

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091317\
 Data File : BG028723.D
 Acq On : 14 Sep 2017 8:43
 Operator : SJ/JU
 Sample : I5201-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-091117

Quant Time: Sep 14 11:03:52 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

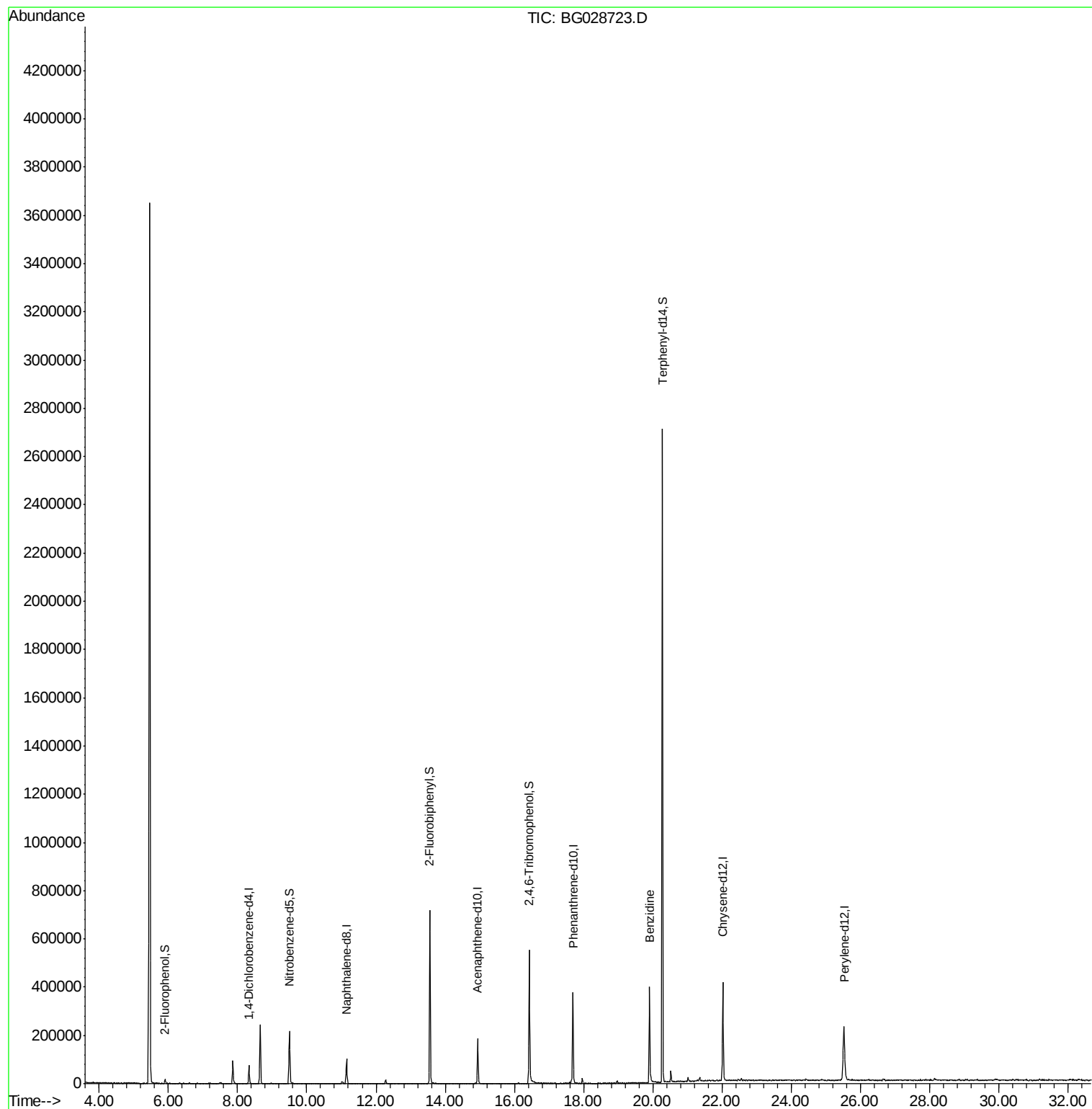
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	21403	20.00	ng	0.00
21) Naphthalene-d8	11.15	136	90231	20.00	ng	0.00
38) Acenaphthene-d10	14.94	164	71294	20.00	ng	0.00
63) Phenanthrene-d10	17.69	188	251246	20.00	ng	0.00
75) Chrysene-d12	22.02	240	289836	20.00	ng	0.00
86) Perylene-d12	25.53	264	297379	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.90	112	7833	6.04	ng	0.00
7) Phenol-d6	7.49	99	2934	1.50	ng	0.00
23) Nitrobenzene-d5	9.50	82	141808	75.18	ng	0.00
41) 2,4,6-Tribromophenol	16.43	330	133450	113.17	ng	0.00
44) 2-Fluorobiphenyl	13.56	172	401591	75.11	ng	0.00
78) Terphenyl-d14	20.28	244	1245340	91.63	ng	0.00
Target Compounds						
76) Benzidine	19.90	184	278651	37.074	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: 8.33 min Scan# 807

