

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071218\
 Data File : BG035622.D
 Acq On : 13 Jul 2018 9:30
 Operator : JU/SJ
 Sample : PB111025BL
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB111025BL

Quant Time: Jul 13 11:12:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 12 14:43:32 2018
 Response via : Initial Calibration

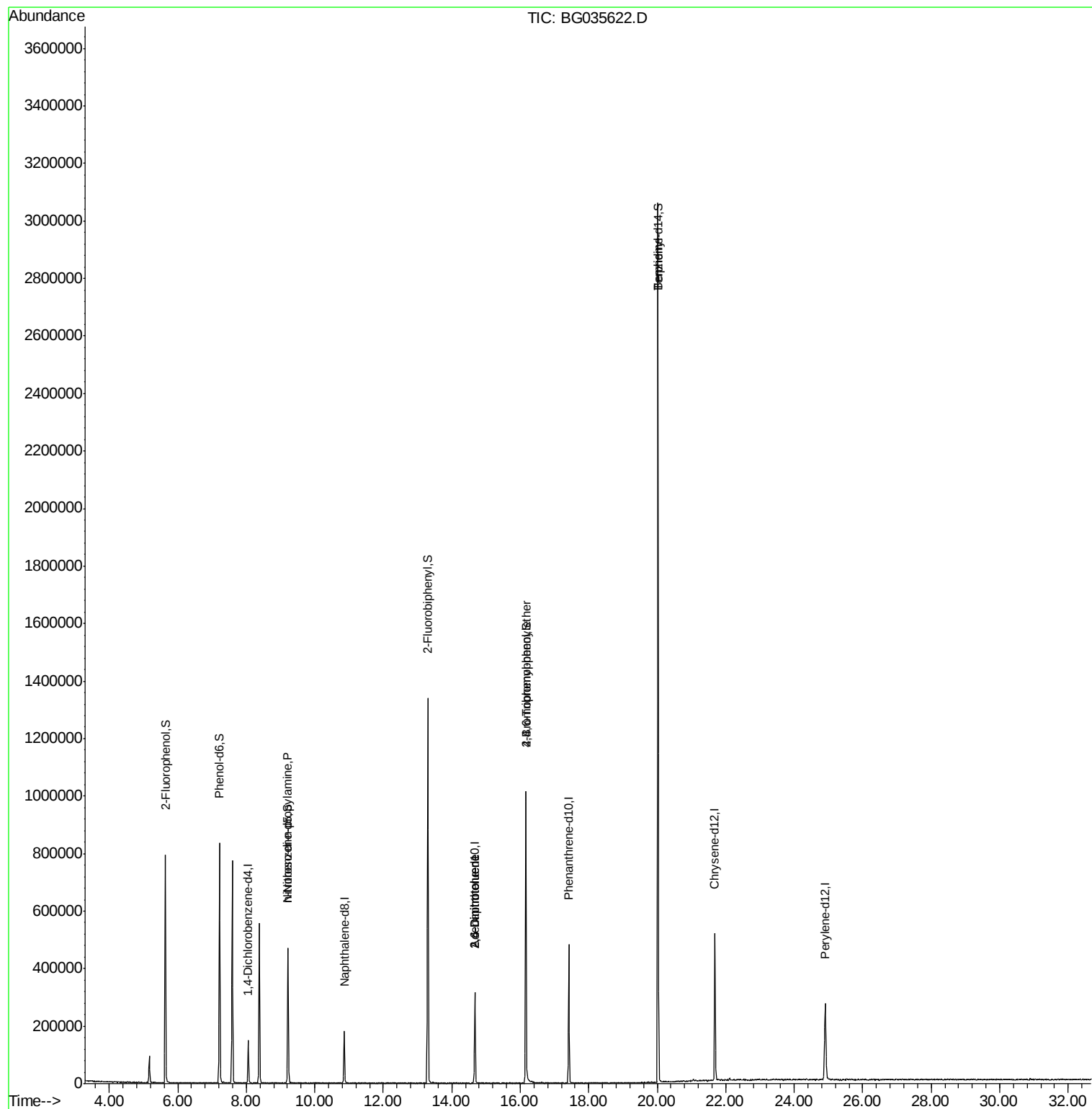
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	40009	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	150699	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	113674	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	313793	20.00	ng	0.00
75) Chrysene-d12	21.68	240	343132	20.00	ng	0.00
86) Perylene-d12	24.90	264	313952	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	337326	139.98	ng	0.00
7) Phenol-d6	7.22	99	491699	136.76	ng	0.00
23) Nitrobenzene-d5	9.21	82	310753	86.14	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	194604	129.88	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	734138	86.52	ng	0.00
78) Terphenyl-d14	20.02	244	1430471	91.89	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	43970	14.523	ng	# 72
50) 2,6-Dinitrotoluene	14.67	165	15325	7.556	ng	# 18
56) 2,4-Dinitrotoluene	14.67	165	15325	5.267	ng	# 16
66) 4-Bromophenyl-phenylether	16.16	248	15181	4.170	ng	# 1
76) Benzidine	20.02	184	25349	2.810	ng	# 89

