

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062218\
 Data File : BG035341.D
 Acq On : 22 Jun 2018 20:02
 Operator : JU/SJ
 Sample : J3594-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-2

Quant Time: Jun 22 22:05:56 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

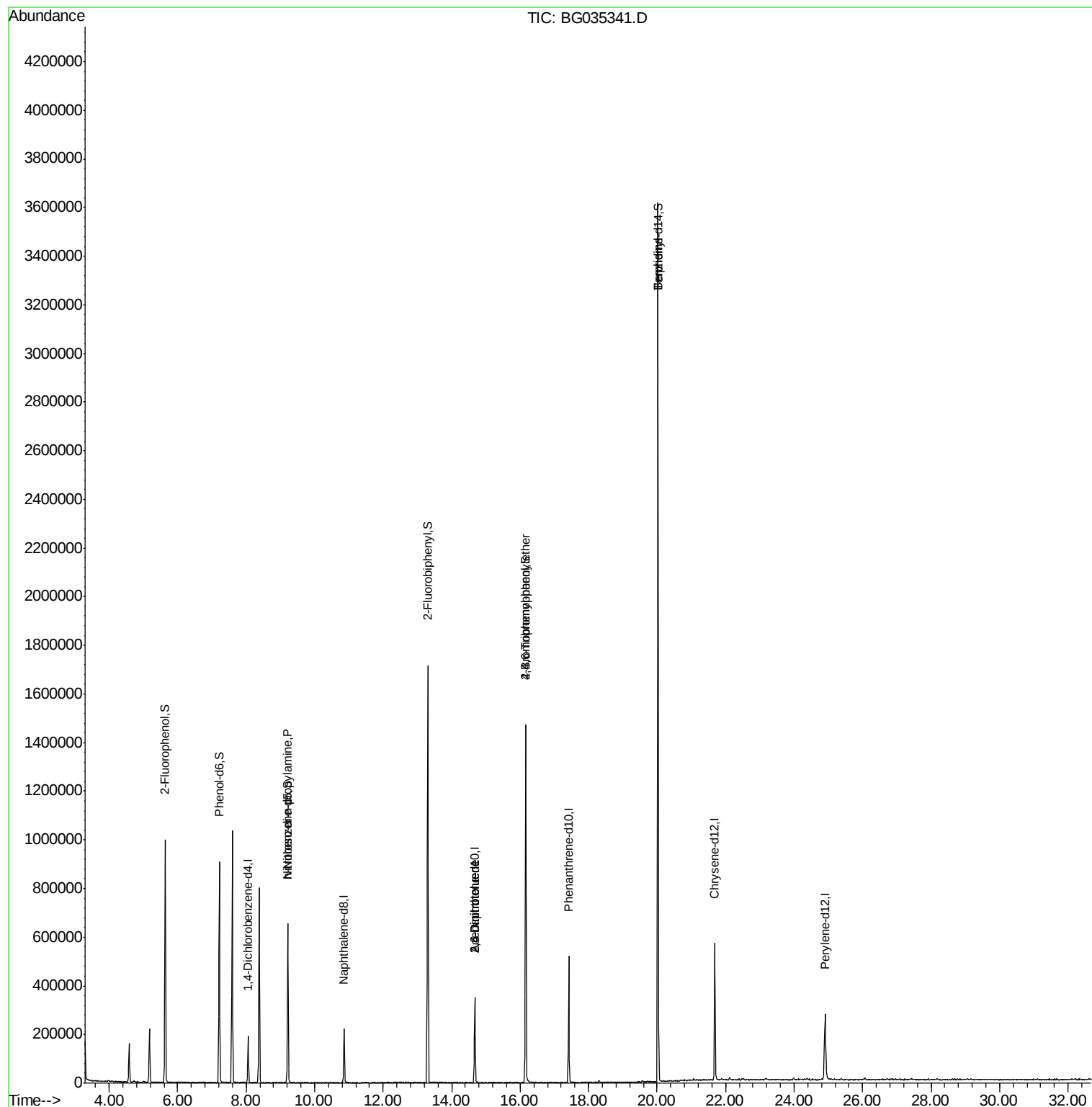
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	54094	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	180390	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	122117	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	326873	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	367296	20.00	ng	-0.03
86) Perylene-d12	24.90	264	317618	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	429615	134.03	ng	-0.01
7) Phenol-d6	7.21	99	548487	115.94	ng	-0.01
23) Nitrobenzene-d5	9.22	82	429623	113.21	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	280969	179.73	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	929501	98.95	ng	-0.03
78) Terphenyl-d14	20.03	244	1717327	97.94	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	60477	15.047	ng	# 69
50) 2,6-Dinitrotoluene	14.67	165	16584	8.536	ng	# 19
56) 2,4-Dinitrotoluene	14.67	165	16584	6.426	ng	# 17
66) 4-Bromophenyl-phenylether	16.16	248	21348	5.423	ng	# 1
76) Benzidine	20.03	184	30721	2.248	ng	# 89

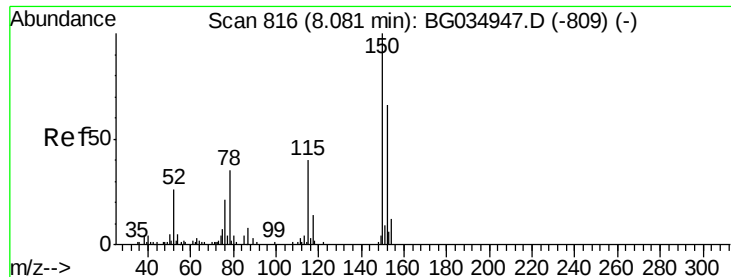
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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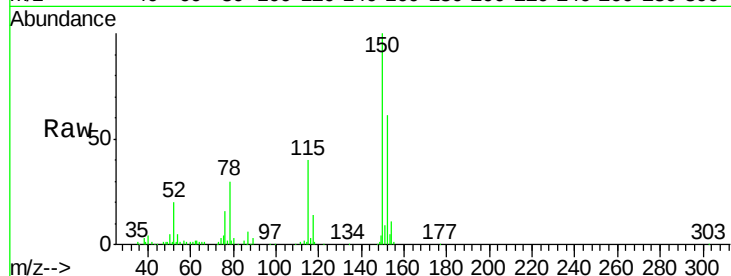


