

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092517\
 Data File : BG028929.D
 Acq On : 26 Sep 2017 5:13
 Operator : SJ/JU
 Sample : I5394-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT-3992

Quant Time: Sep 26 06:38:18 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

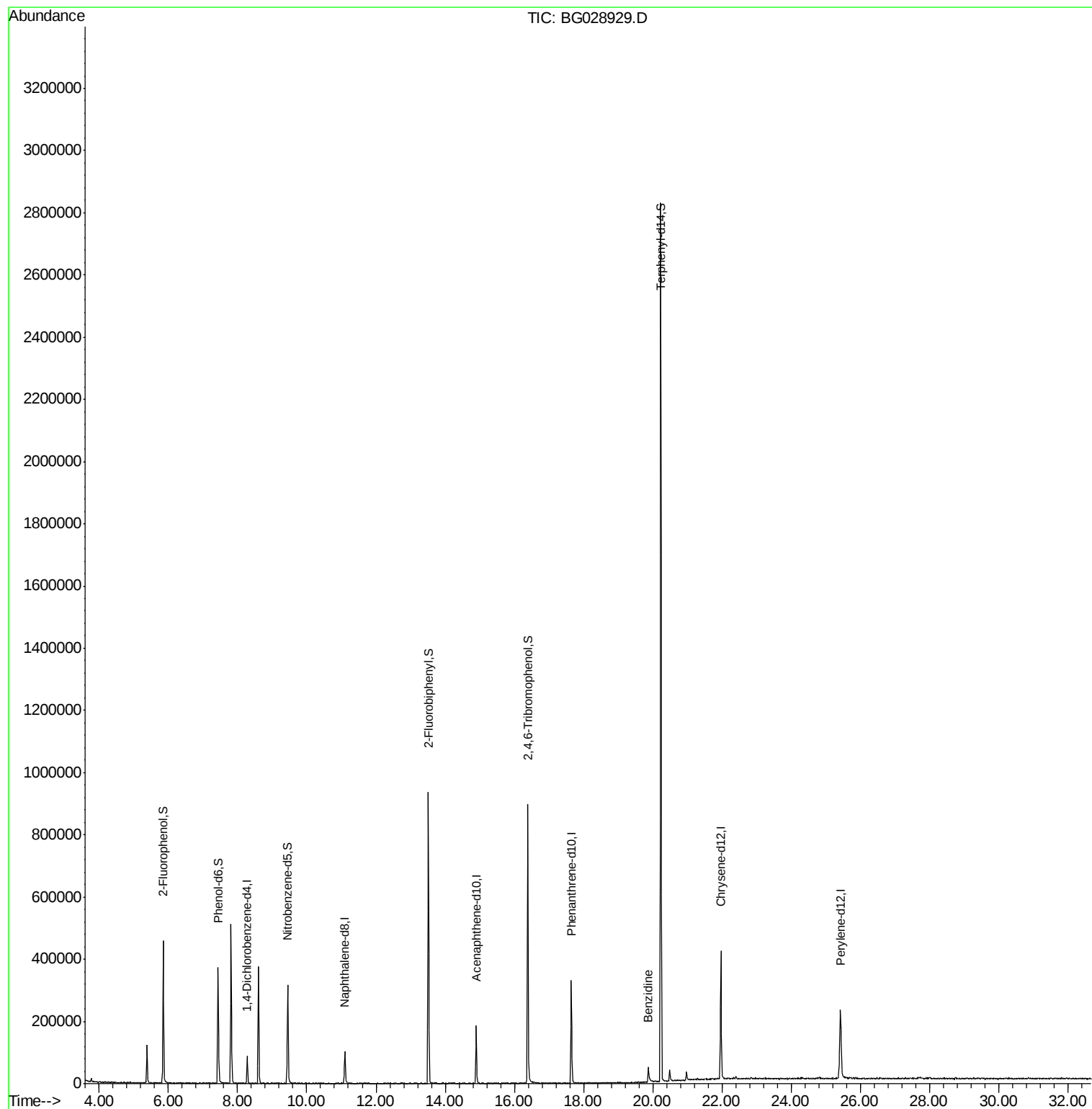
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	25774	20.00	ng	-0.05
21) Naphthalene-d8	11.10	136	95811	20.00	ng	-0.05
38) Acenaphthene-d10	14.90	164	68080	20.00	ng	-0.05
63) Phenanthrene-d10	17.65	188	219632	20.00	ng	-0.05
75) Chrysene-d12	21.97	240	284984	20.00	ng	-0.07
86) Perylene-d12	25.42	264	284717	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.85	112	204434	130.88	ng	-0.05
7) Phenol-d6	7.44	99	225931	96.07	ng	-0.05
23) Nitrobenzene-d5	9.45	82	208605	104.15	ng	-0.05
41) 2,4,6-Tribromophenol	16.39	330	207797	184.54	ng	-0.05
44) 2-Fluorobiphenyl	13.52	172	519298	101.71	ng	-0.05
78) Terphenyl-d14	20.23	244	1418150	106.12	ng	-0.05
Target Compounds						
76) Benzidine	19.87	184	48854	6.611	ng	Qvalue 95

