

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071918\
 Data File : BG035770.D
 Acq On : 20 Jul 2018 4:34
 Operator : JU/SJ
 Sample : J4051-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NS-SOIL

Quant Time: Jul 20 05:53:27 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

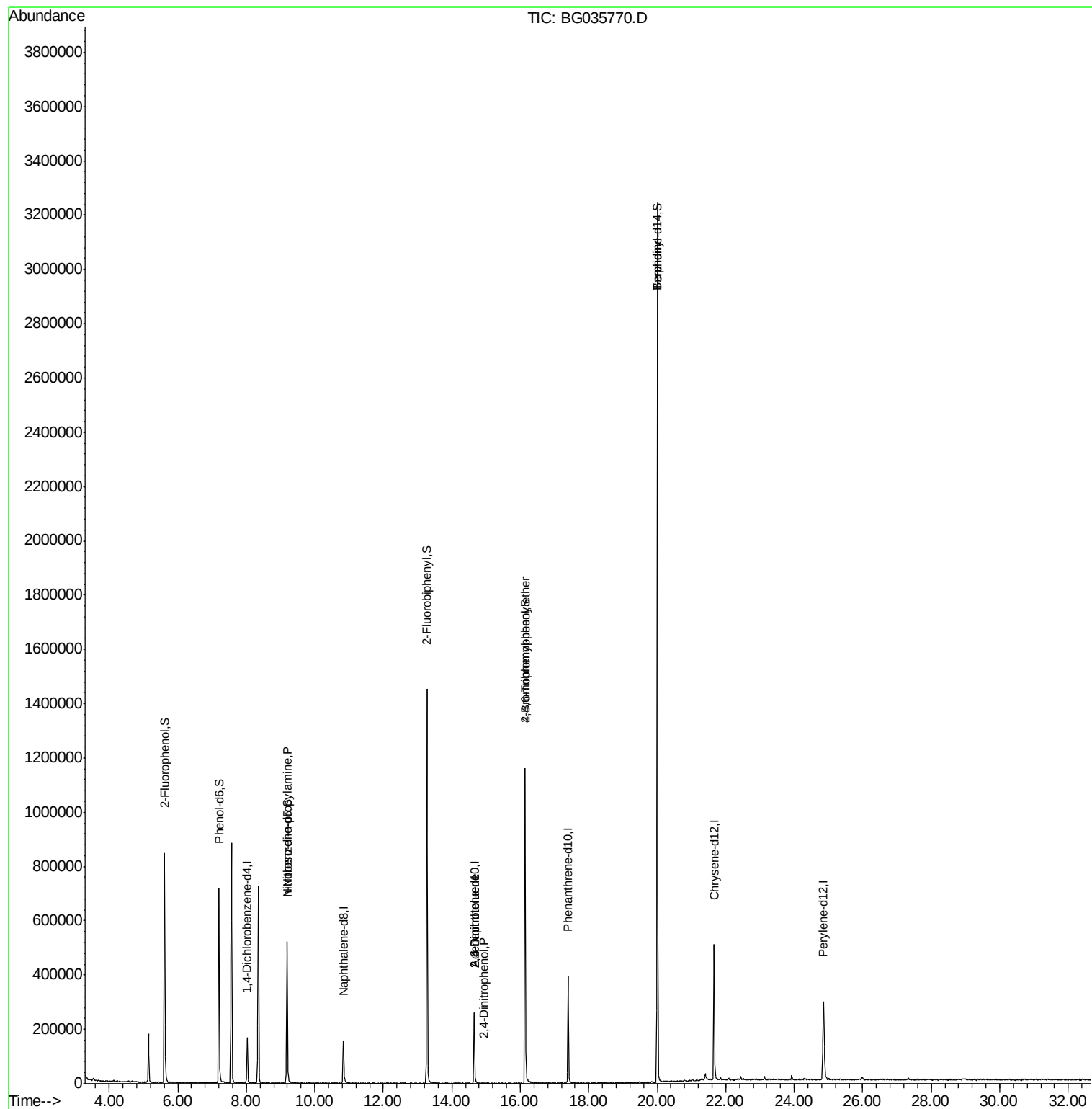
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	46864	20.00	ng	-0.01
21) Naphthalene-d8	10.84	136	157375	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	100507	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	291488	20.00	ng	0.00
75) Chrysene-d12	21.66	240	347942	20.00	ng	-0.02
86) Perylene-d12	24.85	264	329184	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	370769	131.35	ng	0.00
7) Phenol-d6	7.20	99	453850	107.76	ng	0.00
23) Nitrobenzene-d5	9.19	82	361322	95.91	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	214297	161.76	ng	-0.01
44) 2-Fluorobiphenyl	13.27	172	804065	107.18	ng	-0.01
78) Terphenyl-d14	20.00	244	1602584	101.53	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	48919	13.794	ng	# 69
50) 2,6-Dinitrotoluene	14.65	165	14468	8.068	ng	# 20
53) 2,4-Dinitrophenol	14.95	184	122	6.704	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	14468	5.624	ng	# 18
66) 4-Bromophenyl-phenylether	16.14	248	18449	5.455	ng	# 1
76) Benzidine	20.00	184	27934	3.054	ng	# 90

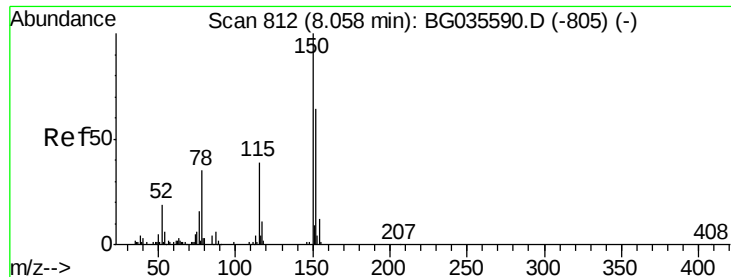
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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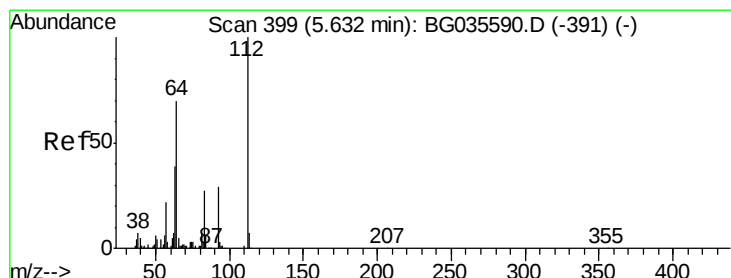
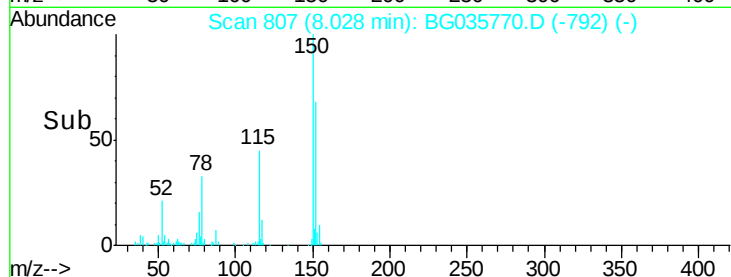
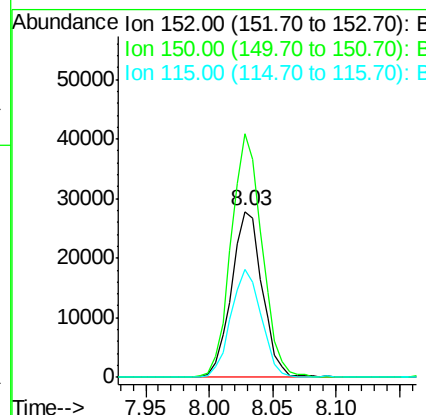
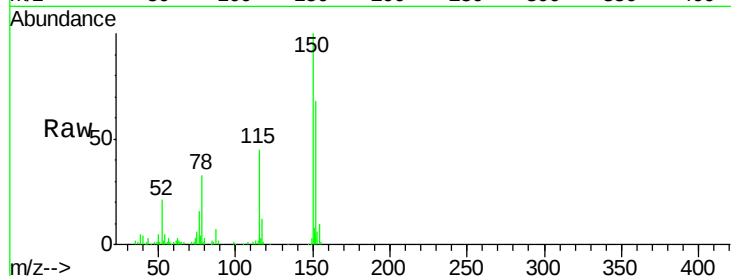