#1

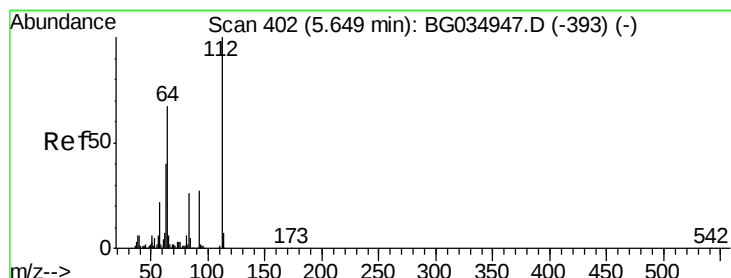
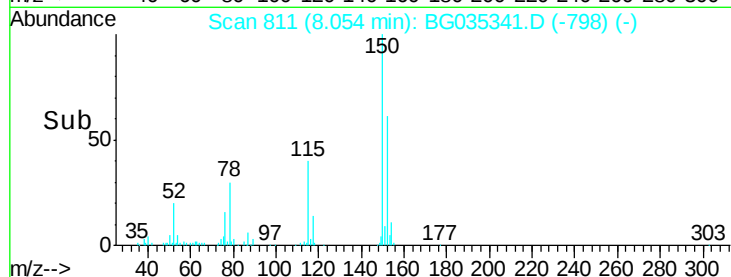
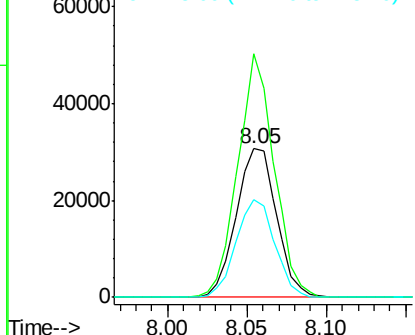
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035341.D
Acq: 22 Jun 2018 20:02

Instrument :
BNA_G
ClientSampleId :
HC-SOIL-2

Tgt Ion:152 Resp: 54094
Ion Ratio Lower Upper
152 100
150 164.0 126.6 189.8
115 65.7 53.0 79.4



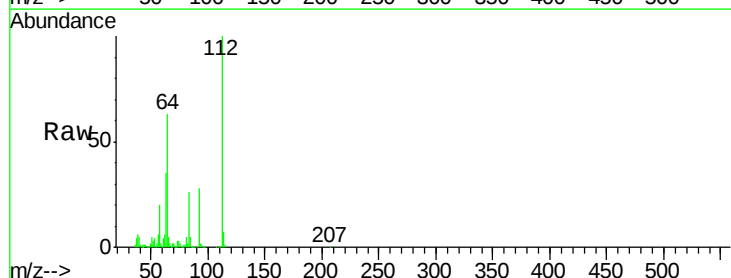
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



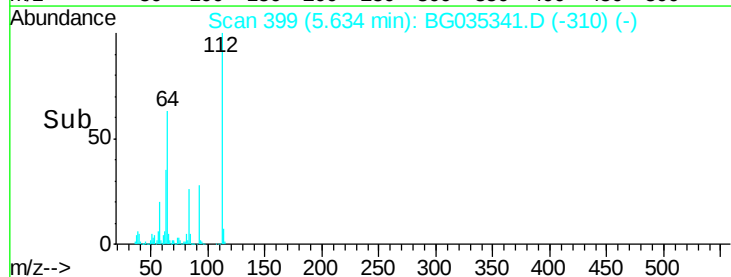
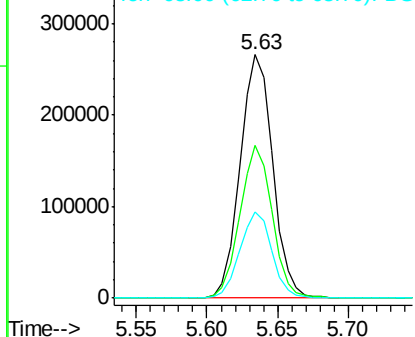
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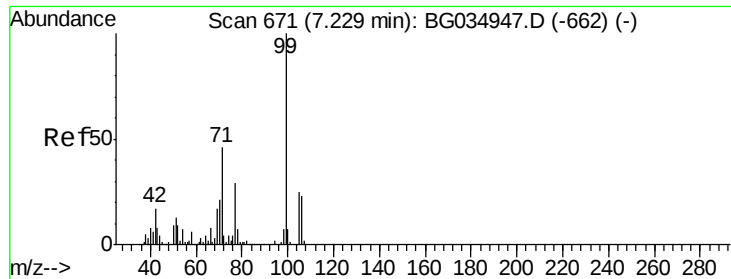
2-Fluorophenol
Concen: 134.030 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035341.D
Acq: 22 Jun 2018 20:02

Tgt Ion:112 Resp: 429615
Ion Ratio Lower Upper
112 100
64 63.0 56.3 84.5
63 35.4 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: 115.936 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035341.D

Acq: 22 Jun 2018 20:02

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-2

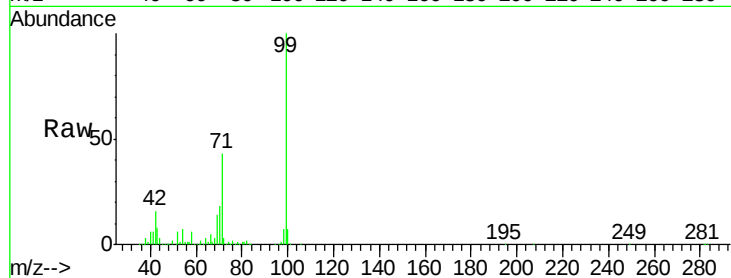
Tgt Ion: 99 Resp: 548487

Ion Ratio Lower Upper

99 100

42 16.2 14.1 21.1

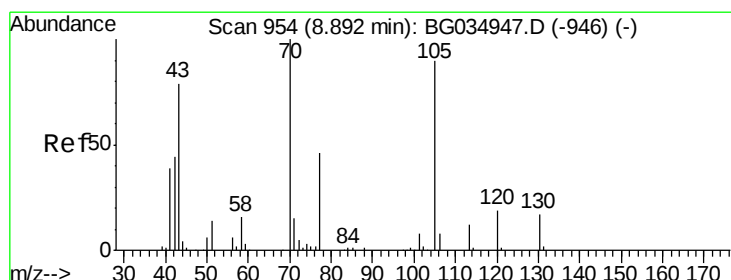
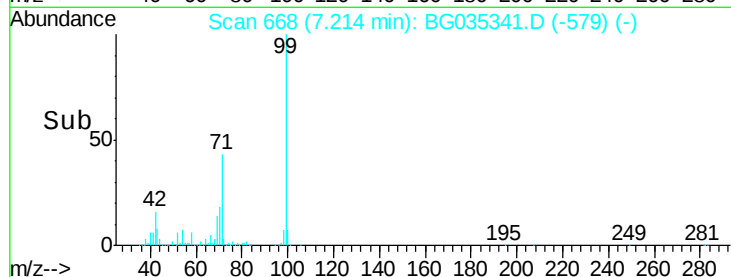
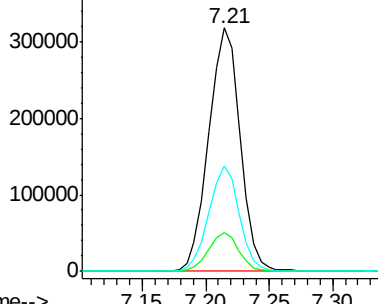
71 43.0 26.1 39.1#



