

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071218\
 Data File : BG035610.D
 Acq On : 13 Jul 2018 1:04
 Operator : JU/SJ
 Sample : J3947-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PAR-3

Quant Time: Jul 13 04:36:10 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	43055	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	162073	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	119299	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	332850	20.00	ng	0.00
75) Chrysene-d12	21.68	240	367258	20.00	ng	0.00
86) Perylene-d12	24.90	264	335216	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	313562	120.91	ng	0.00
7) Phenol-d6	7.22	99	405899	104.91	ng	0.00
23) Nitrobenzene-d5	9.22	82	338824	87.33	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	221934	141.14	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	745193	83.69	ng	0.00
78) Terphenyl-d14	20.03	244	1465842	87.98	ng	0.00

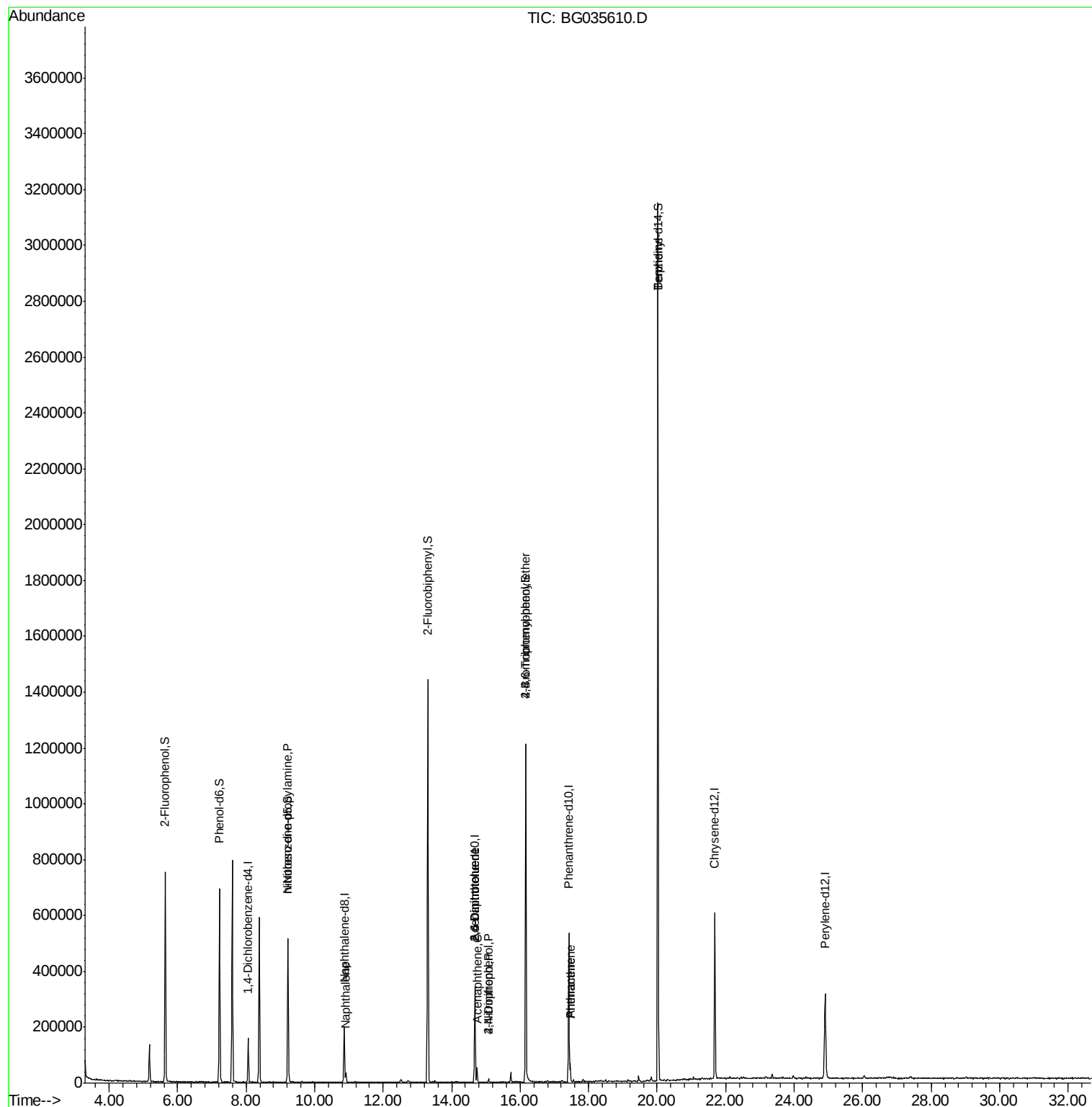
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.22	70	48408	14.857	ng	# 68
31) Naphthalene	10.91	128	28051	3.323	ng	# 90
50) 2,6-Dinitrotoluene	14.68	165	16606	7.802	ng	# 21
51) Acenaphthene	14.74	154	20248	2.697	ng	# 96
53) 2,4-Dinitrophenol	15.07	184	91	6.658	ng	# 1
55) 4-Nitrophenol	15.07	139	3454	2.229	ng	# 1
56) 2,4-Dinitrotoluene	14.68	165	16606	5.438	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	17549	4.544	ng	# 1
70) Phenanthrene	17.46	178	41089	2.474	ng	# 96
71) Anthracene	17.46	178	41089	2.485	ng	# 95
76) Benzydine	20.03	184	27084	2.805	ng	# 91

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

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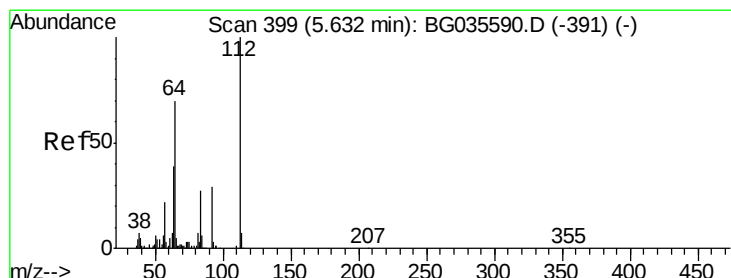
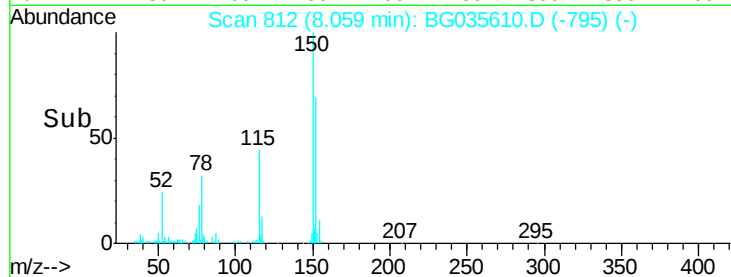
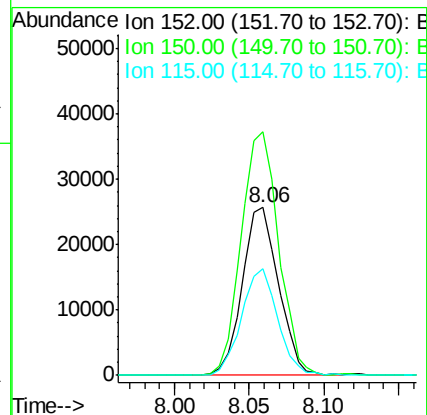
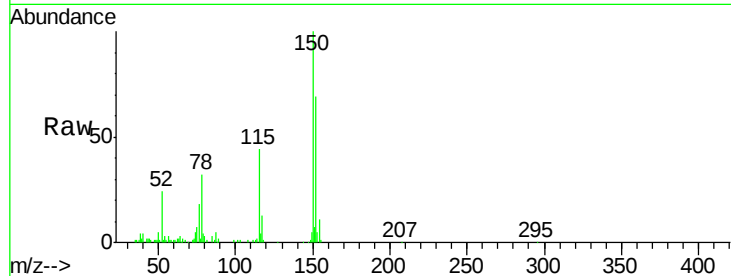


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. 0.00 min
Lab File: BG035610.D
Acq: 13 Jul 2018 1:04

