

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG120718\
 Data File : BG038426.D
 Acq On : 8 Dec 2018 7:16
 Operator : JU/SJ
 Sample : J6019-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-1

Quant Time: Dec 10 02:51:49 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG120418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 04 17:15:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	31495	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	114589	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	78581	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	190220	20.00	ng	0.00
76) Chrysene-d12	21.73	240	183418	20.00	ng	-0.01
87) Perylene-d12	25.03	264	190456	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	98540	55.37	ng	0.00
7) Phenol-d6	7.22	99	95493	37.12	ng	0.00
23) Nitrobenzene-d5	9.24	82	203156	88.02	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	146168	151.52	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	499648	90.60	ng	0.00
79) Terphenyl-d14	20.05	244	783371	91.49	ng	0.00

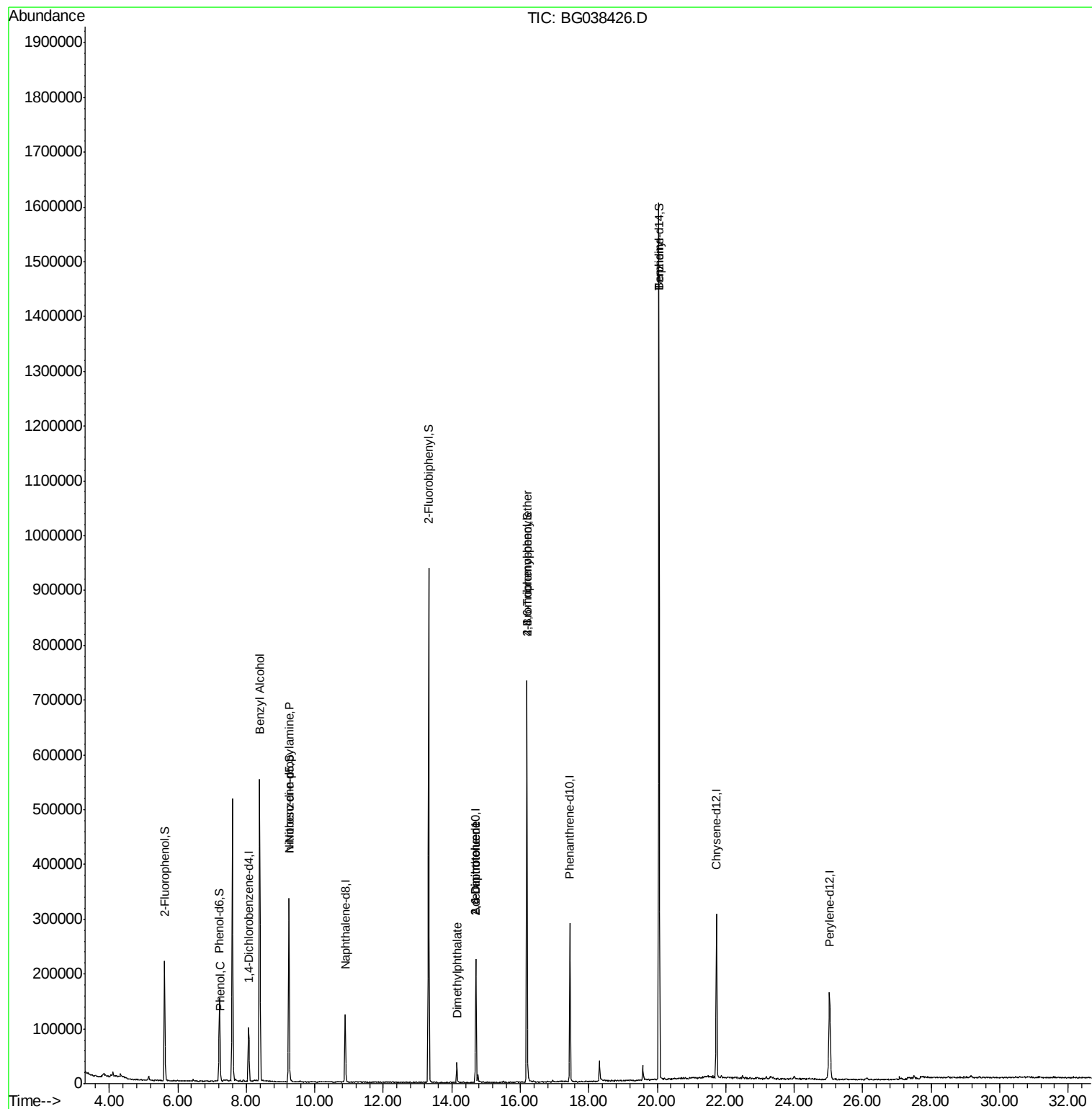
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.24	94	7007	2.578	ng	95
15) Benzyl Alcohol	8.39	79	4707	2.226	ng	# 39
19) n-Nitroso-di-n-propylamine	9.24	70	27221	13.061	ng	# 76
50) Dimethylphthalate	14.15	163	27722	4.398	ng	99
51) 2,6-Dinitrotoluene	14.70	165	10182	7.072	ng	# 26
57) 2,4-Dinitrotoluene	14.70	165	10182	5.127	ng	# 26
67) 4-Bromophenyl-phenylether	16.19	248	9842	4.791	ng	# 1
77) Benzidine	20.05	184	14407	2.328	ng	# 94

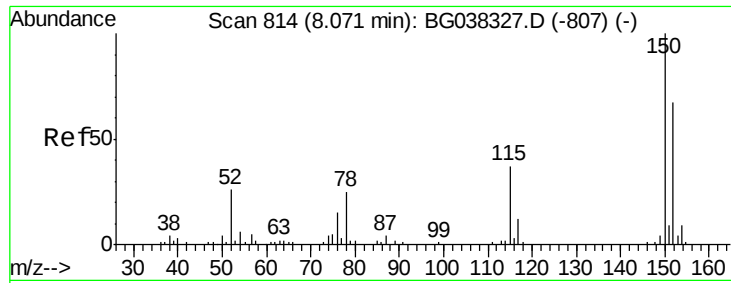
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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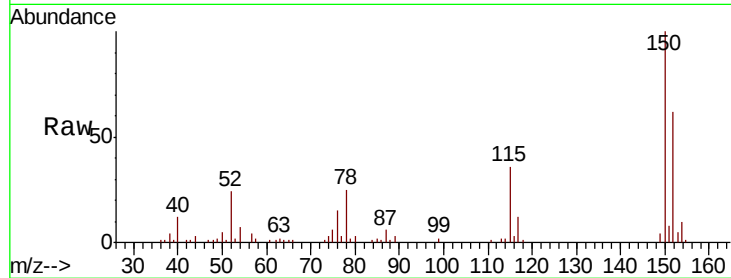




