

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092917\
 Data File : BG028978.D
 Acq On : 29 Sep 2017 20:56
 Operator : SJ/JU
 Sample : I5450-20
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20170667-A-C-8

Quant Time: Sep 29 22:45:20 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 16:57:11 2017
 Response via : Initial Calibration

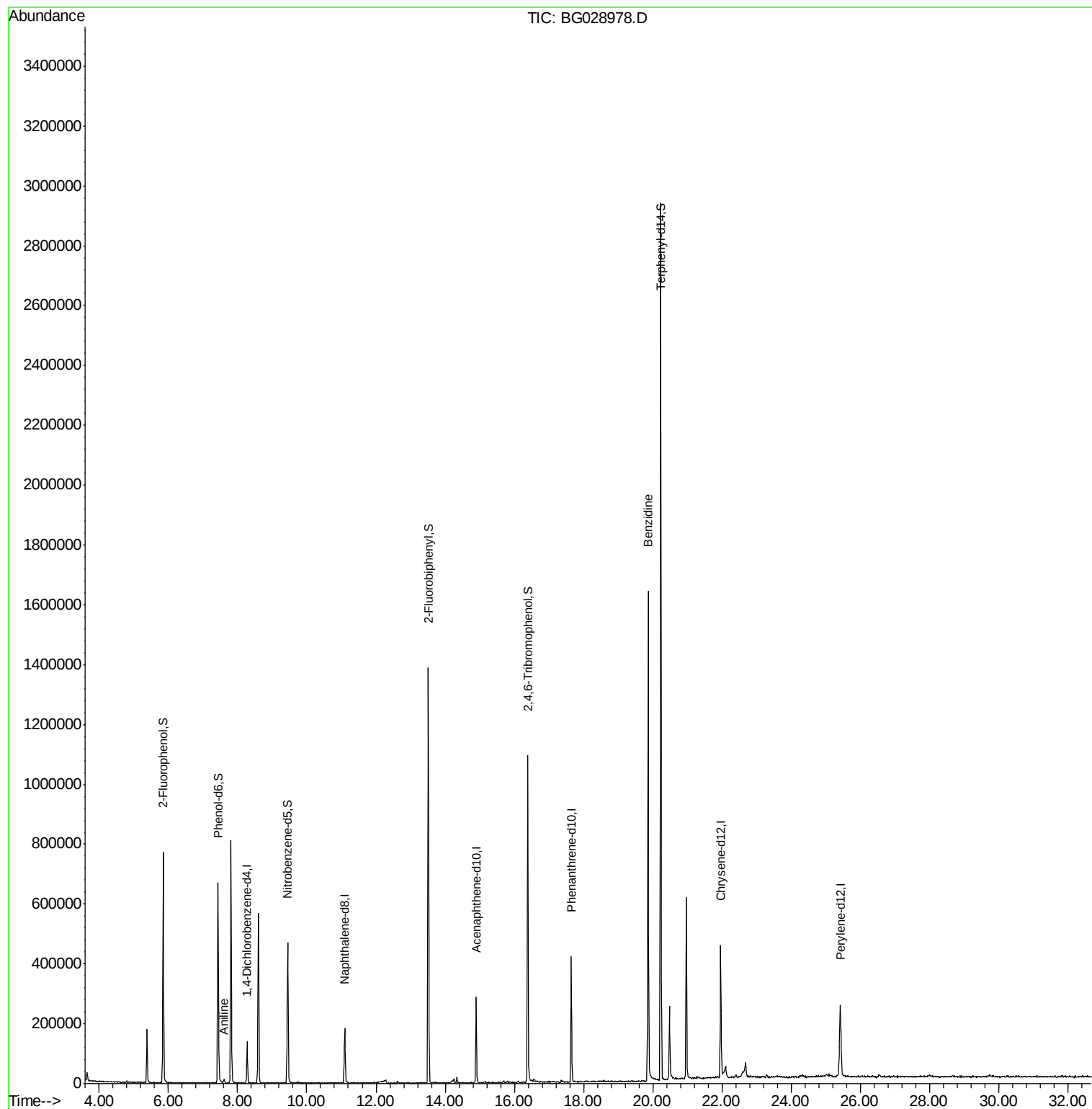
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	38615	20.00	ng	-0.05
21) Naphthalene-d8	11.10	136	156976	20.00	ng	-0.05
38) Acenaphthene-d10	14.89	164	107834	20.00	ng	-0.05
63) Phenanthrene-d10	17.65	188	262339	20.00	ng	-0.05
75) Chrysene-d12	21.96	240	306763	20.00	ng	-0.07
86) Perylene-d12	25.41	264	314537	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.85	112	327628	140.00	ng	-0.05
7) Phenol-d6	7.44	99	408920	116.05	ng	-0.05
23) Nitrobenzene-d5	9.45	82	314444	95.82	ng	-0.05
41) 2,4,6-Tribromophenol	16.38	330	232524	130.37	ng	-0.05
44) 2-Fluorobiphenyl	13.52	172	774010	95.71	ng	-0.05
78) Terphenyl-d14	20.23	244	1382511	96.11	ng	-0.05
Target Compounds						
6) Aniline	7.61	93	8757	2.135	ng	96
76) Benzidine	19.87	184	1062490	133.561	ng	97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.28 min Scan# 798

Delta R.T. -0.05 min

Lab File: BG028978.D

Acq: 29 Sep 2017 20:56

Instrument :

BNA_G

ClientSampleId :

