

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100118\
 Data File : BG037096.D
 Acq On : 2 Oct 2018 4:41
 Operator : JU/SJ
 Sample : J5170-12
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-2

Quant Time: Oct 02 05:35:02 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

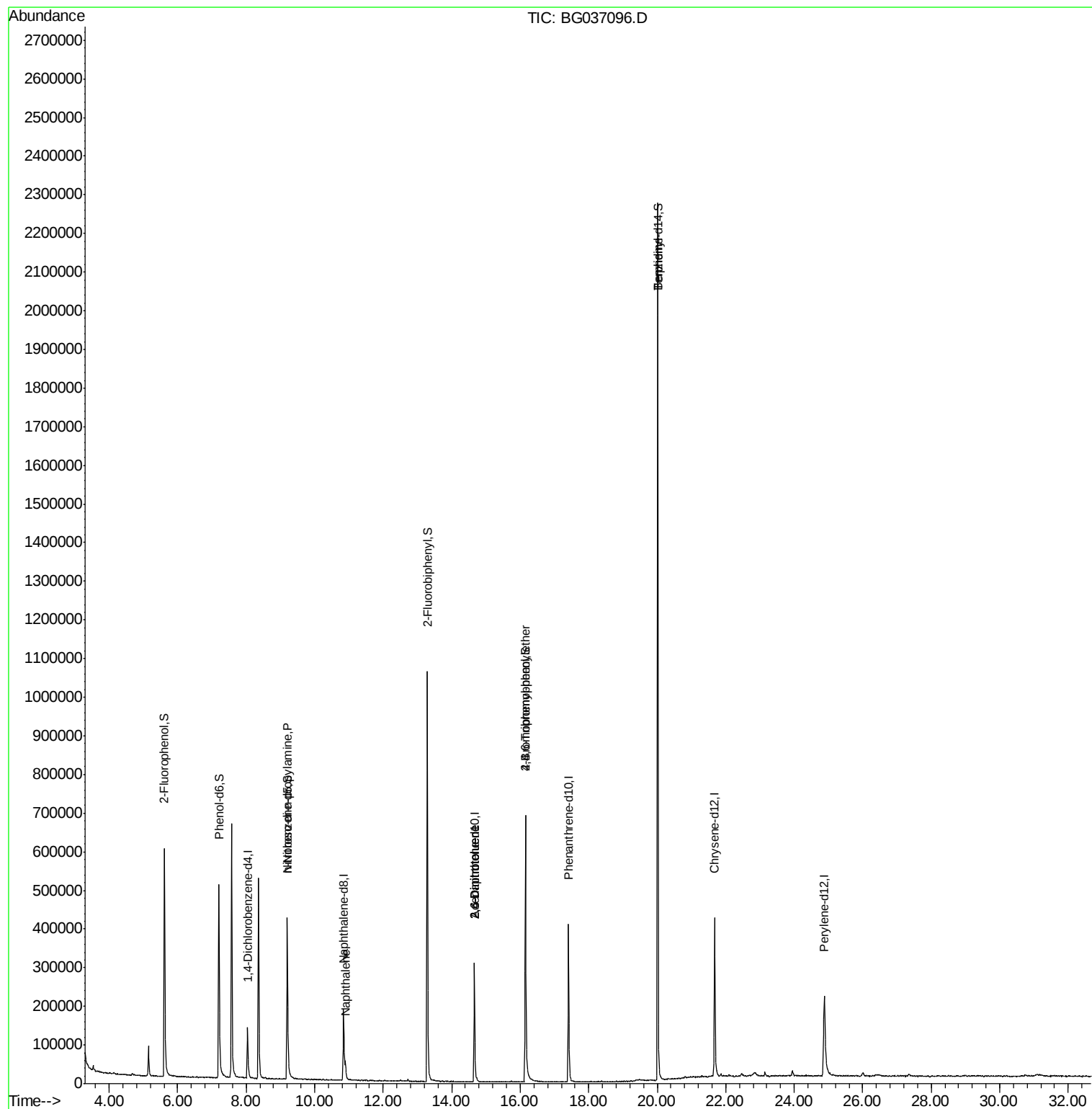
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	45855	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	183470	20.00	ng	-0.01
38) Acenaphthene-d10	14.66	164	115776	20.00	ng	-0.01
63) Phenanthrene-d10	17.41	188	298350	20.00	ng	-0.01
75) Chrysene-d12	21.67	240	321723	20.00	ng	-0.02
86) Perylene-d12	24.88	264	291341	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	296425	123.97	ng	0.00
7) Phenol-d6	7.20	99	354413	95.80	ng	-0.01
23) Nitrobenzene-d5	9.20	82	310644	90.67	ng	-0.01
41) 2,4,6-Tribromophenol	16.15	330	154621	111.62	ng	-0.02
44) 2-Fluorobiphenyl	13.28	172	646372	83.15	ng	-0.02
78) Terphenyl-d14	20.02	244	1170992	95.71	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	40316	13.100	ng	Qvalue
31) Naphthalene	10.89	128	44532	5.101	ng	# 74
50) 2,6-Dinitrotoluene	14.66	165	15473	7.610	ng	# 21
56) 2,4-Dinitrotoluene	14.66	165	15473	5.454	ng	# 20
66) 4-Bromophenyl-phenylether	16.15	248	10256	3.022	ng	# 1
76) Benzidine	20.02	184	19659	2.021	ng	# 92

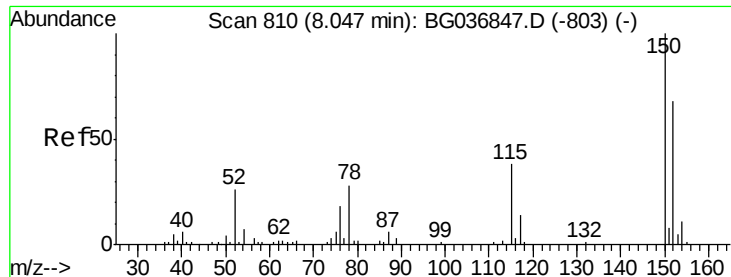
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100118\
Data File : BG037096.D
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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BNA_G
ClientSampleId :
HC-SOIL-2

Quant Time: Oct 02 05:35:02 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: BG037096.D

