

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062218\
 Data File : BG035343.D
 Acq On : 22 Jun 2018 21:19
 Operator : JU/SJ
 Sample : J3594-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-4

Quant Time: Jun 22 22:06:20 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

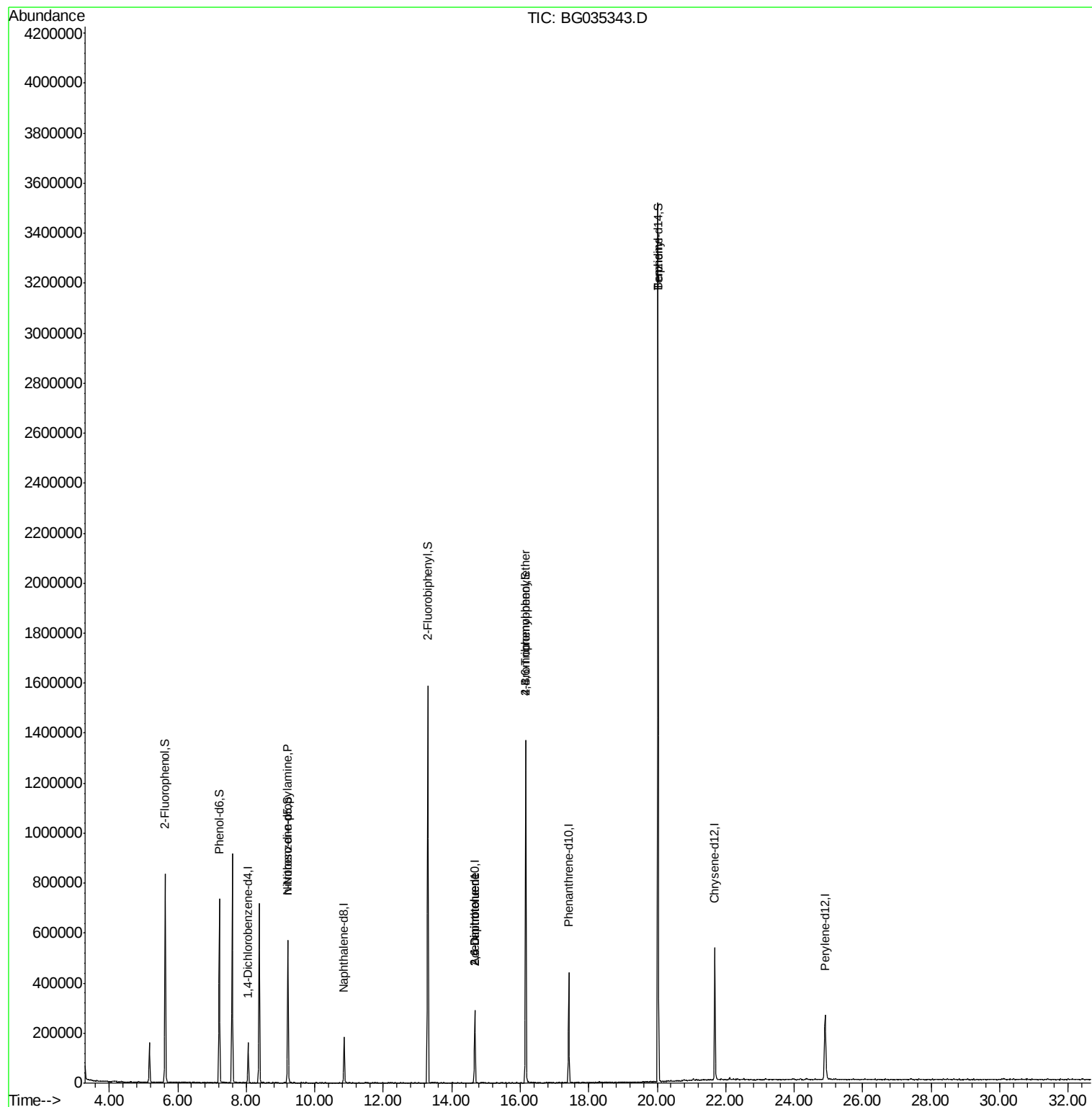
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	45735	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	155749	20.00	ng	-0.02
38) Acenaphthene-d10	14.67	164	102181	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	284838	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	338028	20.00	ng	-0.04
86) Perylene-d12	24.90	264	315827	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	362357	133.71	ng	-0.01
7) Phenol-d6	7.21	99	443904	110.98	ng	-0.01
23) Nitrobenzene-d5	9.22	82	382035	116.60	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	261955	200.26	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	851424	108.32	ng	-0.03
78) Terphenyl-d14	20.02	244	1666004	103.24	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	54762	16.115	ng	# 70
50) 2,6-Dinitrotoluene	14.67	165	14029	8.630	ng	# 21
56) 2,4-Dinitrotoluene	14.67	165	14029	6.497	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	21396	6.238	ng	# 1
76) Benzidine	20.02	184	28144	2.238	ng	# 95