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: 15.047 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.34 min

Lab File: BG035341.D

Acq: 22 Jun 2018 20:02

Tgt Ion: 70 Resp: 60477

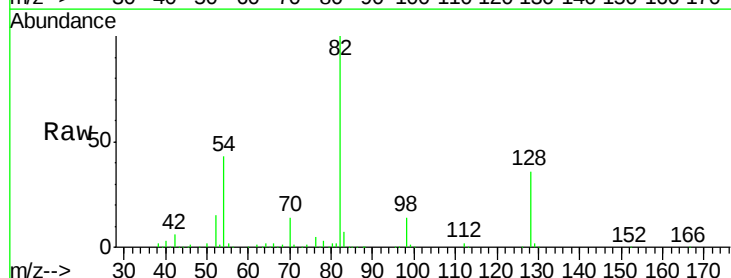
Ion Ratio Lower Upper

70 100

42 38.7 49.1 73.7#

101 0.0 8.5 12.7#

130 1.5 13.4 20.0#

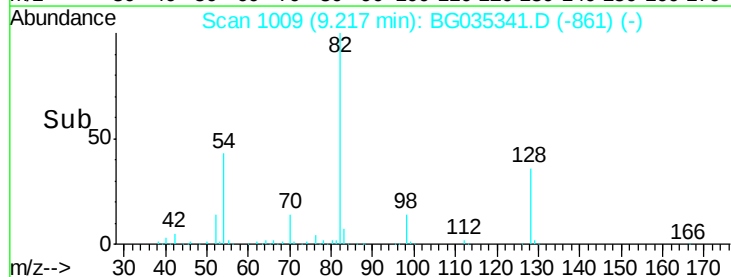
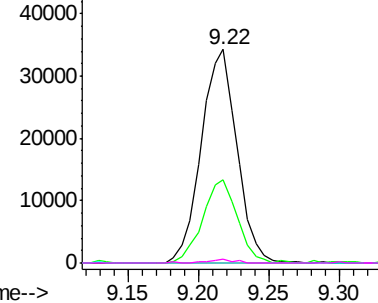


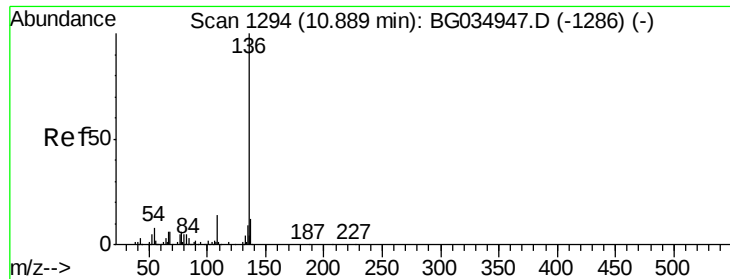
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

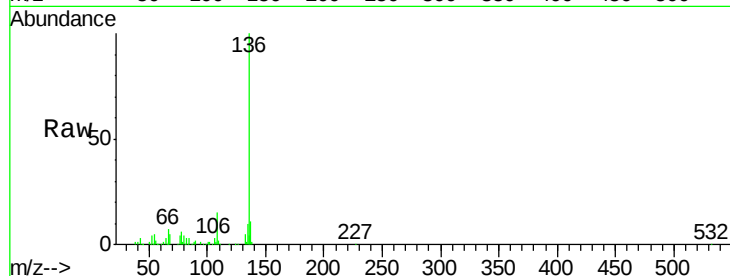




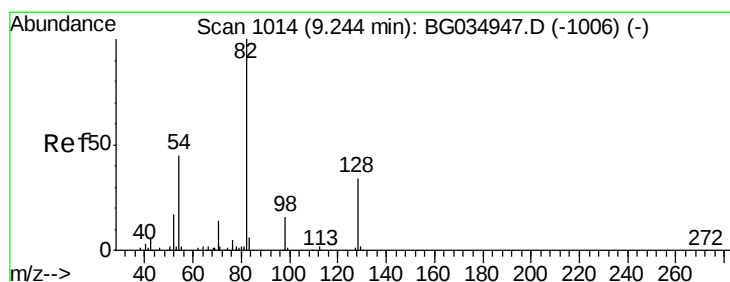
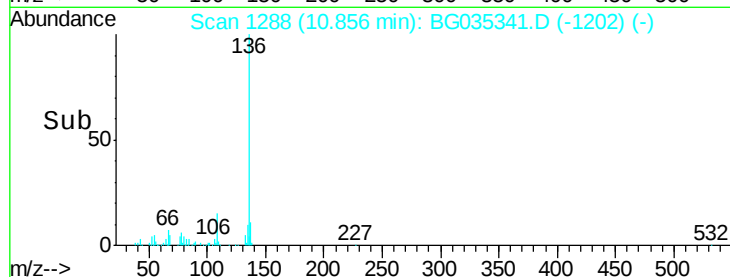
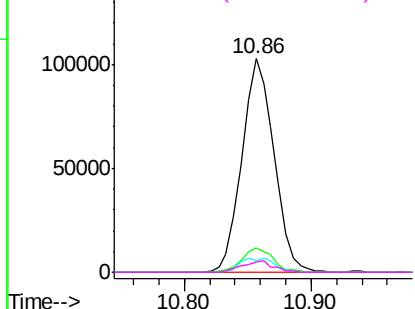
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BG035341.D
Acq: 22 Jun 2018 20:02

Instrument :
BNA_G
ClientSampleId :
HC-SOIL-2

Tgt Ion:	136	Resp:	180390
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	5.5	10.3	15.5
68	4.7	4.5	6.7