Delta R.T. -0.00 min

Lab File: BG028723.D

Acq: 14 Sep 2017 8:43

Instrument :

BNA_G

ClientSampleId :

SU-03-091117

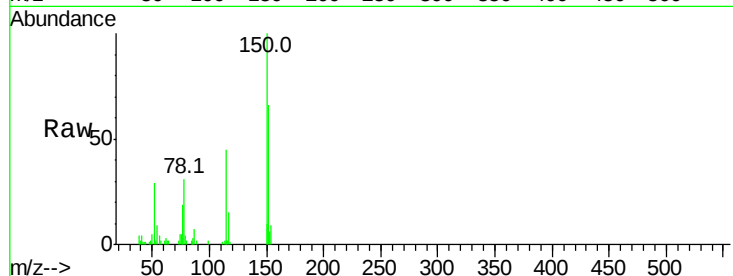
Tot Ion:152 Resp: 21403

Ion Ratio Lower Upper

152 100

150 150.8 114.0 171.0

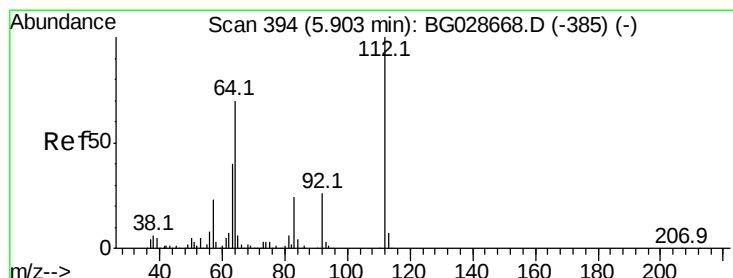
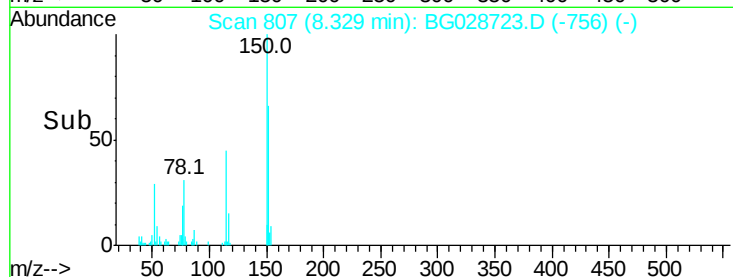
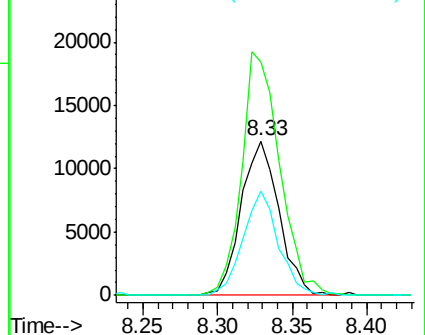
115 67.4 48.1 72.1



