

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071818\
 Data File : BG035745.D
 Acq On : 19 Jul 2018 9:30
 Operator : JU/SJ
 Sample : J4019-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SOIL

Quant Time: Jul 19 11:54:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 18 17:45:13 2018
 Response via : Initial Calibration

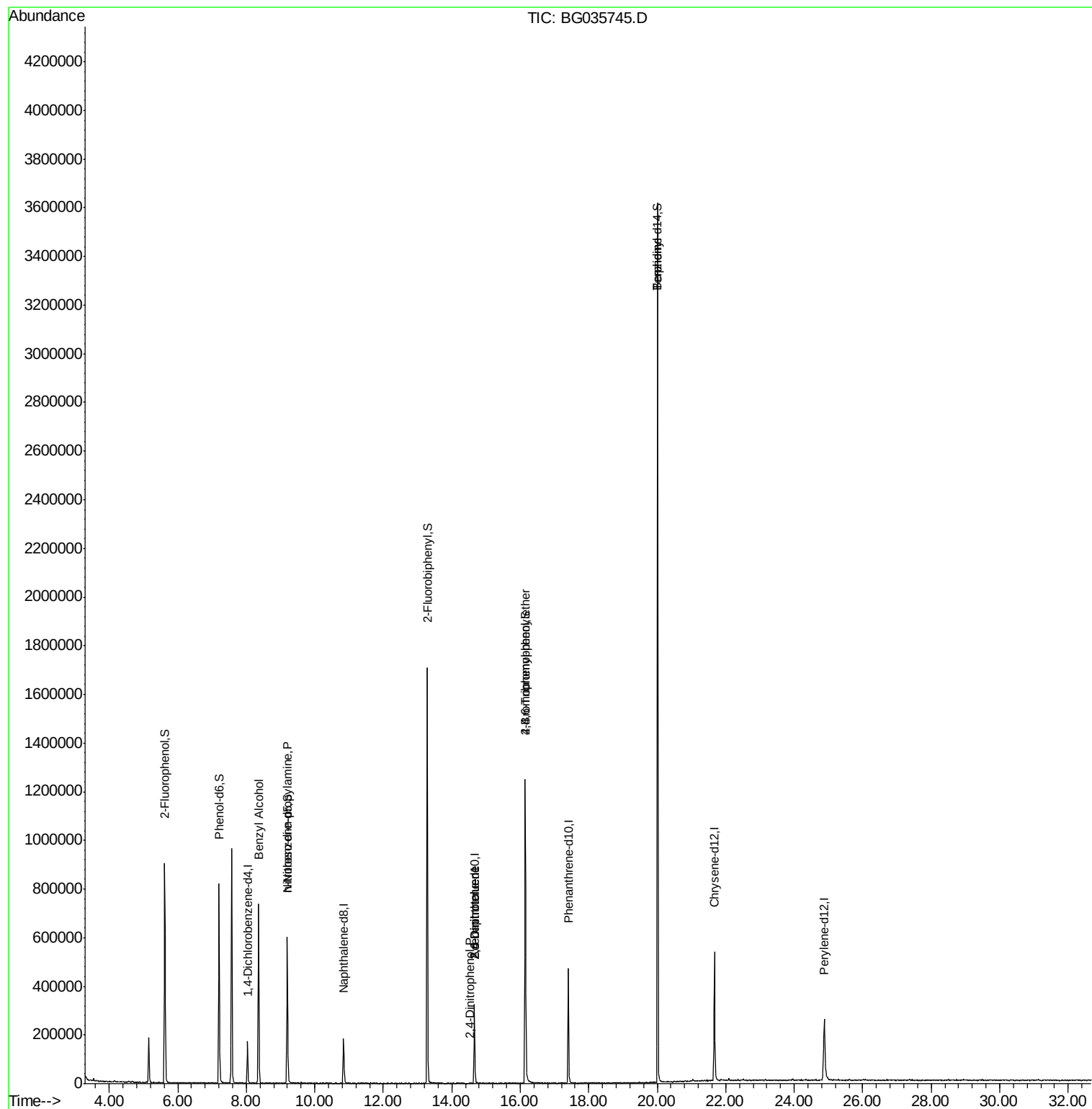
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	48074	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	166354	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	118403	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	327111	20.00	ng	0.00
75) Chrysene-d12	21.67	240	353635	20.00	ng	0.00
86) Perylene-d12	24.88	264	331737	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	400631	138.36	ng	0.00
7) Phenol-d6	7.21	99	494213	114.40	ng	0.00
23) Nitrobenzene-d5	9.20	82	408784	102.65	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	243938	156.31	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	910397	103.01	ng	0.00
78) Terphenyl-d14	20.01	244	1676957	104.53	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.36	79	7858	2.003	ng	# 50
19) n-Nitroso-di-n-propylamine	9.20	70	56751	15.600	ng	# 69
50) 2,6-Dinitrotoluene	14.66	165	16025	7.586	ng	# 23
53) 2,4-Dinitrophenol	14.52	184	73	6.644	ng	# 1
56) 2,4-Dinitrotoluene	14.66	165	16025	5.288	ng	# 21
66) 4-Bromophenyl-phenylether	16.15	248	20161	5.312	ng	# 1
76) Benizidine	20.01	184	31511	3.389	ng	# 88

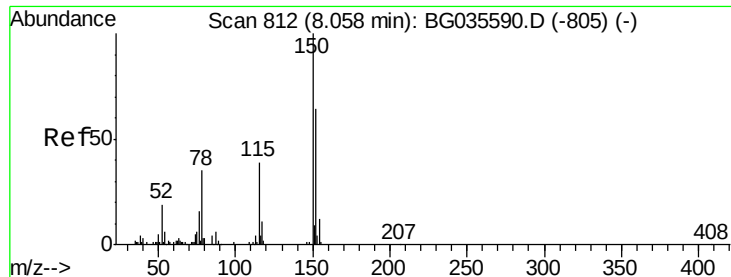
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 18 17:45:13 2018
Response via : Initial Calibration