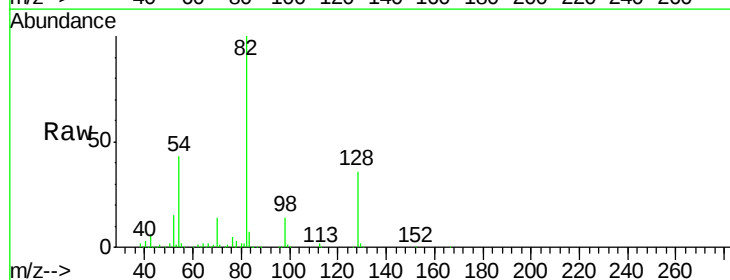


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

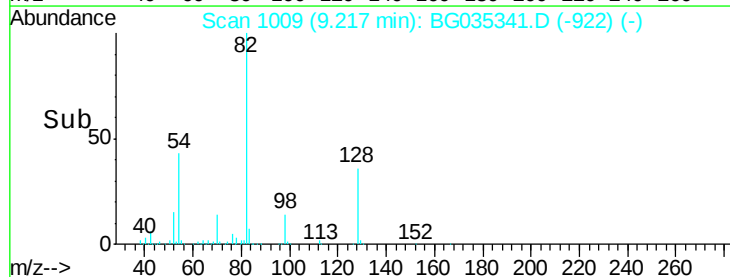
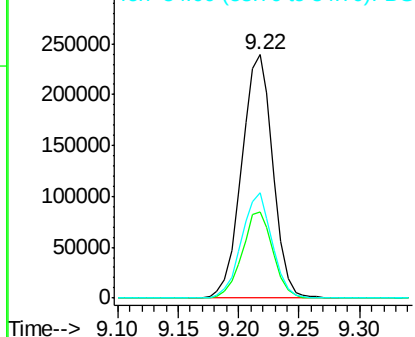


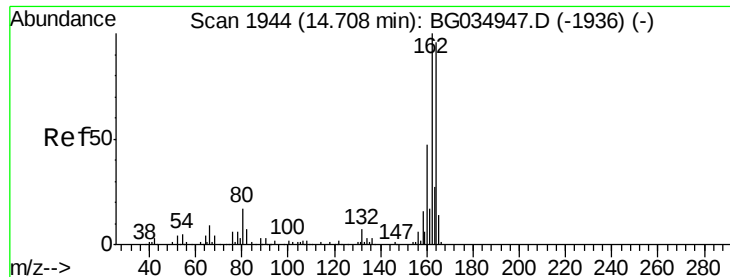
#23
Nitrobenzene-d5
Concen: 113.209 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.02 min
Lab File: BG035341.D
Acq: 22 Jun 2018 20:02

Tgt Ion:	82	Resp:	429623
Ion	Ratio	Lower	Upper
82	100		
128	35.5	29.7	44.5
54	43.5	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.02 min

Lab File: BG035341.D

Acq: 22 Jun 2018 20:02

Instrument :

BNA_G

ClientSampled :

HC-SOIL-2

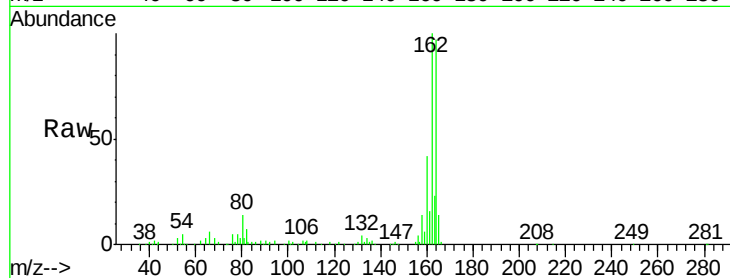
Tgt Ion:164 Resp: 122117

Ion Ratio Lower Upper

164 100

162 102.9 78.8 118.2

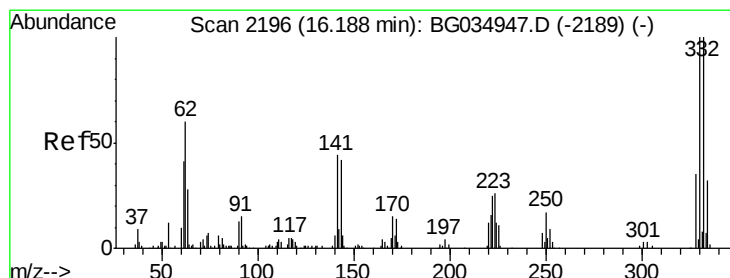
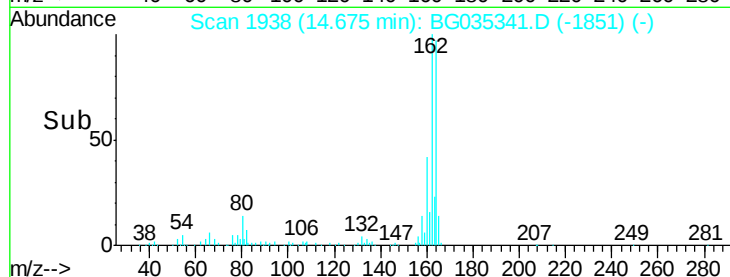
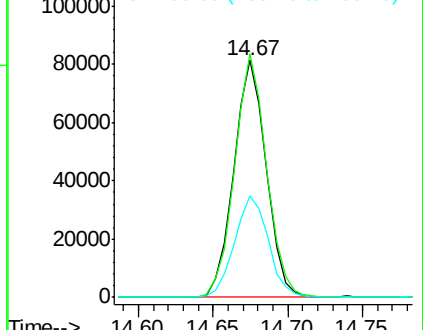
160 42.7 35.4 53.0



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: 179.734 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BG035341.D