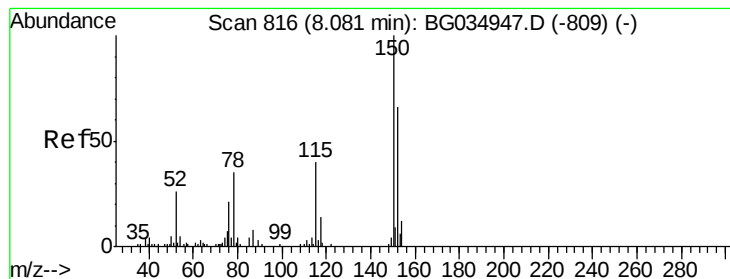
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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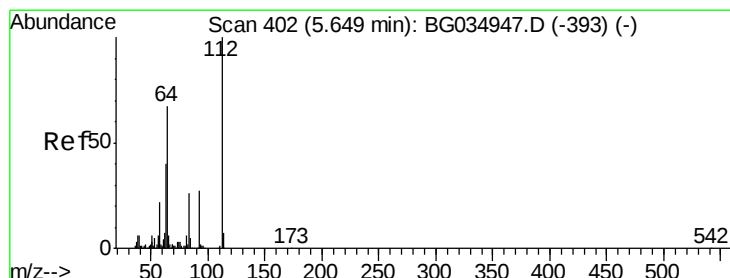
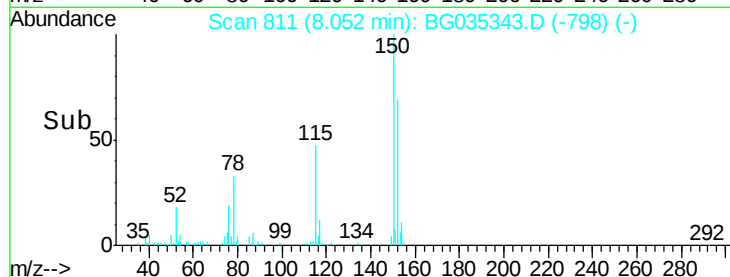
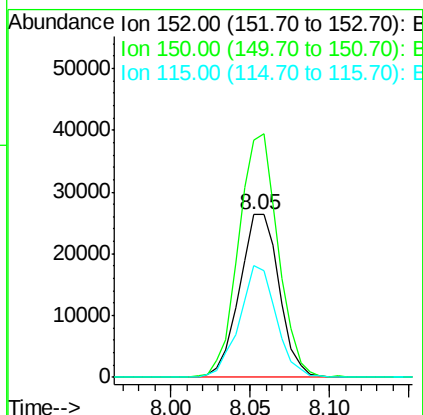
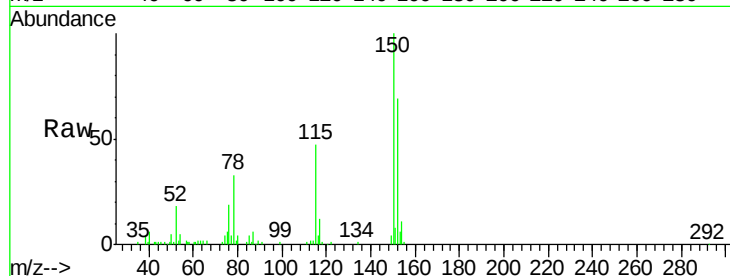


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035343.D
Acq: 22 Jun 2018 21:19

Instrument :
BNA_G
ClientSampleId :
HC-SOIL-4

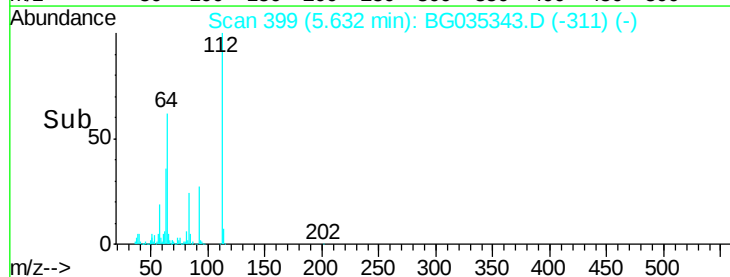
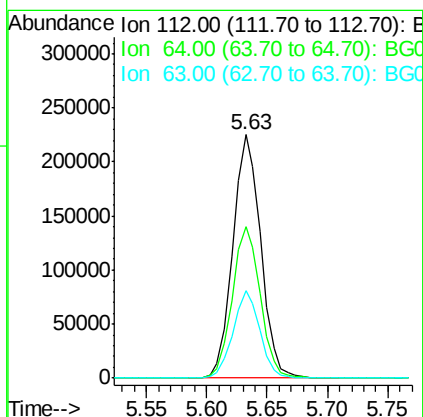
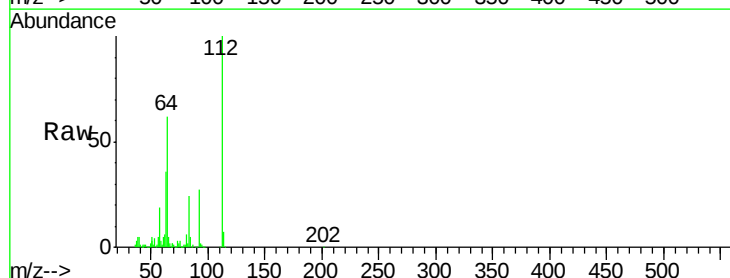
Tgt Ion	Ratio	Lower	Upper
152	100		
150	145.9	126.6	189.8
115	68.5	53.0	79.4

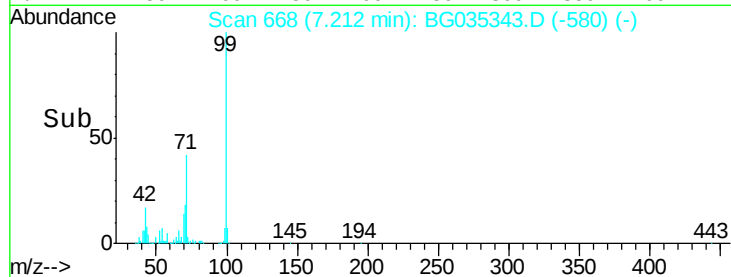
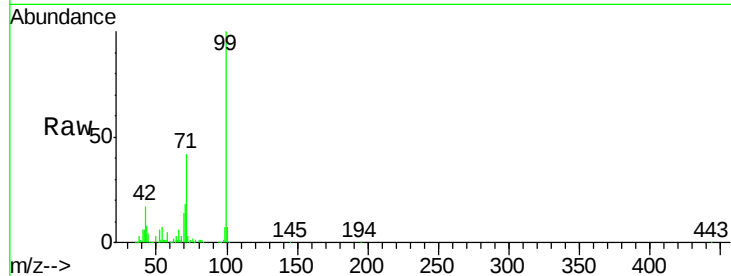
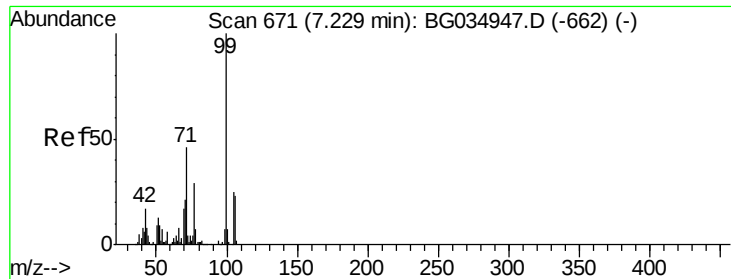


#5

2-Fluorophenol
Concen: 133.709 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035343.D
Acq: 22 Jun 2018 21:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.3	56.3	84.5
63	36.0	30.1	45.1