(#) = 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: BG028929.D

Acq: 26 Sep 2017 5:13

Instrument :

BNA_G

ClientSampled :

RT-3992

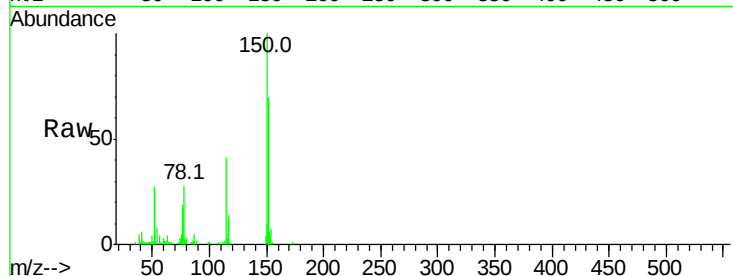
Tot Ion:152 Resp: 25774

Ion Ratio Lower Upper

152 100

150 143.2 114.0 171.0

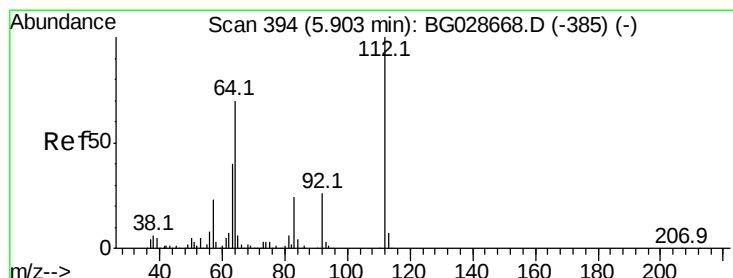
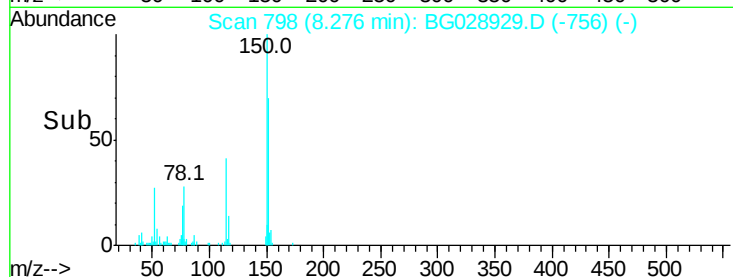
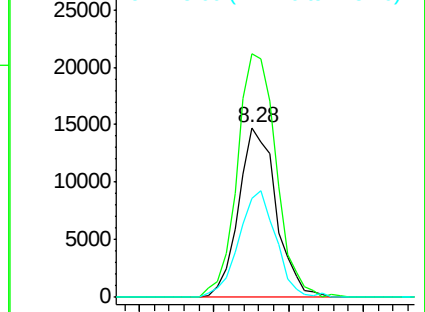
115 58.4 48.1 72.1



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: 130.878 ng

RT: 5.85 min Scan# 385

Delta R.T. -0.05 min

Lab File: BG028929.D

Acq: 26 Sep 2017 5:13

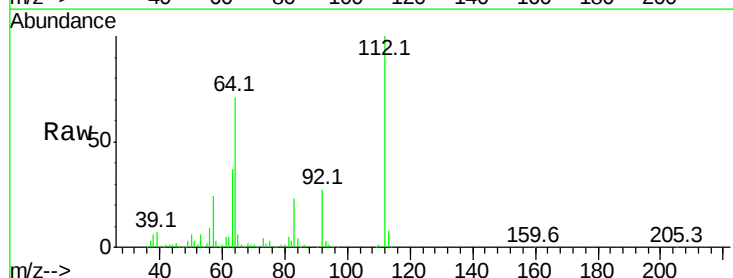
Tgt Ion:112 Resp: 204434

Ion Ratio Lower Upper

112 100

64 70.9 61.8 92.6

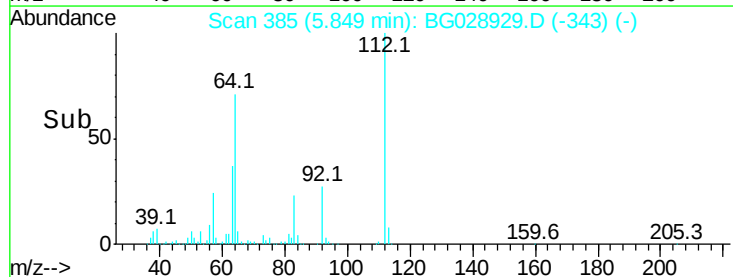
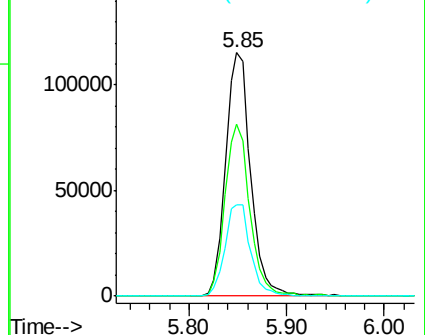
63 37.4 37.2 55.8

