

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091417\
 Data File : BG028743.D
 Acq On : 14 Sep 2017 22:00
 Operator : SJ/JU
 Sample : I5172-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S32-9021

Quant Time: Sep 15 08:59:46 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

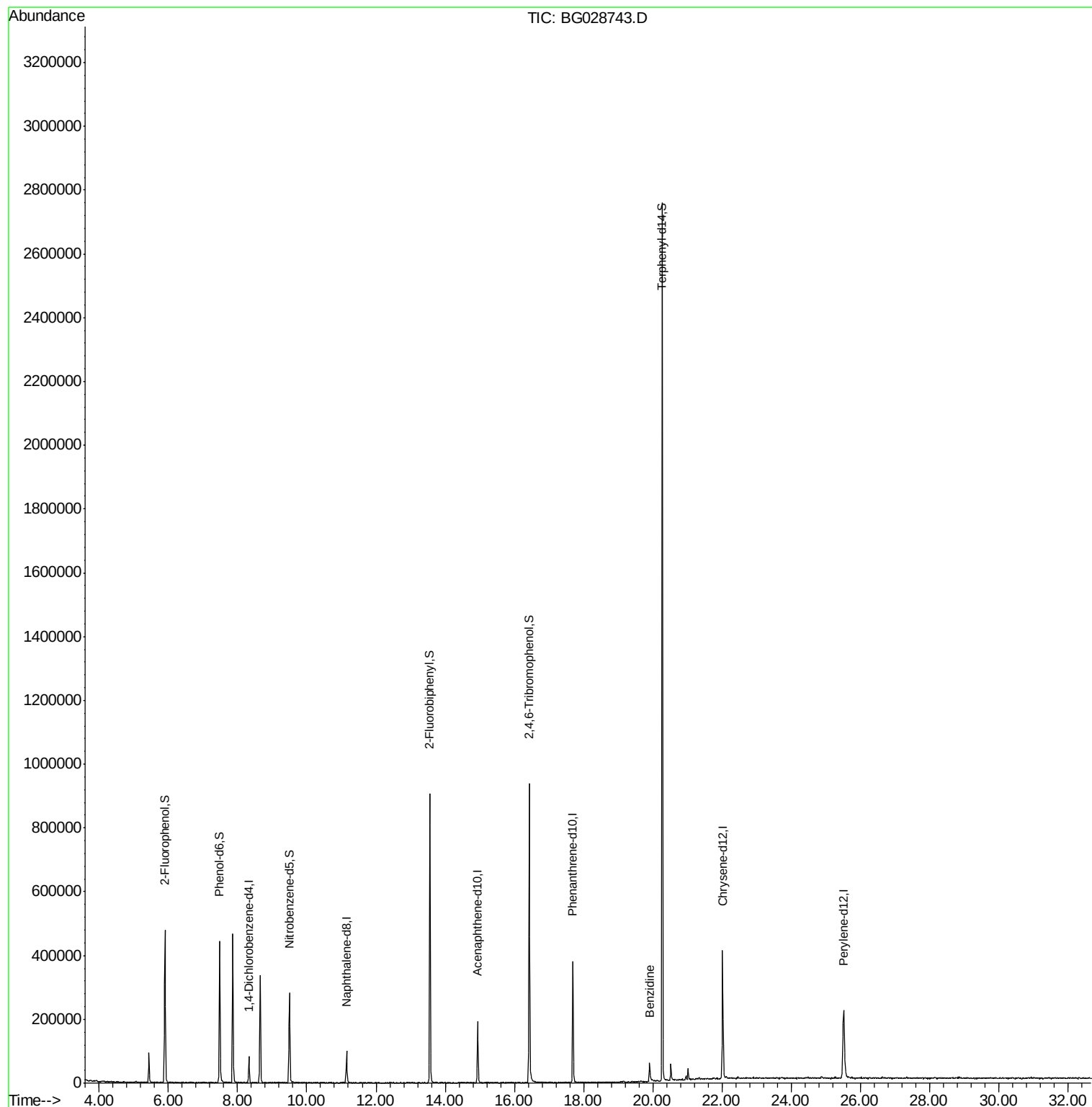
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	22239	20.00	ng	0.00
21) Naphthalene-d8	11.15	136	92214	20.00	ng	0.00
38) Acenaphthene-d10	14.94	164	75719	20.00	ng	0.00
63) Phenanthrene-d10	17.69	188	258058	20.00	ng	0.00
75) Chrysene-d12	22.02	240	291321	20.00	ng	-0.01
86) Perylene-d12	25.52	264	290776	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.90	112	204975	152.08	ng	0.00
7) Phenol-d6	7.48	99	269724	132.92	ng	0.00
23) Nitrobenzene-d5	9.50	82	184631	95.78	ng	0.00
41) 2,4,6-Tribromophenol	16.43	330	219092	174.95	ng	0.00
44) 2-Fluorobiphenyl	13.56	172	506994	89.28	ng	0.00
78) Terphenyl-d14	20.27	244	1294451	94.76	ng	0.00
Target Compounds						
76) Benzidine	19.91	184	56244	7.445	ng	Qvalue 96