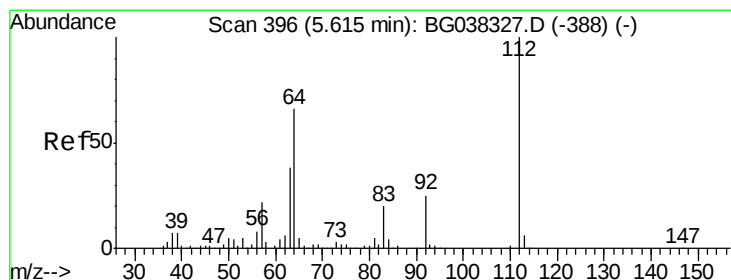
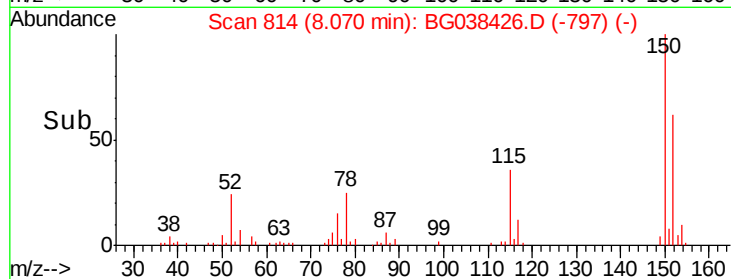
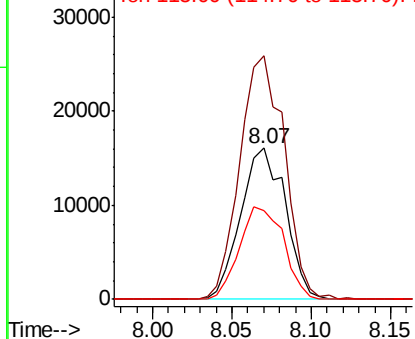
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.07 min Scan# 814
 Delta R.T. -0.00 min
 Lab File: BG038426.D
 Acq: 8 Dec 2018 7:16

Instrument :
 BNA_G
 ClientSampleId :
 MW-1

Tgt Ion:152 Resp: 31495
 Ion Ratio Lower Upper
 152 100
 150 161.1 126.0 189.0
 115 58.4 45.5 68.3

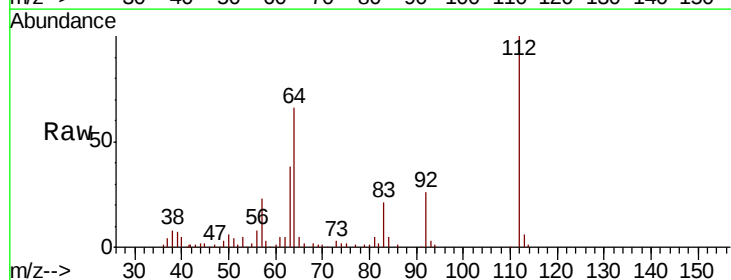


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

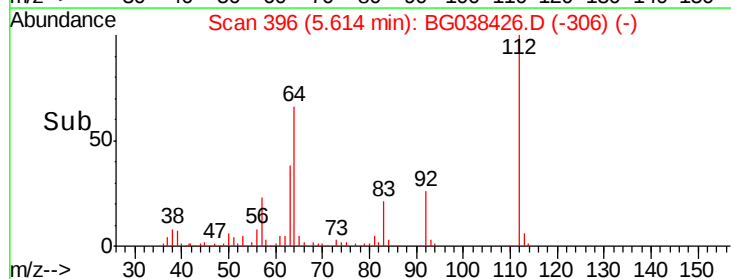
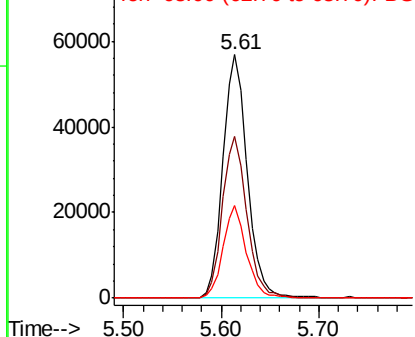


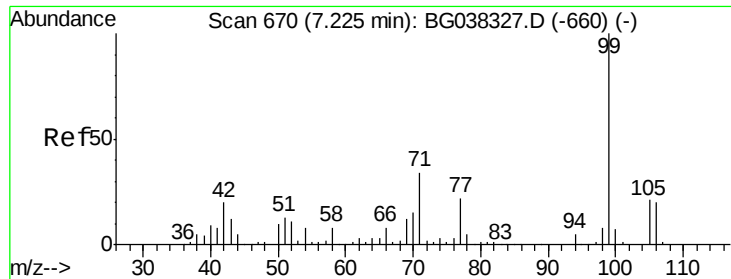
#5
 2-Fluorophenol
 Concen: 55.368 ng
 RT: 5.61 min Scan# 396
 Delta R.T. -0.00 min
 Lab File: BG038426.D
 Acq: 8 Dec 2018 7:16

Tgt Ion:112 Resp: 98540
 Ion Ratio Lower Upper
 112 100
 64 66.4 53.1 79.7
 63 38.1 27.3 40.9



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: 37.123 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038426.D

Acq: 8 Dec 2018 7:16

Instrument :

BNA_G

ClientSampleId :

MW-1

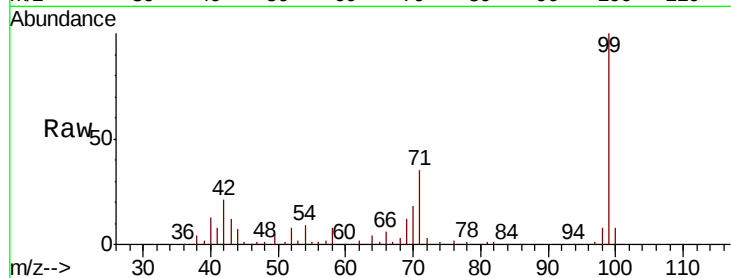
Tgt Ion: 99 Resp: 95493

Ion Ratio Lower Upper

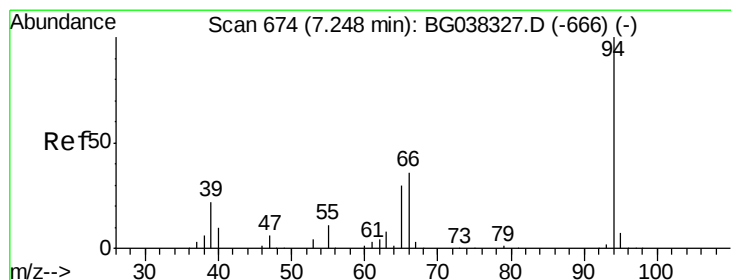
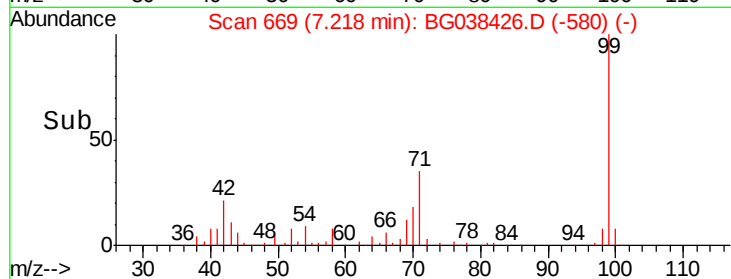
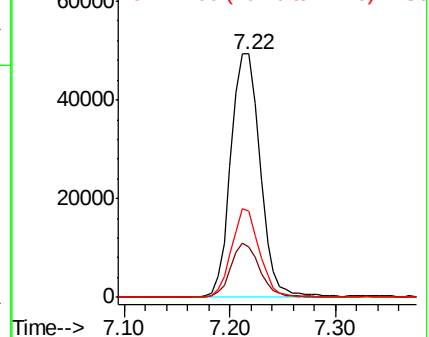
99 100