#7

Phenol-d6

Concen: 110.980 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035343.D

Acq: 22 Jun 2018 21:19

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-4

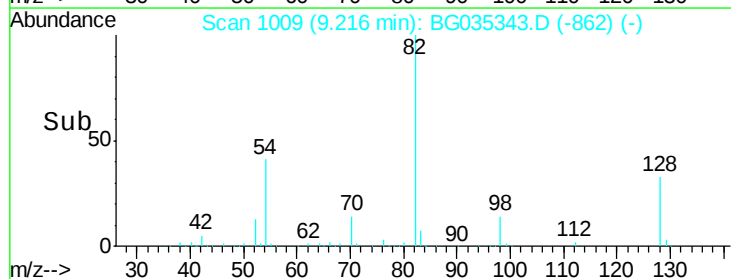
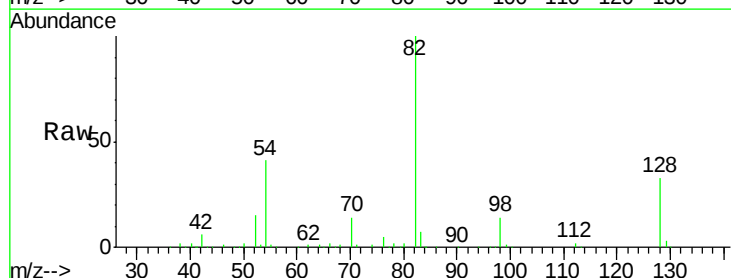
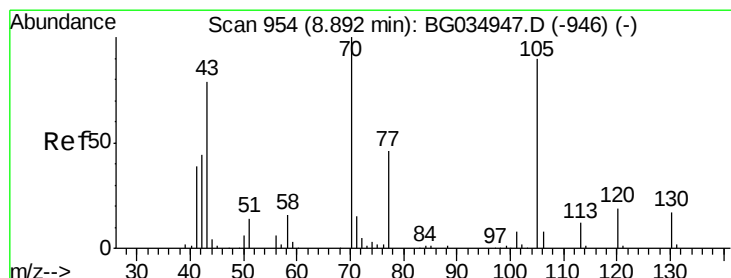
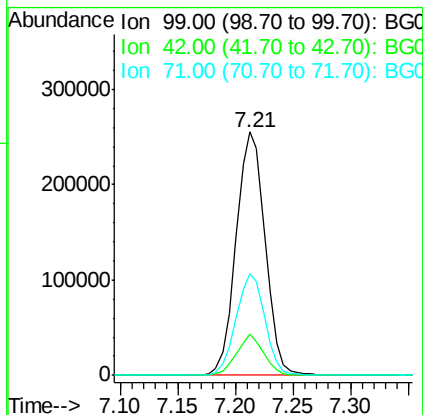
Tgt Ion: 99 Resp: 443904

Ion Ratio Lower Upper

99 100

42 17.0 14.1 21.1

71 41.6 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 16.115 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.33 min

Lab File: BG035343.D

Acq: 22 Jun 2018 21:19

Tgt Ion: 70 Resp: 54762

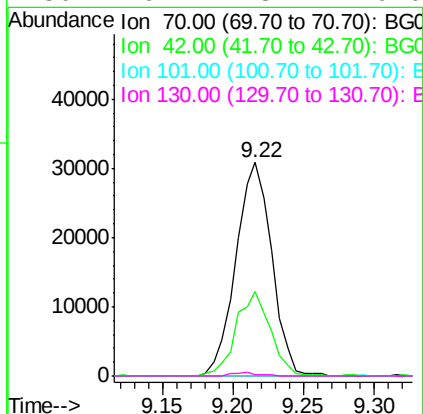
Ion Ratio Lower Upper

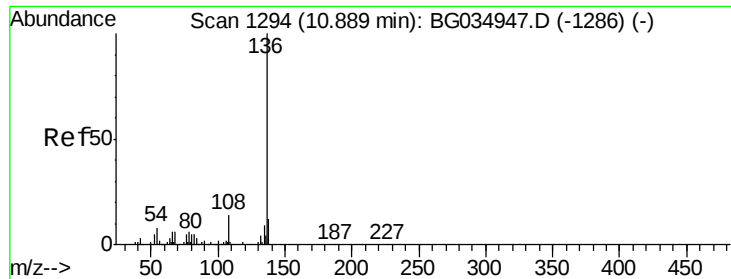
70 100

42 39.4 49.1 73.7#

101 0.0 8.5 12.7#

130 0.7 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1289

Delta R.T. -0.02 min

Lab File: BG035343.D

Acq: 22 Jun 2018 21:19

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-4

Tgt Ion:136 Resp: 155749

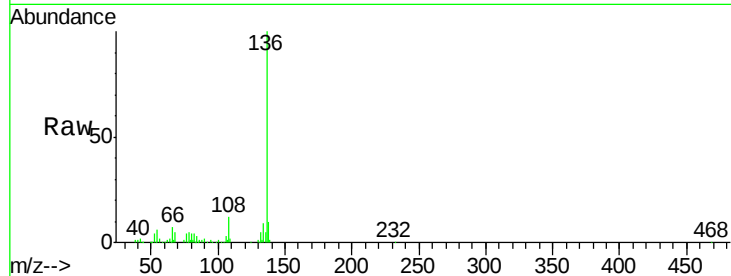
Ion Ratio Lower Upper

136 100

137 10.0 9.2 13.8

54 6.1 10.3 15.5#

68 5.5 4.5 6.7

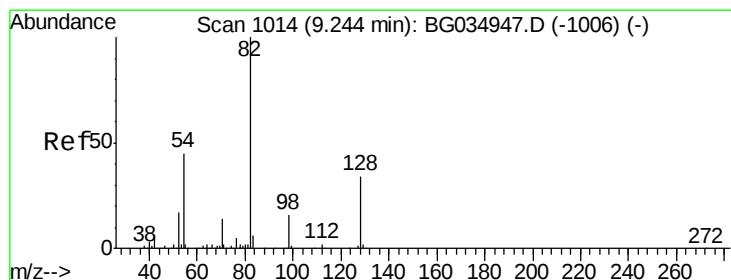
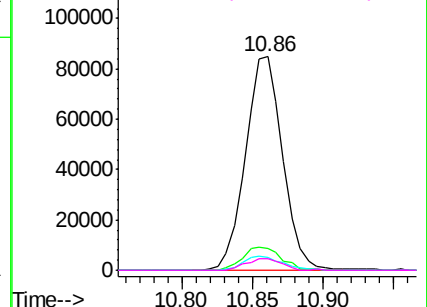
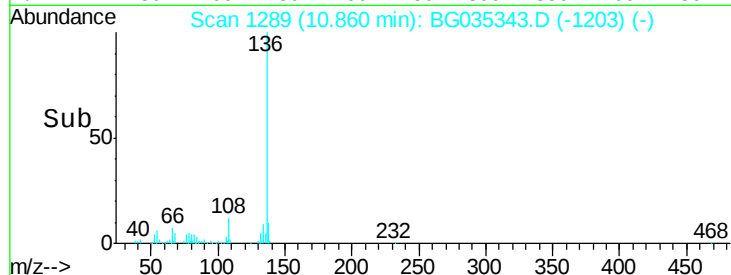


