

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071818\
 Data File : BG035728.D
 Acq On : 18 Jul 2018 22:09
 Operator : JU/SJ
 Sample : J4016-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 19 02:03:51 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

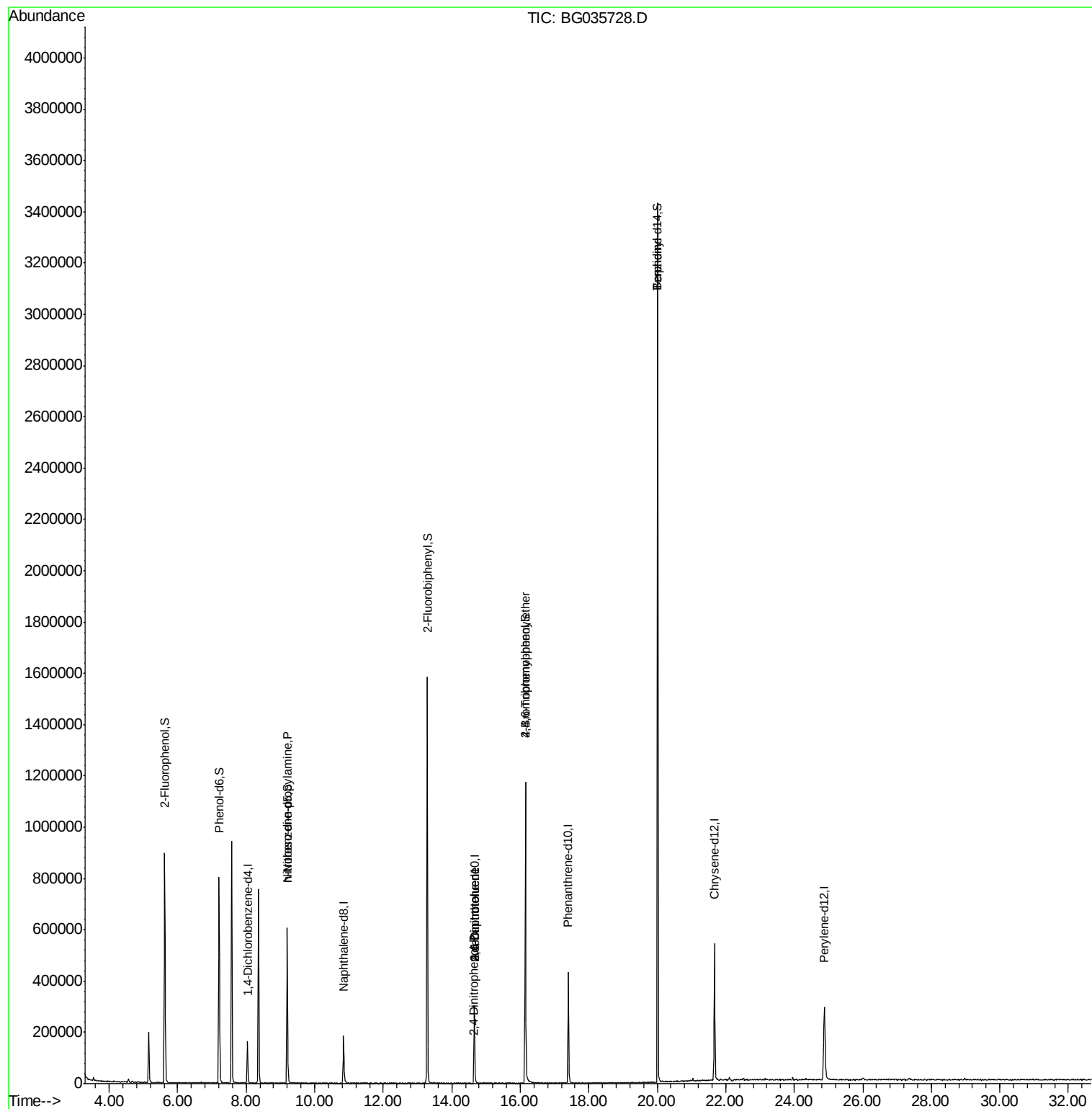
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	46562	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	164555	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	112228	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	295527	20.00	ng	0.00
75) Chrysene-d12	21.67	240	356547	20.00	ng	0.00
86) Perylene-d12	24.88	264	333783	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	391641	139.65	ng	0.00
7) Phenol-d6	7.21	99	481275	115.02	ng	0.00
23) Nitrobenzene-d5	9.20	82	403565	102.45	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	226335	153.01	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	859221	102.57	ng	0.00
78) Terphenyl-d14	20.02	244	1633853	101.01	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	54647	15.509	ng	# 71
50) 2,6-Dinitrotoluene	14.66	165	15403	7.693	ng	# 20
53) 2,4-Dinitrophenol	14.63	184	61	6.637	ng	# 1
56) 2,4-Dinitrotoluene	14.66	165	15403	5.362	ng	# 18
66) 4-Bromophenyl-phenylether	16.15	248	17875	5.213	ng	# 1
76) Benzidine	20.01	184	29622	3.160	ng	# 88

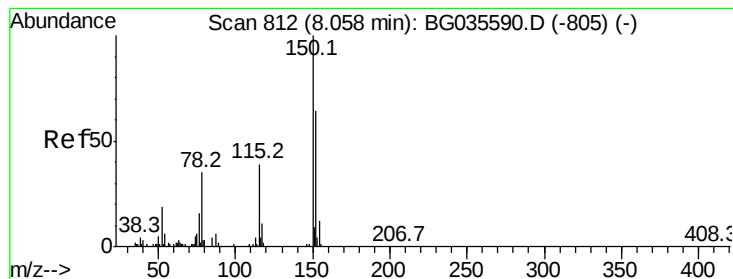
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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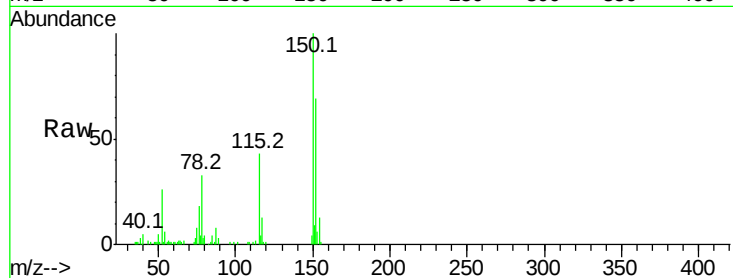