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

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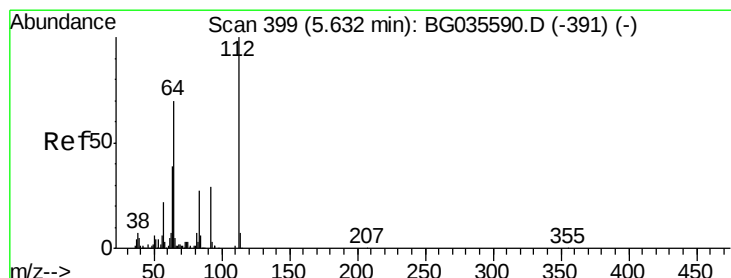
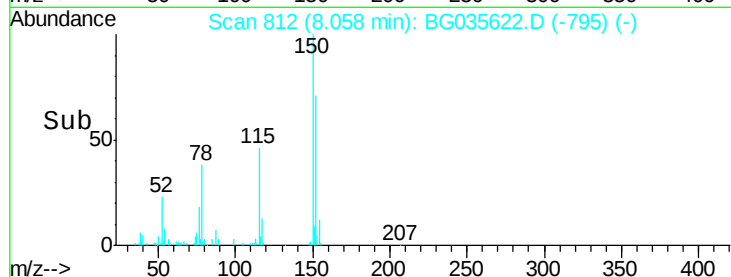
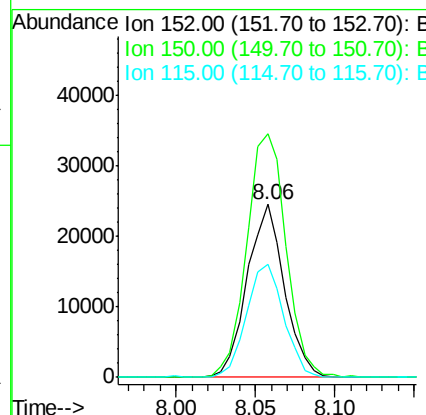
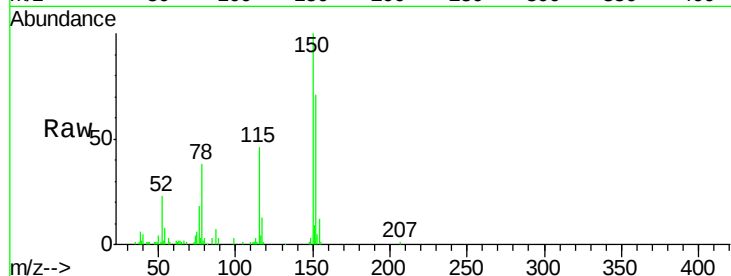


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.00 min
Lab File: BG035622.D
Acq: 13 Jul 2018 9:30

Instrument :
BNA_G
ClientSampleId :
PB111025BL

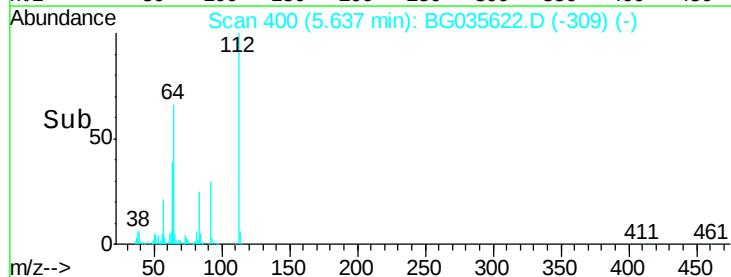
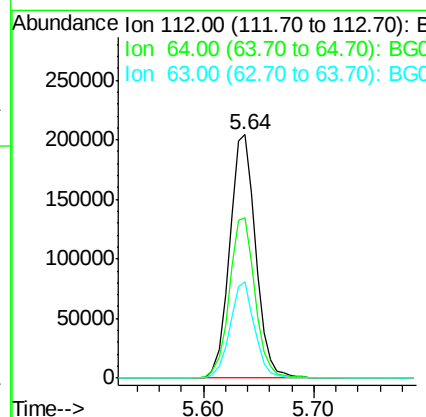
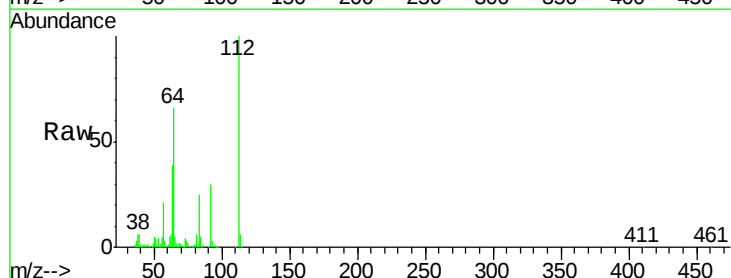
Tgt Ion:152 Resp: 40009
Ion Ratio Lower Upper
152 100
150 140.9 126.6 189.8
115 65.3 53.0 79.4

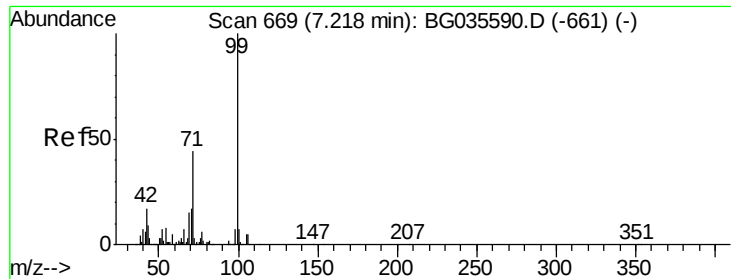


#5

2-Fluorophenol
Concen: 139.979 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.01 min
Lab File: BG035622.D
Acq: 13 Jul 2018 9:30

Tgt Ion:112 Resp: 337326
Ion Ratio Lower Upper
112 100
64 65.9 56.3 84.5
63 39.5 30.1 45.1





#7

Phenol-d6

Concen: 136.756 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG035622.D

Acq: 13 Jul 2018 9:30

Instrument :

BNA_G

ClientSampleId :