Abundance Ion 136.00 (135.70 to 136.70): E

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: 116.596 ng

RT: 9.22 min Scan# 1009

Delta R.T. -0.02 min

Lab File: BG035343.D

Acq: 22 Jun 2018 21:19

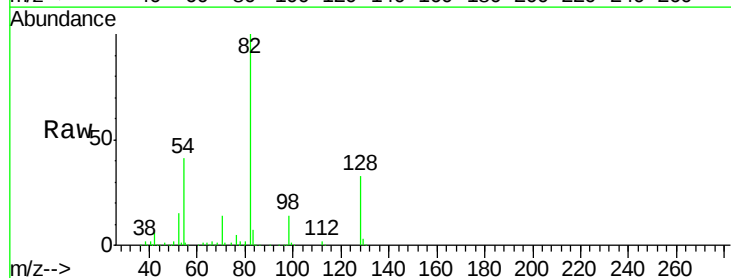
Tgt Ion: 82 Resp: 382035

Ion Ratio Lower Upper

82 100

128 32.9 29.7 44.5

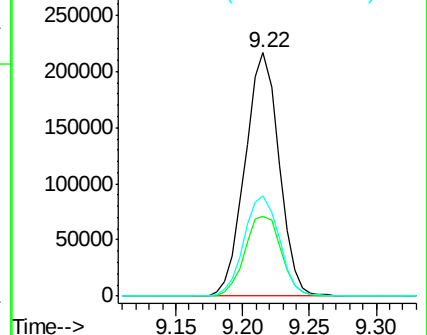
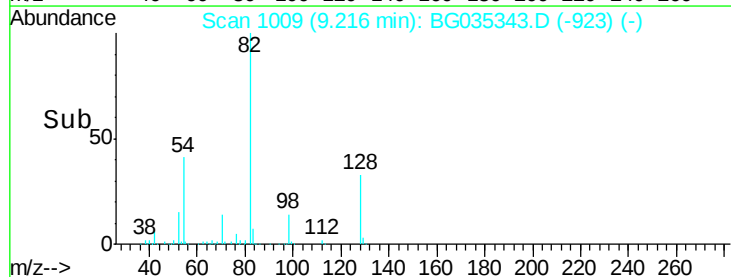
54 41.0 43.1 64.7#

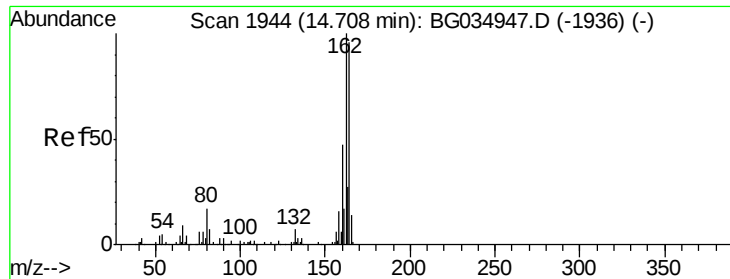


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: BG035343.D

Acq: 22 Jun 2018 21:19

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-4

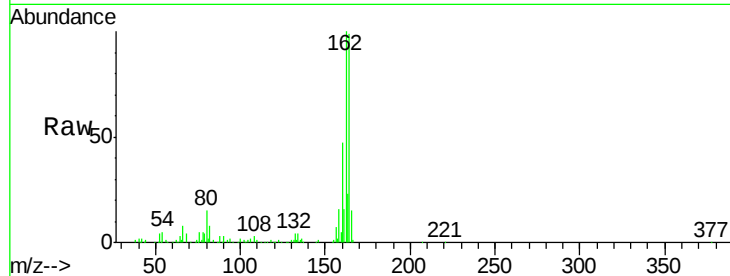
Tgt Ion:164 Resp: 102181

Ion Ratio Lower Upper

164 100

162 101.4 78.8 118.2

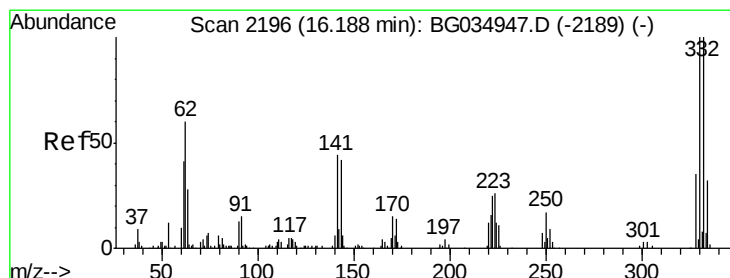
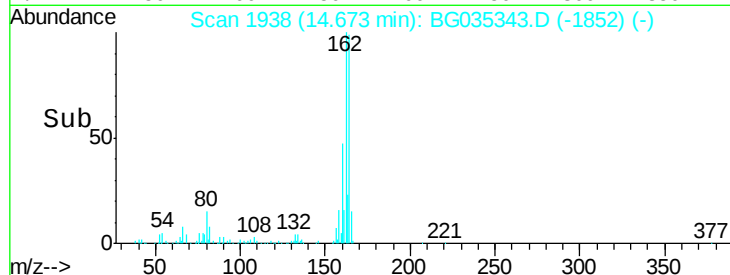
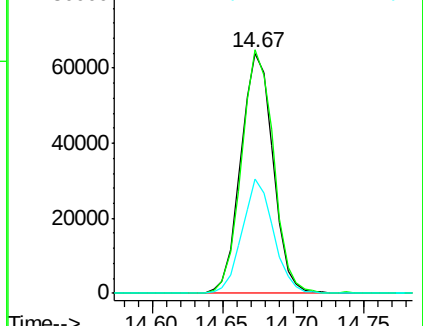
160 47.6 35.4 53.0



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: 200.264 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.02 min

