

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100118\
 Data File : BG037097.D
 Acq On : 2 Oct 2018 5:20
 Operator : JU/SJ
 Sample : J5170-18
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-3

Quant Time: Oct 02 07:02:59 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

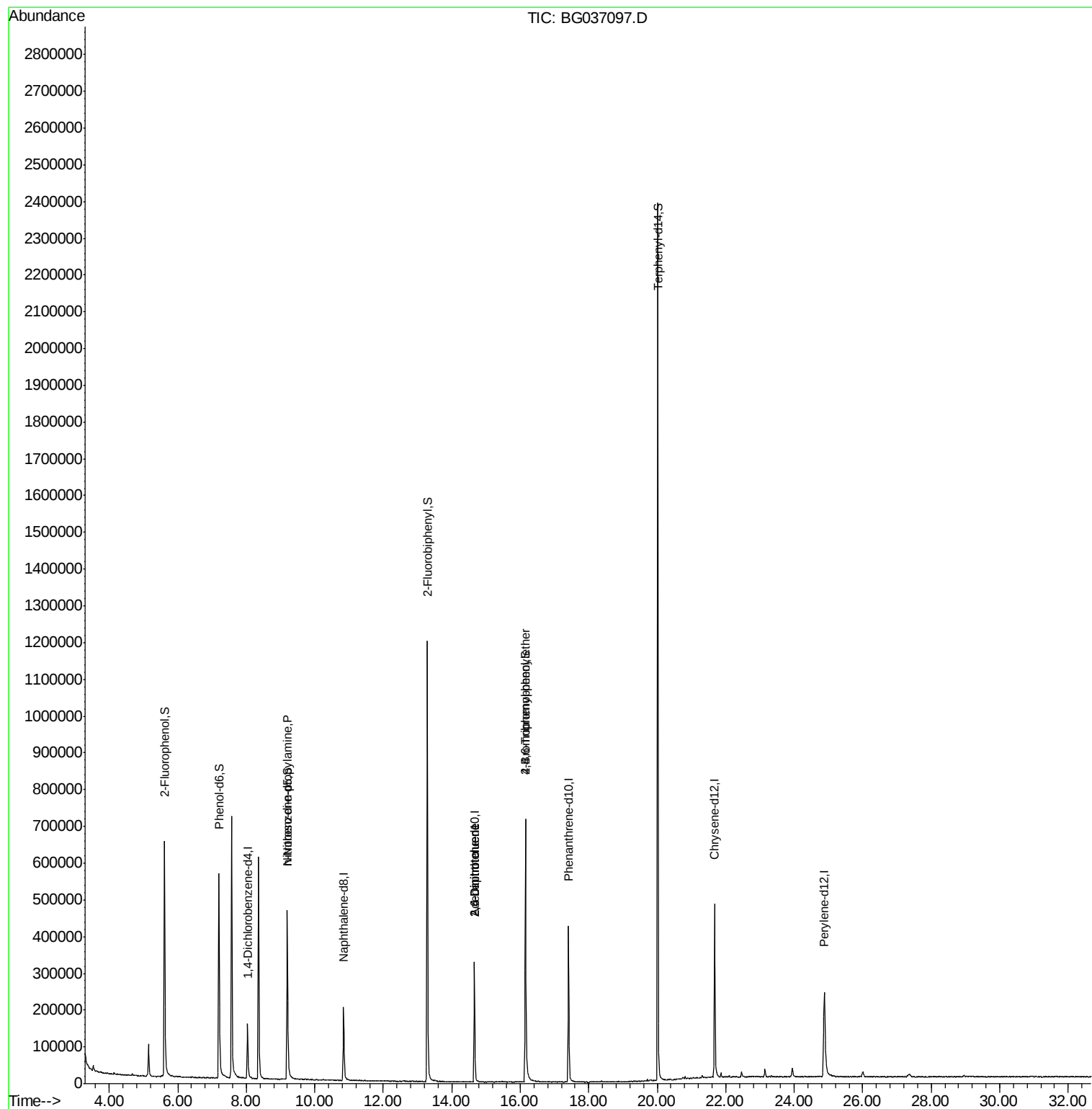
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	50564	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	205305	20.00	ng	-0.01
38) Acenaphthene-d10	14.66	164	128883	20.00	ng	-0.01
63) Phenanthrene-d10	17.41	188	323026	20.00	ng	-0.01
75) Chrysene-d12	21.67	240	332092	20.00	ng	-0.02
86) Perylene-d12	24.87	264	305625	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	309344	117.33	ng	0.00
7) Phenol-d6	7.20	99	369623	90.61	ng	-0.01
23) Nitrobenzene-d5	9.20	82	335771	87.58	ng	-0.01
41) 2,4,6-Tribromophenol	16.15	330	157830	102.35	ng	-0.02
44) 2-Fluorobiphenyl	13.29	172	713206	82.42	ng	-0.01
78) Terphenyl-d14	20.02	244	1182634	93.64	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	42954	12.658	ng	# 75
50) 2,6-Dinitrotoluene	14.66	165	16133	7.128	ng	# 21
56) 2,4-Dinitrotoluene	14.66	165	16133	5.108	ng	# 19
66) 4-Bromophenyl-phenylether	16.15	248	10350	2.817	ng	# 1

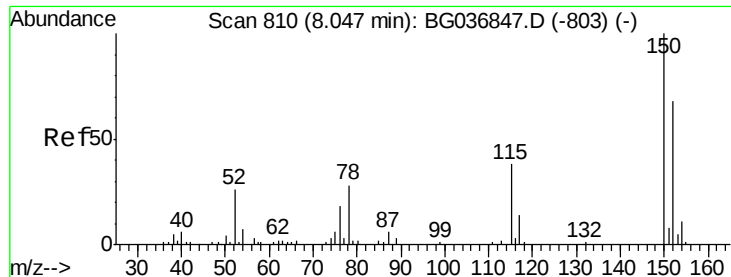
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG037097.D