#1

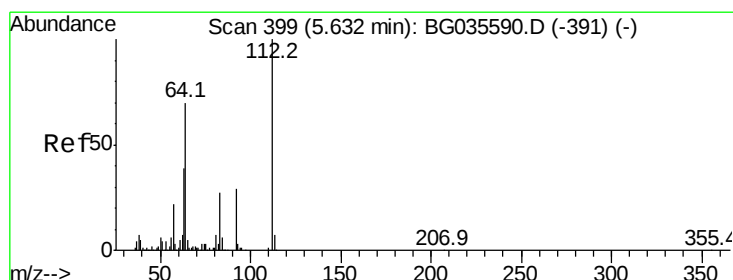
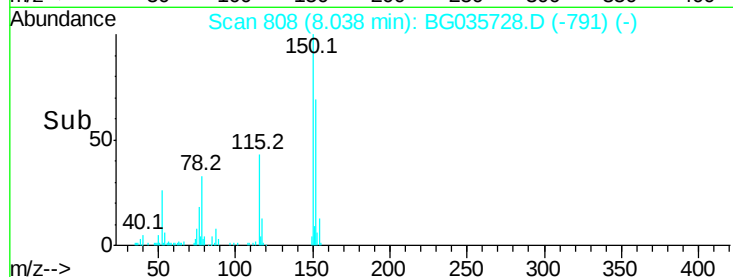
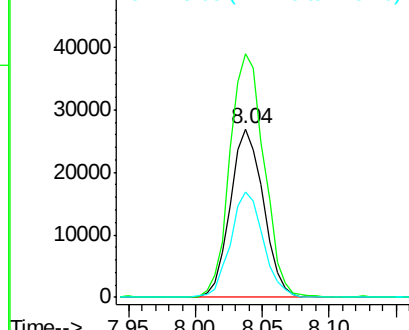
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 808
Delta R.T. -0.00 min
Lab File: BG035728.D
Acq: 18 Jul 2018 22:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	144.3	126.6	189.8
115	62.1	53.0	79.4



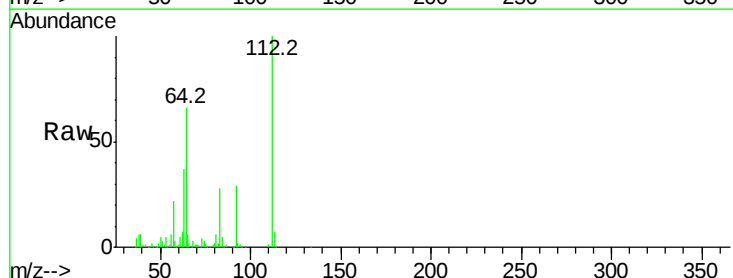
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



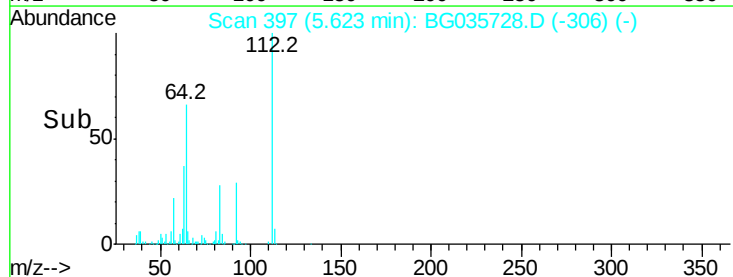
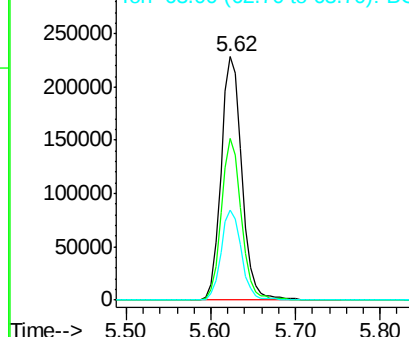
#5

2-Fluorophenol
Concen: 139.645 ng
RT: 5.62 min Scan# 397
Delta R.T. 0.00 min
Lab File: BG035728.D
Acq: 18 Jul 2018 22:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	56.3	84.5
63	36.9	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 115.018 ng

RT: 7.21 min Scan# 667

Delta R.T. 0.00 min

Lab File: BG035728.D

Acq: 18 Jul 2018 22:09

Instrument :

BNA_G

ClientSampleId :

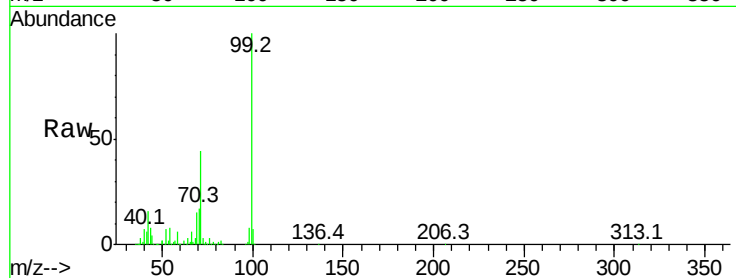
Tot Ion: 99 Resp: 481275

Ion Ratio Lower Upper

99 100

42 16.2 14.1 21.1

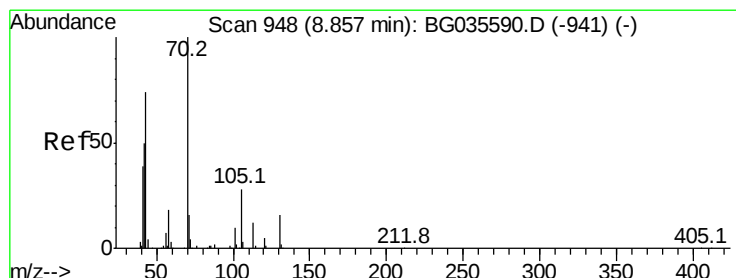
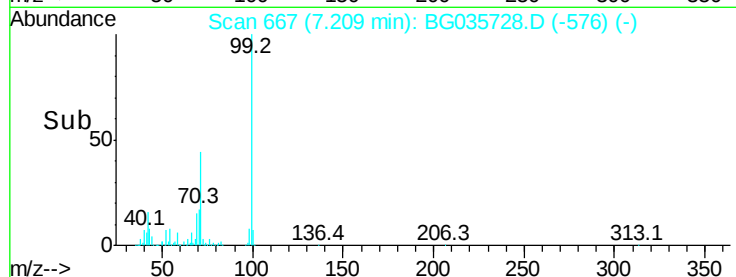
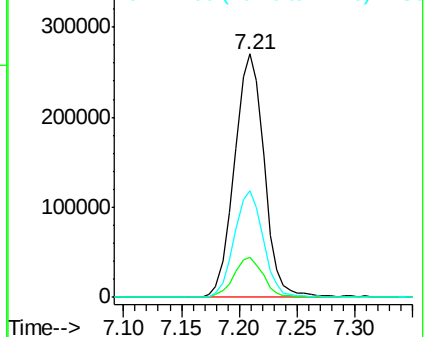
71 44.0 26.1 39.1#