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. -0.01 min
Lab File: BG035770.D
Acq: 20 Jul 2018 4:34

Instrument :
BNA_G
ClientSampled :
NS-SOIL

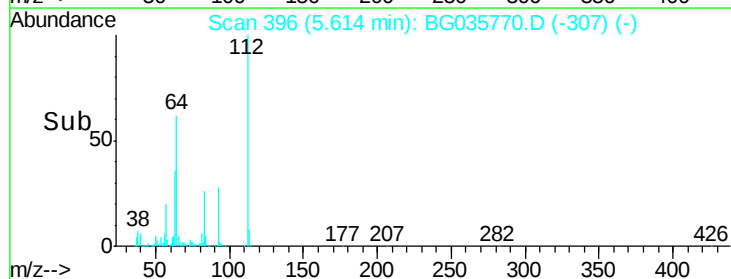
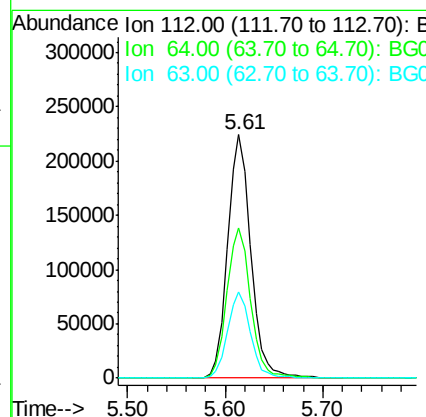
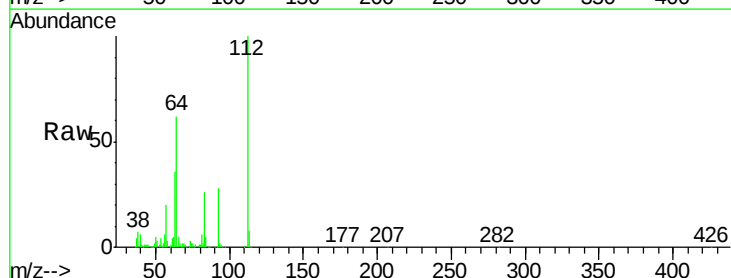
Tgt Ion:152 Resp: 46864
Ion Ratio Lower Upper
152 100
150 147.0 126.6 189.8
115 65.5 53.0 79.4

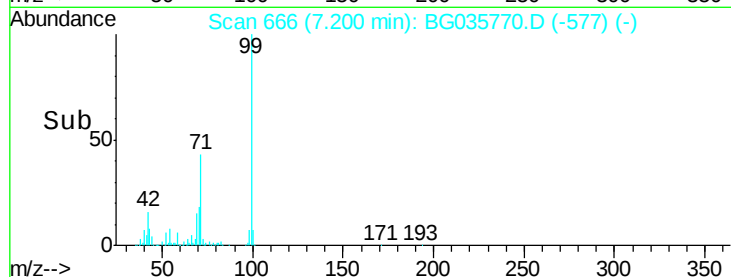
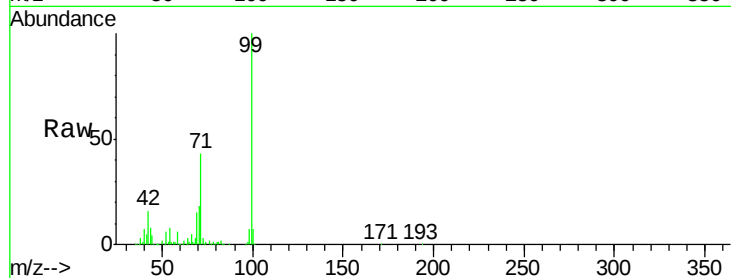
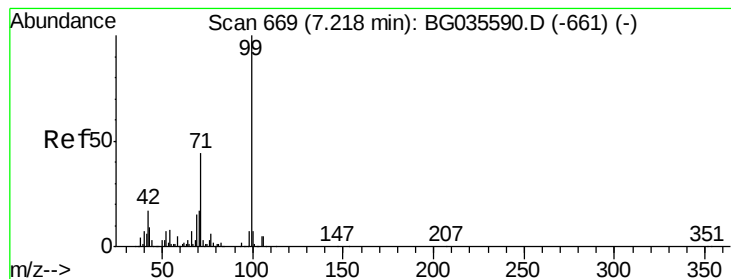


#5

2-Fluorophenol
Concen: 131.351 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.01 min
Lab File: BG035770.D
Acq: 20 Jul 2018 4:34

Tgt Ion:112 Resp: 370769
Ion Ratio Lower Upper
112 100
64 61.7 56.3 84.5
63 35.6 30.1 45.1





#7

Phenol-d6

Concen: 107.765 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG035770.D

Acq: 20 Jul 2018 4:34

Instrument :

BNA_G

ClientSampleId :