Acq: 2 Oct 2018 4:41

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-2

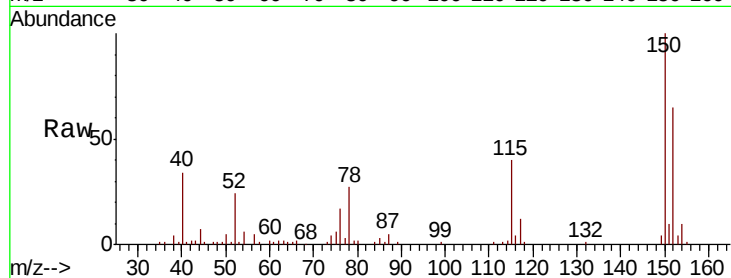
Tgt Ion:152 Resp: 45855

Ion Ratio Lower Upper

152 100

150 154.2 119.5 179.3

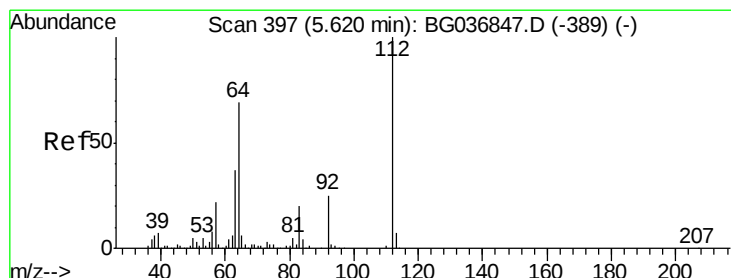
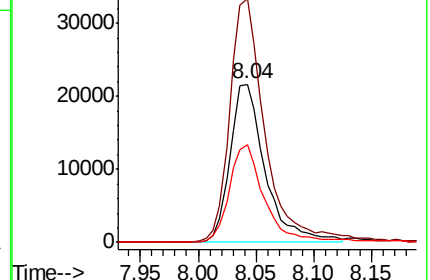
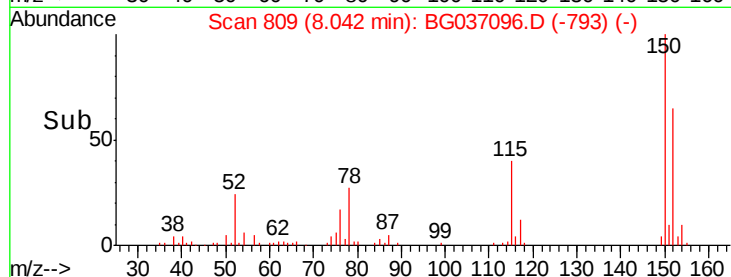
115 62.1 44.5 66.7



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: 123.973 ng

RT: 5.62 min Scan# 396

Delta R.T. -0.00 min

Lab File: BG037096.D

Acq: 2 Oct 2018 4:41

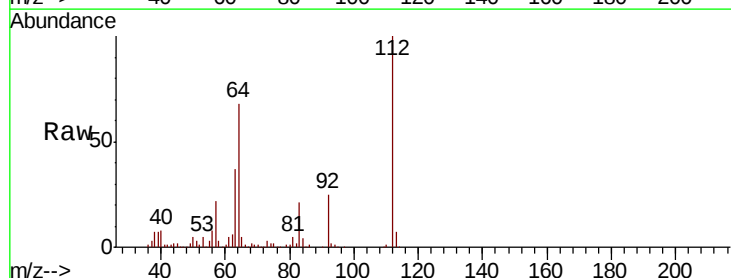
Tgt Ion:112 Resp: 296425

Ion Ratio Lower Upper

112 100

64 68.2 57.2 85.8

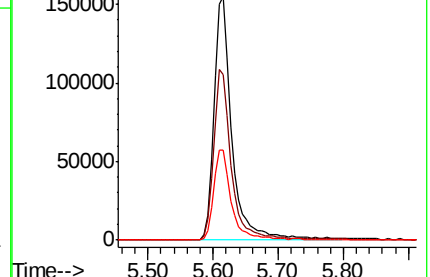
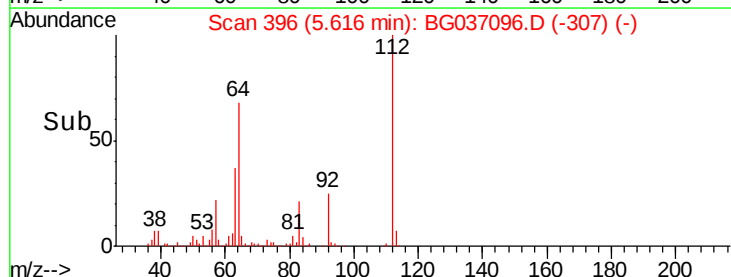
63 37.0 30.8 46.2

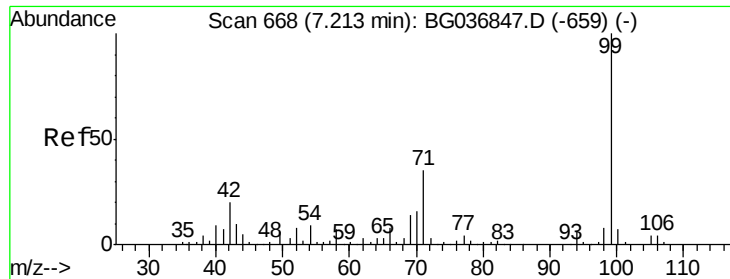


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 95.804 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037096.D

Acq: 2 Oct 2018 4:41

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-2

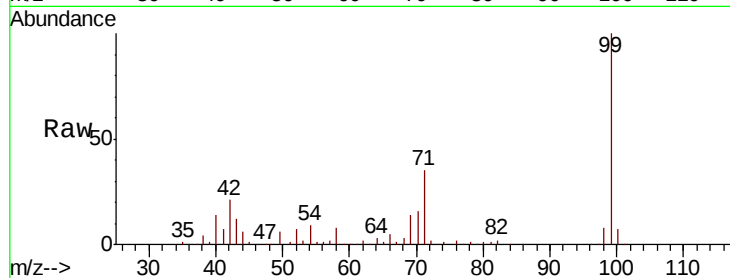
Tgt Ion: 99 Resp: 354413

Ion Ratio Lower Upper

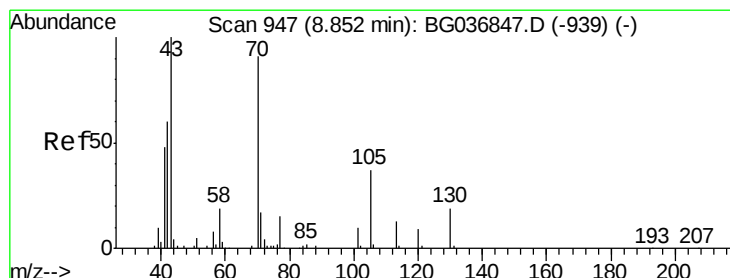
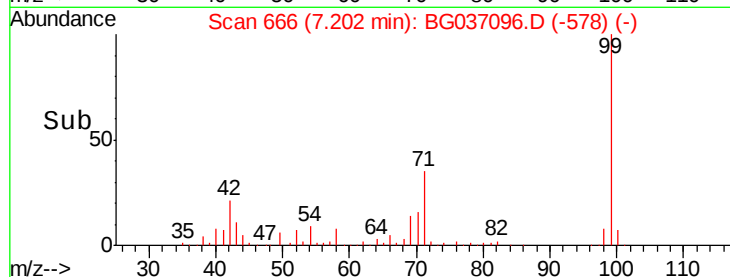
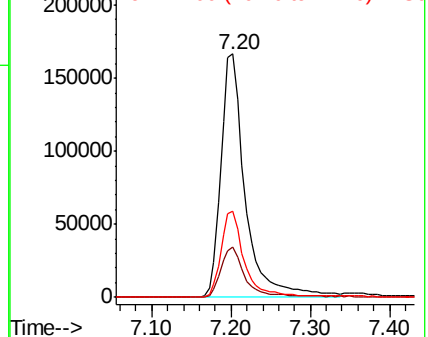
99 100