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: 15.509 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.36 min

Lab File: BG035728.D

Acq: 18 Jul 2018 22:09

Tgt Ion: 70 Resp: 54647

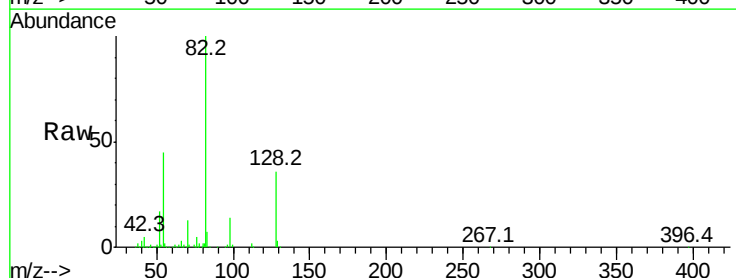
Ion Ratio Lower Upper

70 100

42 40.8 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

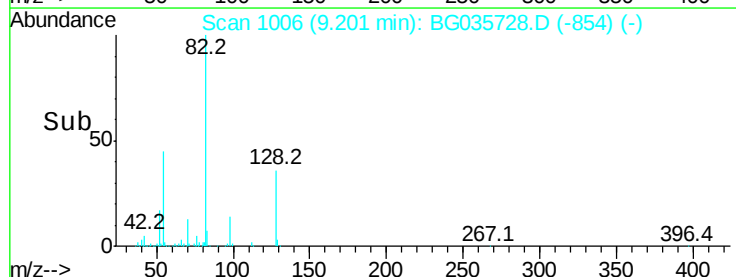
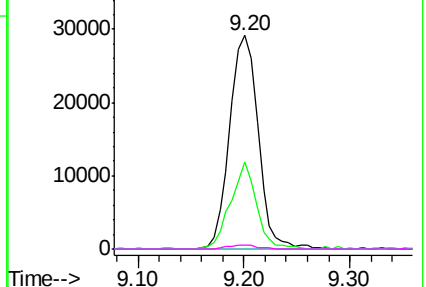


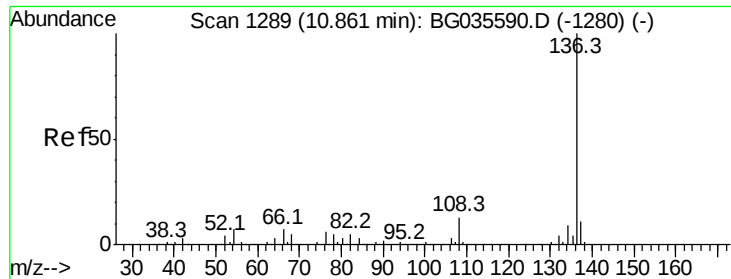
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

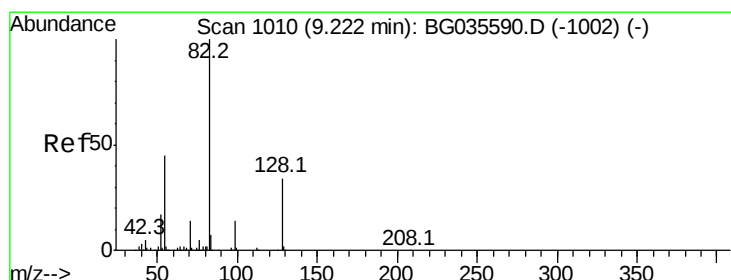
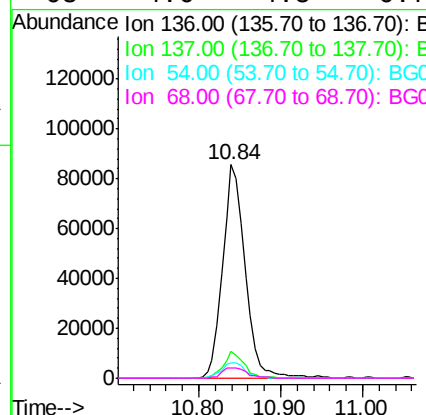
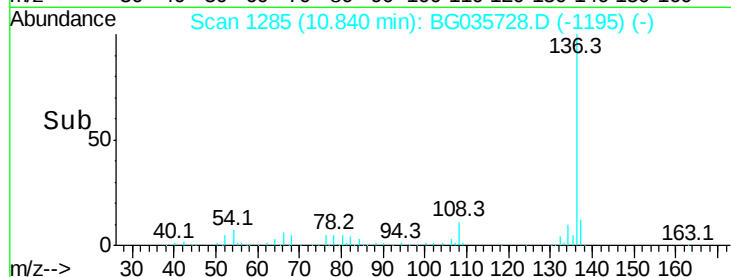
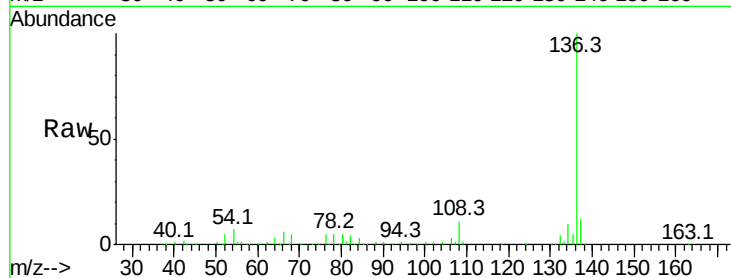




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1285
Delta R.T. -0.00 min
Lab File: BG035728.D
Acq: 18 Jul 2018 22:09

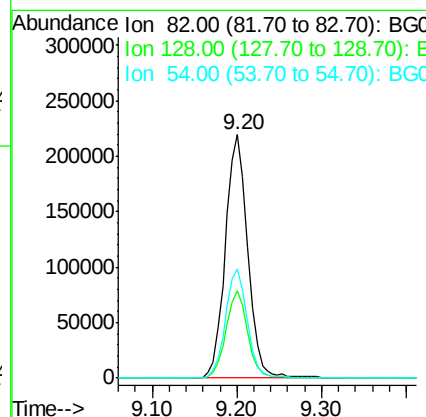
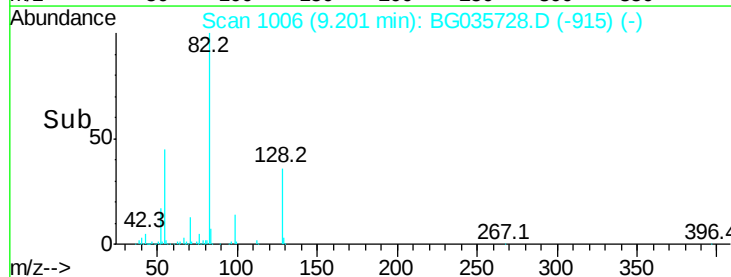
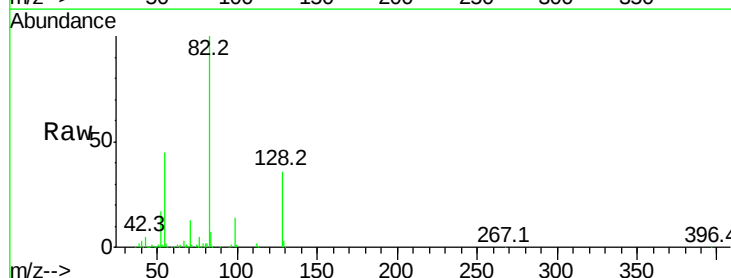
Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	164555
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.2	13.8
54	7.5	10.3	15.5
68	4.6	4.5	6.7



