

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071818\
 Data File : BG035725.D
 Acq On : 18 Jul 2018 20:12
 Operator : JU/SJ
 Sample : J4012-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 19 02:03:22 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

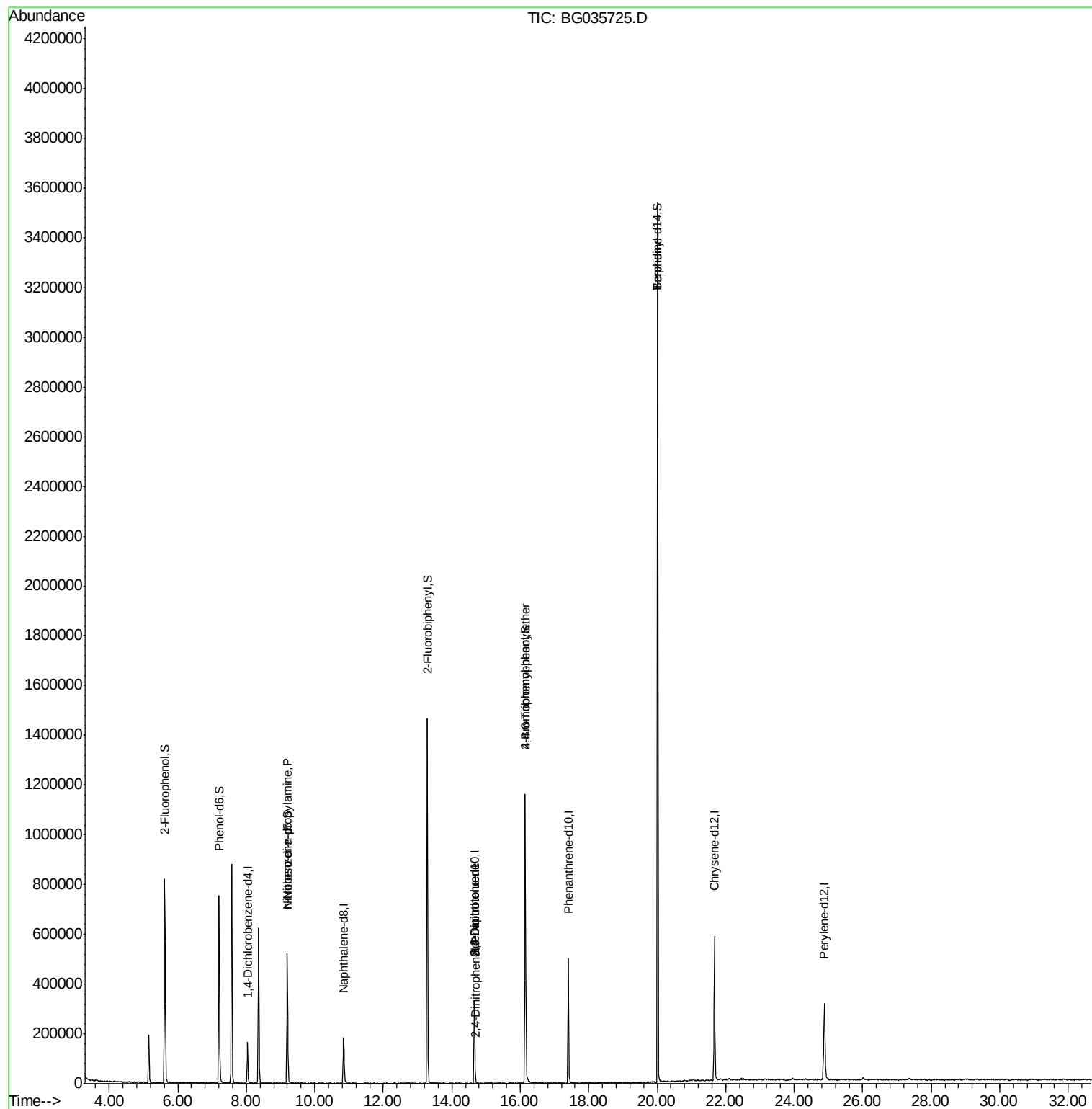
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	48392	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	168283	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	119563	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	331663	20.00	ng	0.00
75) Chrysene-d12	21.67	240	378041	20.00	ng	0.00
86) Perylene-d12	24.88	264	356363	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	359962	123.50	ng	0.00
7) Phenol-d6	7.21	99	467285	107.45	ng	0.00
23) Nitrobenzene-d5	9.20	82	370572	91.99	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	228137	144.76	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	803872	90.08	ng	0.00
78) Terphenyl-d14	20.01	244	1611138	93.94	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	51852	14.159	ng	# 66
50) 2,6-Dinitrotoluene	14.66	165	17548	8.226	ng	# 22
53) 2,4-Dinitrophenol	14.71	184	54	6.627	ng	# 55
56) 2,4-Dinitrotoluene	14.66	165	17548	5.734	ng	# 20
66) 4-Bromophenyl-phenylether	16.15	248	20549	5.340	ng	# 1
76) Benzidine	20.01	184	28881	2.906	ng	# 90

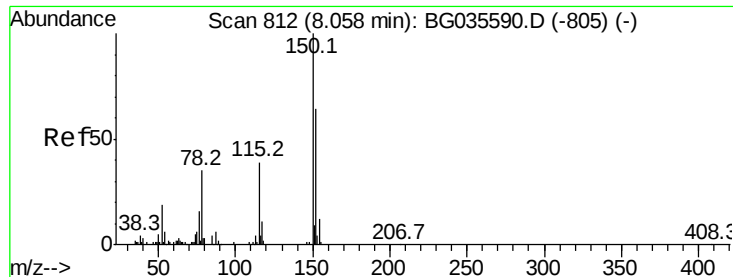
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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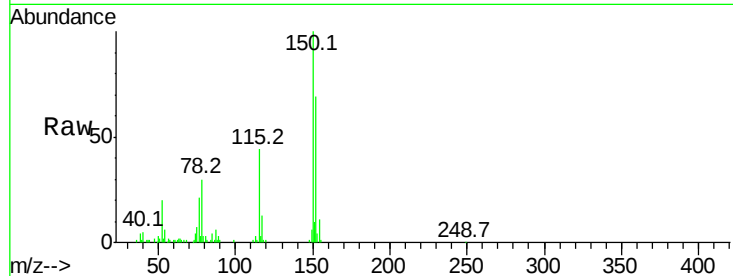


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.00 min
Lab File: BG035725.D
Acq: 18 Jul 2018 20:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	144.3	126.6	189.8
115	64.1	53.0	79.4