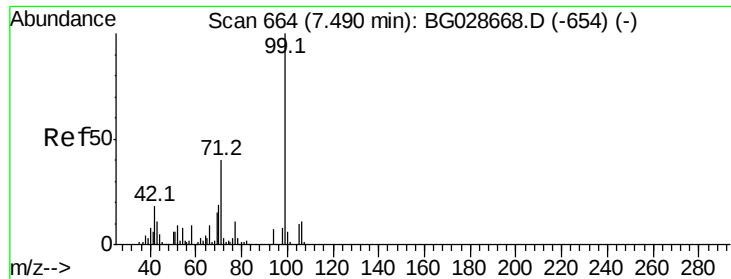


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 96.067 ng

RT: 7.44 min Scan# 655

Delta R.T. -0.05 min

Lab File: BG028929.D

Acq: 26 Sep 2017 5:13

Instrument :

BNA_G

ClientSampleId :

RT-3992

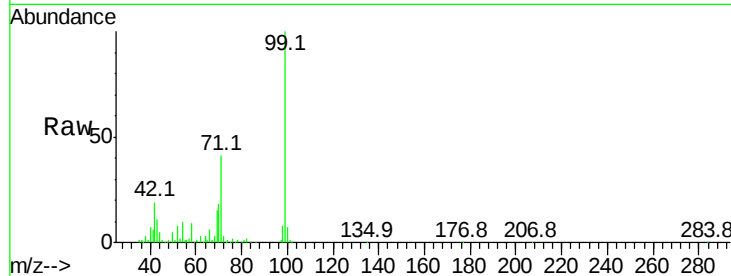
Tot Ion: 99 Resp: 225931

Ion Ratio Lower Upper

99 100

42 19.4 20.5 30.7#

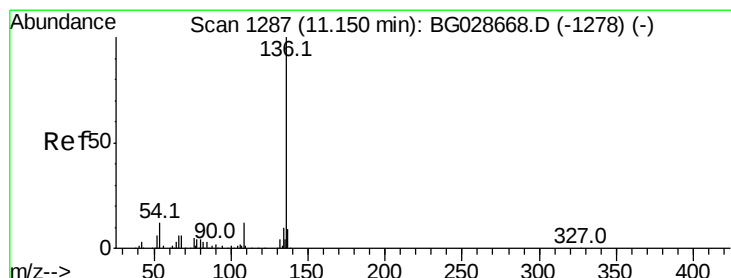
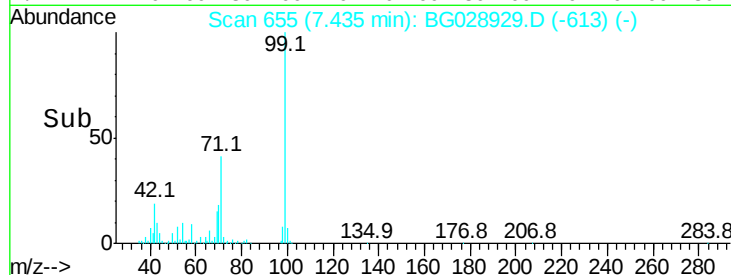
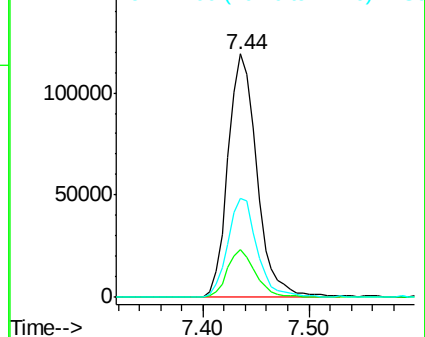
71 40.5 37.6 56.4