#23
Nitrobenzene-d5
Concen: 102.451 ng
RT: 9.20 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BG035728.D
Acq: 18 Jul 2018 22:09

Tgt Ion:	82	Resp:	403565
Ion	Ratio	Lower	Upper
82	100		
128	35.8	29.7	44.5
54	44.7	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1935

Delta R.T. -0.00 min

Lab File: BG035728.D

Acq: 18 Jul 2018 22:09

Instrument :

BNA_G

ClientSampled :

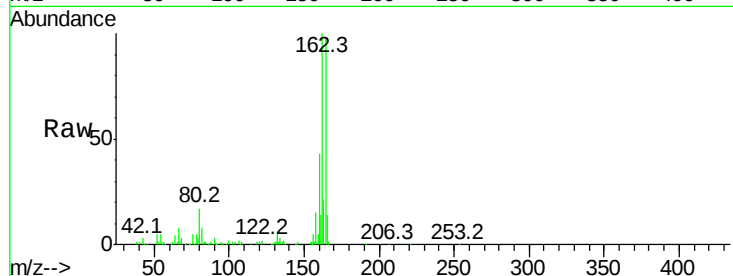
Tot Ion:164 Resp: 112228

Ion Ratio Lower Upper

164 100

162 102.0 78.8 118.2

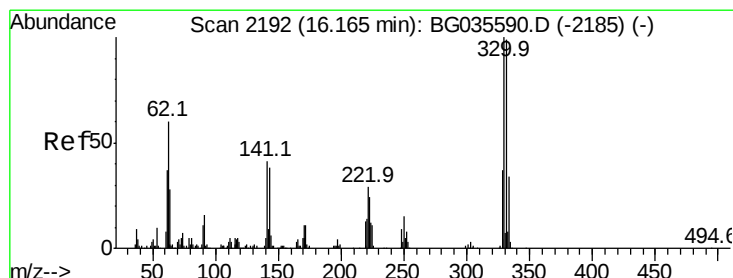
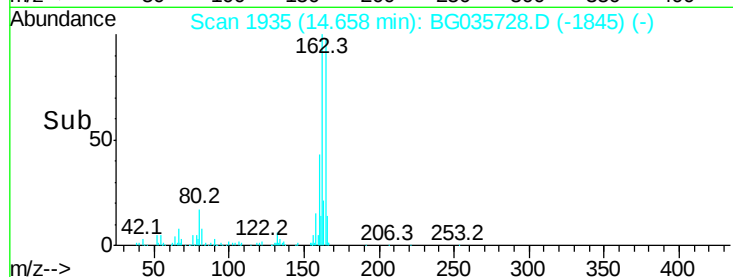
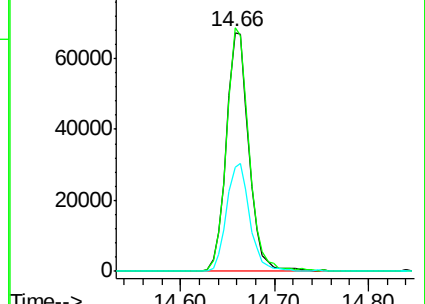
160 43.8 35.4 53.0



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: 153.008 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.00 min

Lab File: BG035728.D

Acq: 18 Jul 2018 22:09

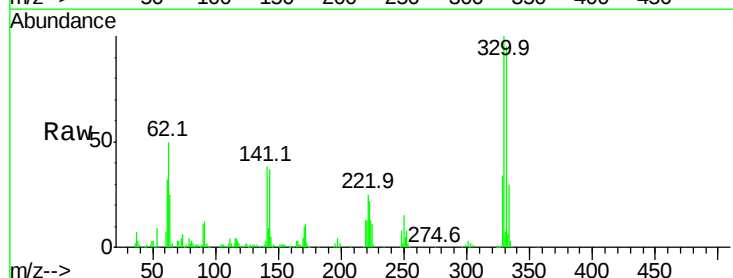
Tgt Ion:330 Resp: 226335

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

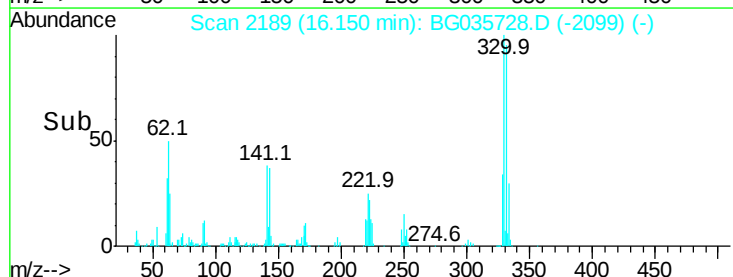
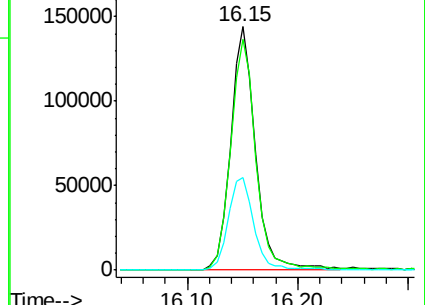
141 39.6 25.2 37.8#