Lab File: BG035343.D

Acq: 22 Jun 2018 21:19

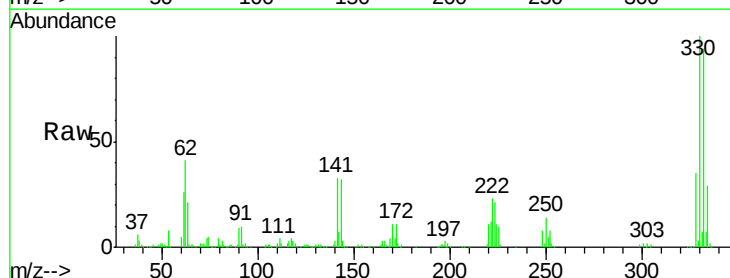
Tgt Ion:330 Resp: 261955

Ion Ratio Lower Upper

330 100

332 93.4 77.0 115.6

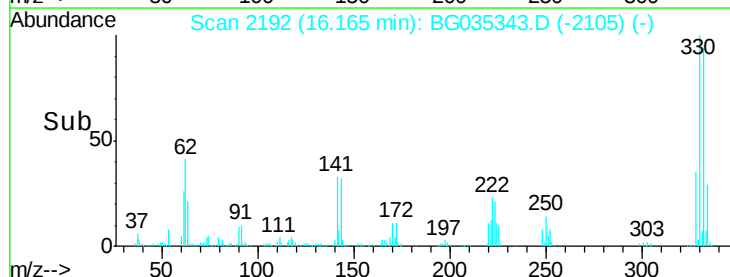
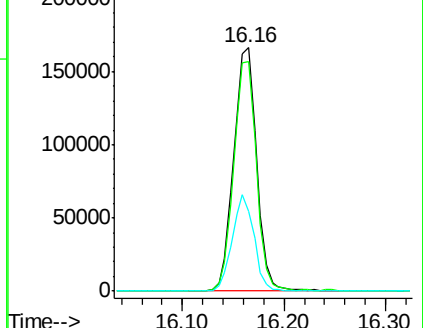
141 37.3 25.2 37.8

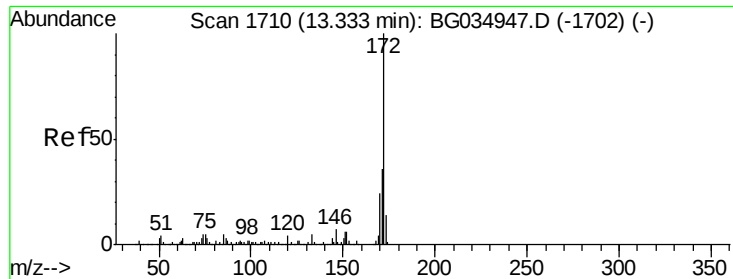


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

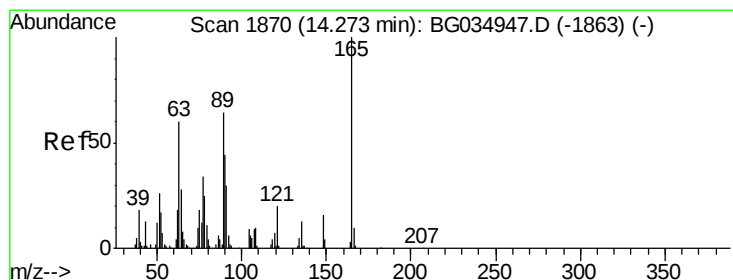
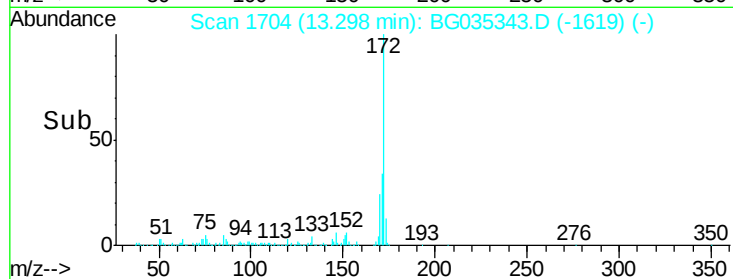
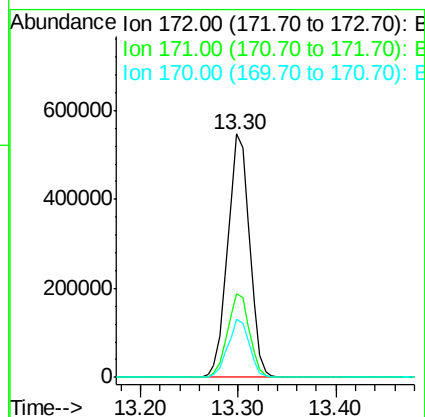
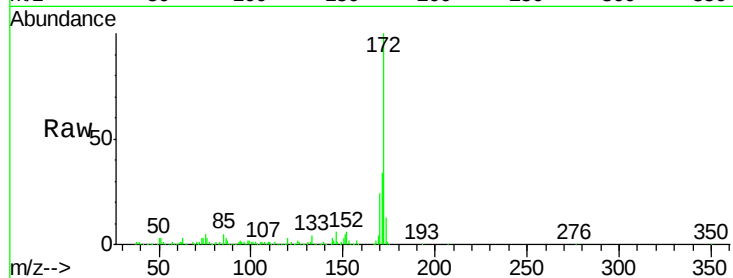




#44
 2-Fluorobiphenyl
 Concen: 108.322 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.03 min
 Lab File: BG035343.D
 Acq: 22 Jun 2018 21:19

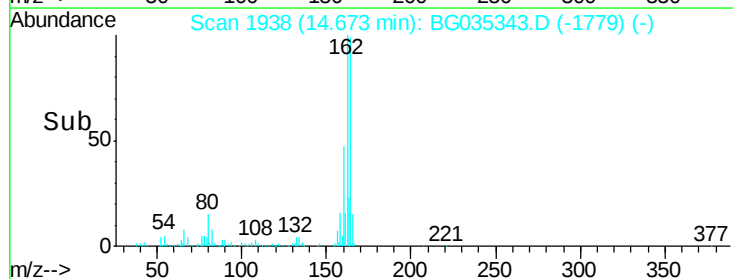
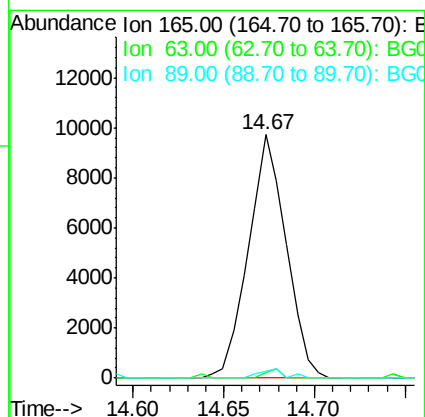
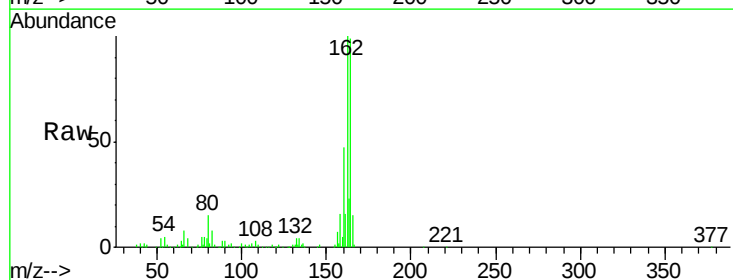
Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-4