NS-SOIL

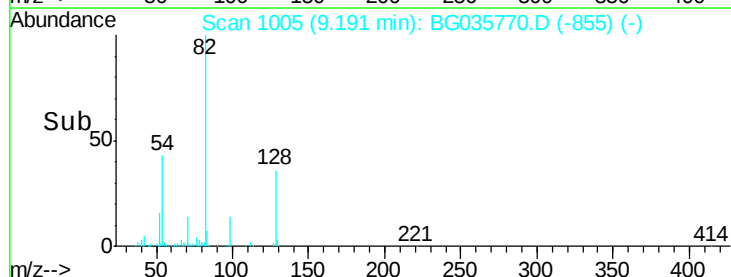
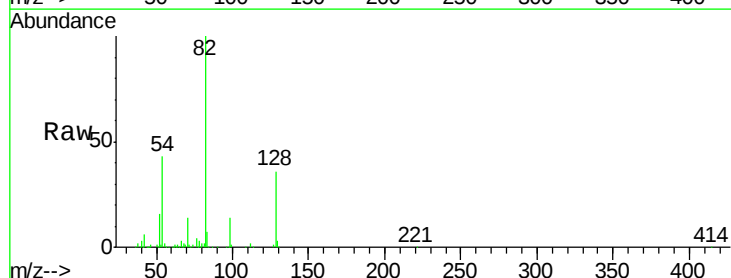
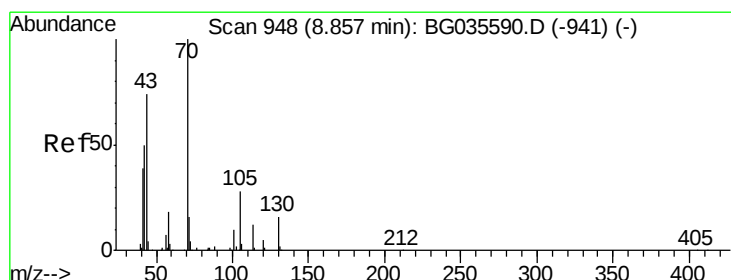
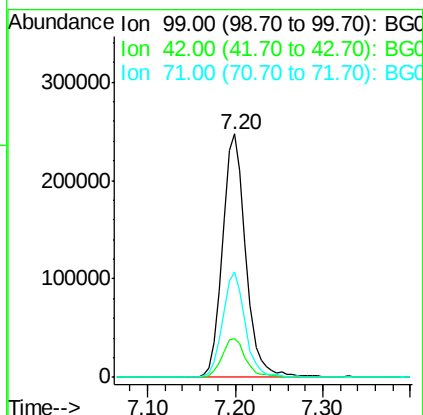
Tgt Ion: 99 Resp: 453850

Ion Ratio Lower Upper

99 100

42 16.1 14.1 21.1

71 43.4 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 13.794 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.35 min

Lab File: BG035770.D

Acq: 20 Jul 2018 4:34

Tgt Ion: 70 Resp: 48919

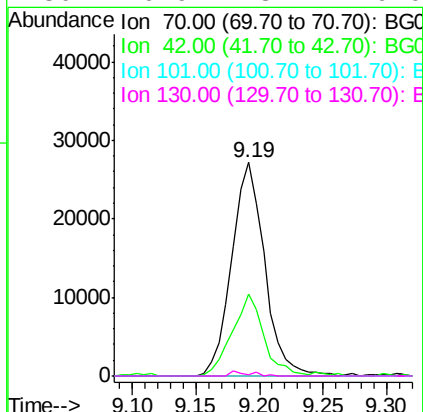
Ion Ratio Lower Upper

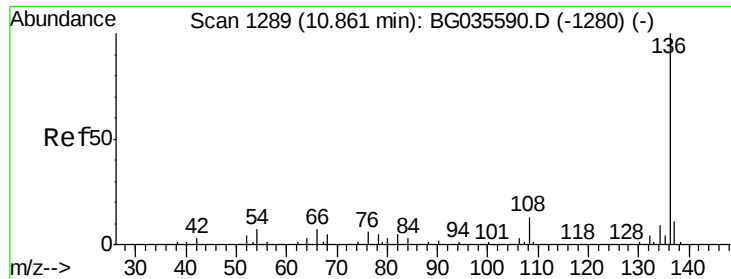
70 100

42 38.5 49.1 73.7#

101 0.0 8.5 12.7#

130 0.9 13.4 20.0#

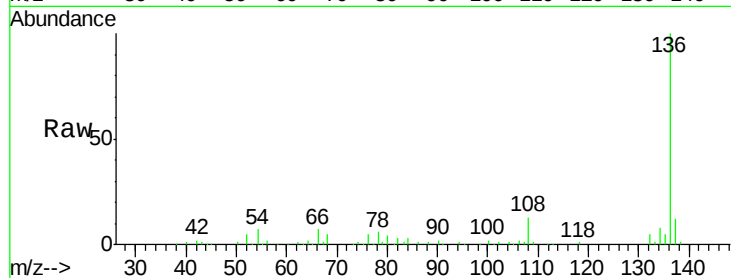




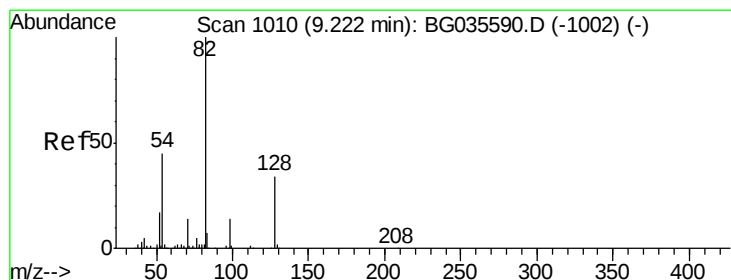
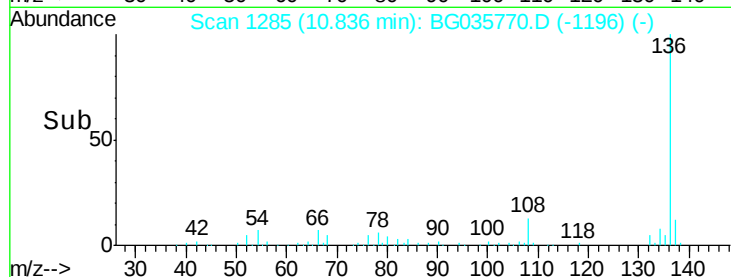
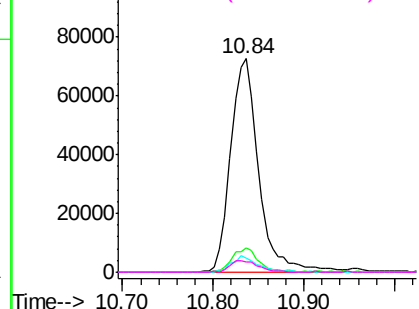
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BG035770.D
Acq: 20 Jul 2018 4:34

Instrument :
BNA_G
ClientSampleId :
NS-SOIL

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	6.8	10.3	15.5
68	4.9	4.5	6.7