20170667-A-C-8

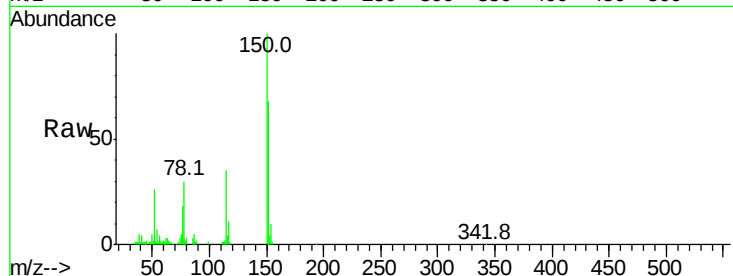
Tot Ion:152 Resp: 38615

Ion Ratio Lower Upper

152 100

150 146.2 114.0 171.0

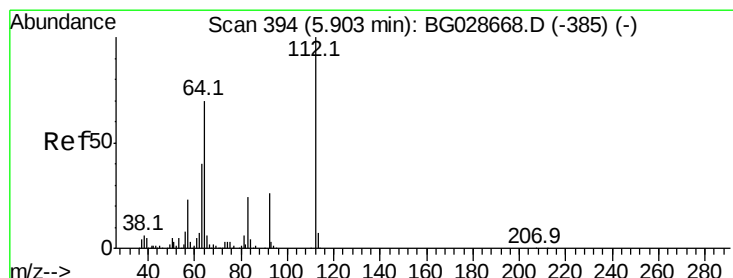
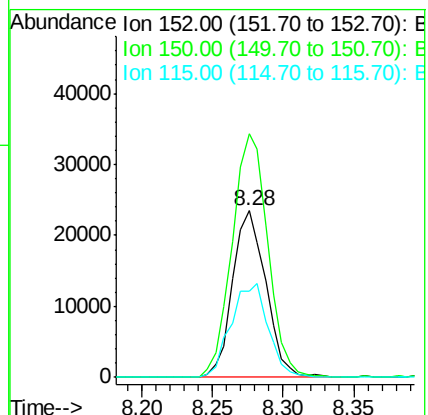
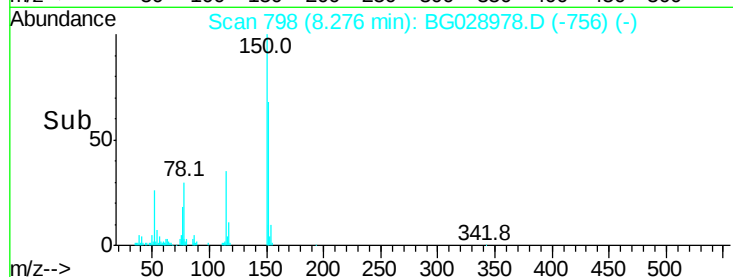
115 51.8 48.1 72.1



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: 139.998 ng

RT: 5.85 min Scan# 385

Delta R.T. -0.05 min

Lab File: BG028978.D

Acq: 29 Sep 2017 20:56

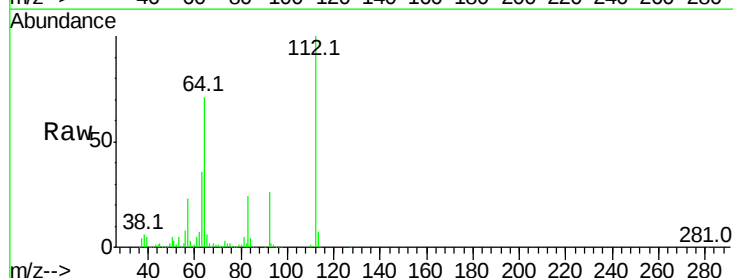
Tgt Ion:112 Resp: 327628

Ion Ratio Lower Upper

112 100

64 71.3 61.8 92.6

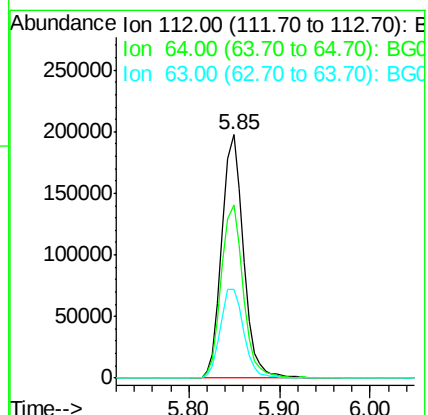
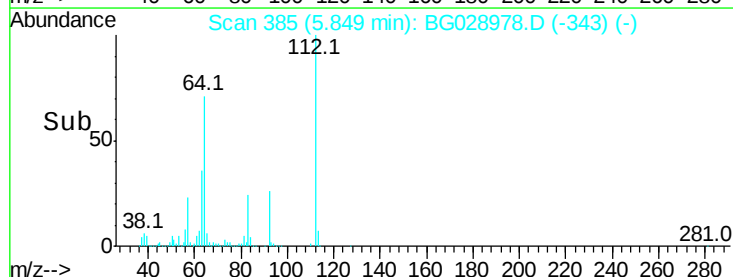
63 36.3 37.2 55.8#