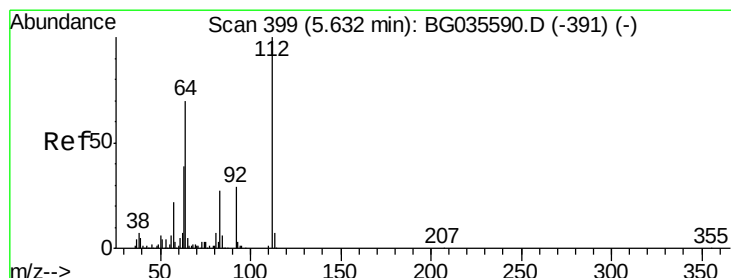
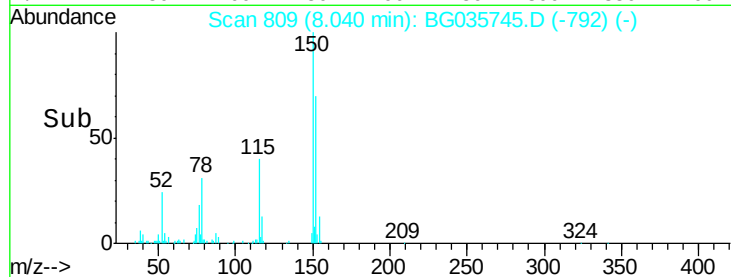
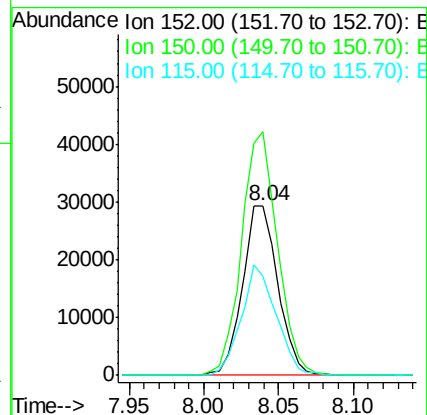
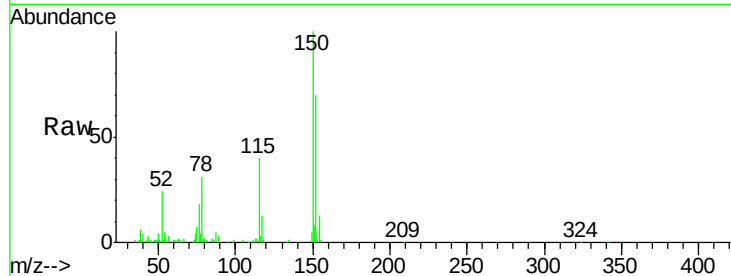


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.00 min
Lab File: BG035745.D
Acq: 19 Jul 2018 9:30

Instrument :
BNA_F
ClientSampleId :
HS-SOIL

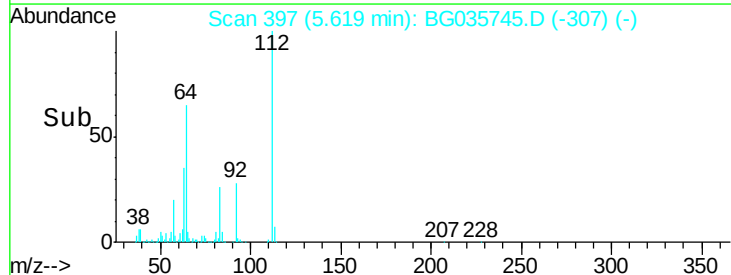
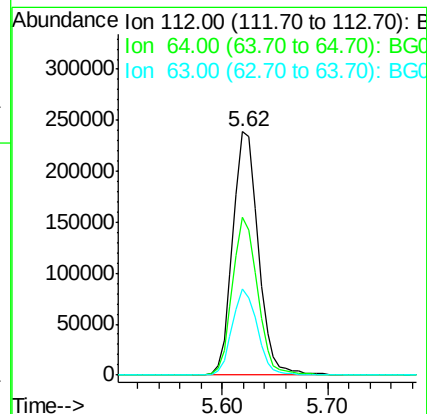
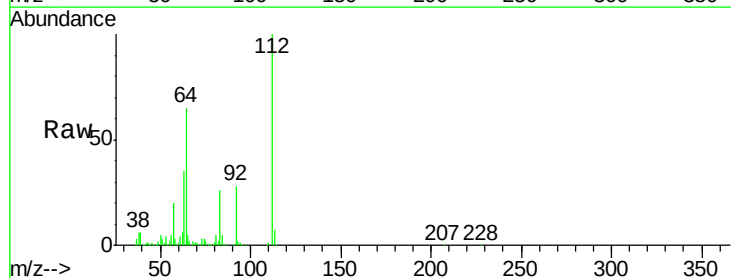
Tgt Ion:152 Resp: 48074
Ion Ratio Lower Upper
152 100
150 143.3 126.6 189.8
115 58.0 53.0 79.4

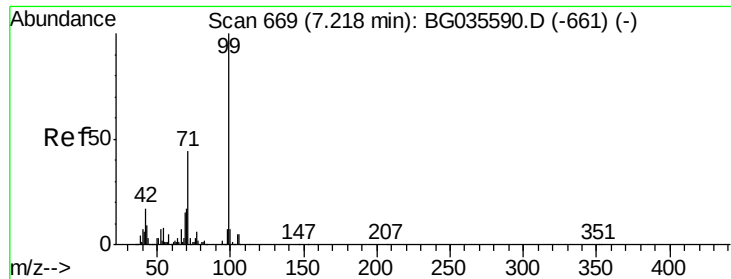


#5

2-Fluorophenol
Concen: 138.358 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.00 min
Lab File: BG035745.D
Acq: 19 Jul 2018 9:30

Tgt Ion:112 Resp: 400631
Ion Ratio Lower Upper
112 100
64 64.9 56.3 84.5
63 35.3 30.1 45.1





#7

Phenol-d6

Concen: 114.395 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.00 min

Lab File: BG035745.D

Acq: 19 Jul 2018 9:30

Instrument :

BNA_F

ClientSampleId :

HS-SOIL

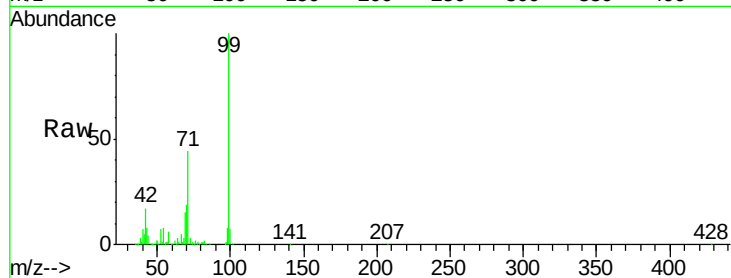
Tgt Ion: 99 Resp: 494213

Ion Ratio Lower Upper

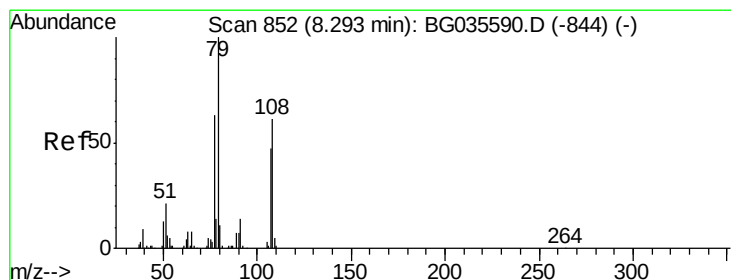
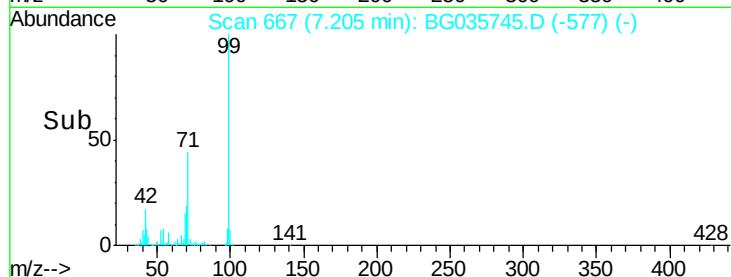
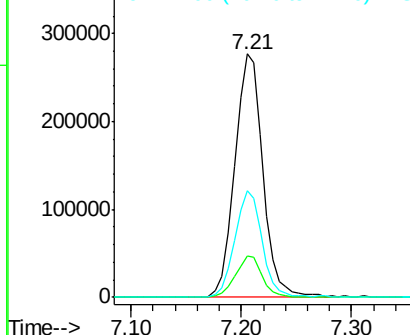
99 100