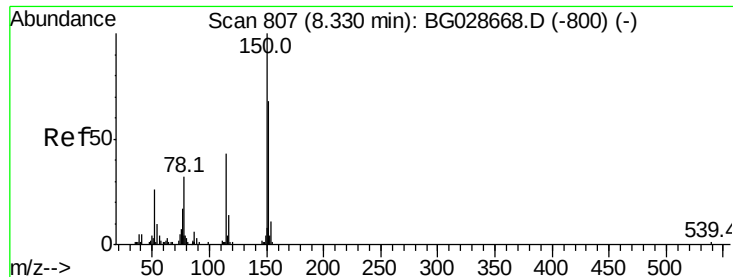
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.33 min Scan# 807

Delta R.T. -0.00 min

Lab File: BG028743.D

Acq: 14 Sep 2017 22:00

Instrument :

BNA_G

ClientSampleId :

S32-9021

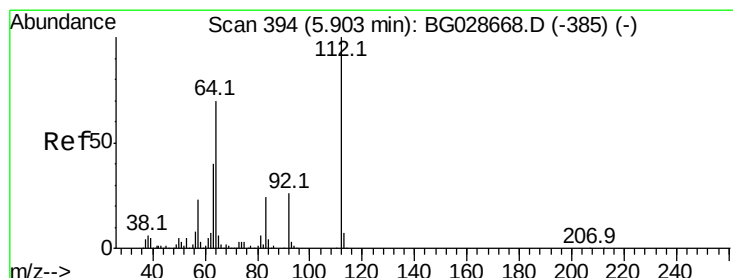
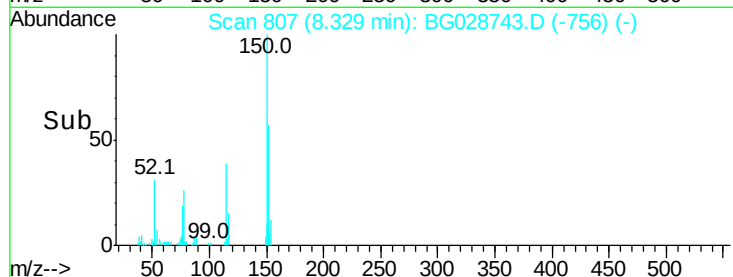
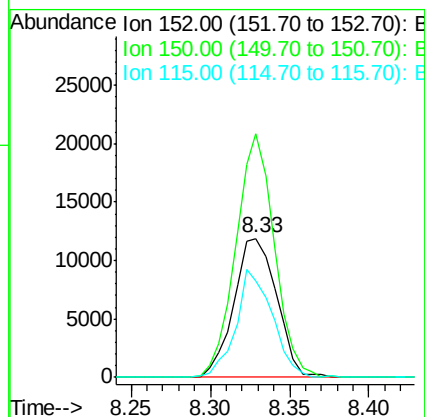
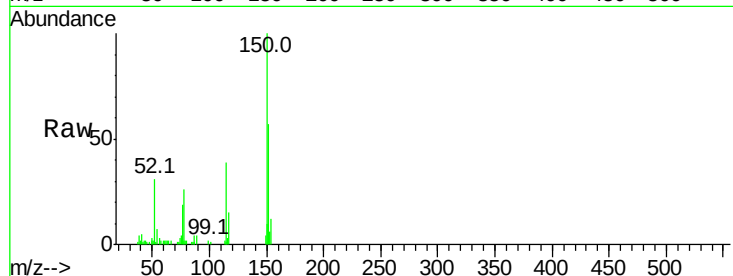
Tot Ion:152 Resp: 22239

