

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071818\
 Data File : BG035727.D
 Acq On : 18 Jul 2018 21:30
 Operator : JU/SJ
 Sample : J4013-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 19 02:03:39 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

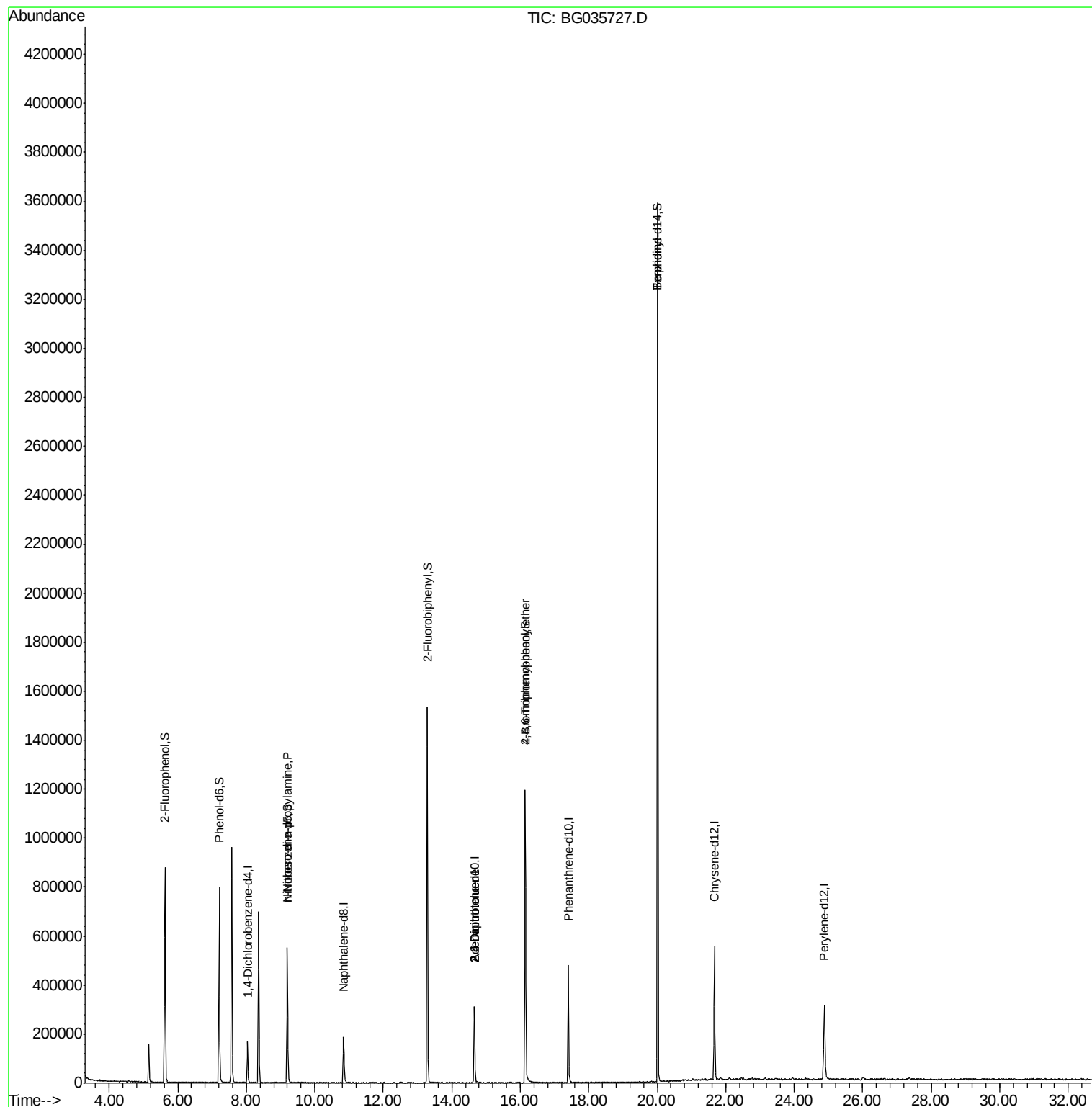
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	47458	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	170629	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	115935	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	323457	20.00	ng	0.00
75) Chrysene-d12	21.67	240	369551	20.00	ng	0.00
86) Perylene-d12	24.88	264	351145	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	384508	134.51	ng	0.00
7) Phenol-d6	7.21	99	488764	114.60	ng	0.00
23) Nitrobenzene-d5	9.20	82	388730	95.17	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	230427	150.79	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	823784	95.20	ng	0.00
78) Terphenyl-d14	20.01	244	1654807	98.71	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	52947	14.743	ng	# 70
50) 2,6-Dinitrotoluene	14.66	165	15149	7.324	ng	# 20
56) 2,4-Dinitrotoluene	14.66	165	15149	5.105	ng	# 18
66) 4-Bromophenyl-phenylether	16.15	248	19564	5.213	ng	# 1
76) Benzidine	20.01	184	30318	3.121	ng	# 91

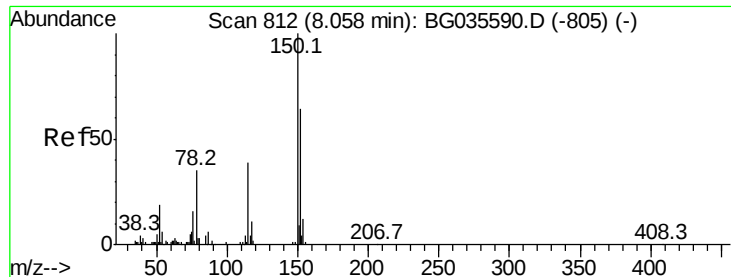
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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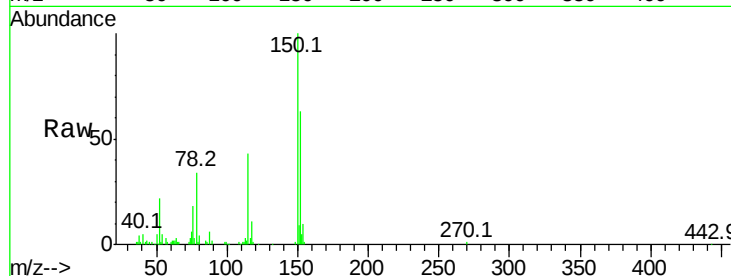