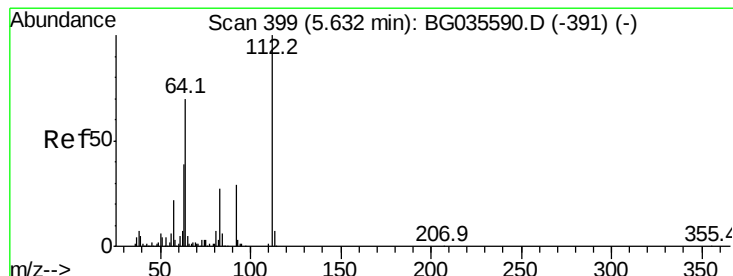
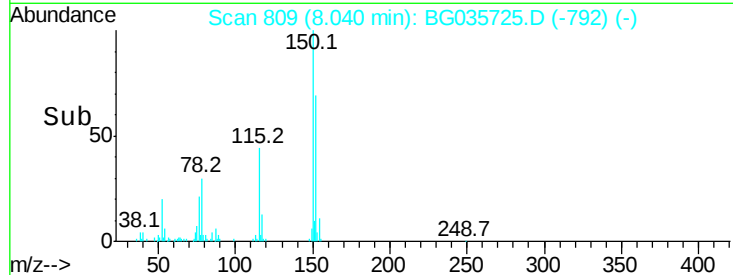
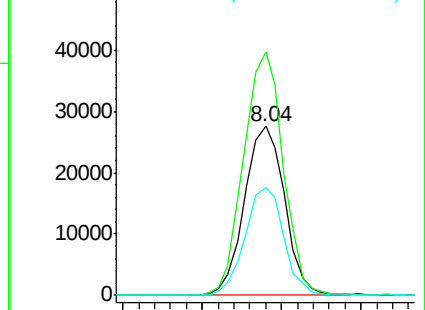


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

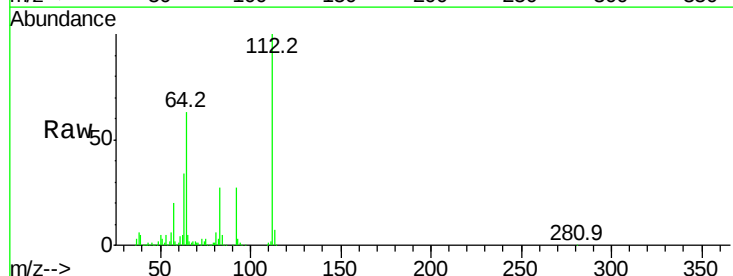
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 123.496 ng
RT: 5.63 min Scan# 398
Delta R.T. 0.01 min
Lab File: BG035725.D
Acq: 18 Jul 2018 20:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	56.3	84.5
63	33.7	30.1	45.1

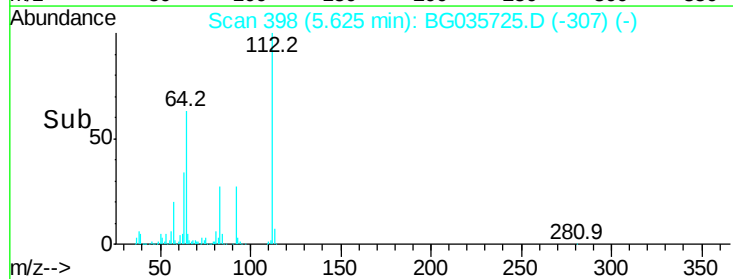
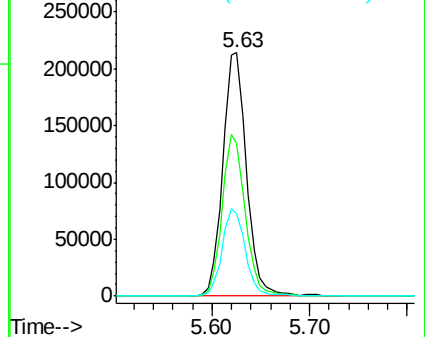


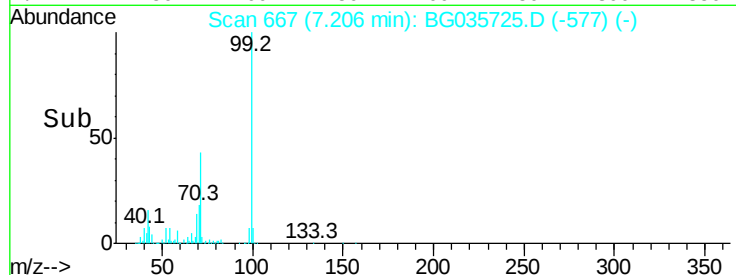
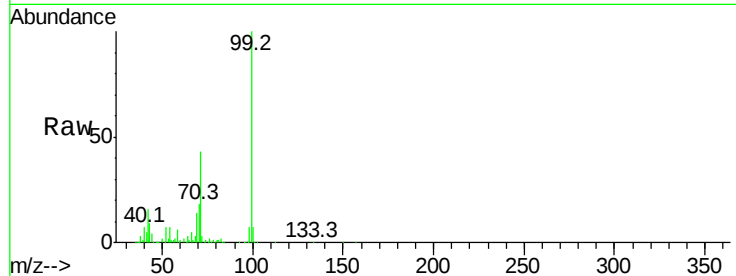
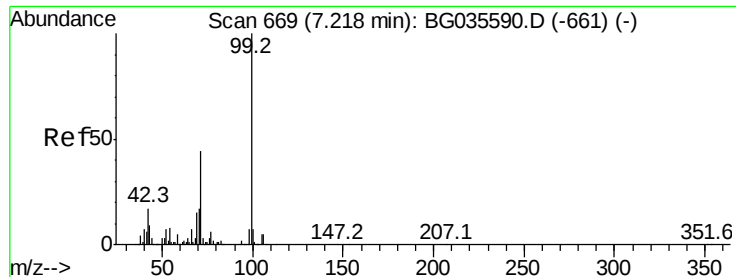
Abundance

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: 107.451 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.00 min

Lab File: BG035725.D

Acq: 18 Jul 2018 20:12

Instrument :

BNA_G

ClientSampleId :

