

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062218\
 Data File : BG035340.D
 Acq On : 22 Jun 2018 19:23
 Operator : JU/SJ
 Sample : J3594-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1

Quant Time: Jun 22 22:05:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

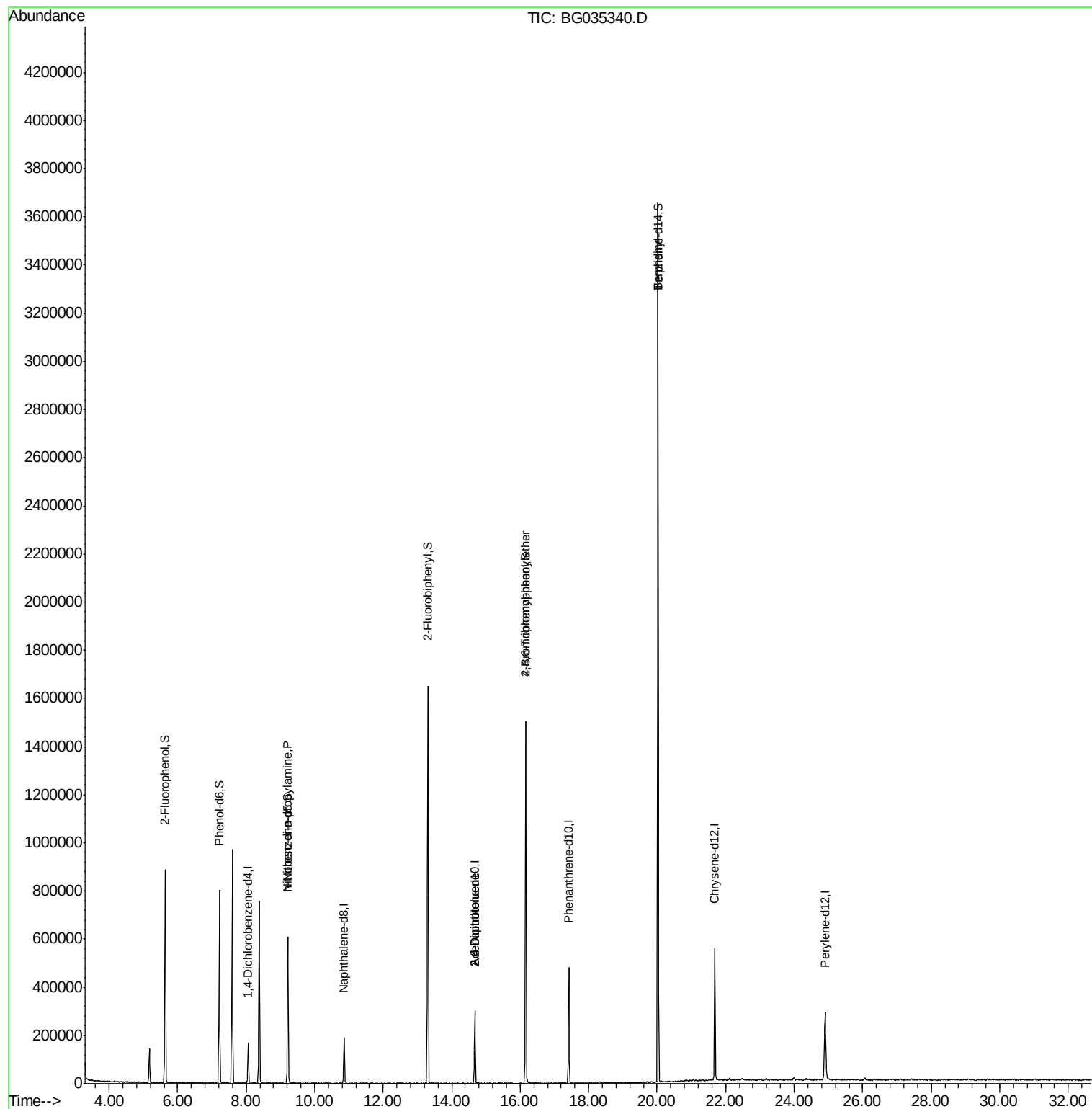
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	47054	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	157709	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	105872	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	302130	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	357000	20.00	ng	-0.03
86) Perylene-d12	24.90	264	334253	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	387466	138.97	ng	-0.01
7) Phenol-d6	7.21	99	484320	117.69	ng	-0.01
23) Nitrobenzene-d5	9.22	82	410962	123.87	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	282553	208.48	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	896567	110.09	ng	-0.03
78) Terphenyl-d14	20.03	244	1776143	104.21	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	54013	15.449	ng	# 67
50) 2,6-Dinitrotoluene	14.67	165	14275	8.475	ng	# 18
56) 2,4-Dinitrotoluene	14.67	165	14275	6.380	ng	# 16
66) 4-Bromophenyl-phenylether	16.16	248	21480	5.904	ng	# 1
76) Benzidine	20.03	184	30457	2.293	ng	95

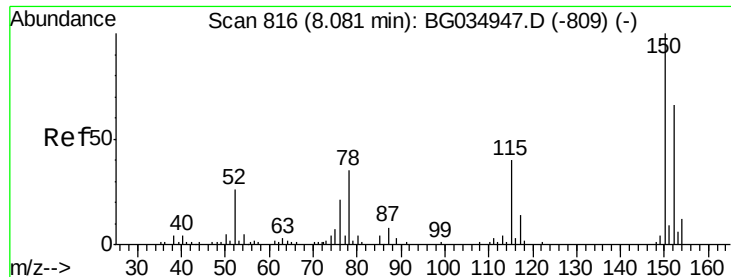
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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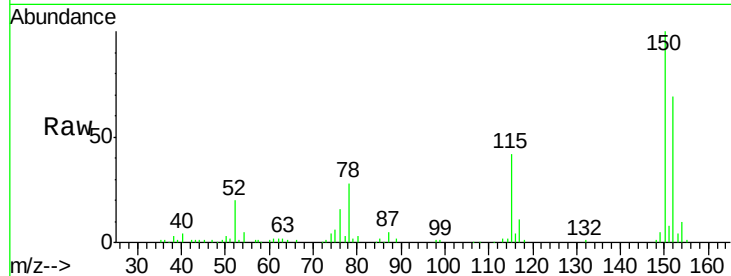


