

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071918\
 Data File : BG035768.D
 Acq On : 20 Jul 2018 3:16
 Operator : JU/SJ
 Sample : J4035-18
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 5-B

Quant Time: Jul 20 05:53:06 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

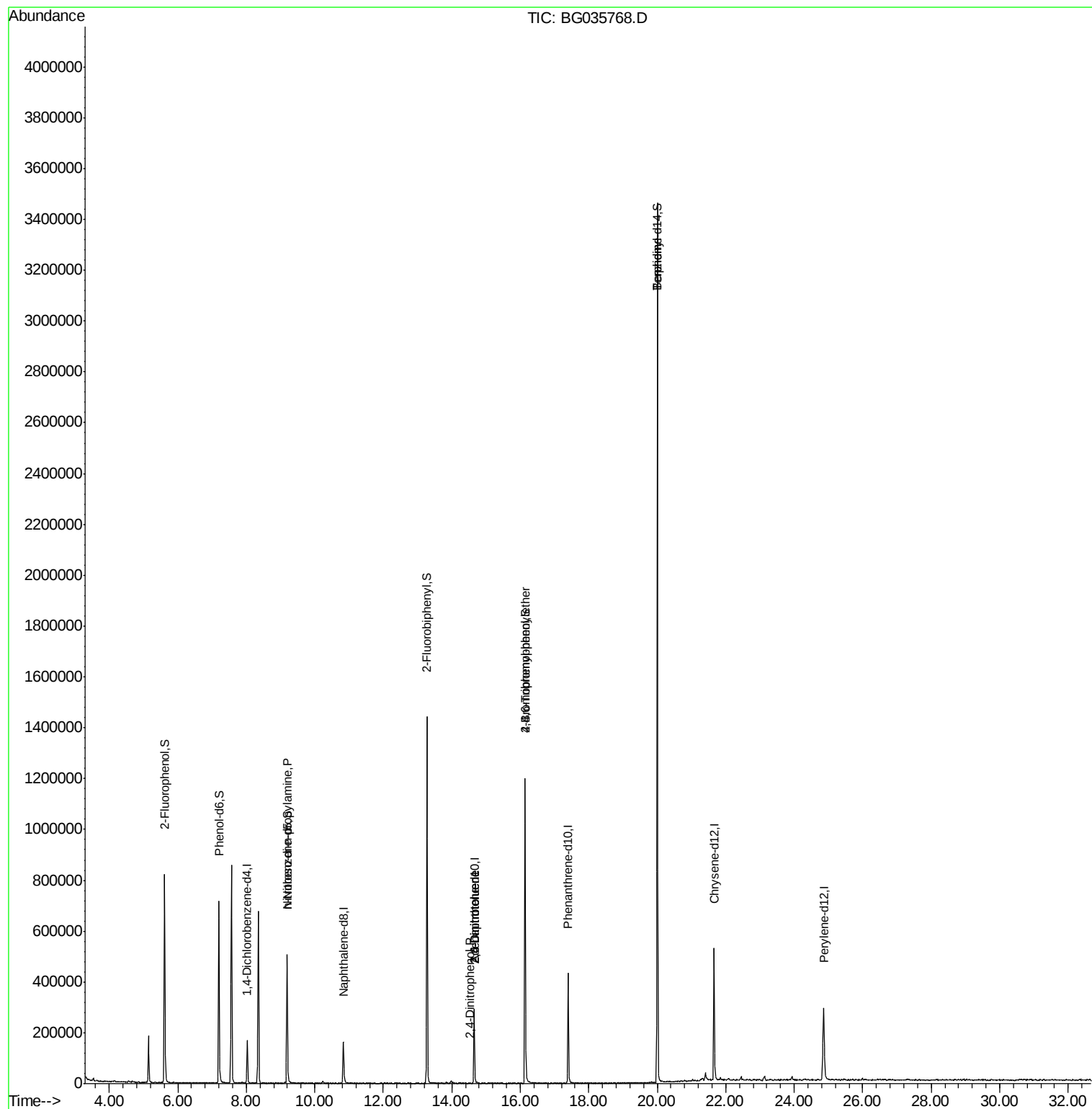
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	48236	20.00	ng	-0.01
21) Naphthalene-d8	10.84	136	158670	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	110638	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	298170	20.00	ng	0.00
75) Chrysene-d12	21.66	240	354317	20.00	ng	-0.02
86) Perylene-d12	24.86	264	333849	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	359541	123.75	ng	0.00
7) Phenol-d6	7.20	99	450988	104.04	ng	0.00
23) Nitrobenzene-d5	9.19	82	357742	94.19	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	220642	151.30	ng	-0.01
44) 2-Fluorobiphenyl	13.27	172	798609	96.71	ng	-0.01
78) Terphenyl-d14	20.01	244	1663175	103.47	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	47120	12.909	ng	# 69
50) 2,6-Dinitrotoluene	14.65	165	13850	7.016	ng	# 21
53) 2,4-Dinitrophenol	14.54	184	67	6.643	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	13850	4.891	ng	# 19
66) 4-Bromophenyl-phenylether	16.14	248	18262	5.279	ng	# 1
76) Benzidine	20.00	184	29528	3.170	ng	# 93

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

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
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5-B

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
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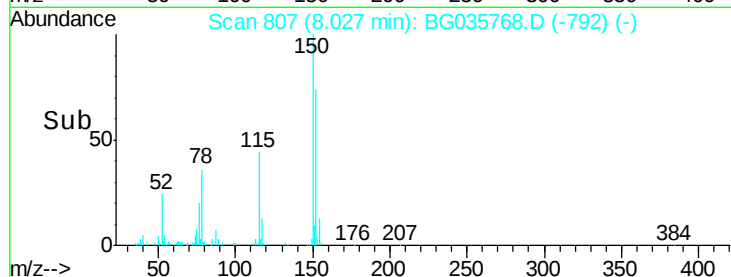
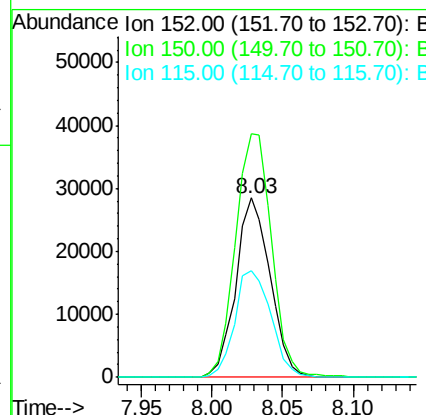
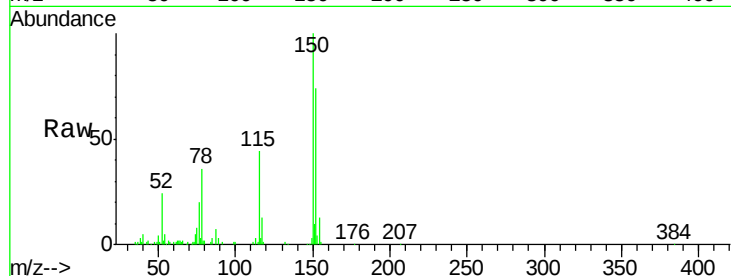