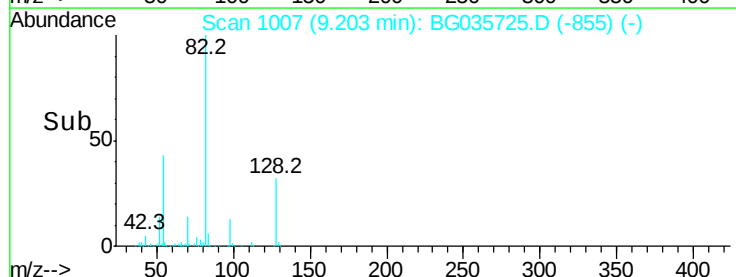
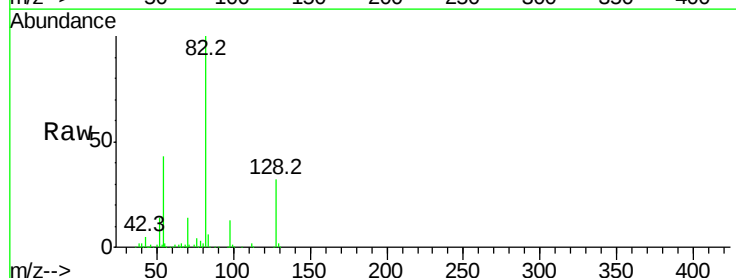
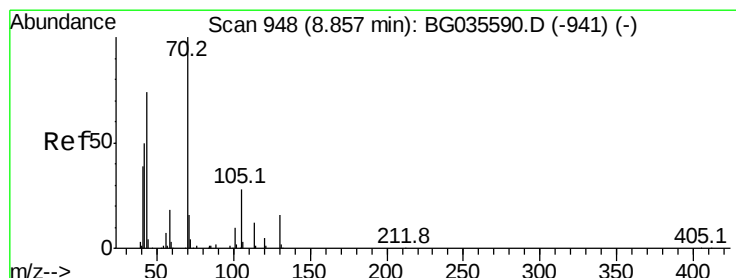
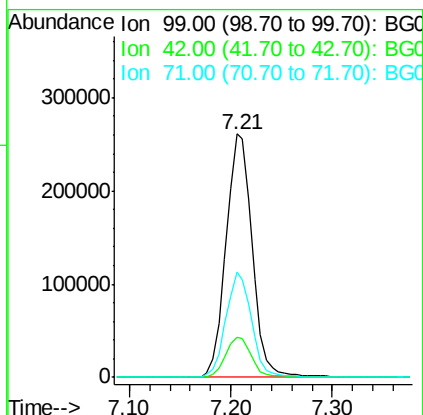
Tot Ion: 99 Resp: 467285

Ion Ratio Lower Upper

99 100

42 16.3 14.1 21.1

71 43.0 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 14.159 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.36 min

Lab File: BG035725.D

Acq: 18 Jul 2018 20:12

Tgt Ion: 70 Resp: 51852

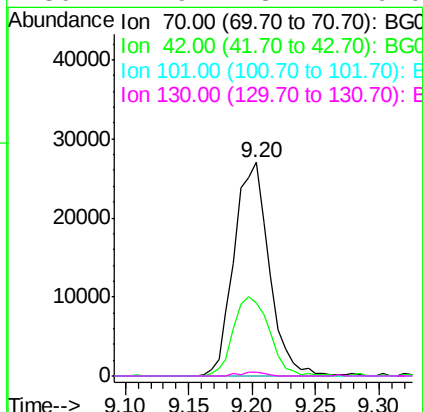
Ion Ratio Lower Upper

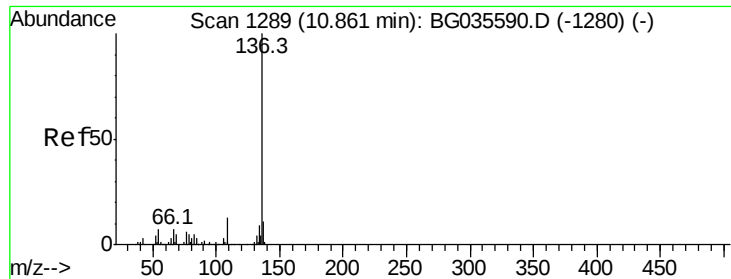
70 100

42 34.3 49.1 73.7#

101 0.0 8.5 12.7#

130 1.9 13.4 20.0#

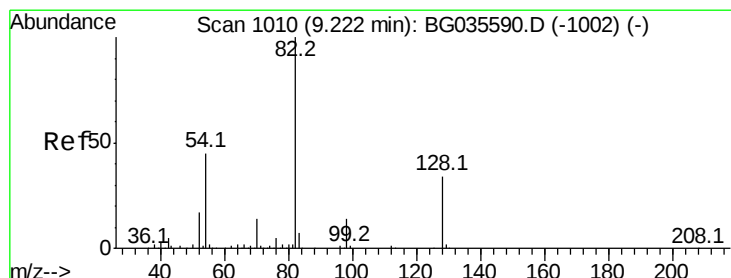
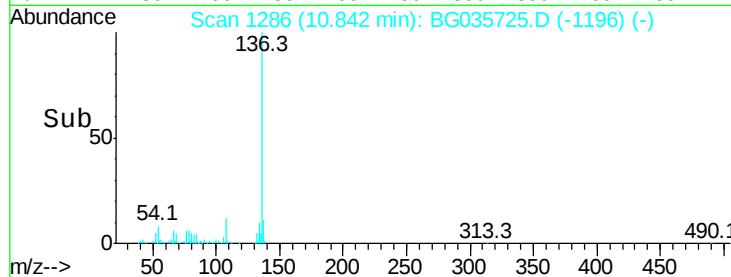
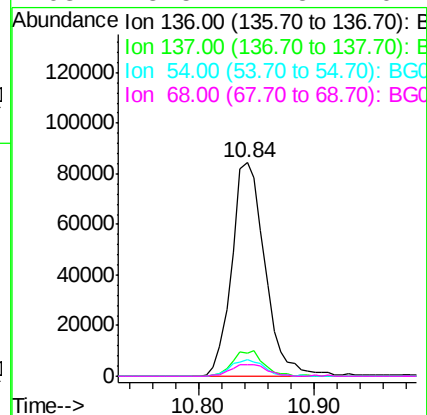
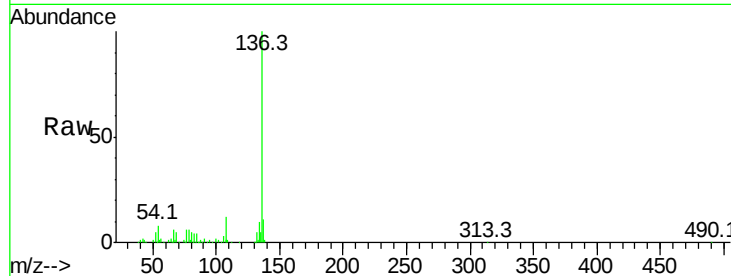




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BG035725.D
Acq: 18 Jul 2018 20:12

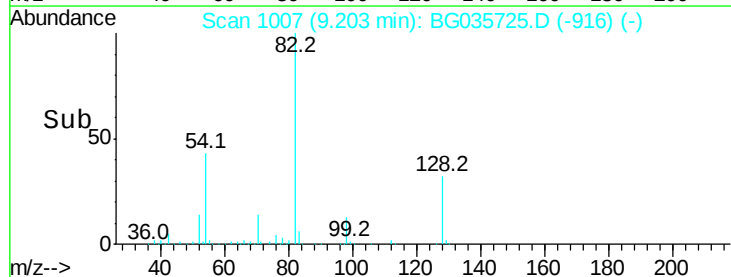
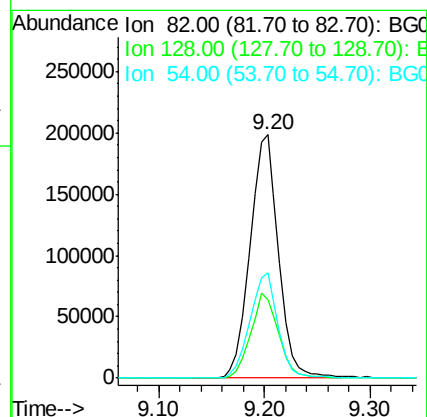
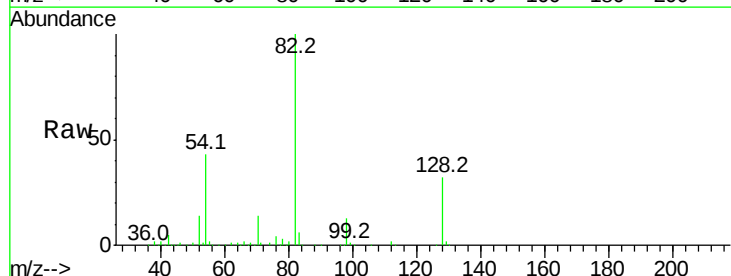
Instrument :
BNA_G
ClientSampleId :