#1

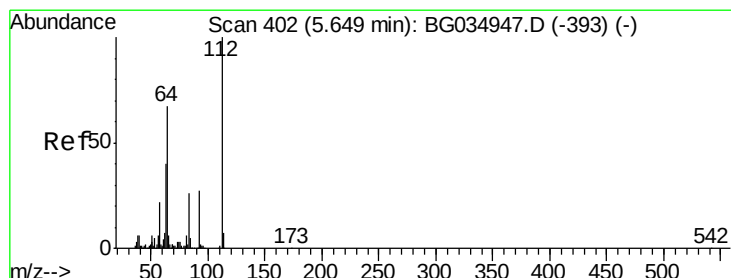
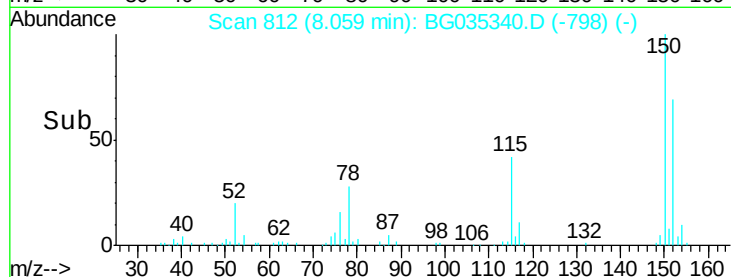
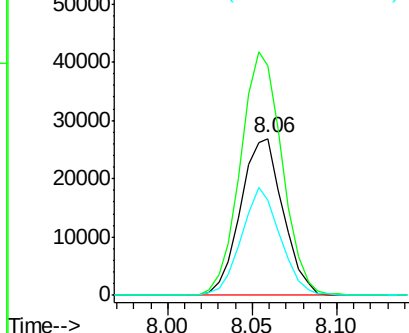
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 812
 Delta R.T. -0.02 min
 Lab File: BG035340.D
 Acq: 22 Jun 2018 19:23

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1

Tgt Ion:152 Resp: 47054
 Ion Ratio Lower Upper
 152 100
 150 145.8 126.6 189.8
 115 60.8 53.0 79.4



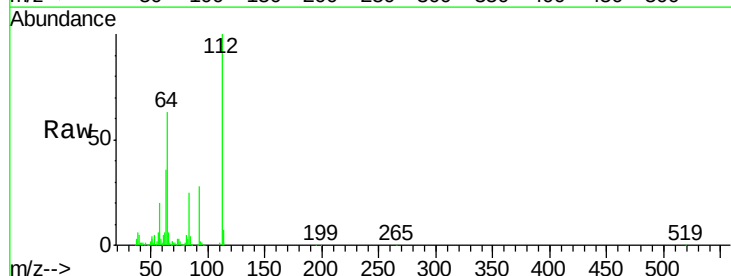
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



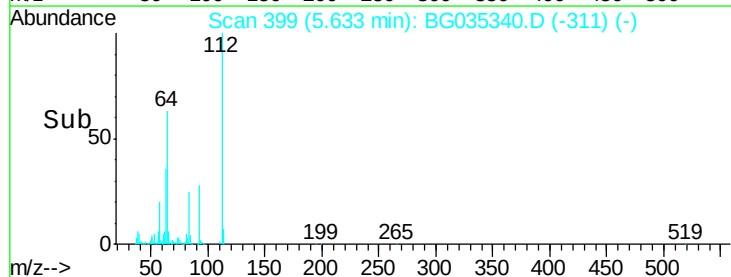
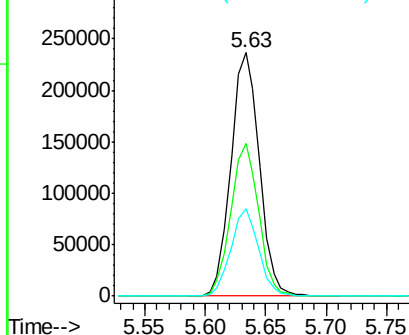
#5

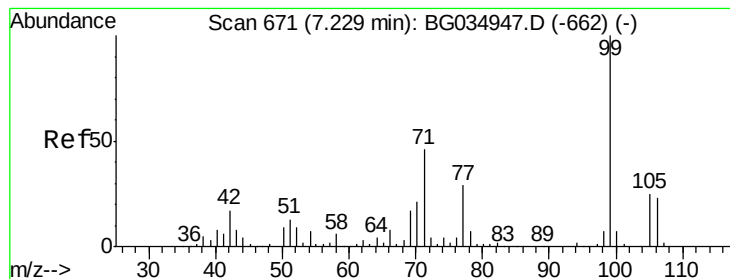
2-Fluorophenol
 Concen: 138.966 ng
 RT: 5.63 min Scan# 399
 Delta R.T. -0.01 min
 Lab File: BG035340.D
 Acq: 22 Jun 2018 19:23

Tgt Ion:112 Resp: 387466
 Ion Ratio Lower Upper
 112 100
 64 62.7 56.3 84.5
 63 35.7 30.1 45.1



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: 117.690 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035340.D