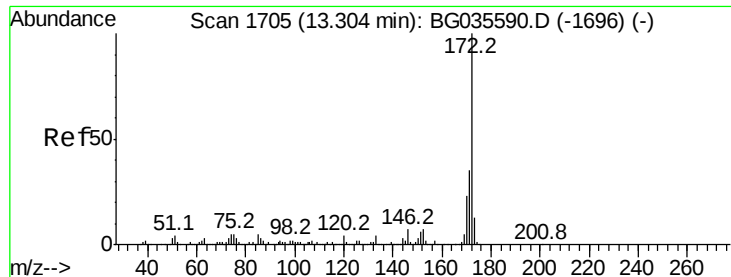


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

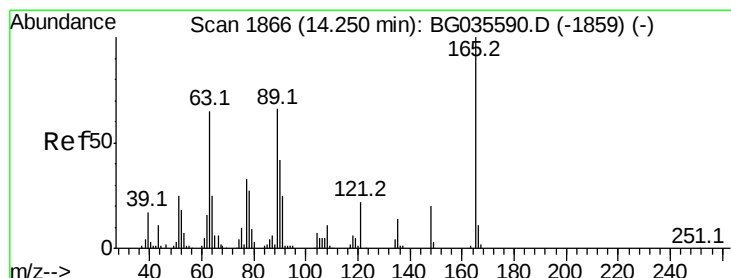
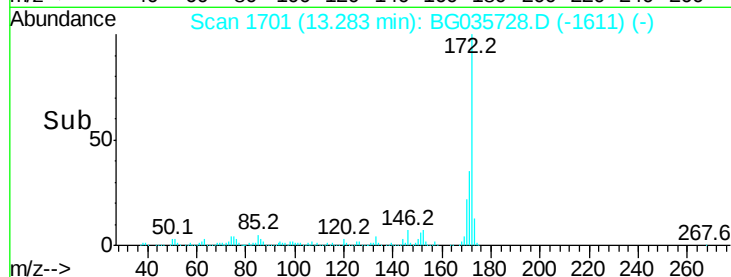
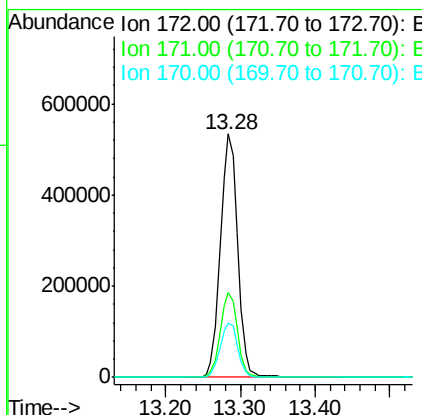
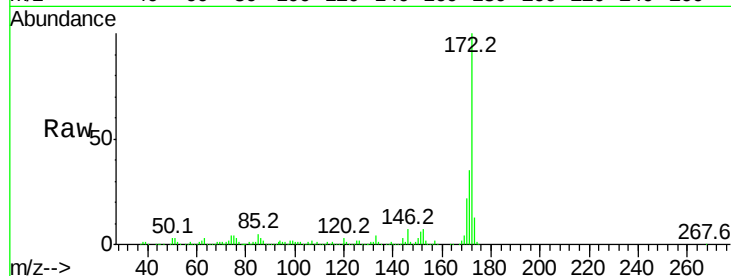




#44
2-Fluorobiphenyl
Concen: 102.571 ng
RT: 13.28 min Scan# 1701
Delta R.T. -0.00 min
Lab File: BG035728.D
Acq: 18 Jul 2018 22:09

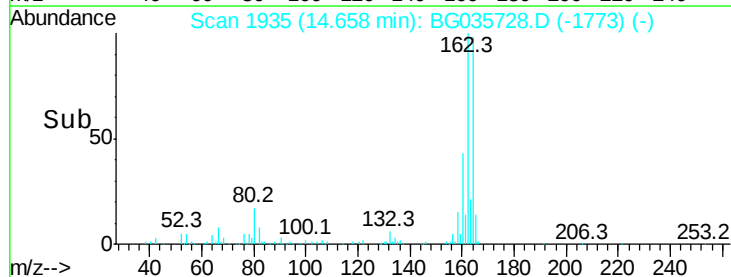
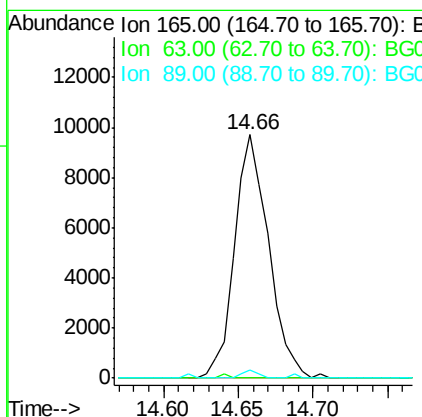
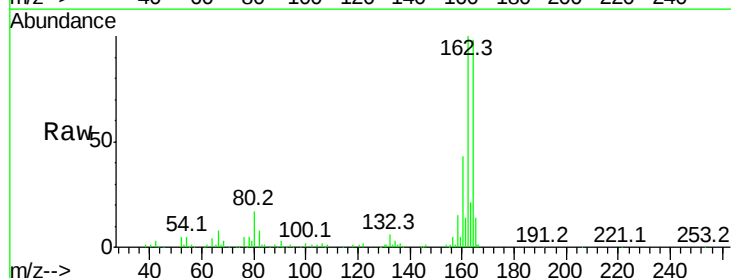
Instrument :
BNA_G
ClientSampleId :

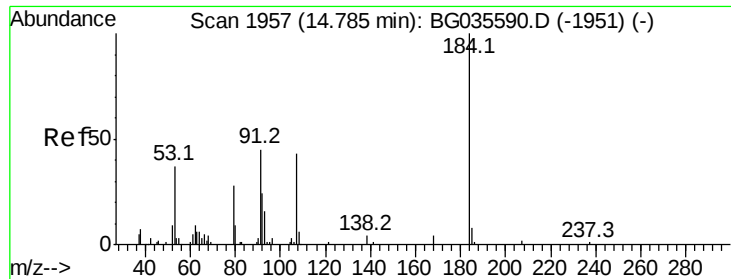
Tot Ion:172 Resp: 859221
Ion Ratio Lower Upper
172 100
171 35.1 30.0 45.0
170 22.5 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.693 ng
RT: 14.66 min Scan# 1935
Delta R.T. 0.42 min
Lab File: BG035728.D
Acq: 18 Jul 2018 22:09

Tgt Ion:165 Resp: 15403
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 3.3 49.2 73.8#





#53

2,4-Dinitrophenol

Concen: 6.637 ng

RT: 14.63 min Scan# 1930

Delta R.T. -0.17 min

Lab File: BG035728.D

Acq: 18 Jul 2018 22:09

Instrument :

BNA_G

ClientSampled :