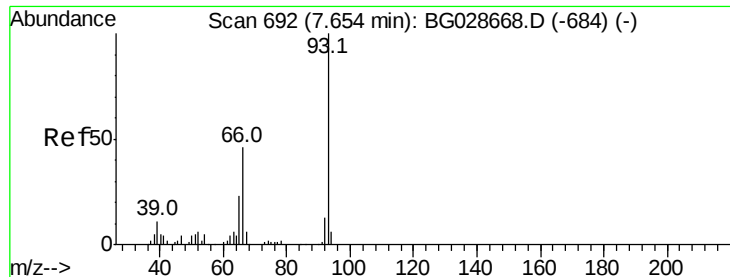


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#6

Aniline

Concen: 2.135 ng

RT: 7.61 min Scan# 684

Delta R.T. -0.05 min

Lab File: BG028978.D

Acq: 29 Sep 2017 20:56

Instrument :

BNA_G

ClientSampleId :

20170667-A-C-8

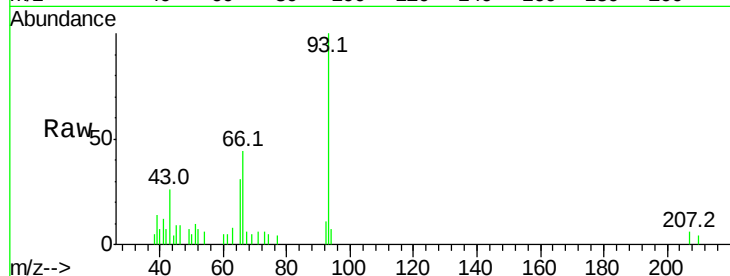
Tot Ion: 93 Resp: 8757

Ion Ratio Lower Upper

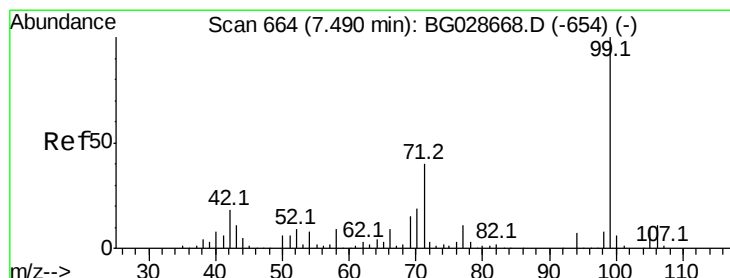
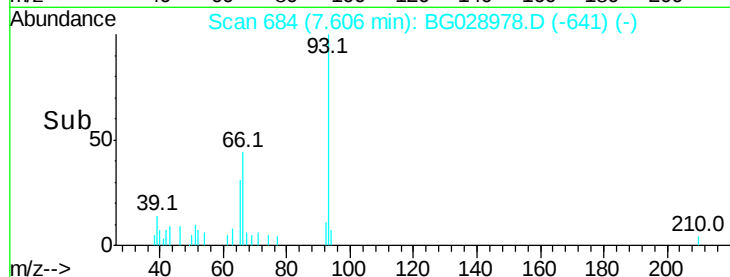
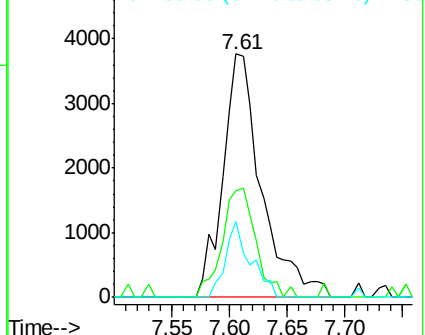
93 100

66 43.8 35.4 53.2

65 31.2 21.2 31.8



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 116.055 ng

RT: 7.44 min Scan# 655

Delta R.T. -0.05 min

Lab File: BG028978.D

Acq: 29 Sep 2017 20:56

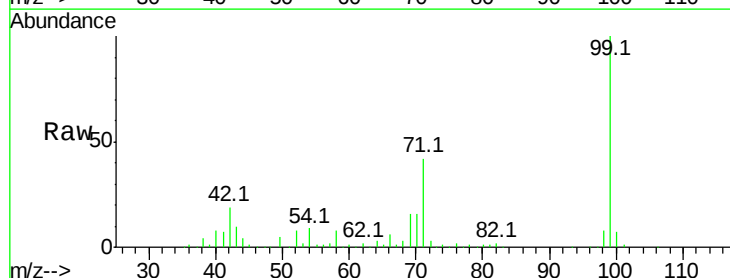
Tgt Ion: 99 Resp: 408920

Ion Ratio Lower Upper

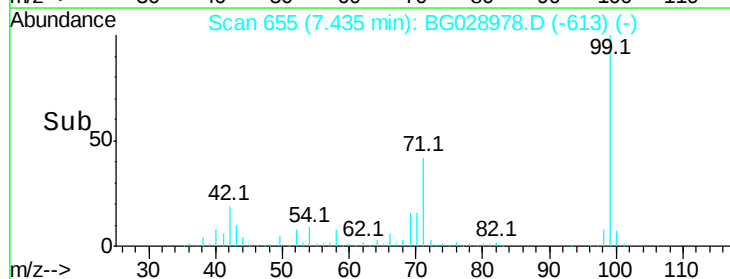
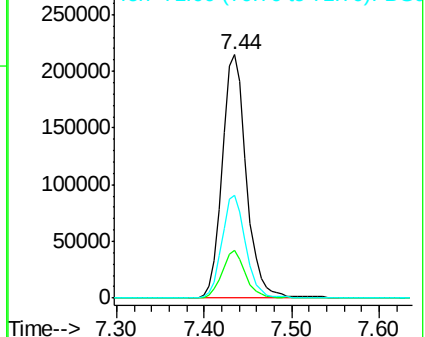
99 100