Acq: 22 Jun 2018 19:23

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1

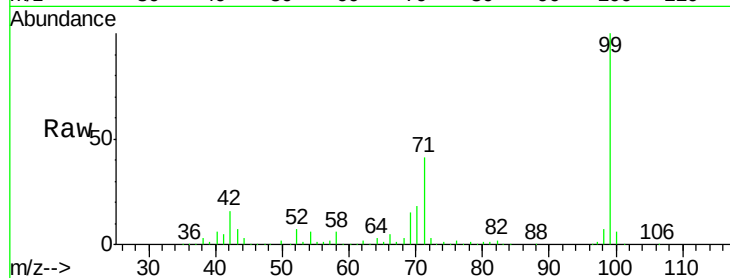
Tgt Ion: 99 Resp: 484320

Ion Ratio Lower Upper

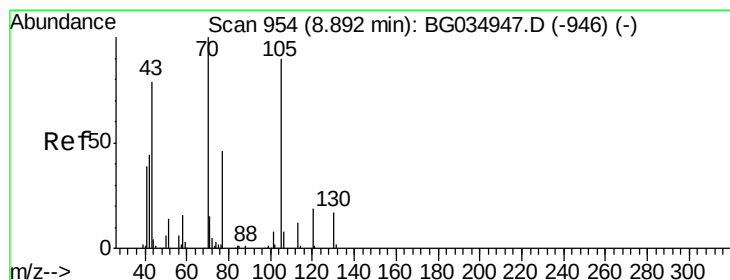
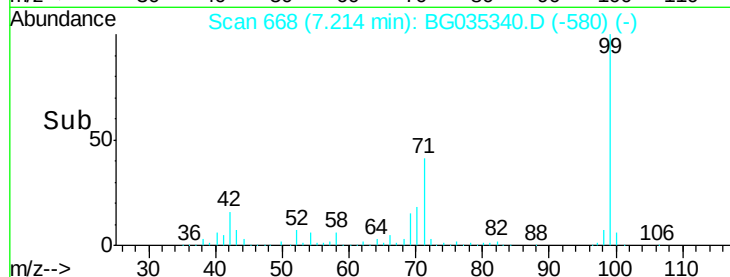
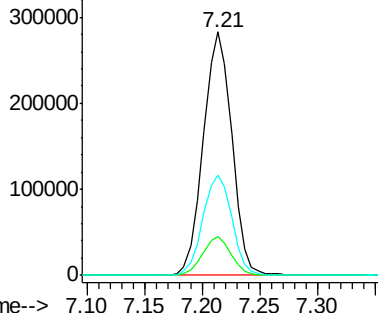
99 100

42 16.2 14.1 21.1

71 41.4 26.1 39.1#



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: 15.449 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.34 min

Lab File: BG035340.D

Acq: 22 Jun 2018 19:23

Tgt Ion: 70 Resp: 54013

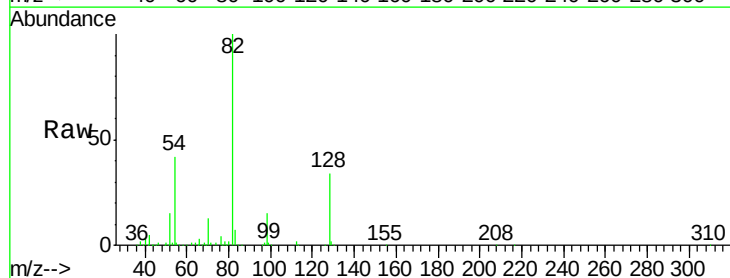
Ion Ratio Lower Upper

70 100

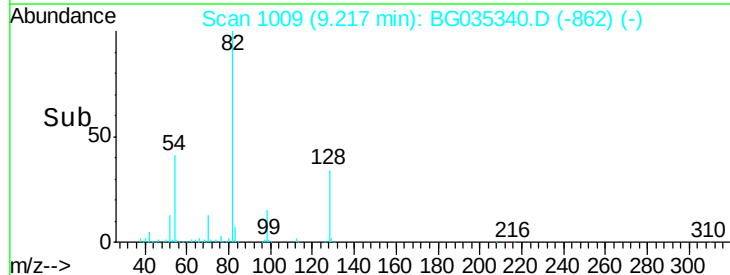
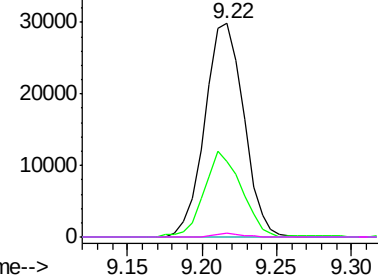
42 35.5 49.1 73.7#

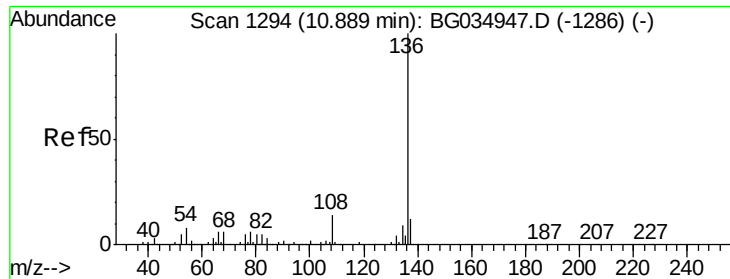
101 0.0 8.5 12.7#

130 1.9 13.4 20.0#



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

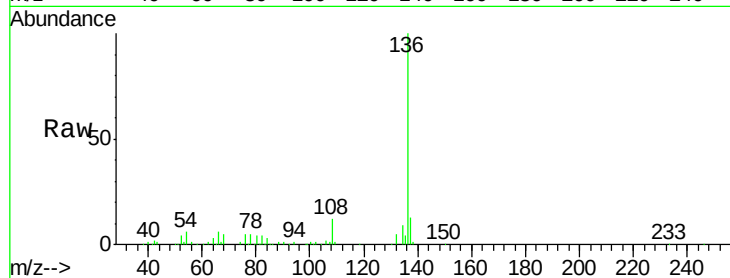




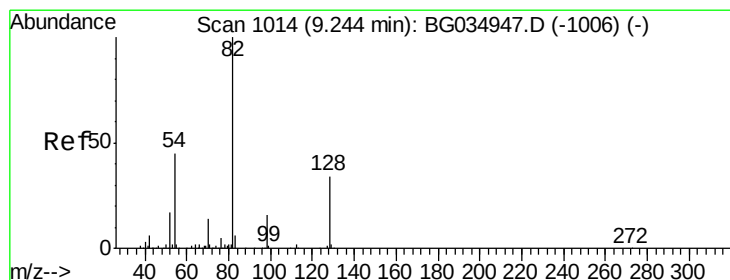
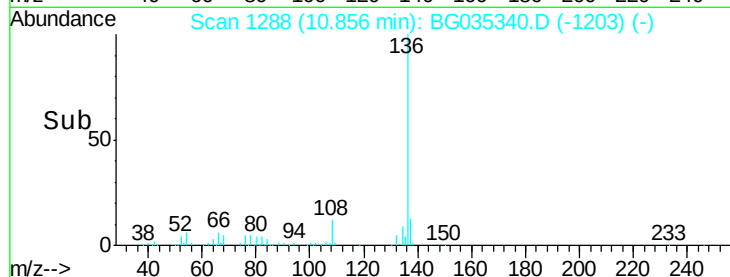
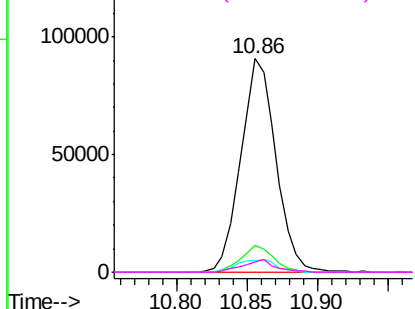
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BG035340.D
Acq: 22 Jun 2018 19:23

Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1

Tgt Ion:	136	Resp:	157709
Ion	Ratio	Lower	Upper
136	100		
137	12.8	9.2	13.8
54	5.5	10.3	15.5#
68	5.0	4.5	6.7

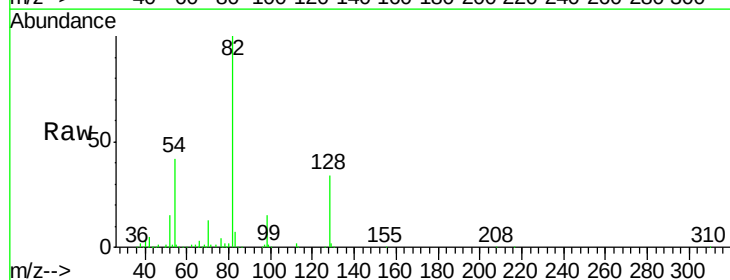


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

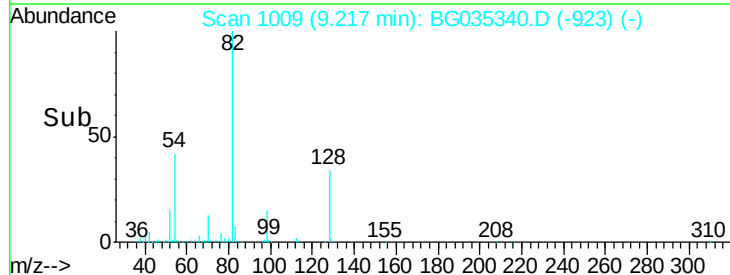
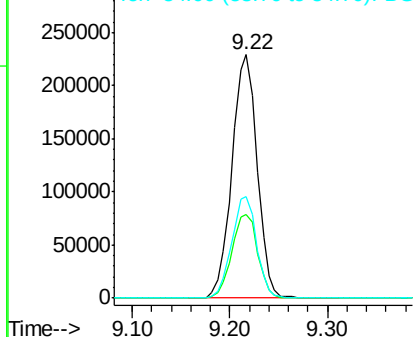


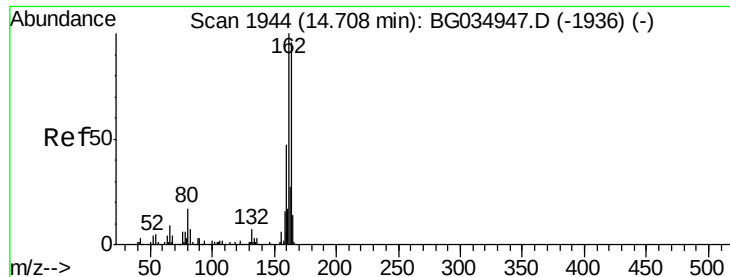
#23
Nitrobenzene-d5
Concen: 123.866 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.02 min
Lab File: BG035340.D
Acq: 22 Jun 2018 19:23

Tgt Ion:	82	Resp:	410962
Ion	Ratio	Lower	Upper
82	100		
128	34.1	29.7	44.5
54	41.9	43.1	64.7#



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# 1938

Delta R.T. -0.02 min

Lab File: BG035340.D

Acq: 22 Jun 2018 19:23

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1

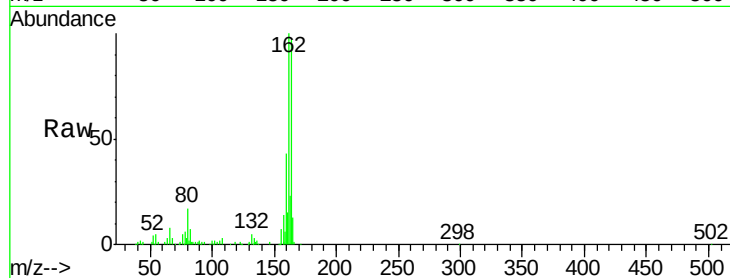
Tgt Ion:164 Resp: 105872

Ion Ratio Lower Upper

164 100

162 102.8 78.8 118.2

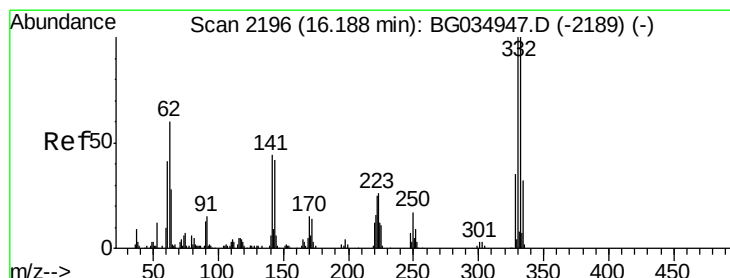
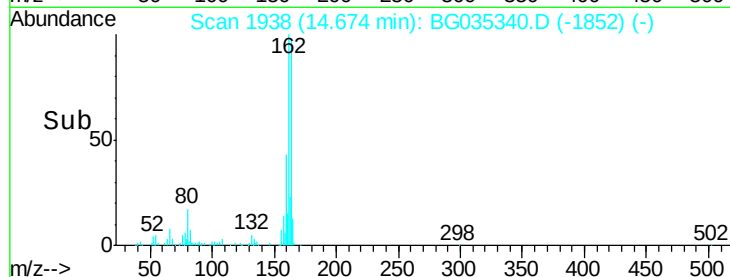
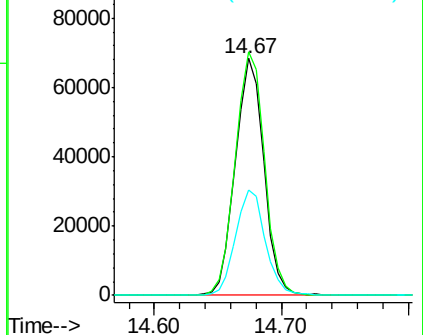
160 44.5 35.4 53.0



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: 208.481 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BG035340.D