42 20.9 16.5 24.7

71 35.4 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: 13.100 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG037096.D

Acq: 2 Oct 2018 4:41

Tgt Ion: 70 Resp: 40316

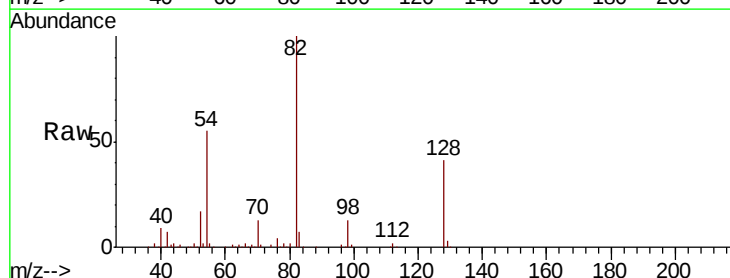
Ion Ratio Lower Upper

70 100

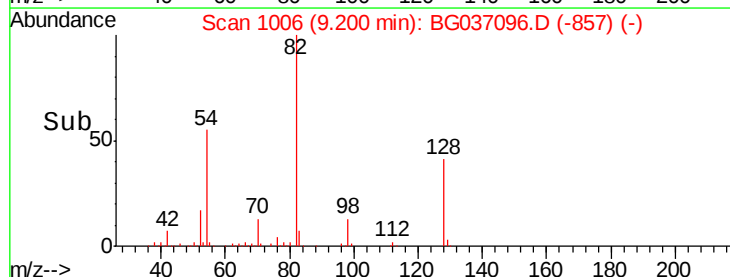
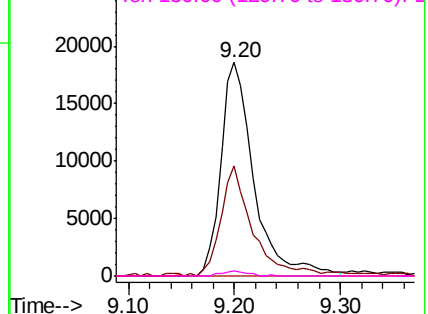
42 51.8 56.2 84.4#

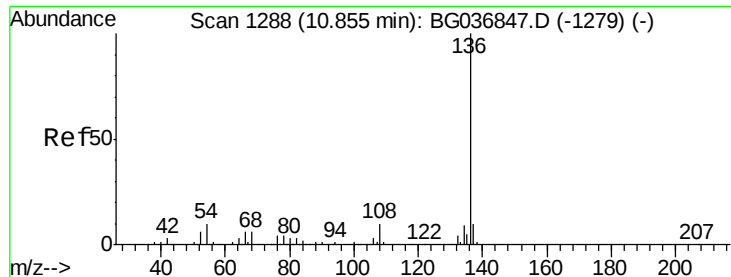
101 0.0 7.8 11.6#

130 2.1 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

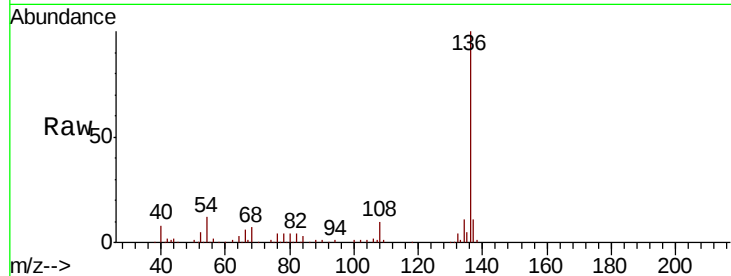




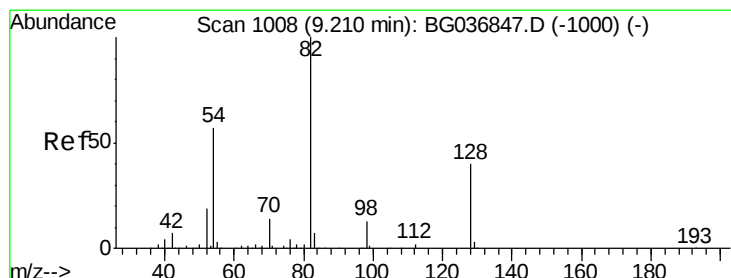
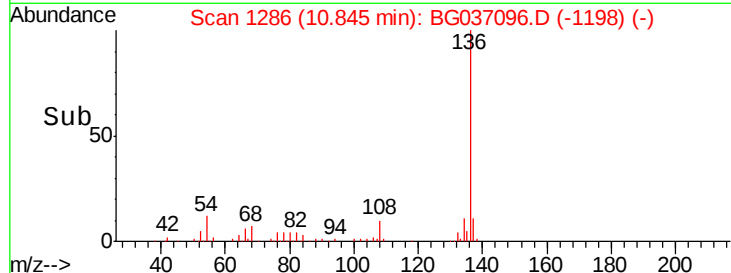
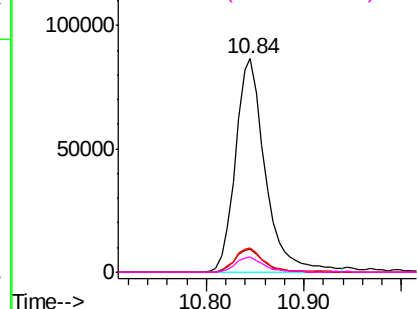
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG037096.D
Acq: 2 Oct 2018 4:41

Instrument :
BNA_G
ClientSampleId :
HC-SOIL-2

Tgt Ion:	136	Resp:	183470
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	11.7	9.2	13.8
68	7.0	5.8	8.6