#1

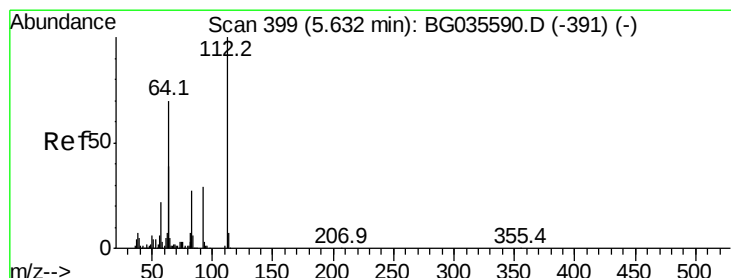
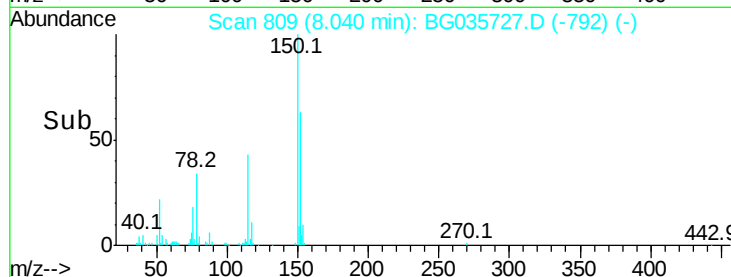
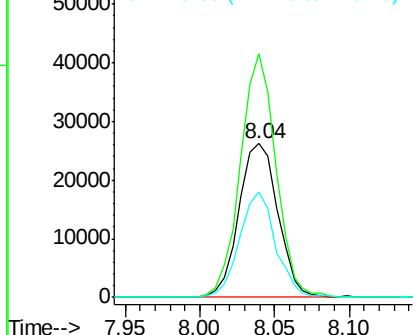
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.00 min
Lab File: BG035727.D
Acq: 18 Jul 2018 21:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 47458
Ion Ratio Lower Upper
152 100
150 158.5 126.6 189.8
115 68.9 53.0 79.4



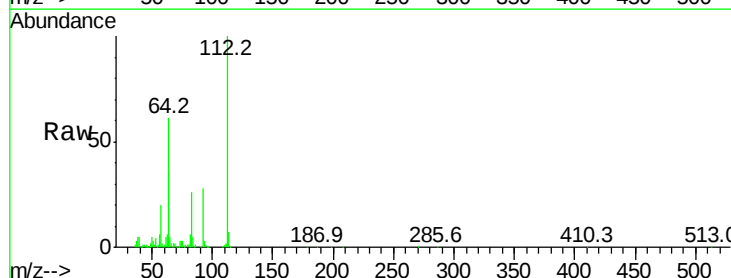
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



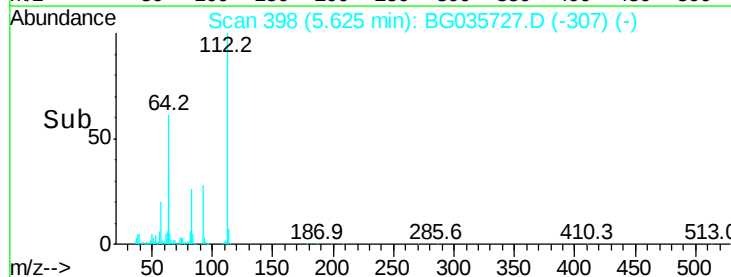
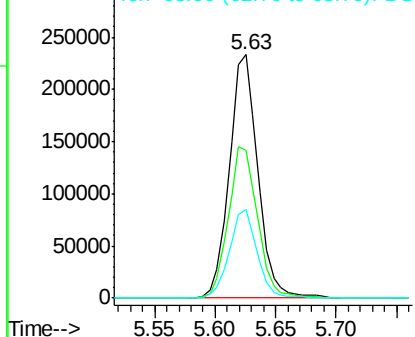
#5

2-Fluorophenol
Concen: 134.513 ng
RT: 5.63 min Scan# 398
Delta R.T. 0.00 min
Lab File: BG035727.D
Acq: 18 Jul 2018 21:30

Tgt Ion:112 Resp: 384508
Ion Ratio Lower Upper
112 100
64 60.8 56.3 84.5
63 36.4 30.1 45.1



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





#7

Phenol-d6

Concen: 114.602 ng

RT: 7.21 min Scan# 668

Delta R.T. 0.00 min

Lab File: BG035727.D

Acq: 18 Jul 2018 21:30

Instrument :

BNA_G

ClientSampleId :

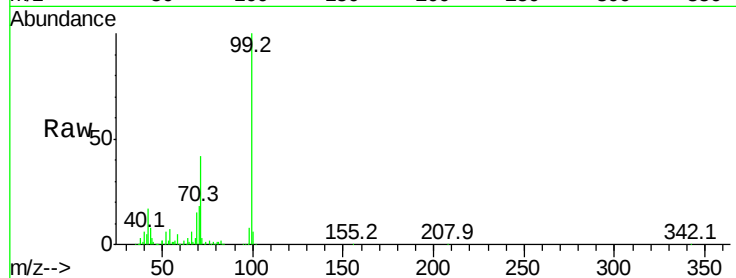
Tot Ion: 99 Resp: 488764

Ion Ratio Lower Upper

99 100

42 17.1 14.1 21.1

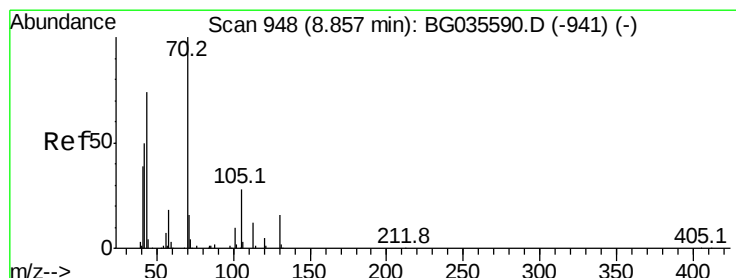
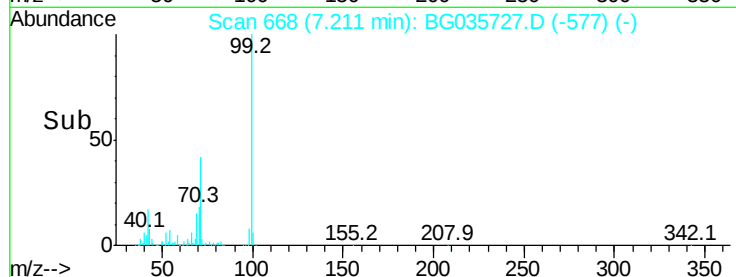
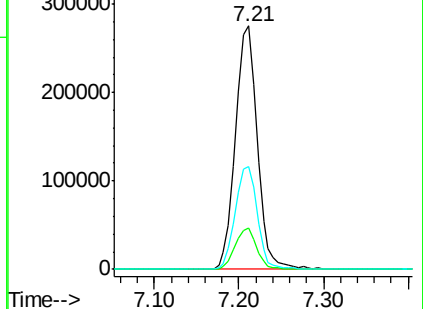
71 42.0 26.1 39.1#