42 20.6 15.0 22.4

71 35.3 25.5 38.3



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



#10

Phenol

Concen: 2.578 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG038426.D

Acq: 8 Dec 2018 7:16

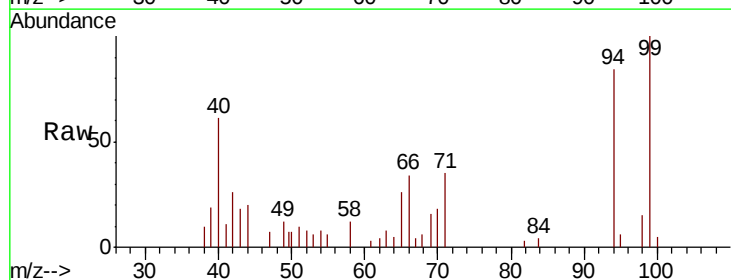
Tgt Ion: 94 Resp: 7007

Ion Ratio Lower Upper

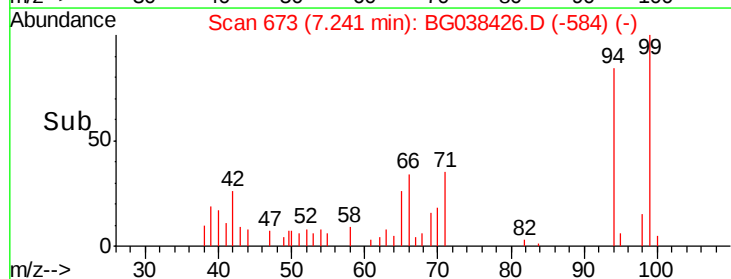
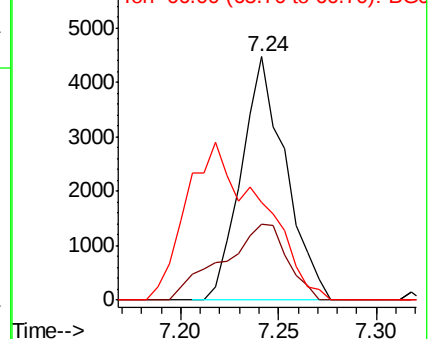
94 100

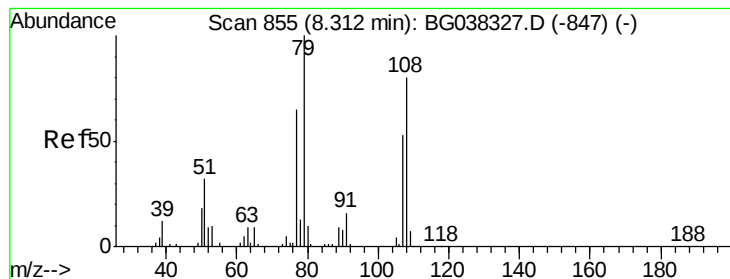
65 31.0 9.7 49.7

66 40.3 15.9 55.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 2.226 ng

RT: 8.39 min Scan# 868

Delta R.T. 0.08 min

Lab File: BG038426.D

Acq: 8 Dec 2018 7:16

Instrument :

BNA_G

ClientSampleId :

MW-1

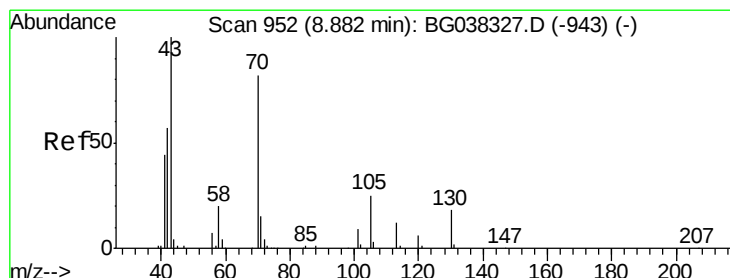
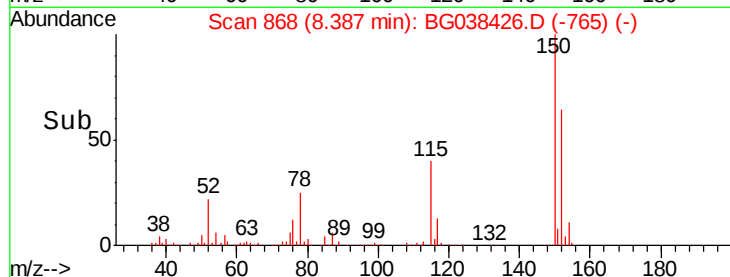
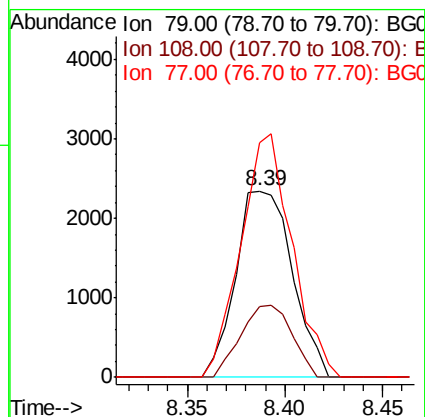
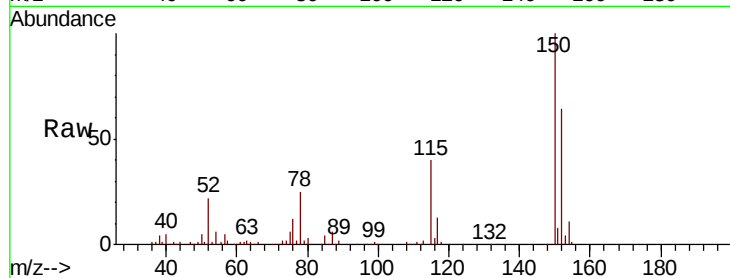
Tgt Ion: 79 Resp: 4707

Ion Ratio Lower Upper

79 100

108 38.0 65.8 98.8#

77 126.0 52.9 79.3#



#19

n-Nitroso-di-n-propylamine

Concen: 13.061 ng

RT: 9.24 min Scan# 1014

Delta R.T. 0.36 min

Lab File: BG038426.D

Acq: 8 Dec 2018 7:16

Tgt Ion: 70 Resp: 27221

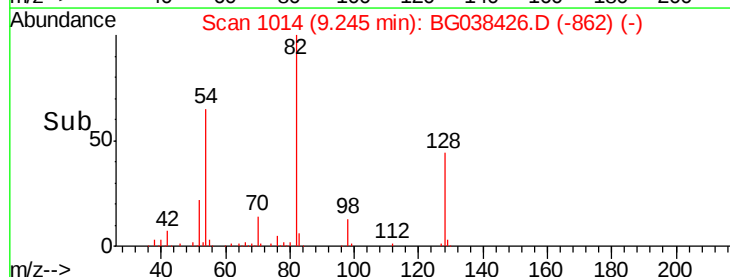
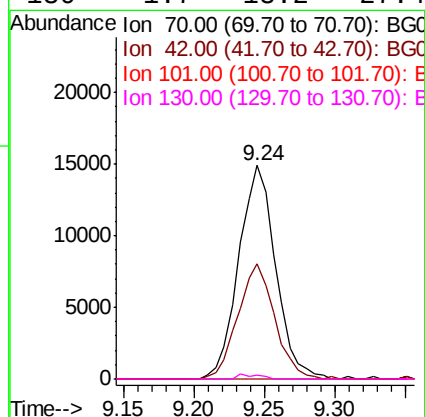
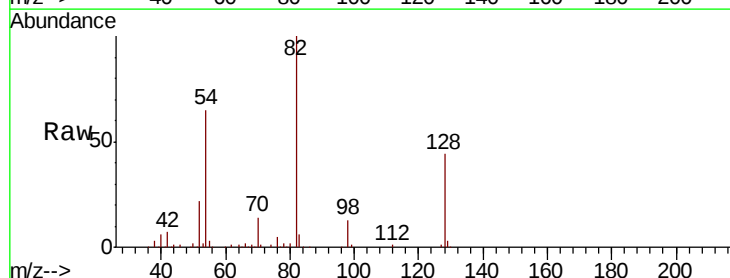
Ion Ratio Lower Upper