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. -0.01 min
Lab File: BG035768.D
Acq: 20 Jul 2018 3:16

Instrument :
BNA_G
ClientSampled :
5-B

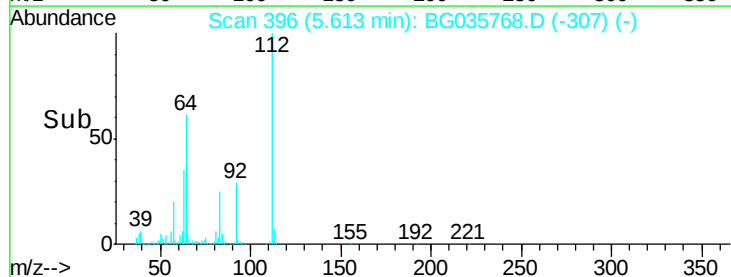
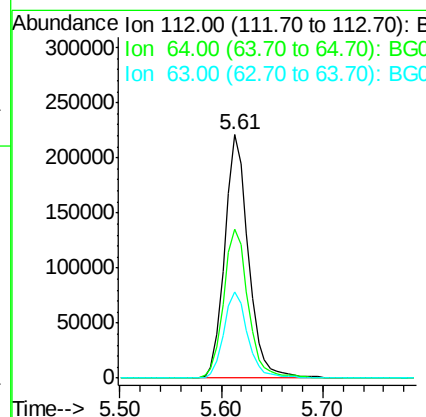
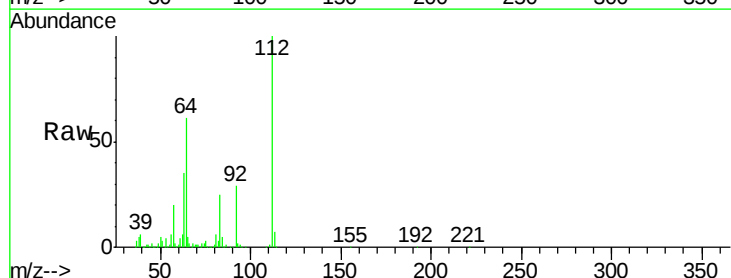
Tgt Ion:152 Resp: 48236
Ion Ratio Lower Upper
152 100
150 135.6 126.6 189.8
115 59.7 53.0 79.4

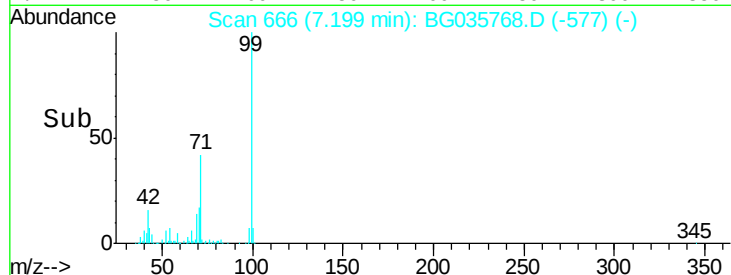
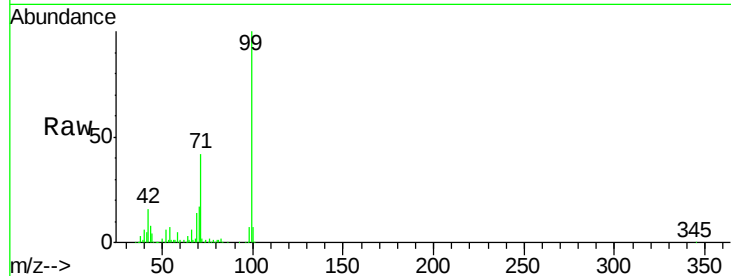


#5

2-Fluorophenol
Concen: 123.750 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.01 min
Lab File: BG035768.D
Acq: 20 Jul 2018 3:16

Tgt Ion:112 Resp: 359541
Ion Ratio Lower Upper
112 100
64 61.1 56.3 84.5
63 35.3 30.1 45.1





#7

Phenol-d6

Concen: 104.039 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG035768.D

Acq: 20 Jul 2018 3:16

Instrument :

BNA_G

ClientSampleId :

5-B

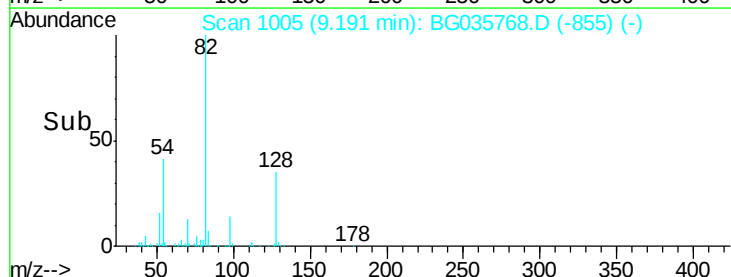
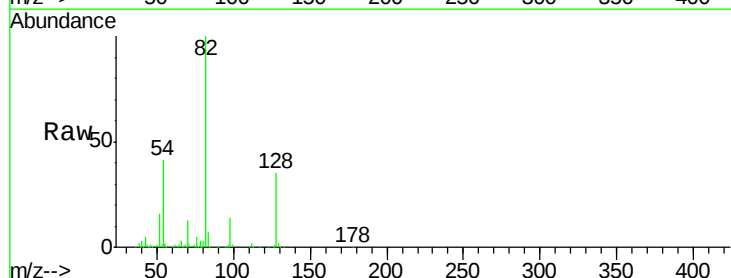
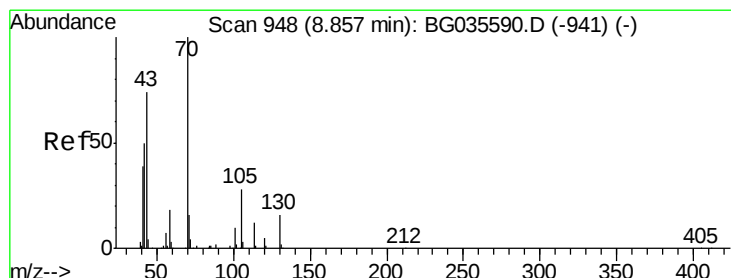
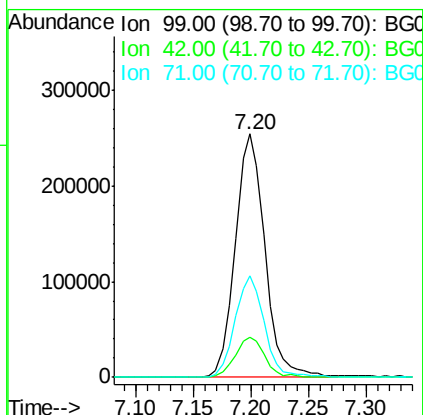
Tgt Ion: 99 Resp: 450988