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: 14.743 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.36 min

Lab File: BG035727.D

Acq: 18 Jul 2018 21:30

Tgt Ion: 70 Resp: 52947

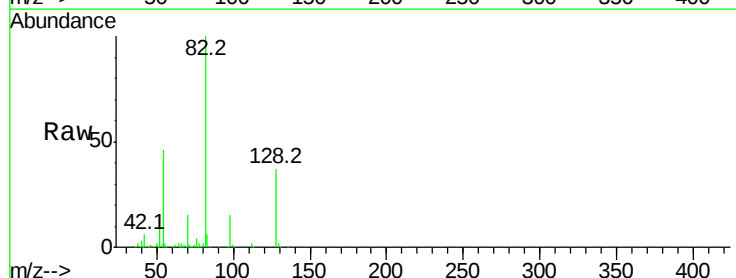
Ion Ratio Lower Upper

70 100

42 39.2 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

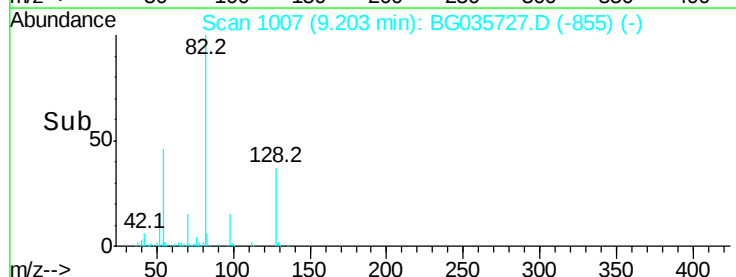
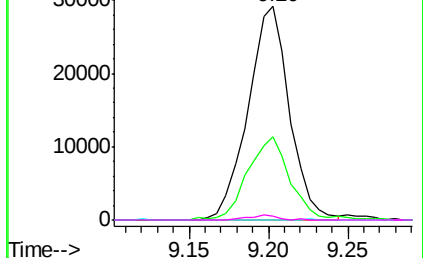


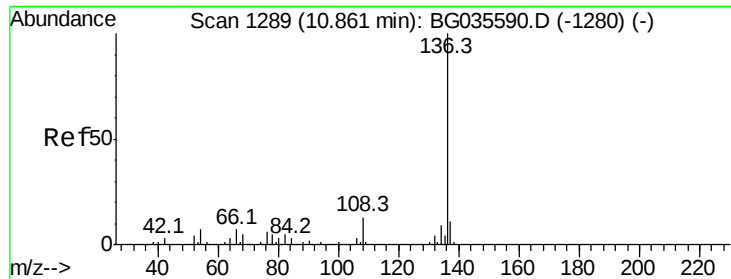
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

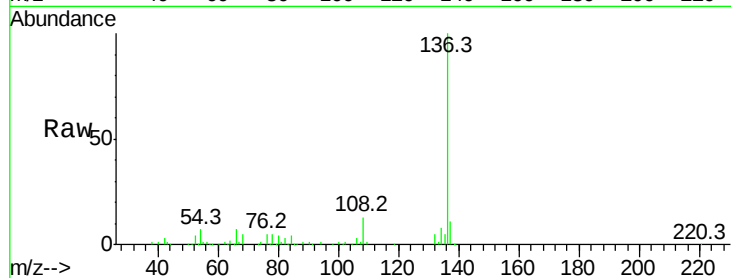




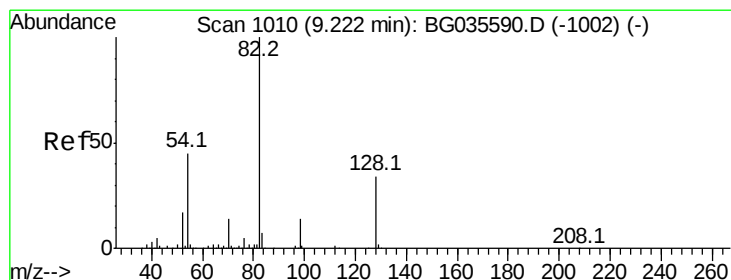
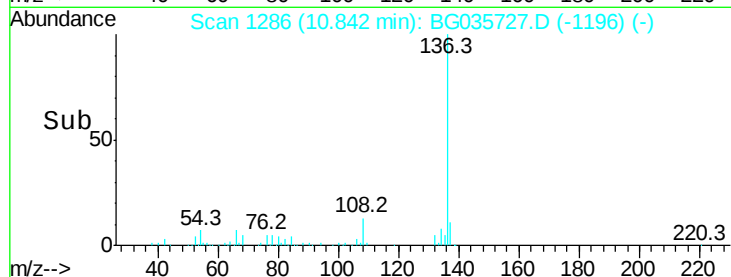
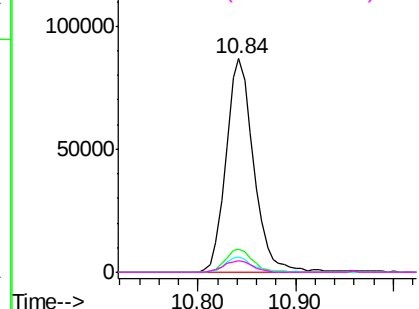
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BG035727.D
Acq: 18 Jul 2018 21:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	170629
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	7.3	10.3	15.5#
68	5.2	4.5	6.7