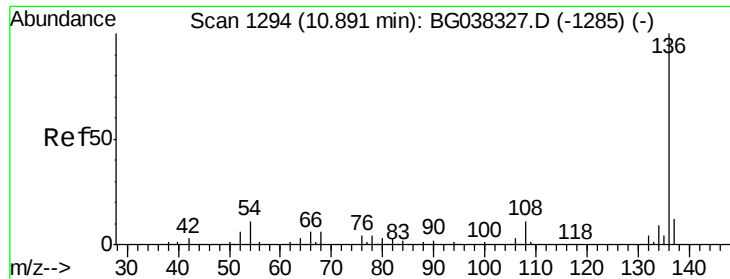
70 100

42 53.7 53.9 80.9#

101 0.0 8.2 12.2#

130 1.7 18.2 27.4#

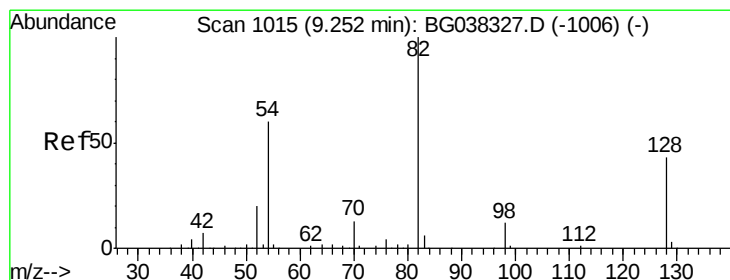
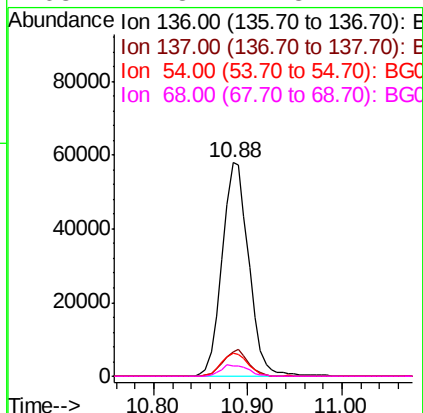
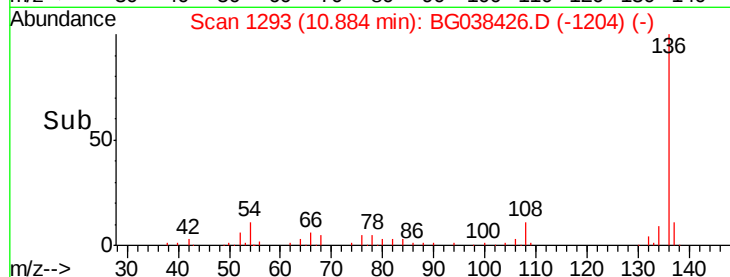
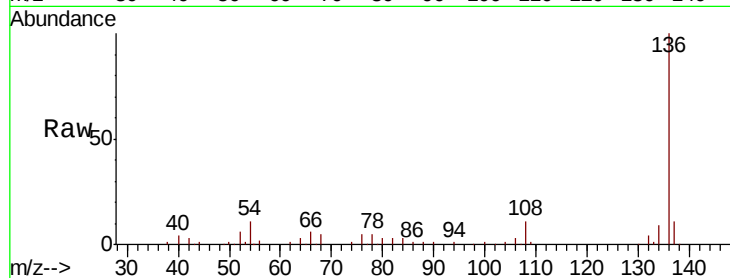




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG038426.D
Acq: 8 Dec 2018 7:16

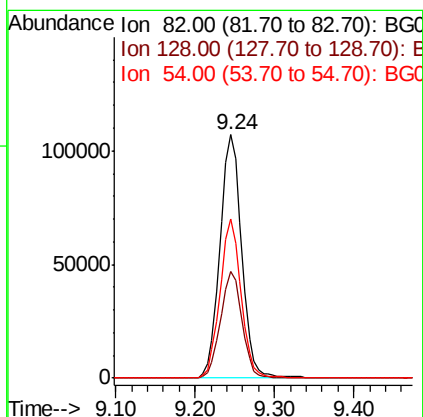
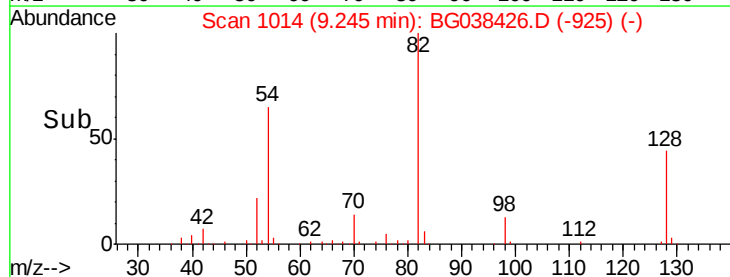
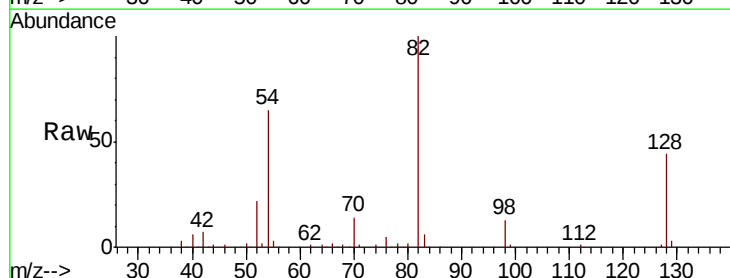
Instrument :
BNA_G
ClientSampleId :
MW-1

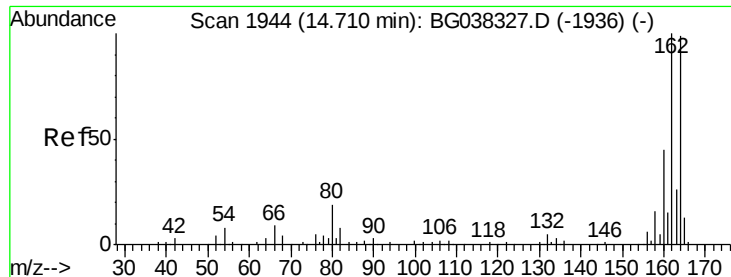
Tgt Ion: 136 Resp: 114589
Ion Ratio Lower Upper
136 100
137 11.2 9.6 14.4
54 11.1 7.9 11.9
68 4.8 4.8 7.2#



#23
Nitrobenzene-d5
Concen: 88.021 ng
RT: 9.24 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BG038426.D
Acq: 8 Dec 2018 7:16

Tgt Ion: 82 Resp: 203156
Ion Ratio Lower Upper
82 100
128 43.9 34.6 51.8
54 65.2 45.3 67.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BG038426.D

Acq: 8 Dec 2018 7:16

Instrument :

BNA_G

ClientSampleId :