Ion Ratio Lower Upper

152 100

150 174.8 114.0 171.0#

115 68.9 48.1 72.1



#5

2-Fluorophenol

Concen: 152.084 ng

RT: 5.90 min Scan# 394

Delta R.T. -0.00 min

Lab File: BG028743.D

Acq: 14 Sep 2017 22:00

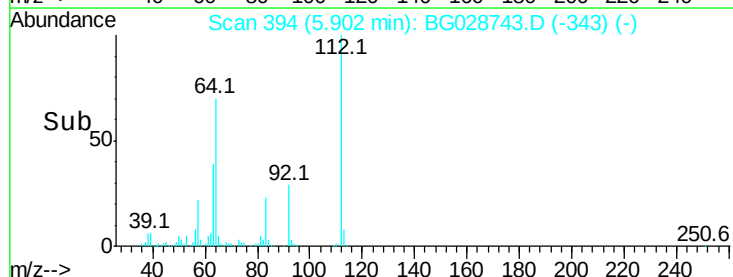
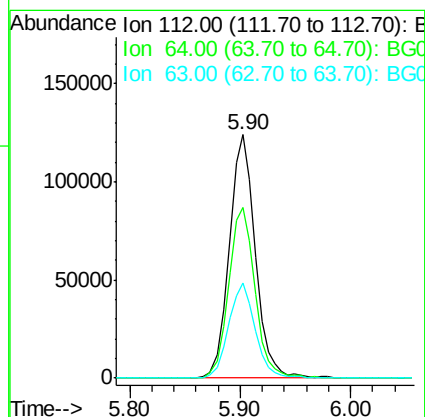
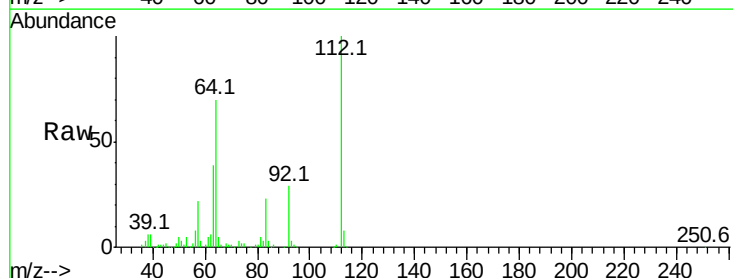
Tgt Ion:112 Resp: 204975

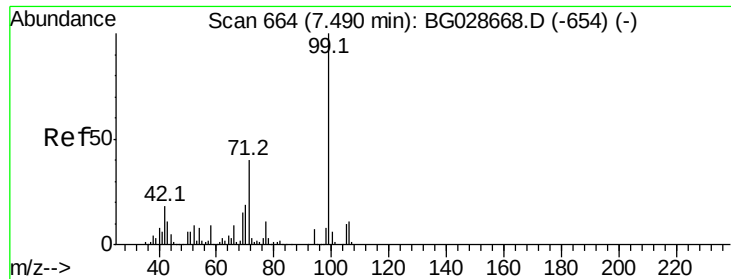
Ion Ratio Lower Upper

112 100

64 70.2 61.8 92.6

63 39.3 37.2 55.8





#7

Phenol-d6

Concen: 132.918 ng

RT: 7.48 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG028743.D

Acq: 14 Sep 2017 22:00

Instrument :

BNA_G

ClientSampleId :

S32-9021

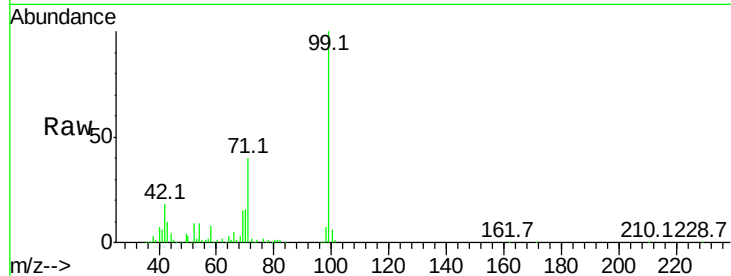
Tot Ion: 99 Resp: 269724

Ion Ratio Lower Upper

99 100

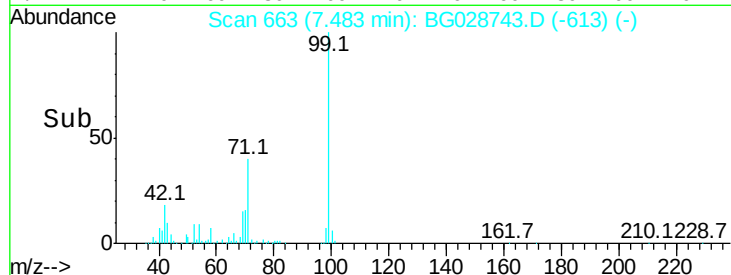
42 18.2 20.5 30.7#

71 39.6 37.6 56.4

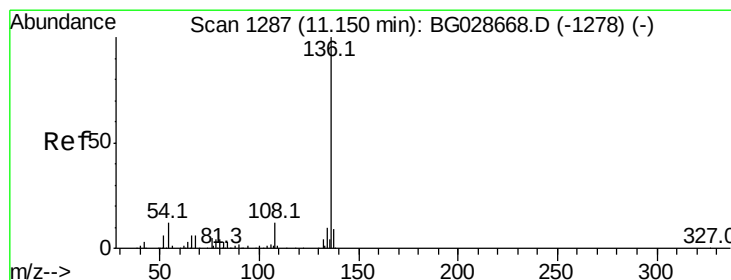


Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC

7.48



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.15 min Scan# 1287

Delta R.T. -0.00 min

Lab File: BG028743.D

Acq: 14 Sep 2017 22:00

Tgt Ion: 136 Resp: 92214

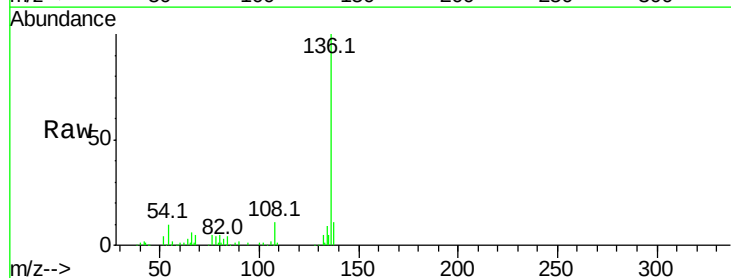
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