PB111025BL

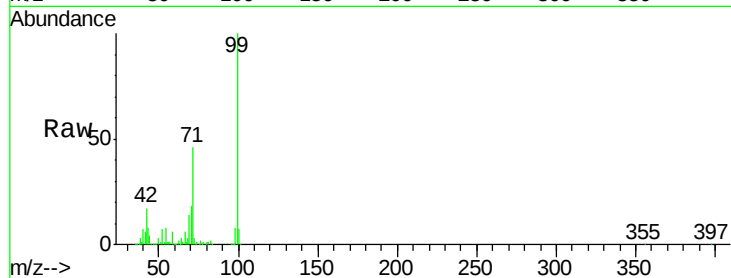
Tgt Ion: 99 Resp: 491699

Ion Ratio Lower Upper

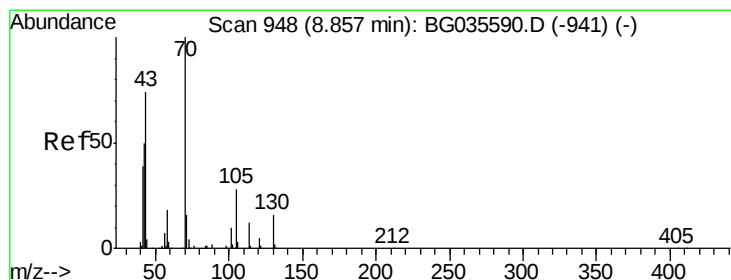
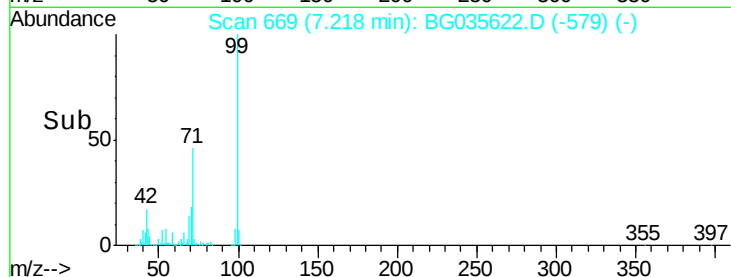
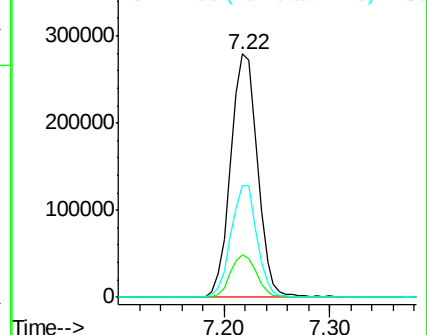
99 100

42 17.4 14.1 21.1

71 45.7 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: 14.523 ng

RT: 9.21 min Scan# 1009

Delta R.T. 0.36 min

Lab File: BG035622.D

Acq: 13 Jul 2018 9:30

Tgt Ion: 70 Resp: 43970

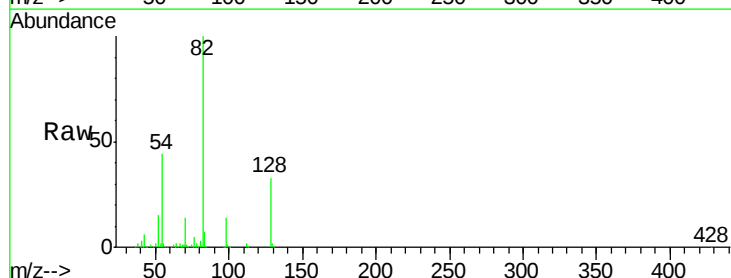
Ion Ratio Lower Upper

70 100

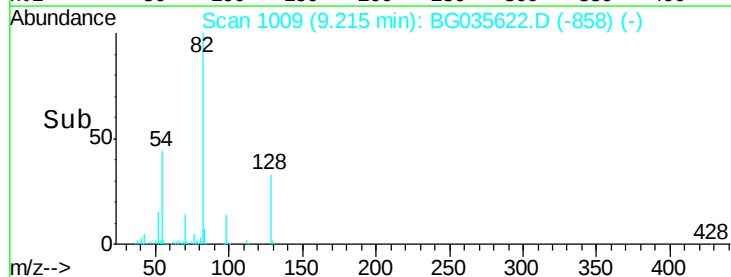
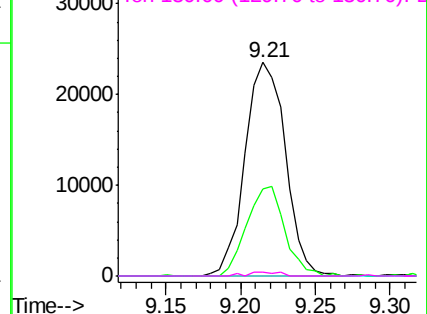
42 40.9 49.1 73.7#

101 0.0 8.5 12.7#

130 1.9 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

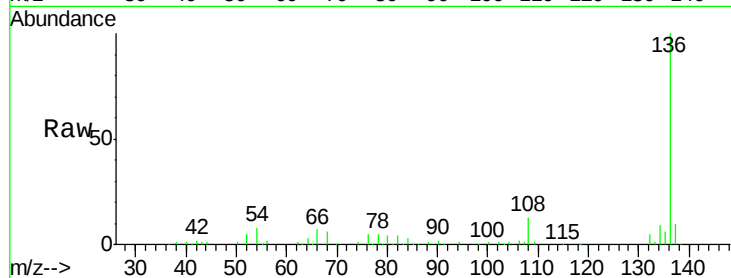




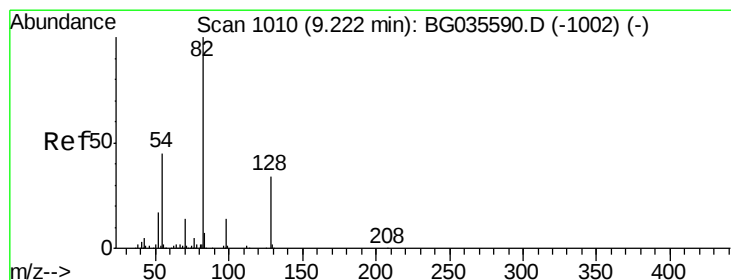
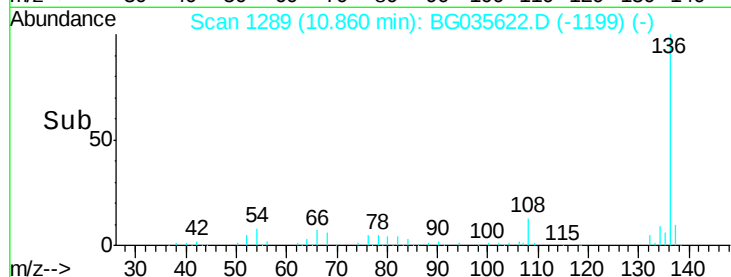
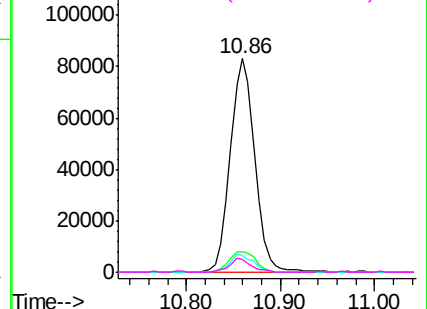
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG035622.D
Acq: 13 Jul 2018 9:30