Acq: 2 Oct 2018 5:20

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-3

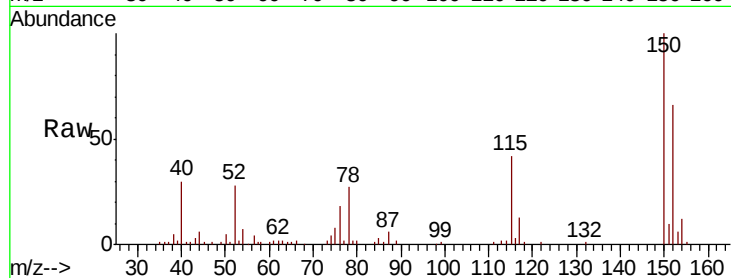
Tgt Ion:152 Resp: 50564

Ion Ratio Lower Upper

152 100

150 152.4 119.5 179.3

115 64.1 44.5 66.7

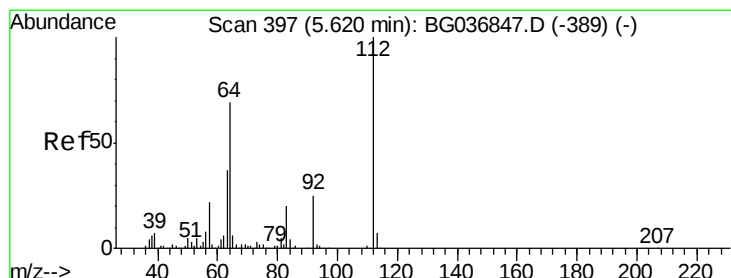
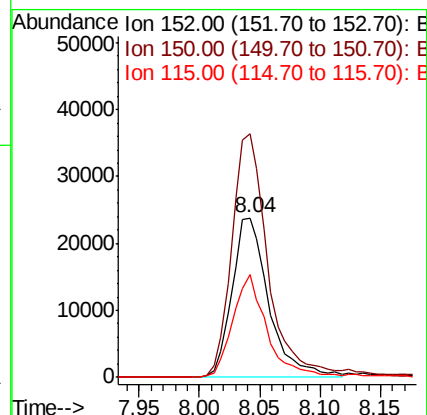
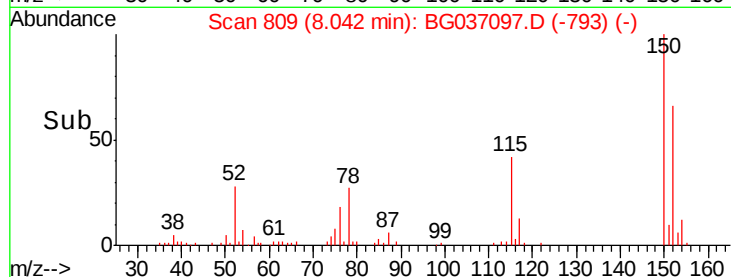


Abundance

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: 117.327 ng

RT: 5.62 min Scan# 396

Delta R.T. -0.01 min

Lab File: BG037097.D

Acq: 2 Oct 2018 5:20

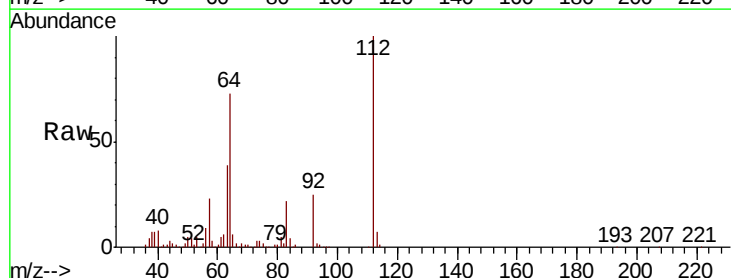
Tgt Ion:112 Resp: 309344

Ion Ratio Lower Upper

112 100

64 72.8 57.2 85.8

63 39.1 30.8 46.2

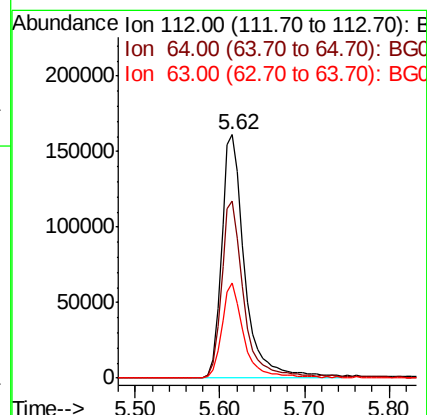
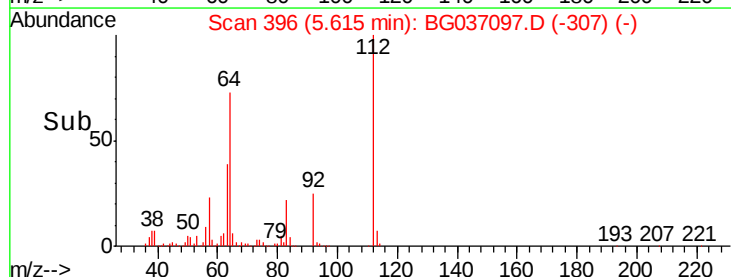


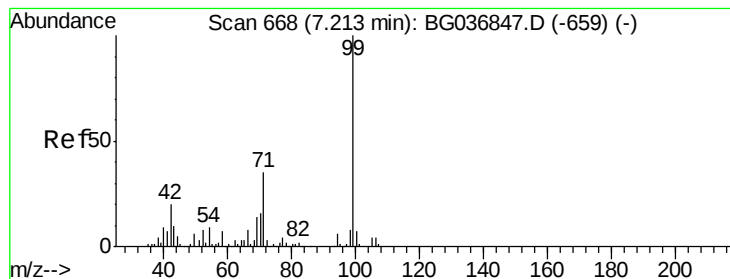
Abundance

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: 90.611 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037097.D