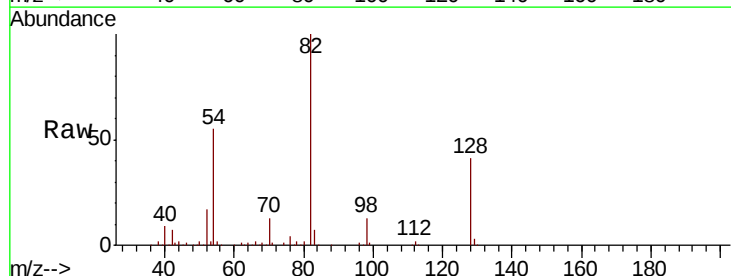


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

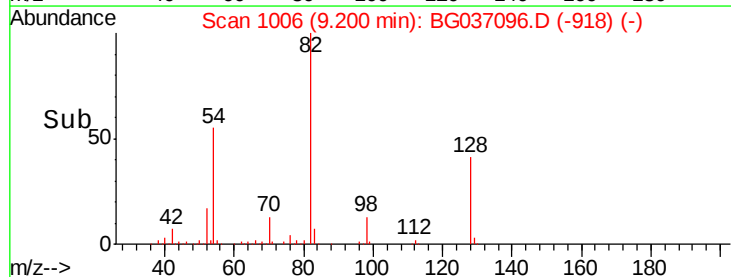
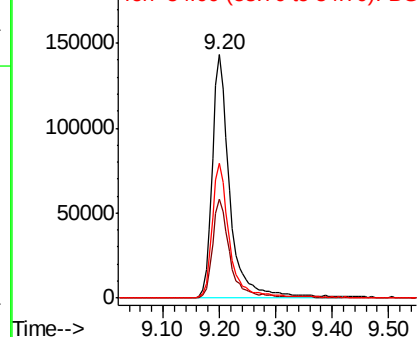


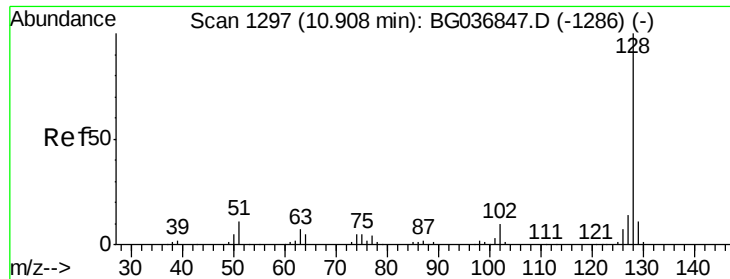
#23
Nitrobenzene-d5
Concen: 90.670 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG037096.D
Acq: 2 Oct 2018 4:41

Tgt Ion:	82	Resp:	310644
Ion	Ratio	Lower	Upper
82	100		
128	40.6	33.3	49.9
54	55.4	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

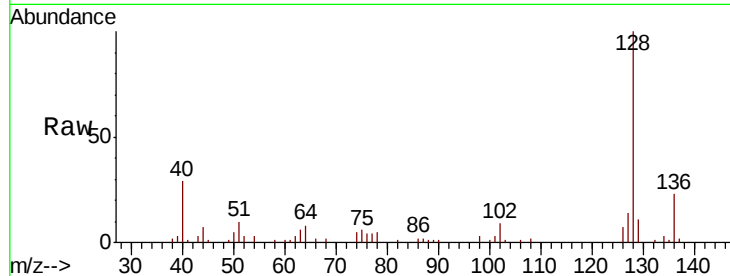




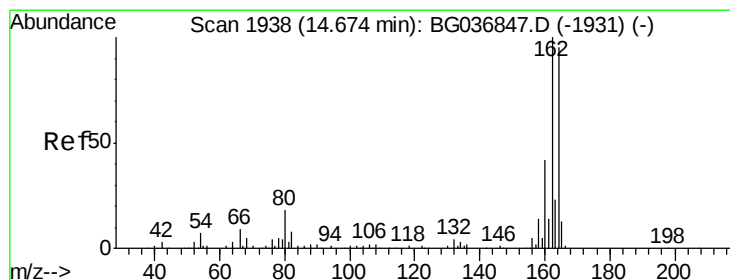
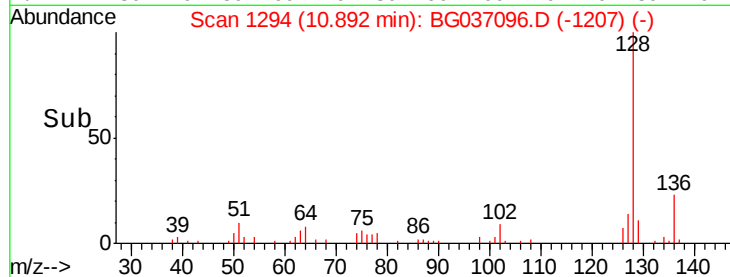
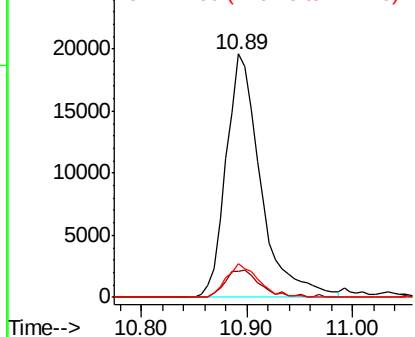
#31
Naphthalene
Concen: 5.101 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BG037096.D
Acq: 2 Oct 2018 4:41

Instrument :
BNA_G
ClientSampled :
HC-SOIL-2

Tgt Ion:128 Resp: 44532
Ion Ratio Lower Upper
128 100
129 10.5 9.4 14.2
127 14.0 11.0 16.4

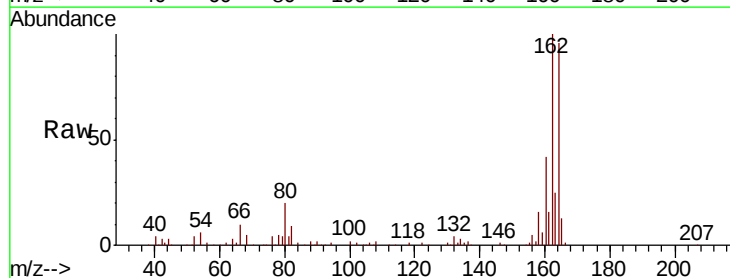


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

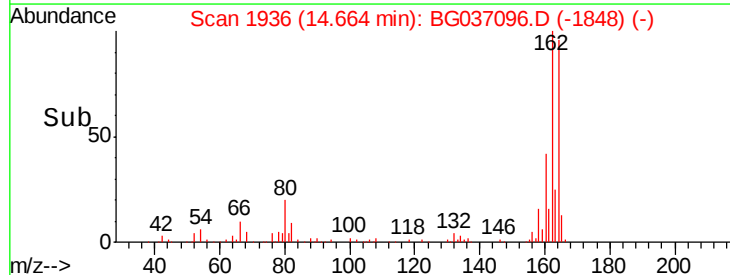
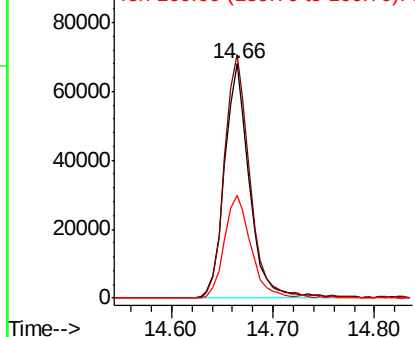