Instrument :
BNA_G
ClientSampled :
PAR-3

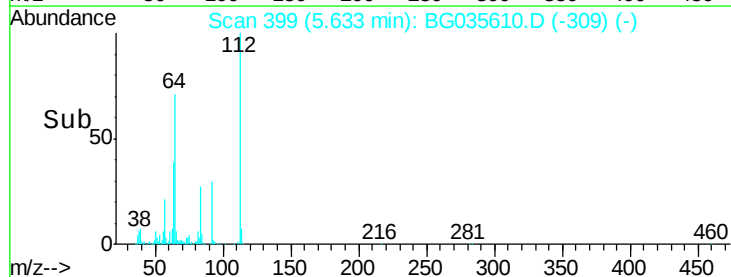
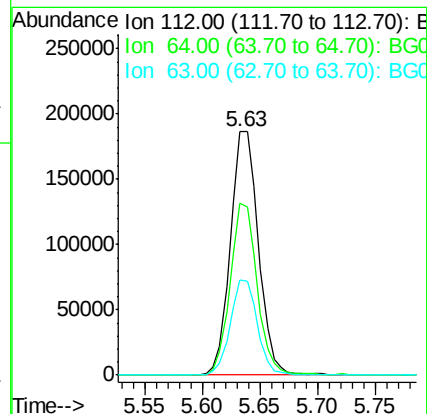
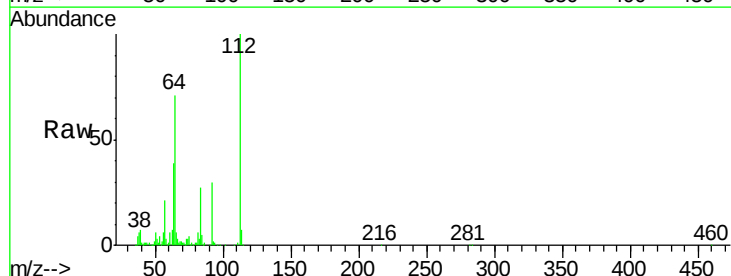
Tgt Ion	Ratio	Lower	Upper
152	100		
150	145.2	126.6	189.8
115	63.5	53.0	79.4

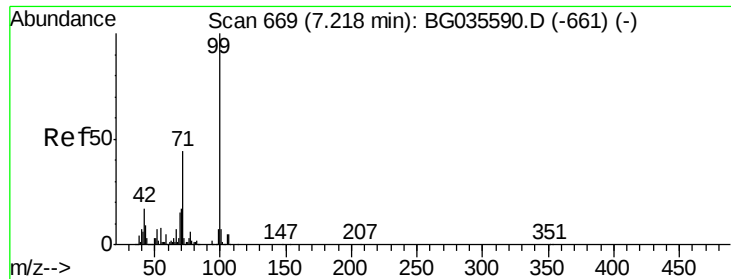


#5

2-Fluorophenol
Concen: 120.912 ng
RT: 5.63 min Scan# 399
Delta R.T. 0.00 min
Lab File: BG035610.D
Acq: 13 Jul 2018 1:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.8	56.3	84.5
63	39.0	30.1	45.1





#7

Phenol-d6

Concen: 104.906 ng

RT: 7.22 min Scan# 669

Delta R.T. 0.00 min

Lab File: BG035610.D

Acq: 13 Jul 2018 1:04

Instrument :

BNA_G

ClientSampleId :

PAR-3

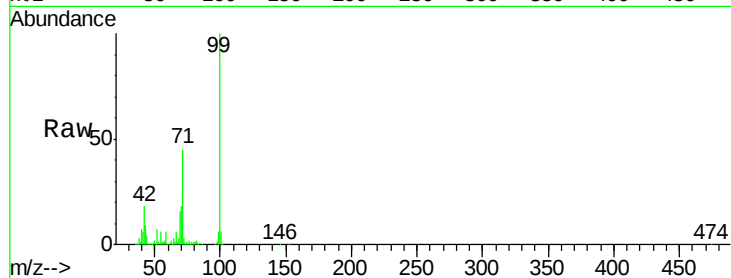
Tgt Ion: 99 Resp: 405899

Ion Ratio Lower Upper

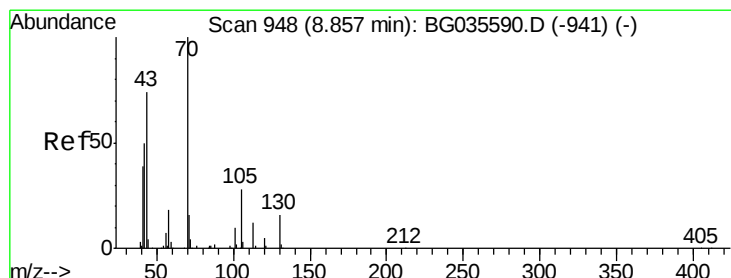
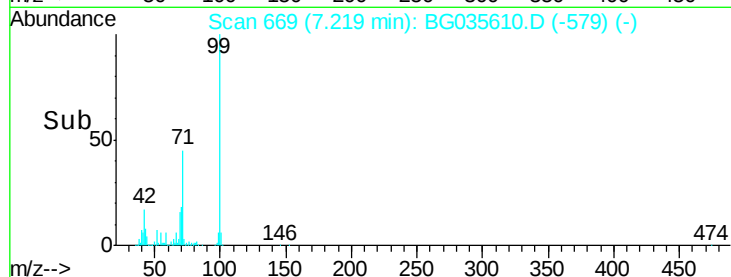
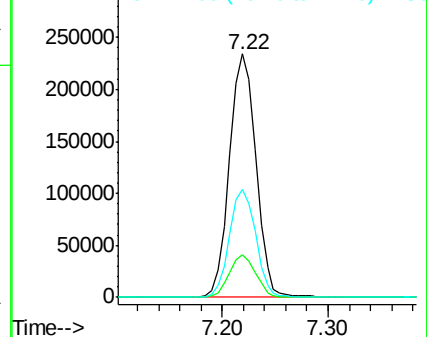
99 100

42 17.5 14.1 21.1

71 44.6 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: 14.857 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.36 min

Lab File: BG035610.D

Acq: 13 Jul 2018 1:04

Tgt Ion: 70 Resp: 48408

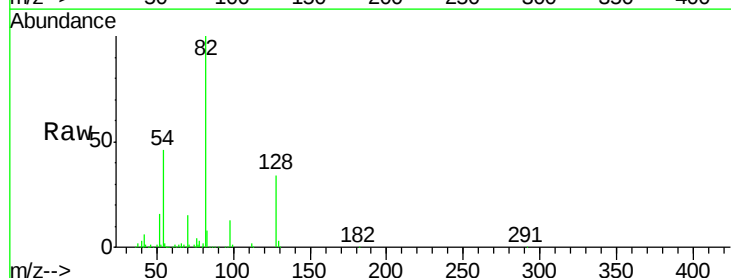
Ion Ratio Lower Upper

70 100

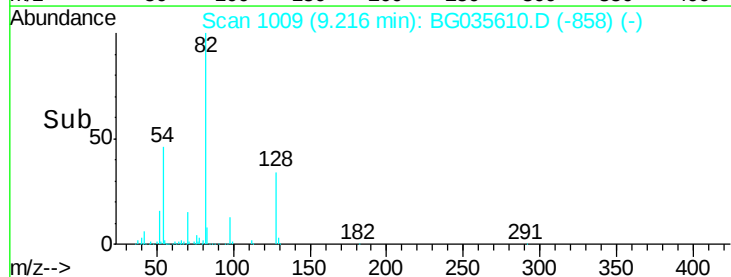
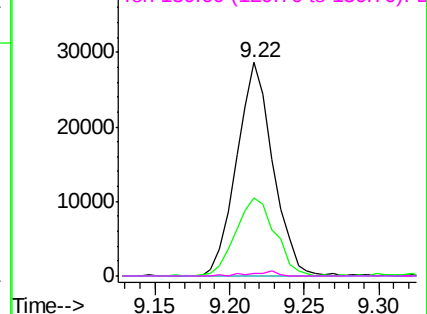
42 36.7 49.1 73.7#

