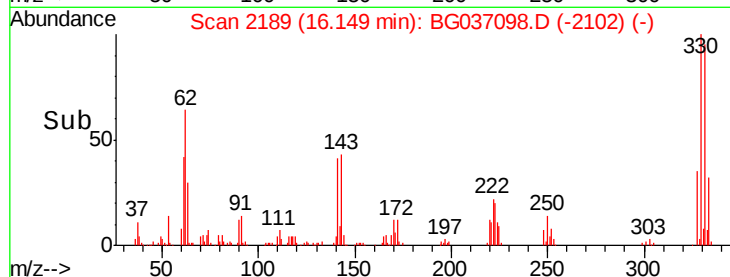
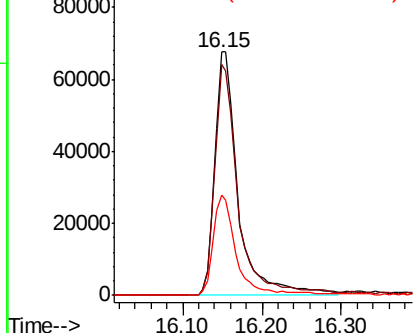
#41
 2,4,6-Tribromophenol
 Concen: 99.088 ng
 RT: 16.15 min Scan# 2189
 Delta R.T. -0.02 min
 Lab File: BG037098.D
 Acq: 2 Oct 2018 5:59

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-4

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

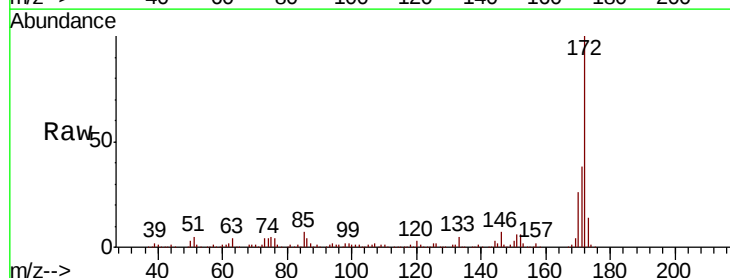


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

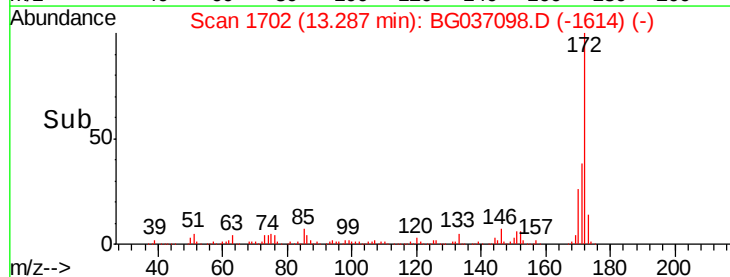
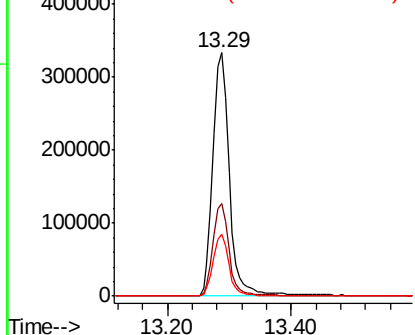


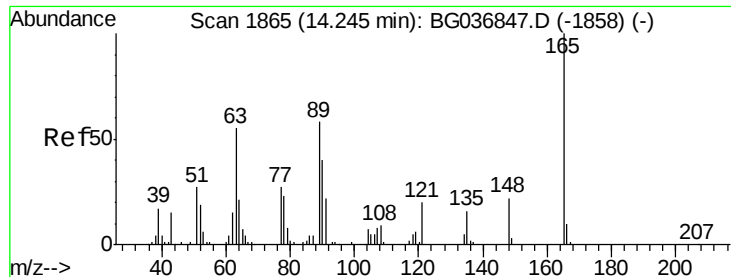
#44
 2-Fluorobiphenyl
 Concen: 79.026 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG037098.D
 Acq: 2 Oct 2018 5:59