Acq: 22 Jun 2018 20:02

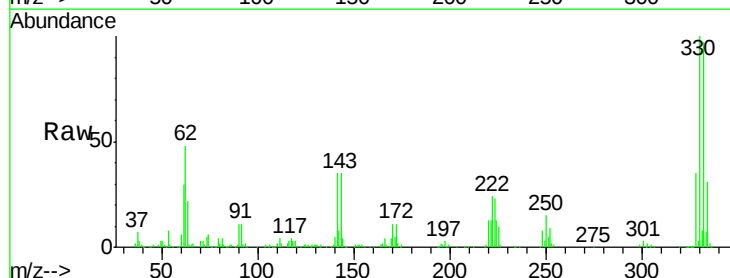
Tgt Ion:330 Resp: 280969

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

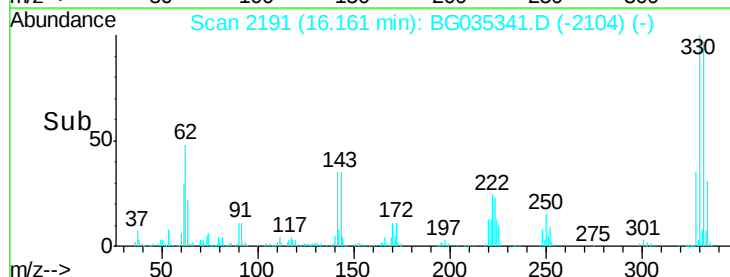
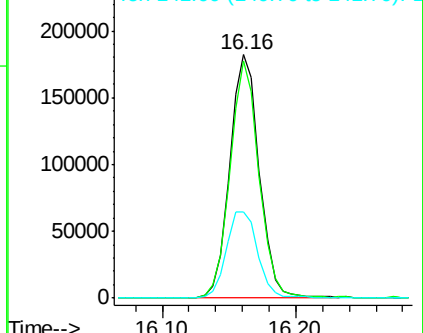
141 38.2 25.2 37.8#

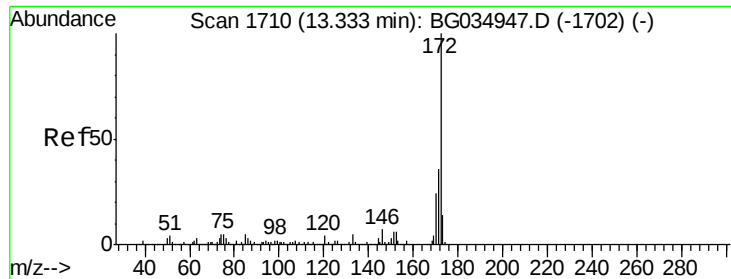


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

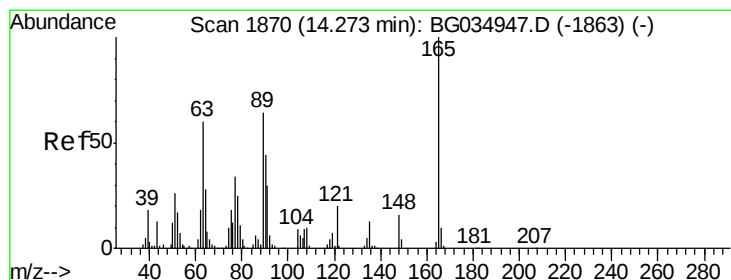
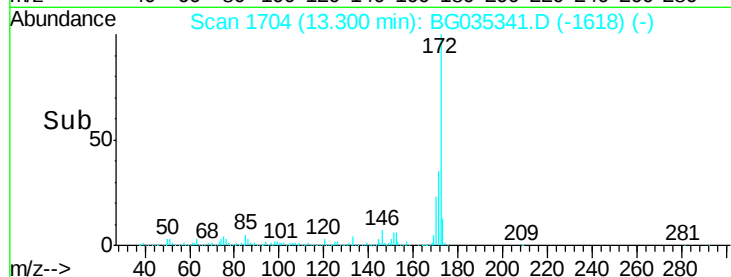
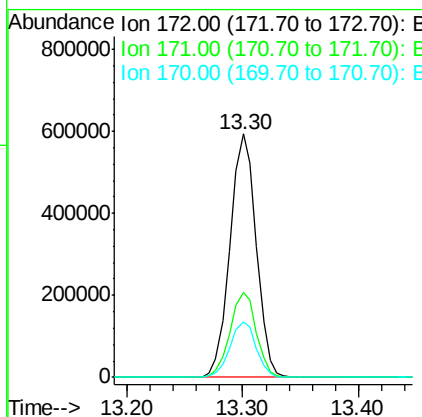
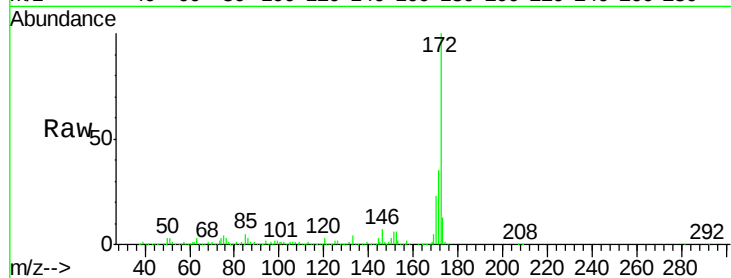




#44
 2-Fluorobiphenyl
 Concen: 98.950 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.03 min
 Lab File: BG035341.D
 Acq: 22 Jun 2018 20:02

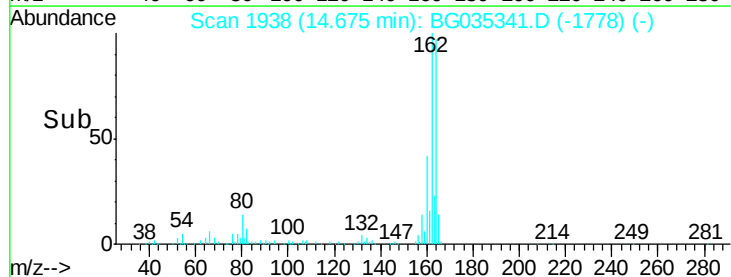
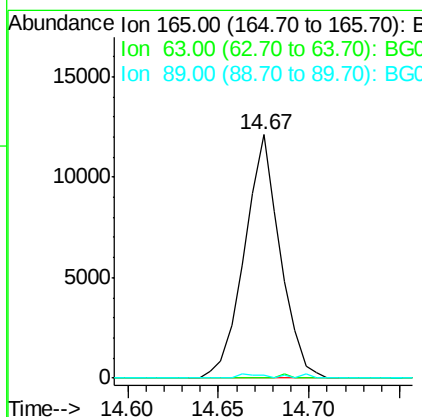
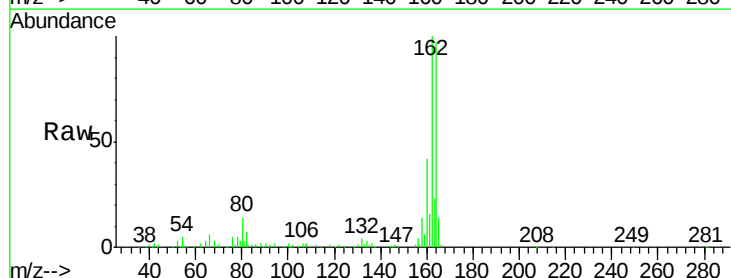
Instrument :
 BNA_G
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 HC-SOIL-2