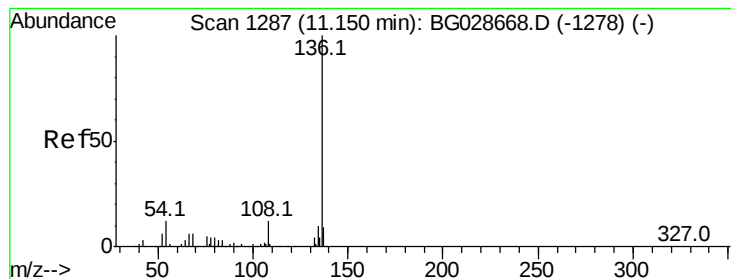
42 19.5 20.5 30.7#

71 42.5 37.6 56.4



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.10 min Scan# 1278

Delta R.T. -0.05 min

Lab File: BG028978.D

Acq: 29 Sep 2017 20:56

Instrument :

BNA_G

ClientSampleId :

20170667-A-C-8

Tot Ion:136 Resp: 156976

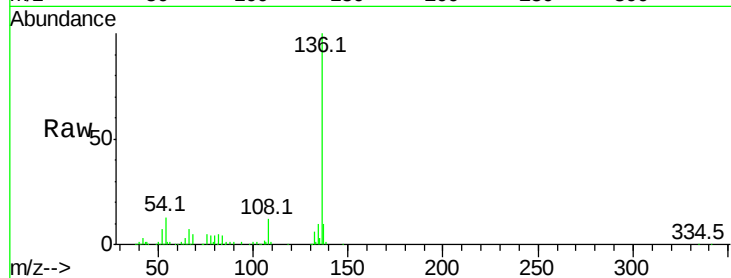
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 13.2 9.3 13.9

68 5.3 5.1 7.7

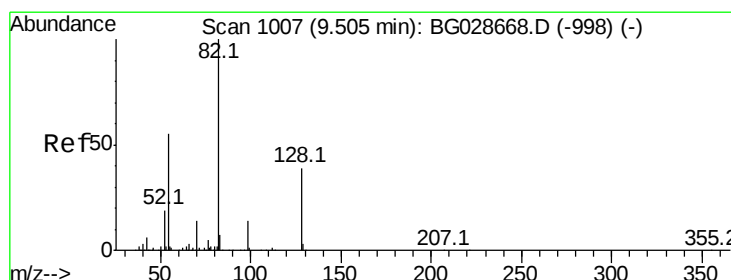
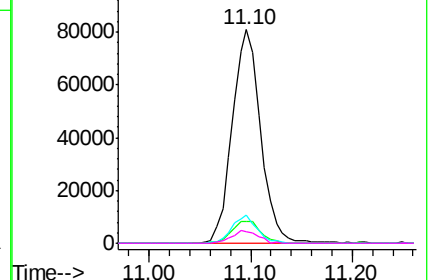
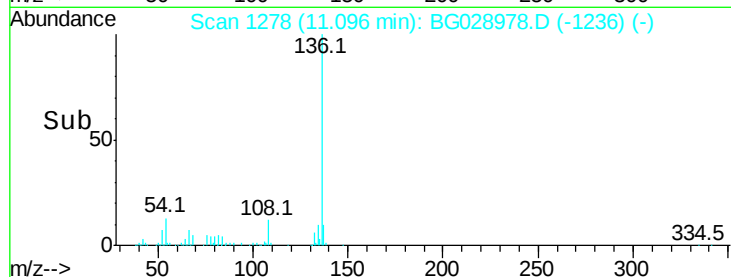


Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): B

Ion 68.00 (67.70 to 68.70): B



#23

Nitrobenzene-d5

Concen: 95.825 ng

RT: 9.45 min Scan# 998

Delta R.T. -0.05 min

Lab File: BG028978.D

Acq: 29 Sep 2017 20:56

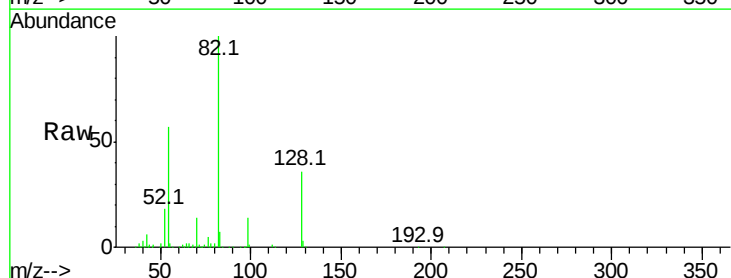
Tgt Ion: 82 Resp: 314444

Ion Ratio Lower Upper

82 100

128 36.3 26.4 39.6

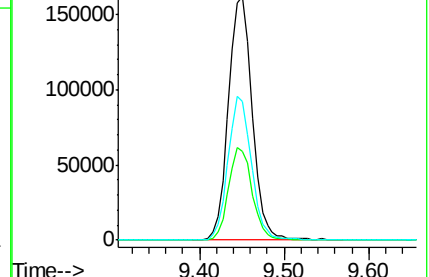
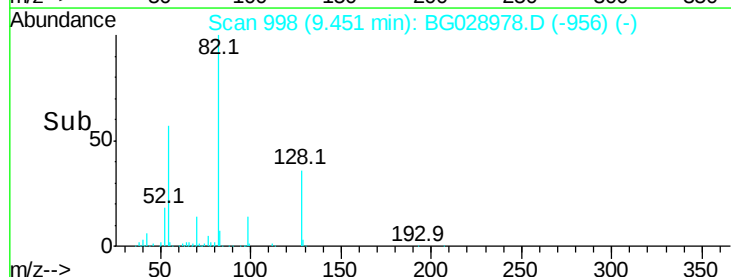
54 56.9 49.4 74.2