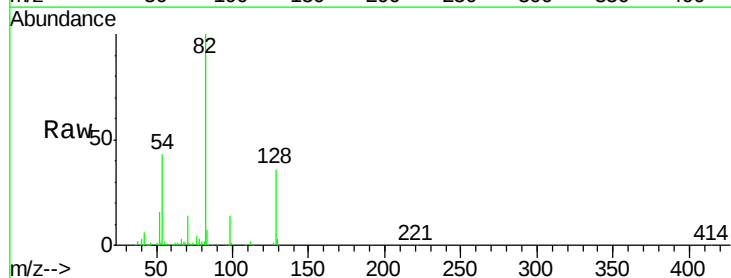


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

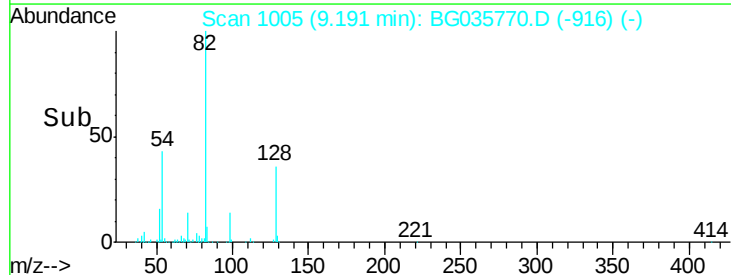
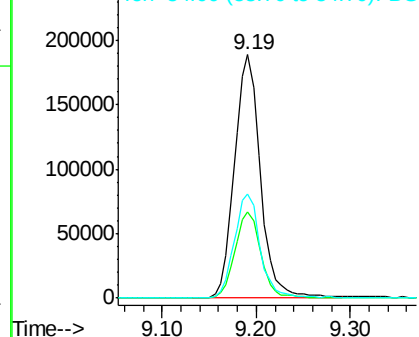


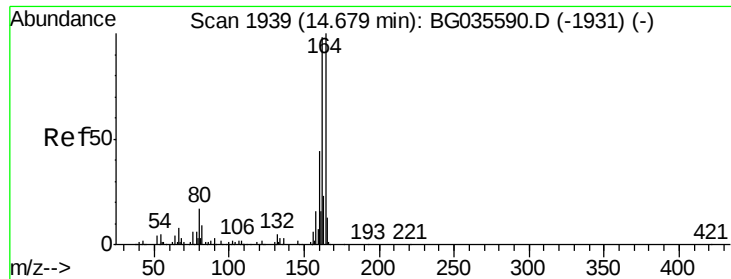
#23
Nitrobenzene-d5
Concen: 95.912 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BG035770.D
Acq: 20 Jul 2018 4:34

Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.6	29.7	44.5
54	42.6	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: 14.65 min Scan# 1935

Delta R.T. -0.01 min

Lab File: BG035770.D

Acq: 20 Jul 2018 4:34

Instrument :

BNA_G

ClientSampleId :

NS-SOIL

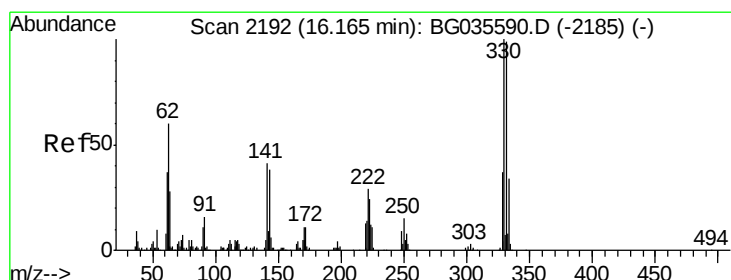
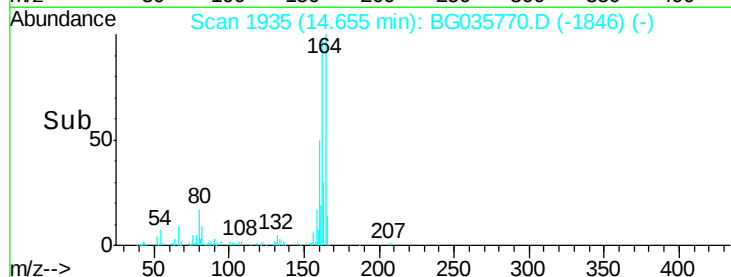
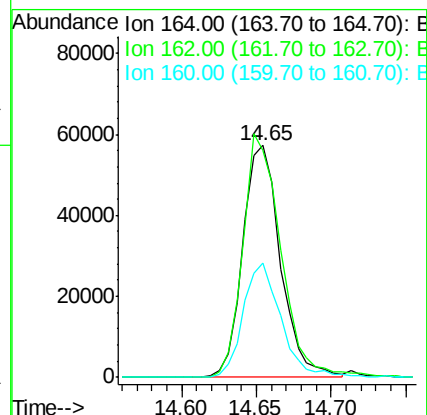
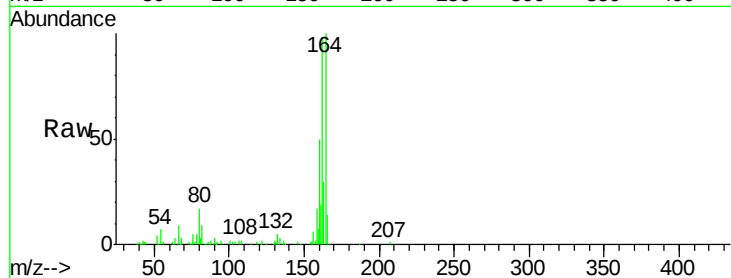
Tgt Ion:164 Resp: 100507

Ion Ratio Lower Upper

164 100

162 98.2 78.8 118.2

160 49.5 35.4 53.0



#41

2,4,6-Tribromophenol

Concen: 161.764 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.01 min

Lab File: BG035770.D

Acq: 20 Jul 2018 4:34

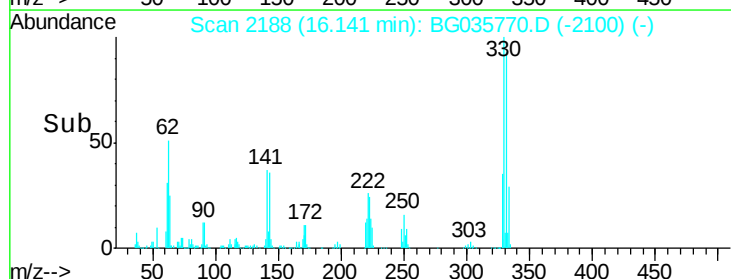
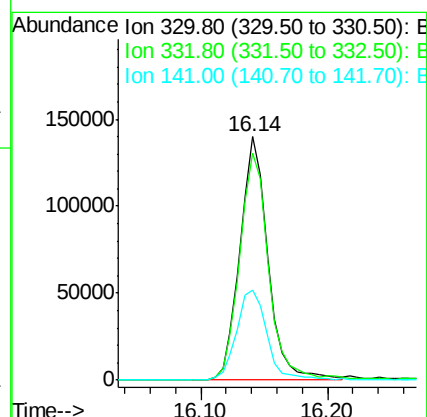
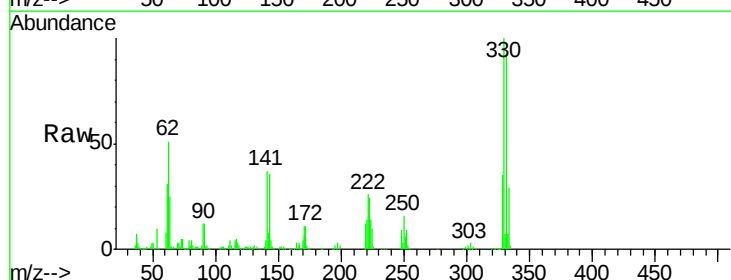
Tgt Ion:330 Resp: 214297