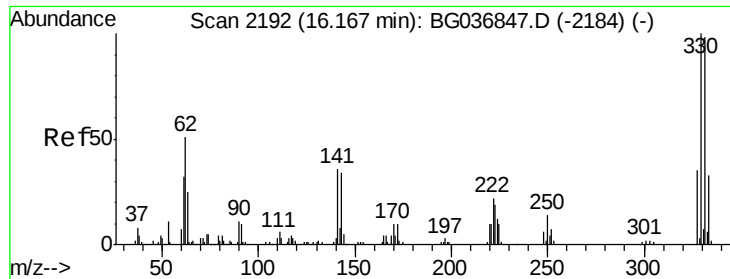
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1936
Delta R.T. -0.01 min
Lab File: BG037096.D
Acq: 2 Oct 2018 4:41

Tgt Ion:164 Resp: 115776
Ion Ratio Lower Upper
164 100
162 103.9 80.7 121.1
160 43.7 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

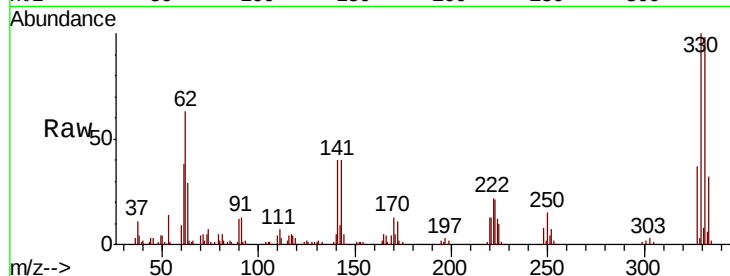




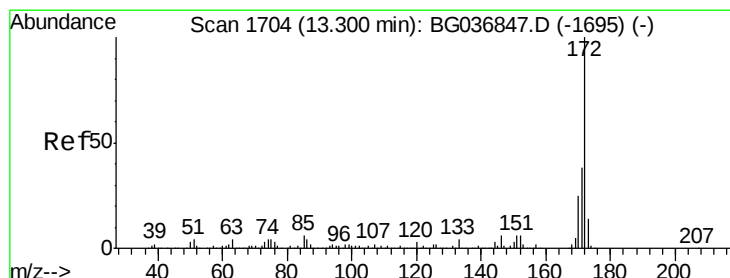
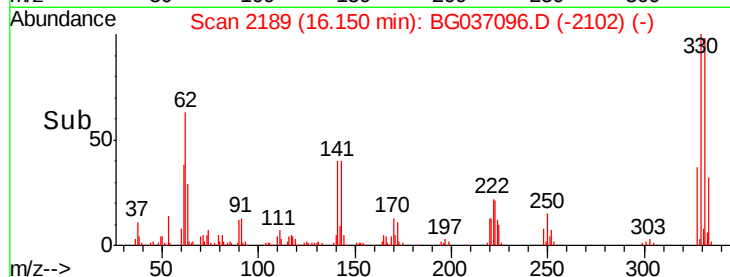
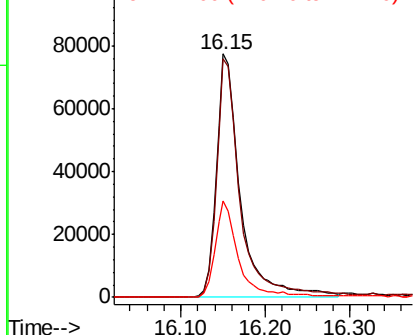
#41
 2,4,6-Tribromophenol
 Concen: 111.625 ng
 RT: 16.15 min Scan# 2189
 Delta R.T. -0.02 min
 Lab File: BG037096.D
 Acq: 2 Oct 2018 4:41

Instrument :
 BNA_G
 ClientSampleID :
 HC-SOIL-2

Tgt Ion:330 Resp: 154621
 Ion Ratio Lower Upper
 330 100
 332 97.4 75.4 113.2
 141 38.2 30.7 46.1

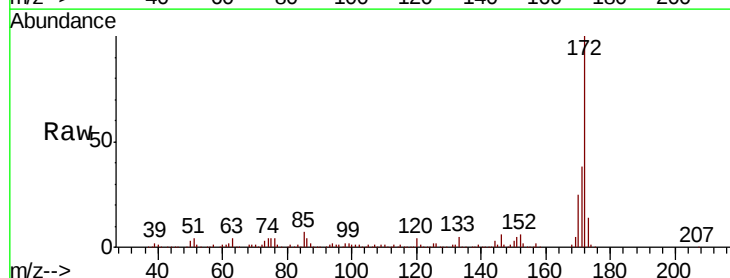


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

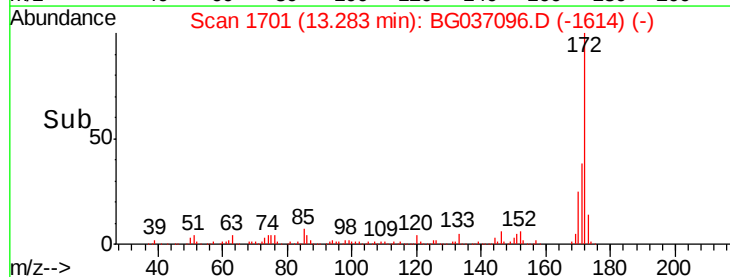
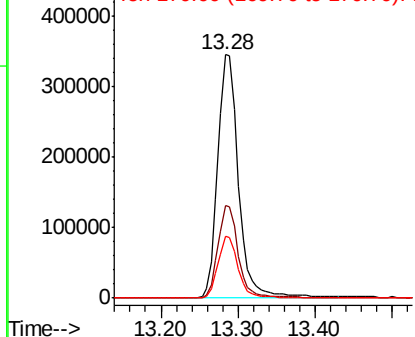


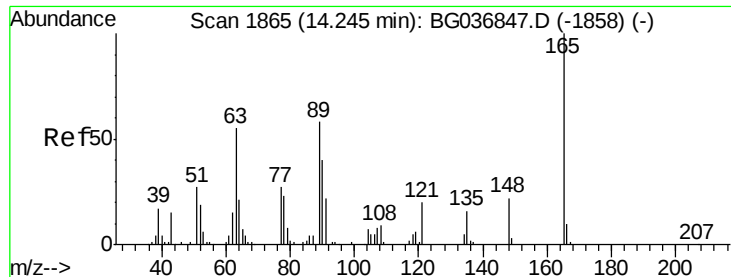
#44
 2-Fluorobiphenyl
 Concen: 83.152 ng
 RT: 13.28 min Scan# 1701
 Delta R.T. -0.02 min
 Lab File: BG037096.D
 Acq: 2 Oct 2018 4:41

Tgt Ion:172 Resp: 646372
 Ion Ratio Lower Upper
 172 100
 171 37.9 31.3 46.9
 170 25.2 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