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# 1279

Delta R.T. -0.05 min

Lab File: BG028929.D

Acq: 26 Sep 2017 5:13

Tgt Ion: 136 Resp: 95811

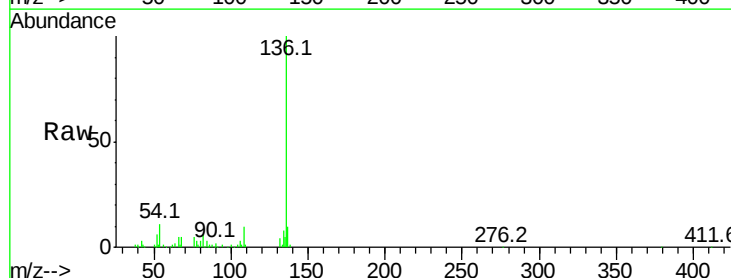
Ion Ratio Lower Upper

136 100

137 9.5 8.9 13.3

54 11.1 9.3 13.9

68 4.9 5.1 7.7#

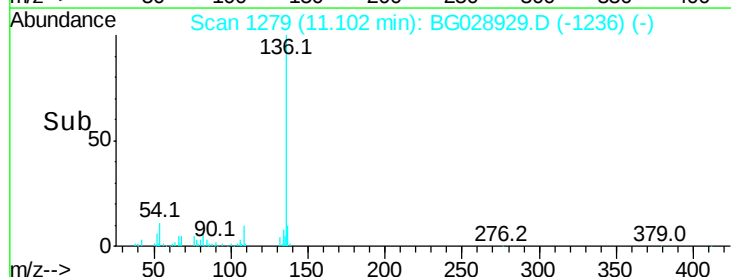
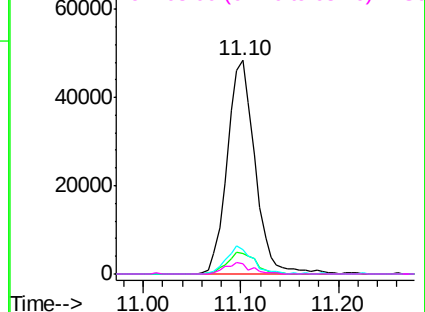


Abundance Ion 136.00 (135.70 to 136.70): BGC

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: 104.154 ng

RT: 9.45 min Scan# 998

Delta R.T. -0.05 min

Lab File: BG028929.D

Acq: 26 Sep 2017 5:13

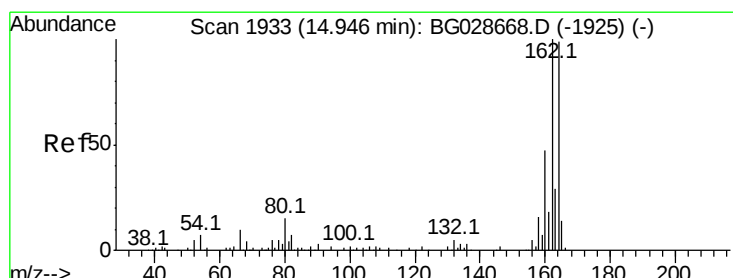
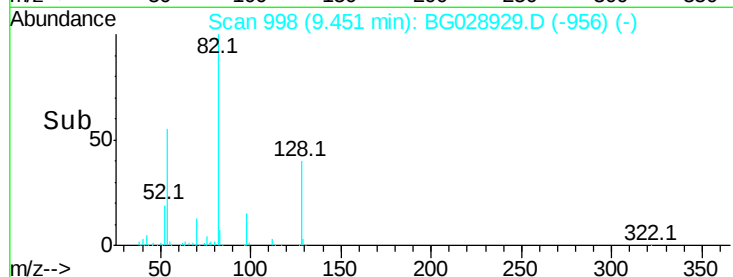
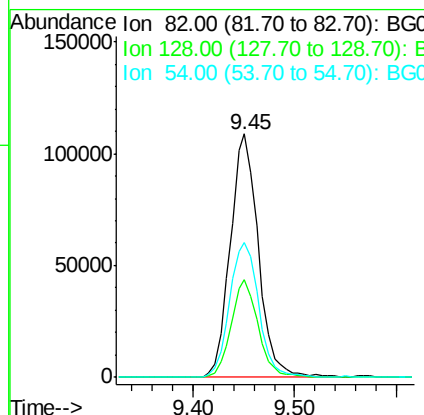
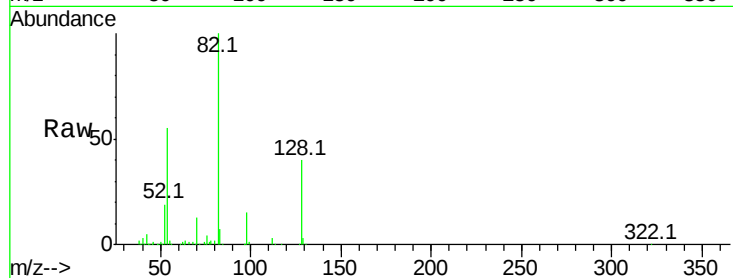
Instrument :

BNA_G

ClientSampleId :

RT-3992

Tot Ion:	82	Resp:	208605
Ion Ratio	Lower	Upper	
82	100		
128	40.0	26.4	39.6#
54	55.4	49.4	74.2