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



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

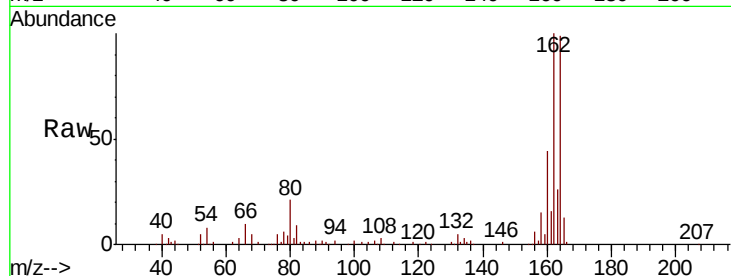




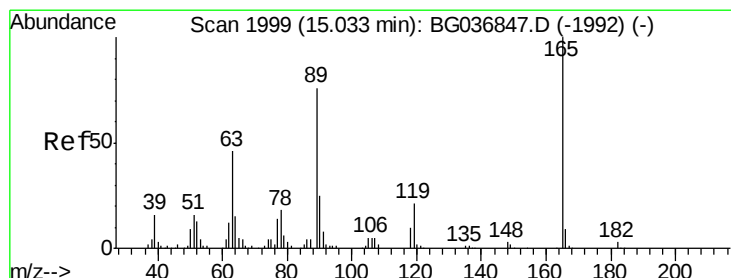
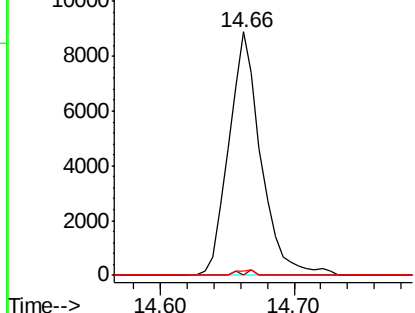
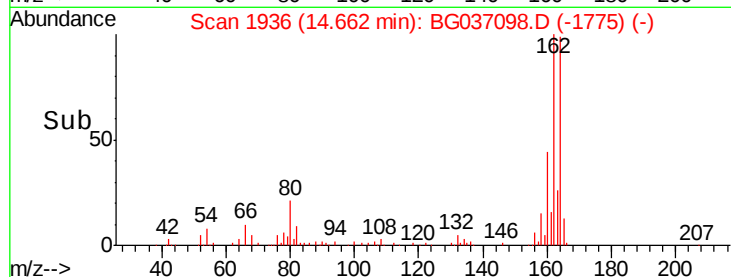
#50
 2,6-Dinitrotoluene
 Concen: 7.293 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG037098.D
 Acq: 2 Oct 2018 5:59

Instrument :
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 HC-SOIL-4

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.1	75.1#
89	1.9	47.8	71.6#

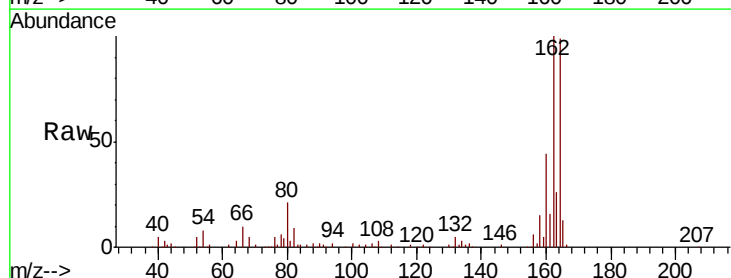


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

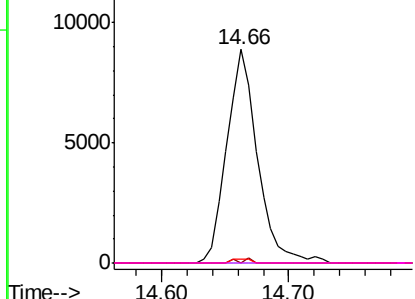
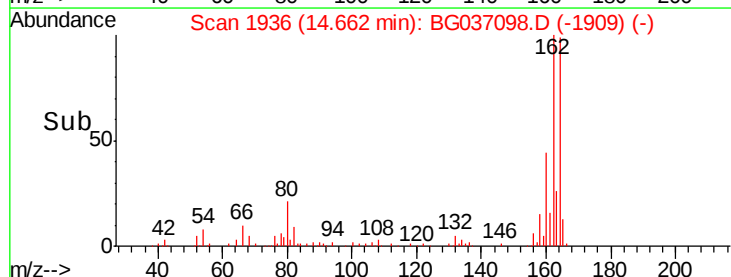