Ion Ratio Lower Upper

99 100

42 16.2 14.1 21.1

71 41.7 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 12.909 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.35 min

Lab File: BG035768.D

Acq: 20 Jul 2018 3:16

Tgt Ion: 70 Resp: 47120

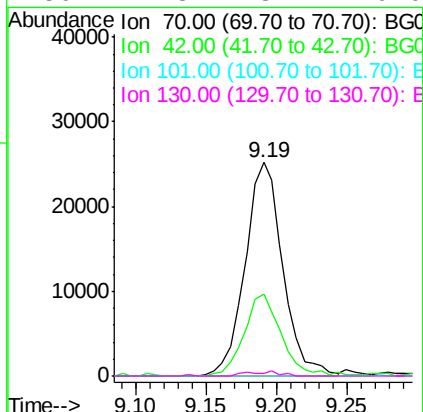
Ion Ratio Lower Upper

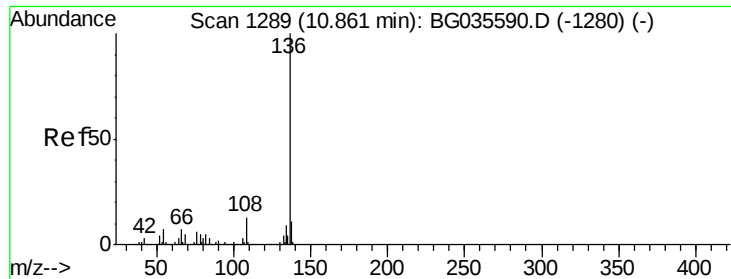
70 100

42 38.4 49.1 73.7#

101 0.0 8.5 12.7#

130 1.3 13.4 20.0#

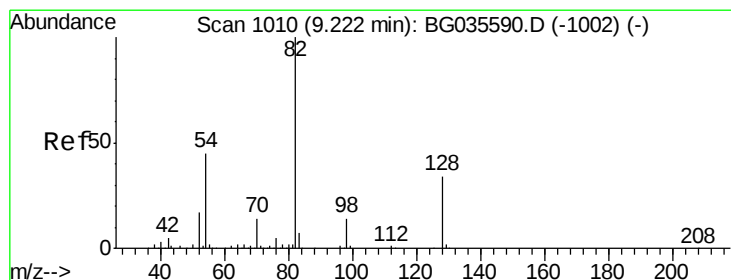
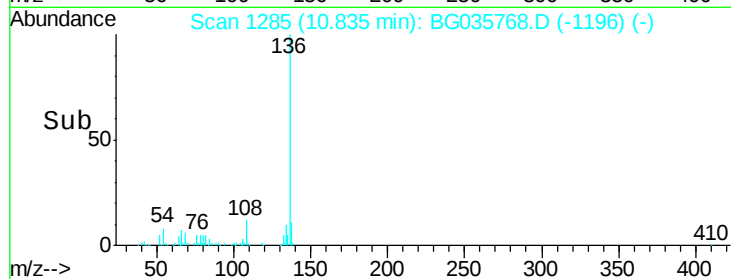
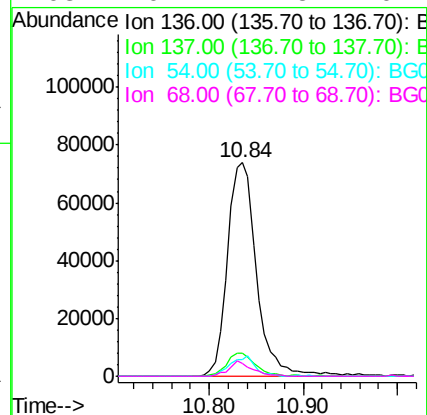
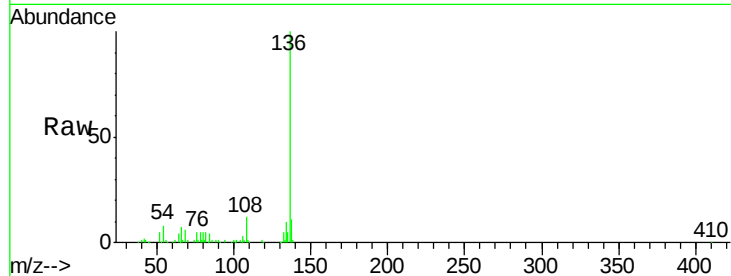




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BG035768.D
Acq: 20 Jul 2018 3:16

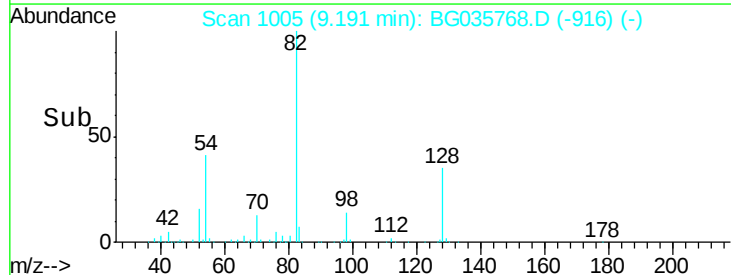
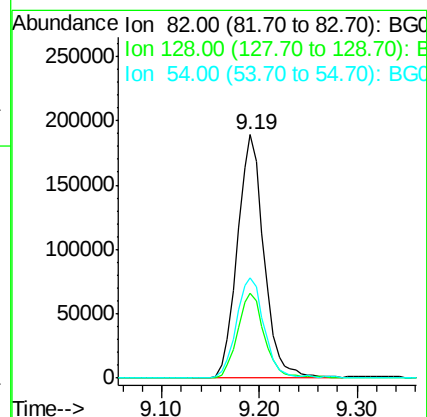
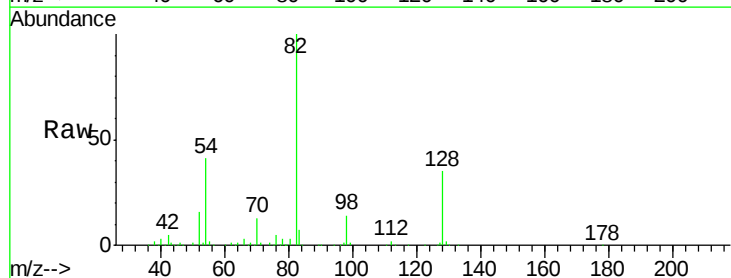
Instrument :
BNA_G
ClientSampleId :
5-B