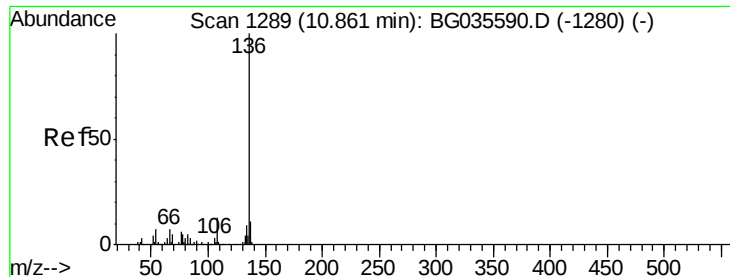
101 0.0 8.5 12.7#

130 1.2 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

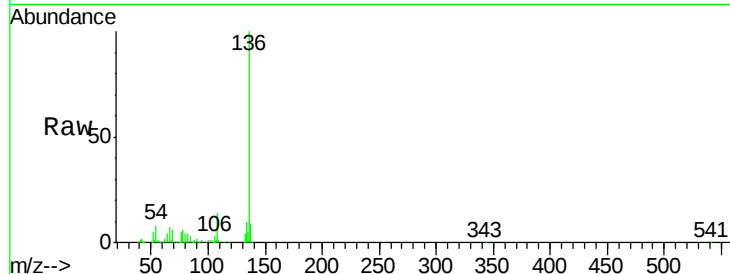




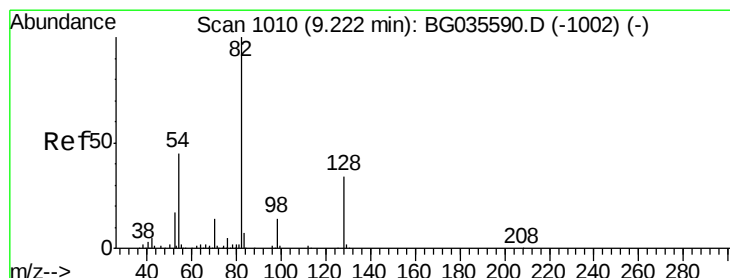
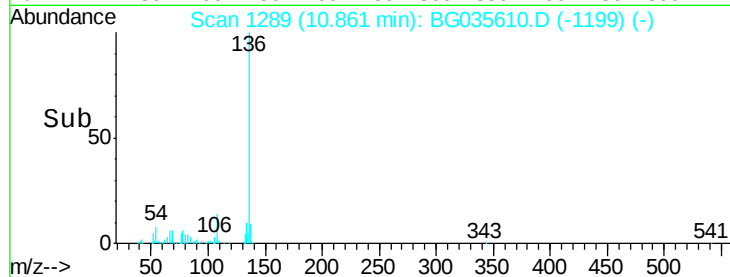
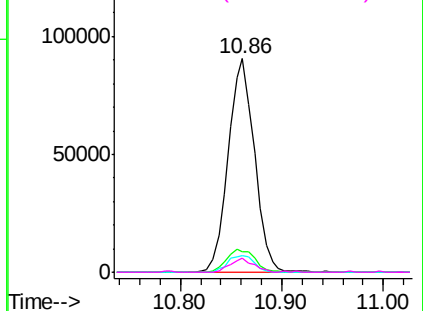
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. 0.00 min
Lab File: BG035610.D
Acq: 13 Jul 2018 1:04

Instrument :
BNA_G
ClientSampleId :
PAR-3

Tgt Ion:	136	Resp:	162073
Ion	Ratio	Lower	Upper
136	100		
137	9.5	9.2	13.8
54	8.1	10.3	15.5#
68	6.3	4.5	6.7

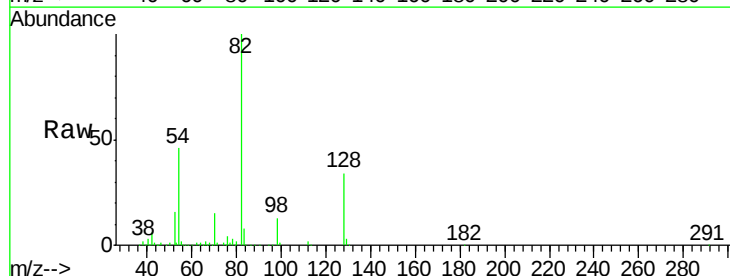


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

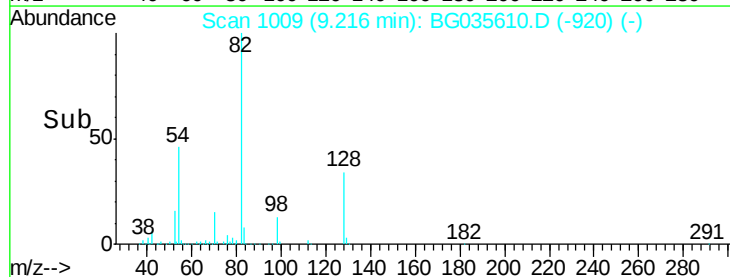
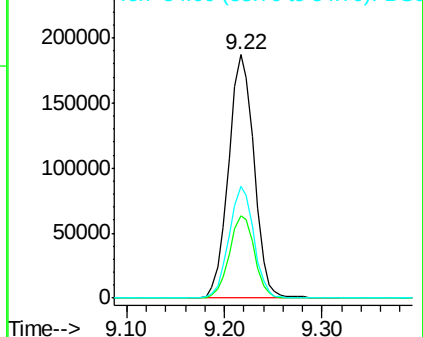


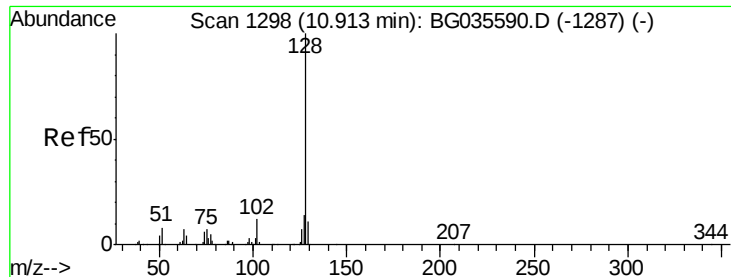
#23
Nitrobenzene-d5
Concen: 87.333 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BG035610.D
Acq: 13 Jul 2018 1:04

Tgt Ion:	82	Resp:	338824
Ion	Ratio	Lower	Upper
82	100		
128	33.6	29.7	44.5
54	46.2	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

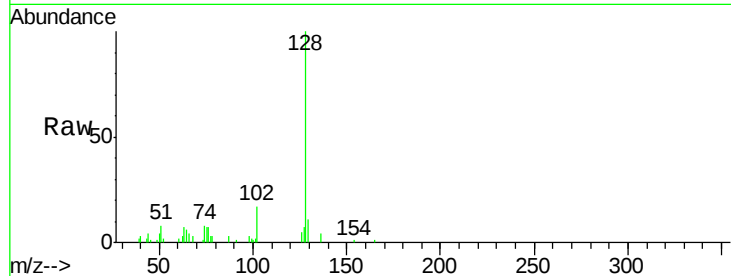




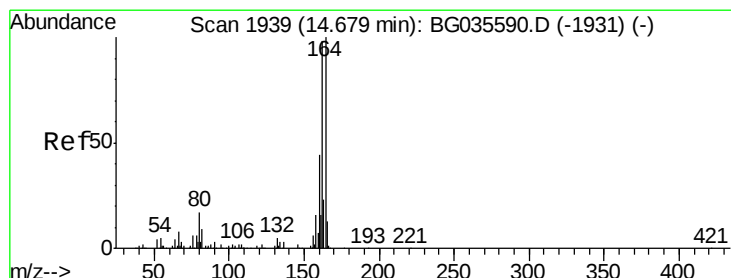
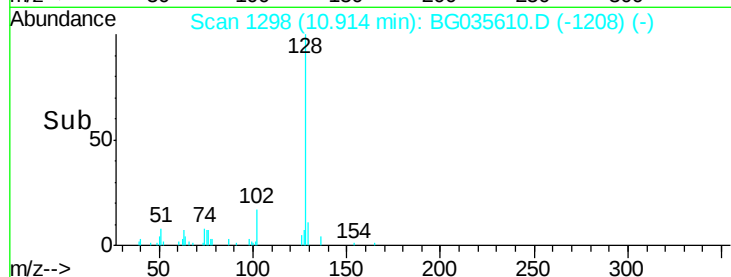
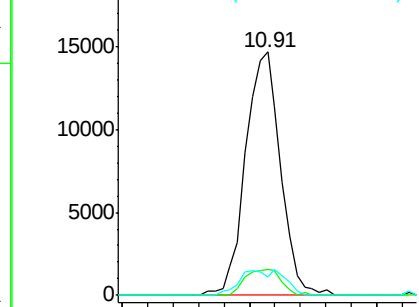
#31
Naphthalene
Concen: 3.323 ng
RT: 10.91 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BG035610.D
Acq: 13 Jul 2018 1:04

Instrument :
BNA_G
ClientSampleId :
PAR-3

Tgt Ion:128 Resp: 28051
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 7.4 11.6 17.4#