MW-1

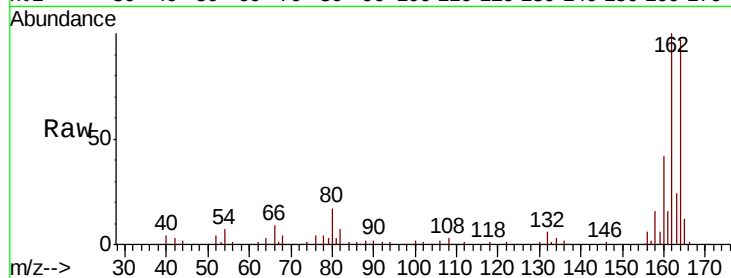
Tgt Ion:164 Resp: 78581

Ion Ratio Lower Upper

164 100

162 102.7 81.3 121.9

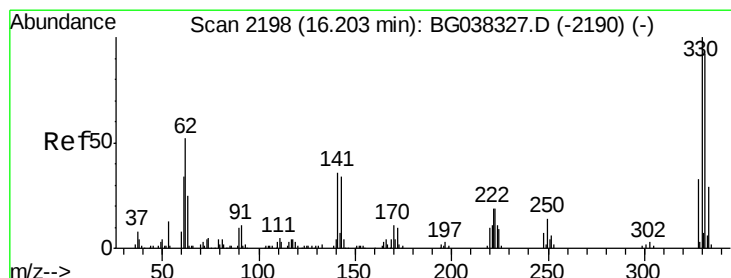
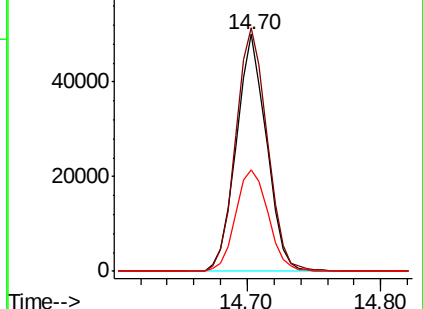
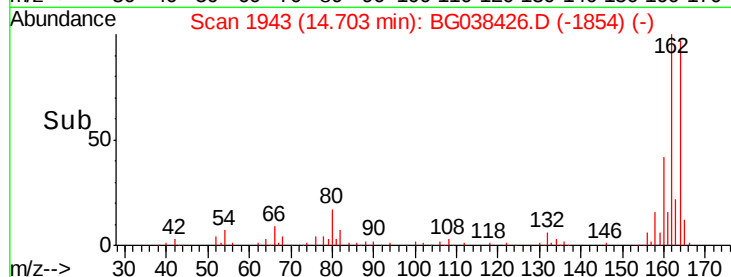
160 42.9 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 151.520 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BG038426.D

Acq: 8 Dec 2018 7:16

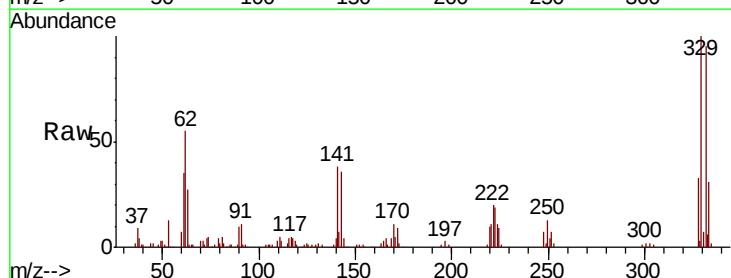
Tgt Ion:330 Resp: 146168

Ion Ratio Lower Upper

330 100

332 93.9 78.4 117.6

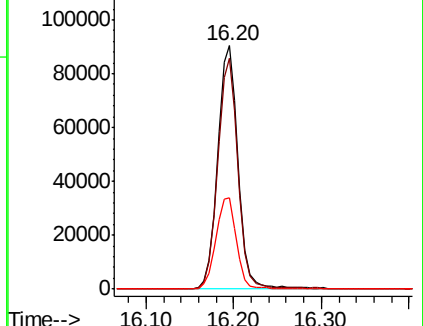
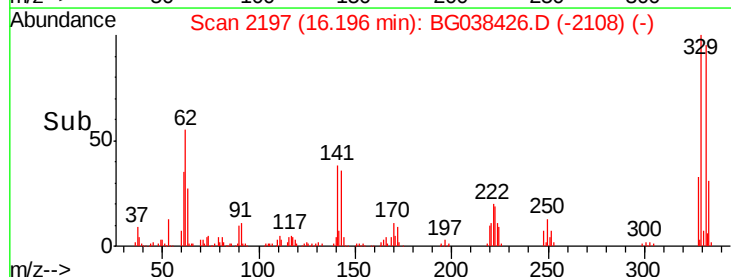
141 38.1 32.2 48.2

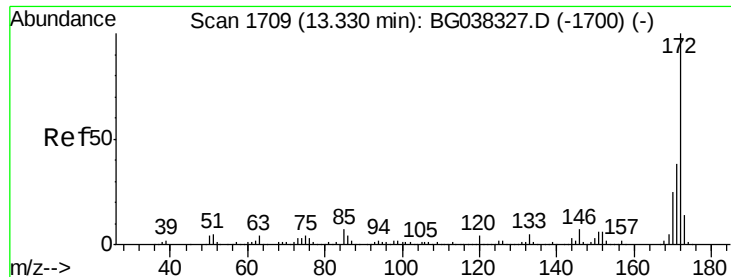


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

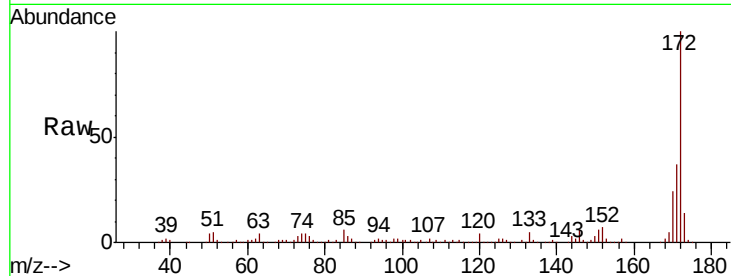




#45
 2-Fluorobiphenyl
 Concen: 90.601 ng
 RT: 13.32 min Scan# 1708
 Delta R.T. -0.01 min
 Lab File: BG038426.D
 Acq: 8 Dec 2018 7:16

Instrument :
 BNA_G
 ClientSampleId :
 MW-1

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	31.0	46.4
170	24.5	20.2	30.2

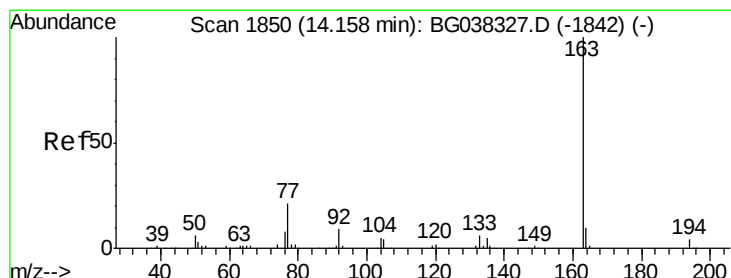
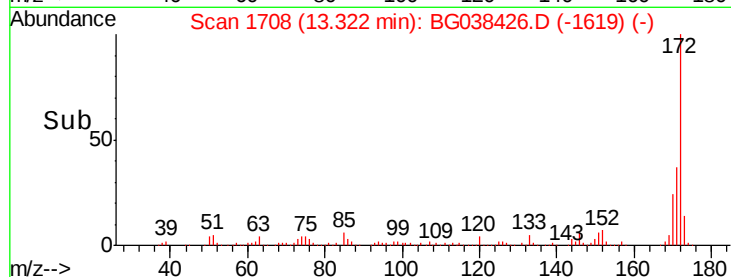
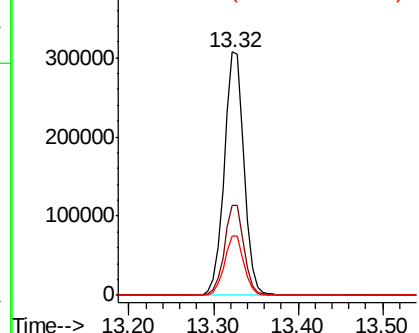