Instrument :
BNA_G
ClientSampleId :
PB111025BL

Tgt Ion:	136	Resp:	150699
Ion	Ratio	Lower	Upper
136	100		
137	9.9	9.2	13.8
54	8.0	10.3	15.5
68	6.2	4.5	6.7

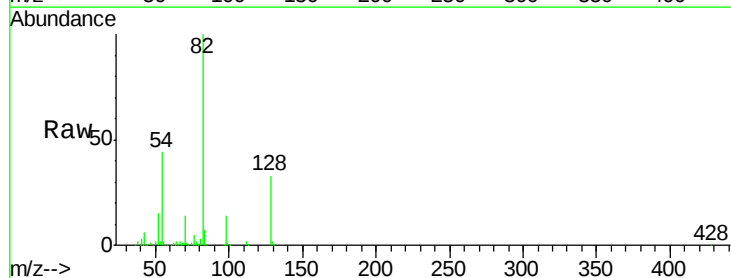


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

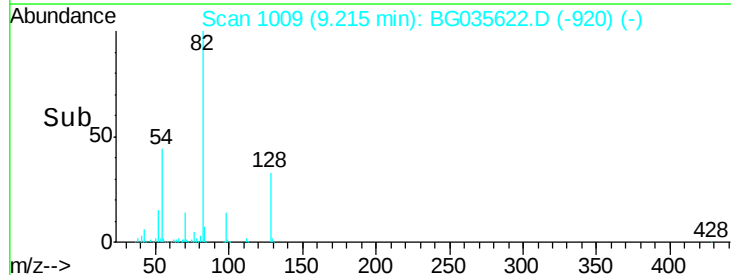
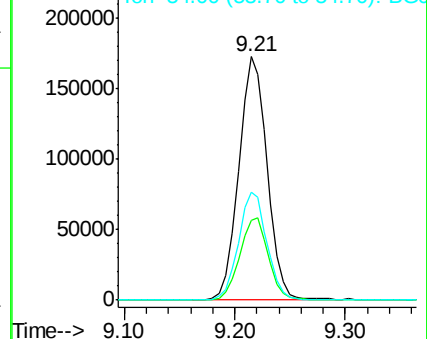


#23
Nitrobenzene-d5
Concen: 86.143 ng
RT: 9.21 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BG035622.D
Acq: 13 Jul 2018 9:30

Tgt Ion:	82	Resp:	310753
Ion	Ratio	Lower	Upper
82	100		
128	32.8	29.7	44.5
54	44.2	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG035622.D

Acq: 13 Jul 2018 9:30

Instrument :

BNA_G

ClientSampleId :

PB111025BL

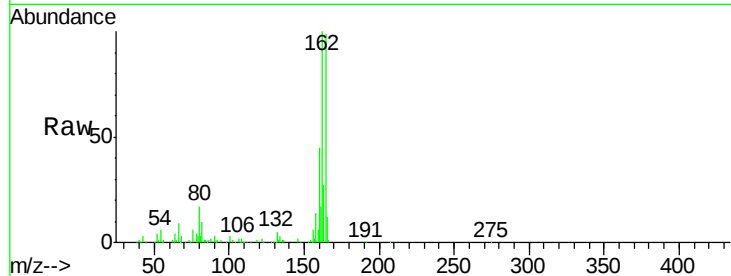
Tgt Ion:164 Resp: 113674

Ion Ratio Lower Upper

164 100

162 101.5 78.8 118.2

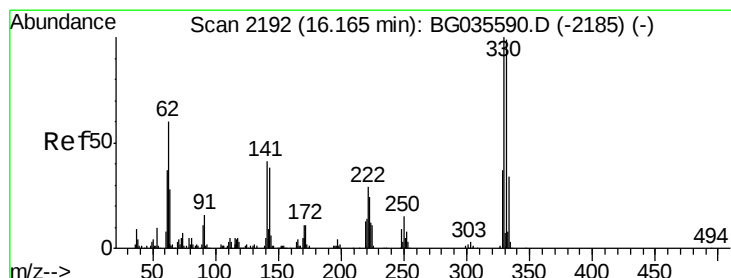
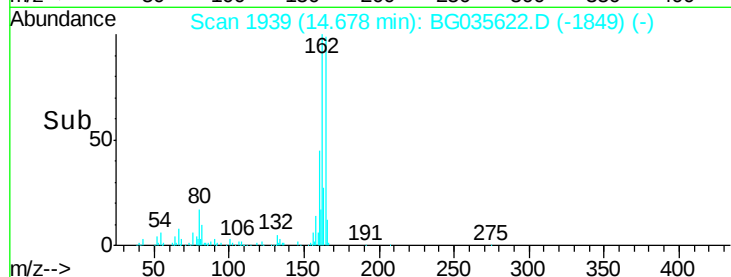
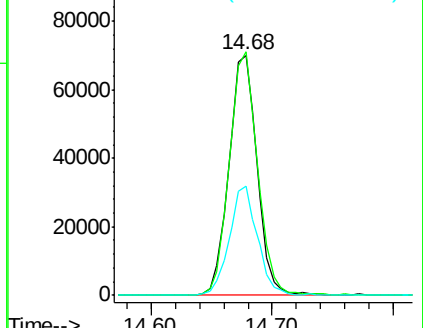
160 45.5 35.4 53.0



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: 129.883 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG035622.D