Acq: 2 Oct 2018 5:20

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-3

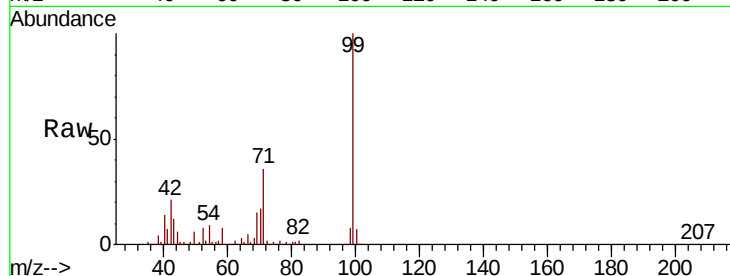
Tgt Ion: 99 Resp: 369623

Ion Ratio Lower Upper

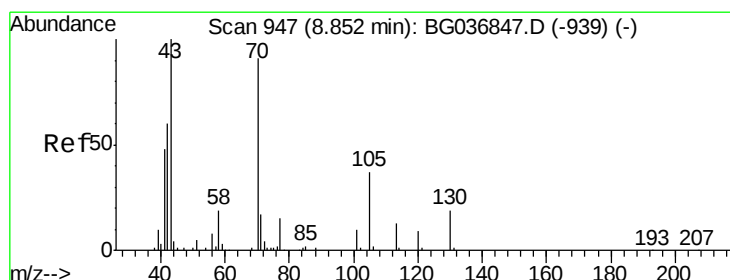
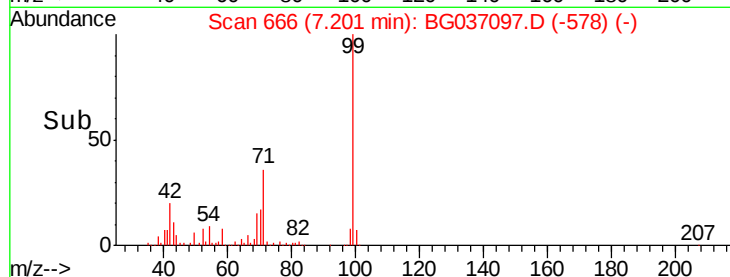
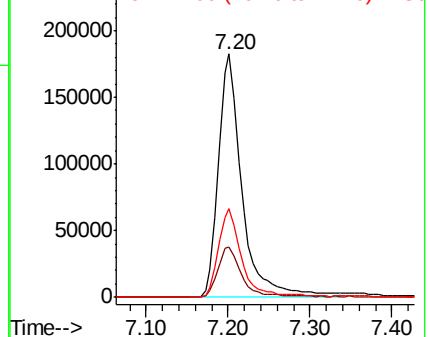
99 100

42 20.6 16.5 24.7

71 36.3 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: 12.658 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG037097.D

Acq: 2 Oct 2018 5:20

Tgt Ion: 70 Resp: 42954

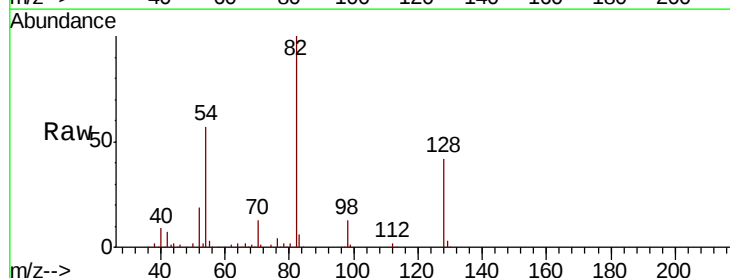
Ion Ratio Lower Upper

70 100

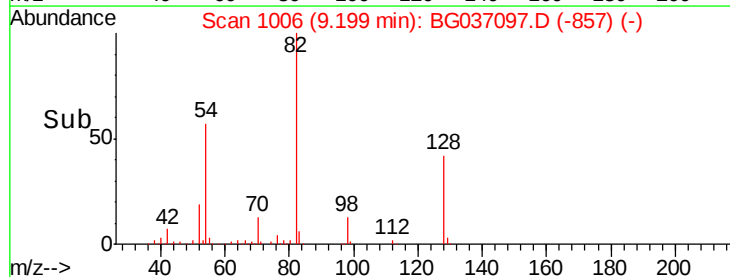
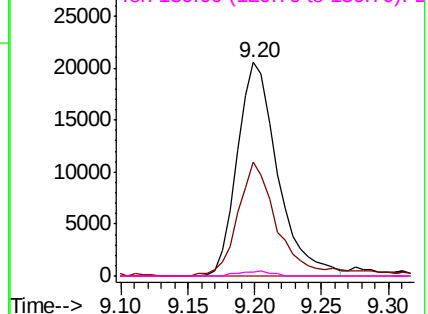
42 53.2 56.2 84.4#