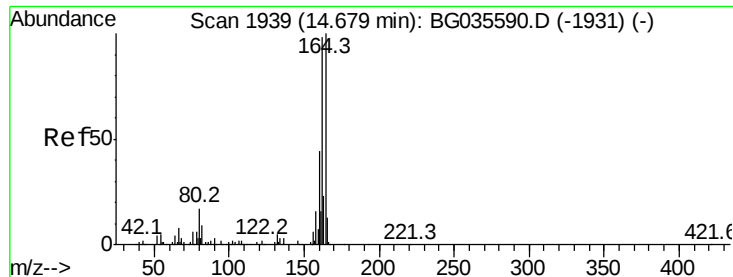
Tot Ion:	136	Resp:	168283
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.6	10.3	15.5#
68	5.5	4.5	6.7



#23
Nitrobenzene-d5
Concen: 91.991 ng
RT: 9.20 min Scan# 1007
Delta R.T. 0.01 min
Lab File: BG035725.D
Acq: 18 Jul 2018 20:12

Tgt Ion:	82	Resp:	370572
Ion	Ratio	Lower	Upper
82	100		
128	32.3	29.7	44.5
54	43.4	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: BG035725.D

Acq: 18 Jul 2018 20:12

Instrument :

BNA_G

ClientSampleId :

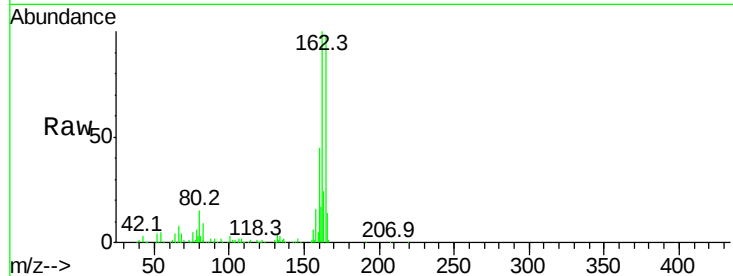
Tot Ion:164 Resp: 119563

Ion Ratio Lower Upper

164 100

162 101.7 78.8 118.2

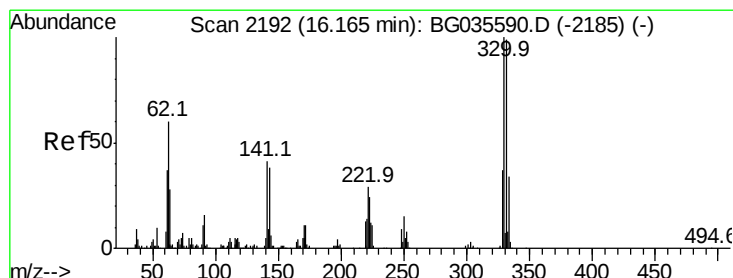
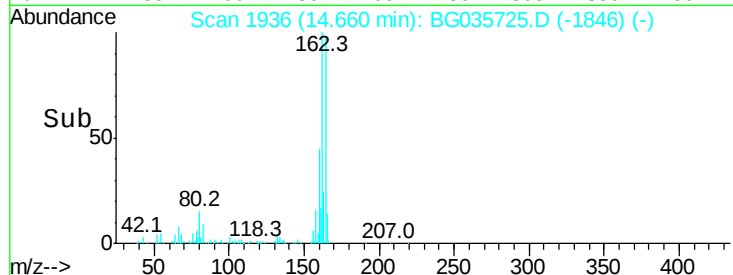
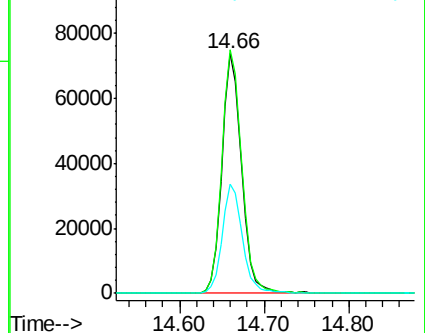
160 45.3 35.4 53.0



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: 144.765 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.00 min

Lab File: BG035725.D

Acq: 18 Jul 2018 20:12

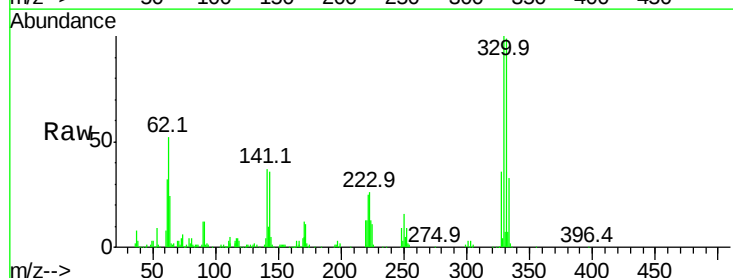
Tgt Ion:330 Resp: 228137

Ion Ratio Lower Upper

330 100

332 95.2 77.0 115.6

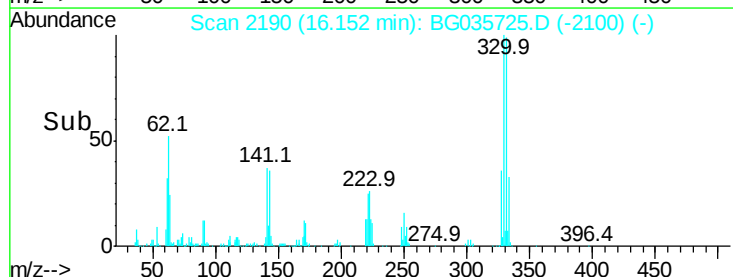
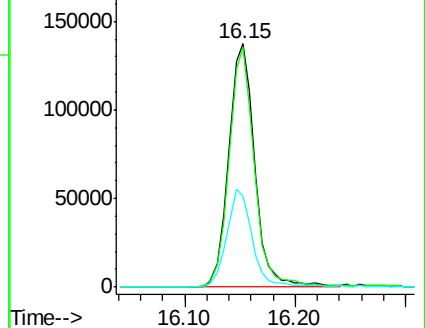
141 38.9 25.2 37.8#