42 17.2 14.1 21.1

71 43.8 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



#15

Benzyl Alcohol

Concen: 2.003 ng

RT: 8.36 min Scan# 863

Delta R.T. 0.08 min

Lab File: BG035745.D

Acq: 19 Jul 2018 9:30

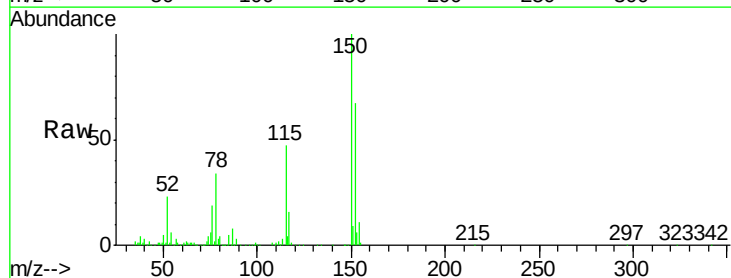
Tgt Ion: 79 Resp: 7858

Ion Ratio Lower Upper

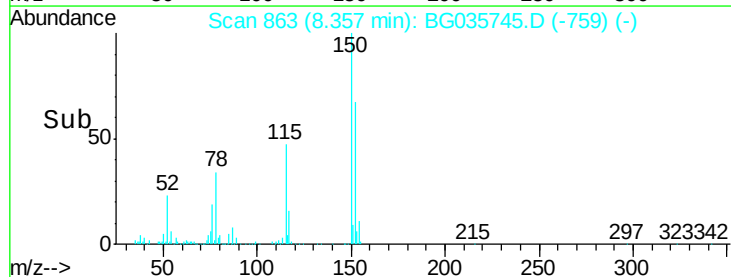
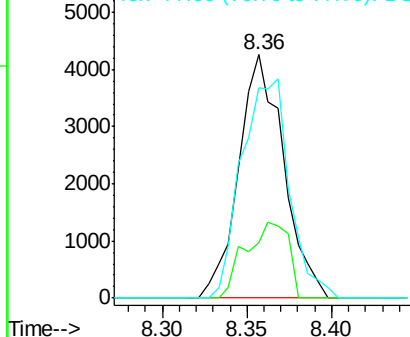
79 100

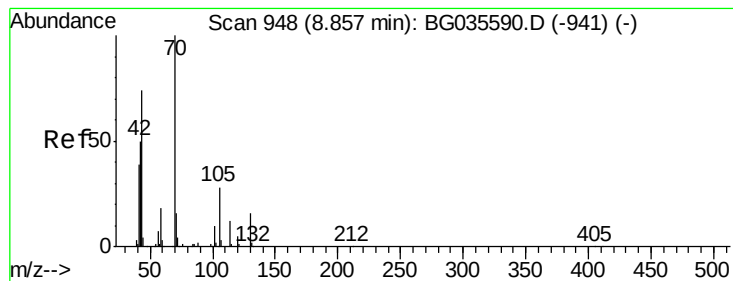
108 22.7 57.2 85.8#

77 86.6 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 15.600 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.36 min

Lab File: BG035745.D

Acq: 19 Jul 2018 9:30

Instrument :

BNA_F

ClientSampleId :

HS-SOIL

Tgt Ion: 70 Resp: 56751

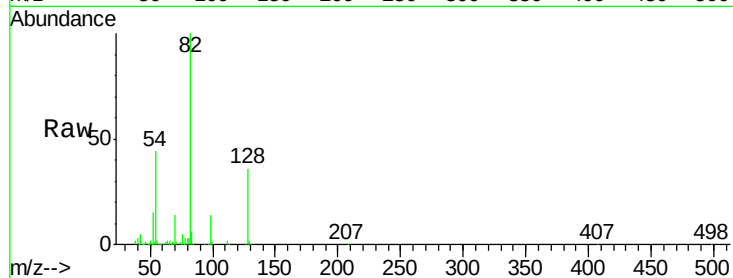
Ion Ratio Lower Upper

70 100

42 38.3 49.1 73.7#

101 0.0 8.5 12.7#

130 2.3 13.4 20.0#

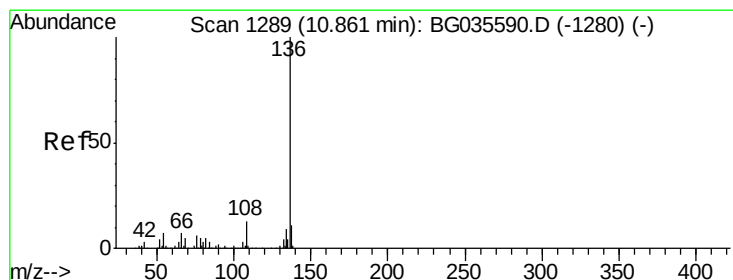
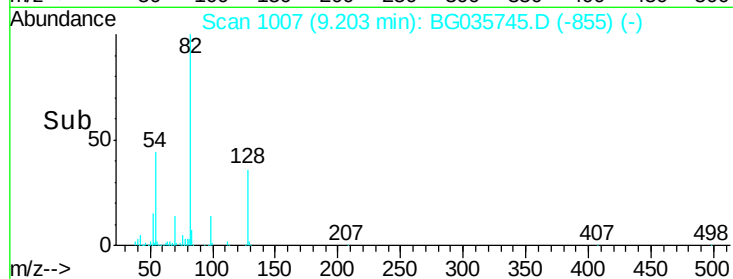
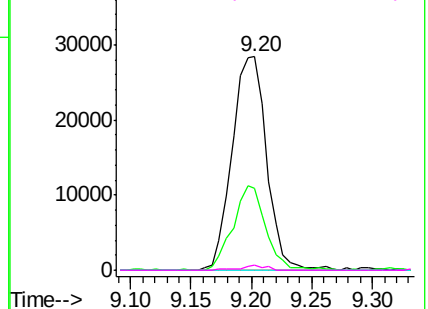


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.84 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BG035745.D

Acq: 19 Jul 2018 9:30

Tgt Ion: 136 Resp: 166354

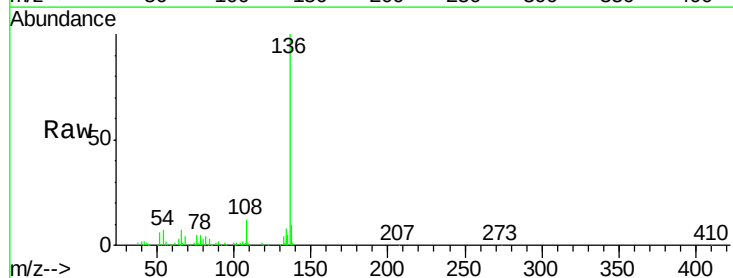
Ion Ratio Lower Upper

136 100

137 10.1 9.2 13.8

54 6.6 10.3 15.5#

68 4.4 4.5 6.7#

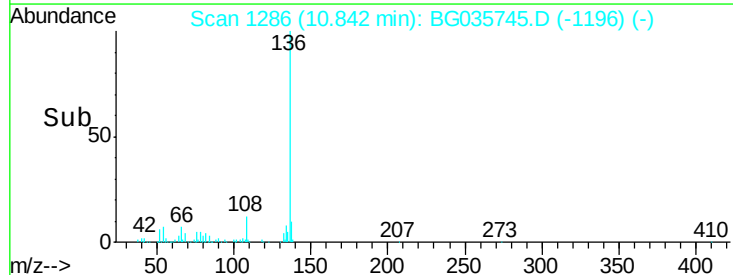
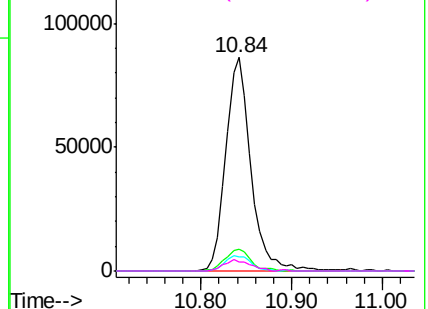