#38

Acenaphthene-d10

Concen: 20.000 ng

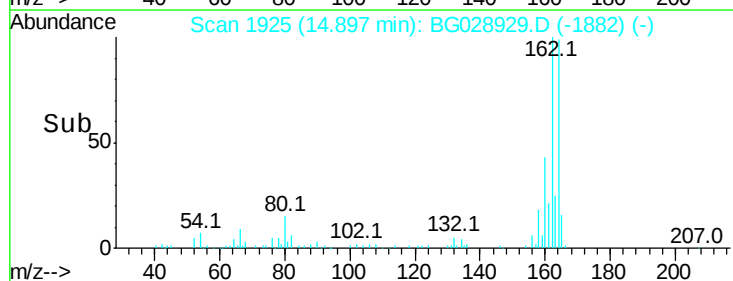
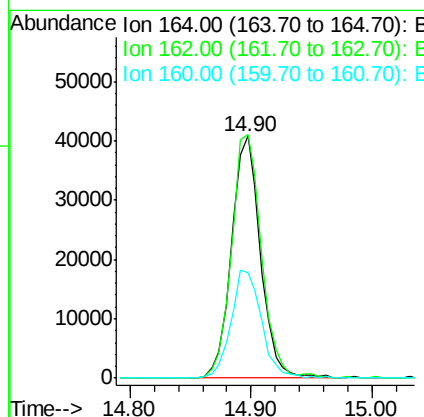
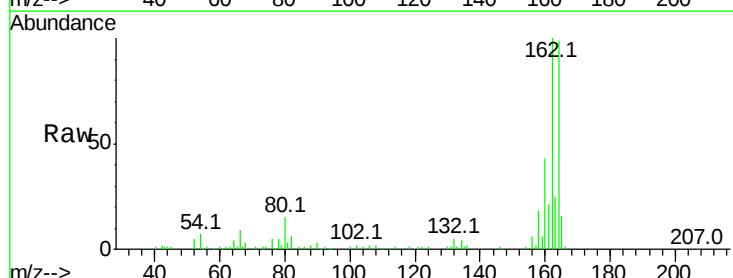
RT: 14.90 min Scan# 1925

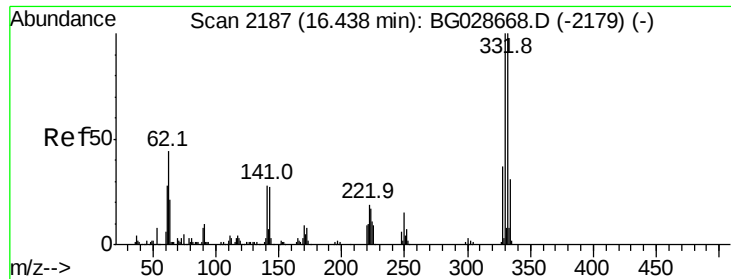
Delta R.T. -0.05 min

Lab File: BG028929.D

Acq: 26 Sep 2017 5:13

Tgt Ion:	164	Resp:	68080
Ion Ratio	Lower	Upper	
164	100		
162	100.6	85.1	127.7
160	43.6	34.7	52.1

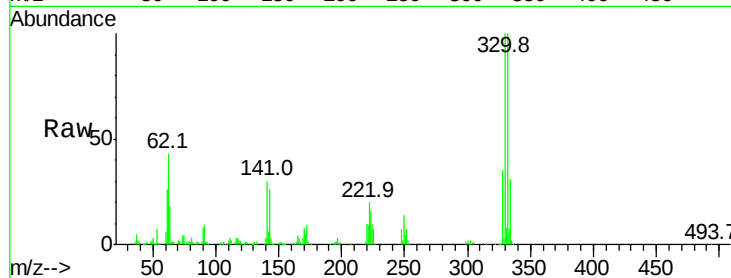




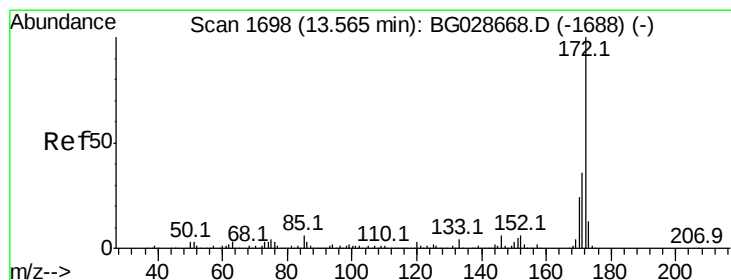
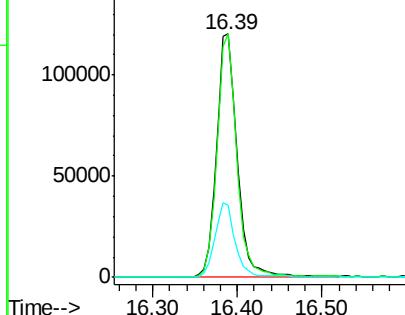
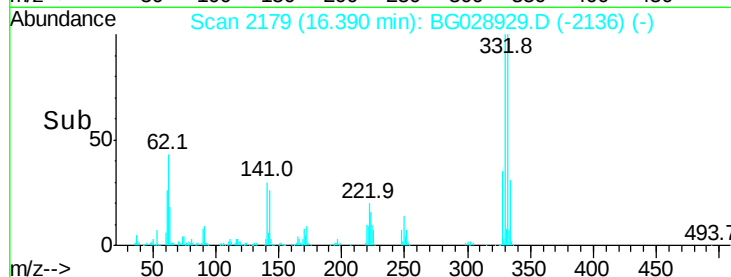
#41
2,4,6-Tribromophenol
Concen: 184.544 ng
RT: 16.39 min Scan# 2179
Delta R.T. -0.05 min
Lab File: BG028929.D
Acq: 26 Sep 2017 5:13