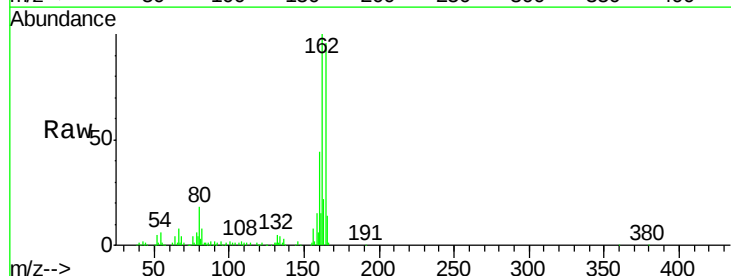


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

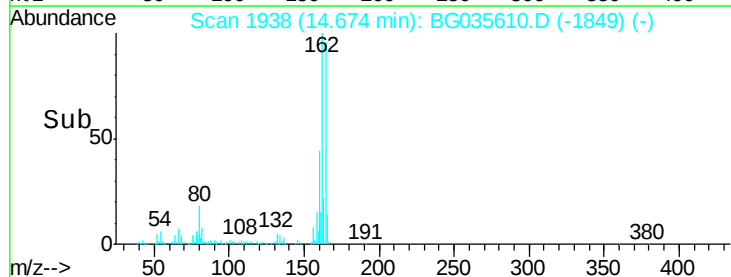
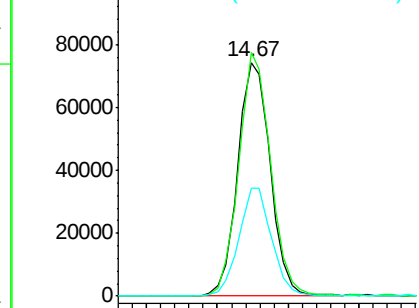


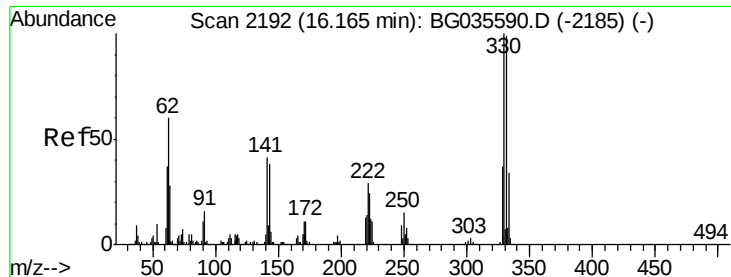
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BG035610.D
Acq: 13 Jul 2018 1:04

Tgt Ion:164 Resp: 119299
Ion Ratio Lower Upper
164 100
162 104.2 78.8 118.2
160 46.3 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

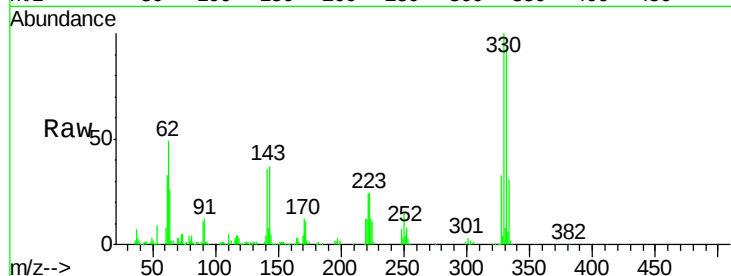




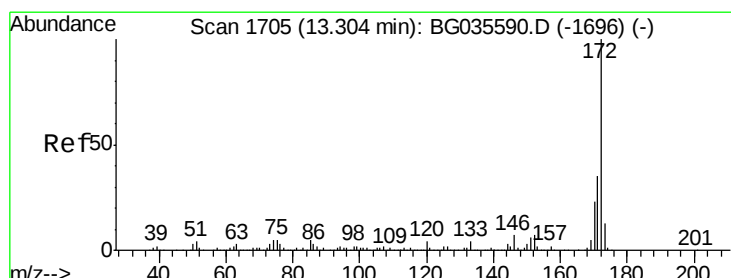
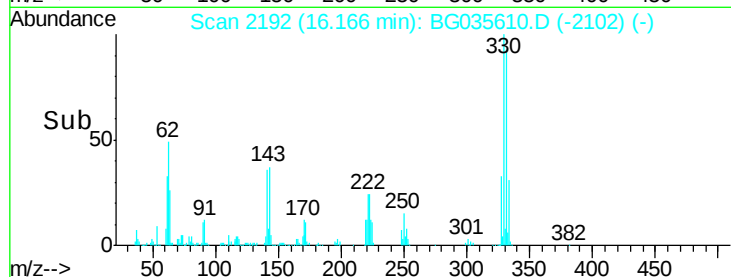
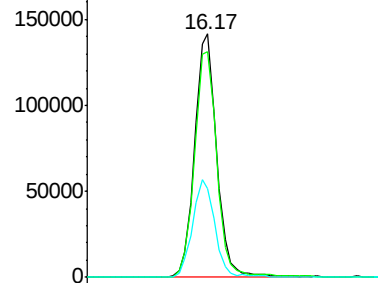
#41
 2,4,6-Tribromophenol
 Concen: 141.140 ng
 RT: 16.17 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: BG035610.D
 Acq: 13 Jul 2018 1:04

Instrument :
 BNA_G
 ClientSampled :
 PAR-3

Tgt Ion:330 Resp: 221934
 Ion Ratio Lower Upper
 330 100
 332 94.1 77.0 115.6
 141 40.6 25.2 37.8#

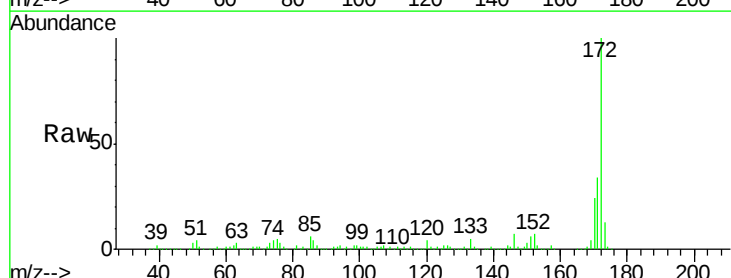


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

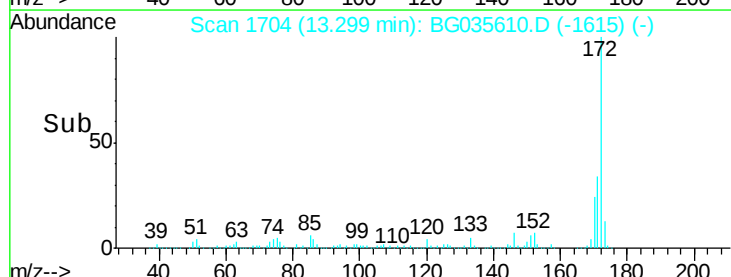
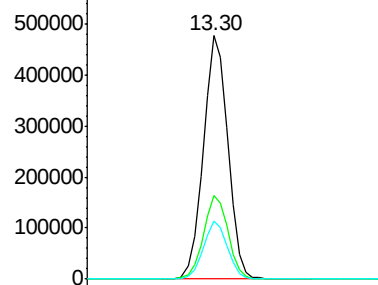


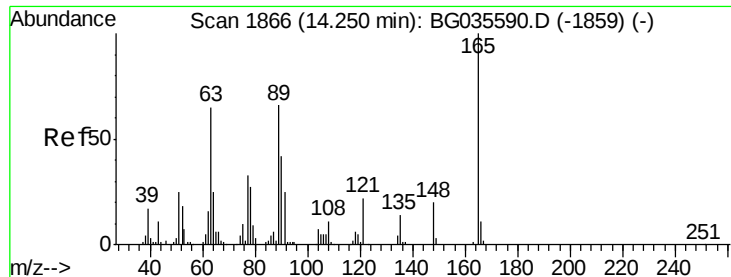
#44
 2-Fluorobiphenyl
 Concen: 83.686 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BG035610.D
 Acq: 13 Jul 2018 1:04

Tgt Ion:172 Resp: 745193
 Ion Ratio Lower Upper
 172 100
 171 34.5 30.0 45.0
 170 24.0 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