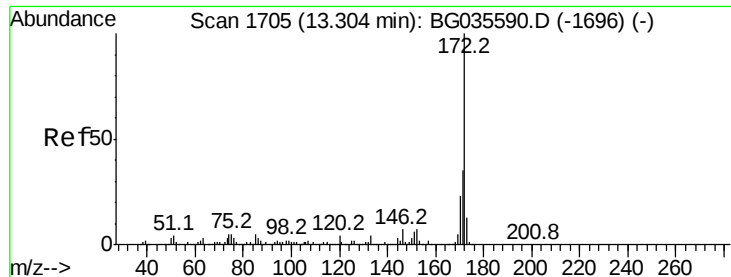


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

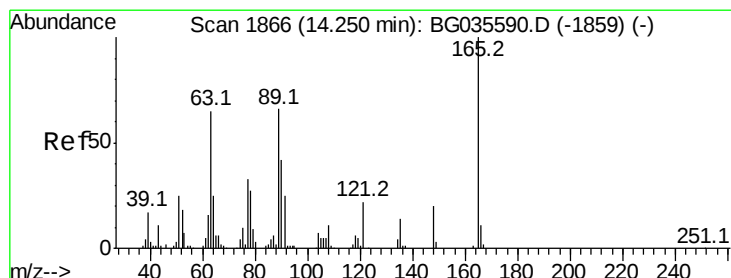
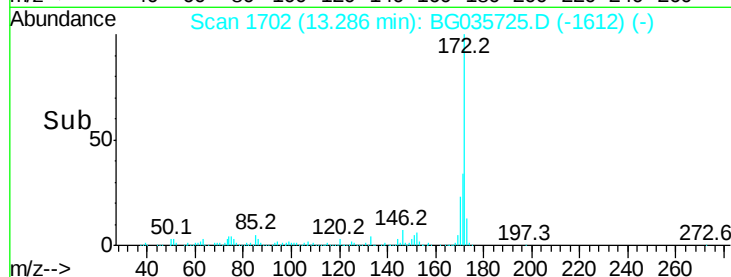
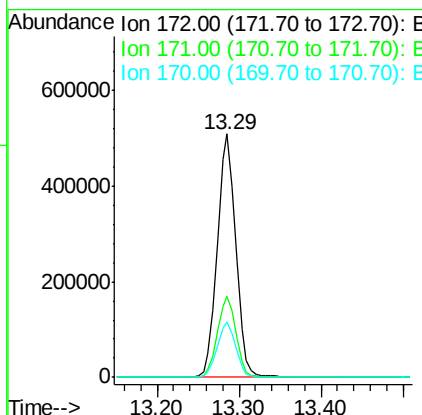
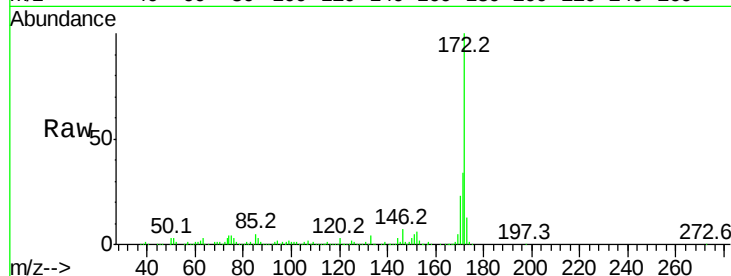




#44
2-Fluorobiphenyl
Concen: 90.076 ng
RT: 13.29 min Scan# 1702
Delta R.T. -0.00 min
Lab File: BG035725.D
Acq: 18 Jul 2018 20:12

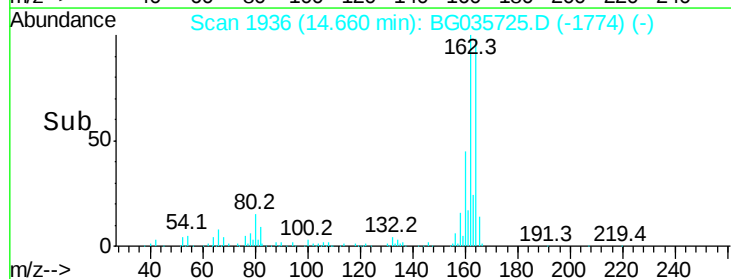
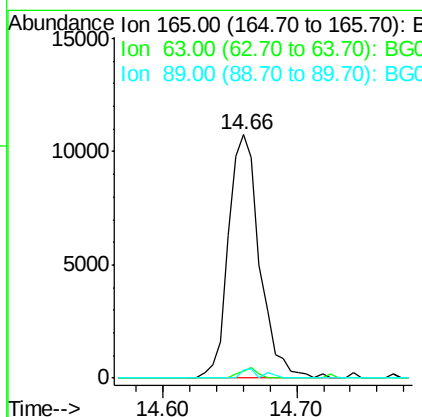
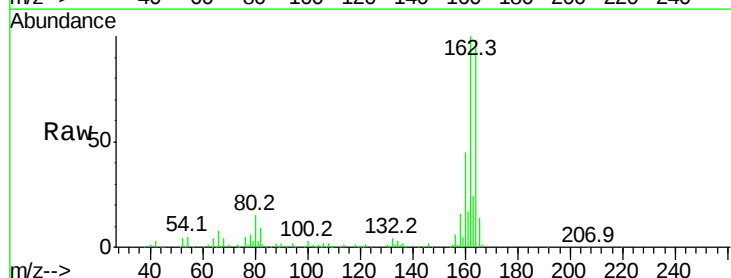
Instrument :
BNA_G
ClientSampleId :

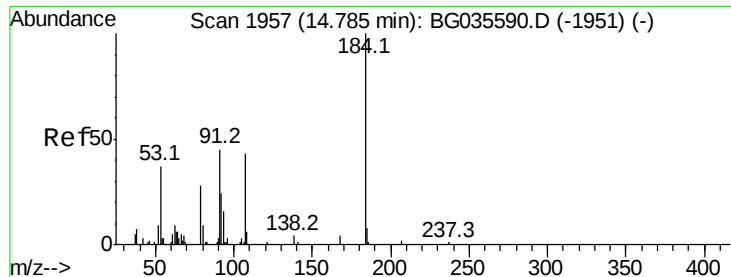
Tot Ion:172 Resp: 803872
Ion Ratio Lower Upper
172 100
171 33.5 30.0 45.0
170 22.7 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 8.226 ng
RT: 14.66 min Scan# 1936
Delta R.T. 0.42 min
Lab File: BG035725.D
Acq: 18 Jul 2018 20:12

Tgt Ion:165 Resp: 17548
Ion Ratio Lower Upper
165 100
63 2.6 52.7 79.1#
89 3.3 49.2 73.8#