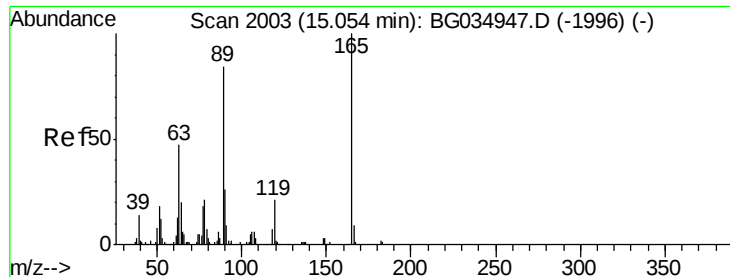
Tgt Ion:172 Resp: 851424
 Ion Ratio Lower Upper
 172 100
 171 34.5 30.0 45.0
 170 23.7 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.630 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. 0.41 min
 Lab File: BG035343.D
 Acq: 22 Jun 2018 21:19

Tgt Ion:165 Resp: 14029
 Ion Ratio Lower Upper
 165 100
 63 2.0 52.7 79.1#
 89 2.7 49.2 73.8#

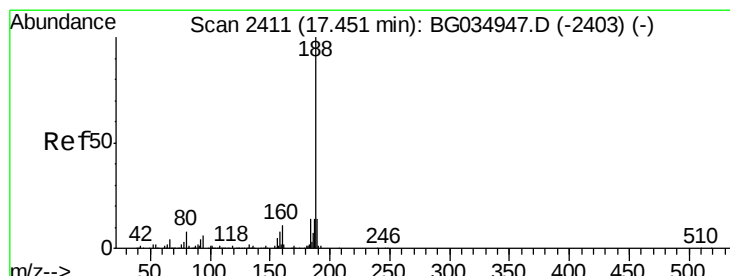
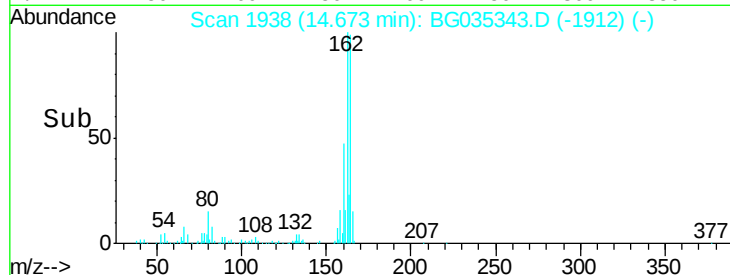
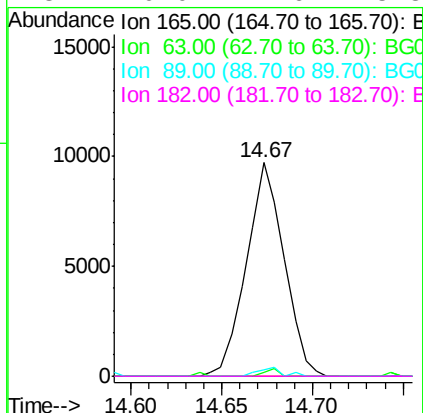
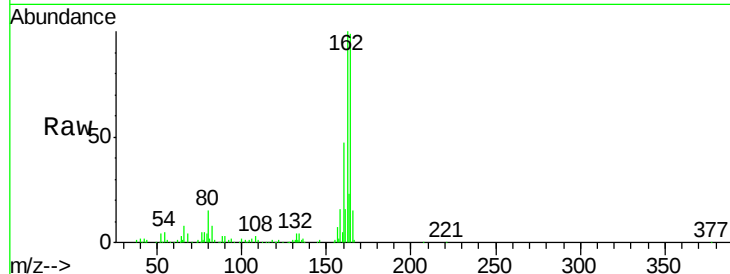




#56
2,4-Dinitrotoluene
Concen: 6.497 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.38 min
Lab File: BG035343.D
Acq: 22 Jun 2018 21:19

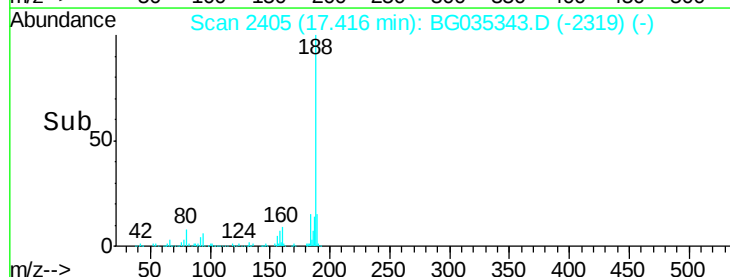
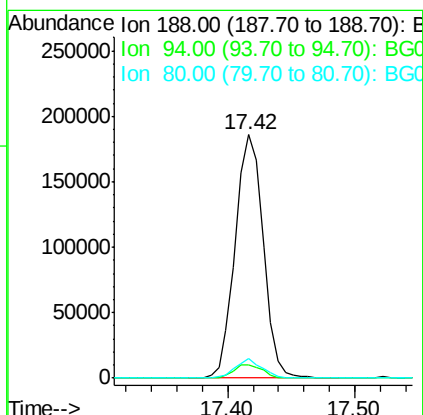
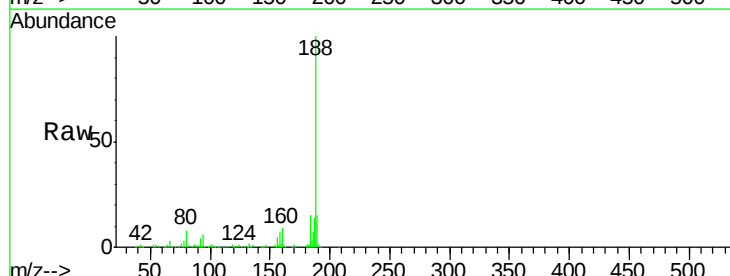
Instrument :
BNA_G
ClientSampleId :
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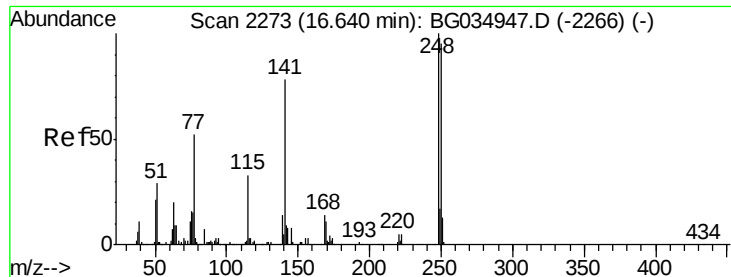
Tgt Ion:165 Resp: 14029
Ion Ratio Lower Upper
165 100
63 2.0 42.0 63.0#
89 2.7 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2405
Delta R.T. -0.02 min
Lab File: BG035343.D
Acq: 22 Jun 2018 21:19