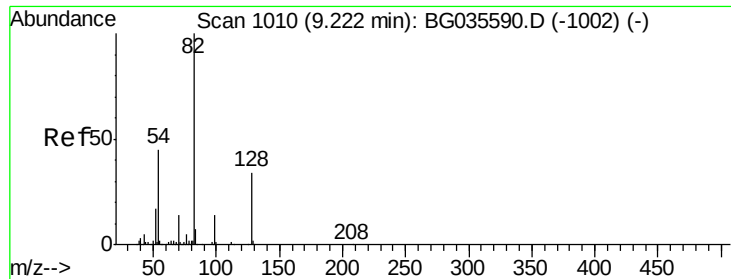
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

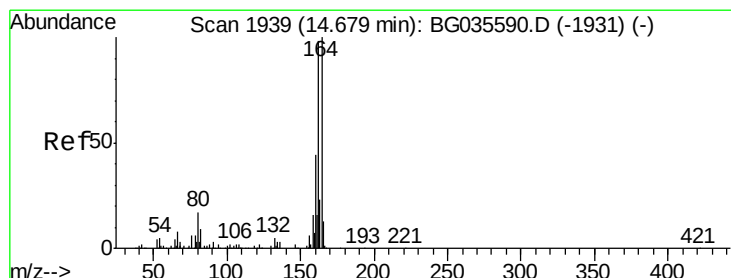
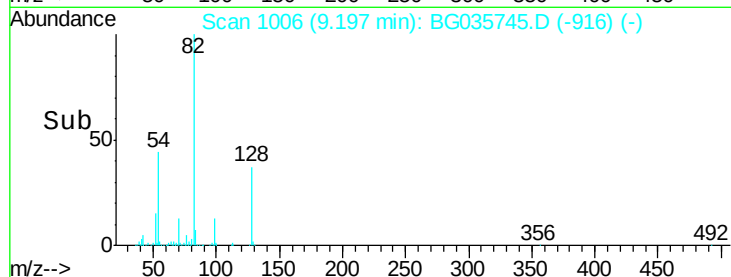
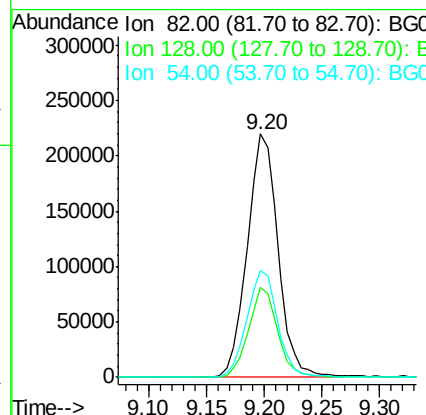
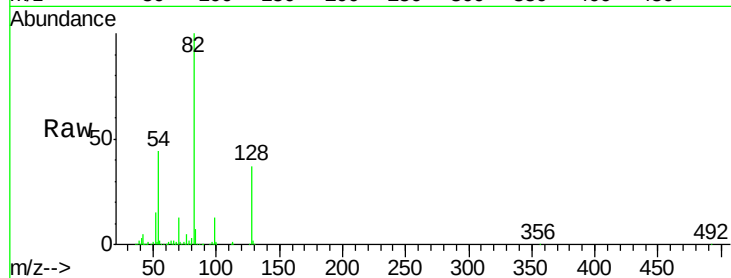




#23
 Nitrobenzene-d5
 Concen: 102.654 ng
 RT: 9.20 min Scan# 1006
 Delta R.T. -0.00 min
 Lab File: BG035745.D
 Acq: 19 Jul 2018 9:30

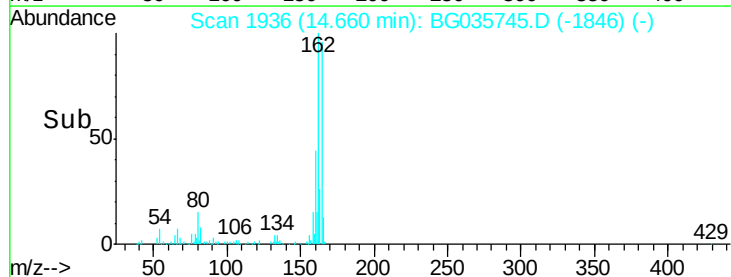
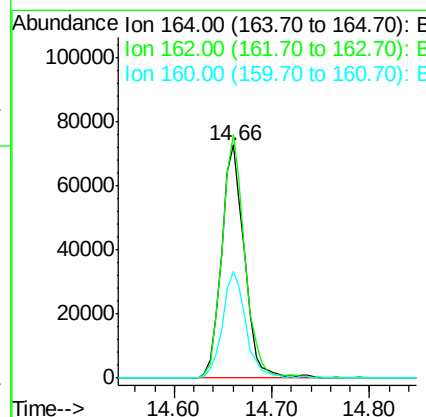
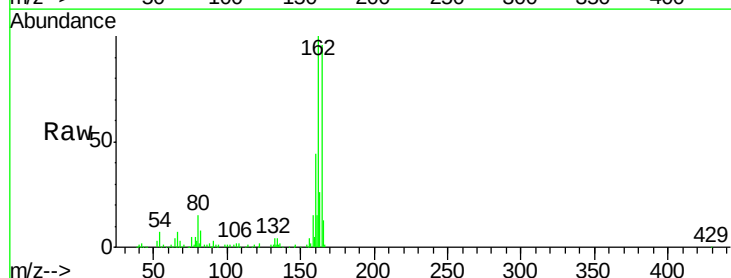
Instrument :
 BNA_F
 ClientSampleId :
 HS-SOIL

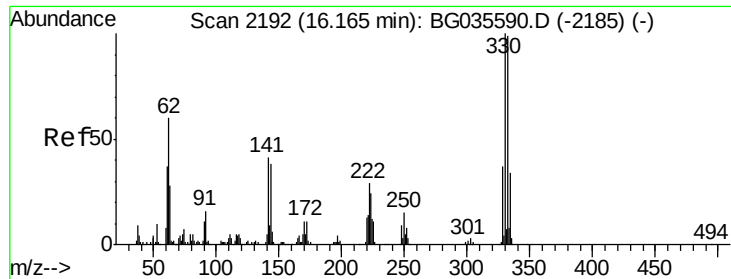
Tgt Ion: 82 Resp: 408784
 Ion Ratio Lower Upper
 82 100
 128 36.7 29.7 44.5
 54 43.9 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: BG035745.D
 Acq: 19 Jul 2018 9:30