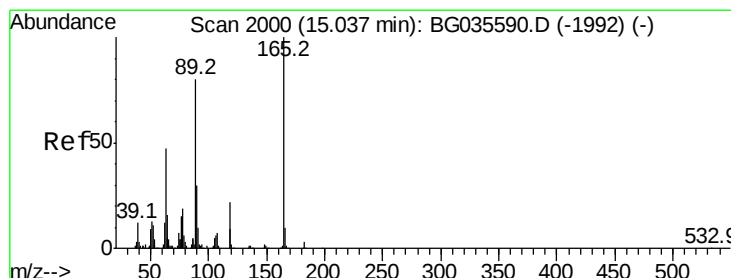
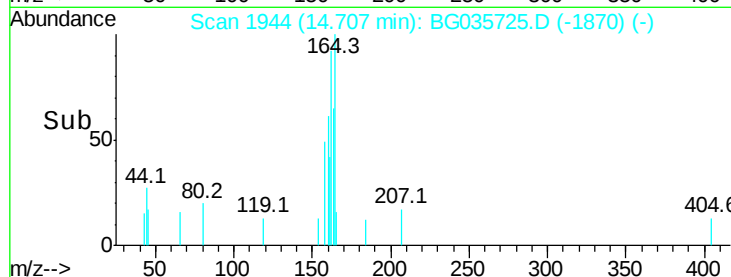
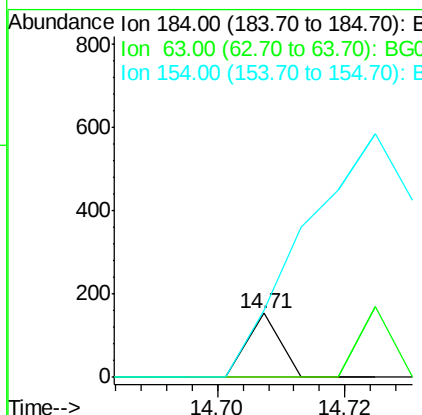
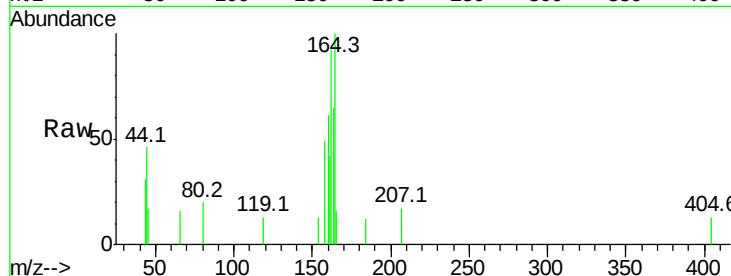




#53
 2,4-Dinitrophenol
 Concen: 6.627 ng
 RT: 14.71 min Scan# 1944
 Delta R.T. -0.09 min
 Lab File: BG035725.D
 Acq: 18 Jul 2018 20:12

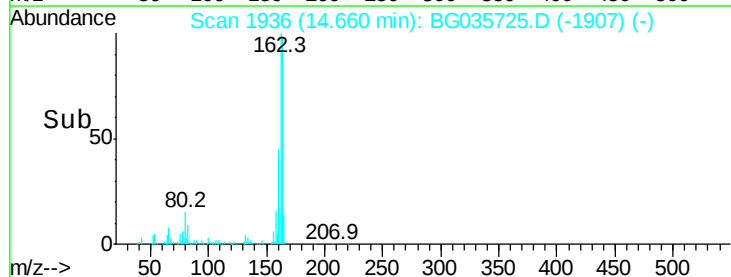
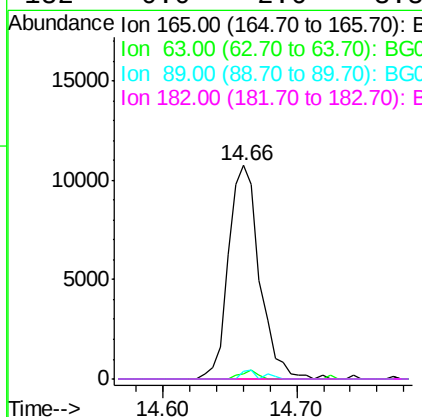
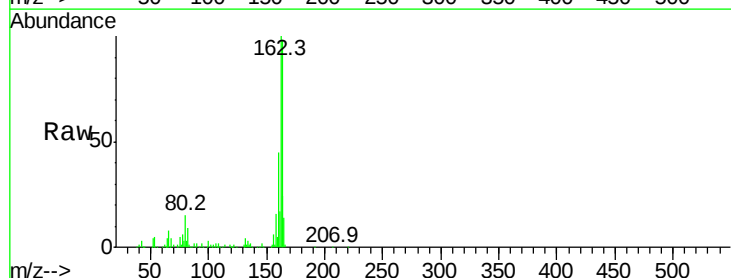
Instrument :
 BNA_G
 ClientSampleId :

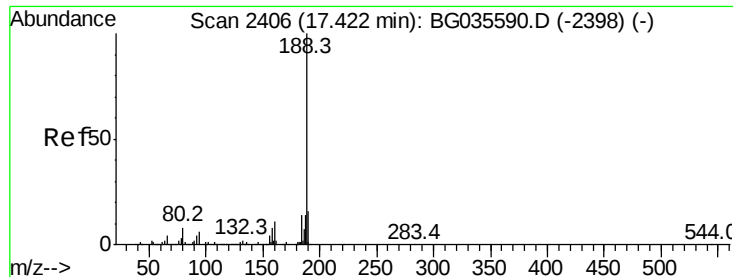
Tot Ion:184 Resp: 54
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 103.9 101.8 152.8



#56
 2,4-Dinitrotoluene
 Concen: 5.734 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.36 min
 Lab File: BG035725.D
 Acq: 18 Jul 2018 20:12

Tgt Ion:165 Resp: 17548
 Ion Ratio Lower Upper
 165 100
 63 2.6 42.0 63.0#
 89 3.3 66.9 100.3#
 182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2403

Delta R.T. -0.00 min

Lab File: BG035725.D

Acq: 18 Jul 2018 20:12

Instrument :

BNA_G

ClientSampleId :