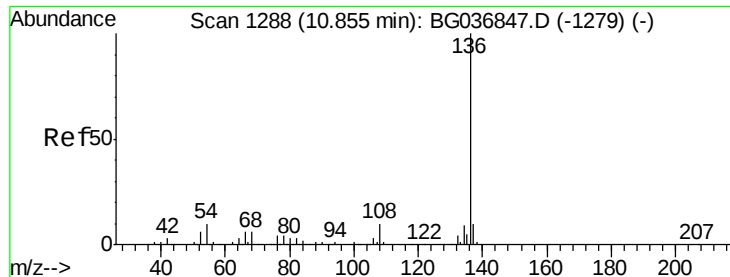
101 0.0 7.8 11.6#

130 2.0 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

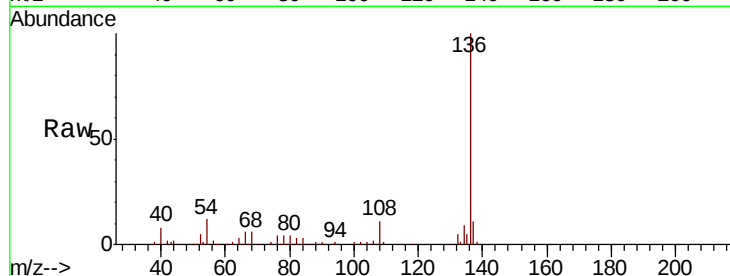




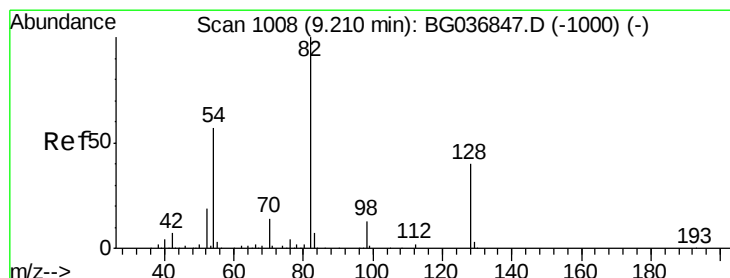
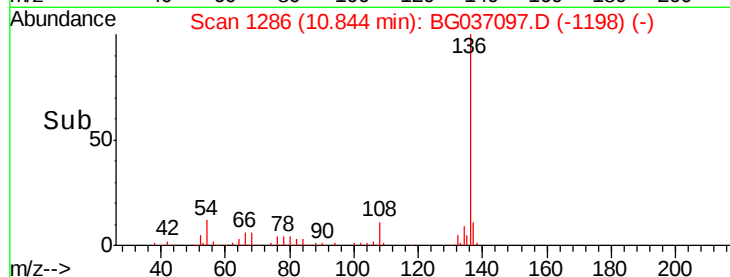
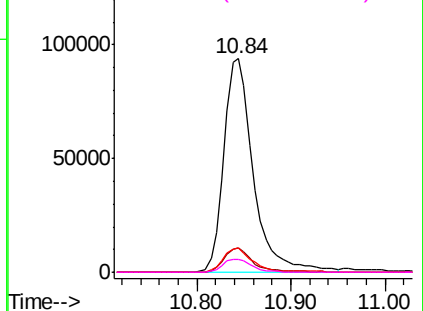
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG037097.D
Acq: 2 Oct 2018 5:20

Instrument :
BNA_G
ClientSampleId :
HC-SOIL-3

Tgt Ion:	136	Resp:	205305
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	11.5	9.2	13.8
68	6.1	5.8	8.6

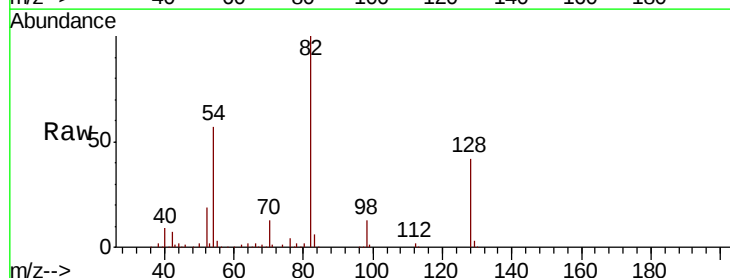


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

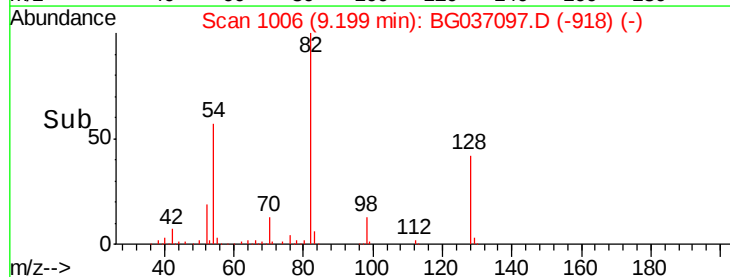
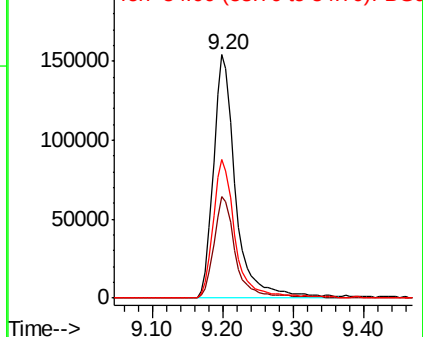


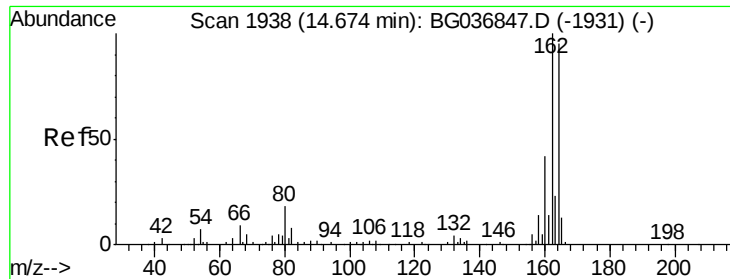
#23
Nitrobenzene-d5
Concen: 87.581 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG037097.D
Acq: 2 Oct 2018 5:20

Tgt Ion:	82	Resp:	335771
Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.3	49.9
54	57.2	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: 14.66 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BG037097.D

Acq: 2 Oct 2018 5:20

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-3

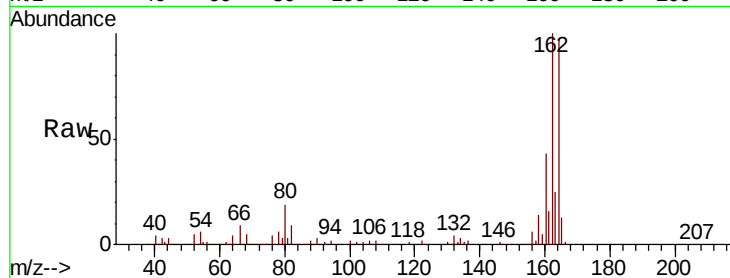
Tgt Ion:164 Resp: 128883

Ion Ratio Lower Upper

164 100

162 103.6 80.7 121.1

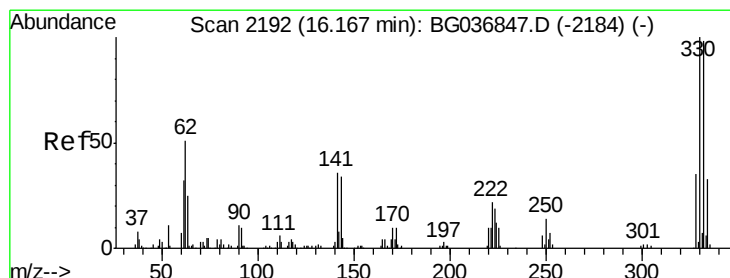
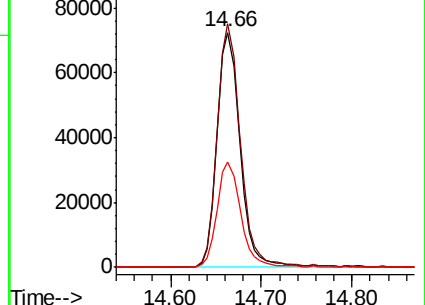
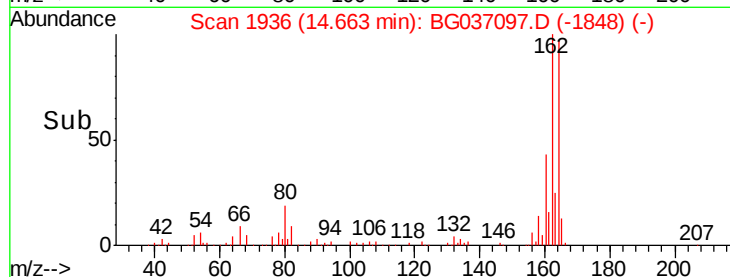
160 44.7 35.3 52.9