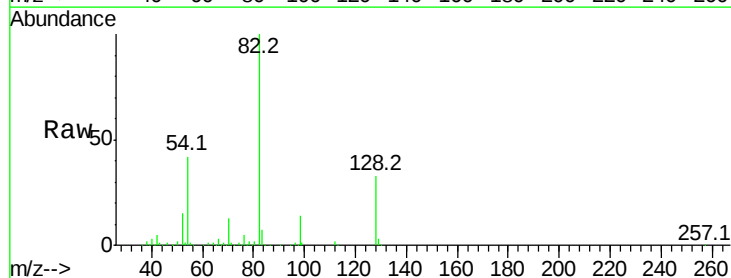


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

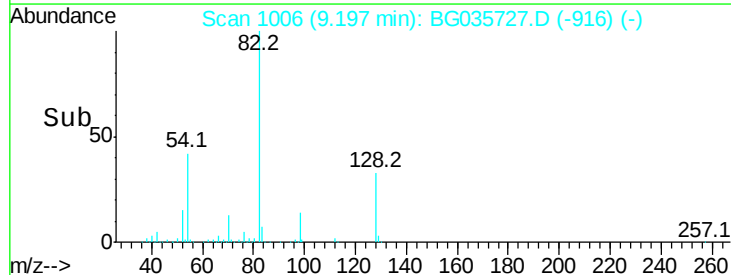
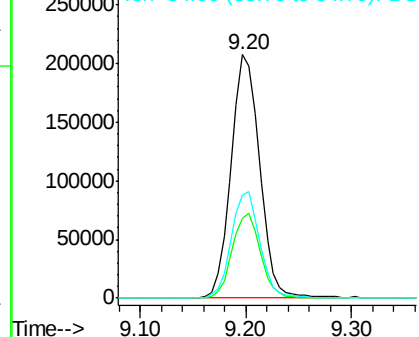


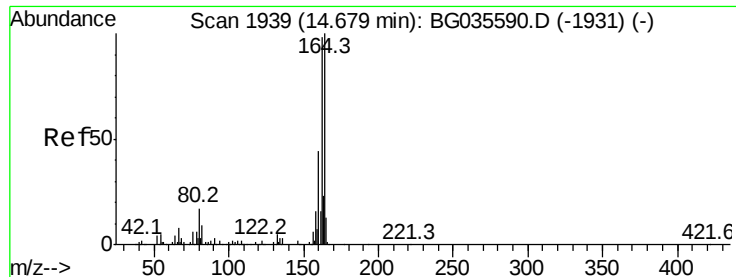
#23
Nitrobenzene-d5
Concen: 95.172 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BG035727.D
Acq: 18 Jul 2018 21:30

Tgt Ion:	82	Resp:	388730
Ion	Ratio	Lower	Upper
82	100		
128	33.0	29.7	44.5
54	42.1	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: 14.66 min Scan# 1936

Delta R.T. -0.00 min

Lab File: BG035727.D

Acq: 18 Jul 2018 21:30

Instrument :

BNA_G

ClientSampleId :

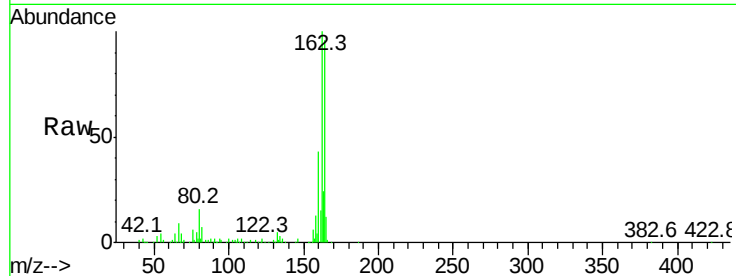
Tot Ion:164 Resp: 115935

Ion Ratio Lower Upper

164 100

162 104.7 78.8 118.2

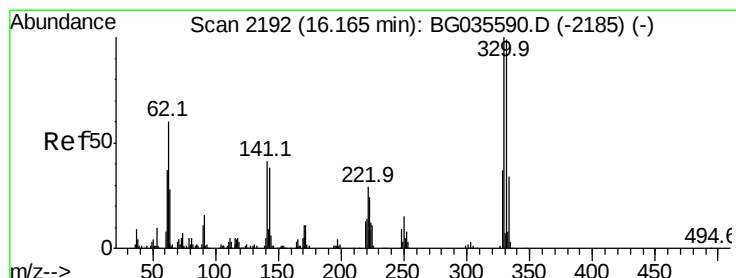
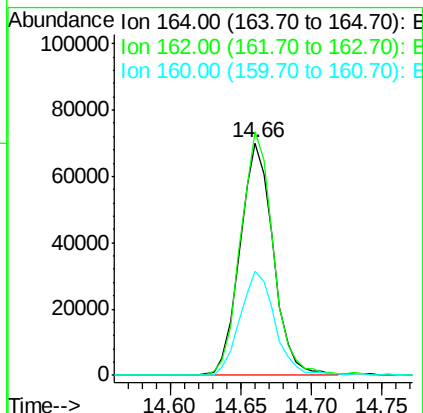
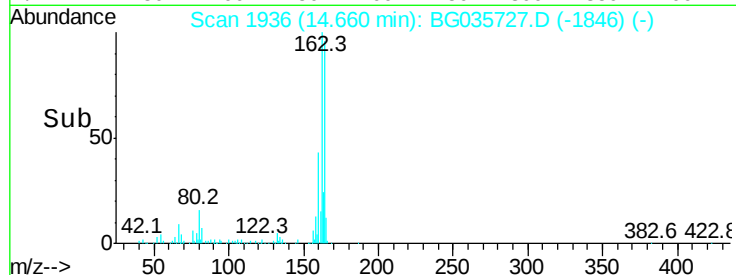
160 44.6 35.4 53.0



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: 150.793 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.00 min