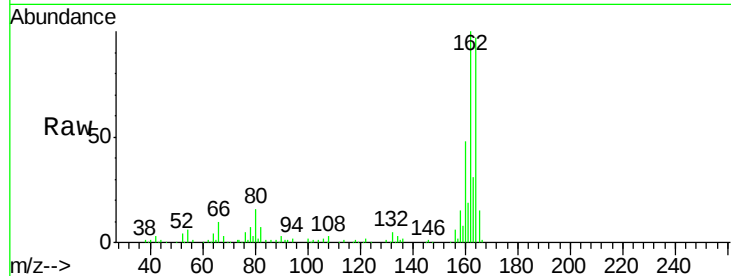




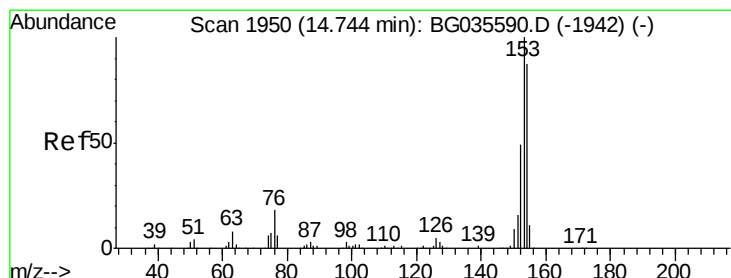
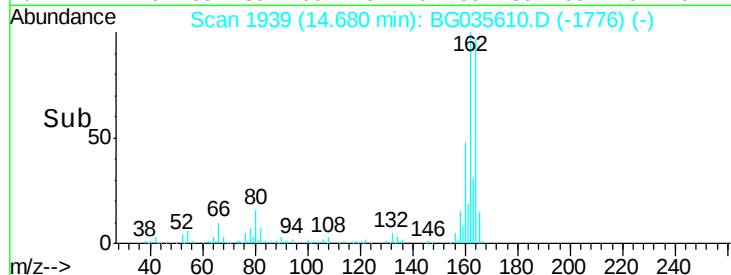
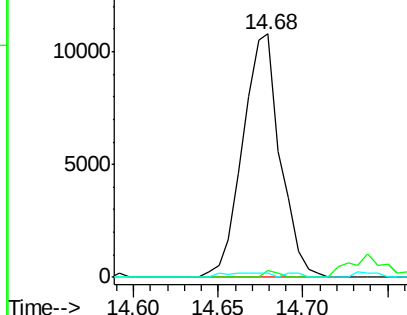
#50
2,6-Dinitrotoluene
Concen: 7.802 ng
RT: 14.68 min Scan# 1939
Delta R.T. 0.43 min
Lab File: BG035610.D
Acq: 13 Jul 2018 1:04

Instrument :
BNA_G
ClientSampleId :
PAR-3

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.0	52.7	79.1#
89	1.5	49.2	73.8#

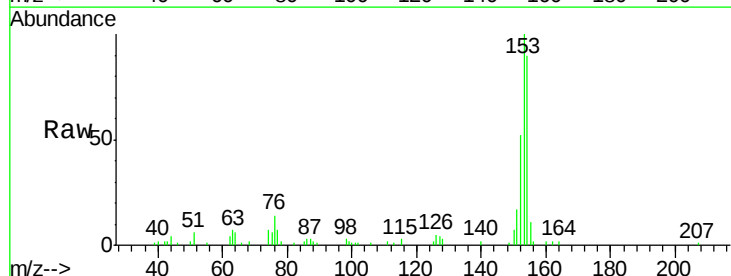


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

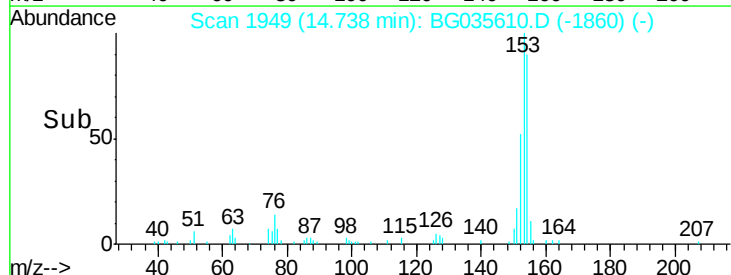
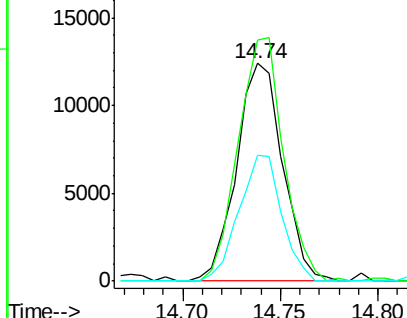


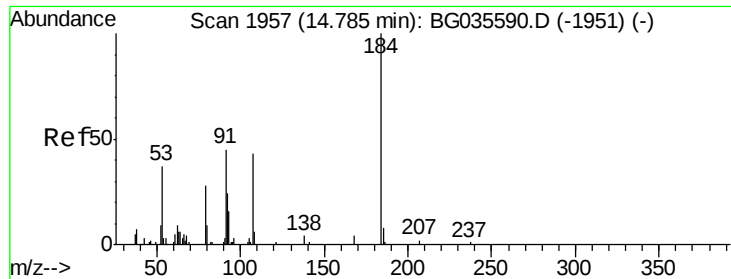
#51
Acenaphthene
Concen: 2.697 ng
RT: 14.74 min Scan# 1949
Delta R.T. -0.01 min
Lab File: BG035610.D
Acq: 13 Jul 2018 1:04

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.7	90.4	135.6
152	57.9	41.6	62.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

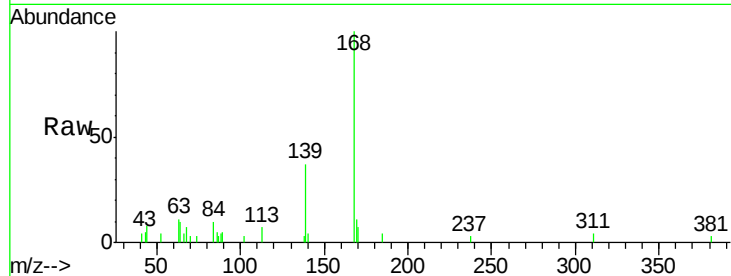




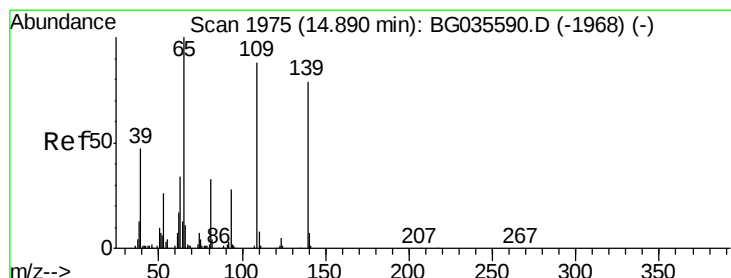
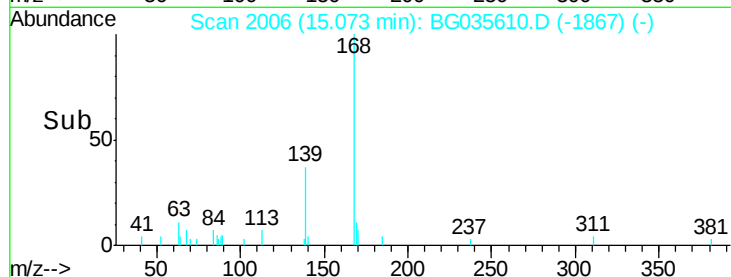
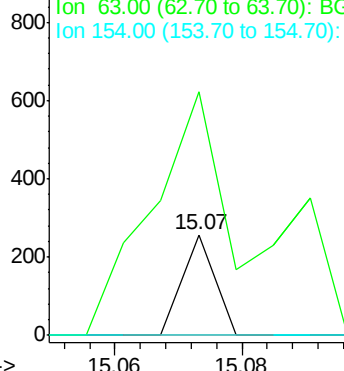
#53
2,4-Dinitrophenol
Concen: 6.658 ng
RT: 15.07 min Scan# 2006
Delta R.T. 0.29 min
Lab File: BG035610.D
Acq: 13 Jul 2018 1:04

Instrument :
BNA_G
ClientSampleId :
PAR-3

Tgt Ion:184 Resp: 91
Ion Ratio Lower Upper
184 100
63 242.0 59.8 89.8#
154 0.0 101.8 152.8#

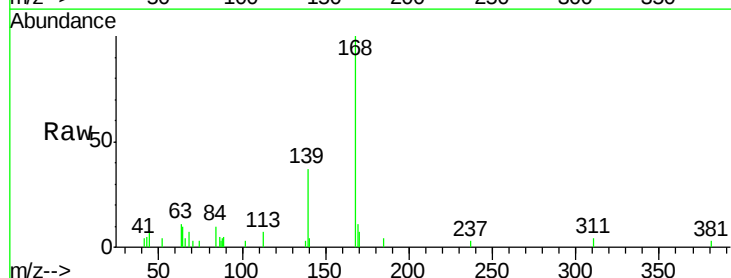


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

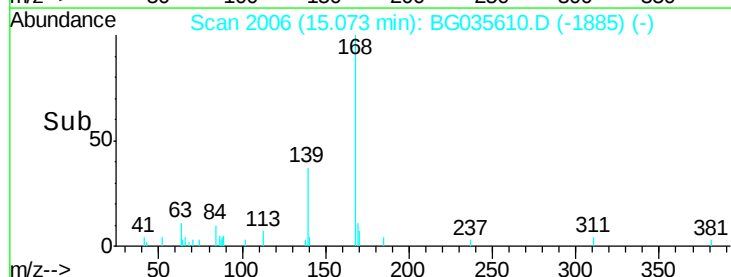
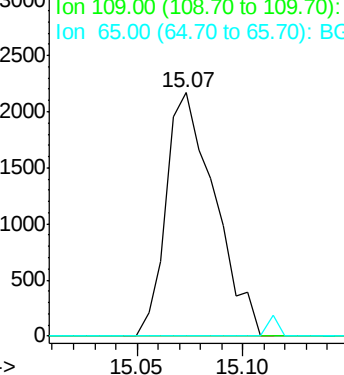