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: 102.354 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.02 min

Lab File: BG037097.D

Acq: 2 Oct 2018 5:20

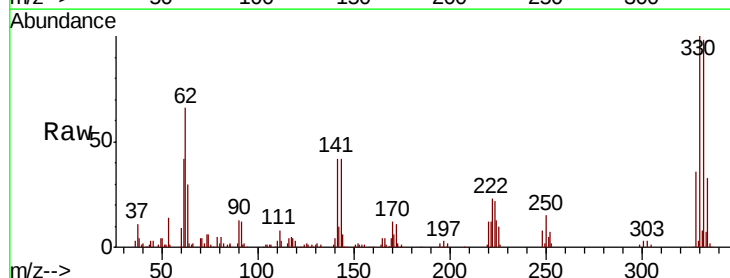
Tgt Ion:330 Resp: 157830

Ion Ratio Lower Upper

330 100

332 96.7 75.4 113.2

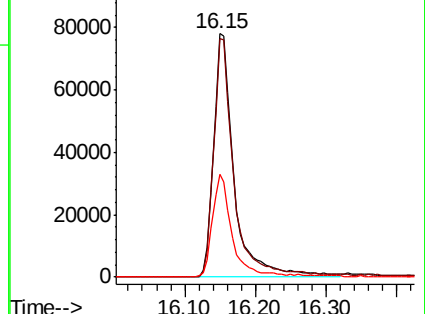
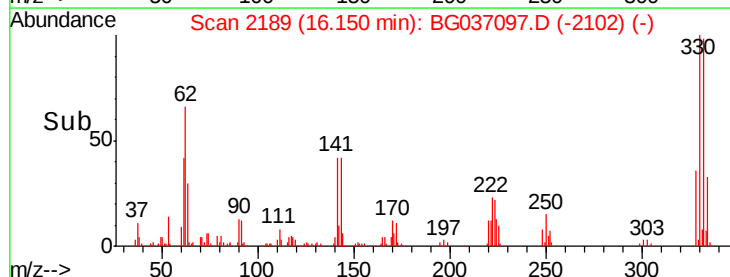
141 40.0 30.7 46.1

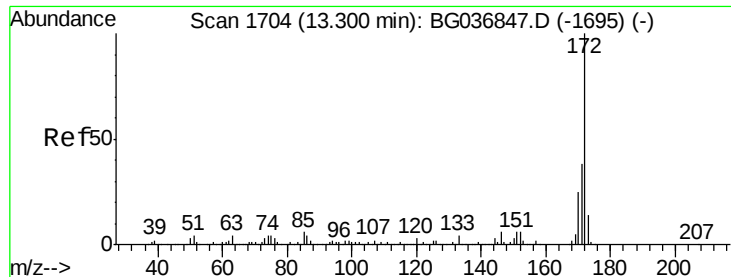


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

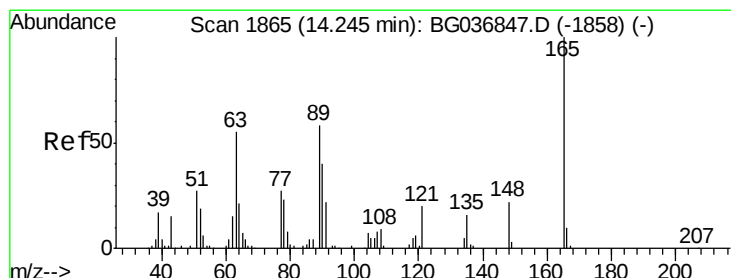
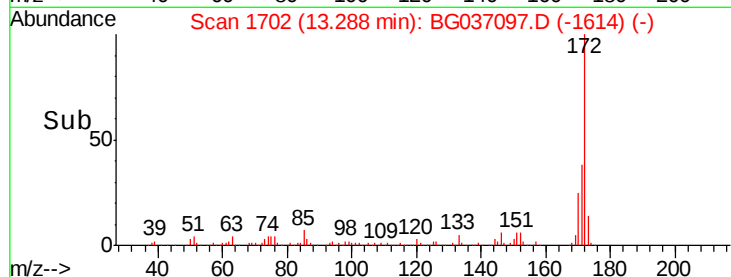
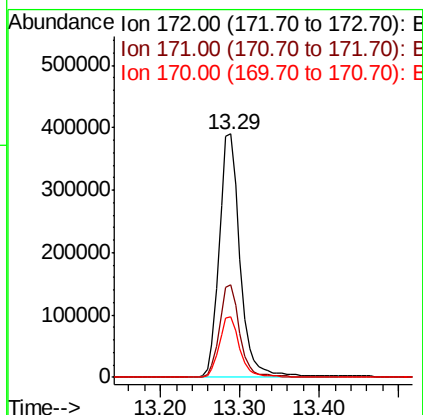
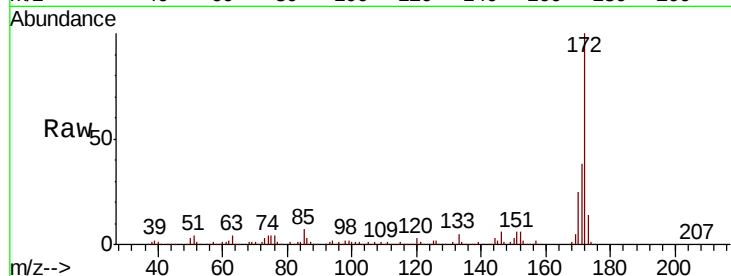




#44
2-Fluorobiphenyl
Concen: 82.419 ng
RT: 13.29 min Scan# 1702
Delta R.T. -0.01 min
Lab File: BG037097.D
Acq: 2 Oct 2018 5:20