Tgt Ion:	136	Resp:	158670
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	8.1	10.3	15.5#
68	6.1	4.5	6.7



#23
Nitrobenzene-d5
Concen: 94.187 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BG035768.D
Acq: 20 Jul 2018 3:16

Tgt Ion:	82	Resp:	357742
Ion	Ratio	Lower	Upper
82	100		
128	34.7	29.7	44.5
54	41.4	43.1	64.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1935

Delta R.T. -0.01 min

Lab File: BG035768.D

Acq: 20 Jul 2018 3:16

Instrument :

BNA_G

ClientSampleId :

5-B

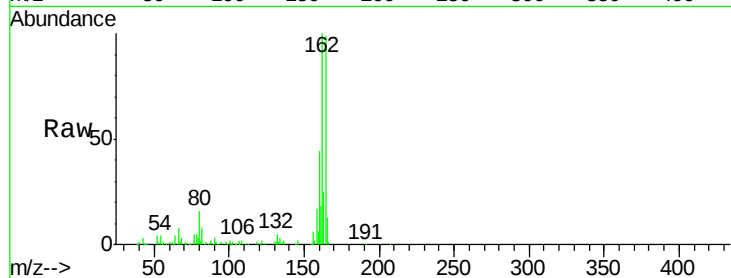
Tgt Ion:164 Resp: 110638

Ion Ratio Lower Upper

164 100

162 100.6 78.8 118.2

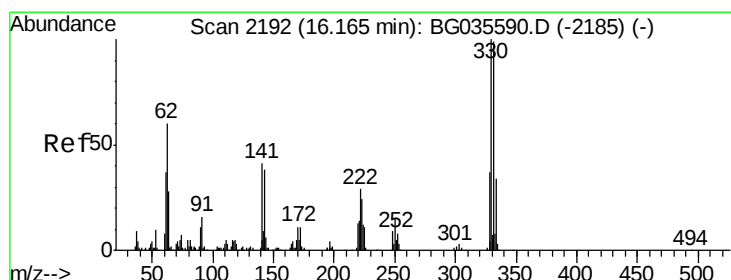
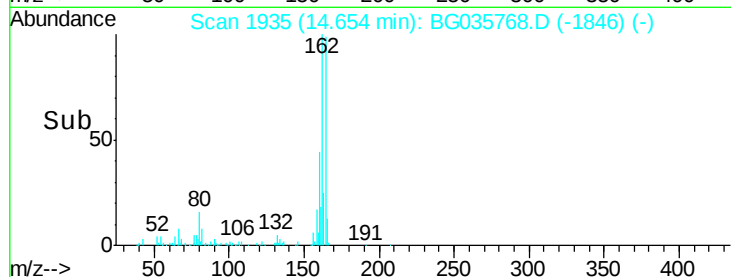
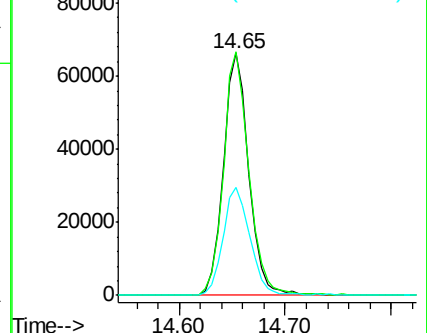
160 44.6 35.4 53.0



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: 151.303 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.01 min

Lab File: BG035768.D

Acq: 20 Jul 2018 3:16

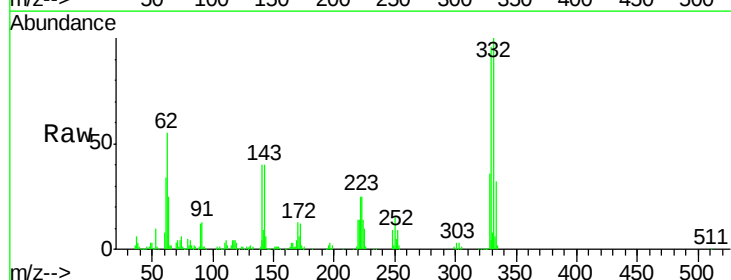
Tgt Ion:330 Resp: 220642

Ion Ratio Lower Upper

330 100

332 98.4 77.0 115.6

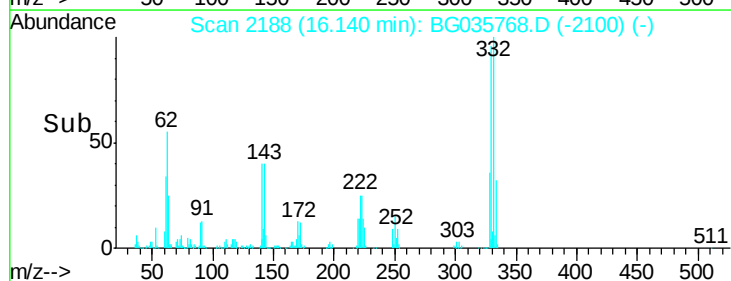
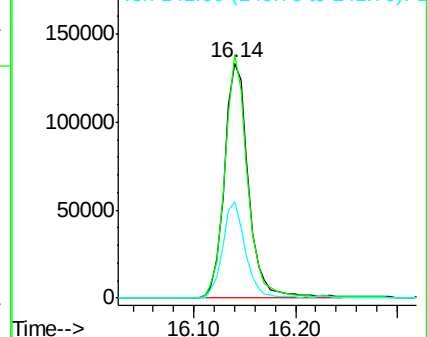
141 38.9 25.2 37.8#

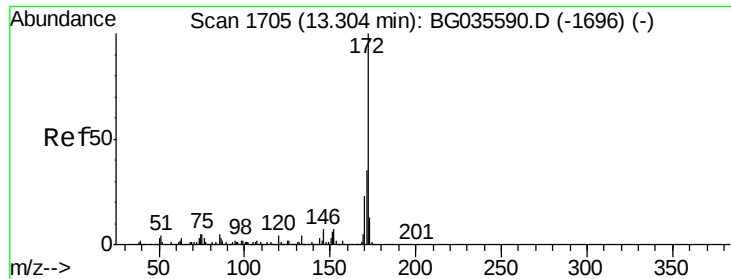


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 96.705 ng

RT: 13.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: BG035768.D

Acq: 20 Jul 2018 3:16

Instrument :