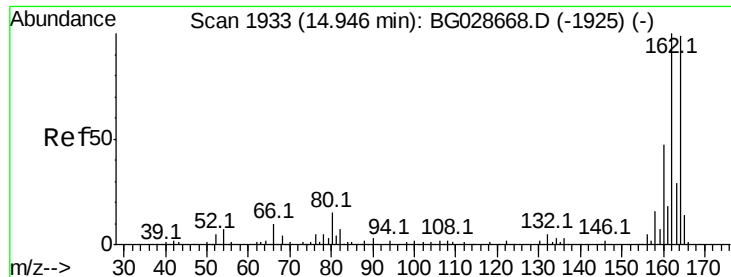


Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.89 min Scan# 1924

Delta R.T. -0.05 min

Lab File: BG028978.D

Acq: 29 Sep 2017 20:56

Instrument :

BNA_G

ClientSampleId :

20170667-A-C-8

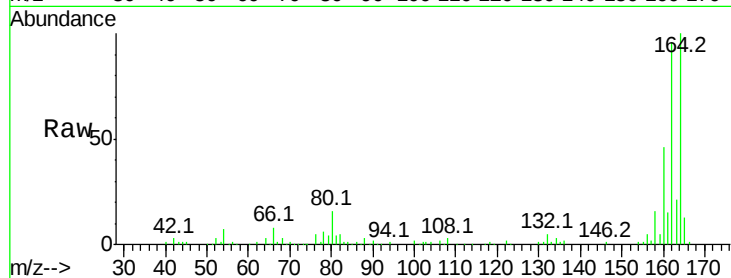
Tot Ion:164 Resp: 107834

Ion Ratio Lower Upper

164 100

162 96.0 85.1 127.7

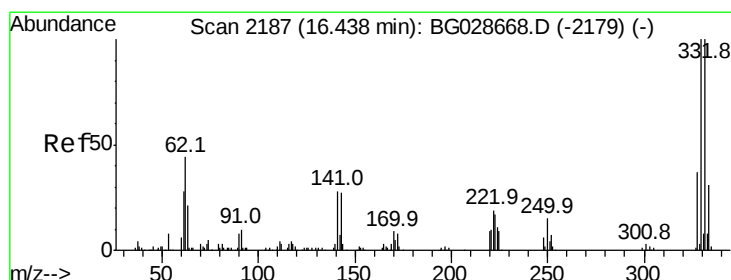
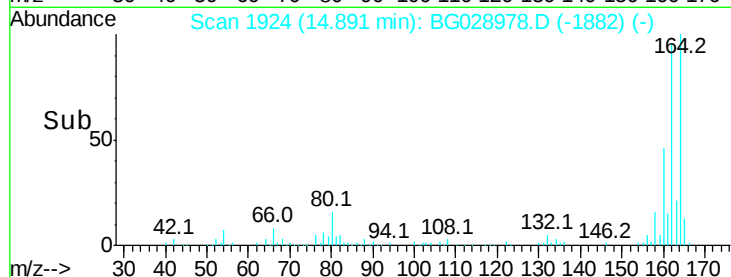
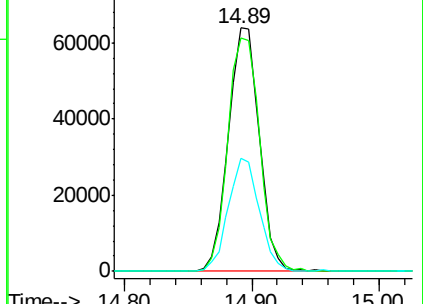
160 46.3 34.7 52.1



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: 130.374 ng

RT: 16.38 min Scan# 2178

Delta R.T. -0.05 min

Lab File: BG028978.D

Acq: 29 Sep 2017 20:56

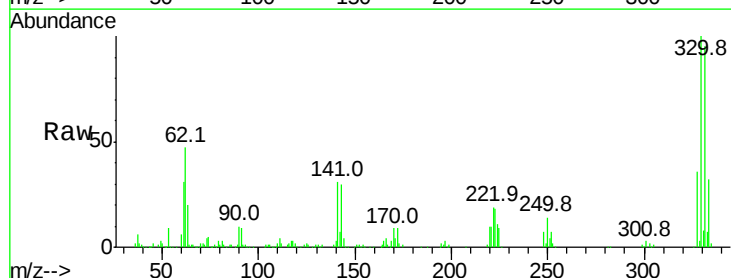
Tgt Ion:330 Resp: 232524

Ion Ratio Lower Upper

330 100

332 98.2 77.3 115.9

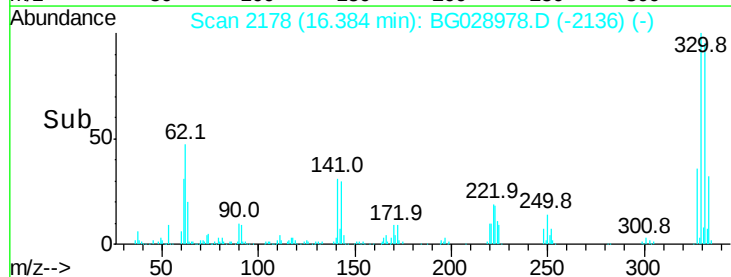
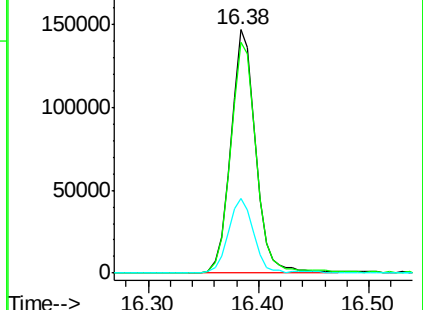
141 31.1 32.1 48.1#