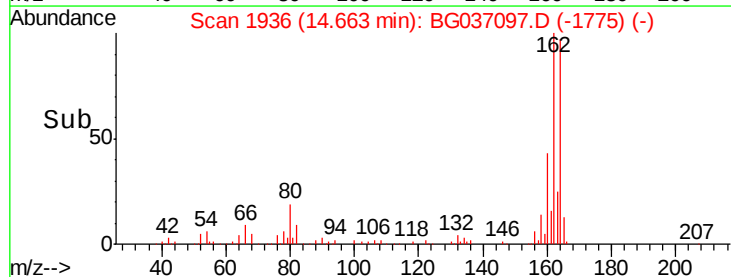
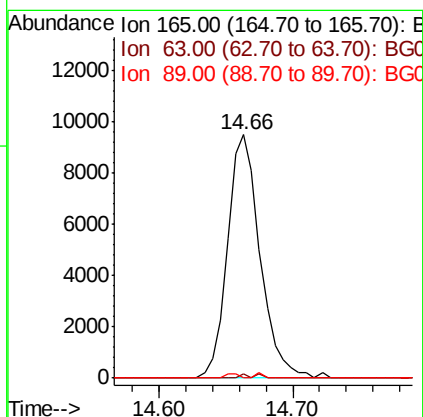
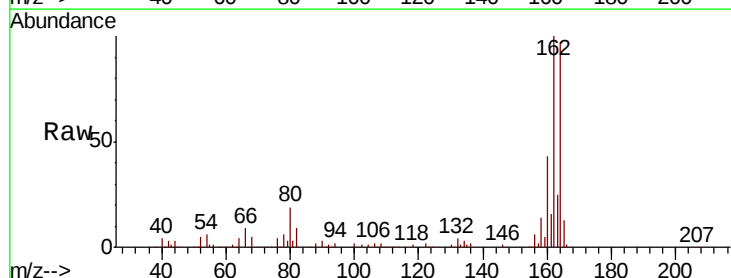
Instrument :
BNA_G
ClientSampled :
HC-SOIL-3

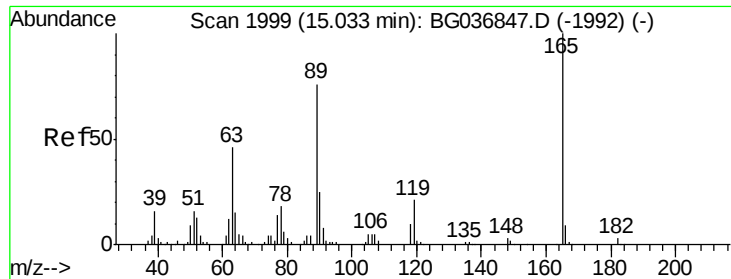
Tgt Ion:172 Resp: 713206
Ion Ratio Lower Upper
172 100
171 38.0 31.3 46.9
170 24.8 21.0 31.6



#50
2,6-Dinitrotoluene
Concen: 7.128 ng
RT: 14.66 min Scan# 1936
Delta R.T. 0.42 min
Lab File: BG037097.D
Acq: 2 Oct 2018 5:20

Tgt Ion:165 Resp: 16133
Ion Ratio Lower Upper
165 100
63 1.7 50.1 75.1#
89 0.0 47.8 71.6#

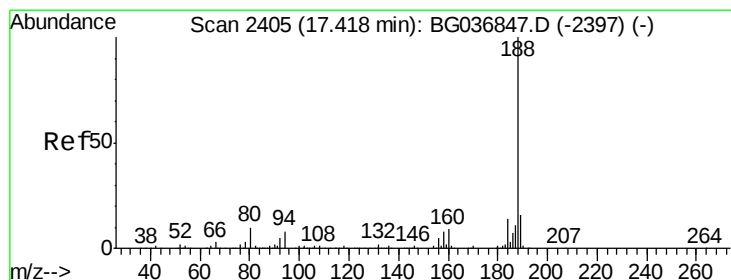
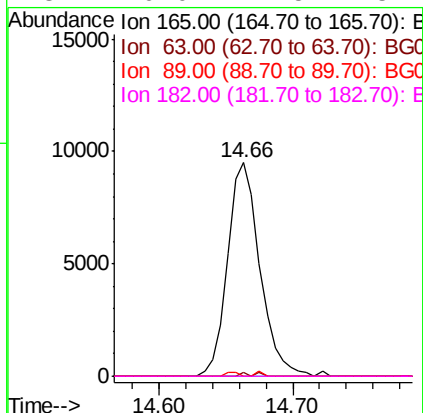
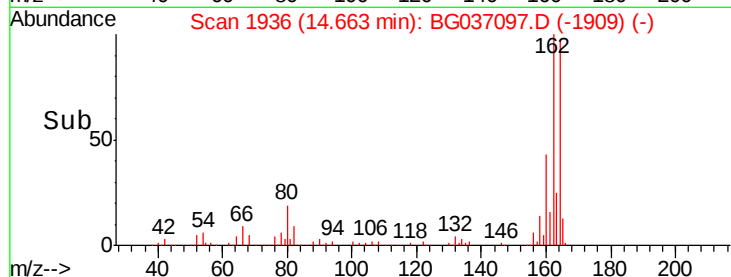
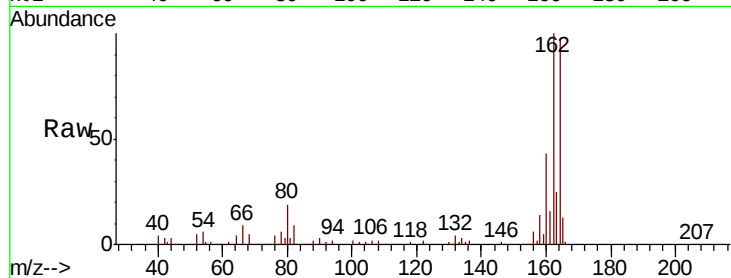




#56
2,4-Dinitrotoluene
Concen: 5.108 ng
RT: 14.66 min Scan# 1936
Delta R.T. -0.37 min
Lab File: BG037097.D
Acq: 2 Oct 2018 5:20