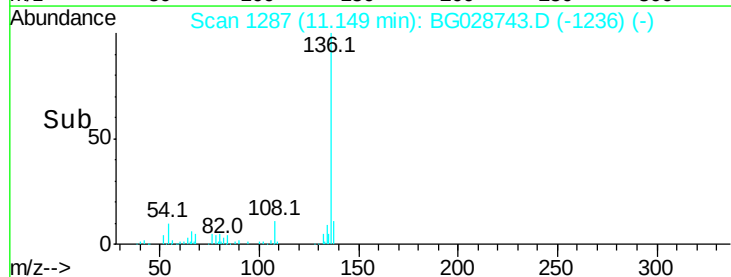
54 10.3 9.3 13.9

68 4.8 5.1 7.7#

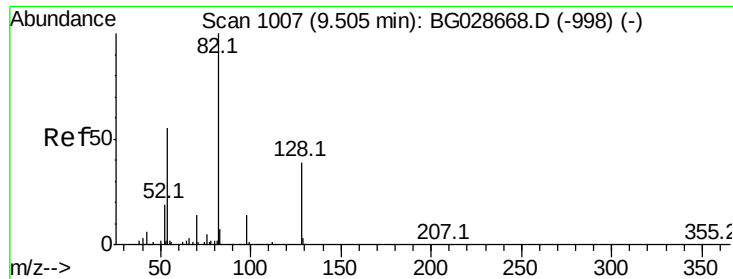


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

11.15



Time-->



#23

Nitrobenzene-d5

Concen: 95.780 ng

RT: 9.50 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BG028743.D

Acq: 14 Sep 2017 22:00

Instrument :

BNA_G

ClientSampled :

S32-9021

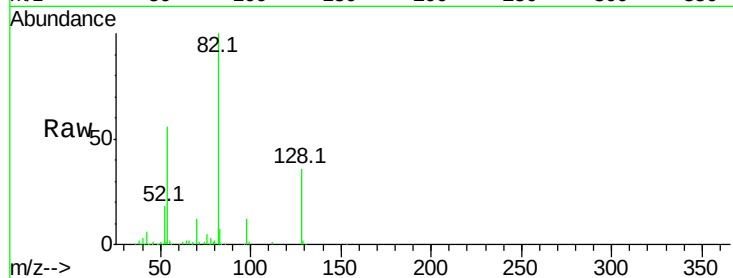
Tot Ion: 82 Resp: 184631

Ion Ratio Lower Upper

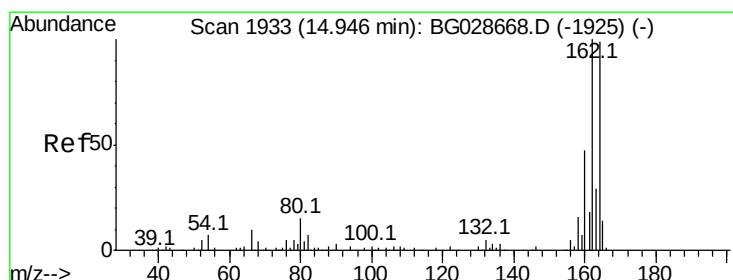
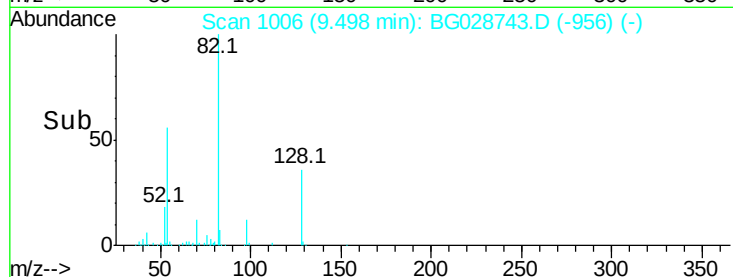
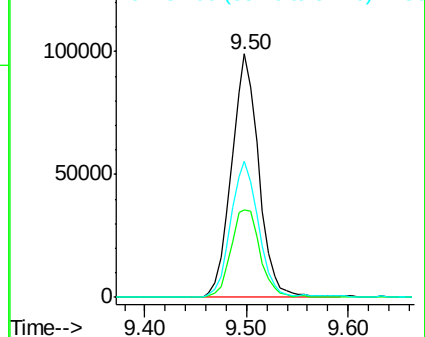
82 100

128 36.0 26.4 39.6

54 55.7 49.4 74.2



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: 14.94 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BG028743.D