Acq: 13 Jul 2018 9:30

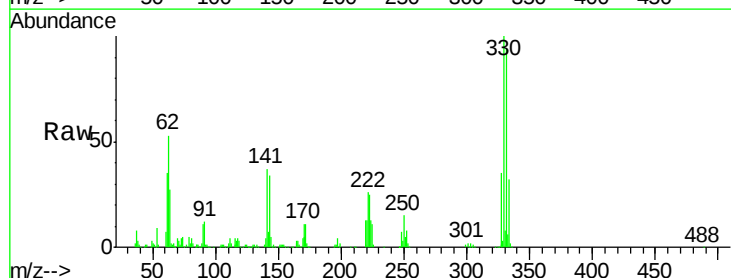
Tgt Ion:330 Resp: 194604

Ion Ratio Lower Upper

330 100

332 95.2 77.0 115.6

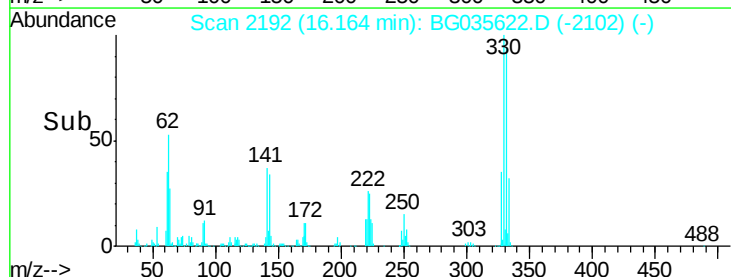
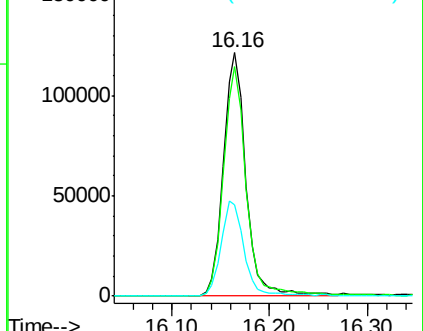
141 40.4 25.2 37.8#

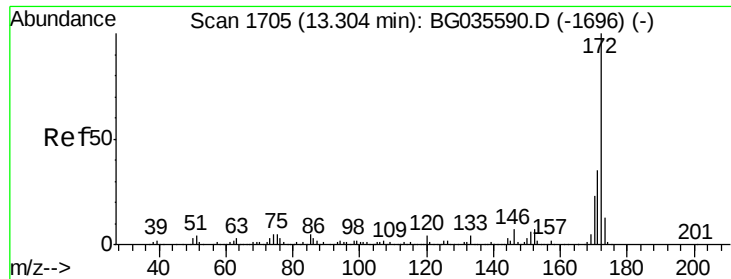


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

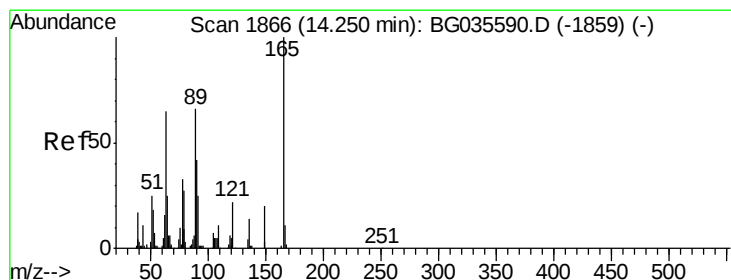
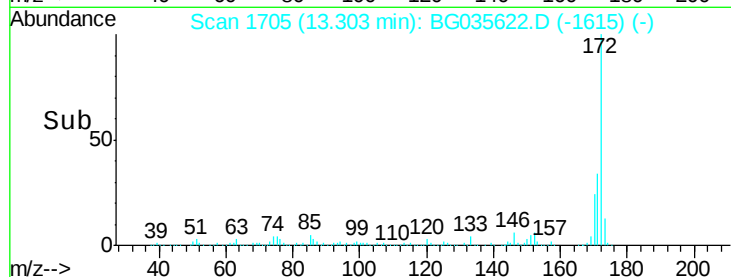
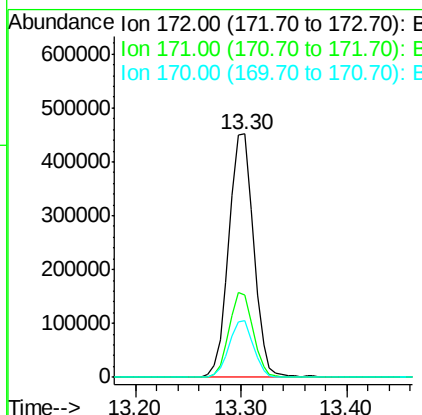
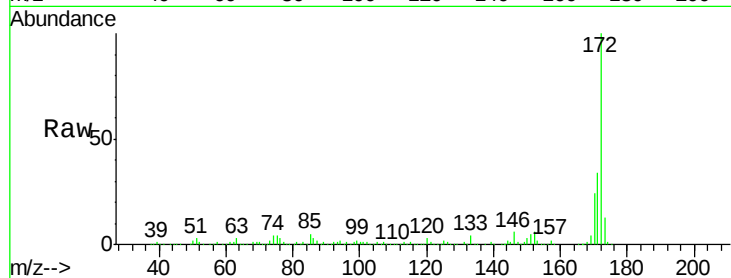




#44
 2-Fluorobiphenyl
 Concen: 86.524 ng
 RT: 13.30 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: BG035622.D
 Acq: 13 Jul 2018 9:30

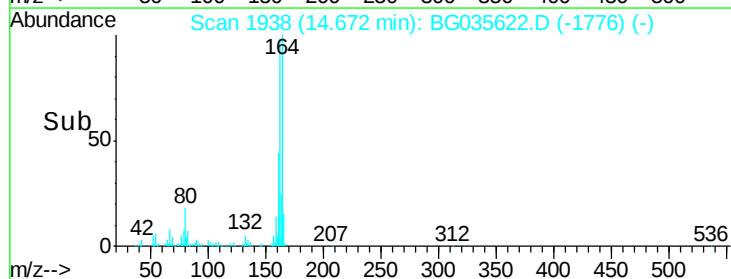
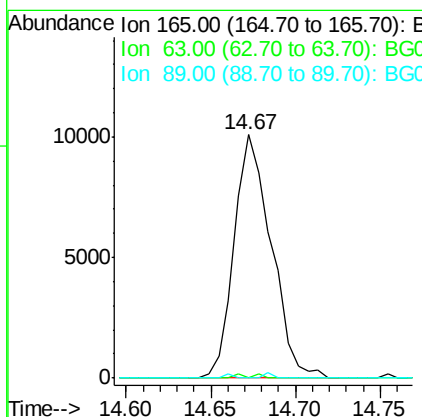
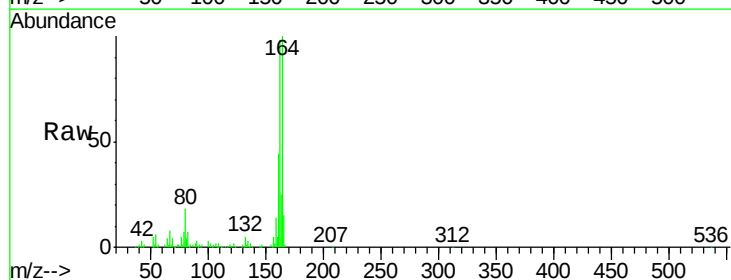
Instrument :
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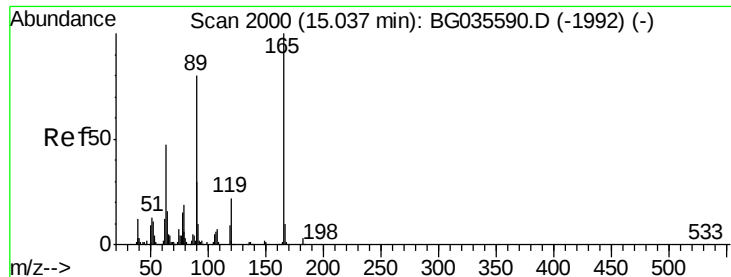
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	30.0	45.0
170	23.5	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.556 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. 0.42 min
 Lab File: BG035622.D
 Acq: 13 Jul 2018 9:30