Lab File: BG035727.D

Acq: 18 Jul 2018 21:30

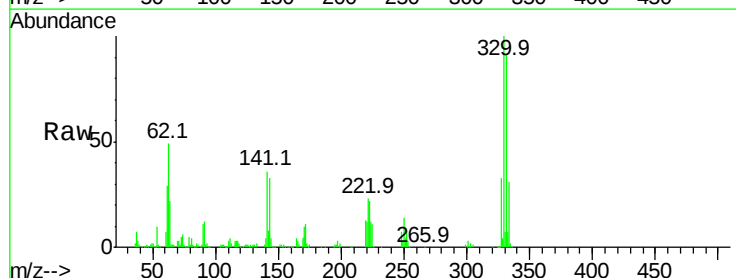
Tgt Ion:330 Resp: 230427

Ion Ratio Lower Upper

330 100

332 95.3 77.0 115.6

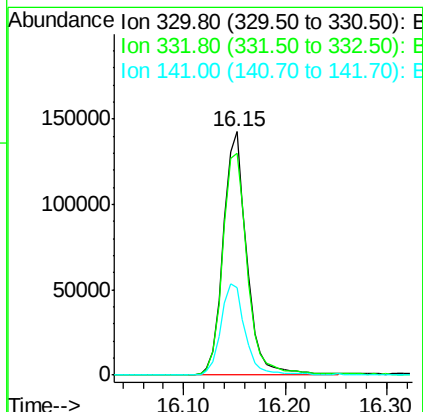
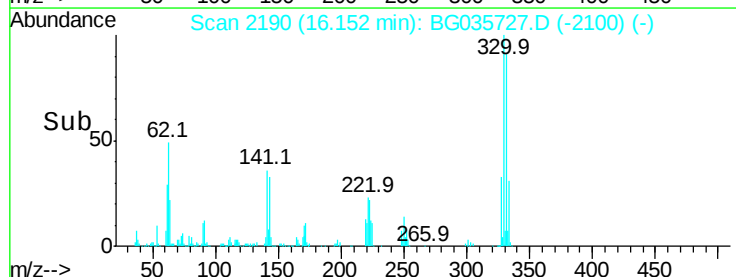
141 38.8 25.2 37.8#

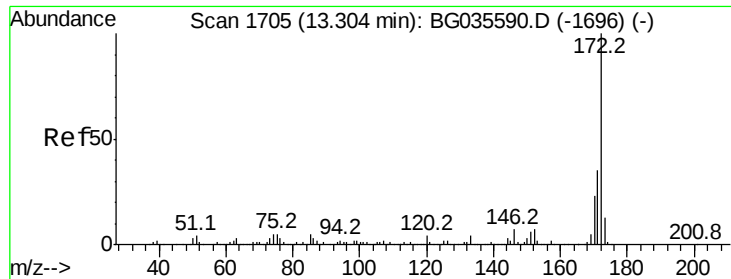


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

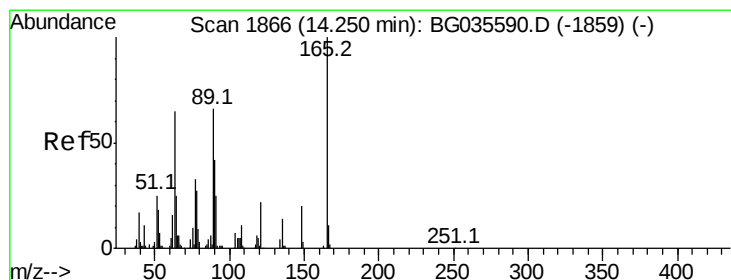
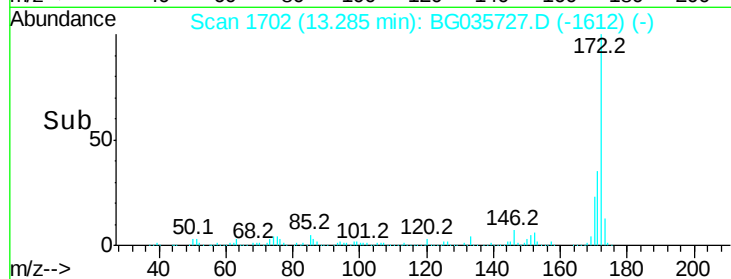
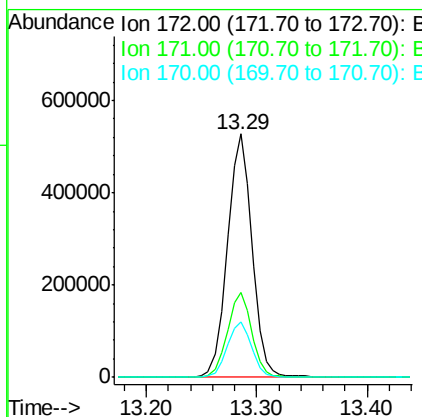
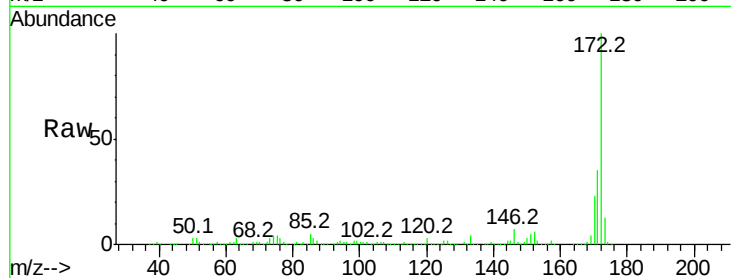




#44
 2-Fluorobiphenyl
 Concen: 95.196 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: BG035727.D
 Acq: 18 Jul 2018 21:30

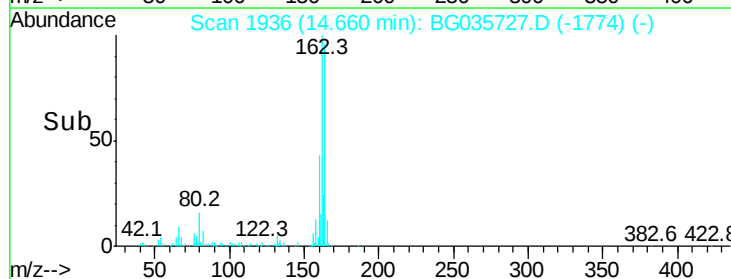
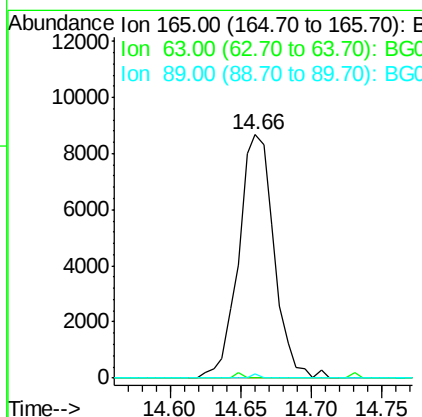
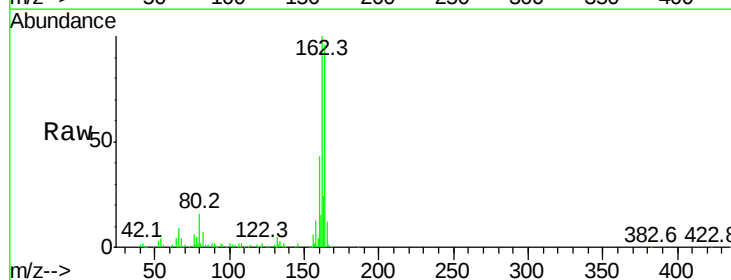
Instrument :
 BNA_G
 ClientSampleId :