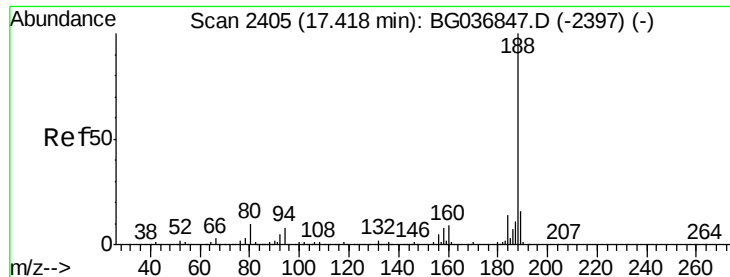
#56
 2,4-Dinitrotoluene
 Concen: 5.227 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG037098.D
 Acq: 2 Oct 2018 5:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	1.9	63.7	95.5#
182	0.0	2.5	3.7#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

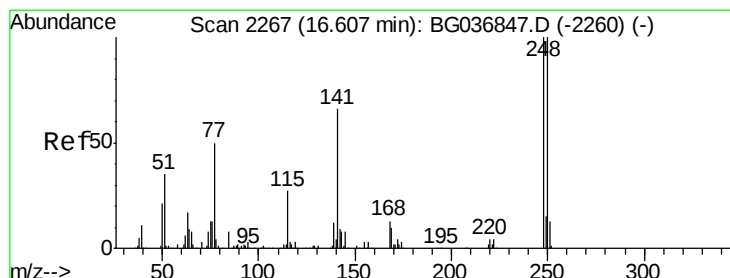
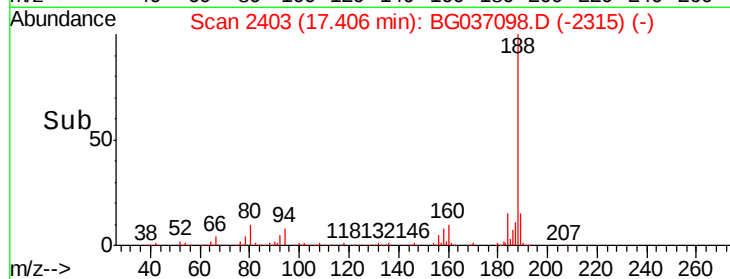
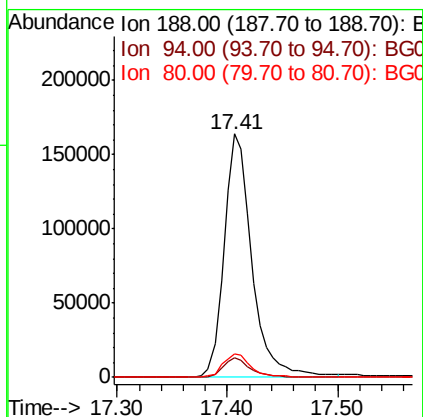
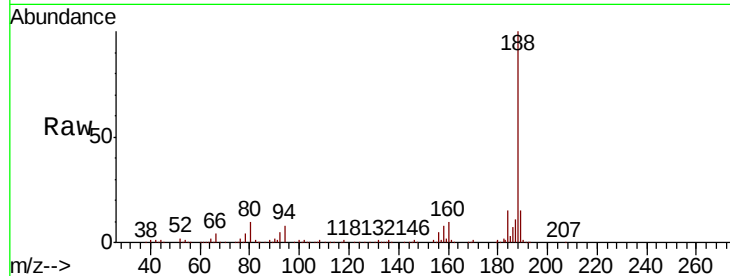




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2403
Delta R.T. -0.01 min
Lab File: BG037098.D
Acq: 2 Oct 2018 5:59