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

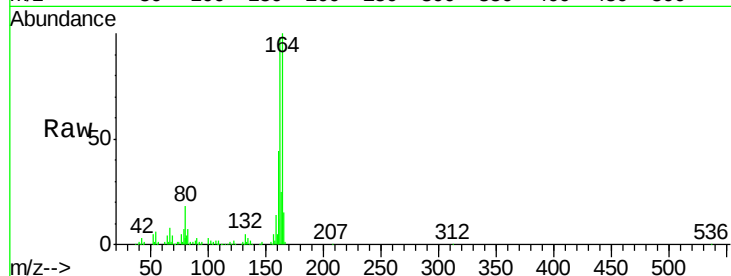




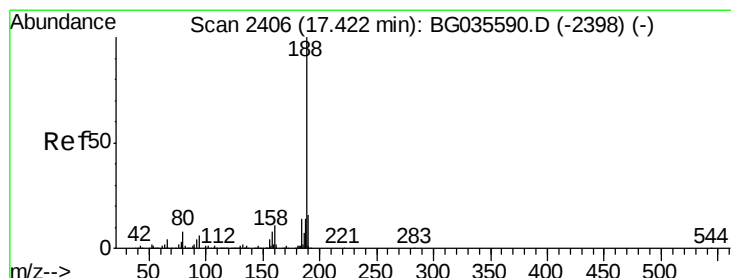
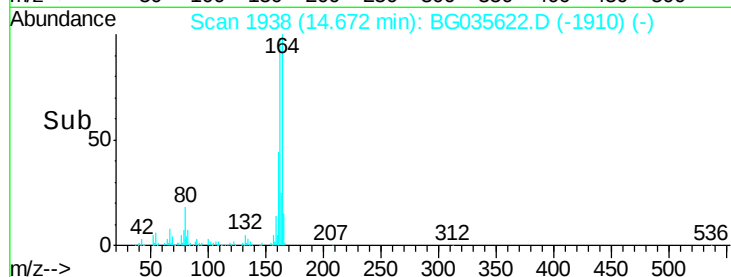
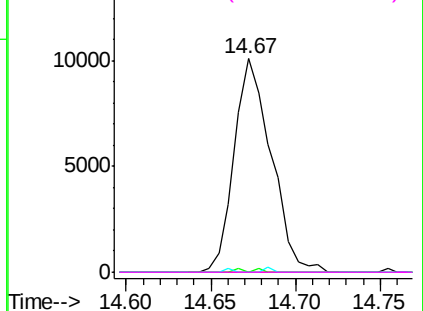
#56
2,4-Dinitrotoluene
Concen: 5.267 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.37 min
Lab File: BG035622.D
Acq: 13 Jul 2018 9:30

Instrument :
BNA_G
ClientSampleId :
PB111025BL

Tgt Ion:165 Resp: 15325
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#

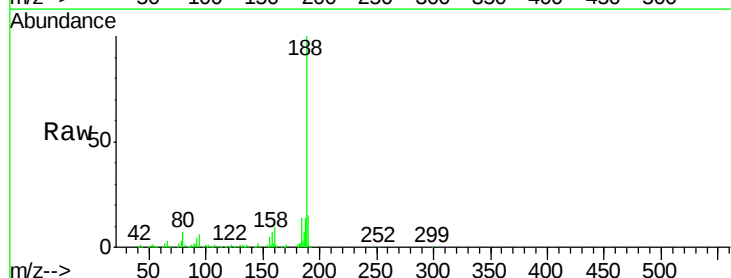


Abundance Ion 165.00 (164.70 to 165.70): E

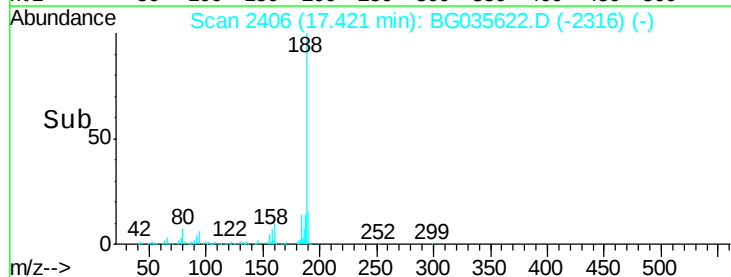
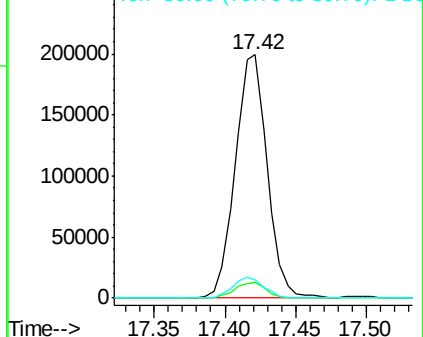