Tgt Ion: 164 Resp: 118403
 Ion Ratio Lower Upper
 164 100
 162 104.6 78.8 118.2
 160 45.9 35.4 53.0

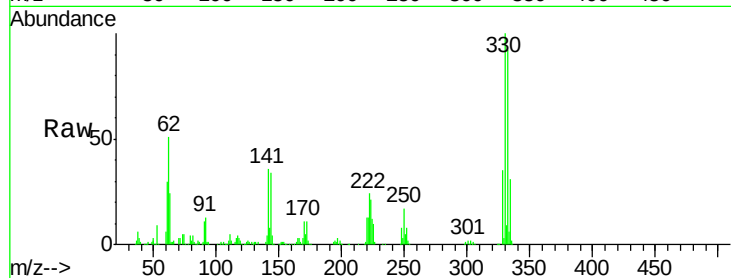




#41
 2,4,6-Tribromophenol
 Concen: 156.308 ng
 RT: 16.15 min Scan# 2190
 Delta R.T. -0.00 min
 Lab File: BG035745.D
 Acq: 19 Jul 2018 9:30

Instrument :
 BNA_F
 ClientSampleId :
 HS-SOIL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.0	77.0	115.6
141	38.6	25.2	37.8#

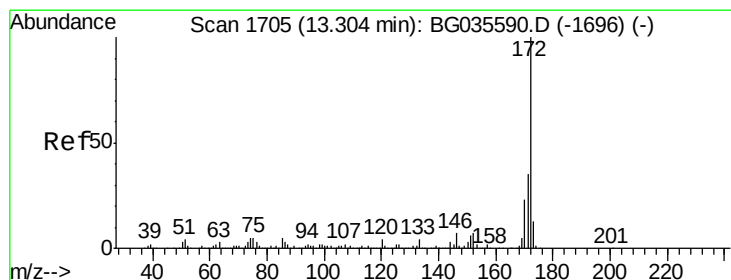
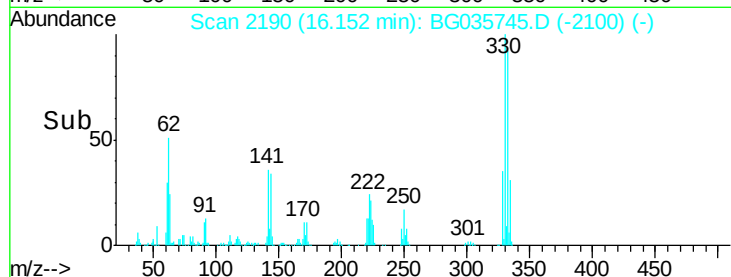
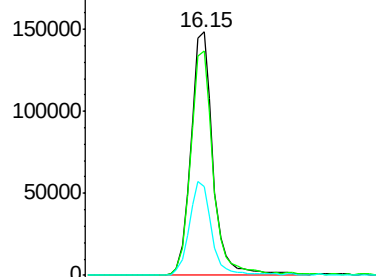


Abundance

Ion 329.80 (329.50 to 330.50): E

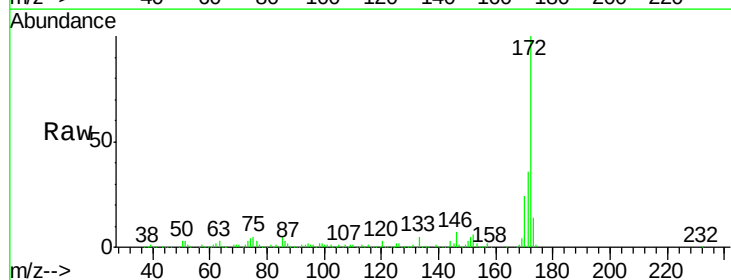
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 103.012 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: BG035745.D
 Acq: 19 Jul 2018 9:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.0	45.0
170	23.6	19.5	29.3

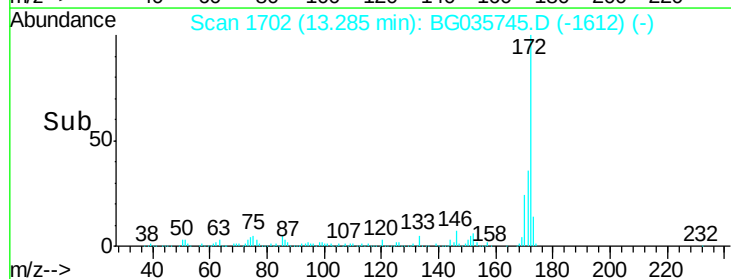
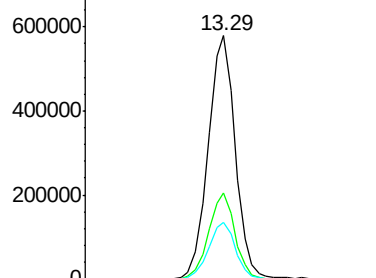


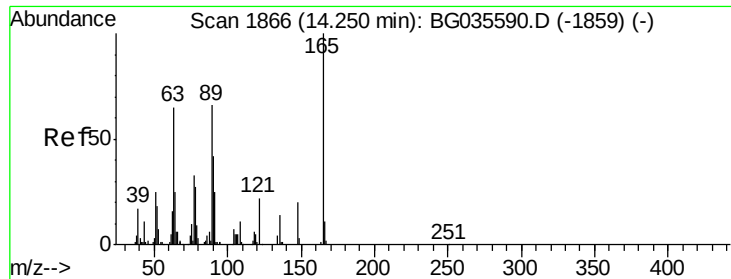
Abundance

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

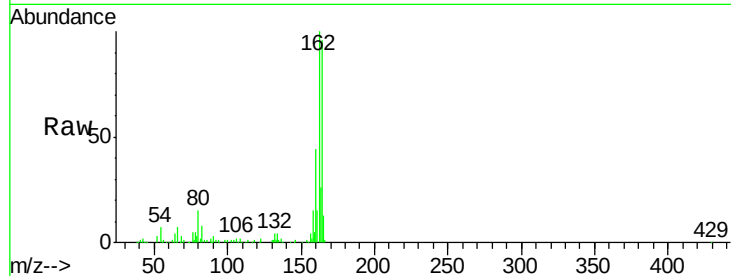




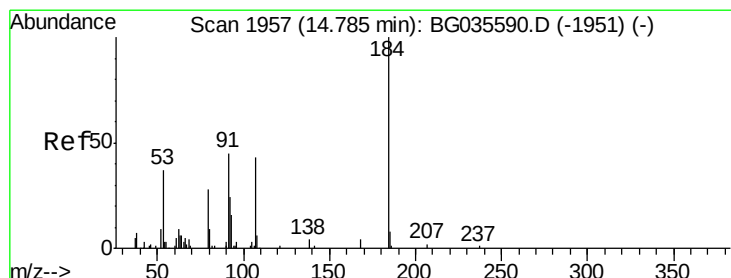
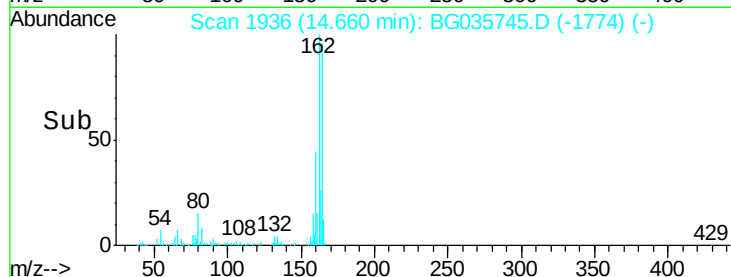
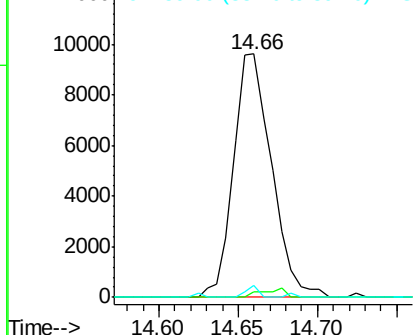
#50
 2,6-Dinitrotoluene
 Concen: 7.586 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG035745.D
 Acq: 19 Jul 2018 9:30