BNA_G

ClientSampleId :

5-B

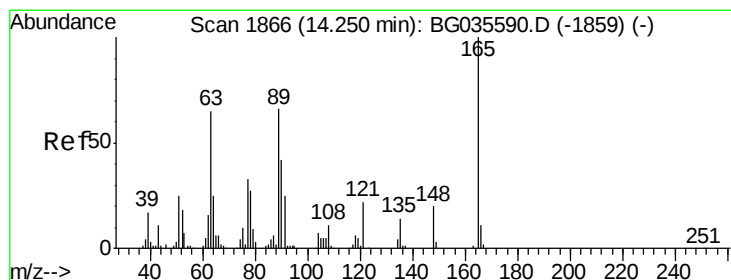
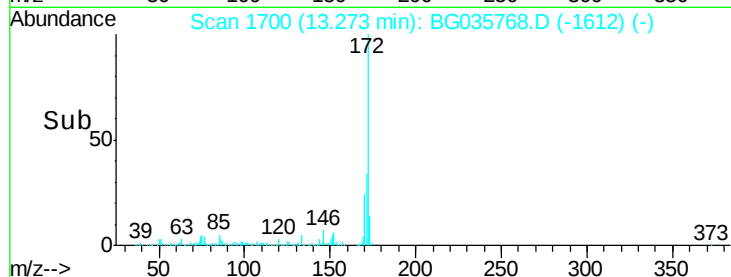
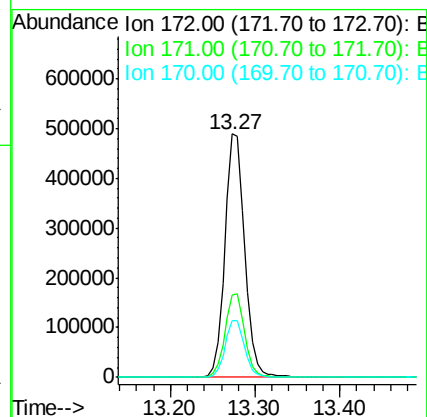
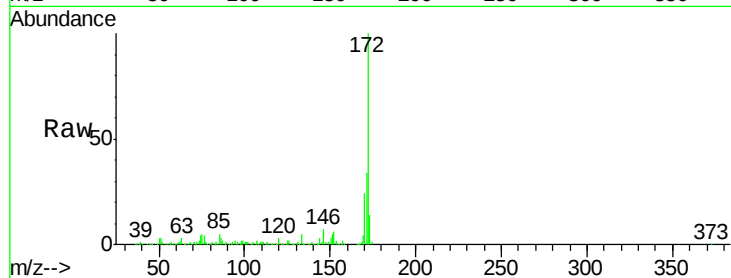
Tgt Ion:172 Resp: 798609

Ion Ratio Lower Upper

172 100

171 34.0 30.0 45.0

170 23.5 19.5 29.3



#50

2,6-Dinitrotoluene

Concen: 7.016 ng

RT: 14.65 min Scan# 1935

Delta R.T. 0.42 min

Lab File: BG035768.D

Acq: 20 Jul 2018 3:16

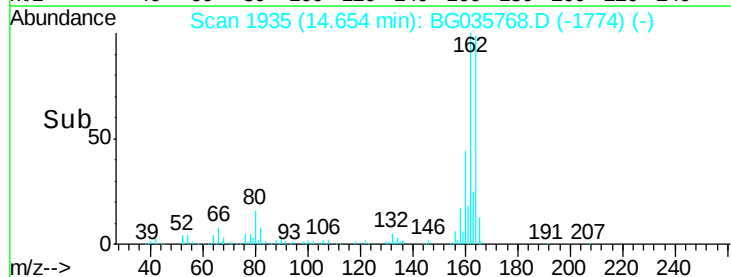
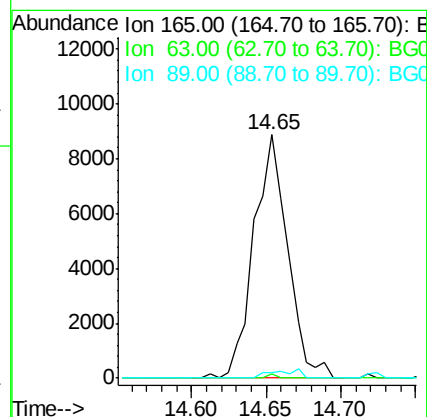
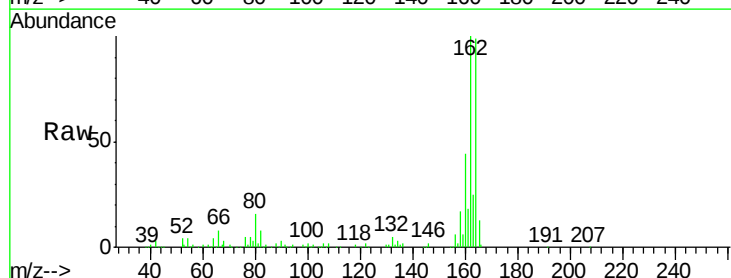
Tgt Ion:165 Resp: 13850

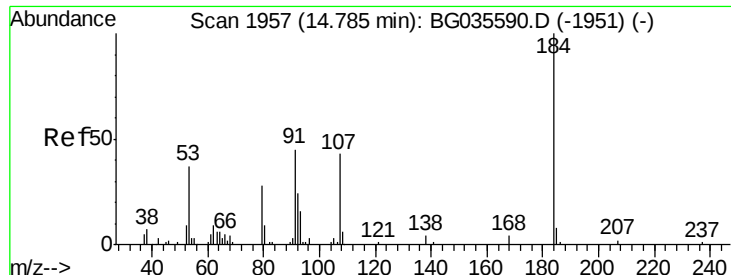
Ion Ratio Lower Upper

165 100

63 1.9 52.7 79.1#

89 2.3 49.2 73.8#





#53

2,4-Dinitrophenol

Concen: 6.643 ng

RT: 14.54 min Scan# 1915

Delta R.T. -0.27 min

Lab File: BG035768.D

Acq: 20 Jul 2018 3:16

Instrument :

BNA_G

ClientSampleId :