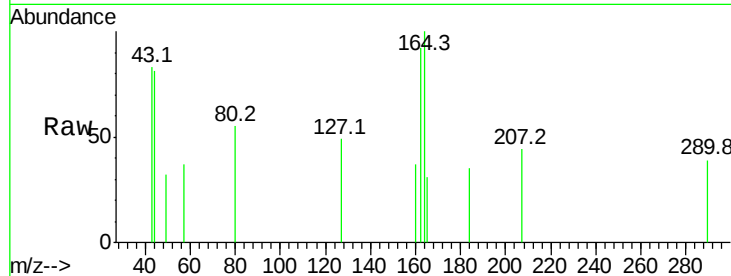
Tot Ion:184 Resp: 61

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

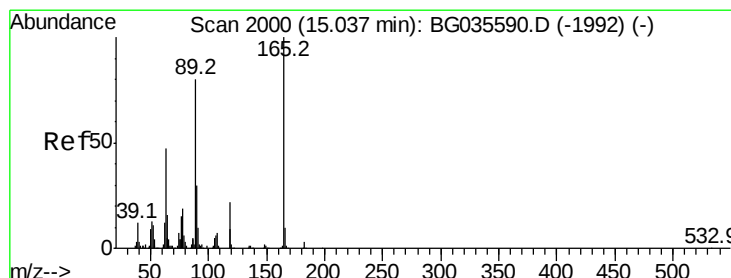
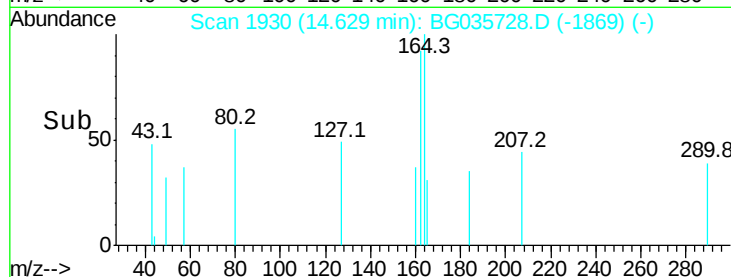
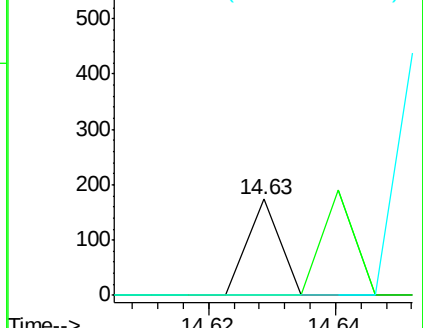
154 0.0 101.8 152.8#



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: 5.362 ng

RT: 14.66 min Scan# 1935

Delta R.T. -0.36 min

Lab File: BG035728.D

Acq: 18 Jul 2018 22:09

Tgt Ion:165 Resp: 15403

Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 3.3 66.9 100.3#

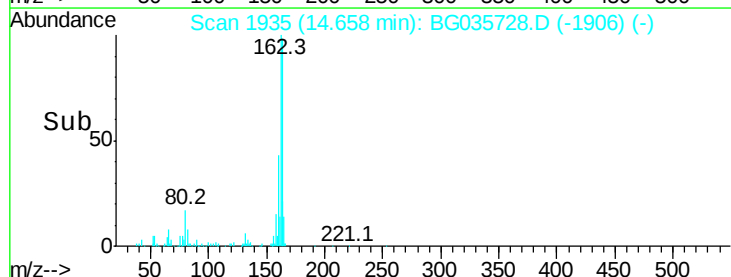
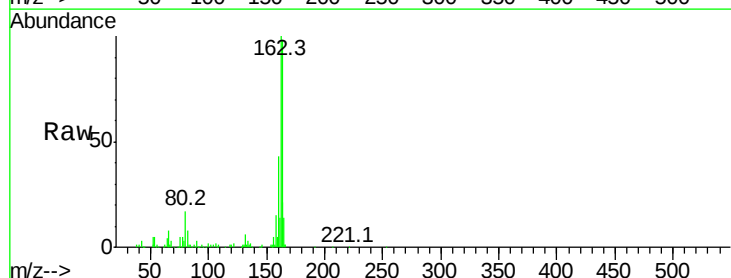
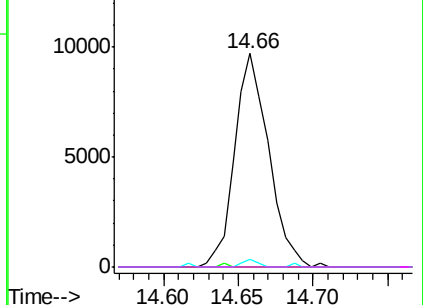
182 0.0 2.6 3.8#

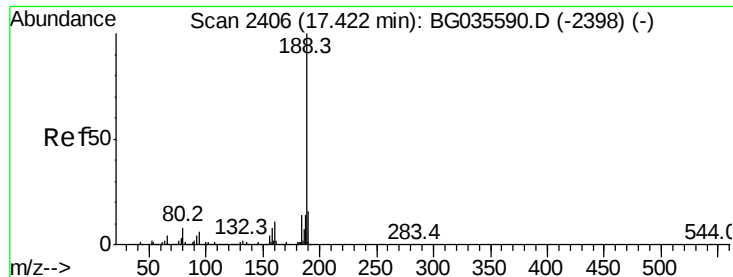
Abundance Ion 165.00 (164.70 to 165.70): E

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# 2402

Delta R.T. -0.00 min

Lab File: BG035728.D

Acq: 18 Jul 2018 22:09

Instrument :

BNA_G

ClientSampleId :