Instrument :
BNA_G
ClientSampleId :
RT-3992

Tot Ion:330 Resp: 207797
Ion Ratio Lower Upper
330 100
332 95.5 77.3 115.9
141 29.6 32.1 48.1#

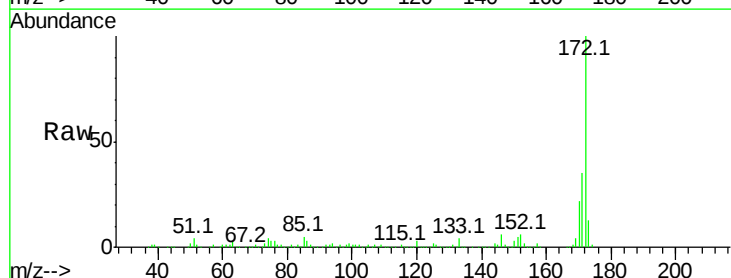


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

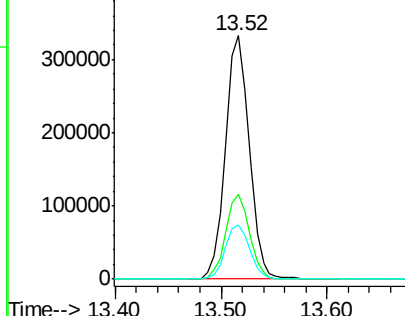
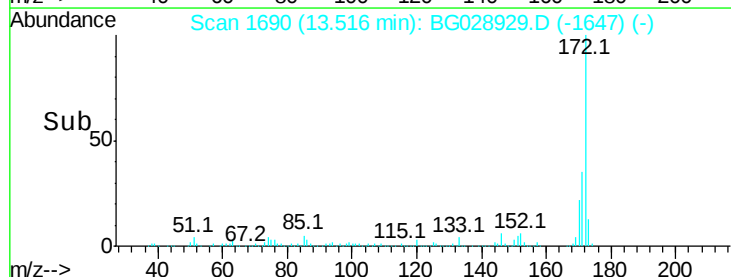


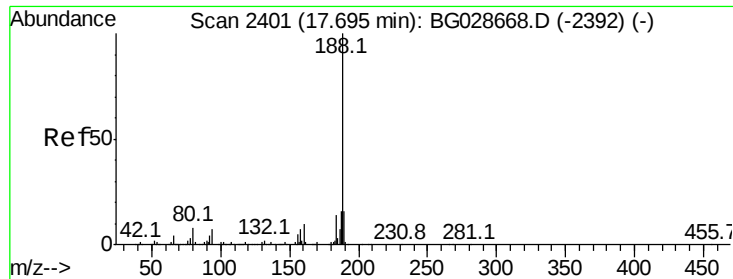
#44
2-Fluorobiphenyl
Concen: 101.710 ng
RT: 13.52 min Scan# 1690
Delta R.T. -0.05 min
Lab File: BG028929.D
Acq: 26 Sep 2017 5:13

Tgt Ion:172 Resp: 519298
Ion Ratio Lower Upper
172 100
171 35.0 32.2 48.2
170 22.2 21.8 32.6



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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.65 min Scan# 2393

Delta R.T. -0.05 min

Lab File: BG028929.D

Acq: 26 Sep 2017 5:13

Instrument :

BNA_G

ClientSampleId :