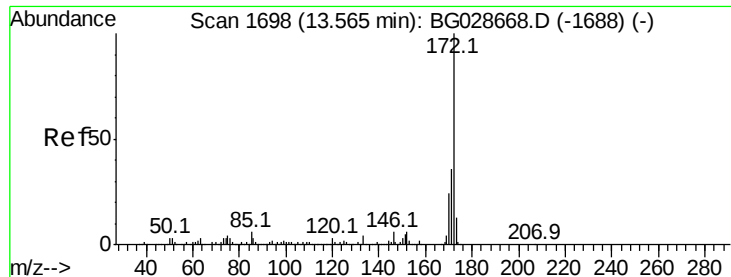


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

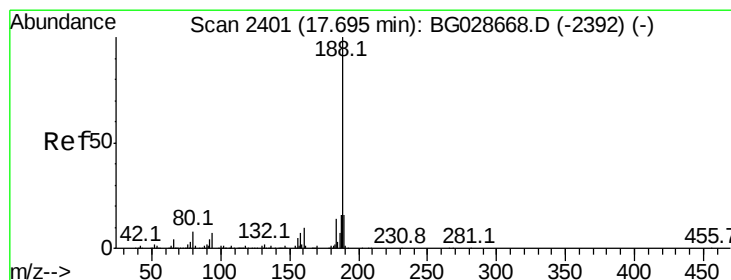
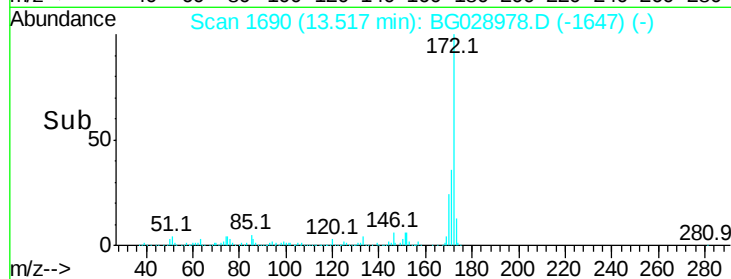
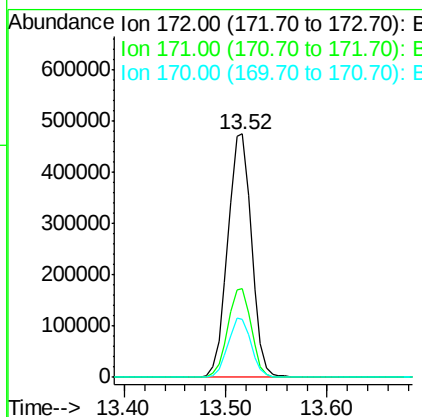
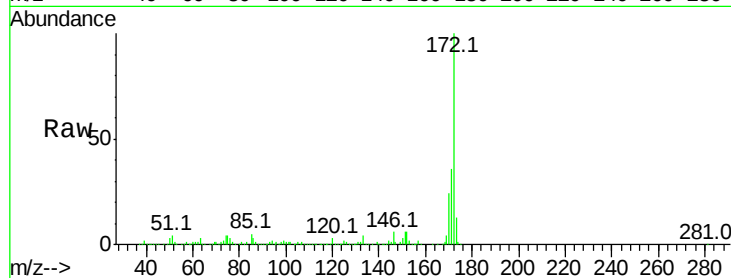




#44
2-Fluorobiphenyl
Concen: 95.710 ng
RT: 13.52 min Scan# 1690
Delta R.T. -0.05 min
Lab File: BG028978.D
Acq: 29 Sep 2017 20:56

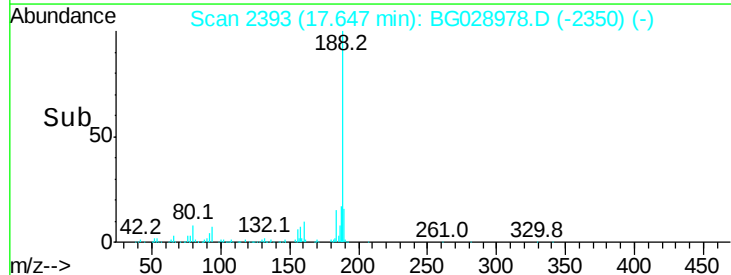
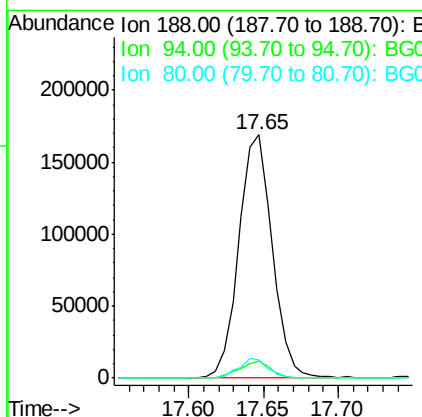
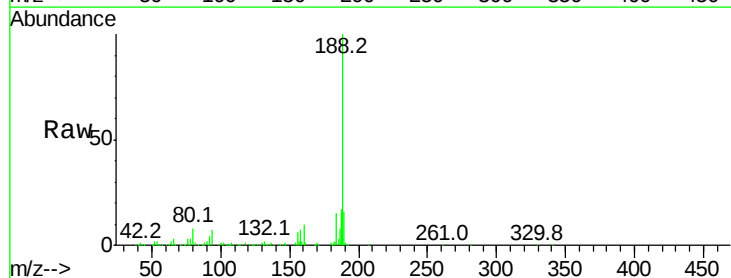
Instrument :
BNA_G
ClientSampleId :
20170667-A-C-8