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: 6.039 ng

RT: 5.90 min Scan# 394

Delta R.T. -0.00 min

Lab File: BG028723.D

Acq: 14 Sep 2017 8:43

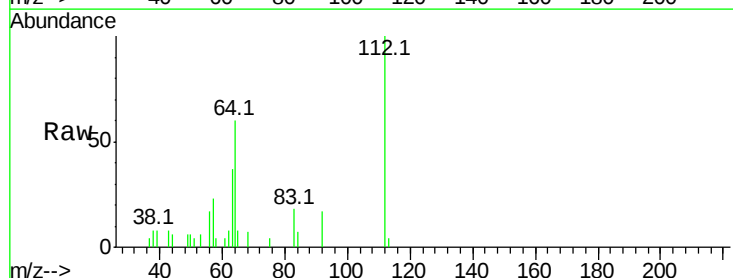
Tgt Ion:112 Resp: 7833

Ion Ratio Lower Upper

112 100

64 59.9 61.8 92.6#

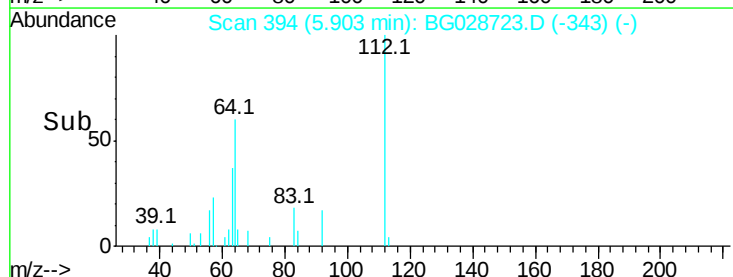
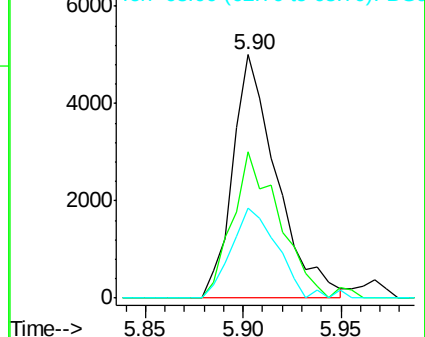
63 37.0 37.2 55.8#

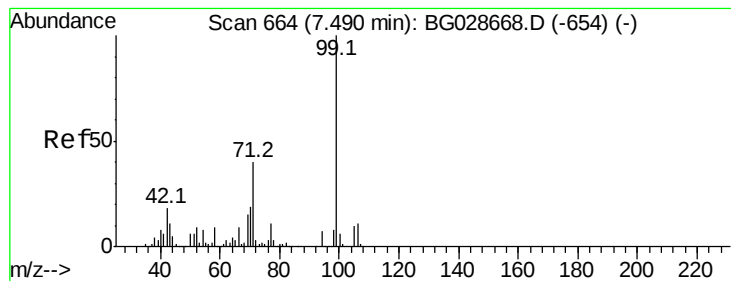


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 1.502 ng

RT: 7.49 min Scan# 665

Delta R.T. 0.01 min

Lab File: BG028723.D

Acq: 14 Sep 2017 8:43

Instrument :

BNA_G

ClientSampleId :

SU-03-091117

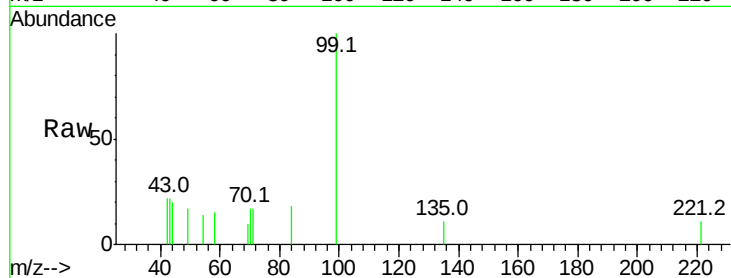
Tot Ion: 99 Resp: 2934

Ion Ratio Lower Upper

99 100

42 21.9 20.5 30.7

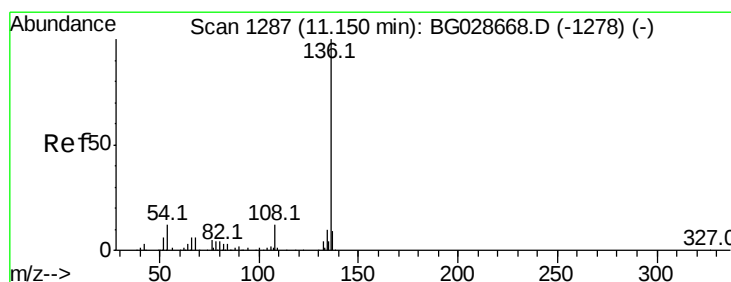
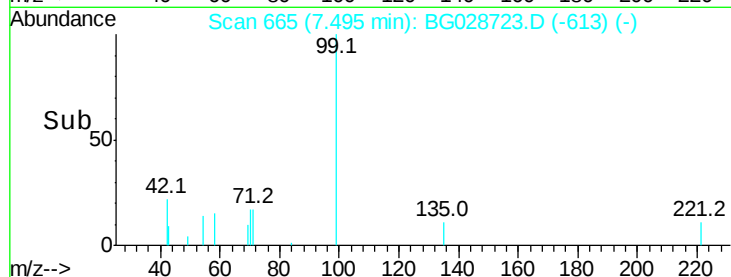
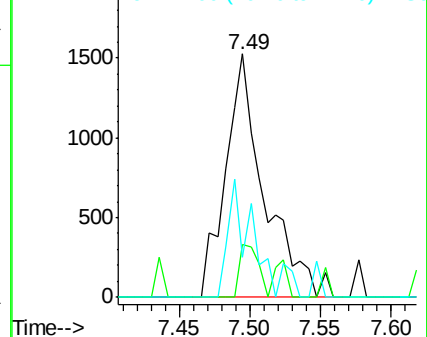
71 16.6 37.6 56.4#