Acq: 14 Sep 2017 22:00

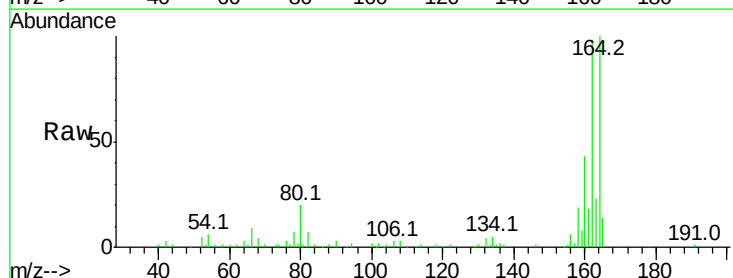
Tgt Ion: 164 Resp: 75719

Ion Ratio Lower Upper

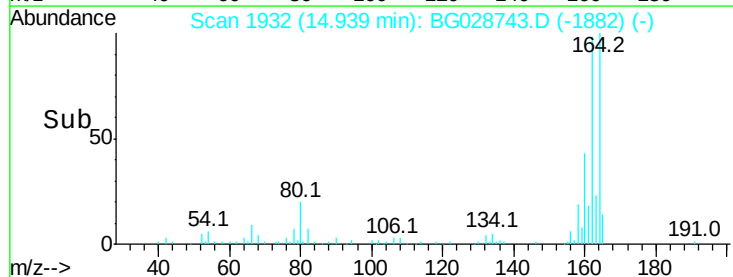
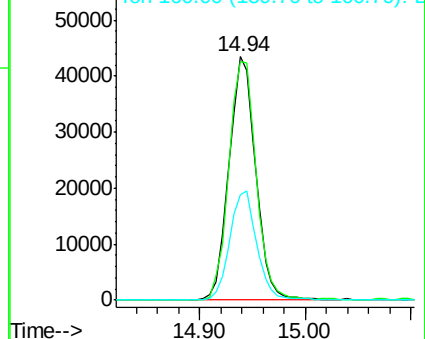
164 100

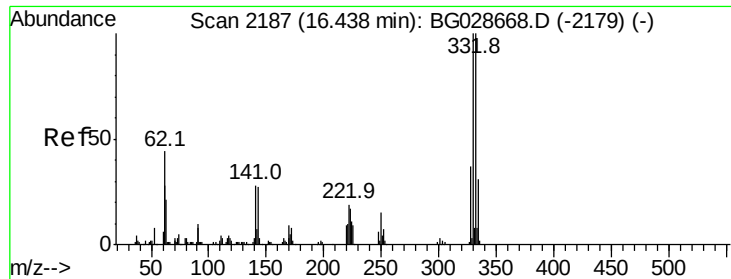
162 98.0 85.1 127.7

160 43.3 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

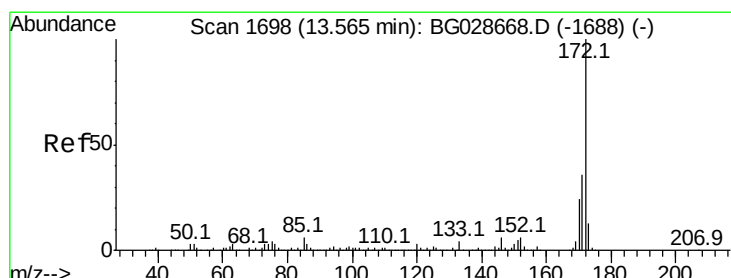
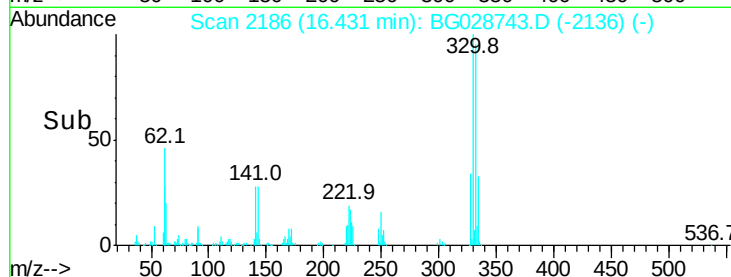
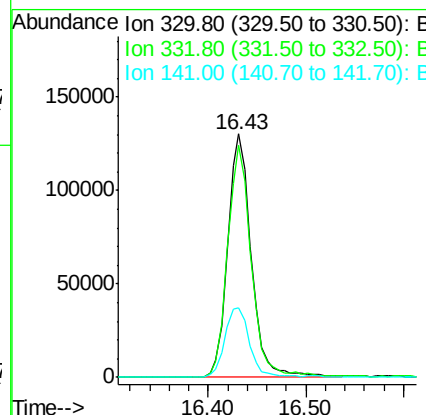
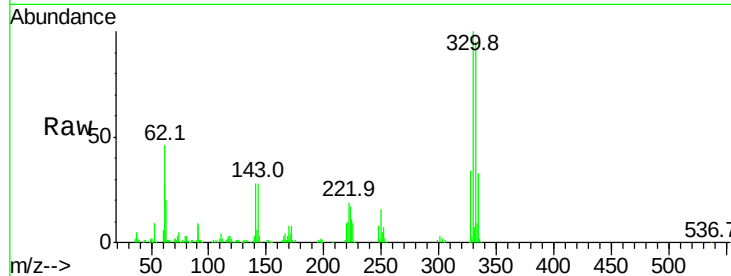