Tot Ion:172 Resp: 774010
Ion Ratio Lower Upper
172 100
171 36.3 32.2 48.2
170 23.7 21.8 32.6



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.65 min Scan# 2393
Delta R.T. -0.05 min
Lab File: BG028978.D
Acq: 29 Sep 2017 20:56

Tgt Ion:188 Resp: 262339
Ion Ratio Lower Upper
188 100
94 6.7 5.8 8.8
80 7.6 7.5 11.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.96 min Scan# 3127

Delta R.T. -0.07 min

Lab File: BG028978.D

Acq: 29 Sep 2017 20:56

Instrument :

BNA_G

ClientSampleId :

20170667-A-C-8

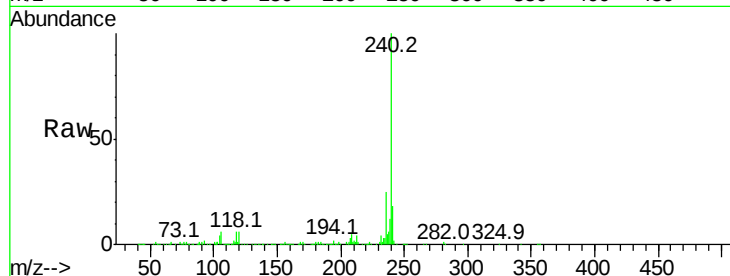
Tot Ion:240 Resp: 306763

Ion Ratio Lower Upper

240 100

120 5.7 5.7 8.5

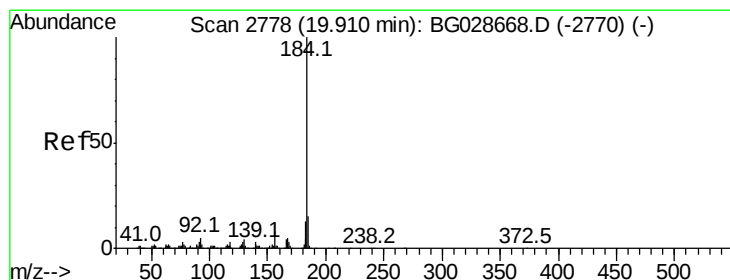
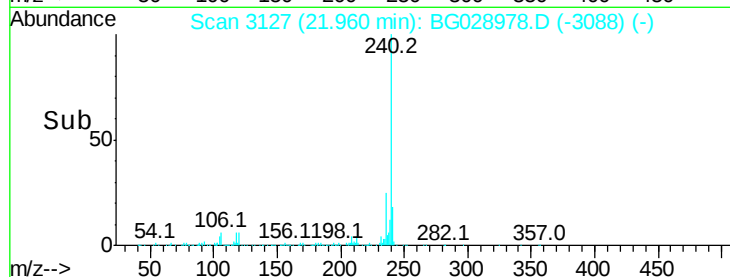
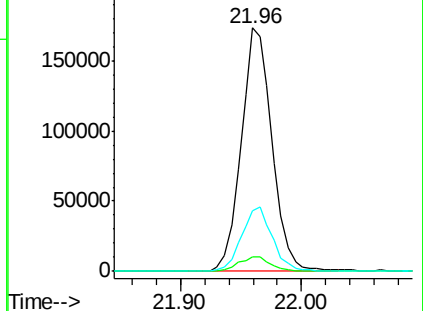
236 24.7 22.2 33.4