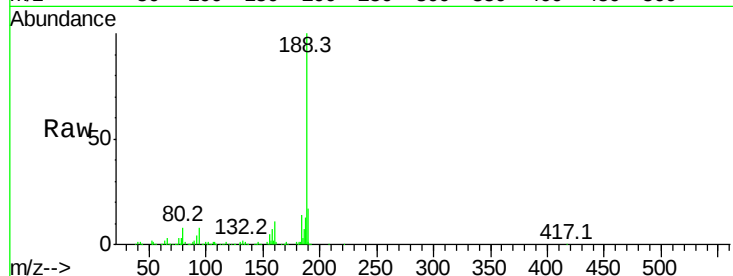
Tot Ion:188 Resp: 295527

Ion Ratio Lower Upper

188 100

94 7.7 6.9 10.3

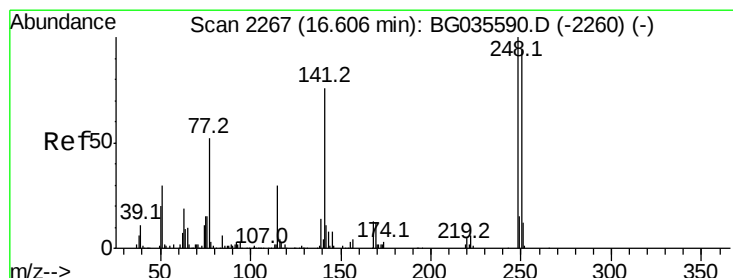
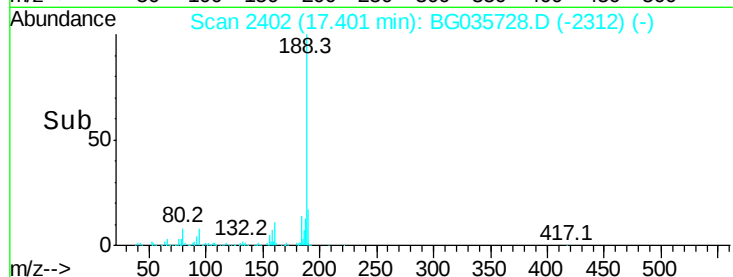
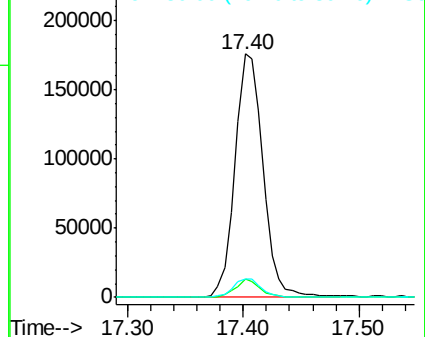
80 7.5 7.7 11.5#



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: 5.213 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.44 min

Lab File: BG035728.D

Acq: 18 Jul 2018 22:09

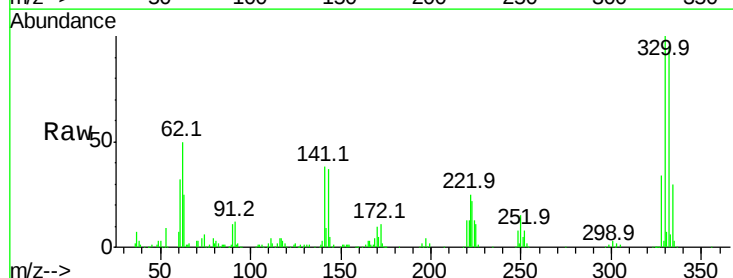
Tgt Ion:248 Resp: 17875

Ion Ratio Lower Upper

248 100

250 197.3 77.1 115.7#

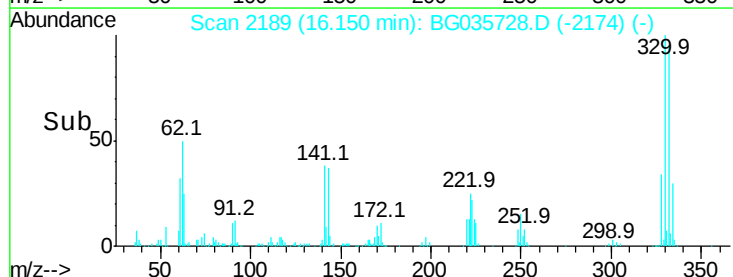
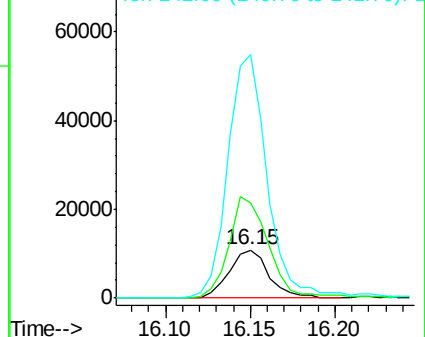
141 503.3 50.8 76.2#

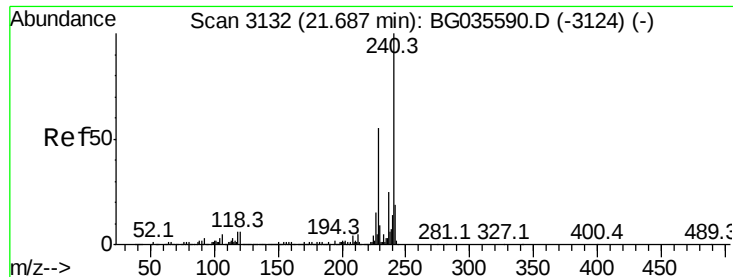


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.00 min

Lab File: BG035728.D

Acq: 18 Jul 2018 22:09

Instrument :

BNA_G

ClientSampleId :

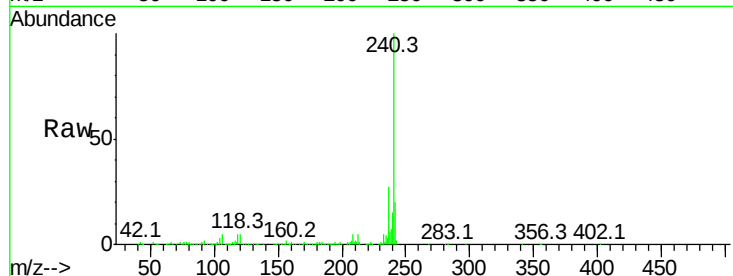
Tot Ion:240 Resp: 356547

Ion Ratio Lower Upper

240 100

120 5.5 6.8 10.2#

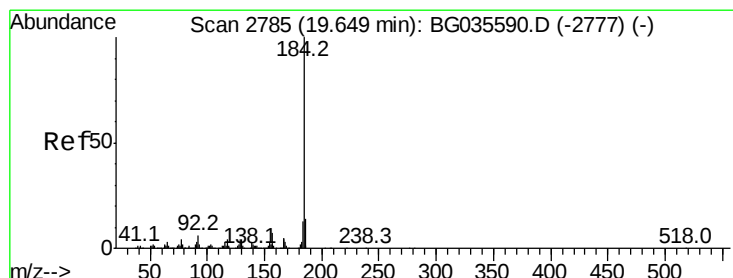
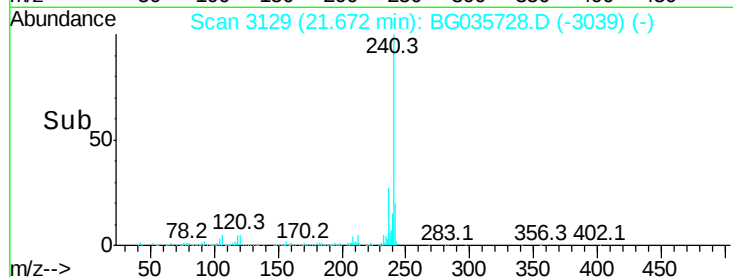
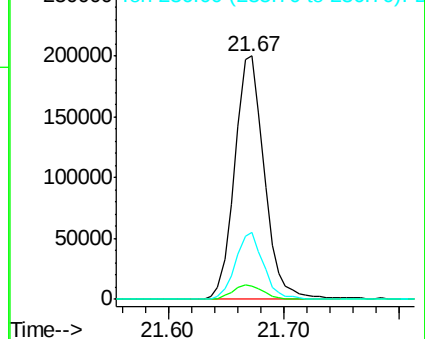
236 27.4 20.9 31.3