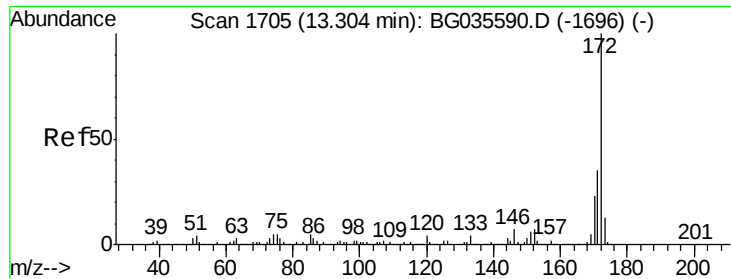
Ion Ratio Lower Upper

330 100

332 97.4 77.0 115.6

141 40.1 25.2 37.8#

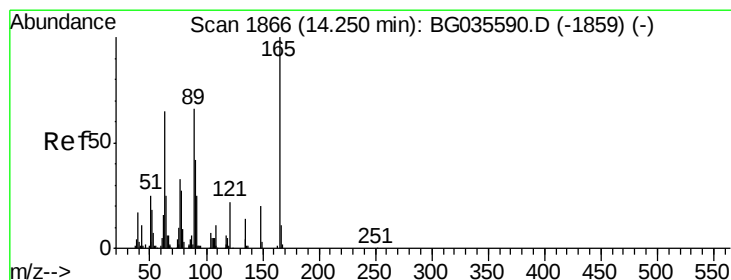
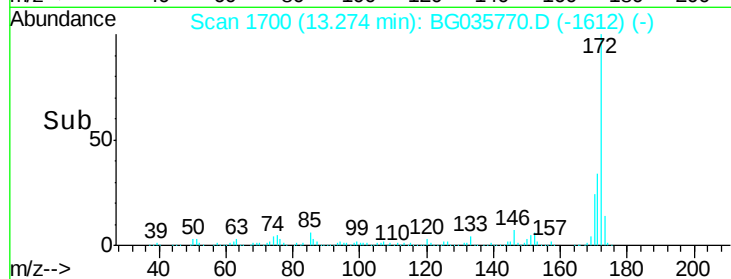
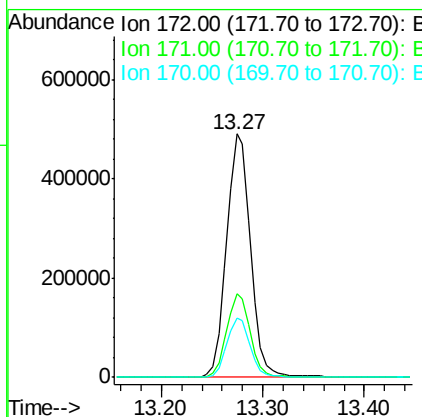
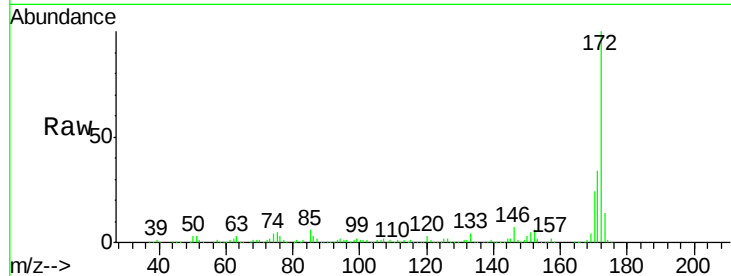




#44
 2-Fluorobiphenyl
 Concen: 107.180 ng
 RT: 13.27 min Scan# 1700
 Delta R.T. -0.01 min
 Lab File: BG035770.D
 Acq: 20 Jul 2018 4:34

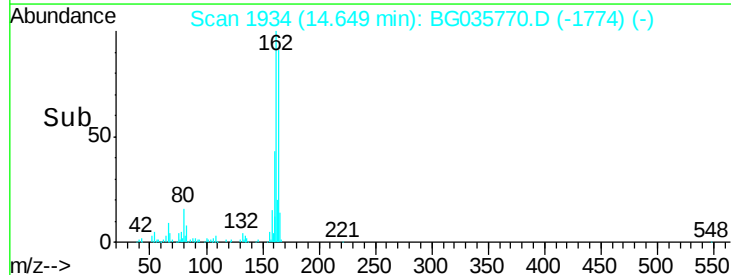
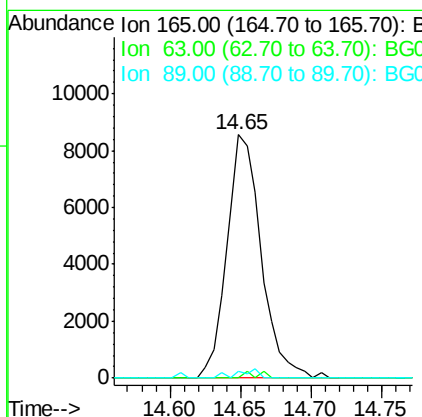
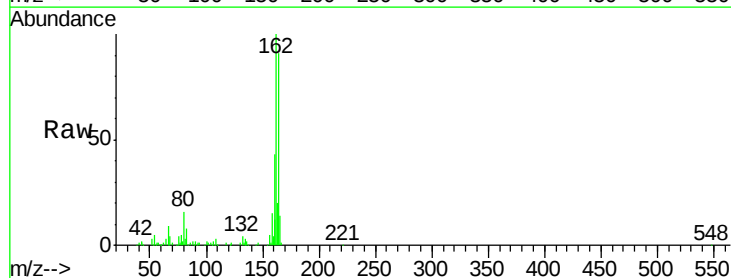
Instrument :
 BNA_G
 ClientSampleId :
 NS-SOIL

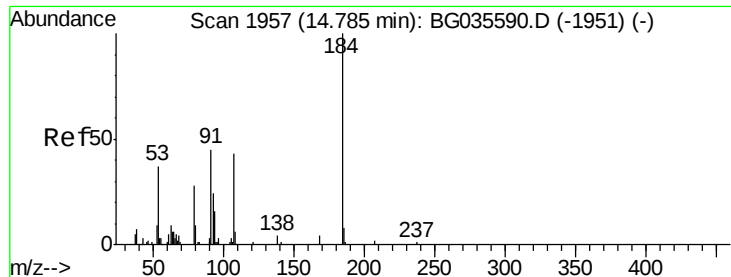
Tgt Ion:172 Resp: 804065
 Ion Ratio Lower Upper
 172 100
 171 34.5 30.0 45.0
 170 24.1 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.068 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.41 min
 Lab File: BG035770.D
 Acq: 20 Jul 2018 4:34