#41
2,4,6-Tribromophenol
Concen: 174.945 ng
RT: 16.43 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BG028743.D
Acq: 14 Sep 2017 22:00

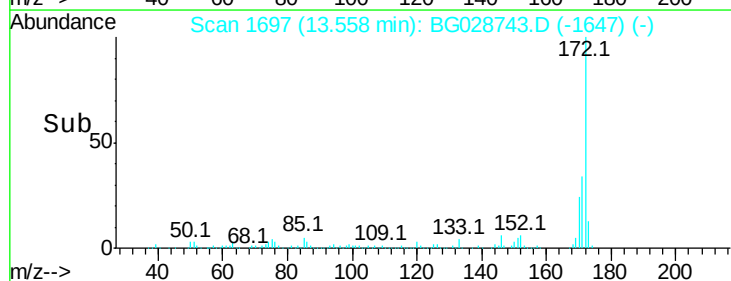
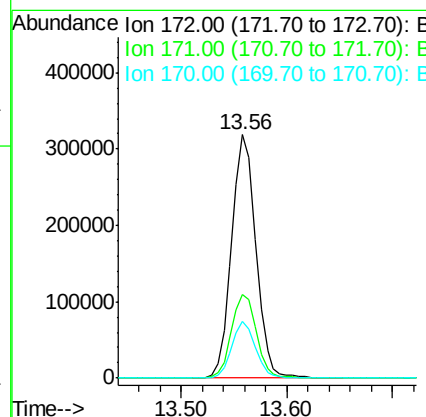
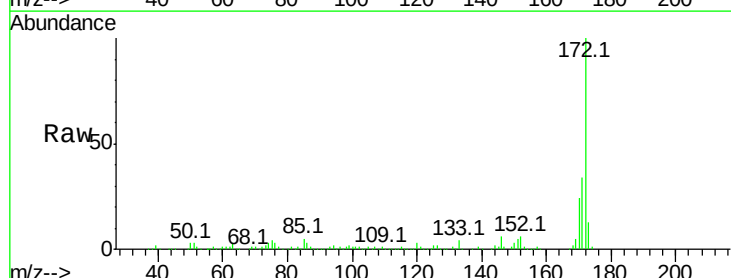
Instrument :
BNA_G
ClientSampleId :
S32-9021

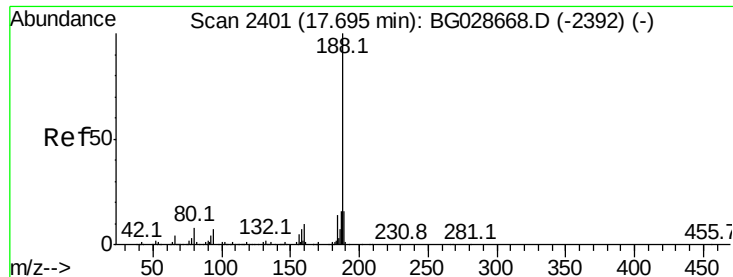
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.3	115.9
141	29.9	32.1	48.1#



#44
2-Fluorobiphenyl
Concen: 89.282 ng
RT: 13.56 min Scan# 1697
Delta R.T. -0.01 min
Lab File: BG028743.D
Acq: 14 Sep 2017 22:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	32.2	48.2
170	23.5	21.8	32.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.69 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BG028743.D

Acq: 14 Sep 2017 22:00

Instrument :

BNA_G

ClientSampleId :