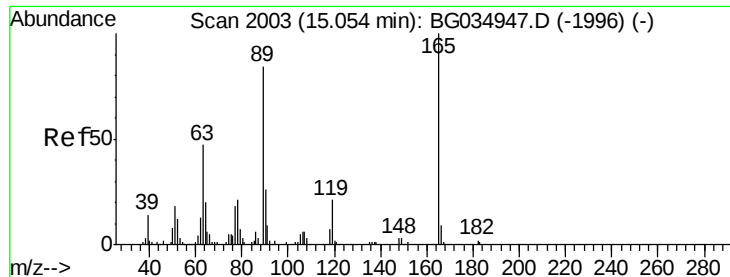
Tgt Ion:172 Resp: 929501
 Ion Ratio Lower Upper
 172 100
 171 34.8 30.0 45.0
 170 22.8 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.536 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. 0.41 min
 Lab File: BG035341.D
 Acq: 22 Jun 2018 20:02

Tgt Ion:165 Resp: 16584
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 1.4 49.2 73.8#

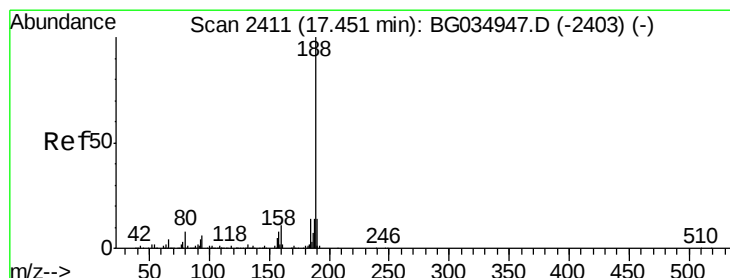
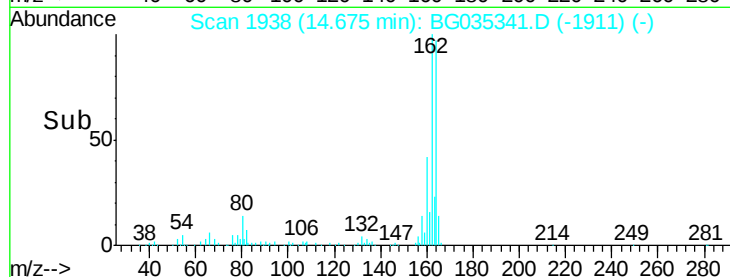
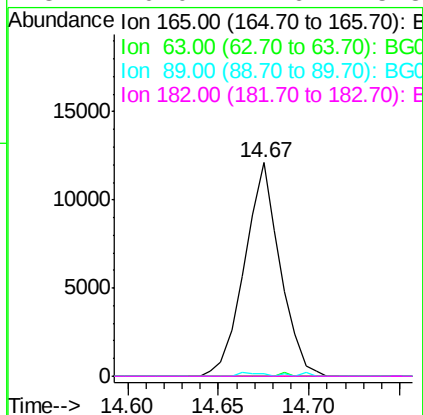
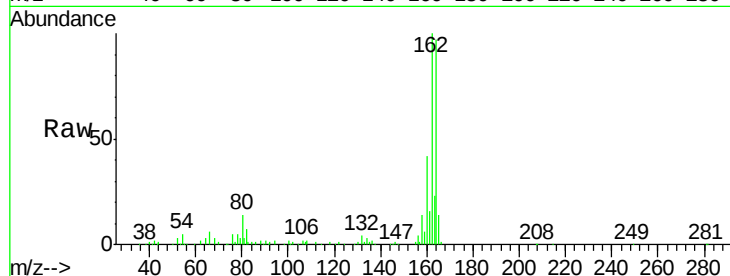




#56
 2,4-Dinitrotoluene
 Concen: 6.426 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.37 min
 Lab File: BG035341.D
 Acq: 22 Jun 2018 20:02

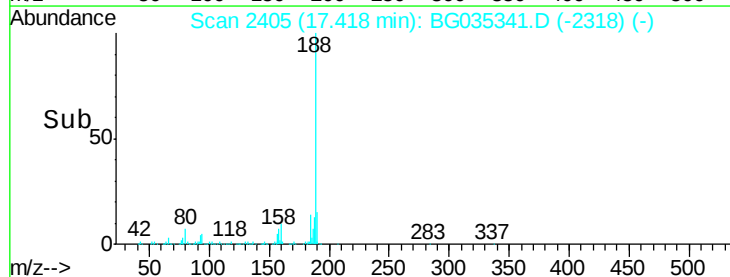
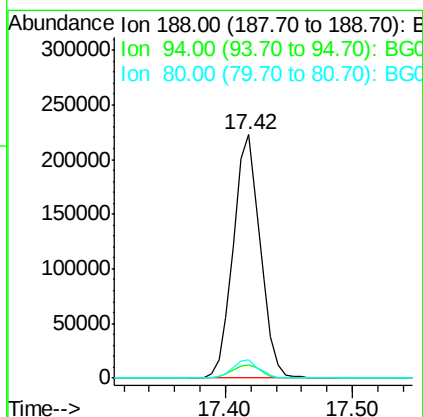
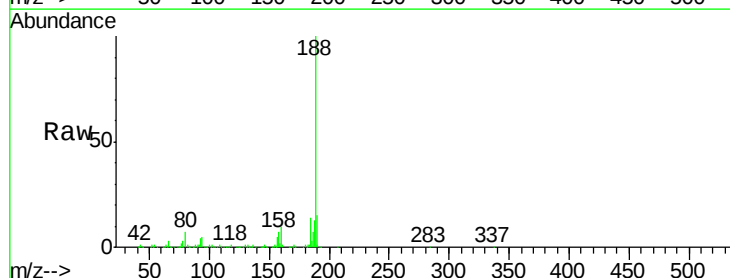
Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-2

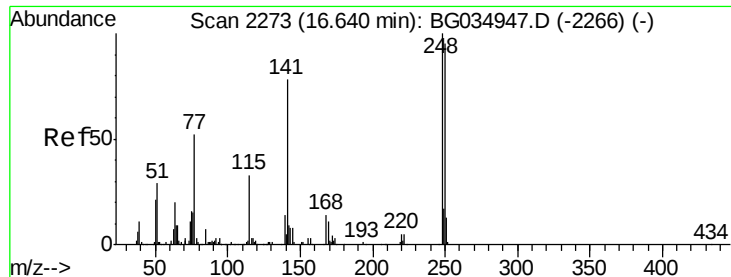
Tgt Ion:165 Resp: 16584
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 1.4 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.02 min
 Lab File: BG035341.D
 Acq: 22 Jun 2018 20:02