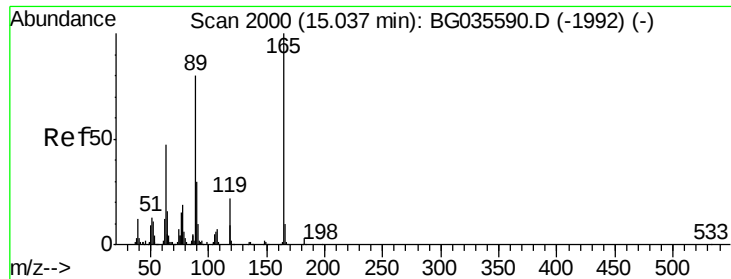
#55
4-Nitrophenol
Concen: 2.229 ng
RT: 15.07 min Scan# 2006
Delta R.T. 0.18 min
Lab File: BG035610.D
Acq: 13 Jul 2018 1:04

Tgt Ion:139 Resp: 3454
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BG

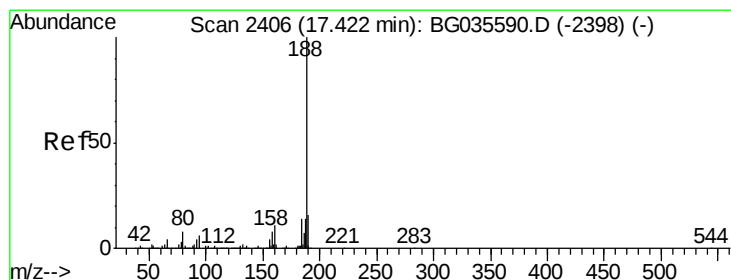
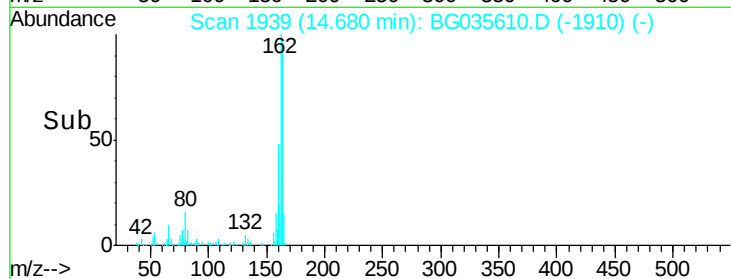
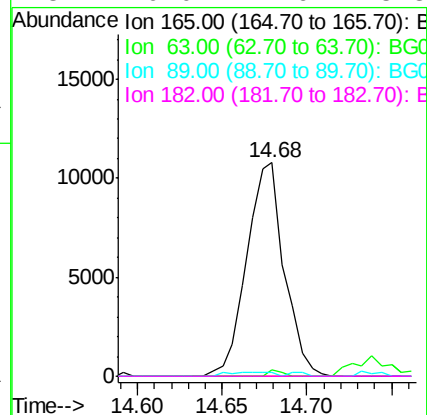
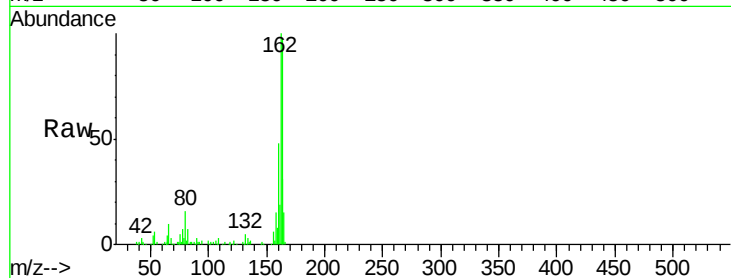




#56
 2,4-Dinitrotoluene
 Concen: 5.438 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.36 min
 Lab File: BG035610.D
 Acq: 13 Jul 2018 1:04

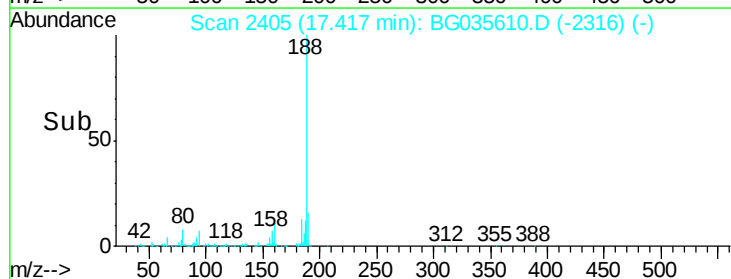
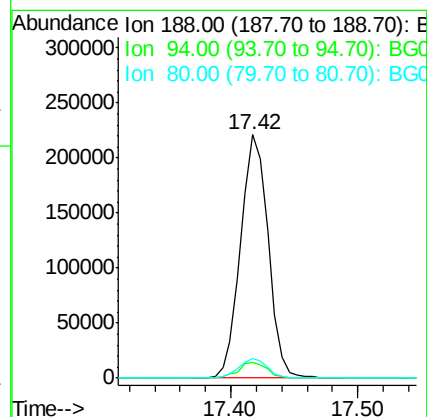
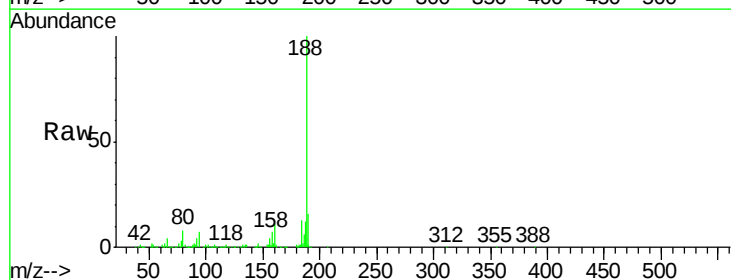
Instrument :
 BNA_G
 ClientSampleId :
 PAR-3

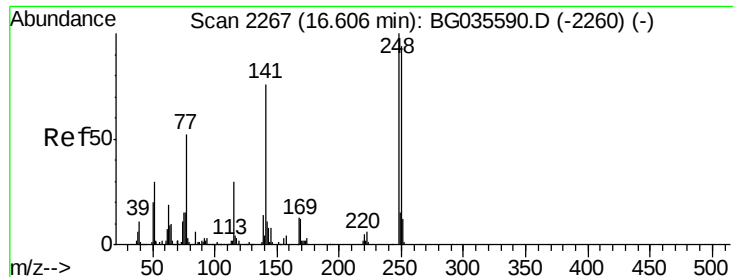
Tgt Ion:165 Resp: 16606
 Ion Ratio Lower Upper
 165 100
 63 3.0 42.0 63.0#
 89 1.5 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.01 min
 Lab File: BG035610.D
 Acq: 13 Jul 2018 1:04

Tgt Ion:188 Resp: 332850
 Ion Ratio Lower Upper
 188 100
 94 6.7 6.9 10.3#
 80 8.1 7.7 11.5