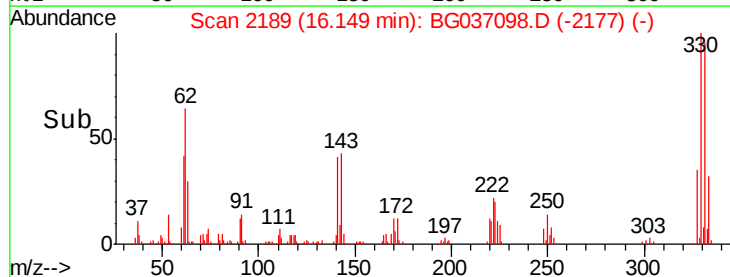
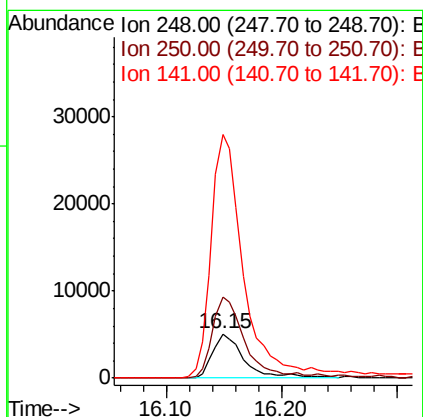
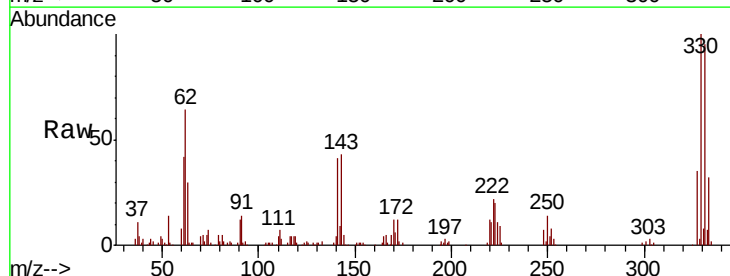
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HC-SOIL-4

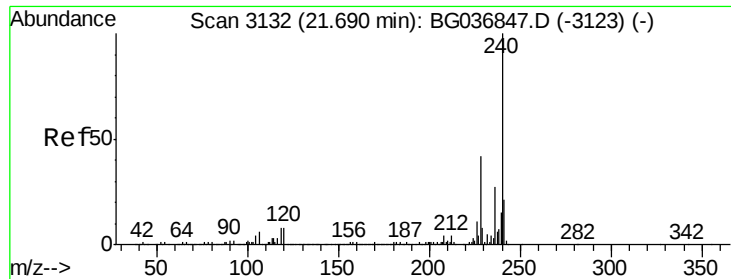
Tgt Ion:188 Resp: 289963
Ion Ratio Lower Upper
188 100
94 8.3 6.7 10.1
80 9.5 8.1 12.1



#66
4-Bromophenyl-phenylether
Concen: 2.936 ng
RT: 16.15 min Scan# 2189
Delta R.T. -0.46 min
Lab File: BG037098.D
Acq: 2 Oct 2018 5:59

Tgt Ion:248 Resp: 9685
Ion Ratio Lower Upper
248 100
250 183.7 78.1 117.1#
141 553.6 53.7 80.5#