RT-3992

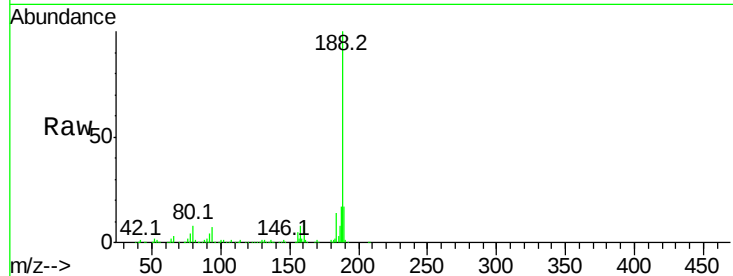
Tot Ion:188 Resp: 219632

Ion Ratio Lower Upper

188 100

94 6.9 5.8 8.8

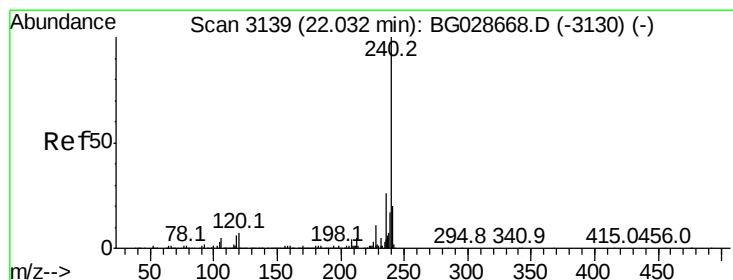
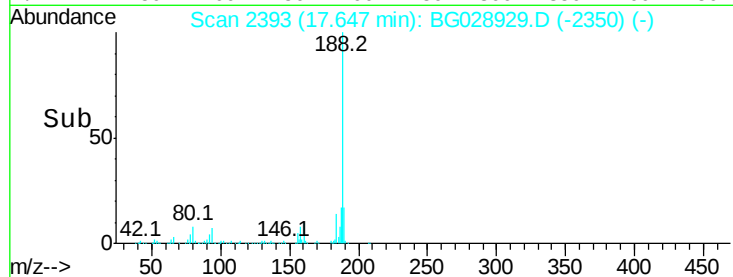
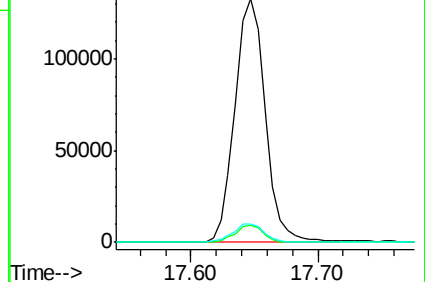
80 7.6 7.5 11.3



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.97 min Scan# 3128

Delta R.T. -0.07 min

Lab File: BG028929.D

Acq: 26 Sep 2017 5:13

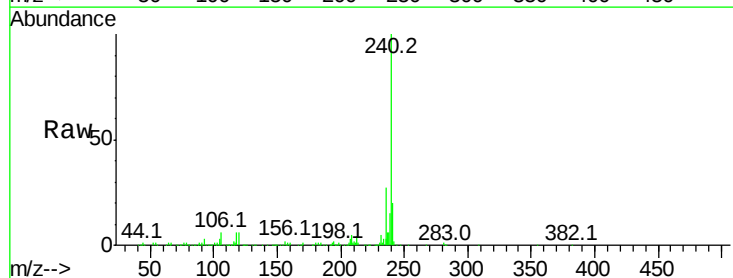
Tgt Ion:240 Resp: 284984

Ion Ratio Lower Upper

240 100

120 6.3 5.7 8.5

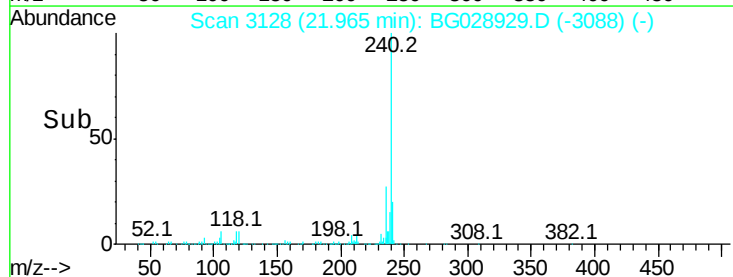
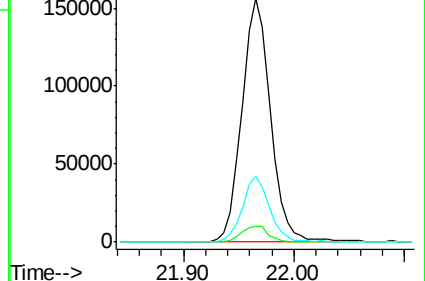
236 26.9 22.2 33.4

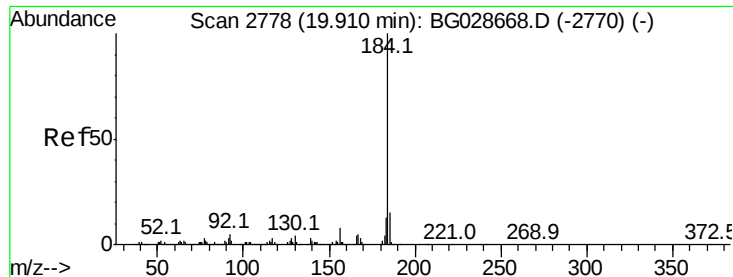


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.611 ng

RT: 19.87 min Scan# 2772

Delta R.T. -0.04 min

Lab File: BG028929.D

Acq: 26 Sep 2017 5:13

Instrument :

BNA_G

ClientSampleId :