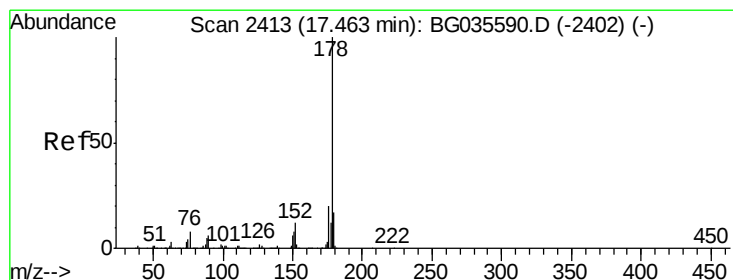
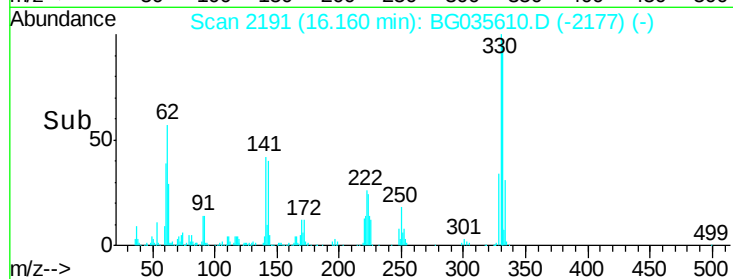
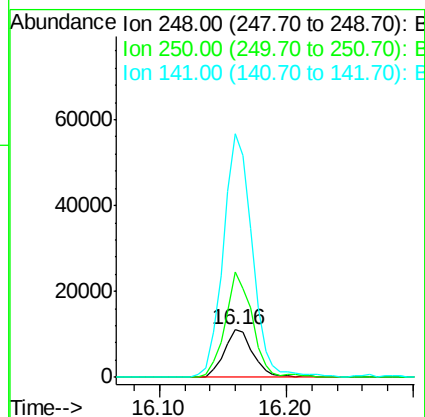
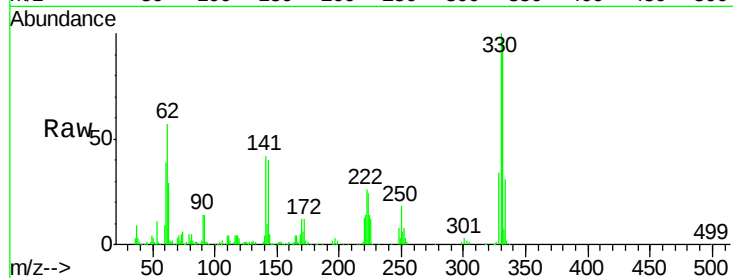




#66
 4-Bromophenyl-phenylether
 Concen: 4.544 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.45 min
 Lab File: BG035610.D
 Acq: 13 Jul 2018 1:04

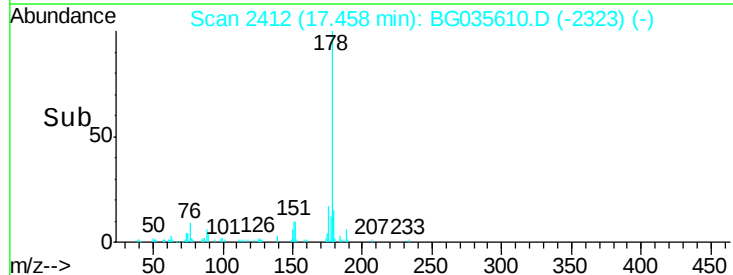
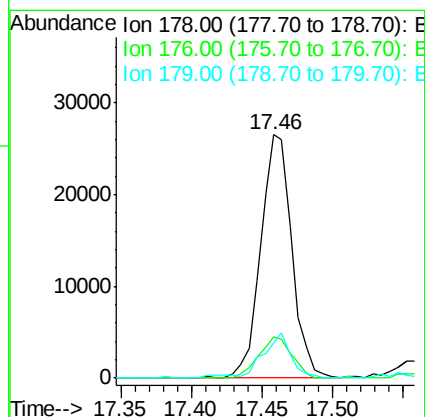
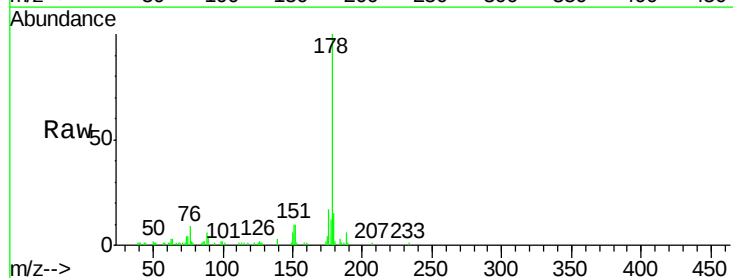
Instrument :
 BNA_G
 ClientSampleId :
 PAR-3

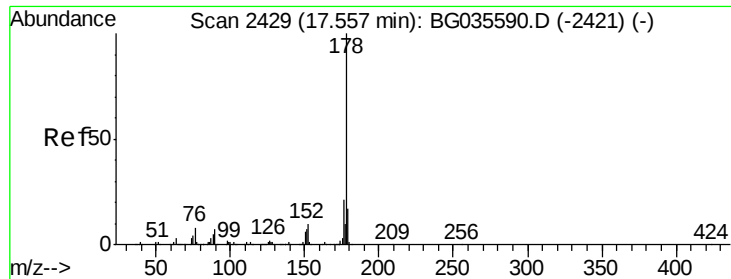
Tgt Ion:248 Resp: 17549
 Ion Ratio Lower Upper
 248 100
 250 220.7 77.1 115.7#
 141 512.6 50.8 76.2#



#70
 Phenanthrene
 Concen: 2.474 ng
 RT: 17.46 min Scan# 2412
 Delta R.T. -0.01 min
 Lab File: BG035610.D
 Acq: 13 Jul 2018 1:04

Tgt Ion:178 Resp: 41089
 Ion Ratio Lower Upper
 178 100
 176 16.9 15.7 23.5
 179 14.5 12.5 18.7

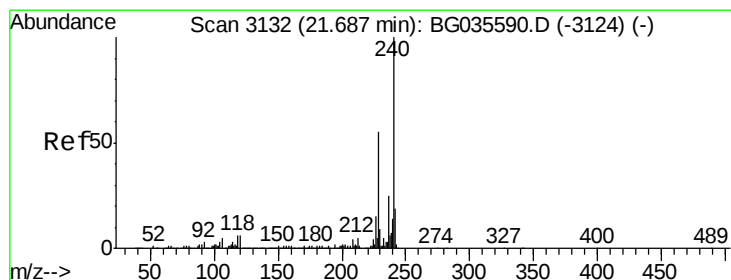
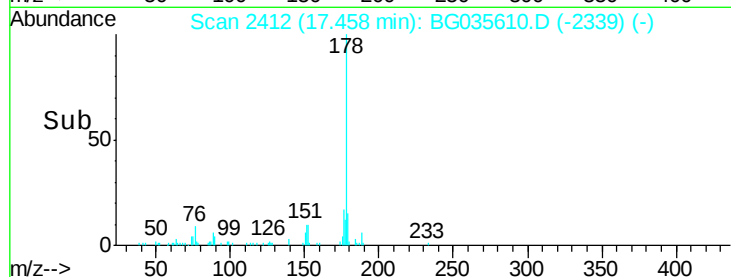
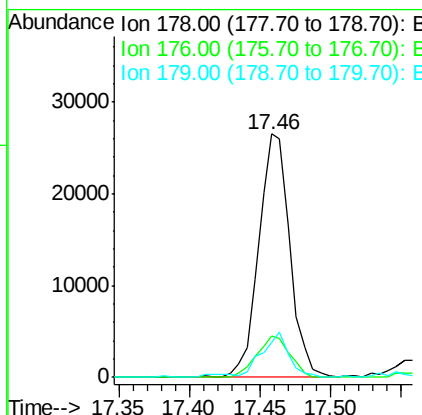
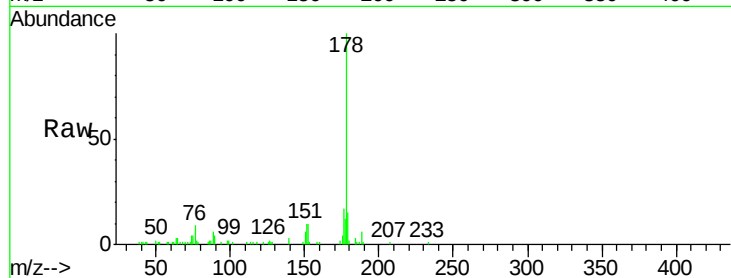




#71
 Anthracene
 Concen: 2.485 ng
 RT: 17.46 min Scan# 2412
 Delta R.T. -0.10 min
 Lab File: BG035610.D
 Acq: 13 Jul 2018 1:04