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: 133.561 ng

RT: 19.87 min Scan# 2771

Delta R.T. -0.04 min

Lab File: BG028978.D

Acq: 29 Sep 2017 20:56

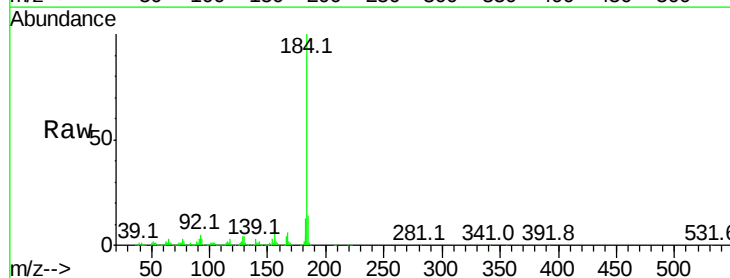
Tgt Ion:184 Resp: 1062490

Ion Ratio Lower Upper

184 100

185 14.1 13.0 19.6

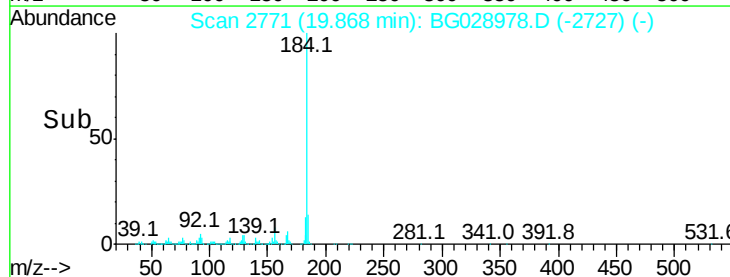
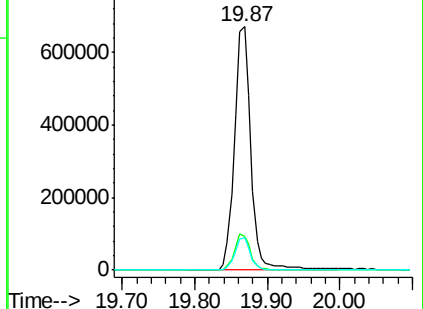
183 13.5 11.0 16.6

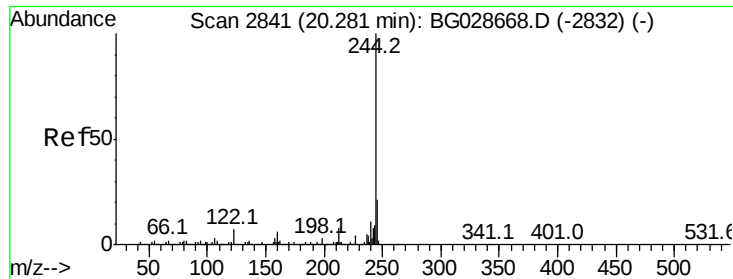


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 96.110 ng

RT: 20.23 min Scan# 2833

Delta R.T. -0.05 min

Lab File: BG028978.D

Acq: 29 Sep 2017 20:56

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20170667-A-C-8

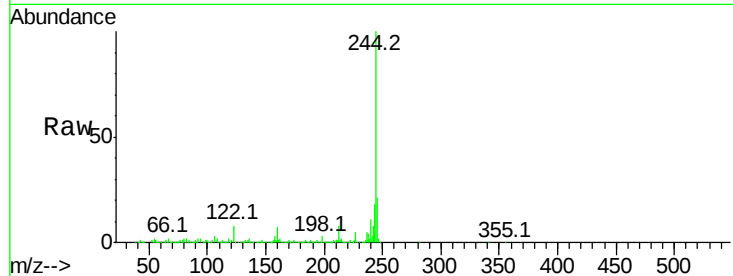
Tot Ion:244 Resp: 1382511

Ion Ratio Lower Upper

244 100

212 7.7 10.0 15.0#

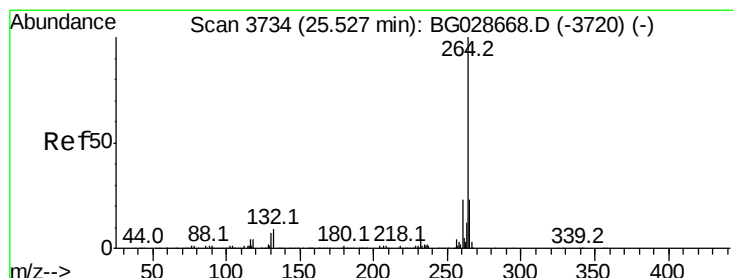
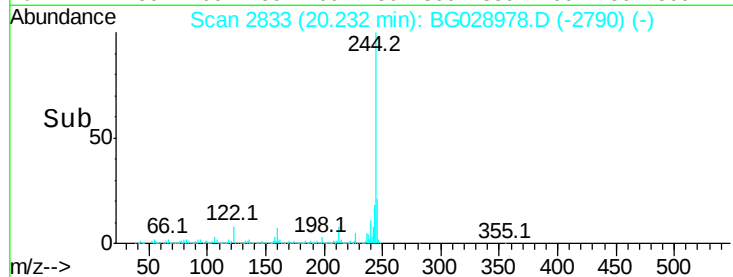
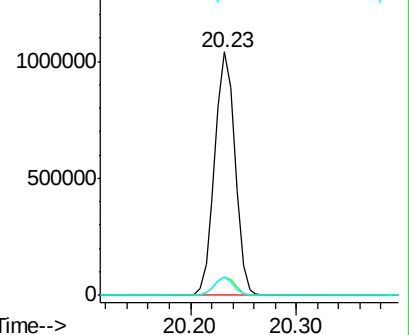
122 7.5 8.6 12.8#



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: 25.41 min Scan# 3715

Delta R.T. -0.11 min

Lab File: BG028978.D

Acq: 29 Sep 2017 20:56

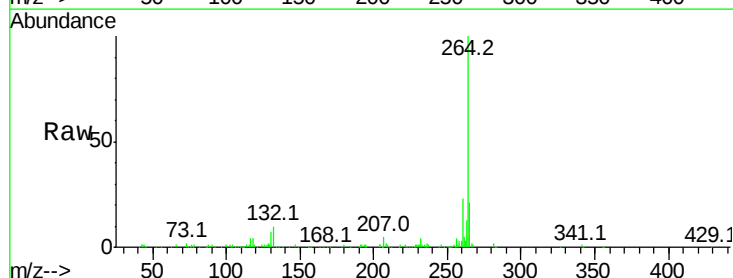
Tgt Ion:264 Resp: 314537

Ion Ratio Lower Upper

264 100

260 22.7 21.8 32.8

265 21.4 18.2 27.4



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