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: 3.160 ng

RT: 20.01 min Scan# 2846

Delta R.T. 0.37 min

Lab File: BG035728.D

Acq: 18 Jul 2018 22:09

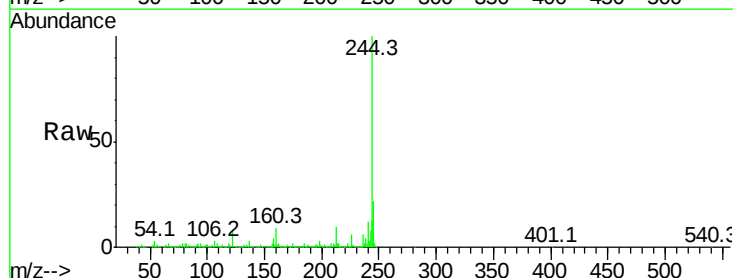
Tgt Ion:184 Resp: 29622

Ion Ratio Lower Upper

184 100

185 17.2 11.1 16.7#

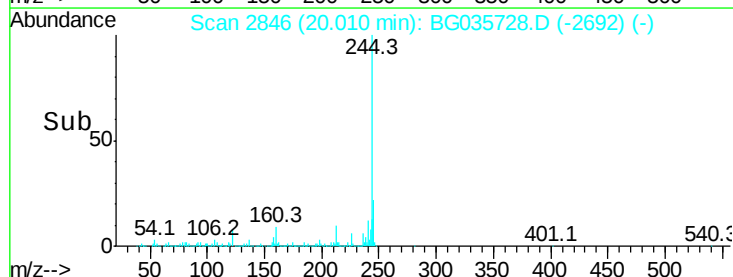
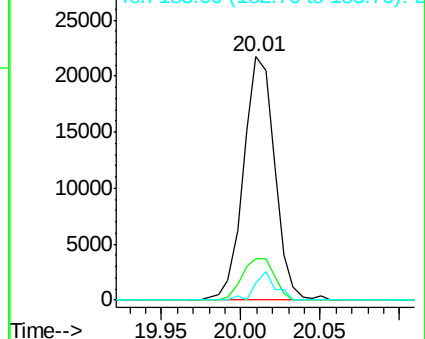
183 6.9 10.6 16.0#

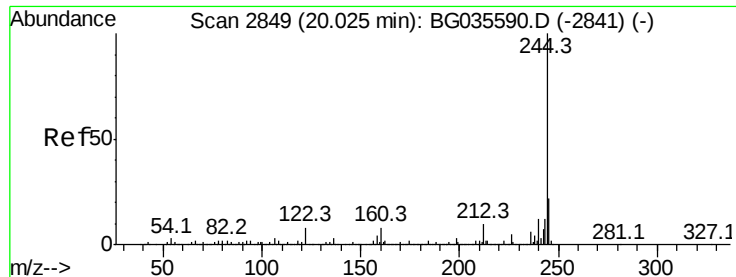


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 101.011 ng

RT: 20.02 min Scan# 2847

Delta R.T. 0.00 min

Lab File: BG035728.D

Acq: 18 Jul 2018 22:09

Instrument :

BNA_G

ClientSampleId :

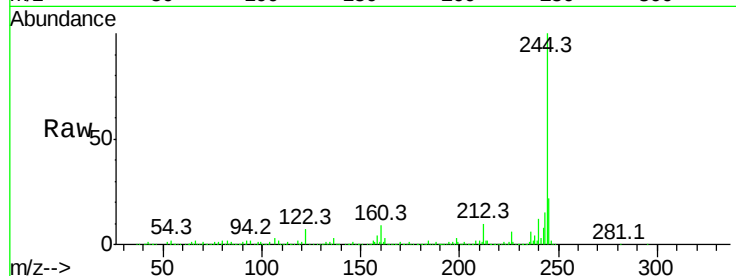
Tot Ion:244 Resp: 1633853

Ion Ratio Lower Upper

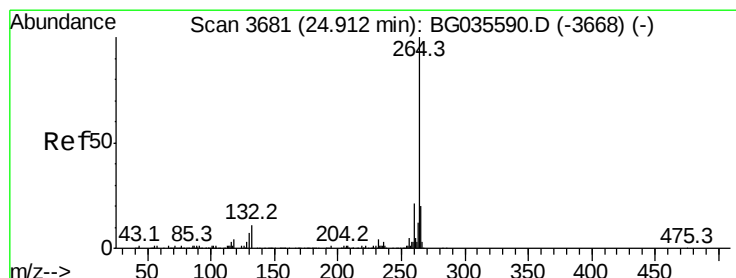
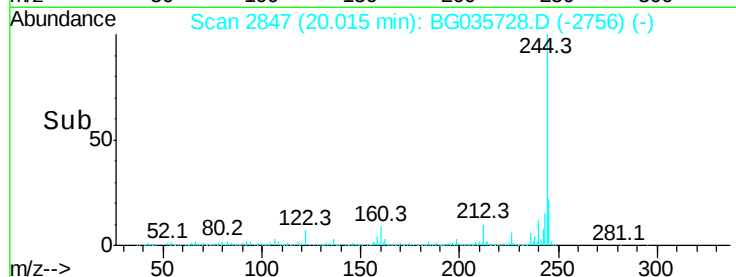
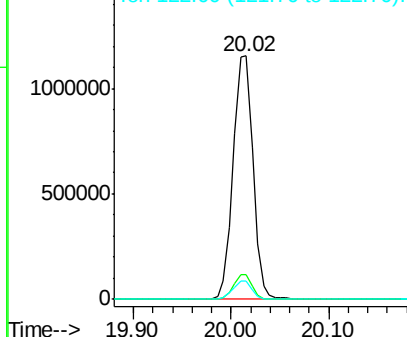
244 100

212 10.1 5.8 8.8#

122 7.4 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: 24.88 min Scan# 3675

Delta R.T. -0.00 min

Lab File: BG035728.D

Acq: 18 Jul 2018 22:09

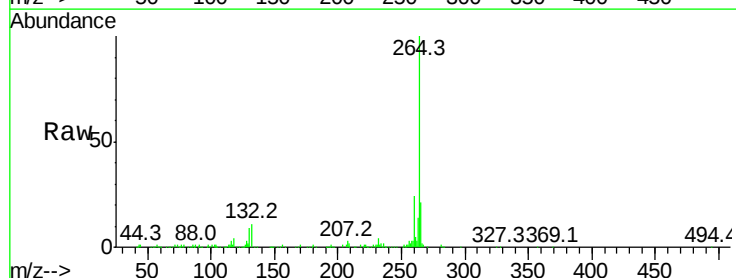
Tgt Ion:264 Resp: 333783

Ion Ratio Lower Upper

264 100

260 23.6 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