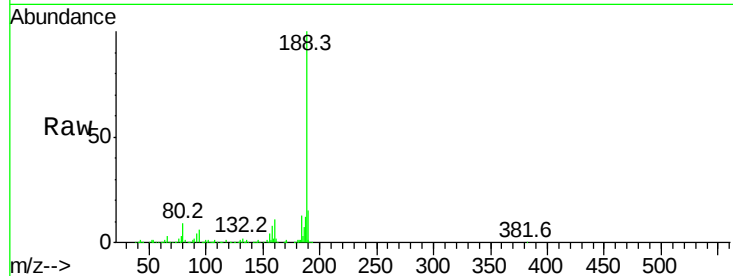
Tot Ion:188 Resp: 331663

Ion Ratio Lower Upper

188 100

94 6.4 6.9 10.3#

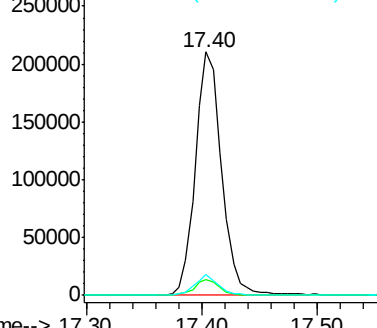
80 8.7 7.7 11.5



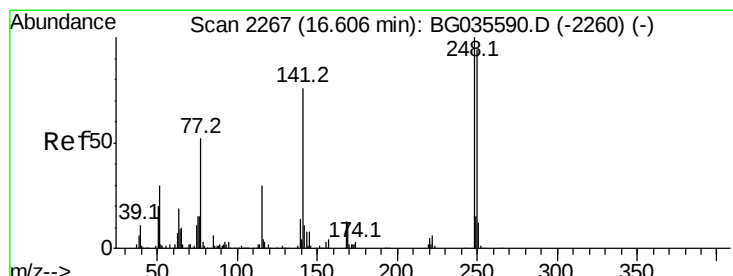
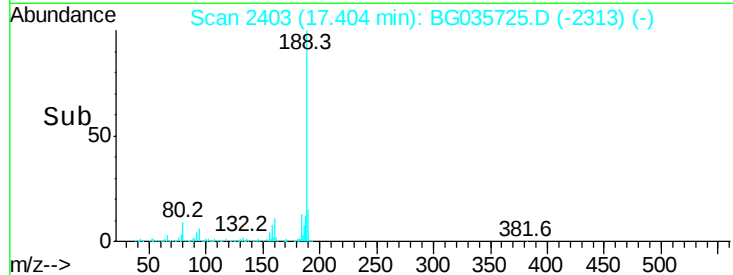
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time--> 17.30 17.40 17.50



#66

4-Bromophenyl-phenylether

Concen: 5.340 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.44 min

Lab File: BG035725.D

Acq: 18 Jul 2018 20:12

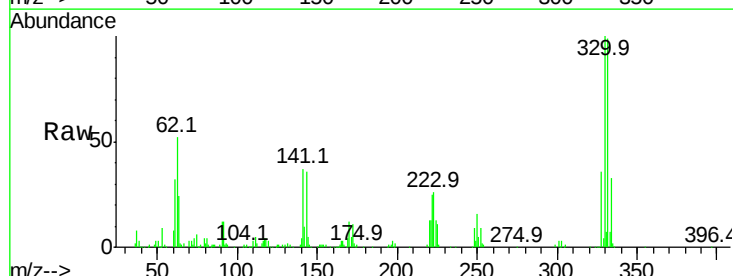
Tgt Ion:248 Resp: 20549

Ion Ratio Lower Upper

248 100

250 167.2 77.1 115.7#

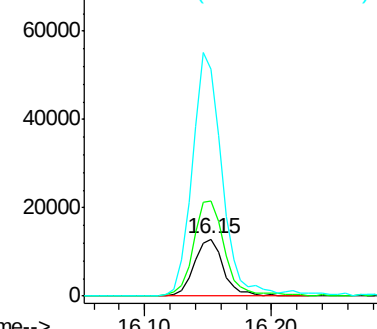
141 399.8 50.8 76.2#



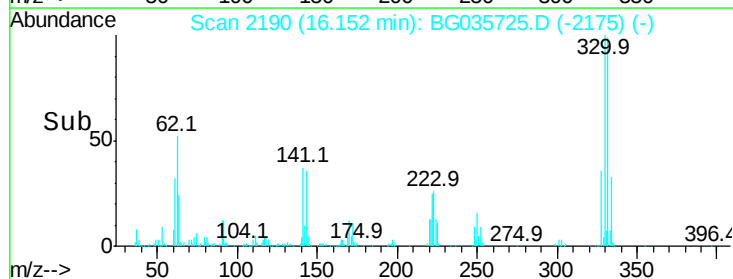
Abundance Ion 248.00 (247.70 to 248.70): E

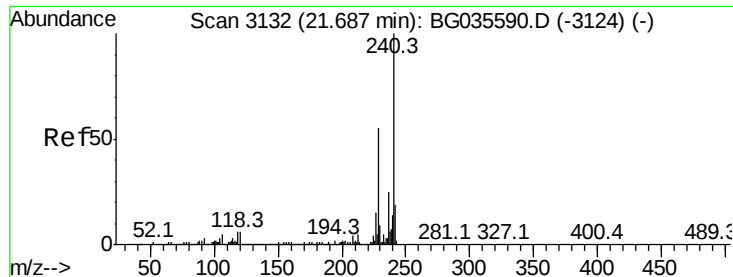
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time--> 16.10 16.20





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3129

Delta R.T. -0.01 min

Lab File: BG035725.D

Acq: 18 Jul 2018 20:12

Instrument :

BNA_G

ClientSampled :

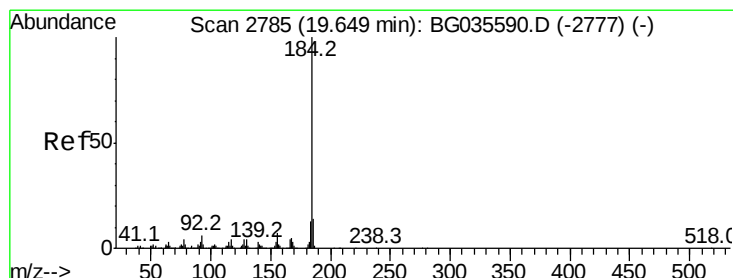
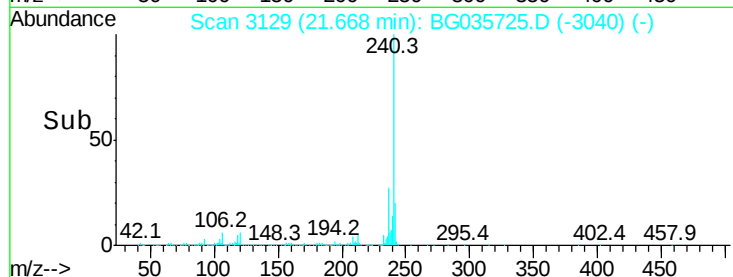
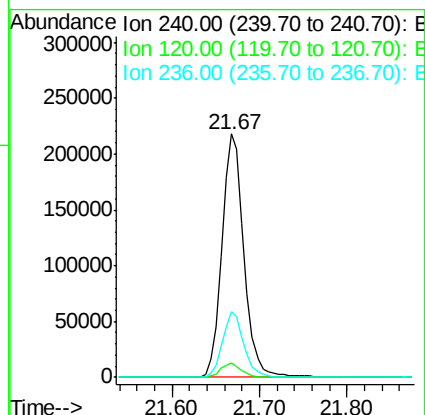
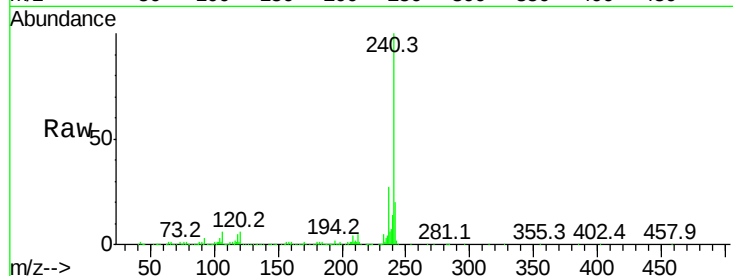
Tot Ion:240 Resp: 378041