Tgt Ion:188 Resp: 326873
 Ion Ratio Lower Upper
 188 100
 94 5.4 6.9 10.3#
 80 7.3 7.7 11.5#

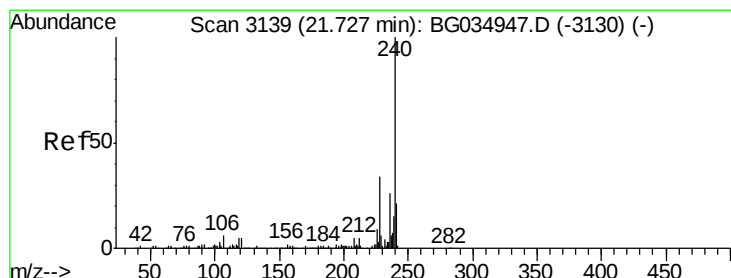
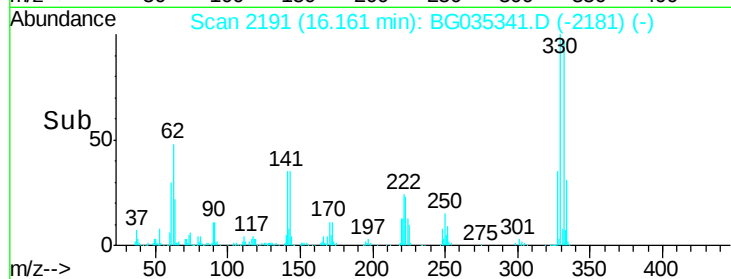
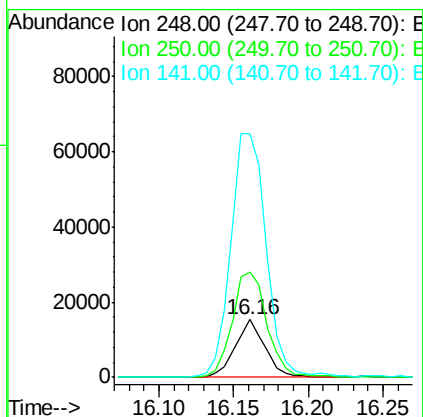
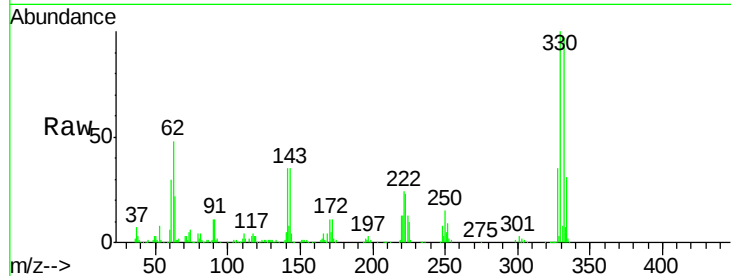




#66
 4-Bromophenyl-phenylether
 Concen: 5.423 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.47 min
 Lab File: BG035341.D
 Acq: 22 Jun 2018 20:02

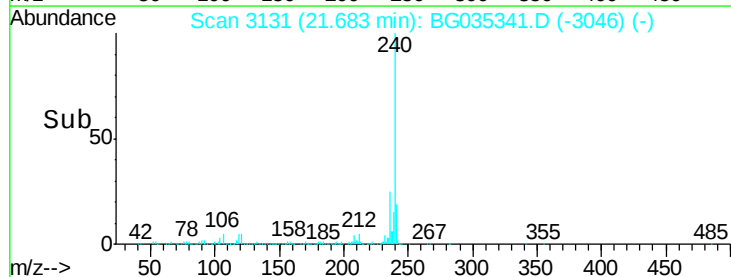
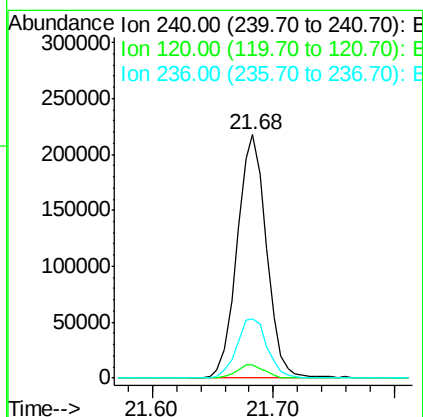
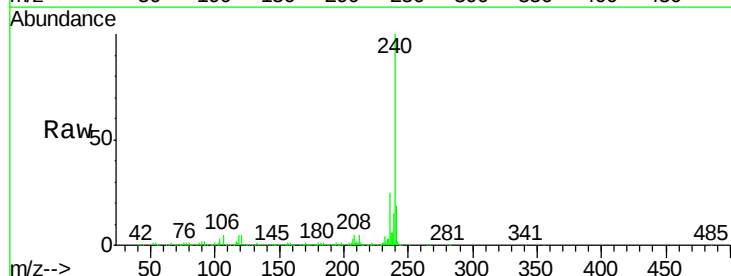
Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-2

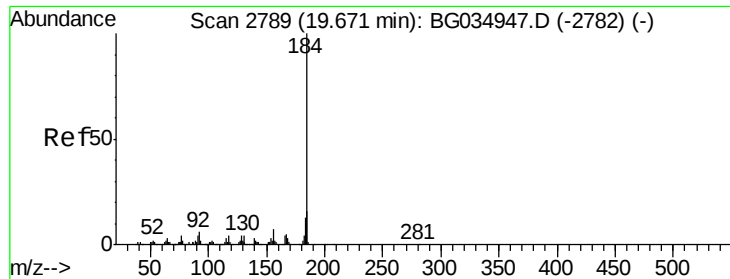
Tgt Ion:248 Resp: 21348
 Ion Ratio Lower Upper
 248 100
 250 182.3 77.1 115.7#
 141 421.5 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.03 min
 Lab File: BG035341.D
 Acq: 22 Jun 2018 20:02

Tgt Ion:240 Resp: 367296
 Ion Ratio Lower Upper
 240 100
 120 5.2 6.8 10.2#
 236 24.6 20.9 31.3