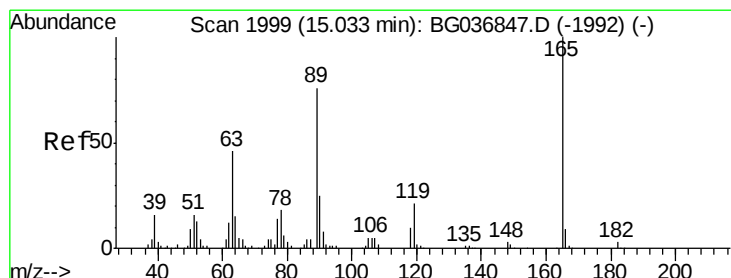
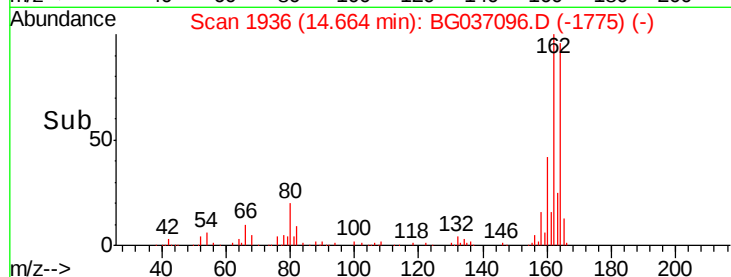
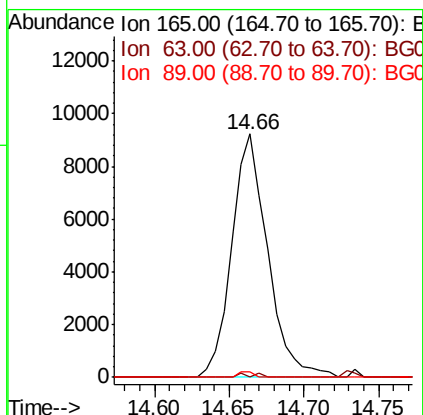
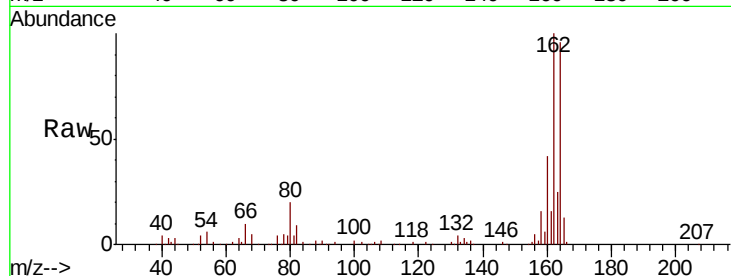




#50
 2,6-Dinitrotoluene
 Concen: 7.610 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG037096.D
 Acq: 2 Oct 2018 4:41

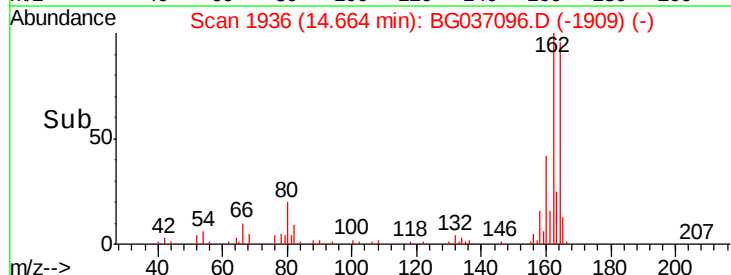
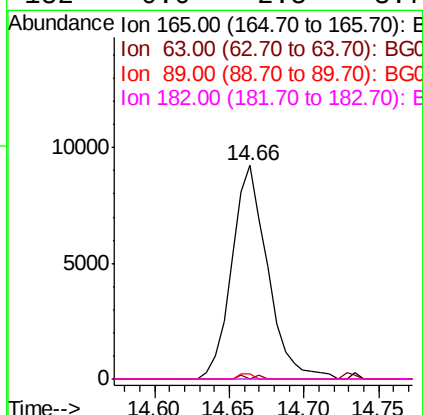
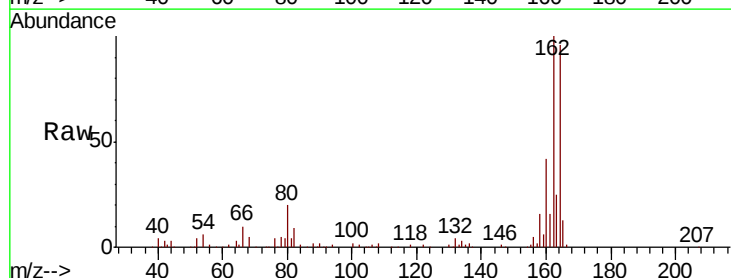
Instrument :
 BNA_G
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 HC-SOIL-2

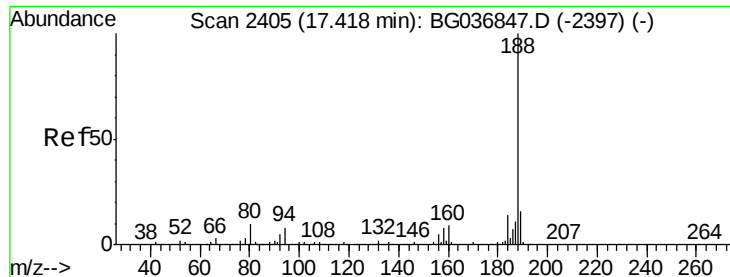
Tgt Ion:165 Resp: 15473
 Ion Ratio Lower Upper
 165 100
 63 0.0 50.1 75.1#
 89 2.2 47.8 71.6#



#56
 2,4-Dinitrotoluene
 Concen: 5.454 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG037096.D
 Acq: 2 Oct 2018 4:41

Tgt Ion:165 Resp: 15473
 Ion Ratio Lower Upper
 165 100
 63 0.0 40.1 60.1#
 89 2.2 63.7 95.5#
 182 0.0 2.5 3.7#

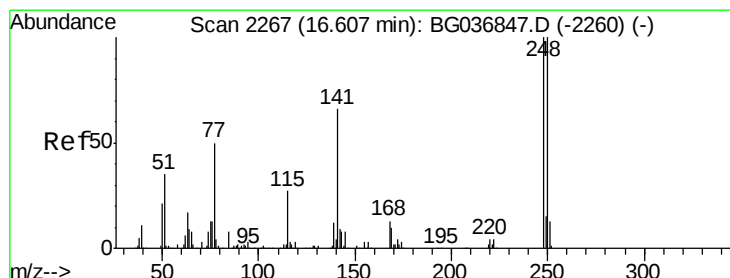
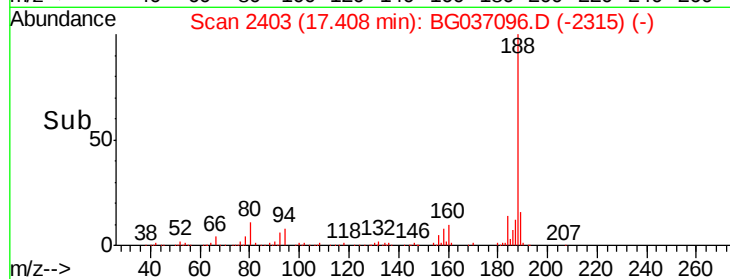
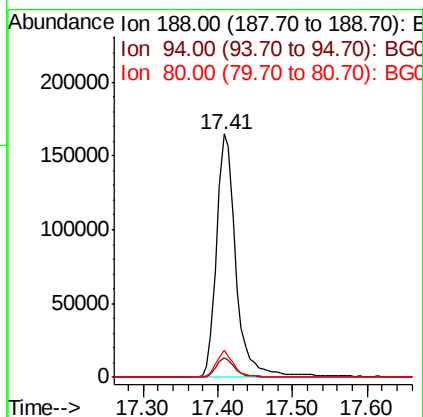
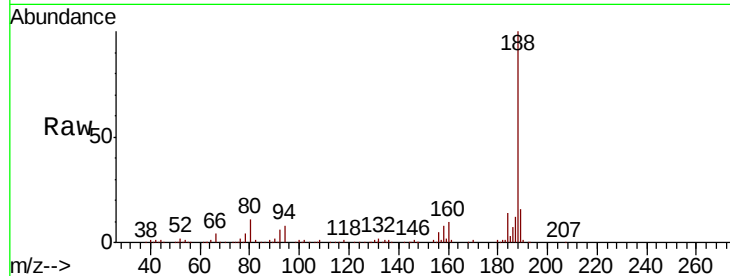