5-B

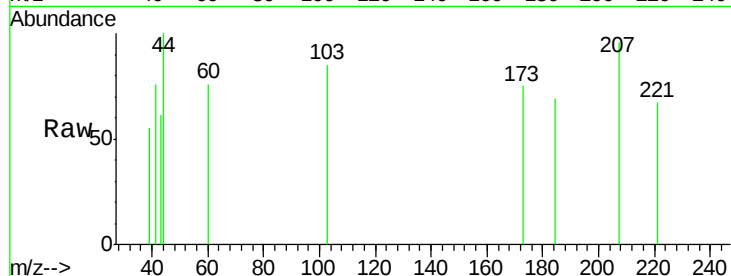
Tgt Ion:184 Resp: 67

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

154 0.0 101.8 152.8#



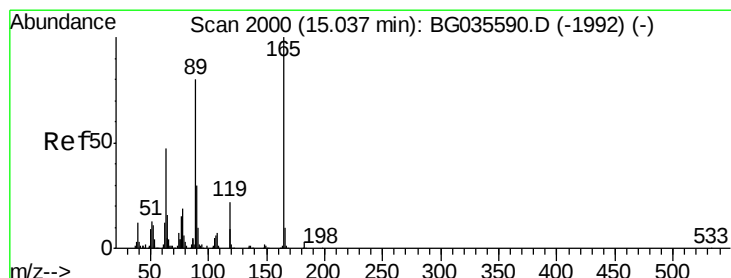
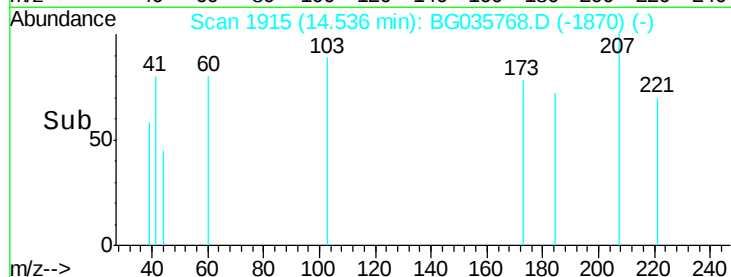
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

14.54

Time-->



#56

2,4-Dinitrotoluene

Concen: 4.891 ng

RT: 14.65 min Scan# 1935

Delta R.T. -0.37 min

Lab File: BG035768.D

Acq: 20 Jul 2018 3:16

Tgt Ion:165 Resp: 13850

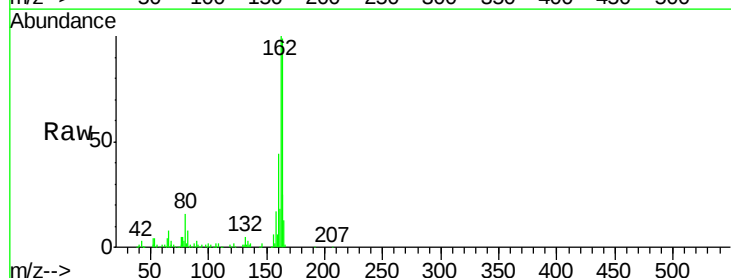
Ion Ratio Lower Upper

165 100

63 1.9 42.0 63.0#

89 2.3 66.9 100.3#

182 0.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E

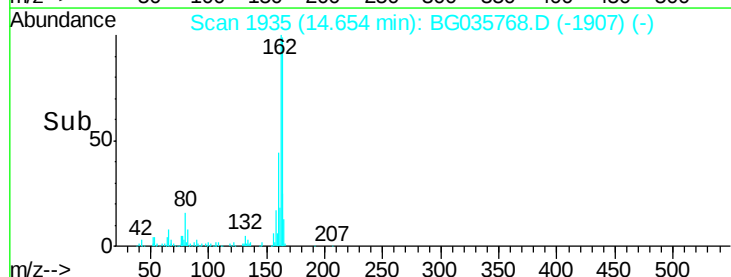
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

14.65

Time-->

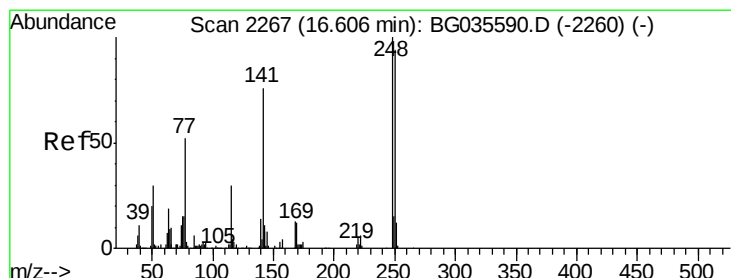
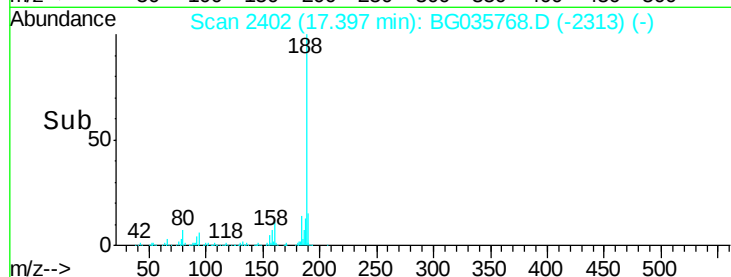
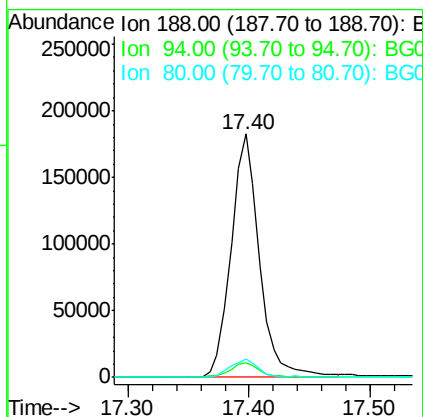
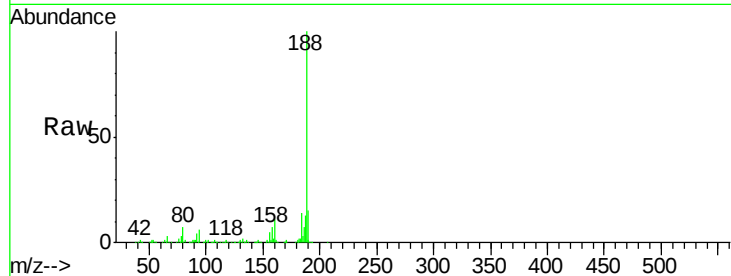




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2402
Delta R.T. -0.01 min
Lab File: BG035768.D
Acq: 20 Jul 2018 3:16