#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

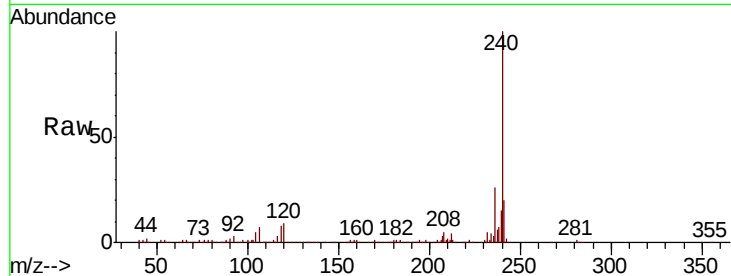
Tgt Ion:240 Resp: 307317

Ion Ratio Lower Upper

240 100

120 8.7 6.9 10.3

236 26.0 21.2 31.8

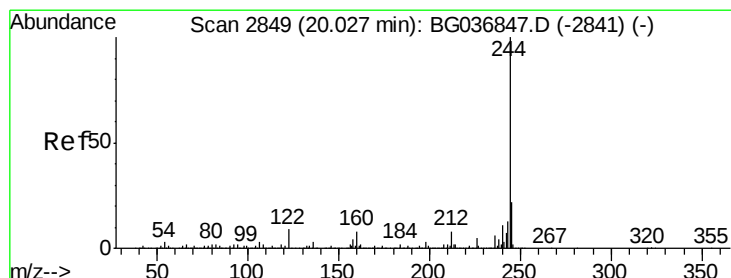
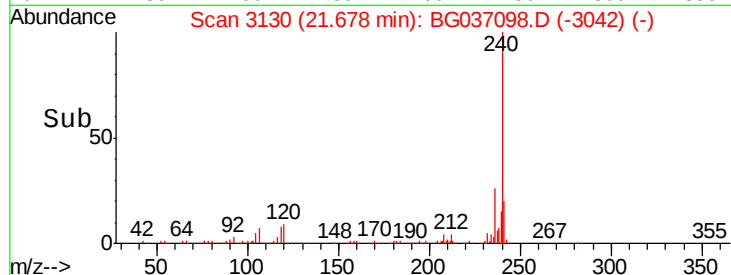
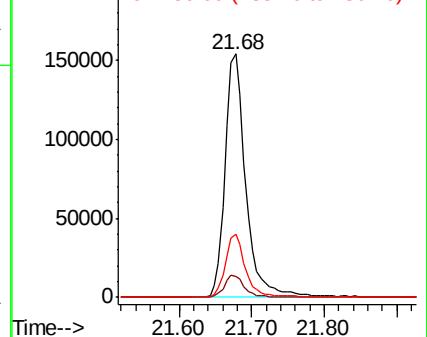


Abundance

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

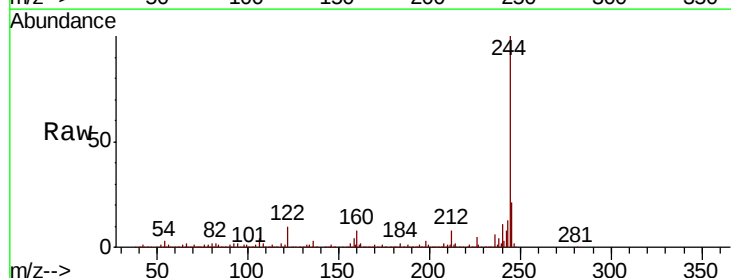
Tgt Ion:244 Resp: 1039950

Ion Ratio Lower Upper

244 100

212 8.4 7.0 10.6

122 9.6 7.1 10.7

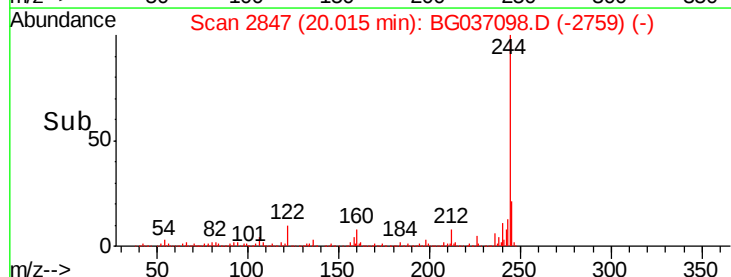
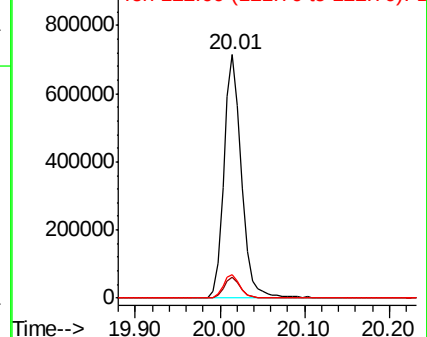


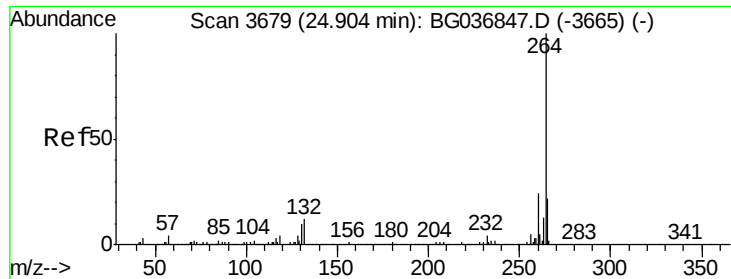
Abundance

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
Perylene-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

Tgt Ion:	264	Resp:	288664
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.6	29.4
265	21.5	17.4	26.0