Tgt Ion:188 Resp: 284838
Ion Ratio Lower Upper
188 100
94 5.6 6.9 10.3#
80 8.2 7.7 11.5

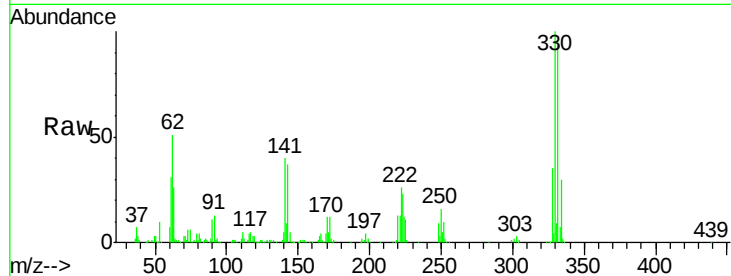




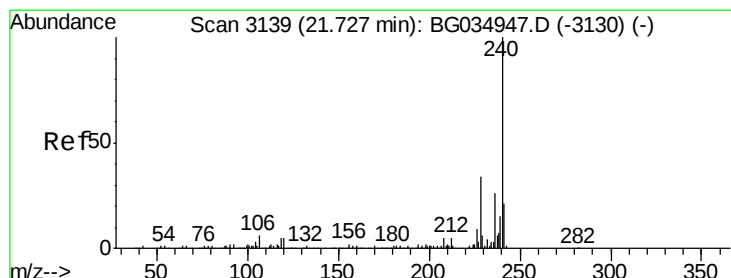
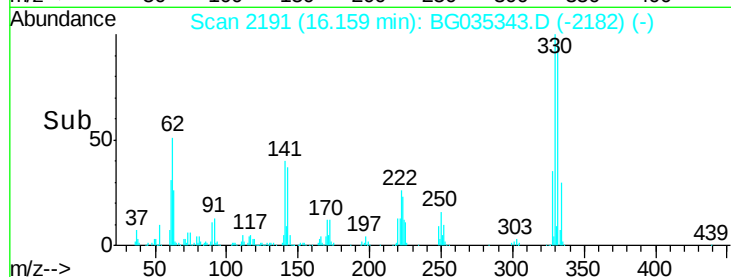
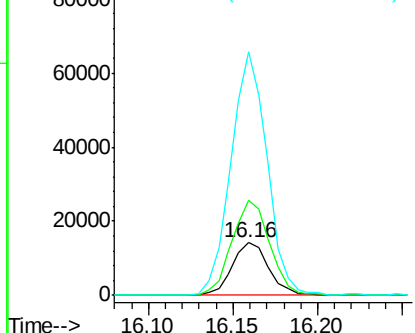
#66
4-Bromophenyl-phenylether
Concen: 6.238 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.48 min
Lab File: BG035343.D
Acq: 22 Jun 2018 21:19

Instrument :
BNA_G
ClientSampleId :
HC-SOIL-4

Tgt Ion:248 Resp: 21396
Ion Ratio Lower Upper
248 100
250 180.6 77.1 115.7#
141 463.5 50.8 76.2#

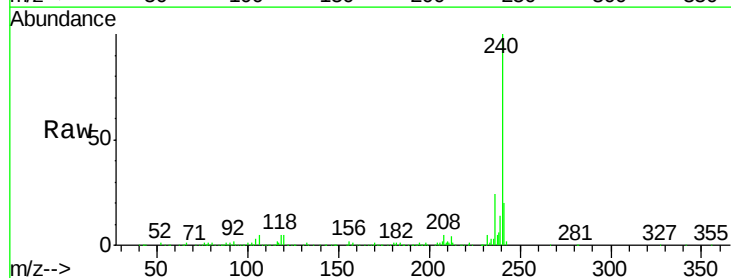


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

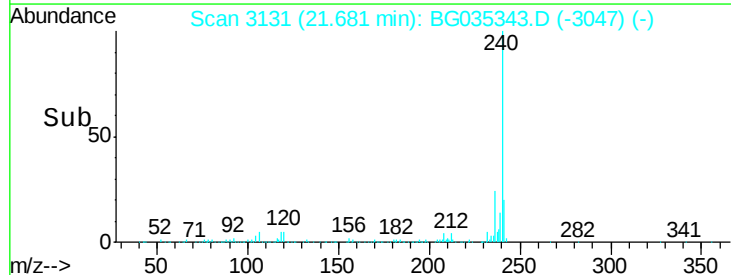
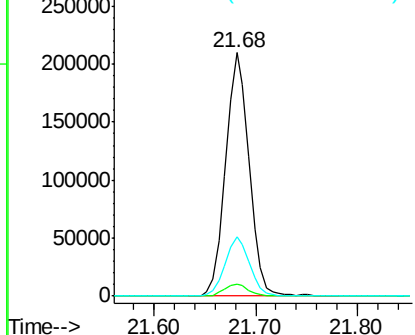


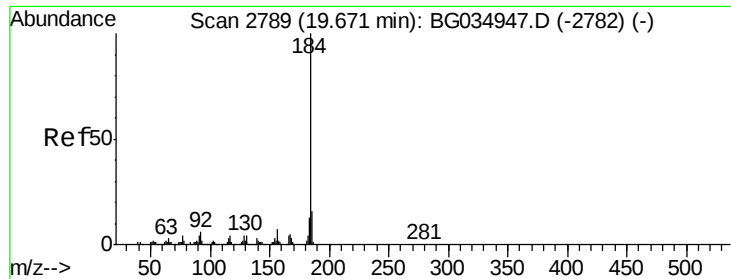
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.04 min
Lab File: BG035343.D
Acq: 22 Jun 2018 21:19

Tgt Ion:240 Resp: 338028
Ion Ratio Lower Upper
240 100
120 4.9 6.8 10.2#
236 24.4 20.9 31.3



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: 2.238 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.36 min