Acq: 22 Jun 2018 19:23

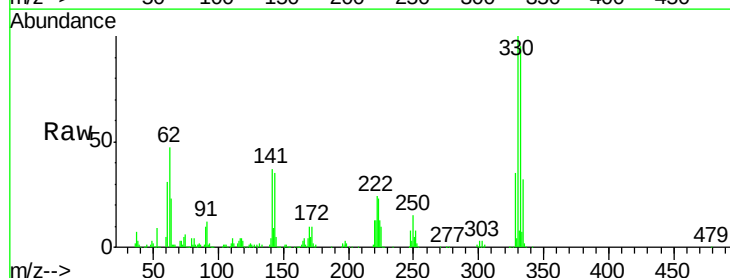
Tgt Ion:330 Resp: 282553

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

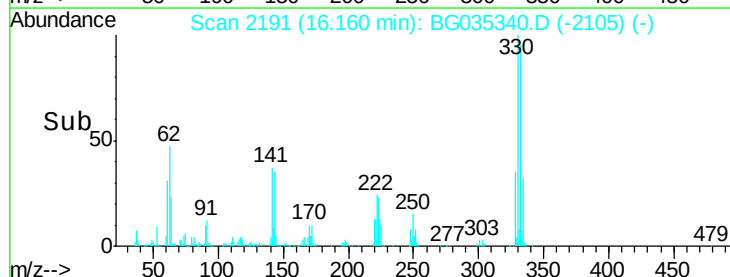
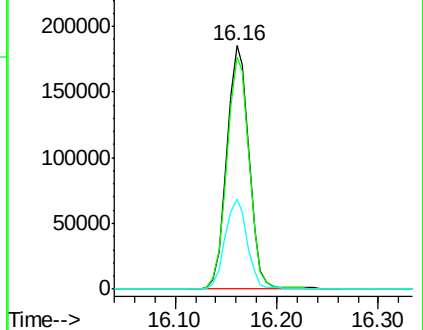
141 37.0 25.2 37.8

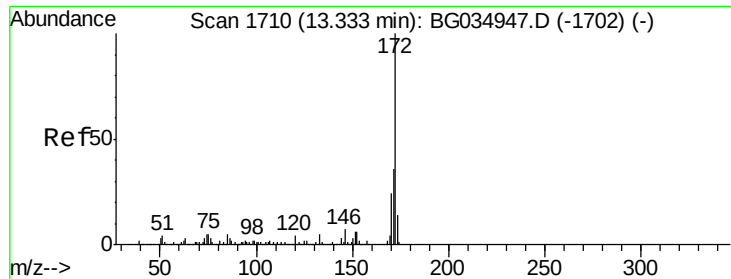


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

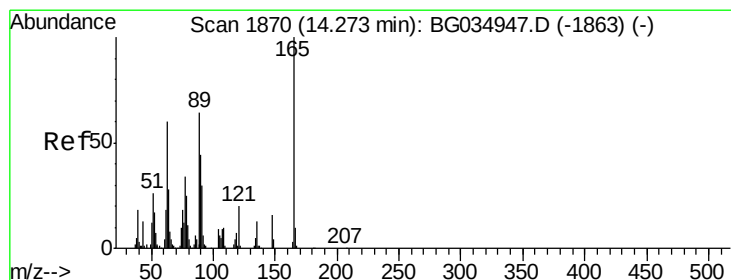
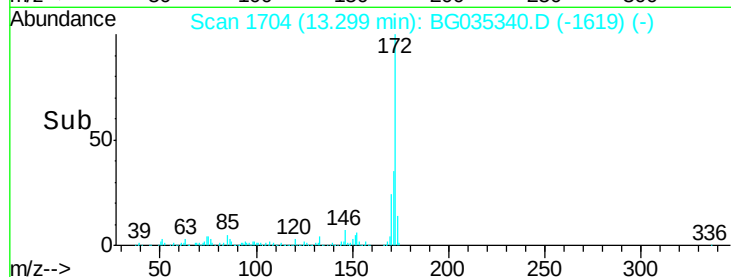
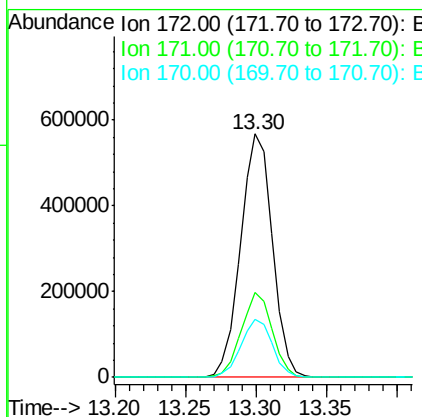
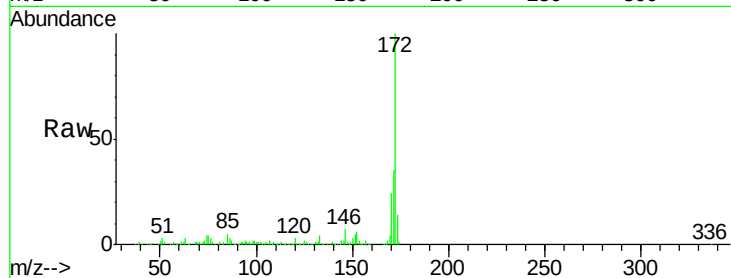




#44
 2-Fluorobiphenyl
 Concen: 110.089 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.03 min
 Lab File: BG035340.D
 Acq: 22 Jun 2018 19:23

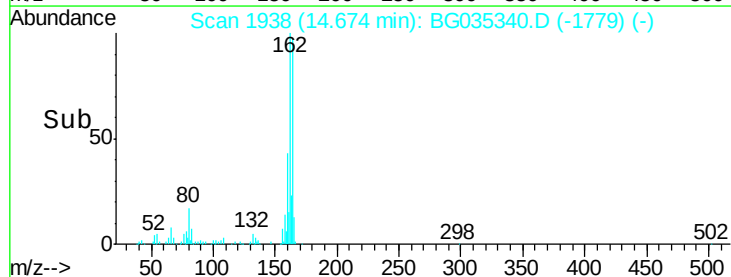
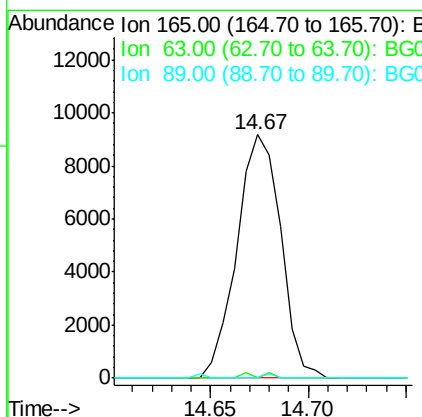
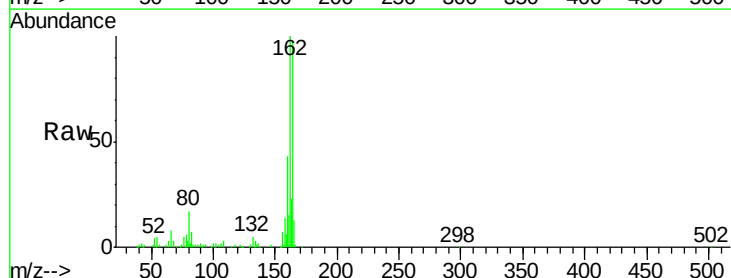
Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1