Tgt Ion:165 Resp: 14468
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.7 49.2 73.8#





#53

2,4-Dinitrophenol

Concen: 6.704 ng

RT: 14.95 min Scan# 1985

Delta R.T. 0.15 min

Lab File: BG035770.D

Acq: 20 Jul 2018 4:34

Instrument :

BNA_G

ClientSampleId :

NS-SOIL

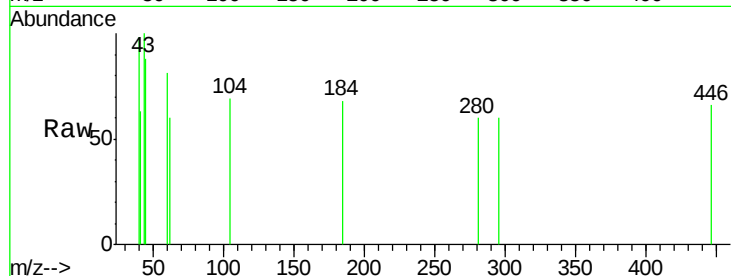
Tgt Ion:184 Resp: 122

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

154 0.0 101.8 152.8#



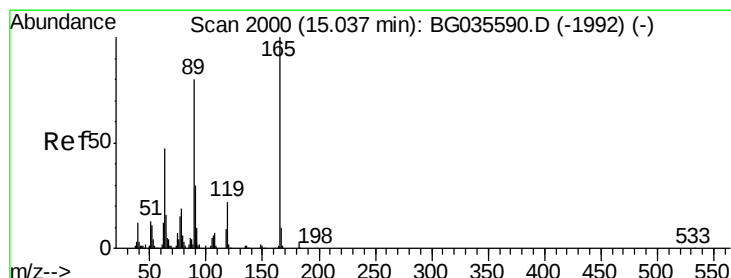
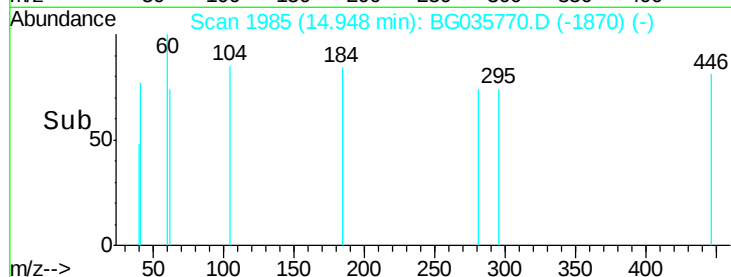
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

14.95

14.92 14.94 14.96



#56

2,4-Dinitrotoluene

Concen: 5.624 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.37 min

Lab File: BG035770.D

Acq: 20 Jul 2018 4:34

Tgt Ion:165 Resp: 14468

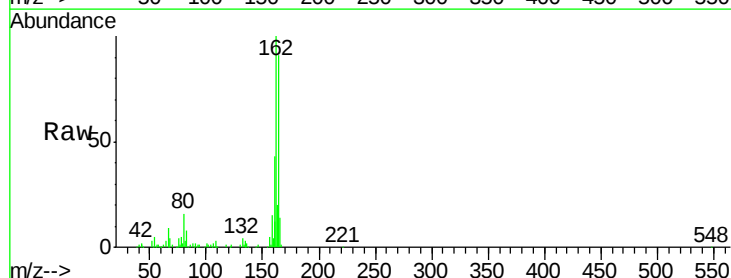
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 2.7 66.9 100.3#

182 0.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E

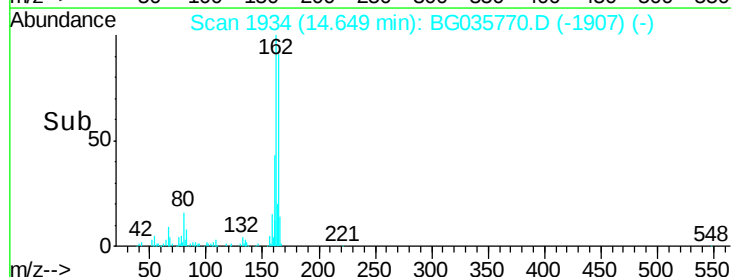
Ion 63.00 (62.70 to 63.70): BGC

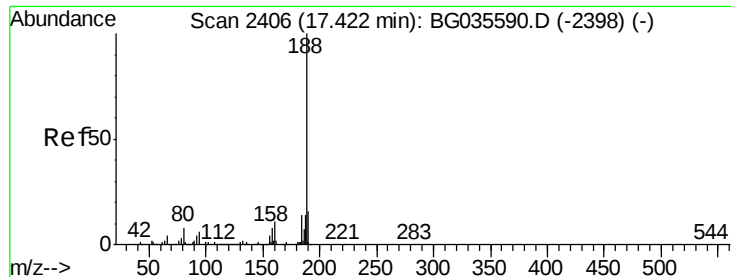
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

14.65

14.60 14.65 14.70 14.75

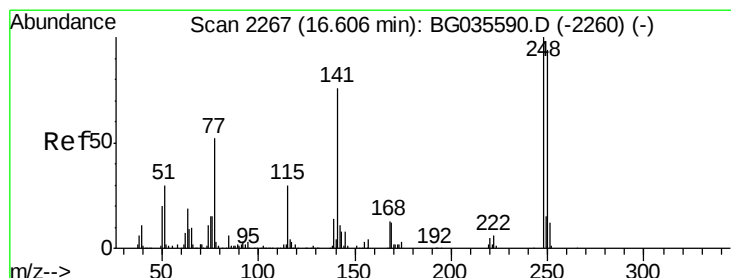
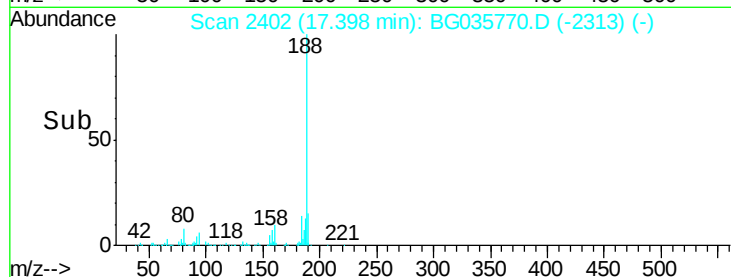
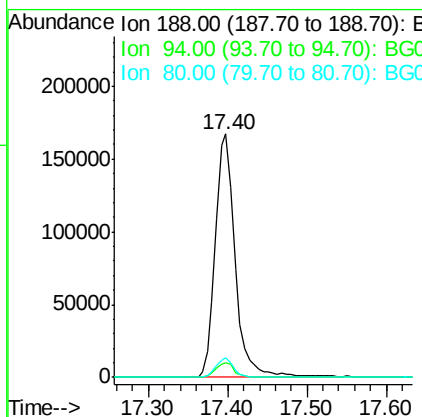
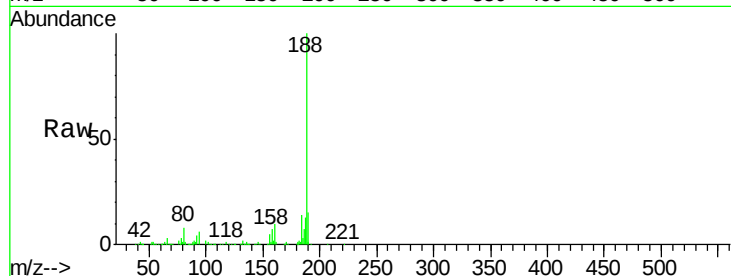