Instrument :
 BNA_F
 ClientSampleId :
 HS-SOIL

Tgt Ion:165 Resp: 16025
 Ion Ratio Lower Upper
 165 100
 63 2.0 52.7 79.1#
 89 5.0 49.2 73.8#

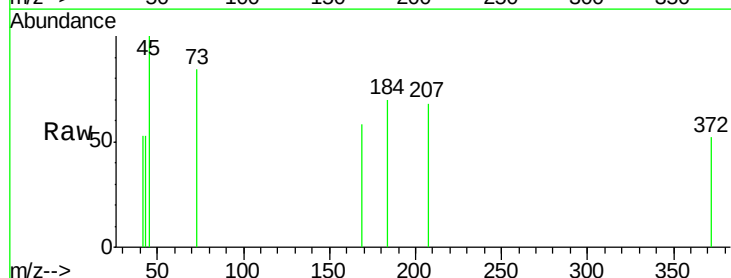


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

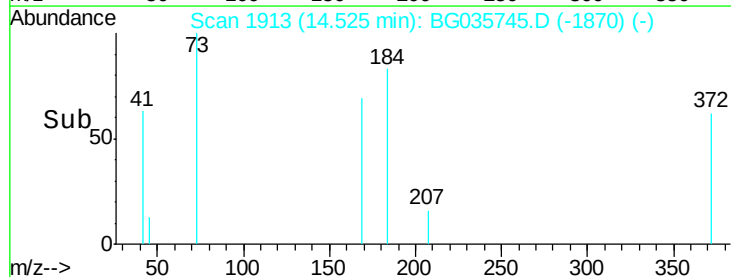
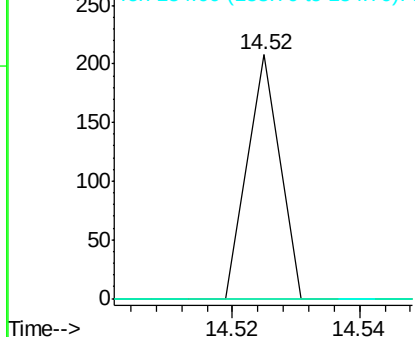


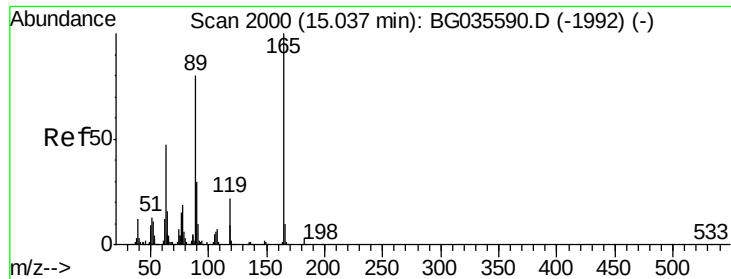
#53
 2,4-Dinitrophenol
 Concen: 6.644 ng
 RT: 14.52 min Scan# 1913
 Delta R.T. -0.28 min
 Lab File: BG035745.D
 Acq: 19 Jul 2018 9:30

Tgt Ion:184 Resp: 73
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E

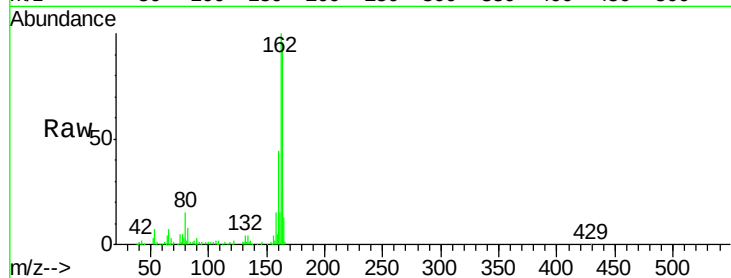




#56
 2,4-Dinitrotoluene
 Concen: 5.288 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.36 min
 Lab File: BG035745.D
 Acq: 19 Jul 2018 9:30

Instrument :
 BNA_F
 ClientSampleId :
 HS-SOIL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	42.0	63.0#
89	5.0	66.9	100.3#
182	0.0	2.6	3.8#

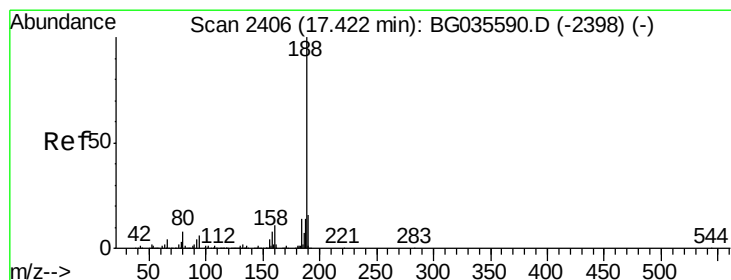
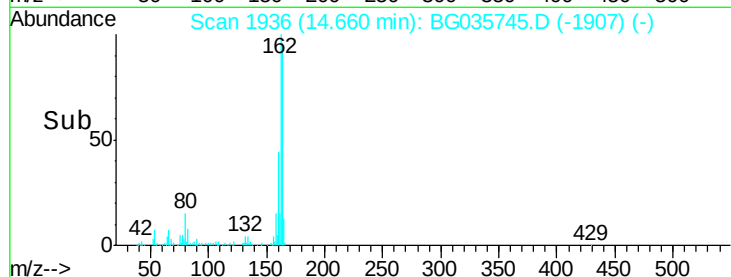
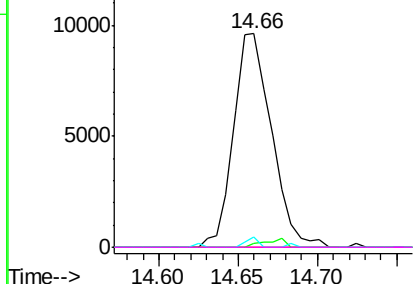


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

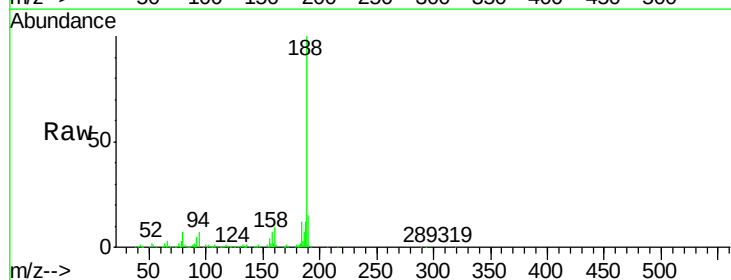
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2403
 Delta R.T. -0.00 min
 Lab File: BG035745.D
 Acq: 19 Jul 2018 9:30