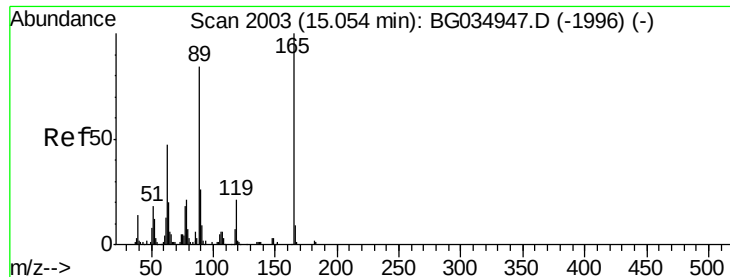
Tgt Ion:172 Resp: 896567
 Ion Ratio Lower Upper
 172 100
 171 34.7 30.0 45.0
 170 23.7 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.475 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. 0.41 min
 Lab File: BG035340.D
 Acq: 22 Jun 2018 19:23

Tgt Ion:165 Resp: 14275
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 6.380 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.38 min

Lab File: BG035340.D

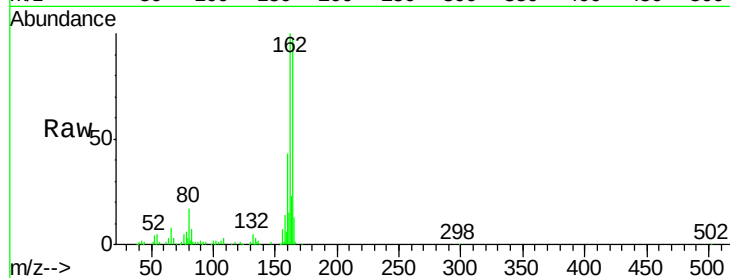
Acq: 22 Jun 2018 19:23

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1



Tgt Ion:165 Resp: 14275

Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

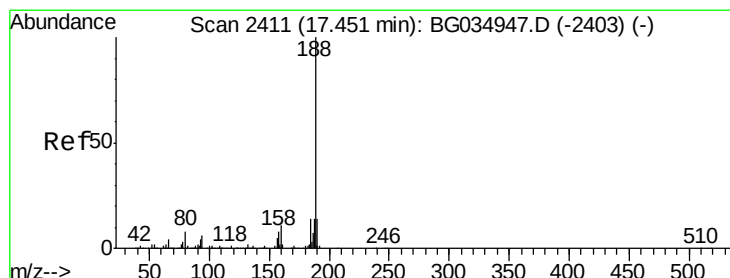
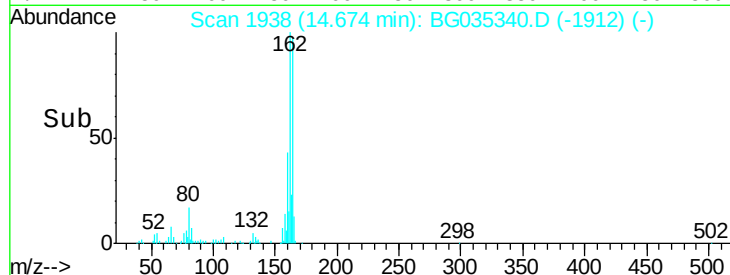
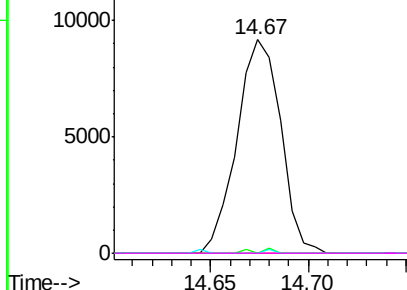
182 0.0 2.6 3.8#

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: 17.42 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BG035340.D

Acq: 22 Jun 2018 19:23

Tgt Ion:188 Resp: 302130

Ion Ratio Lower Upper

188 100

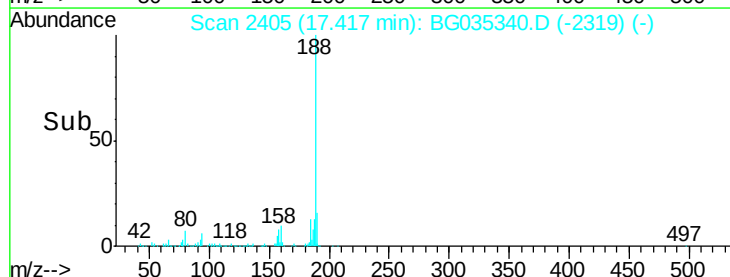
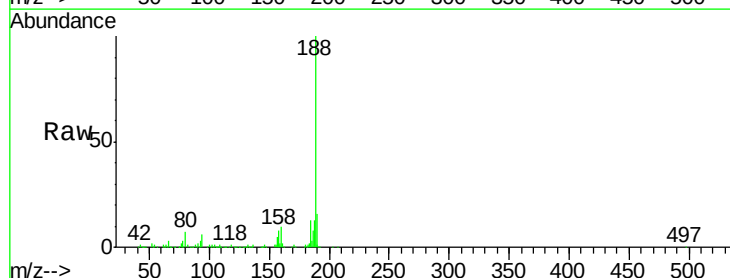
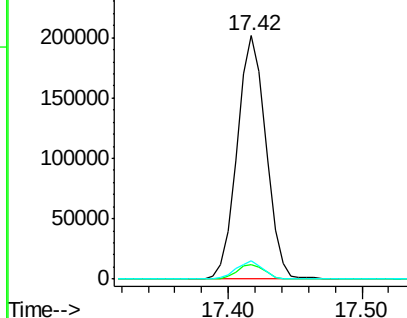
94 5.9 6.9 10.3#