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2402
Delta R.T. -0.01 min
Lab File: BG035770.D
Acq: 20 Jul 2018 4:34

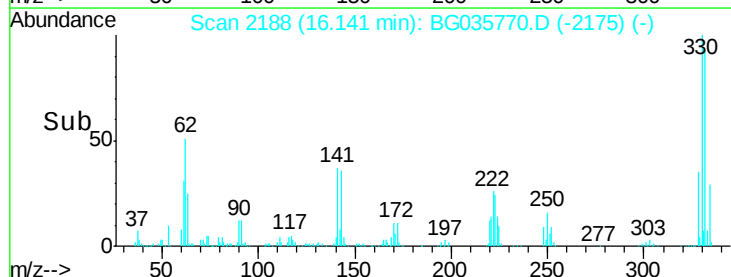
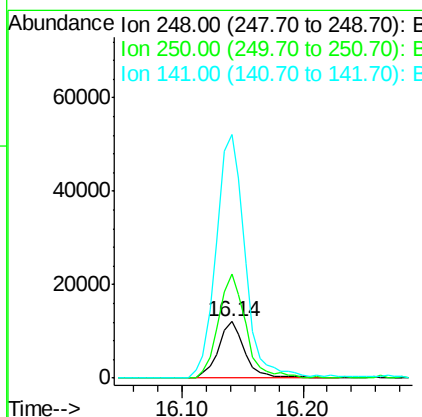
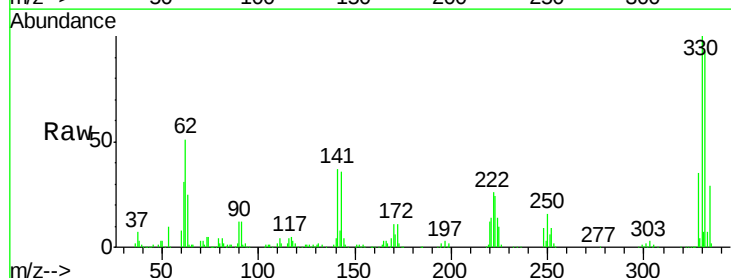
Instrument :
BNA_G
ClientSampleId :
NS-SOIL

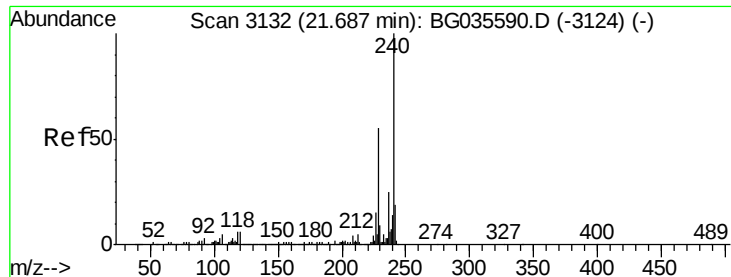
Tgt Ion:188 Resp: 291488
Ion Ratio Lower Upper
188 100
94 5.7 6.9 10.3#
80 8.0 7.7 11.5



#66
4-Bromophenyl-phenylether
Concen: 5.455 ng
RT: 16.14 min Scan# 2188
Delta R.T. -0.45 min
Lab File: BG035770.D
Acq: 20 Jul 2018 4:34

Tgt Ion:248 Resp: 18449
Ion Ratio Lower Upper
248 100
250 183.6 77.1 115.7#
141 429.8 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3127

Delta R.T. -0.02 min

Lab File: BG035770.D

Acq: 20 Jul 2018 4:34

Instrument :

BNA_G

ClientSampleId :

NS-SOIL

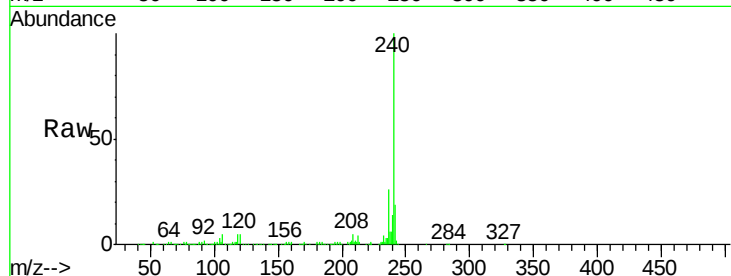
Tgt Ion:240 Resp: 347942

Ion Ratio Lower Upper

240 100

120 5.3 6.8 10.2#

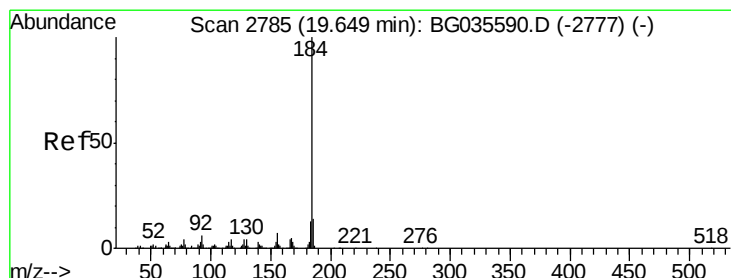
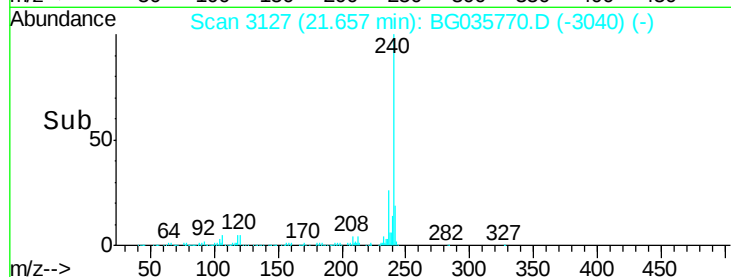
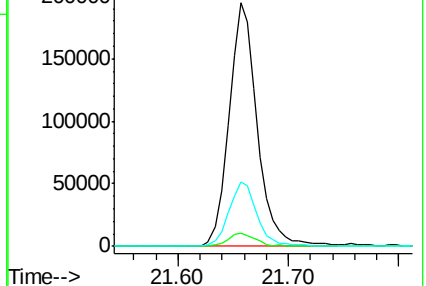
236 26.2 20.9 31.3