Lab File: BG035343.D

Acq: 22 Jun 2018 21:19

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-4

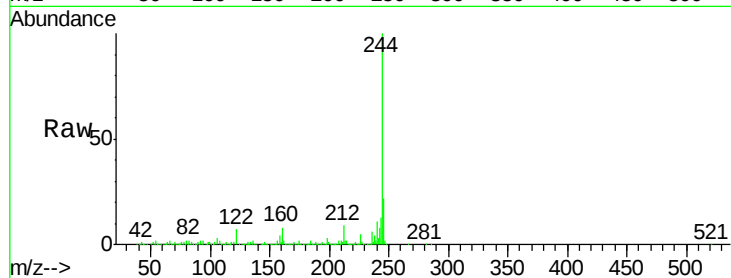
Tgt Ion:184 Resp: 28144

Ion Ratio Lower Upper

184 100

185 15.2 11.1 16.7

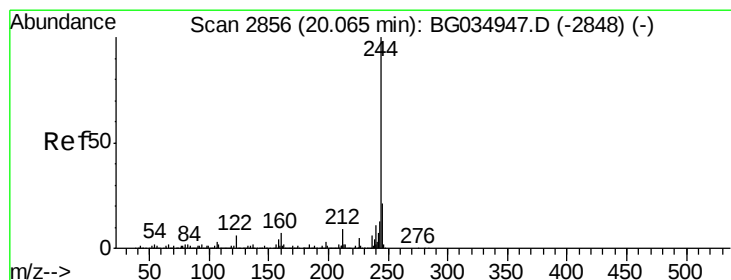
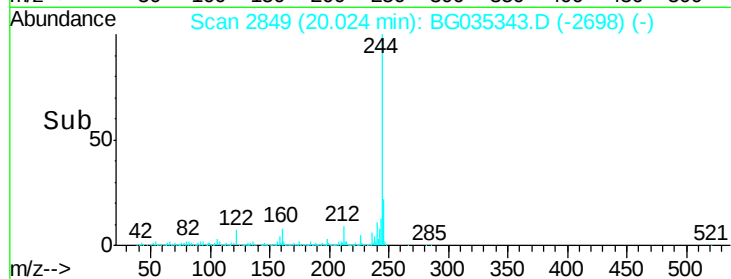
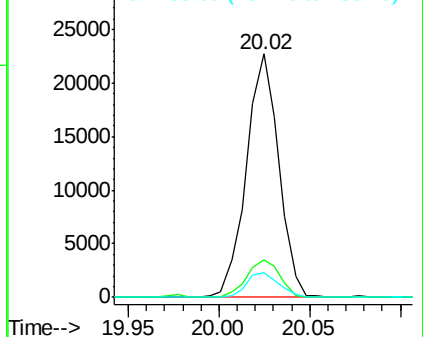
183 10.3 10.6 16.0#



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: 103.238 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035343.D

Acq: 22 Jun 2018 21:19

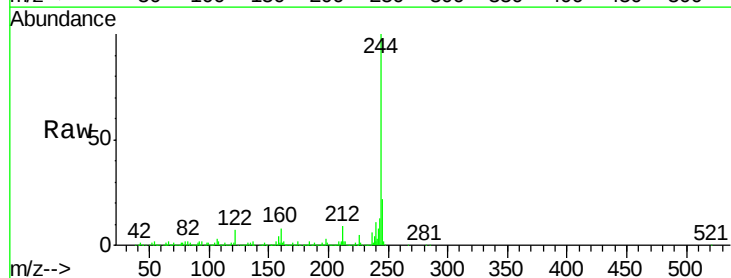
Tgt Ion:244 Resp: 1666004

Ion Ratio Lower Upper

244 100

212 9.3 5.8 8.8#

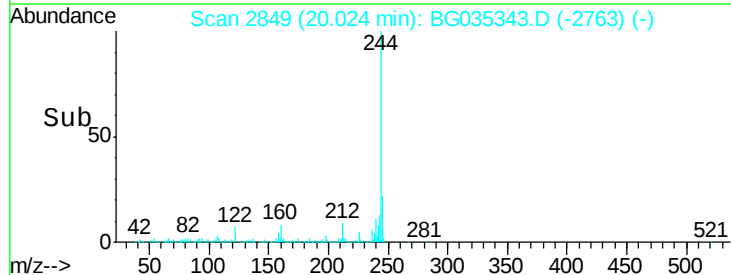
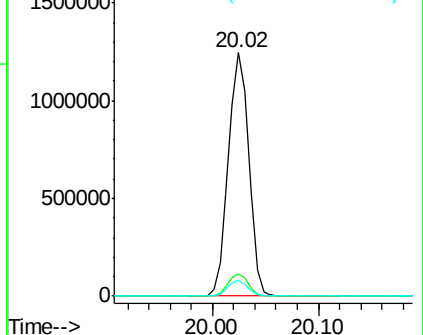
122 6.7 7.0 10.4#

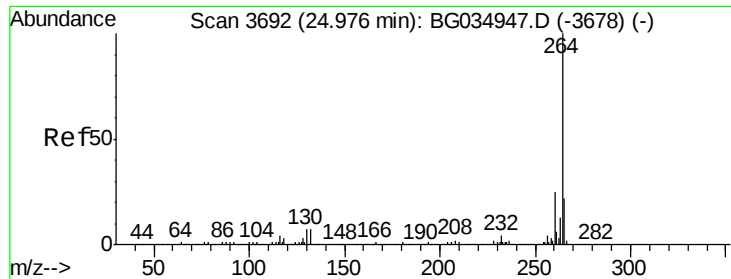


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

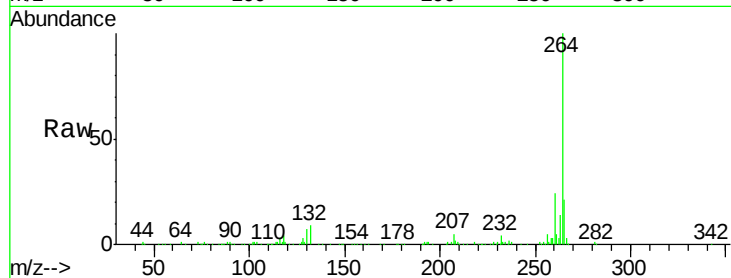




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3679
Delta R.T. -0.05 min
Lab File: BG035343.D
Acq: 22 Jun 2018 21:19

Instrument :
BNA_G
ClientSampleId :
HC-SOIL-4

Tgt Ion: 264 Resp: 315827
Ion Ratio Lower Upper
264 100
260 23.7 17.4 26.0
265 21.2 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