Abundance

Ion 172.00 (171.70 to 172.70): E

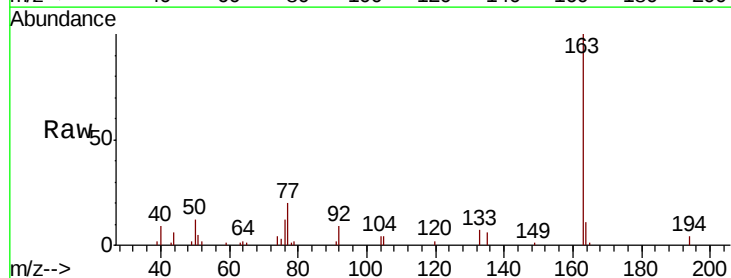
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
 Dimethylphthalate
 Concen: 4.398 ng
 RT: 14.15 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BG038426.D
 Acq: 8 Dec 2018 7:16

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.9	8.5	12.7

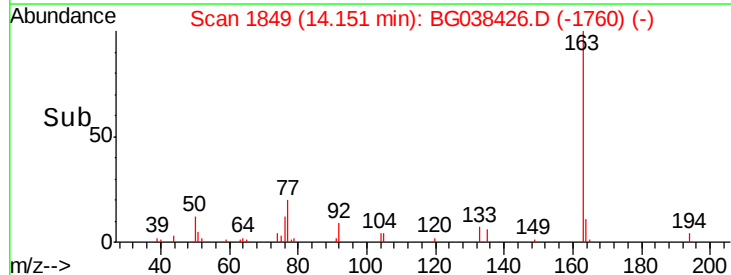
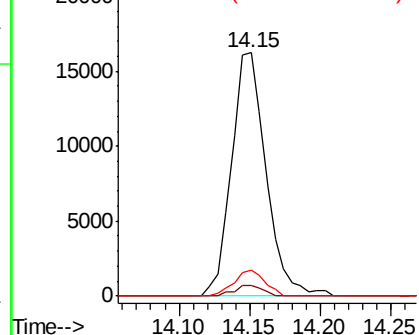


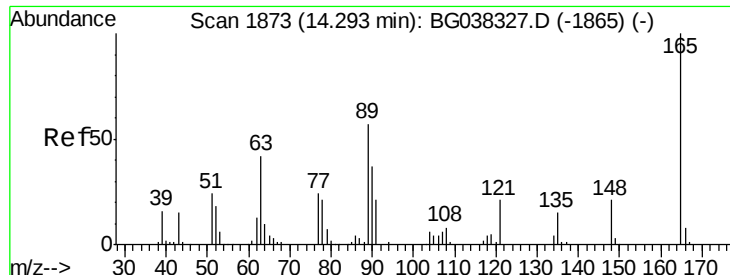
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

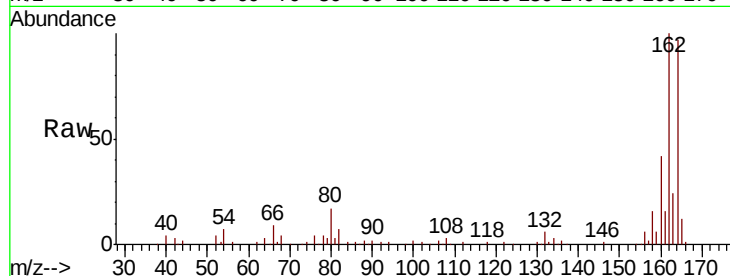




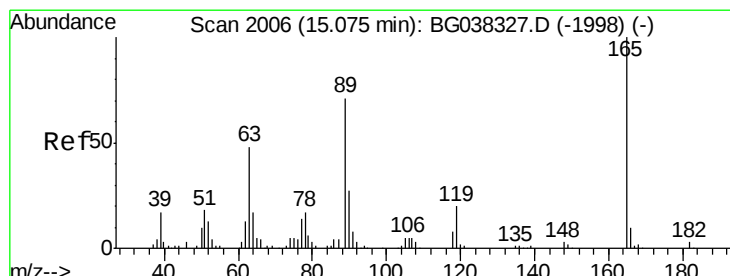
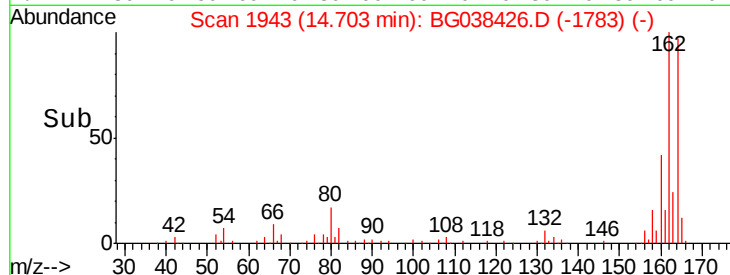
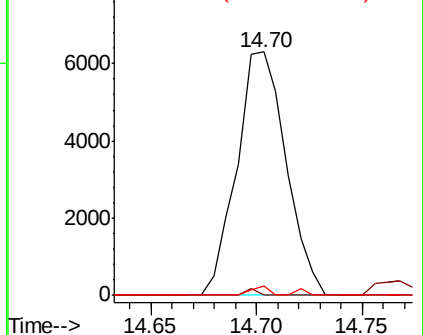
#51
 2,6-Dinitrotoluene
 Concen: 7.072 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. 0.41 min
 Lab File: BG038426.D
 Acq: 8 Dec 2018 7:16

Instrument :
 BNA_G
 ClientSampleId :
 MW-1

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	3.8	45.8	68.6#



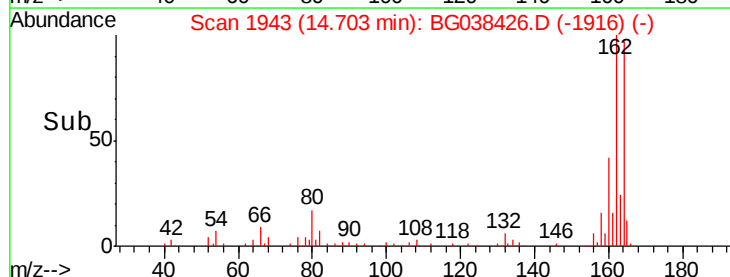
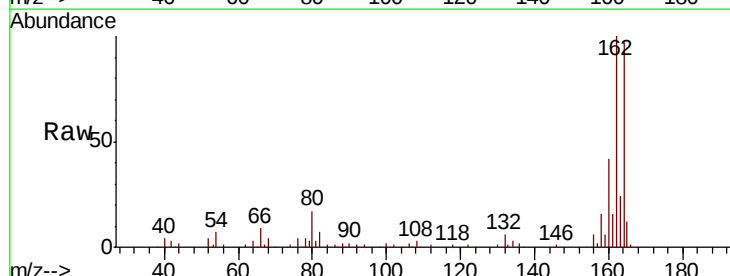
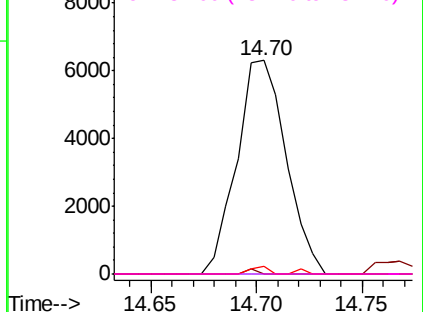
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

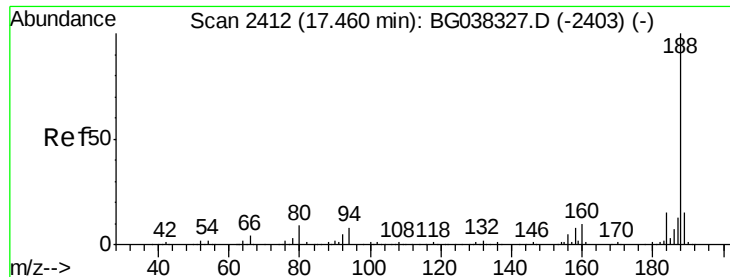


#57
 2,4-Dinitrotoluene
 Concen: 5.127 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. -0.37 min
 Lab File: BG038426.D
 Acq: 8 Dec 2018 7:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	3.8	57.2	85.8#
182	0.0	2.6	4.0#