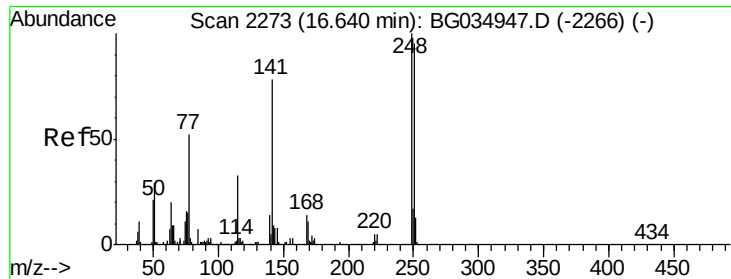
80 7.4 7.7 11.5#

Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

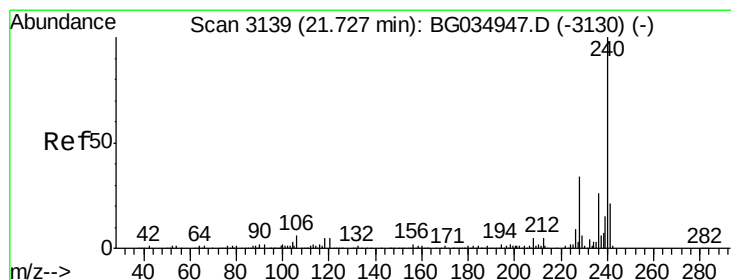
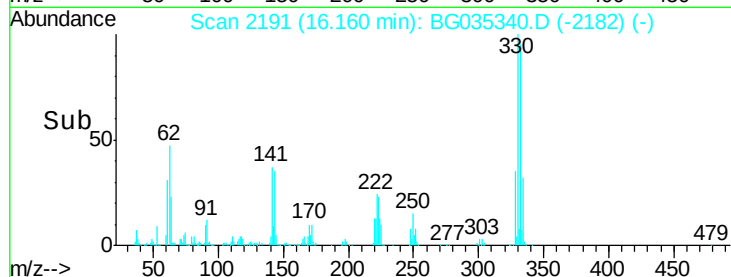
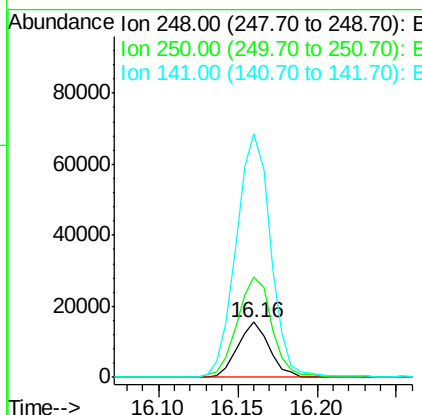
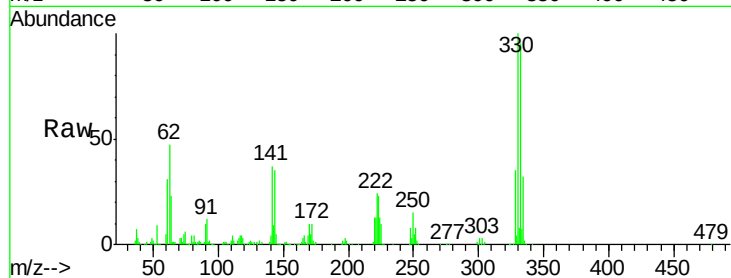




#66
4-Bromophenyl-phenylether
Concen: 5.904 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.47 min
Lab File: BG035340.D
Acq: 22 Jun 2018 19:23

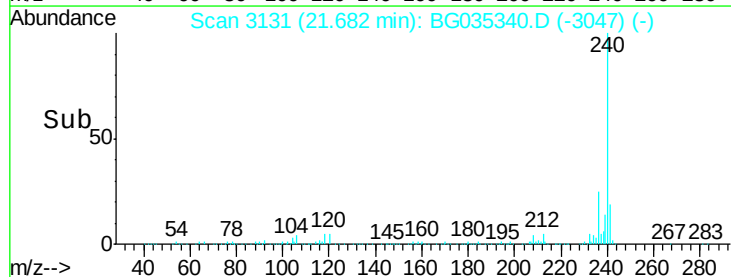
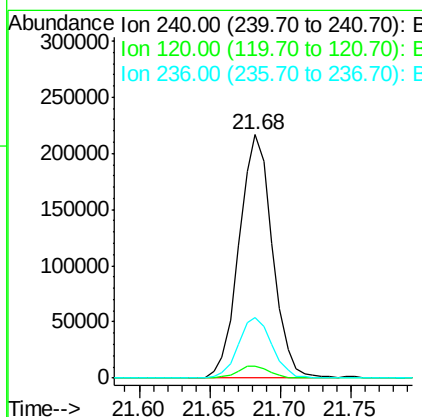
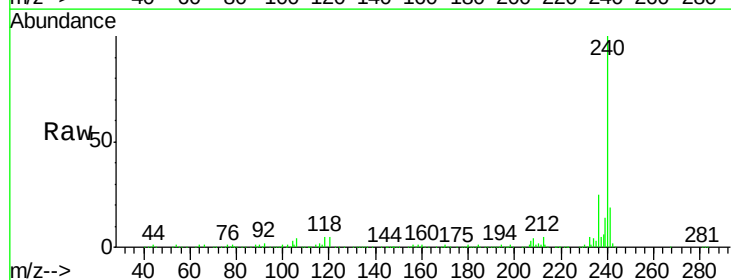
Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1

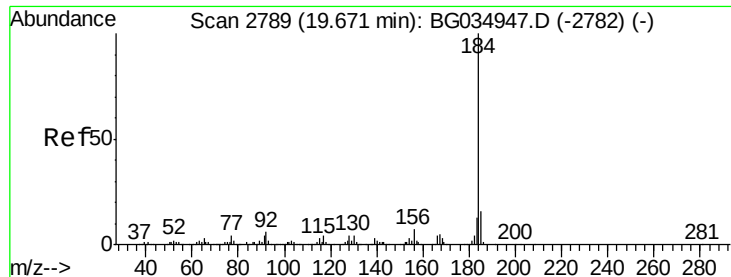
Tgt Ion:248 Resp: 21480
Ion Ratio Lower Upper
248 100
250 182.4 77.1 115.7#
141 444.1 50.8 76.2#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.03 min
Lab File: BG035340.D
Acq: 22 Jun 2018 19:23

Tgt Ion:240 Resp: 357000
Ion Ratio Lower Upper
240 100
120 5.1 6.8 10.2#
236 24.7 20.9 31.3