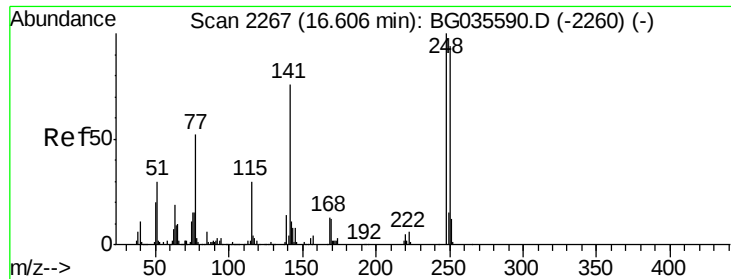
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2406
Delta R.T. -0.00 min
Lab File: BG035622.D
Acq: 13 Jul 2018 9:30

Tgt Ion:188 Resp: 313793
Ion Ratio Lower Upper
188 100
94 6.3 6.9 10.3#
80 7.3 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

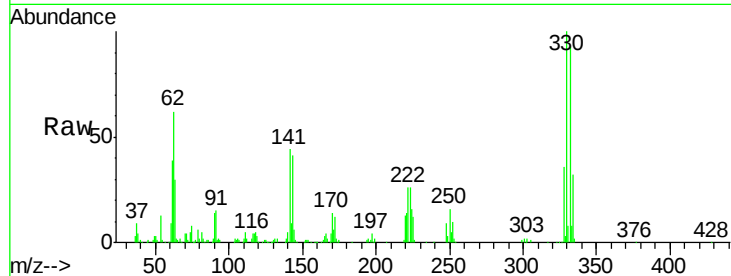




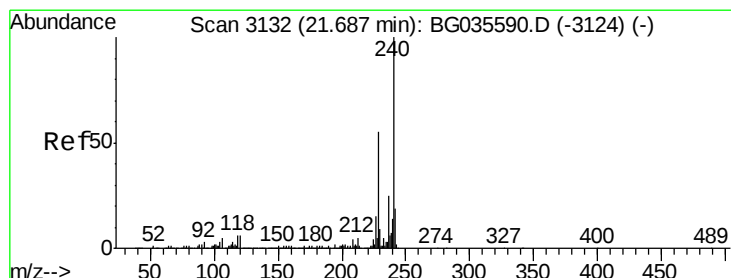
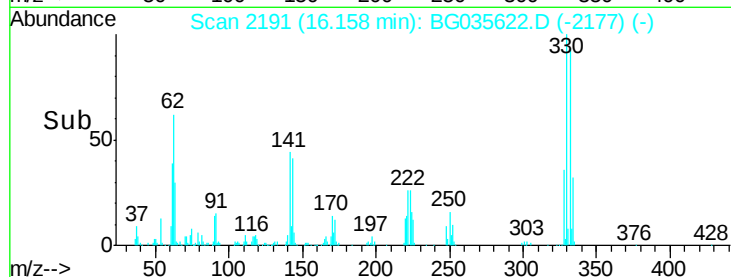
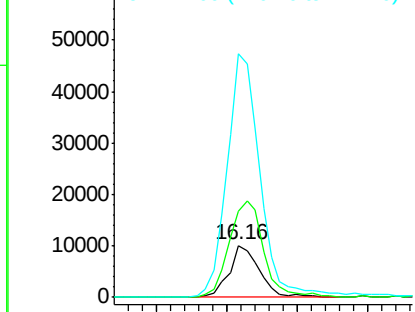
#66
4-Bromophenyl-phenylether
Concen: 4.170 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.45 min
Lab File: BG035622.D
Acq: 13 Jul 2018 9:30

Instrument :
BNA_G
ClientSampleId :
PB111025BL

Tgt Ion:248 Resp: 15181
Ion Ratio Lower Upper
248 100
250 165.3 77.1 115.7#
141 468.6 50.8 76.2#

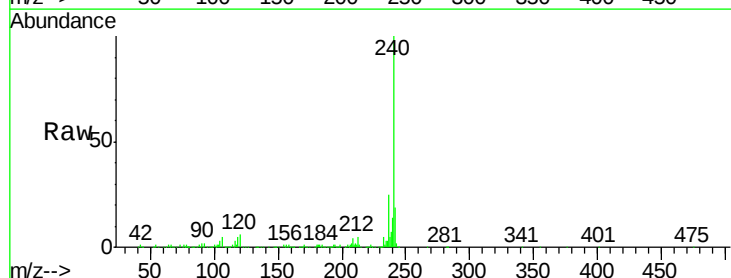


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

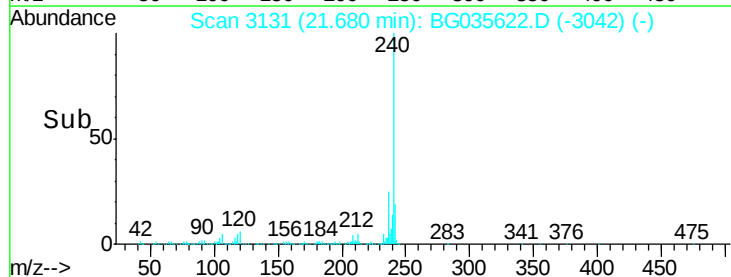
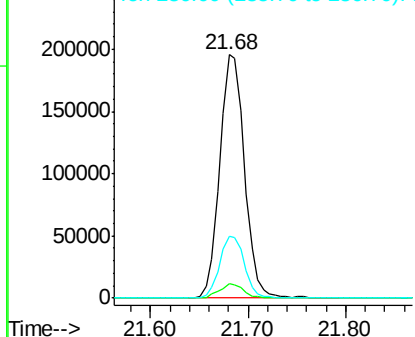


#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BG035622.D
Acq: 13 Jul 2018 9:30

Tgt Ion:240 Resp: 343132
Ion Ratio Lower Upper
240 100
120 5.8 6.8 10.2#
236 25.3 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: 2.810 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG035622.D

Acq: 13 Jul 2018 9:30

Instrument :

BNA_G

ClientSampleId :