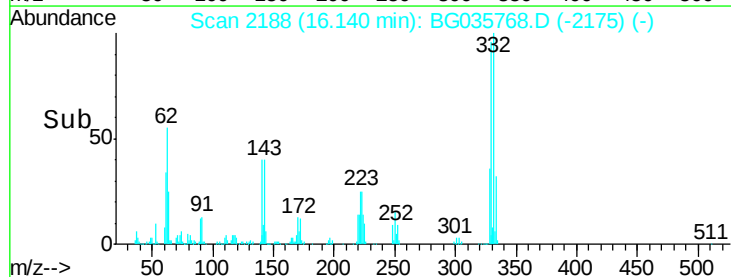
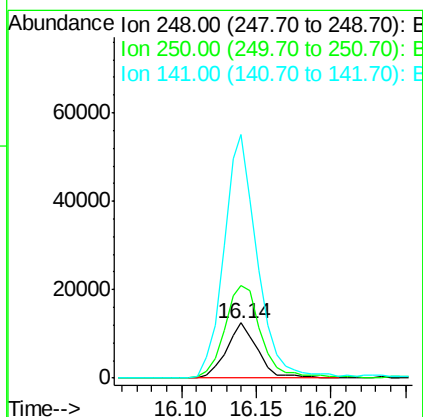
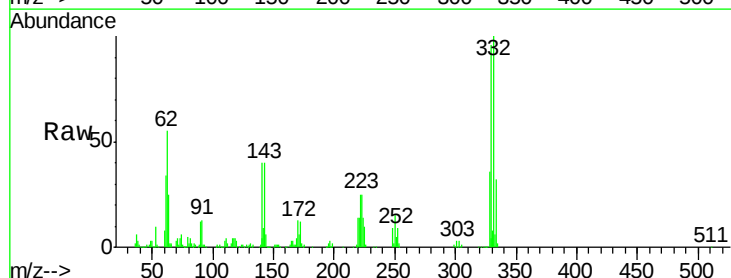
Instrument :
BNA_G
ClientSampleId :
5-B

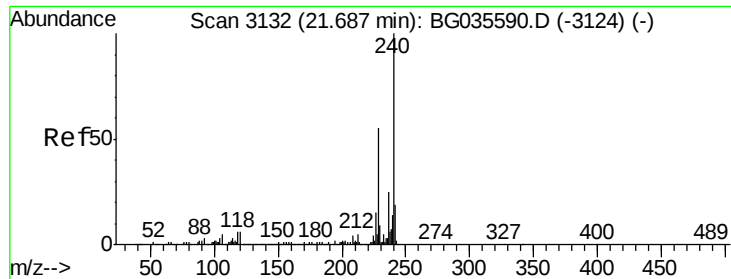
Tgt Ion:188 Resp: 298170
Ion Ratio Lower Upper
188 100
94 6.1 6.9 10.3#
80 7.4 7.7 11.5#



#66
4-Bromophenyl-phenylether
Concen: 5.279 ng
RT: 16.14 min Scan# 2188
Delta R.T. -0.45 min
Lab File: BG035768.D
Acq: 20 Jul 2018 3:16

Tgt Ion:248 Resp: 18262
Ion Ratio Lower Upper
248 100
250 166.2 77.1 115.7#
141 439.4 50.8 76.2#

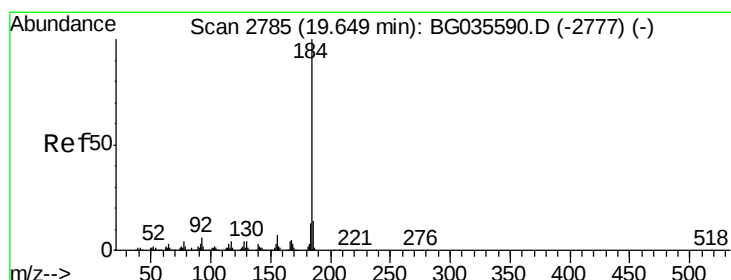
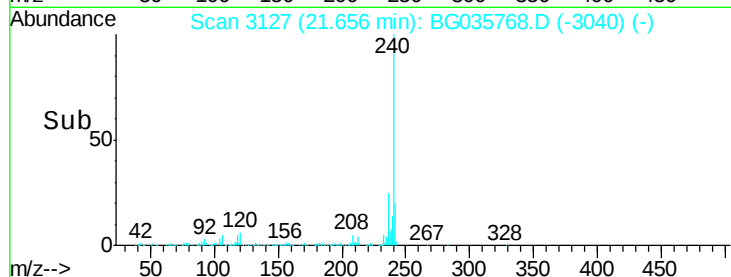
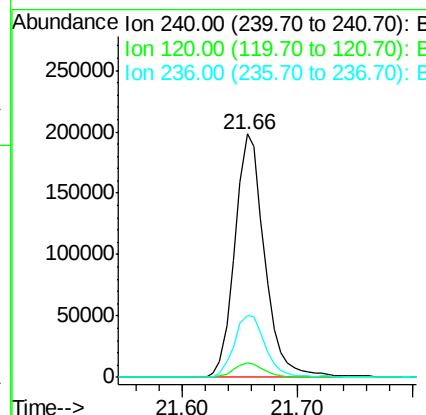
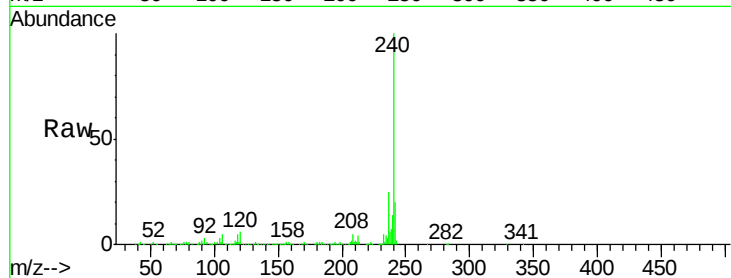




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3127
Delta R.T. -0.02 min
Lab File: BG035768.D
Acq: 20 Jul 2018 3:16