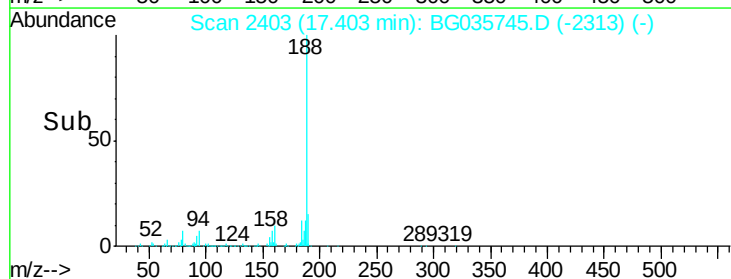
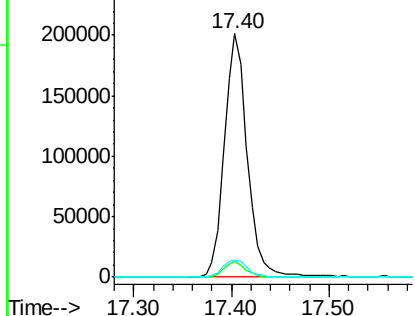
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.7	6.9	10.3#
80	7.0	7.7	11.5#

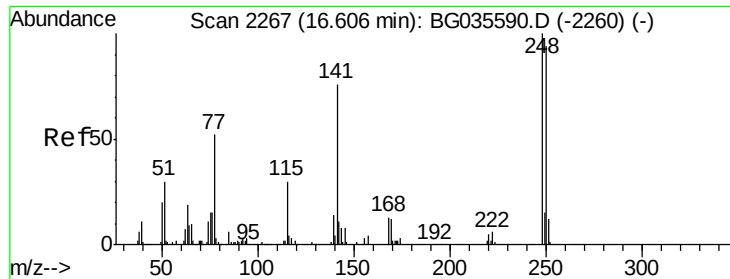


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

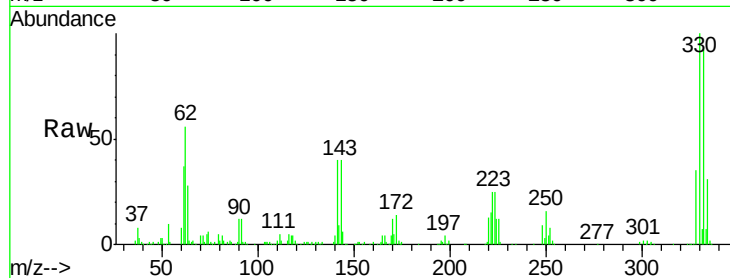




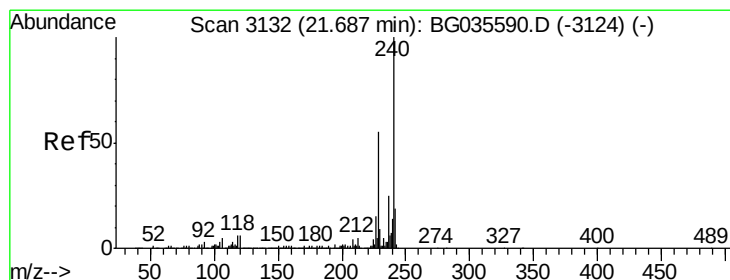
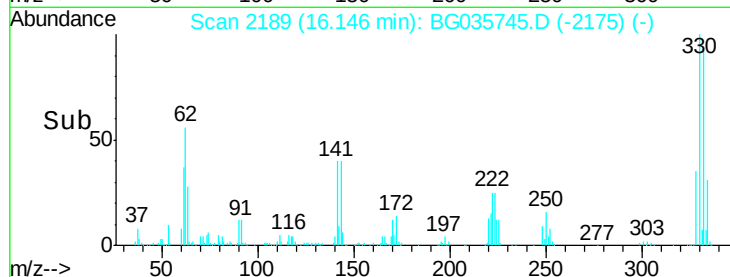
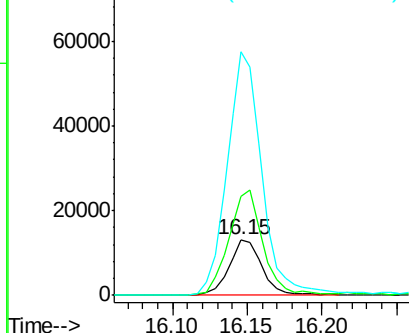
#66
 4-Bromophenyl-phenylether
 Concen: 5.312 ng
 RT: 16.15 min Scan# 2189
 Delta R.T. -0.45 min
 Lab File: BG035745.D
 Acq: 19 Jul 2018 9:30

Instrument :
 BNA_F
 ClientSampleId :
 HS-SOIL

Tgt Ion:248 Resp: 20161
 Ion Ratio Lower Upper
 248 100
 250 176.2 77.1 115.7#
 141 435.9 50.8 76.2#

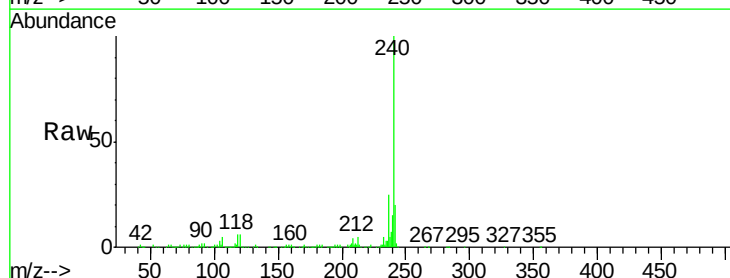


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

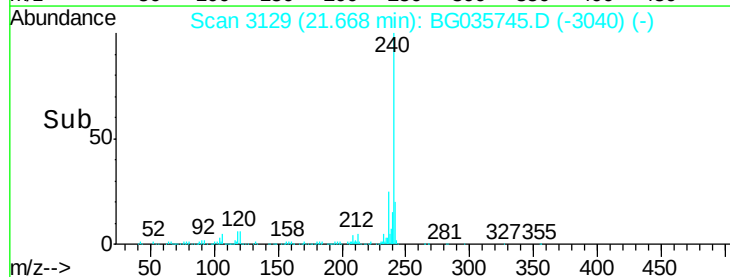
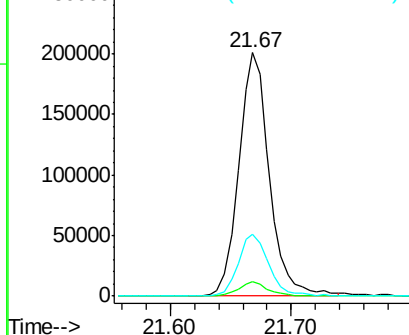


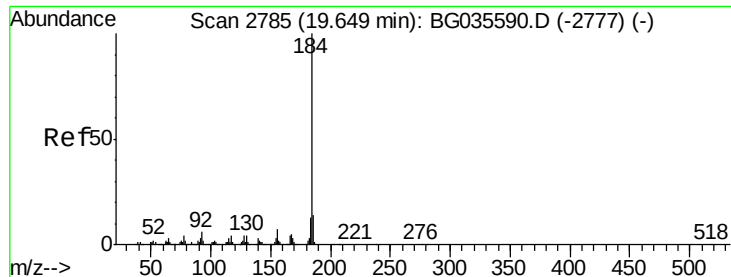
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3129
 Delta R.T. -0.01 min
 Lab File: BG035745.D
 Acq: 19 Jul 2018 9:30