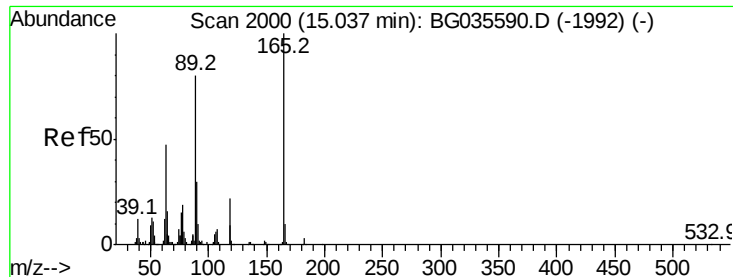
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	30.0	45.0
170	23.0	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.324 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG035727.D
 Acq: 18 Jul 2018 21:30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.0	49.2	73.8#

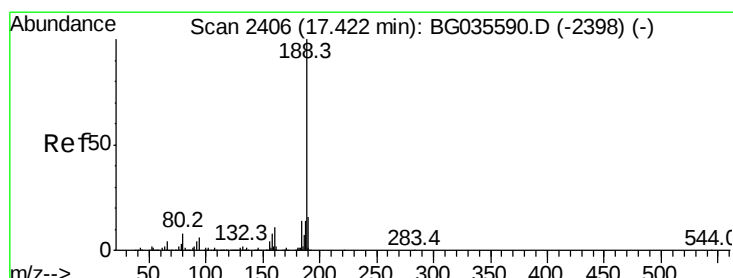
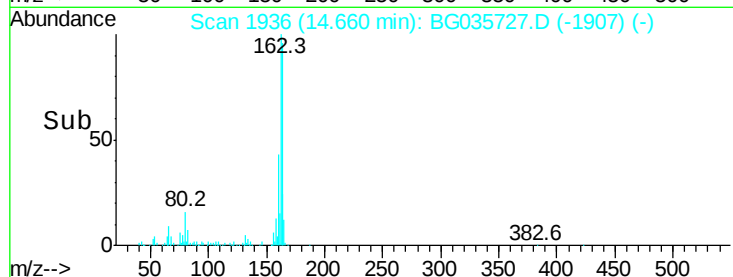
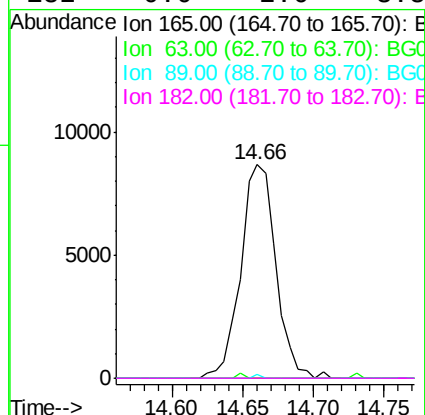
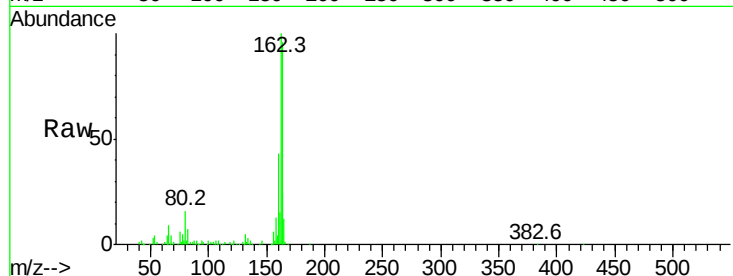




#56
 2,4-Dinitrotoluene
 Concen: 5.105 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.36 min
 Lab File: BG035727.D
 Acq: 18 Jul 2018 21:30

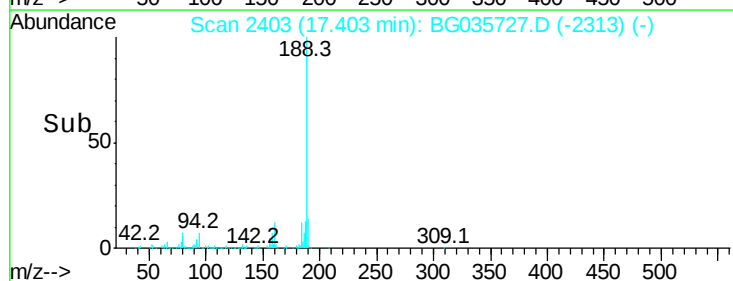
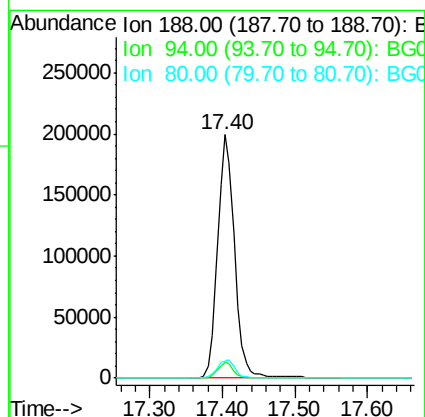
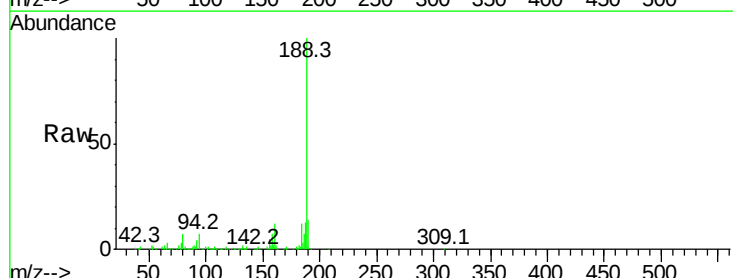
Instrument :
 BNA_G
 ClientSampled :

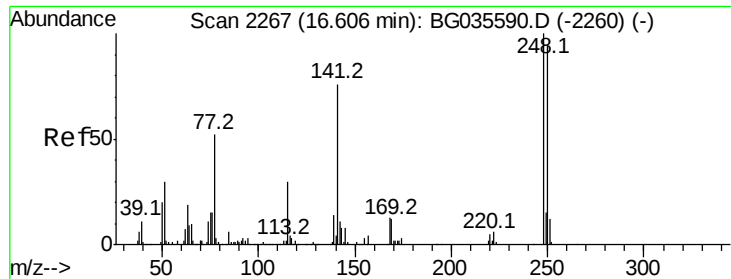
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2403
 Delta R.T. -0.00 min
 Lab File: BG035727.D
 Acq: 18 Jul 2018 21:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.6	6.9	10.3#
80	7.0	7.7	11.5#