Ion Ratio Lower Upper

240 100

120 5.9 6.8 10.2#

236 26.8 20.9 31.3



#76

Benzidine

Concen: 2.906 ng

RT: 20.01 min Scan# 2847

Delta R.T. 0.38 min

Lab File: BG035725.D

Acq: 18 Jul 2018 20:12

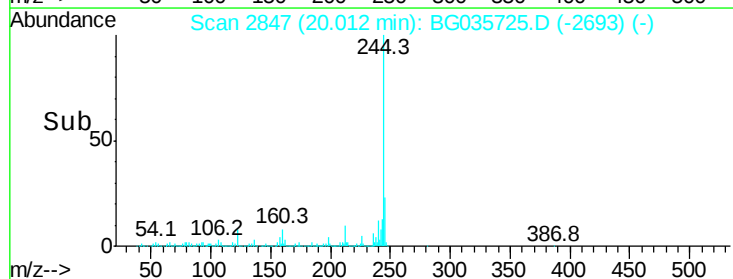
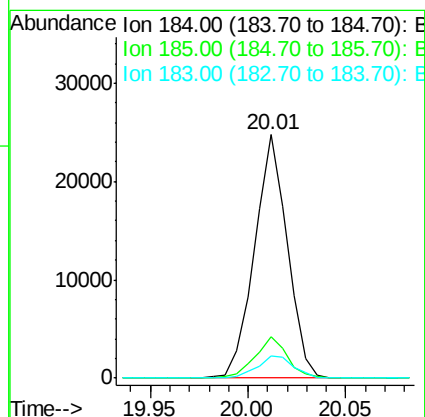
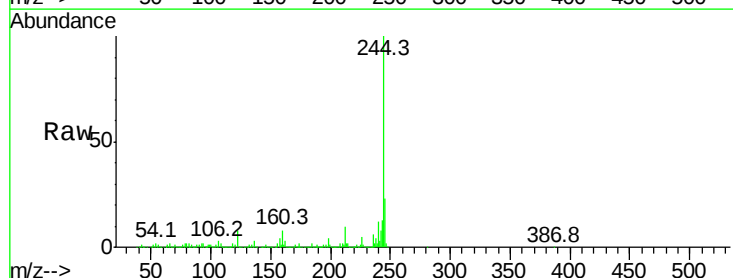
Tgt Ion:184 Resp: 28881

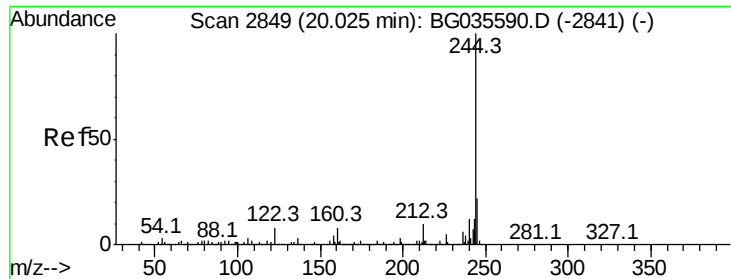
Ion Ratio Lower Upper

184 100

185 17.2 11.1 16.7#

183 8.9 10.6 16.0#

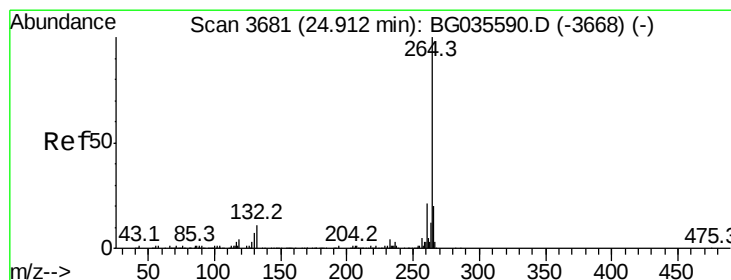
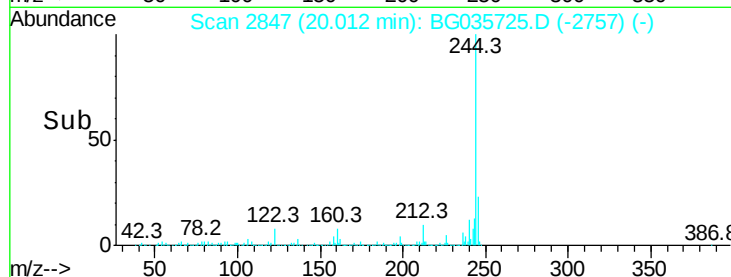
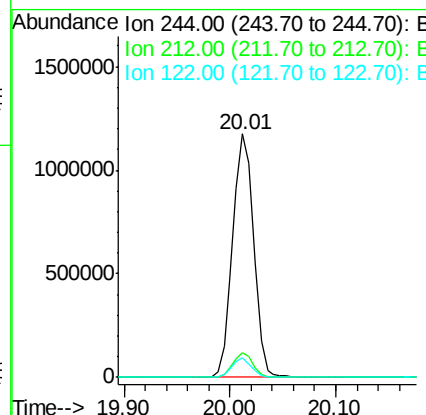
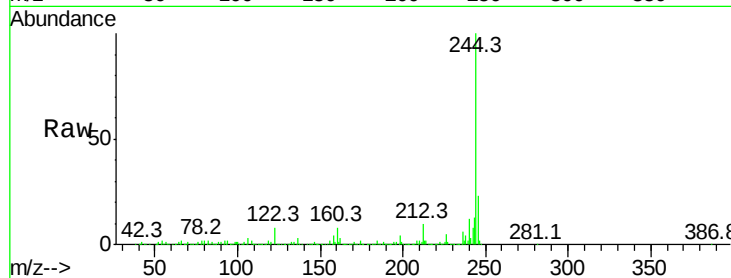




#78
 Terphenyl-d14
 Concen: 93.943 ng
 RT: 20.01 min Scan# 2847
 Delta R.T. -0.00 min
 Lab File: BG035725.D
 Acq: 18 Jul 2018 20:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1611138
 Ion Ratio Lower Upper
 244 100
 212 10.2 5.8 8.8#
 122 8.0 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.88 min Scan# 3675
 Delta R.T. -0.01 min
 Lab File: BG035725.D
 Acq: 18 Jul 2018 20:12

Tgt Ion:264 Resp: 356363
 Ion Ratio Lower Upper
 264 100
 260 22.0 17.4 26.0
 265 20.7 17.7 26.5