#76

Benzidine

Concen: 2.293 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.36 min

Lab File: BG035340.D

Acq: 22 Jun 2018 19:23

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1

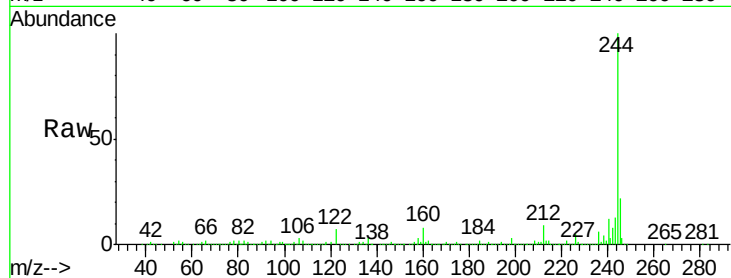
Tgt Ion:184 Resp: 30457

Ion Ratio Lower Upper

184 100

185 16.0 11.1 16.7

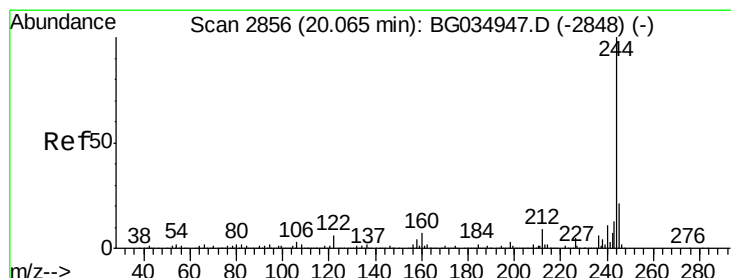
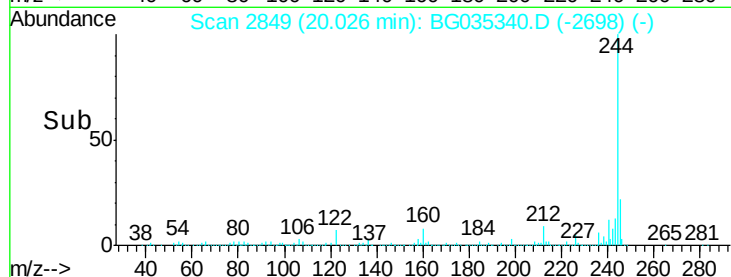
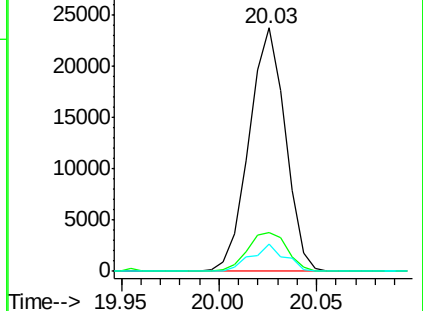
183 11.4 10.6 16.0



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: 104.214 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035340.D

Acq: 22 Jun 2018 19:23

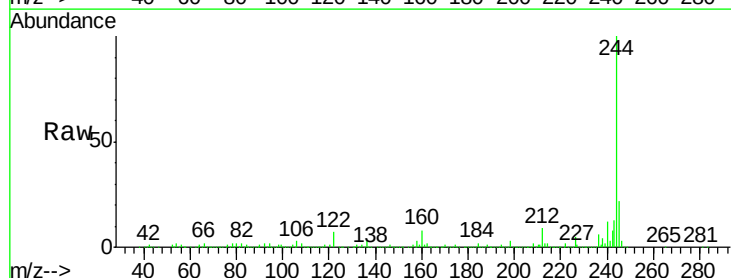
Tgt Ion:244 Resp: 1776143

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

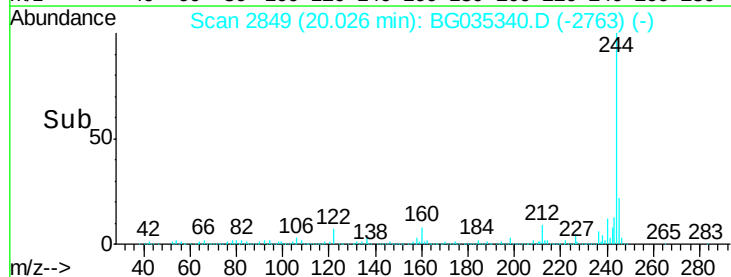
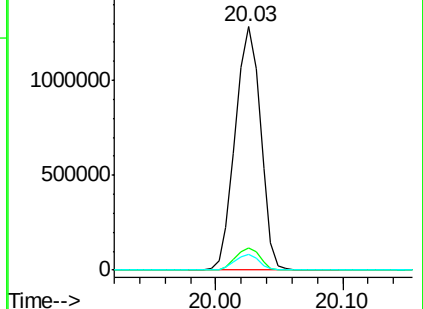
122 6.7 7.0 10.4#

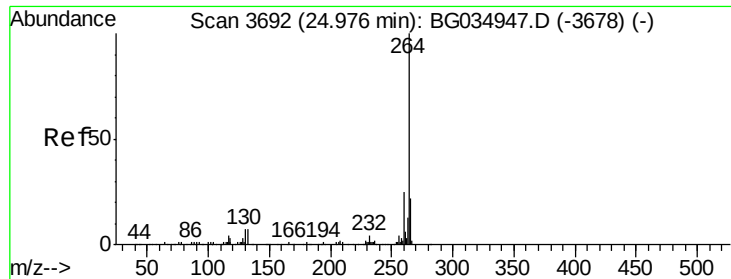


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

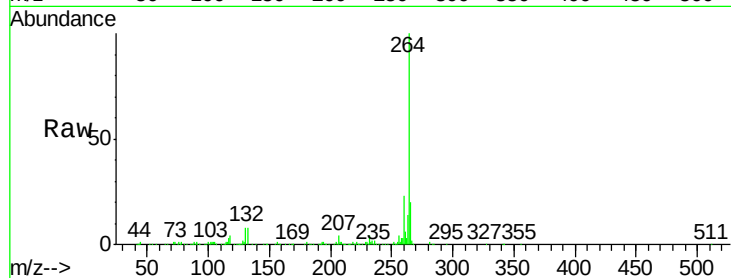




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3679
Delta R.T. -0.05 min
Lab File: BG035340.D
Acq: 22 Jun 2018 19:23

Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.4	26.0
265	19.9	17.7	26.5



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