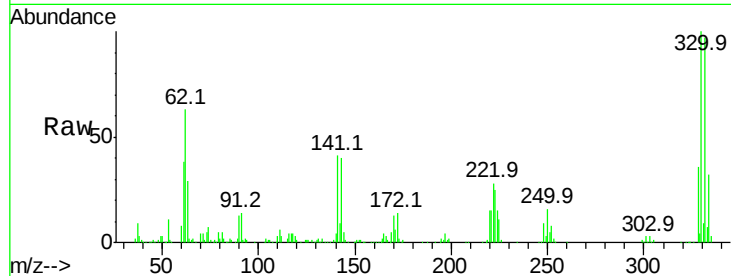




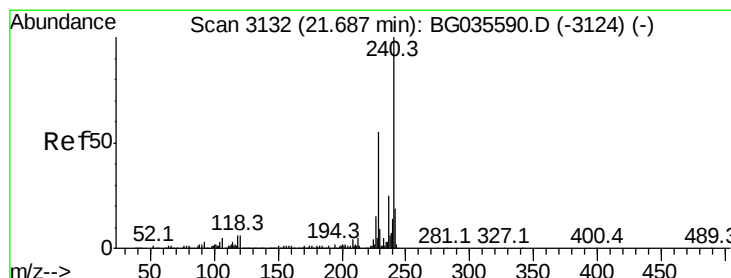
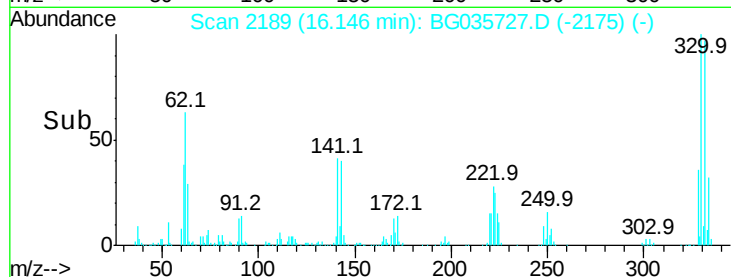
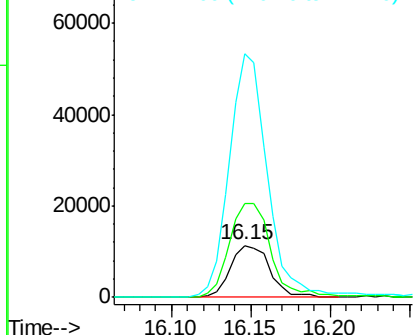
#66
 4-Bromophenyl-phenylether
 Concen: 5.213 ng
 RT: 16.15 min Scan# 2189
 Delta R.T. -0.45 min
 Lab File: BG035727.D
 Acq: 18 Jul 2018 21:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 19564
 Ion Ratio Lower Upper
 248 100
 250 182.0 77.1 115.7#
 141 469.0 50.8 76.2#

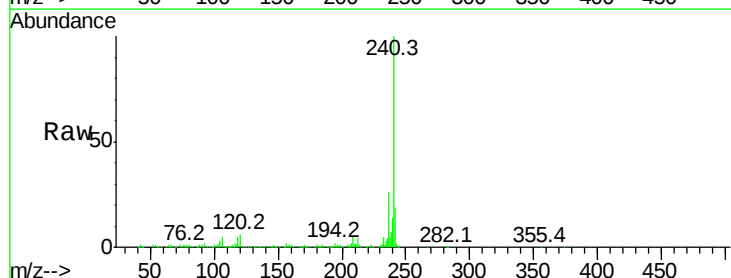


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

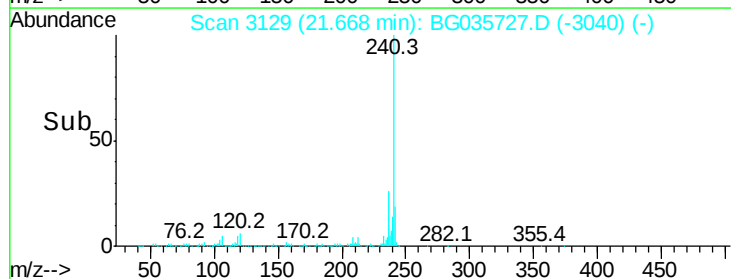
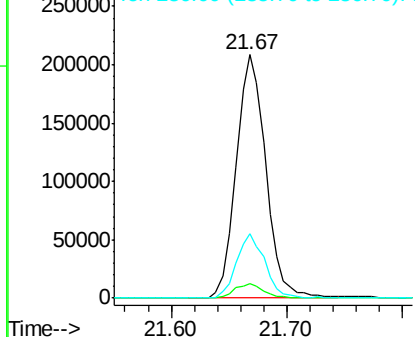


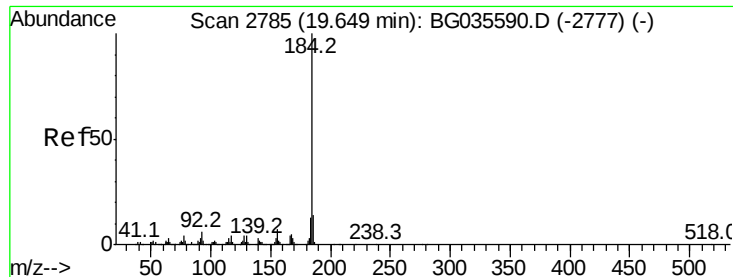
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3129
 Delta R.T. -0.01 min
 Lab File: BG035727.D
 Acq: 18 Jul 2018 21:30

Tgt Ion:240 Resp: 369551
 Ion Ratio Lower Upper
 240 100
 120 5.9 6.8 10.2#
 236 26.3 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: 3.121 ng

RT: 20.01 min Scan# 2847

Delta R.T. 0.37 min

Lab File: BG035727.D

Acq: 18 Jul 2018 21:30

Instrument :

BNA_G

ClientSampleId :