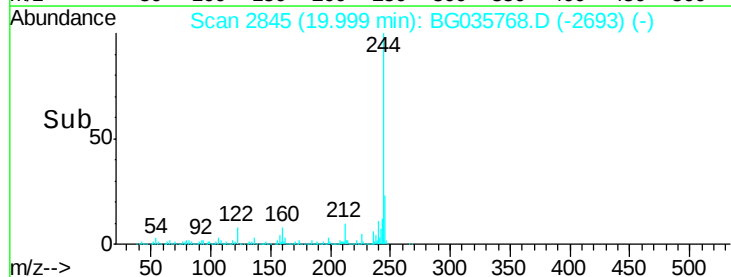
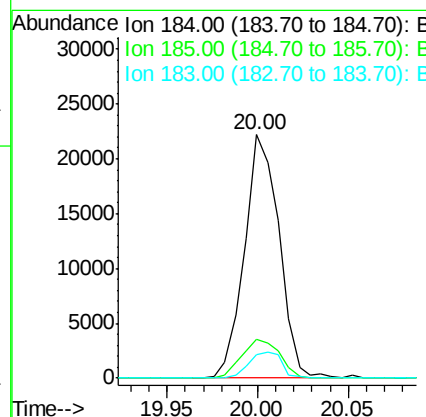
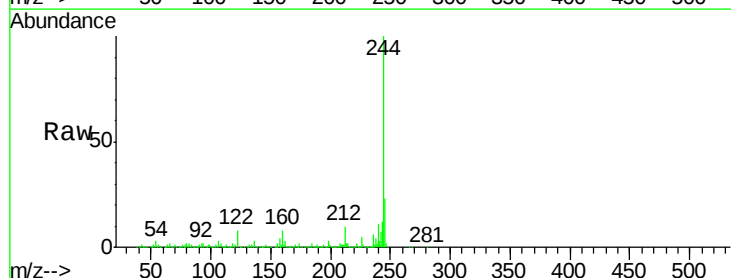
Instrument :
BNA_G
ClientSampleId :
5-B

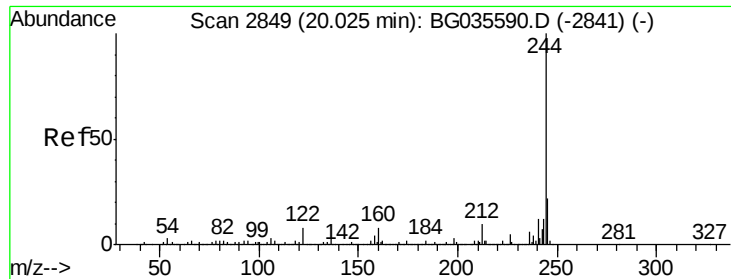
Tgt Ion:240 Resp: 354317
Ion Ratio Lower Upper
240 100
120 6.1 6.8 10.2#
236 25.3 20.9 31.3



#76
Benzidine
Concen: 3.170 ng
RT: 20.00 min Scan# 2845
Delta R.T. 0.36 min
Lab File: BG035768.D
Acq: 20 Jul 2018 3:16

Tgt Ion:184 Resp: 29528
Ion Ratio Lower Upper
184 100
185 16.2 11.1 16.7
183 9.6 10.6 16.0#





#78

Terphenyl-d14

Concen: 103.471 ng

RT: 20.01 min Scan# 2846

Delta R.T. -0.01 min

Lab File: BG035768.D

Acq: 20 Jul 2018 3:16

Instrument :

BNA_G

ClientSampleId :

5-B

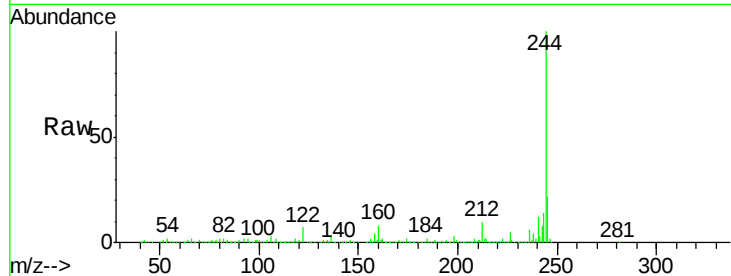
Tgt Ion:244 Resp: 1663175

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

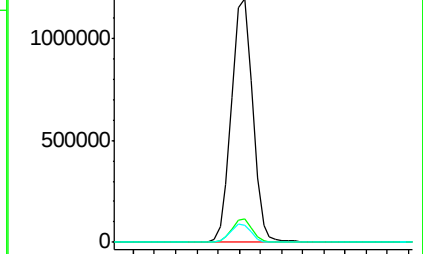
122 7.2 7.0 10.4



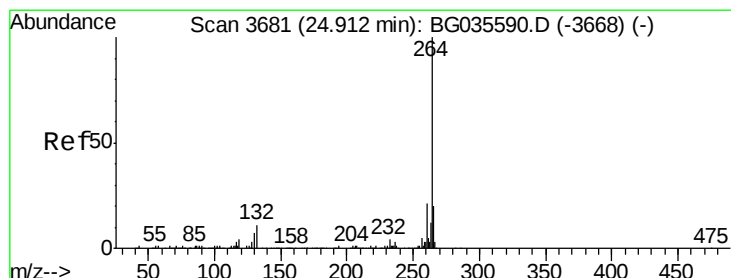
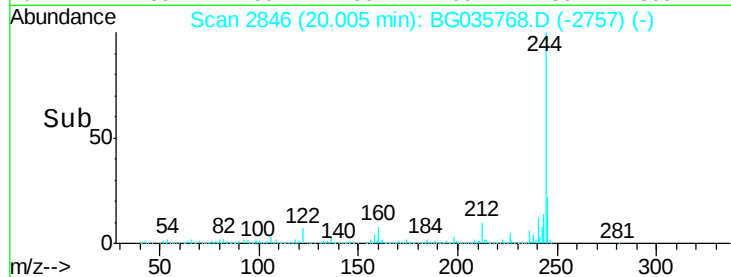
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 19.90 20.00 20.10



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.86 min Scan# 3672

Delta R.T. -0.02 min

Lab File: BG035768.D

Acq: 20 Jul 2018 3:16

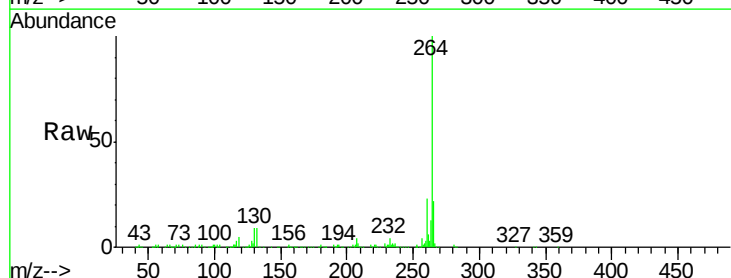
Tgt Ion:264 Resp: 333849

Ion Ratio Lower Upper

264 100

260 23.1 17.4 26.0

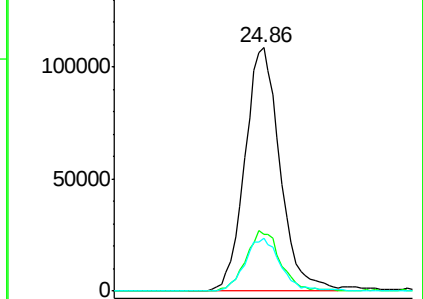
265 21.6 17.7 26.5



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



Time--> 24.70 24.80 24.90 25.00