PB111025BL

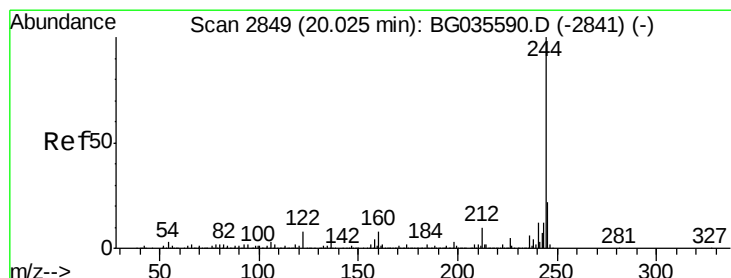
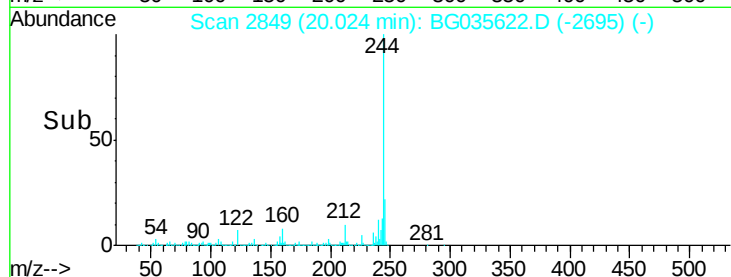
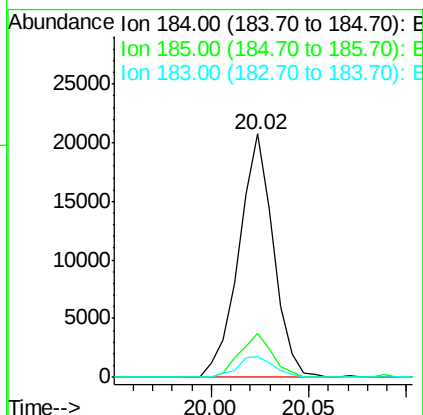
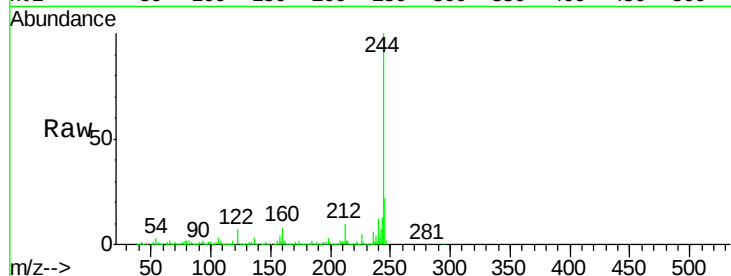
Tgt Ion:184 Resp: 25349

Ion Ratio Lower Upper

184 100

185 17.8 11.1 16.7#

183 8.4 10.6 16.0#



#78

Terphenyl-d14

Concen: 91.894 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG035622.D

Acq: 13 Jul 2018 9:30

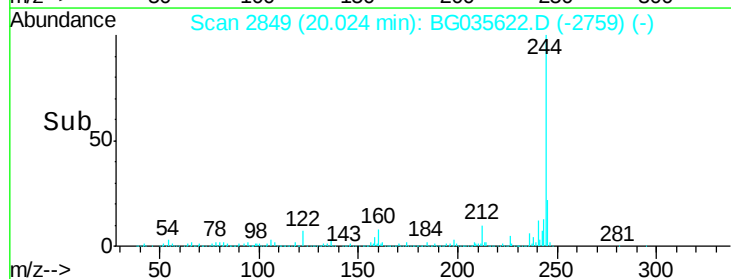
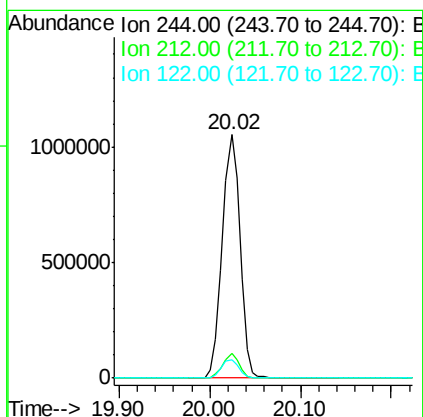
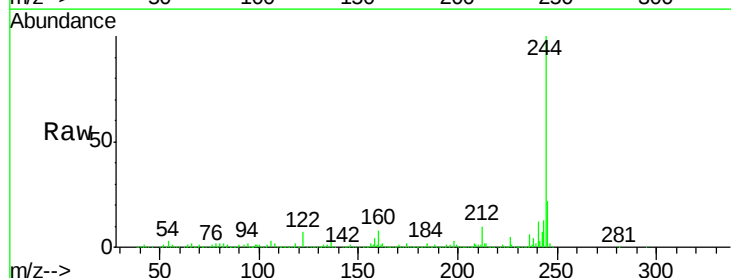
Tgt Ion:244 Resp: 1430471

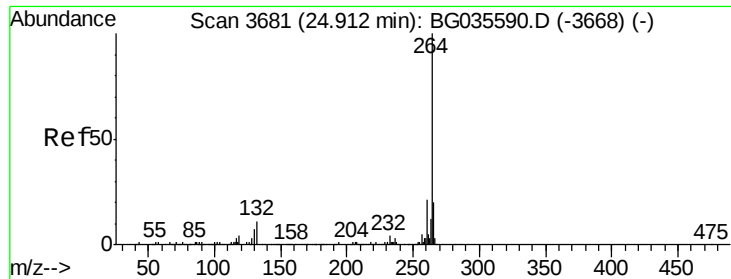
Ion Ratio Lower Upper

244 100

212 9.9 5.8 8.8#

122 7.3 7.0 10.4

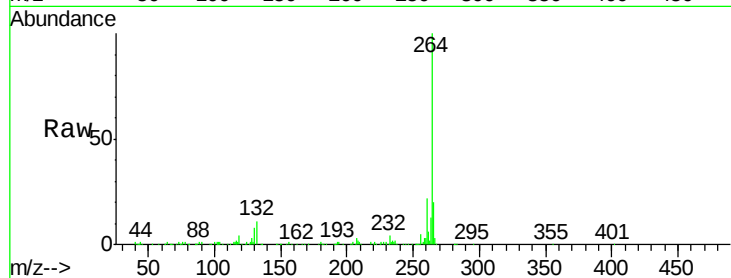




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3679
Delta R.T. -0.01 min
Lab File: BG035622.D
Acq: 13 Jul 2018 9:30

Instrument :
BNA_G
ClientSampleId :
PB111025BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.4	26.0
265	20.3	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