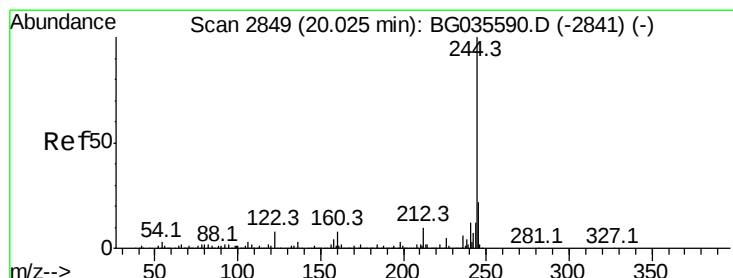
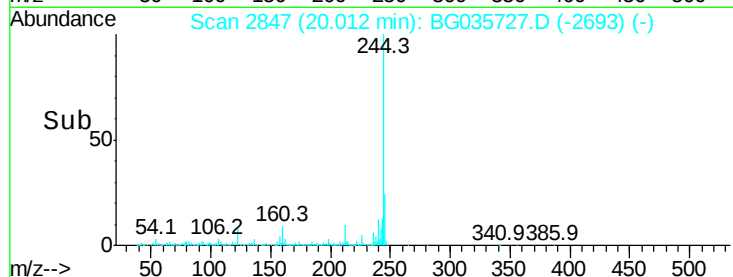
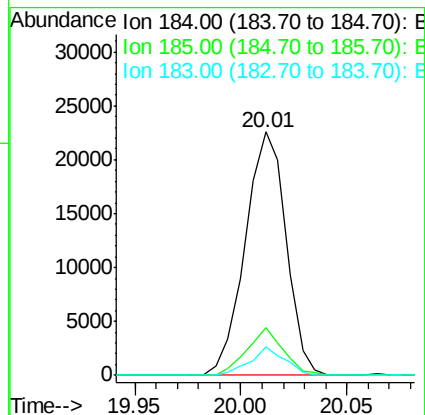
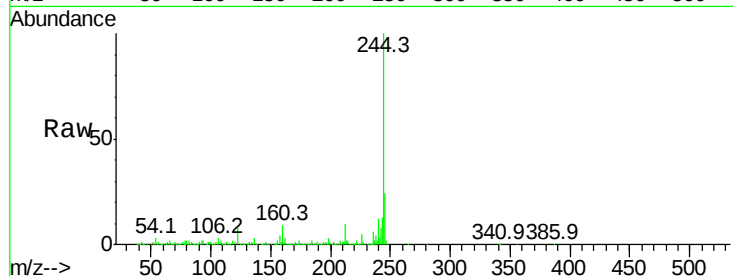
Tot Ion:184 Resp: 30318

Ion Ratio Lower Upper

184 100

185 19.8 11.1 16.7#

183 11.6 10.6 16.0



#78

Terphenyl-d14

Concen: 98.706 ng

RT: 20.01 min Scan# 2847

Delta R.T. -0.00 min

Lab File: BG035727.D

Acq: 18 Jul 2018 21:30

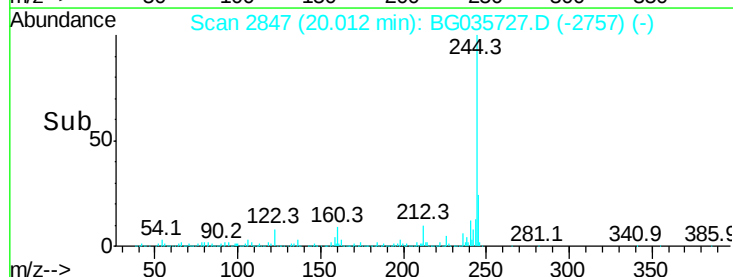
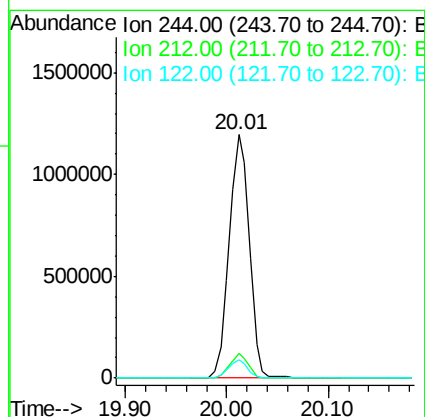
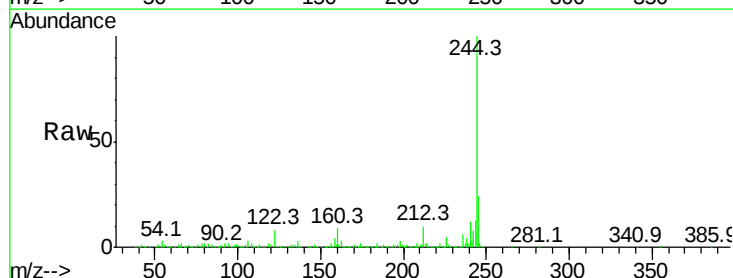
Tgt Ion:244 Resp: 1654807

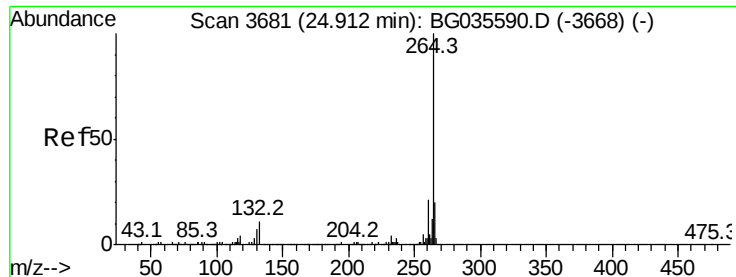
Ion Ratio Lower Upper

244 100

212 10.2 5.8 8.8#

122 7.5 7.0 10.4

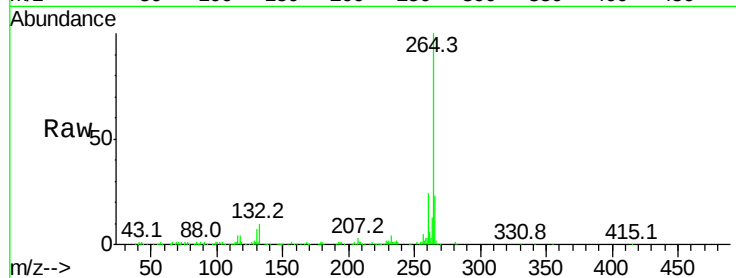




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.88 min Scan# 3676
Delta R.T. -0.00 min
Lab File: BG035727.D
Acq: 18 Jul 2018 21:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.4	26.0
265	23.4	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