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2403
Delta R.T. -0.01 min
Lab File: BG037096.D
Acq: 2 Oct 2018 4:41

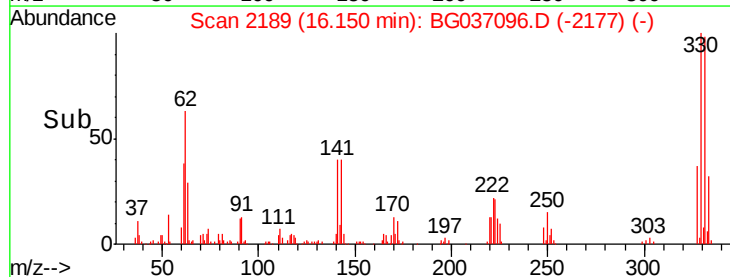
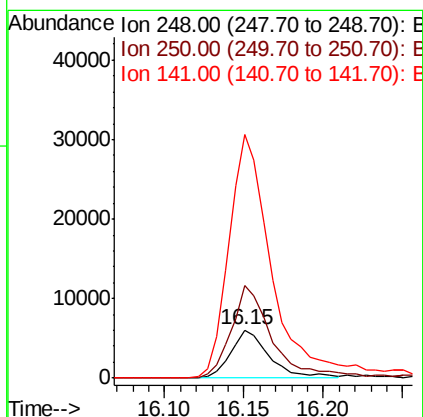
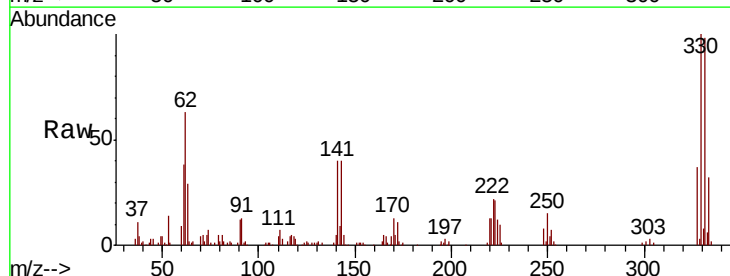
Instrument :
BNA_G
ClientSampleId :
HC-SOIL-2

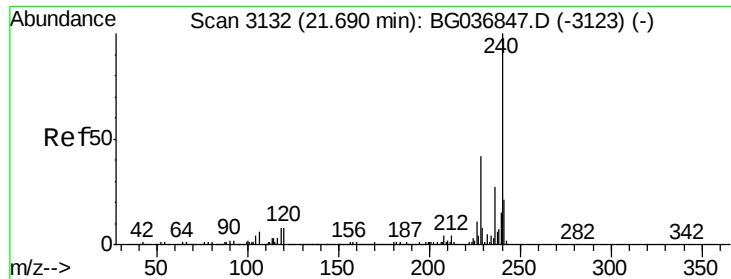
Tgt Ion:188 Resp: 298350
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 11.0 8.1 12.1



#66
4-Bromophenyl-phenylether
Concen: 3.022 ng
RT: 16.15 min Scan# 2189
Delta R.T. -0.46 min
Lab File: BG037096.D
Acq: 2 Oct 2018 4:41

Tgt Ion:248 Resp: 10256
Ion Ratio Lower Upper
248 100
250 192.0 78.1 117.1#
141 503.2 53.7 80.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3129

Delta R.T. -0.02 min

Lab File: BG037096.D

Acq: 2 Oct 2018 4:41

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-2

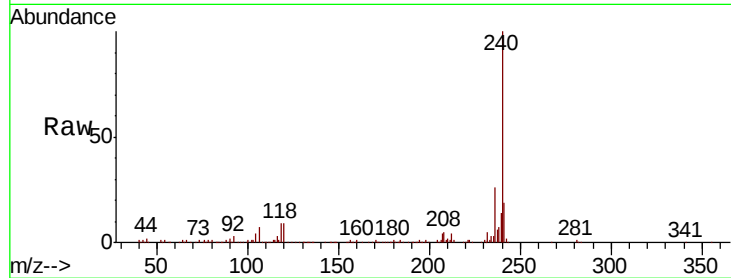
Tgt Ion:240 Resp: 321723

Ion Ratio Lower Upper

240 100

120 8.8 6.9 10.3

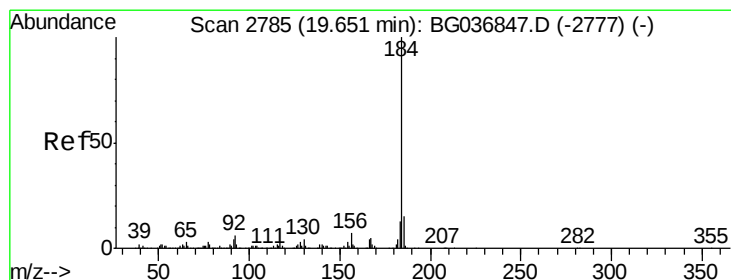
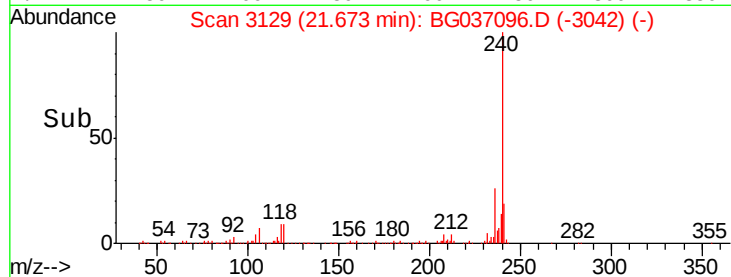
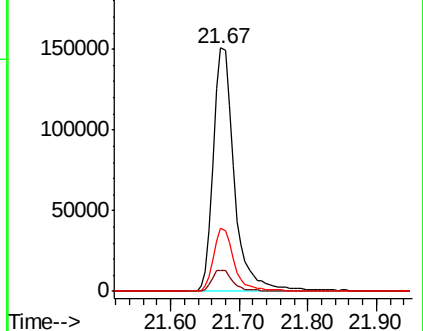
236 25.9 21.2 31.8