S32-9021

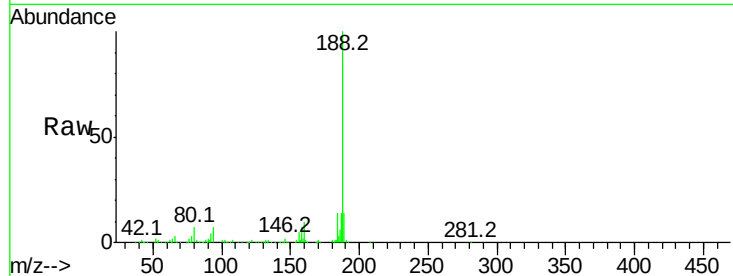
Tot Ion:188 Resp: 258058

Ion Ratio Lower Upper

188 100

94 6.5 5.8 8.8

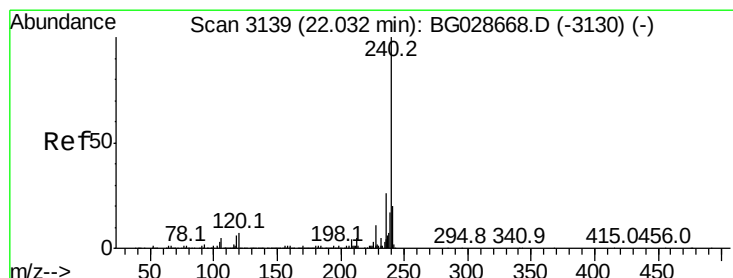
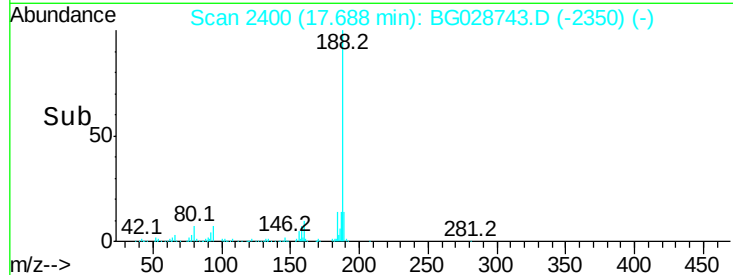
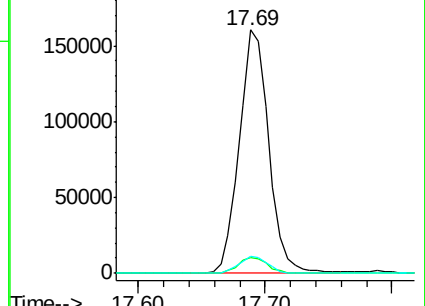
80 7.3 7.5 11.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.02 min Scan# 3137

Delta R.T. -0.01 min

Lab File: BG028743.D

Acq: 14 Sep 2017 22:00

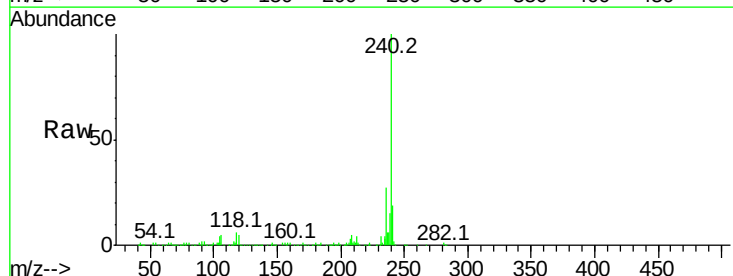
Tgt Ion:240 Resp: 291321

Ion Ratio Lower Upper

240 100

120 5.3 5.7 8.5#

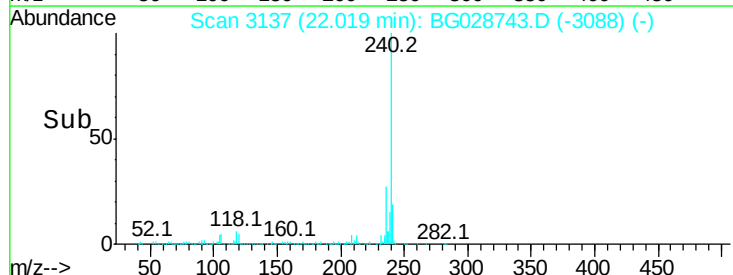
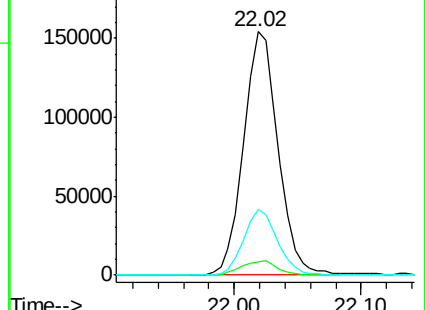
236 27.2 22.2 33.4

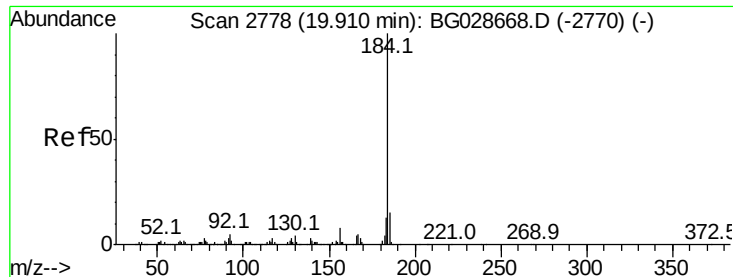


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 7.445 ng

RT: 19.91 min Scan# 2778

Delta R.T. -0.00 min

Lab File: BG028743.D

Acq: 14 Sep 2017 22:00

Instrument :

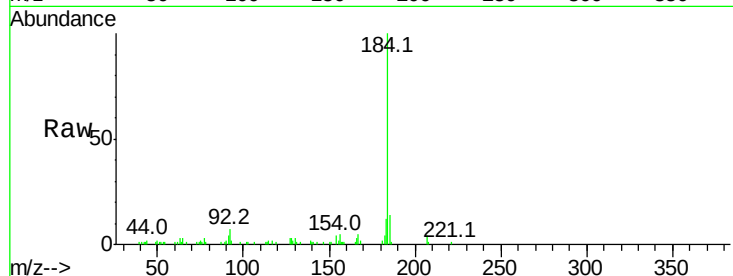
BNA_G

ClientSampleId :