#76

Benzidine

Concen: 2.248 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.36 min

Lab File: BG035341.D

Acq: 22 Jun 2018 20:02

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-2

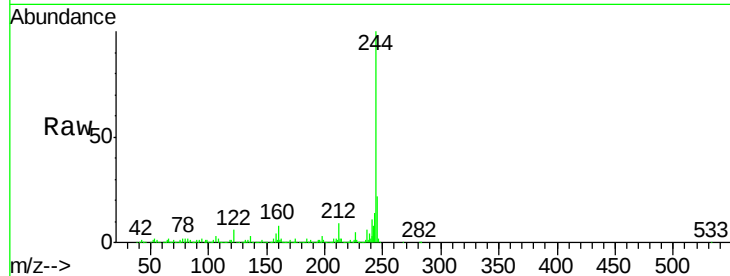
Tgt Ion:184 Resp: 30721

Ion Ratio Lower Upper

184 100

185 17.1 11.1 16.7#

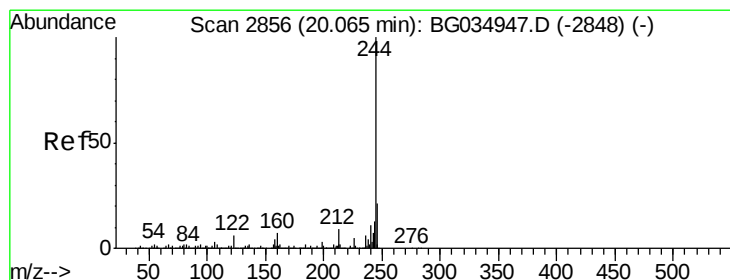
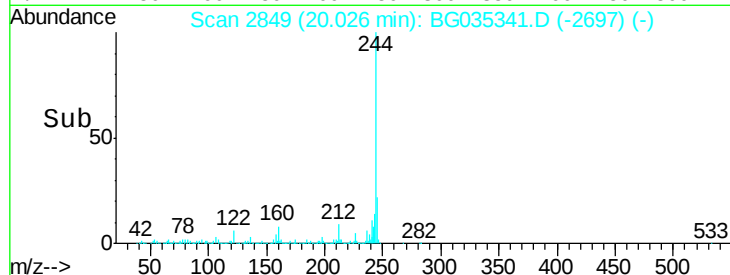
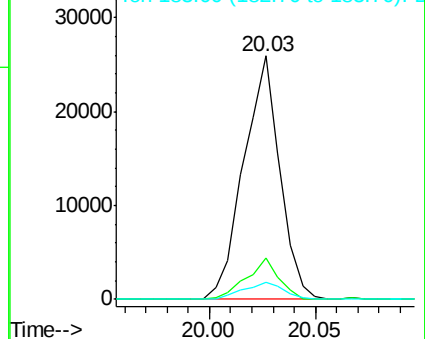
183 7.2 10.6 16.0#



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: 97.938 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035341.D

Acq: 22 Jun 2018 20:02

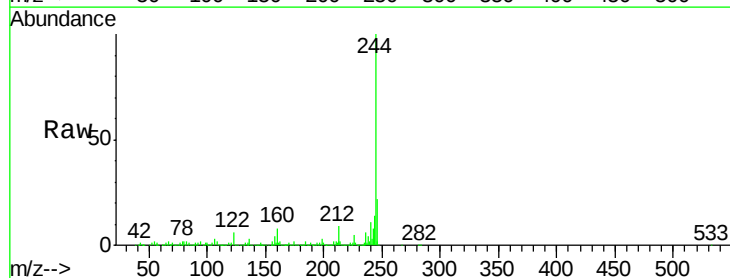
Tgt Ion:244 Resp: 1717327

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

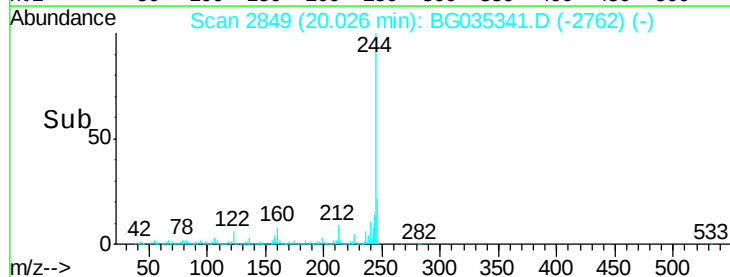
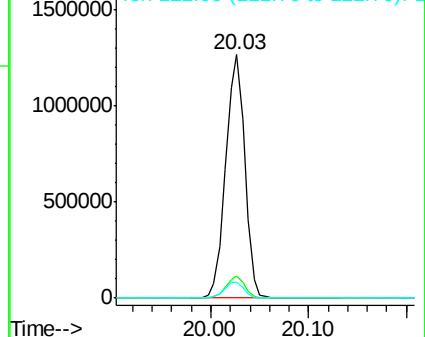
122 6.4 7.0 10.4#

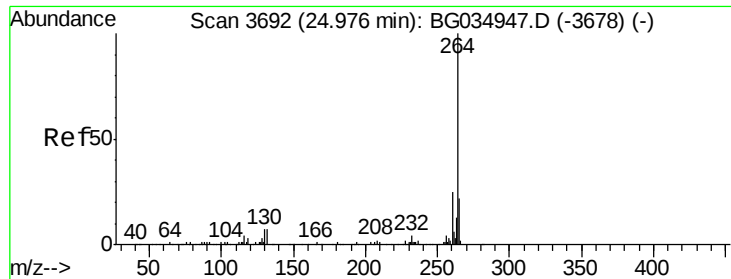


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



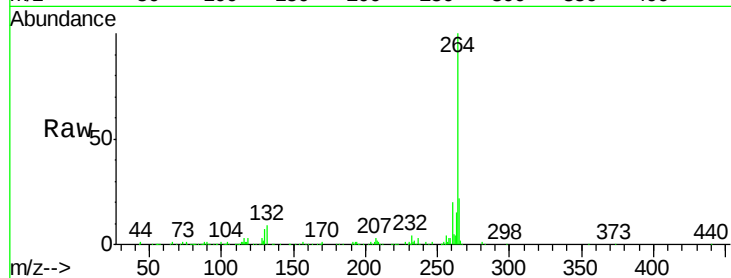


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3679
Delta R.T. -0.05 min
Lab File: BG035341.D
Acq: 22 Jun 2018 20:02

Instrument :
BNA_G
ClientSampleId :
HC-SOIL-2

Tgt Ion: 264 Resp: 317618

Ion	Ratio	Lower	Upper
264	100		
260	20.4	17.4	26.0
265	22.0	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