RT-3992

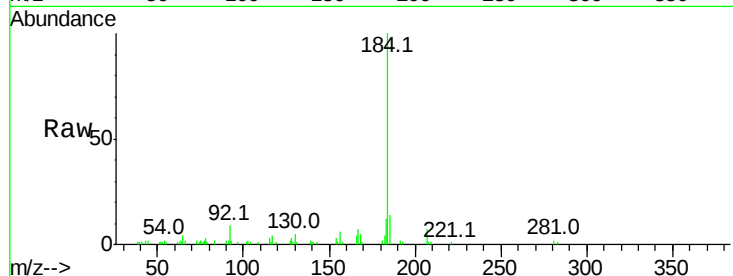
Tot Ion:184 Resp: 48854

Ion Ratio Lower Upper

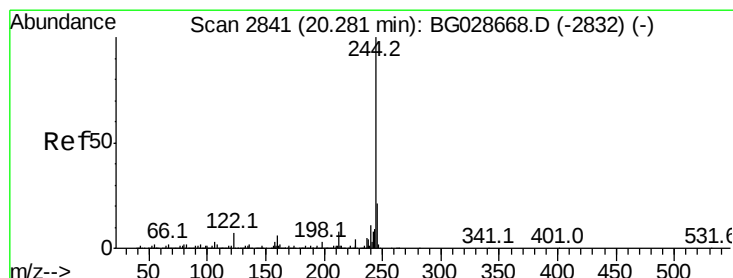
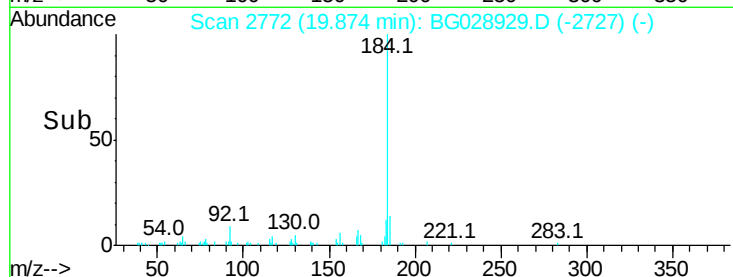
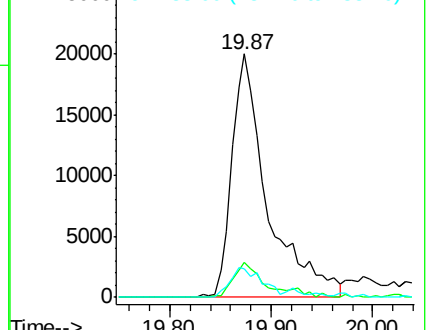
184 100

185 14.2 13.0 19.6

183 11.9 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: 106.122 ng

RT: 20.23 min Scan# 2833

Delta R.T. -0.05 min

Lab File: BG028929.D

Acq: 26 Sep 2017 5:13

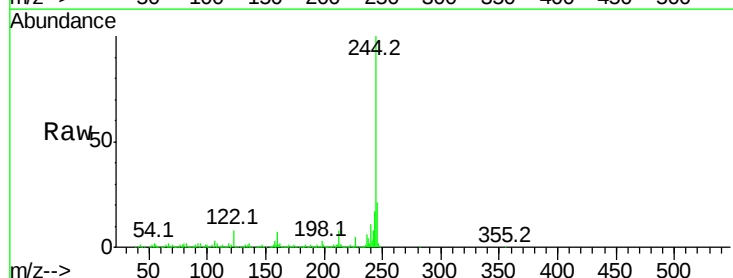
Tgt Ion:244 Resp: 1418150

Ion Ratio Lower Upper

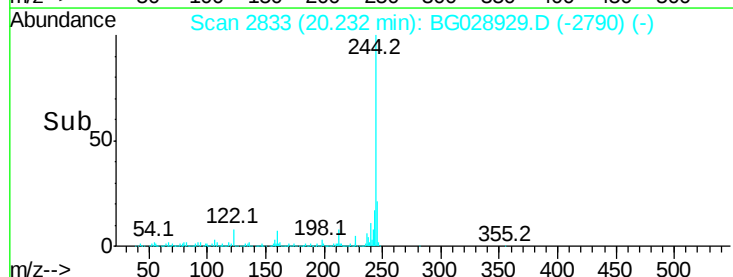
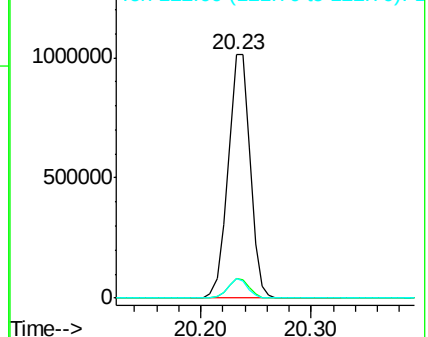
244 100

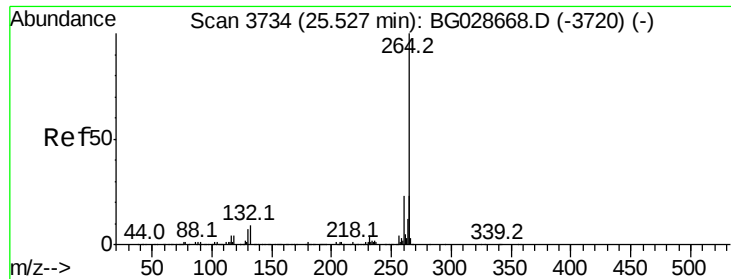
212 8.0 10.0 15.0#

122 7.9 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
Pervlene-d12
Concen: 20.000 ng
RT: 25.42 min Scan# 3716
Delta R.T. -0.11 min
Lab File: BG028929.D
Acq: 26 Sep 2017 5:13

Instrument :
BNA_G
ClientSampleId :
RT-3992

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	21.8	32.8
265	21.0	18.2	27.4