S32-9021

Tot Ion:184 Resp: 56244

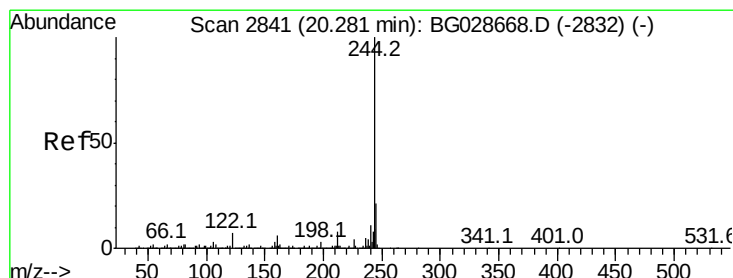
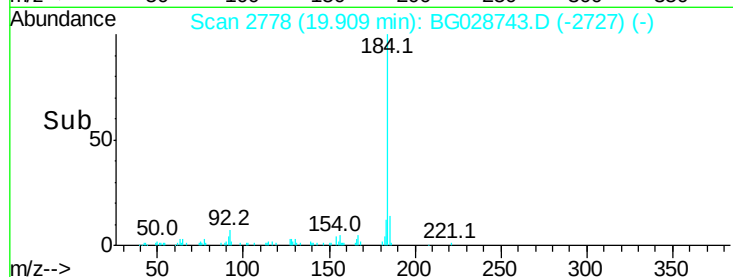
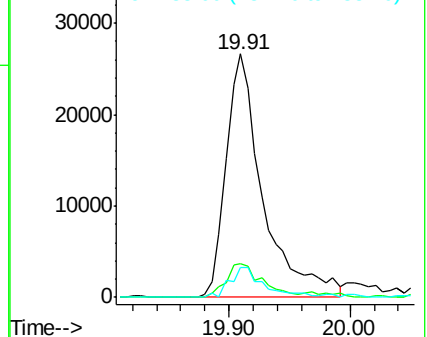
Ion	Ratio	Lower	Upper
184	100		
185	14.1	13.0	19.6
183	12.5	11.0	16.6



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: 94.758 ng

RT: 20.27 min Scan# 2840

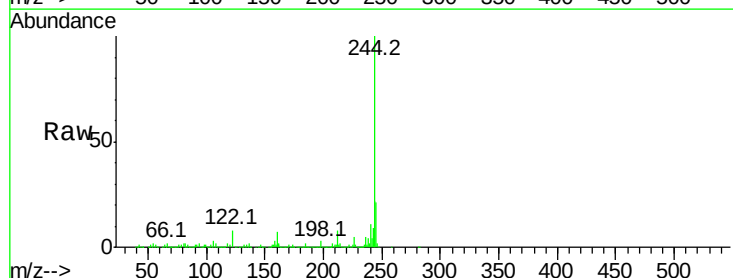
Delta R.T. -0.01 min

Lab File: BG028743.D

Acq: 14 Sep 2017 22:00

Tgt Ion:244 Resp: 1294451

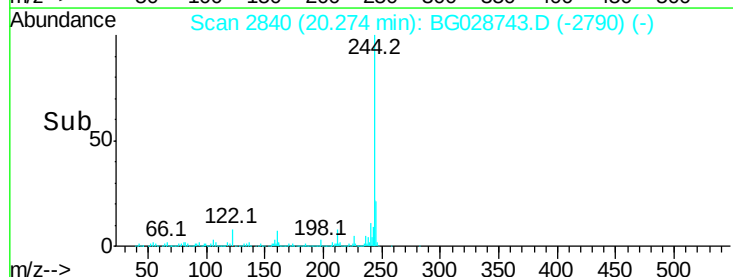
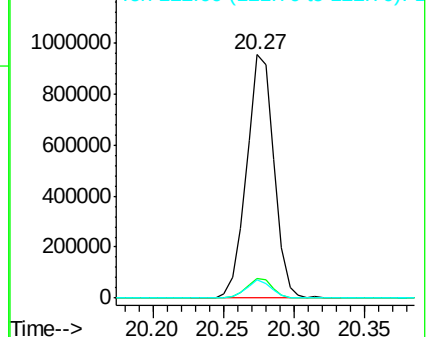
Ion	Ratio	Lower	Upper
244	100		
212	7.9	10.0	15.0#
122	7.7	8.6	12.8#

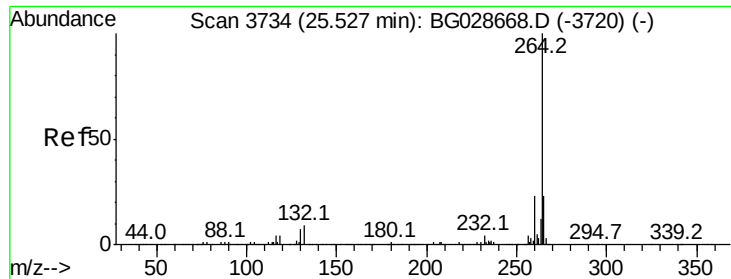


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.52 min Scan# 3733
 Delta R.T. -0.01 min
 Lab File: BG028743.D
 Acq: 14 Sep 2017 22:00

Instrument :
 BNA_G
 ClientSampleId :
 S32-9021

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	21.8	32.8
265	22.1	18.2	27.4