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: 2.021 ng

RT: 20.02 min Scan# 2847

Delta R.T. 0.37 min

Lab File: BG037096.D

Acq: 2 Oct 2018 4:41

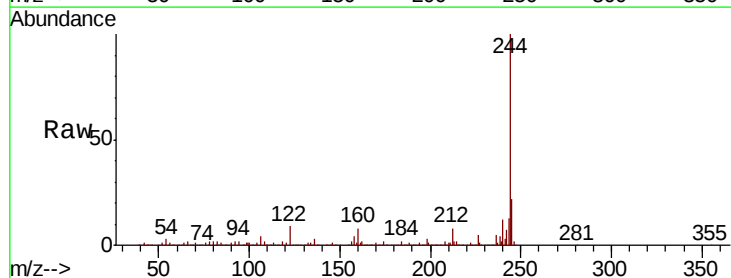
Tgt Ion:184 Resp: 19659

Ion Ratio Lower Upper

184 100

185 18.5 12.6 18.8

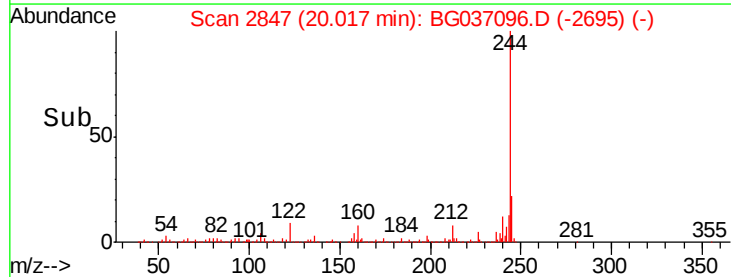
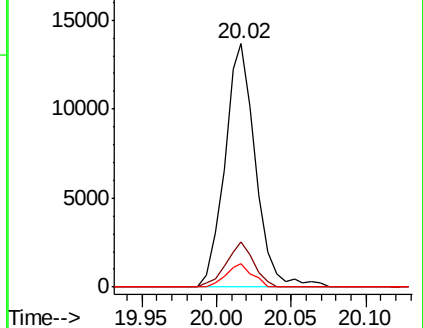
183 9.8 10.9 16.3#

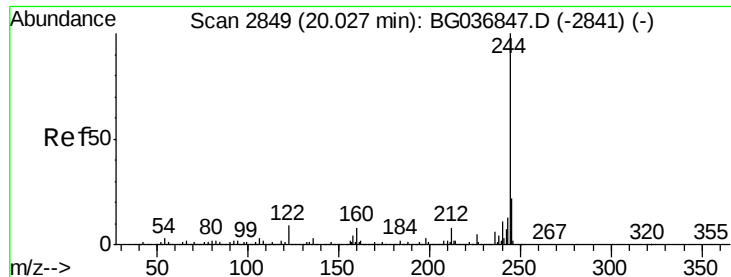


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 95.707 ng

RT: 20.02 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG037096.D

Acq: 2 Oct 2018 4:41

Instrument :

BNA_G

ClientSampled :

HC-SOIL-2

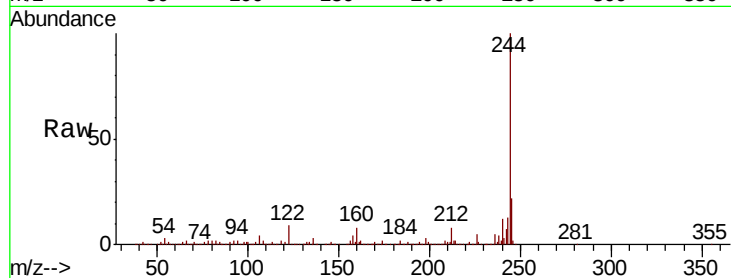
Tgt Ion:244 Resp: 1170992

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.6

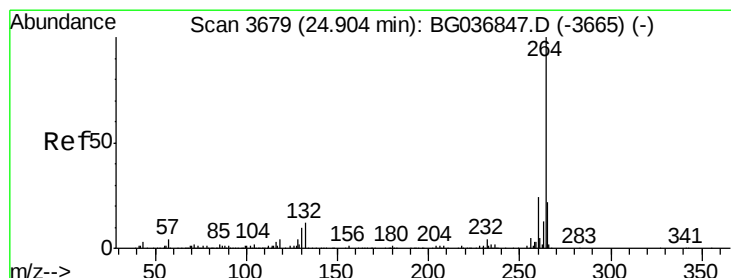
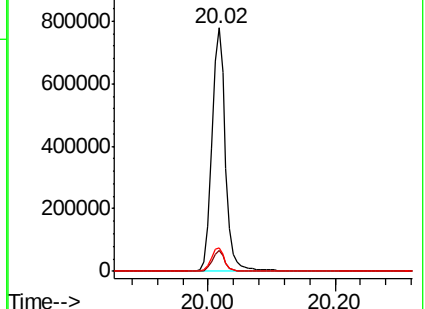
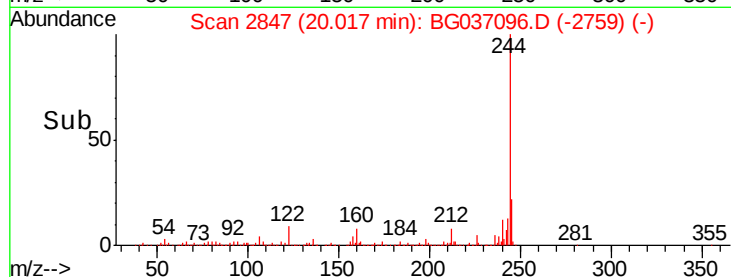
122 9.5 7.1 10.7



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: 24.88 min Scan# 3675

Delta R.T. -0.02 min

Lab File: BG037096.D

Acq: 2 Oct 2018 4:41

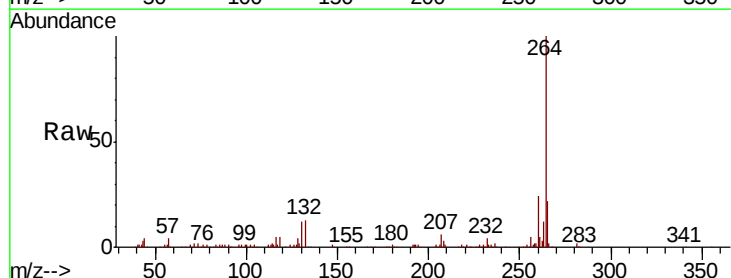
Tgt Ion:264 Resp: 291341

Ion Ratio Lower Upper

264 100

260 23.7 19.6 29.4

265 21.5 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