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

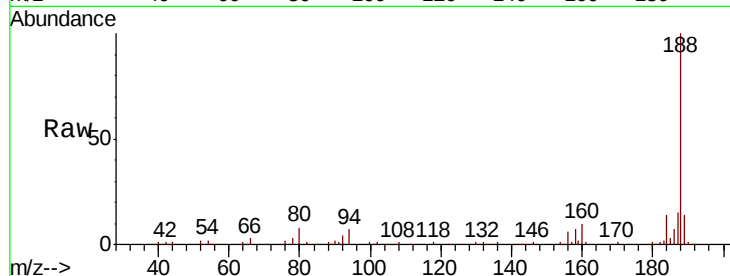




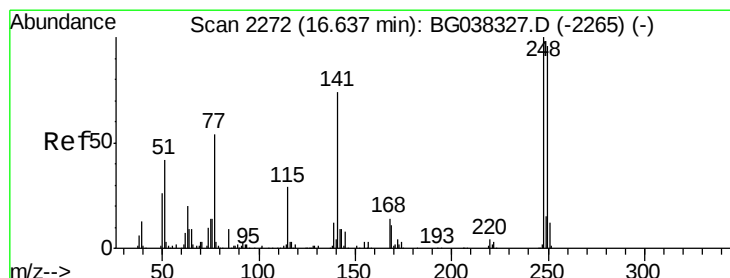
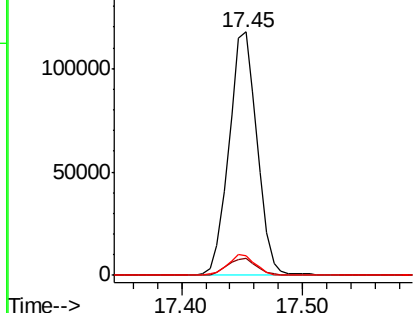
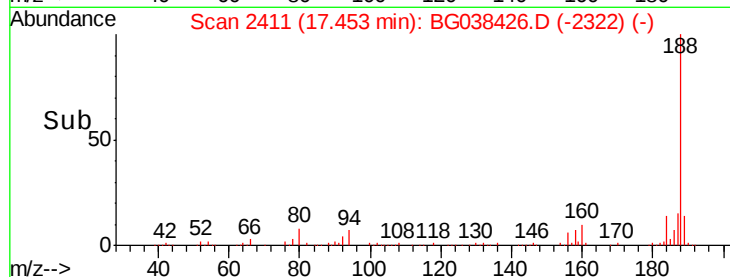
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2411
 Delta R.T. -0.01 min
 Lab File: BG038426.D
 Acq: 8 Dec 2018 7:16

Instrument :
 BNA_G
 ClientSampleId :
 MW-1

Tgt Ion:188 Resp: 190220
 Ion Ratio Lower Upper
 188 100
 94 7.1 7.2 10.8#
 80 8.2 7.7 11.5

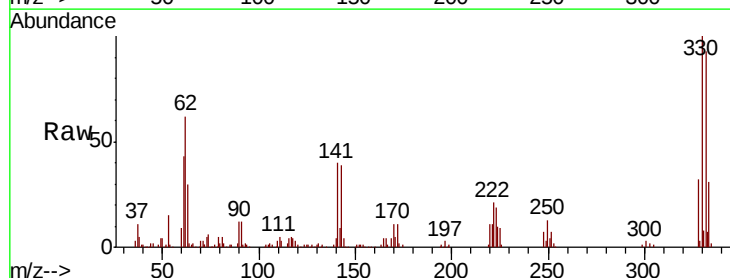


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

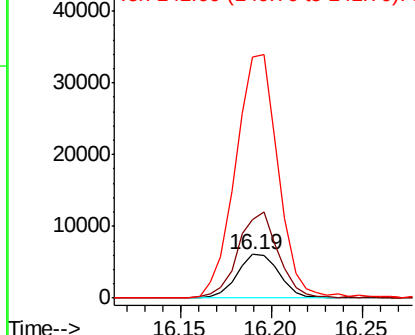
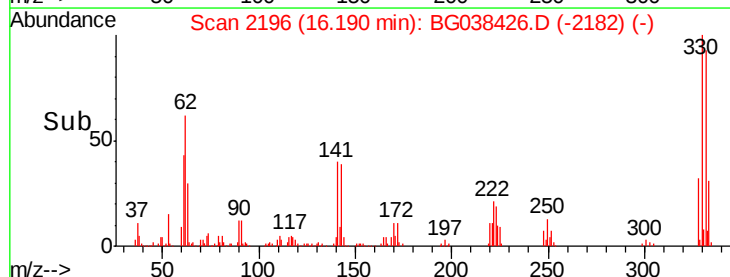


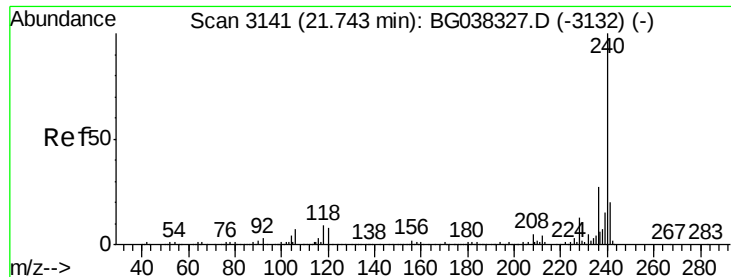
#67
 4-Bromophenyl-phenylether
 Concen: 4.791 ng
 RT: 16.19 min Scan# 2196
 Delta R.T. -0.45 min
 Lab File: BG038426.D
 Acq: 8 Dec 2018 7:16

Tgt Ion:248 Resp: 9842
 Ion Ratio Lower Upper
 248 100
 250 178.5 77.0 115.6#
 141 408.1 55.5 83.3#



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.73 min Scan# 3139

Delta R.T. -0.01 min

Lab File: BG038426.D

Acq: 8 Dec 2018 7:16

Instrument :

BNA_G

ClientSampleId :