Tgt Ion:240 Resp: 353635
 Ion Ratio Lower Upper
 240 100
 120 5.9 6.8 10.2#
 236 25.4 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: 3.389 ng

RT: 20.01 min Scan# 2847

Delta R.T. 0.38 min

Lab File: BG035745.D

Acq: 19 Jul 2018 9:30

Instrument :

BNA_F

ClientSampleId :

HS-SOIL

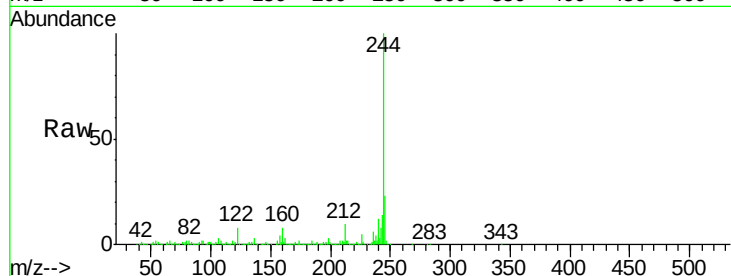
Tgt Ion:184 Resp: 31511

Ion Ratio Lower Upper

184 100

185 17.5 11.1 16.7#

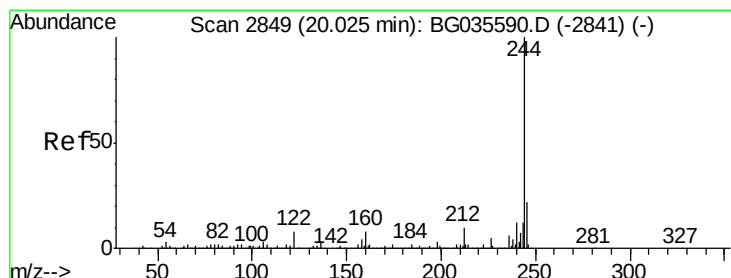
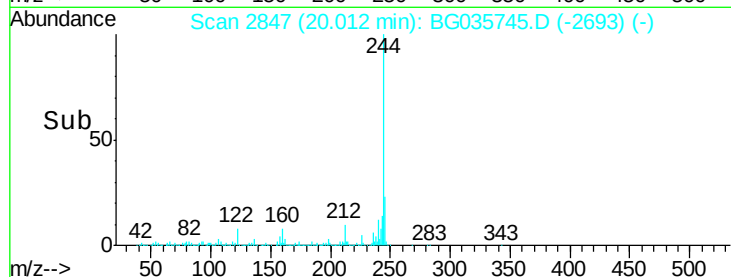
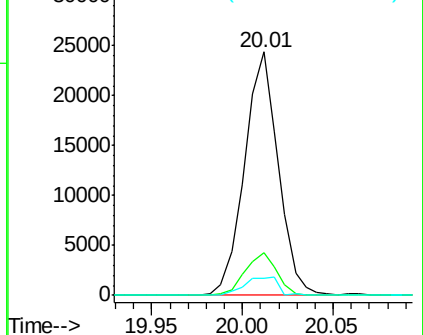
183 7.0 10.6 16.0#



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: 104.529 ng

RT: 20.01 min Scan# 2847

Delta R.T. -0.00 min

Lab File: BG035745.D

Acq: 19 Jul 2018 9:30

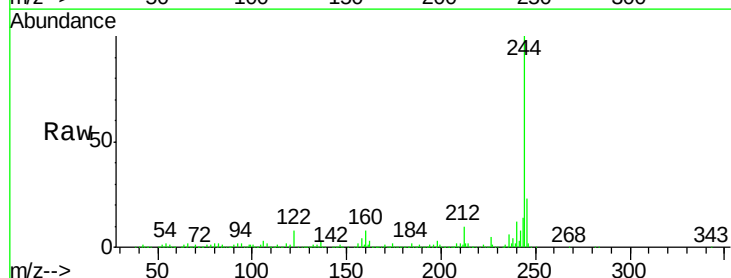
Tgt Ion:244 Resp: 1676957

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

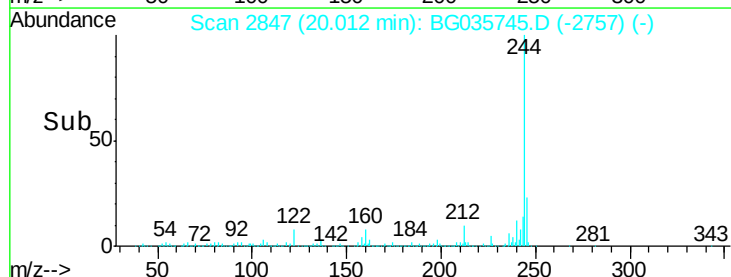
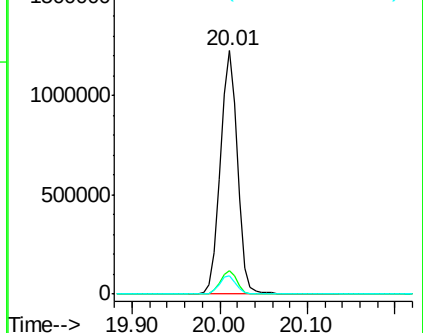
122 7.6 7.0 10.4

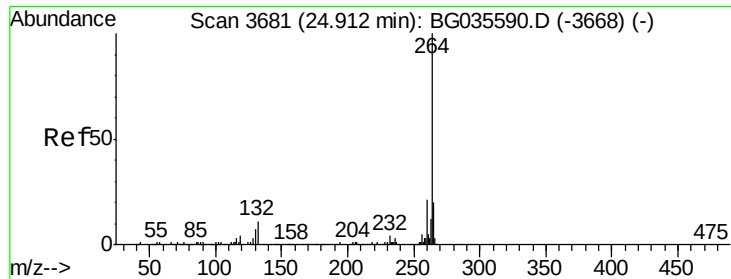


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

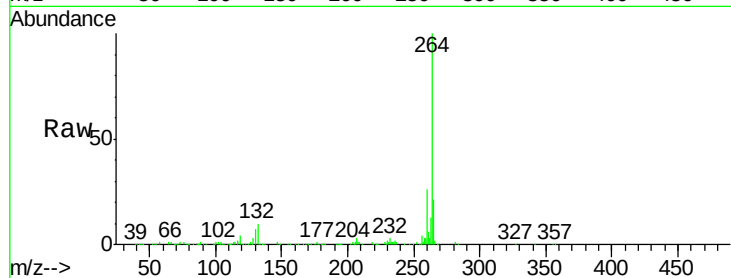




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.88 min Scan# 3675
Delta R.T. -0.01 min
Lab File: BG035745.D
Acq: 19 Jul 2018 9:30

Instrument :
BNA_F
ClientSampleId :
HS-SOIL

Tgt Ion: 264 Resp: 331737
Ion Ratio Lower Upper
264 100
260 26.2 17.4 26.0#
265 21.1 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