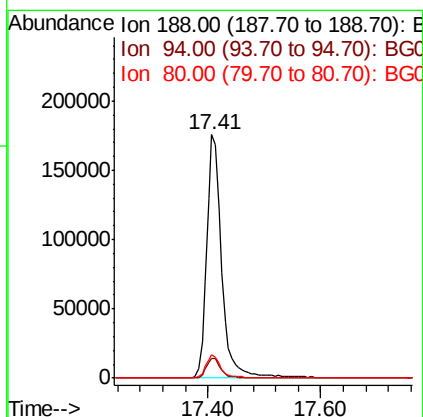
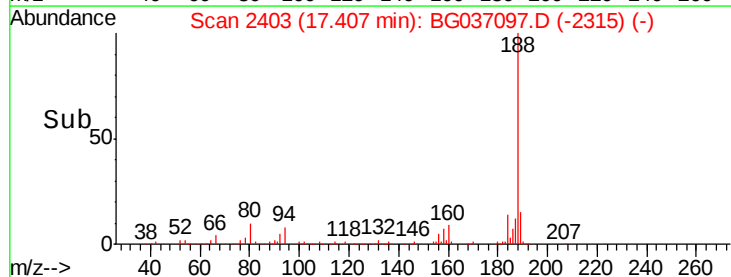
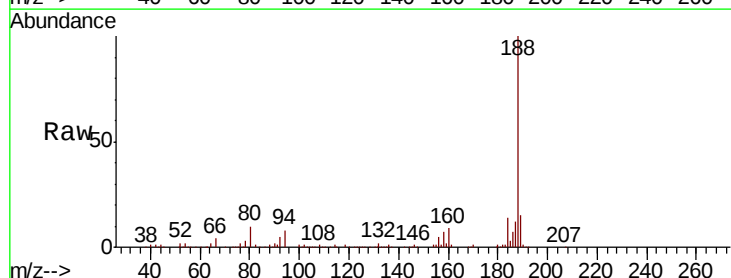
Instrument :
BNA_G
ClientSampleId :
HC-SOIL-3

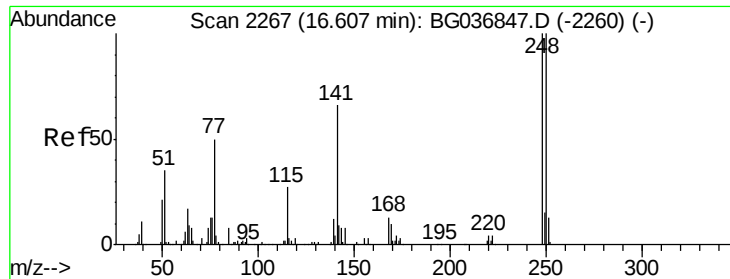
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	40.1	60.1#
89	0.0	63.7	95.5#
182	0.0	2.5	3.7#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2403
Delta R.T. -0.01 min
Lab File: BG037097.D
Acq: 2 Oct 2018 5:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	9.9	8.1	12.1

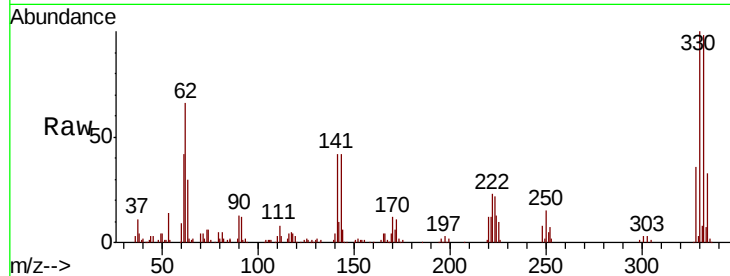




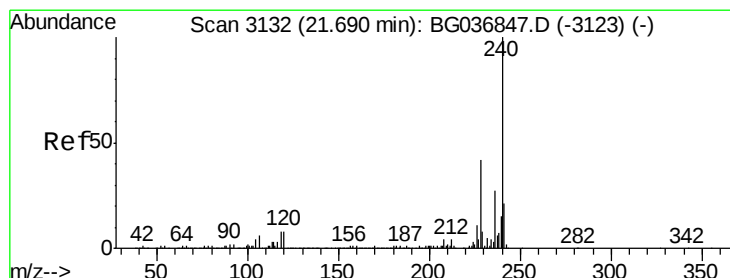
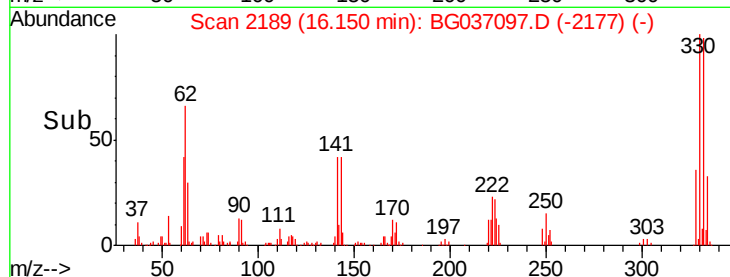
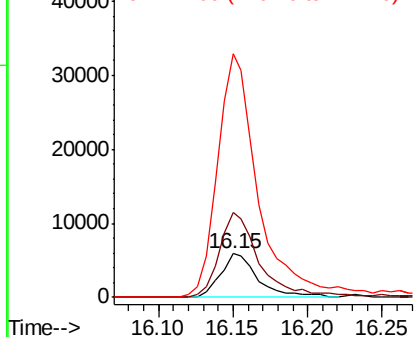
#66
4-Bromophenyl-phenylether
Concen: 2.817 ng
RT: 16.15 min Scan# 2189
Delta R.T. -0.46 min
Lab File: BG037097.D
Acq: 2 Oct 2018 5:20

Instrument :
BNA_G
ClientSampleId :
HC-SOIL-3

Tgt Ion:248 Resp: 10350
Ion Ratio Lower Upper
248 100
250 194.1 78.1 117.1#
141 560.1 53.7 80.5#