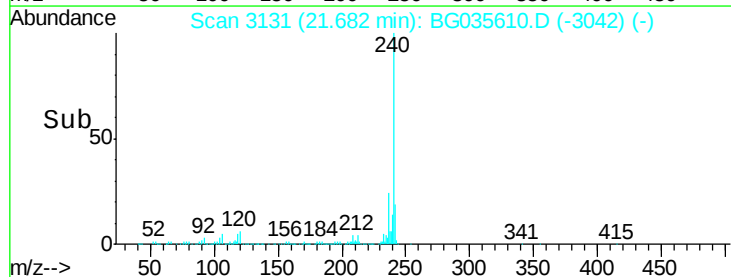
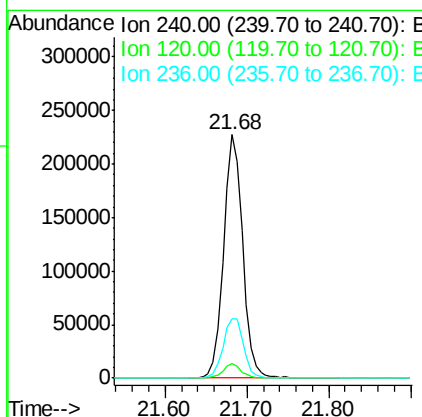
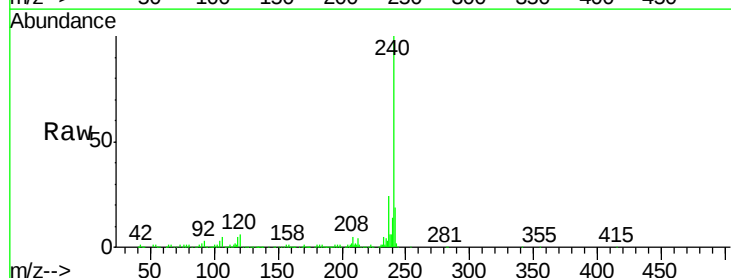
Instrument :
 BNA_G
 ClientSampleId :
 PAR-3

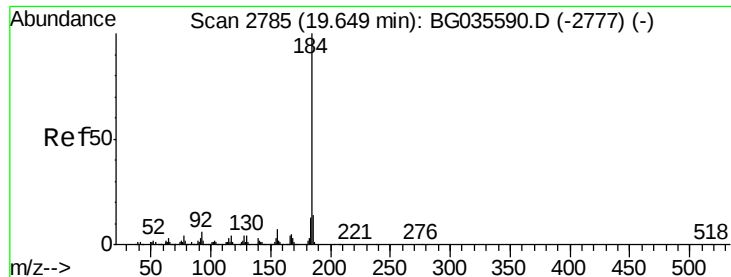
Tgt Ion:178 Resp: 41089
 Ion Ratio Lower Upper
 178 100
 176 16.9 16.0 24.0
 179 14.5 12.5 18.7



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.01 min
 Lab File: BG035610.D
 Acq: 13 Jul 2018 1:04

Tgt Ion:240 Resp: 367258
 Ion Ratio Lower Upper
 240 100
 120 6.1 6.8 10.2#
 236 24.4 20.9 31.3





#76

Benzidine

Concen: 2.805 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG035610.D

Acq: 13 Jul 2018 1:04

Instrument :

BNA_G

ClientSampled :

PAR-3

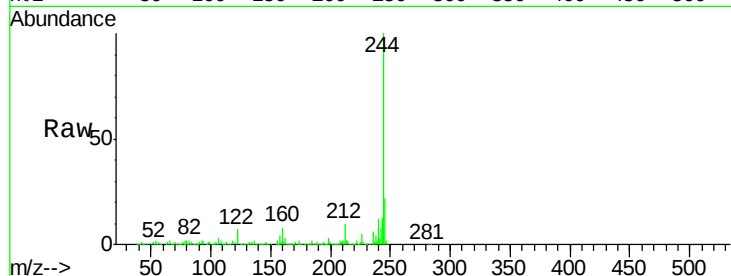
Tgt Ion:184 Resp: 27084

Ion Ratio Lower Upper

184 100

185 17.1 11.1 16.7#

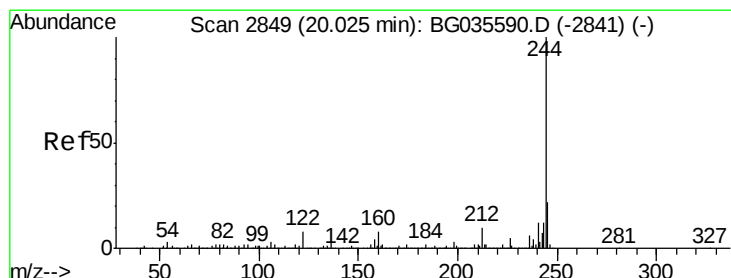
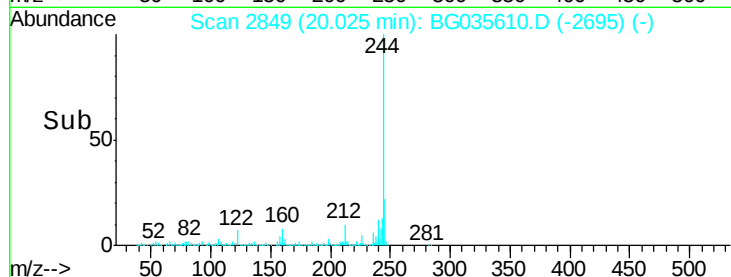
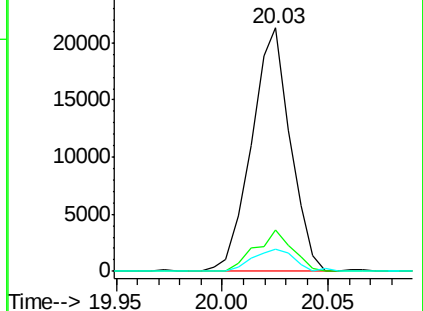
183 8.9 10.6 16.0#



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: 87.981 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.00 min

Lab File: BG035610.D

Acq: 13 Jul 2018 1:04

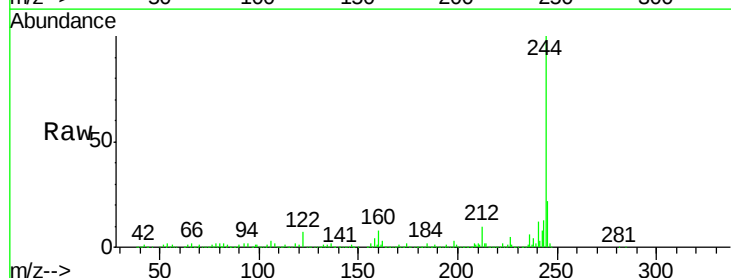
Tgt Ion:244 Resp: 1465842

Ion Ratio Lower Upper

244 100

212 9.9 5.8 8.8#

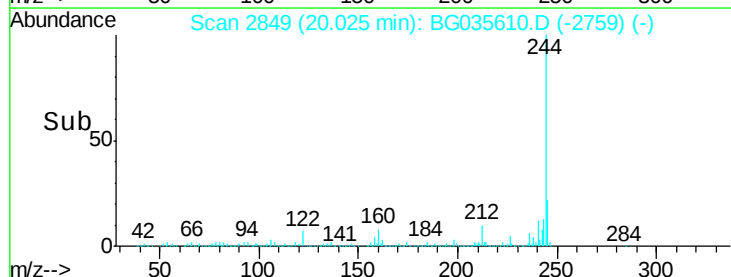
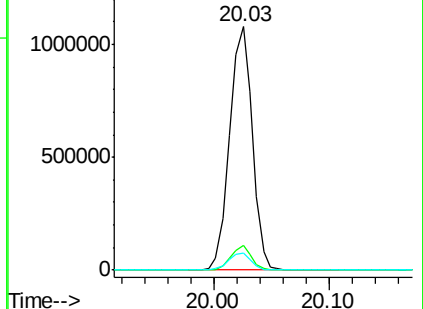
122 7.0 7.0 10.4

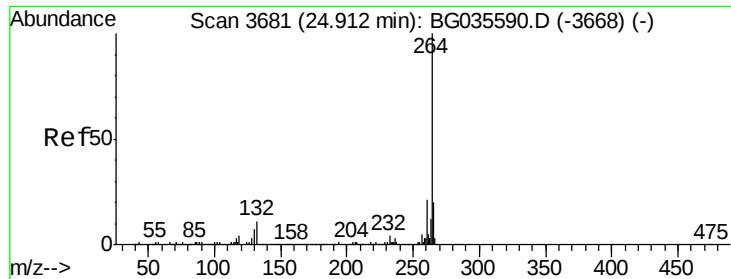


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

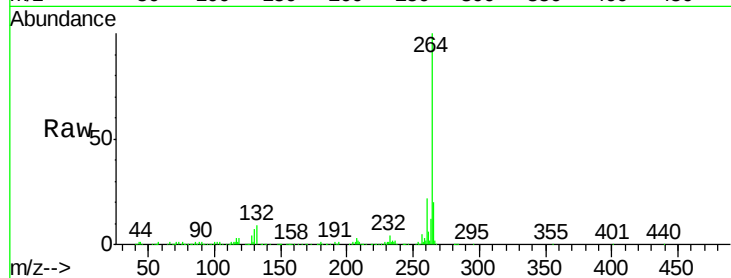




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3679
Delta R.T. -0.01 min
Lab File: BG035610.D
Acq: 13 Jul 2018 1:04

Instrument :
BNA_G
ClientSampleId :
PAR-3

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.9	17.4	26.0
265	19.9	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