MW-1

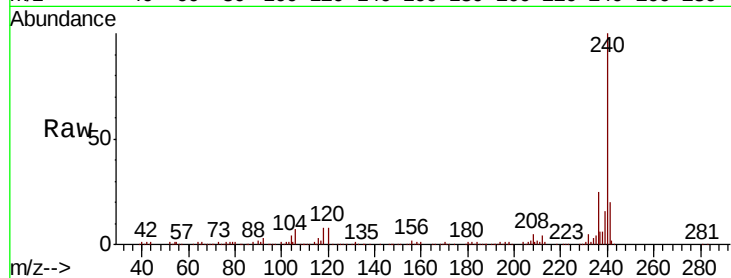
Tgt Ion:240 Resp: 183418

Ion Ratio Lower Upper

240 100

120 7.7 8.1 12.1#

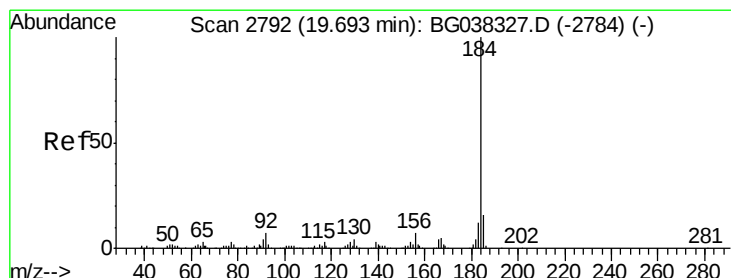
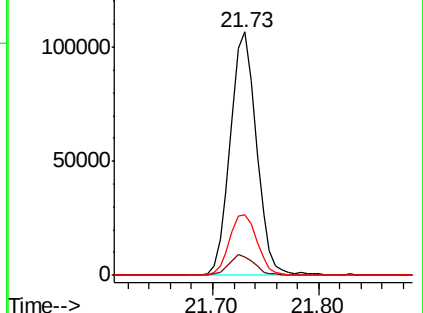
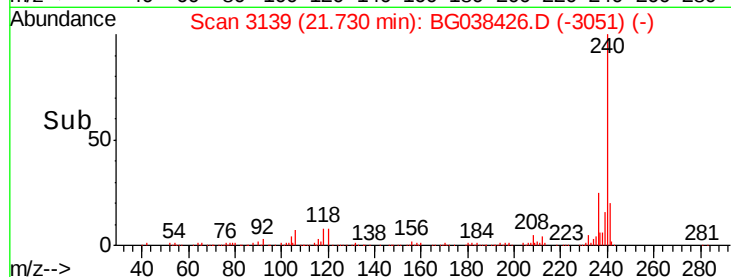
236 25.1 21.4 32.0



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



#77

Benzidine

Concen: 2.328 ng

RT: 20.05 min Scan# 2853

Delta R.T. 0.36 min

Lab File: BG038426.D

Acq: 8 Dec 2018 7:16

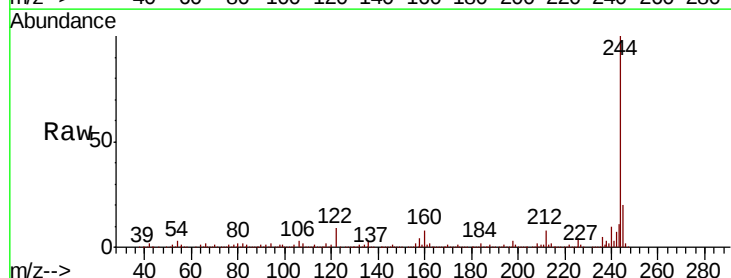
Tgt Ion:184 Resp: 14407

Ion Ratio Lower Upper

184 100

185 16.1 12.6 18.8

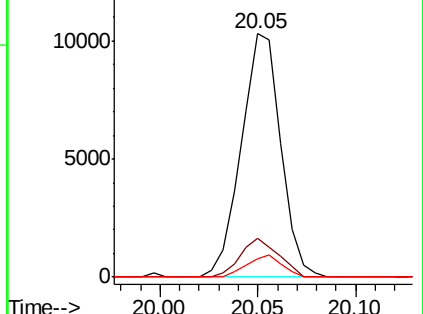
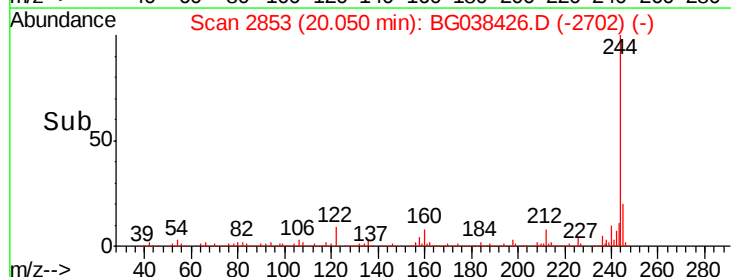
183 7.7 10.2 15.2#

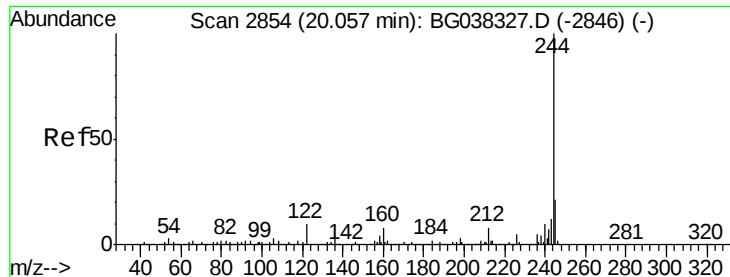


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 91.495 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BG038426.D

Acq: 8 Dec 2018 7:16

Instrument :

BNA_G

ClientSampleId :

MW-1

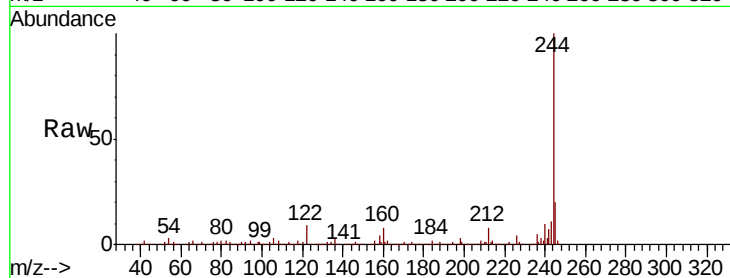
Tgt Ion:244 Resp: 783371

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

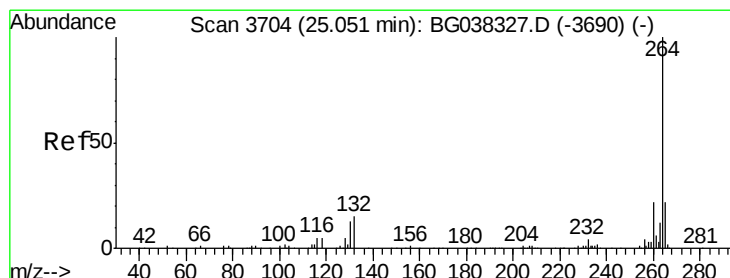
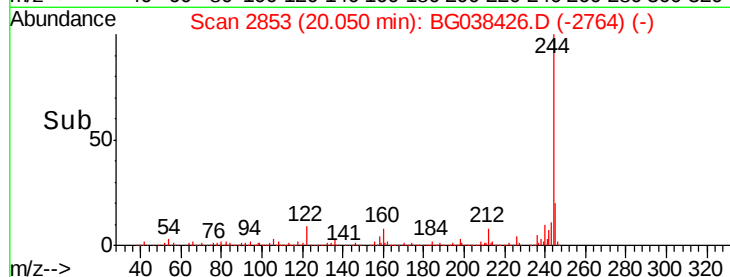
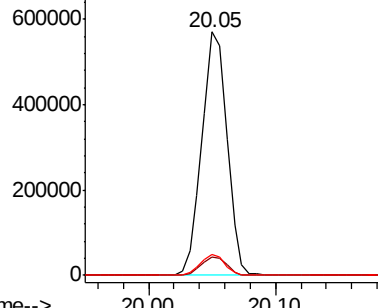
122 8.5 9.0 13.4#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.03 min Scan# 3701

Delta R.T. -0.02 min

Lab File: BG038426.D

Acq: 8 Dec 2018 7:16

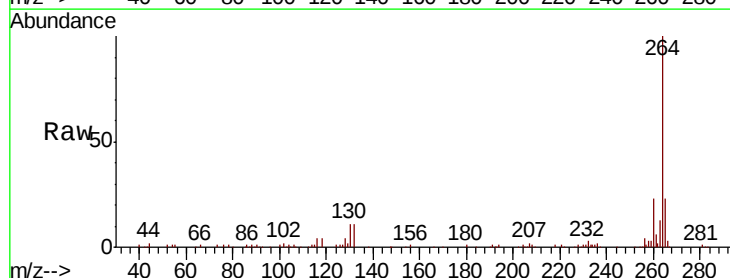
Tgt Ion:264 Resp: 190456

Ion Ratio Lower Upper

264 100

260 22.6 18.2 27.4

265 23.0 17.9 26.9



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