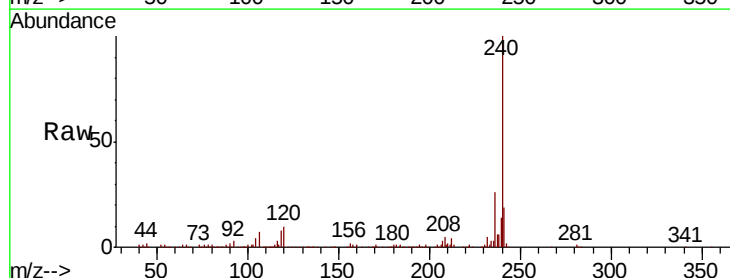


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

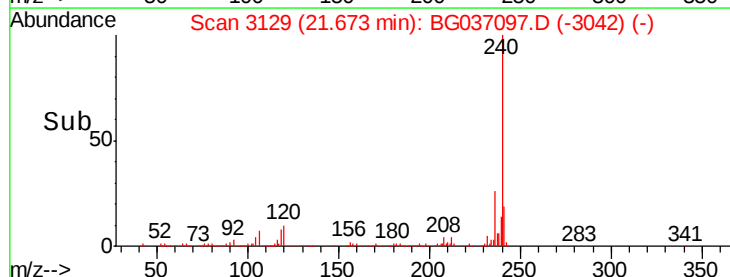
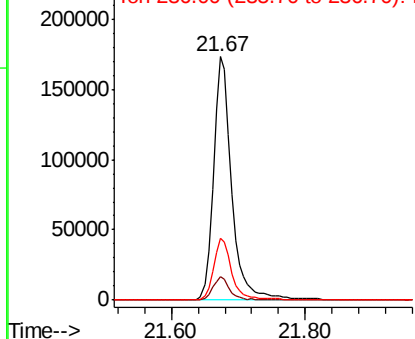


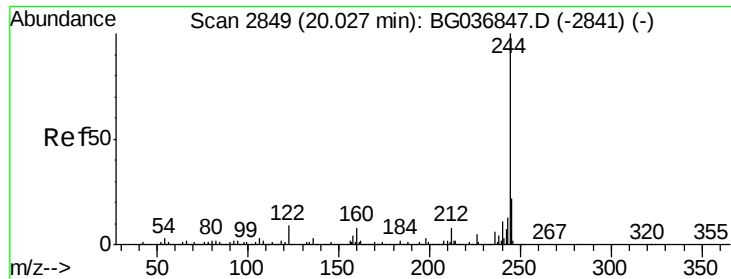
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.67 min Scan# 3129
Delta R.T. -0.02 min
Lab File: BG037097.D
Acq: 2 Oct 2018 5:20

Tgt Ion:240 Resp: 332092
Ion Ratio Lower Upper
240 100
120 9.6 6.9 10.3
236 25.5 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: 93.640 ng

RT: 20.02 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG037097.D

Acq: 2 Oct 2018 5:20

Instrument :

BNA_G

ClientSampled :

HC-SOIL-3

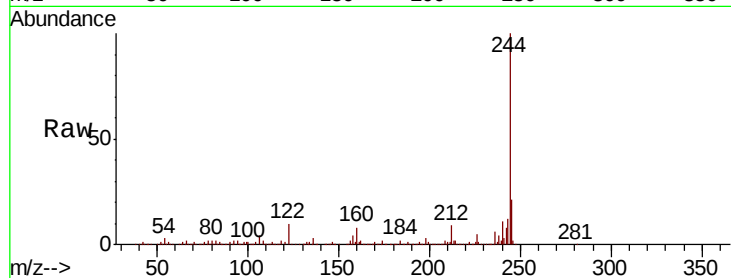
Tgt Ion:244 Resp: 1182634

Ion Ratio Lower Upper

244 100

212 8.7 7.0 10.6

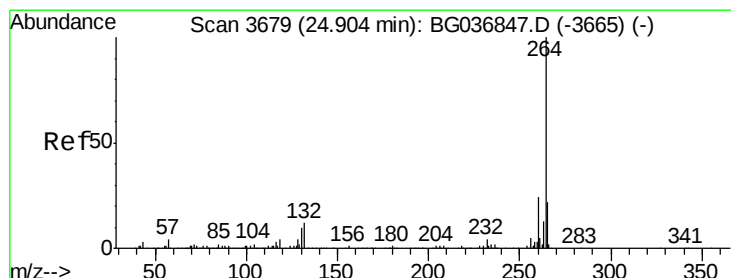
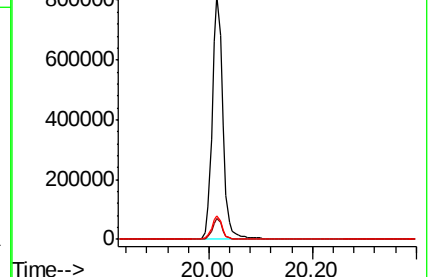
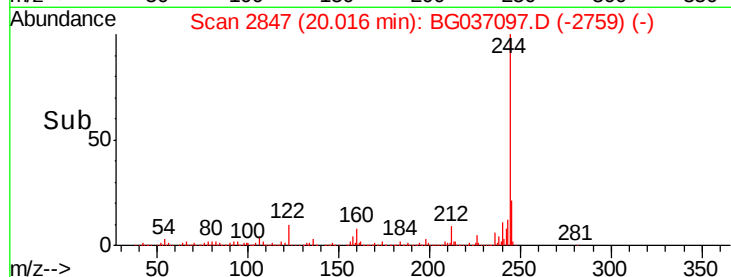
122 9.5 7.1 10.7



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: 24.87 min Scan# 3674

Delta R.T. -0.03 min

Lab File: BG037097.D

Acq: 2 Oct 2018 5:20

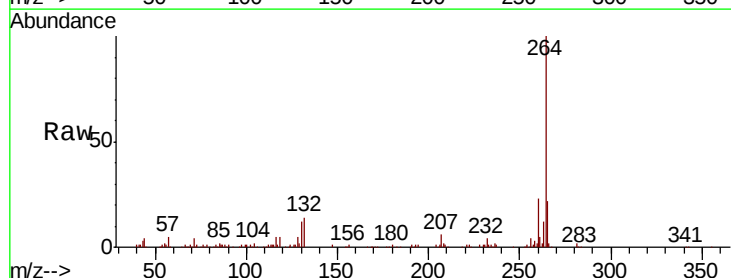
Tgt Ion:264 Resp: 305625

Ion Ratio Lower Upper

264 100

260 23.1 19.6 29.4

265 21.6 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