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: 3.054 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.36 min

Lab File: BG035770.D

Acq: 20 Jul 2018 4:34

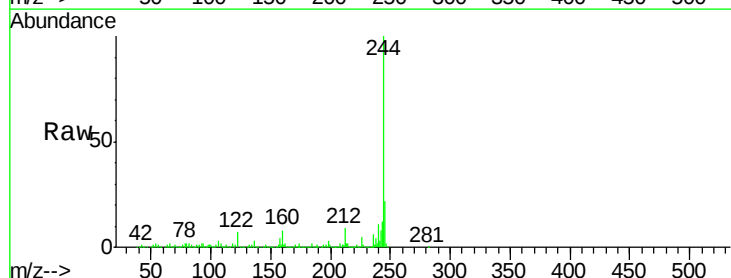
Tgt Ion:184 Resp: 27934

Ion Ratio Lower Upper

184 100

185 17.7 11.1 16.7#

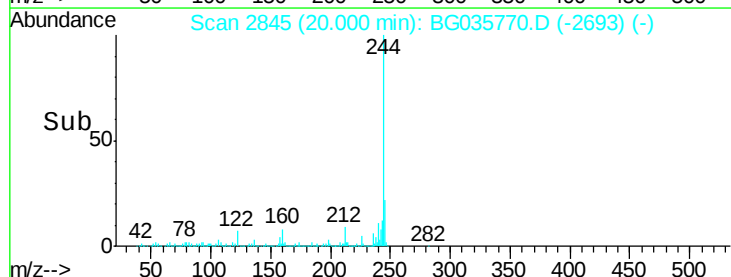
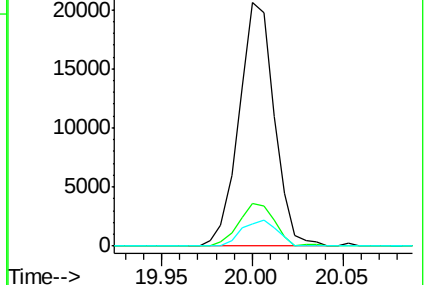
183 9.0 10.6 16.0#

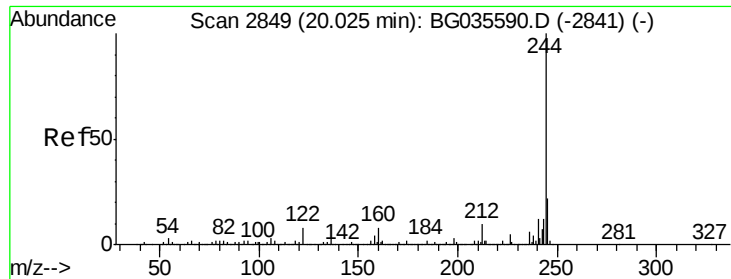


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 101.528 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BG035770.D

Acq: 20 Jul 2018 4:34

Instrument :

BNA_G

ClientSampled :

NS-SOIL

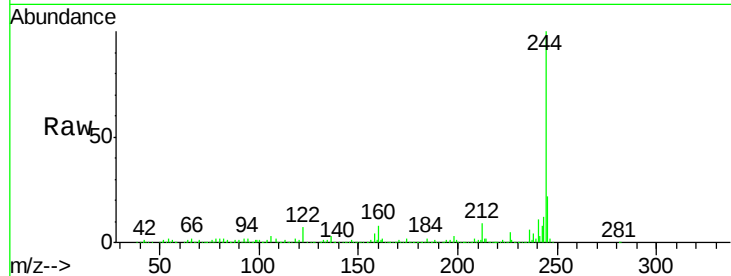
Tgt Ion:244 Resp: 1602584

Ion Ratio Lower Upper

244 100

212 9.3 5.8 8.8#

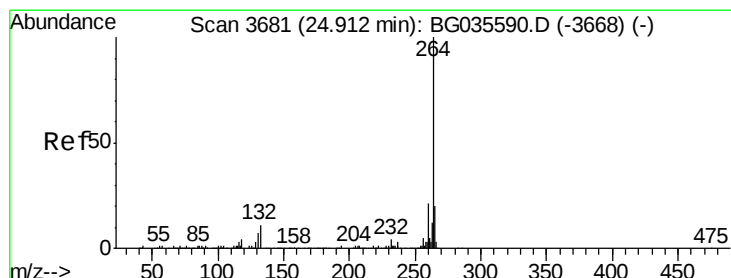
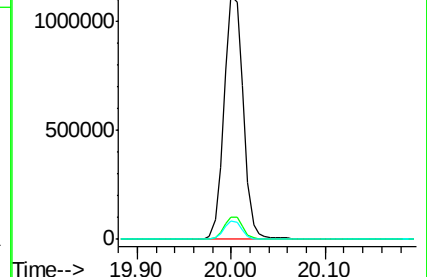
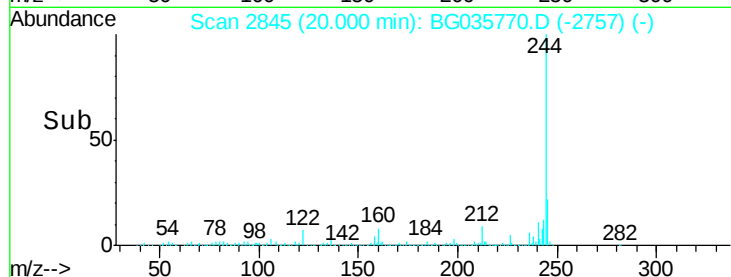
122 7.5 7.0 10.4



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: 24.85 min Scan# 3671

Delta R.T. -0.03 min

Lab File: BG035770.D

Acq: 20 Jul 2018 4:34

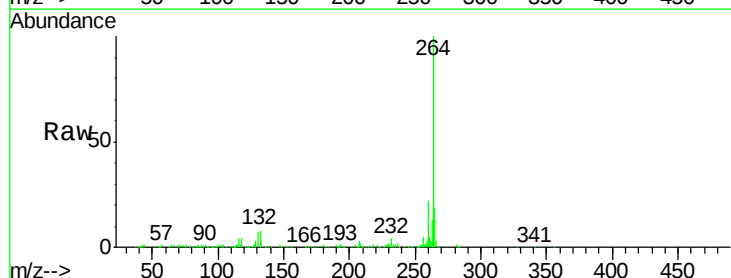
Tgt Ion:264 Resp: 329184

Ion Ratio Lower Upper

264 100

260 22.0 17.4 26.0

265 19.5 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