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.15 min Scan# 1287

Delta R.T. -0.00 min

Lab File: BG028723.D

Acq: 14 Sep 2017 8:43

Tgt Ion: 136 Resp: 90231

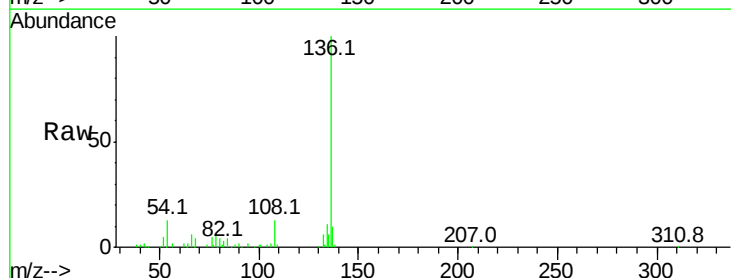
Ion Ratio Lower Upper

136 100

137 9.5 8.9 13.3

54 12.7 9.3 13.9

68 3.5 5.1 7.7#

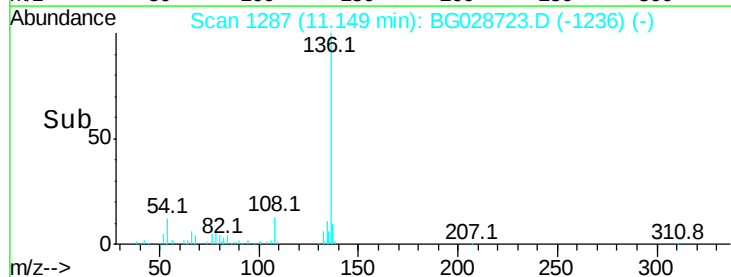
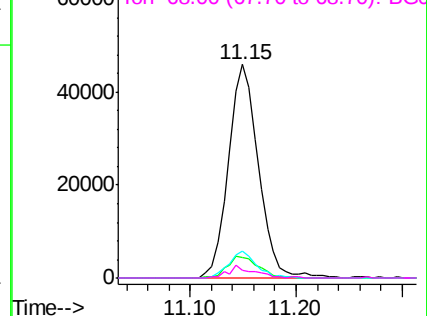


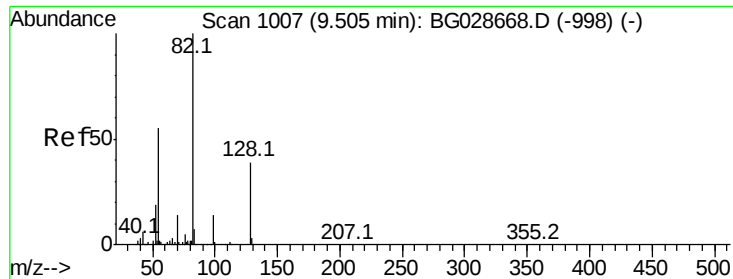
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

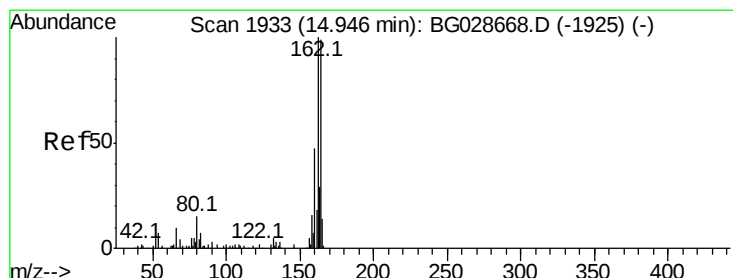
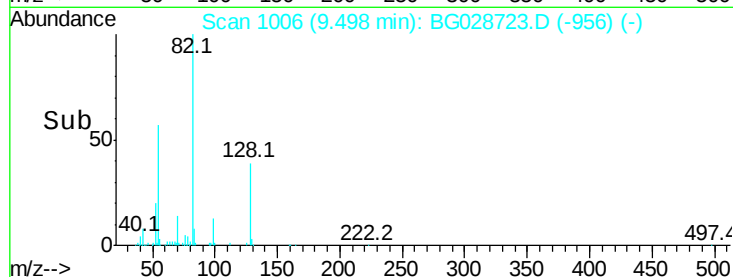
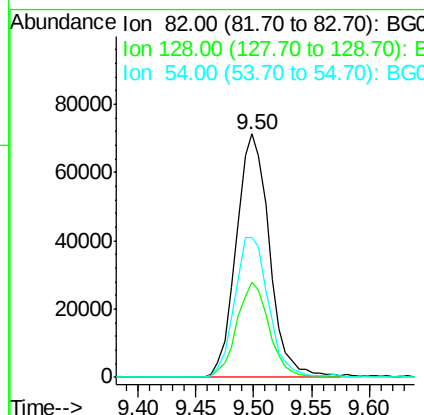
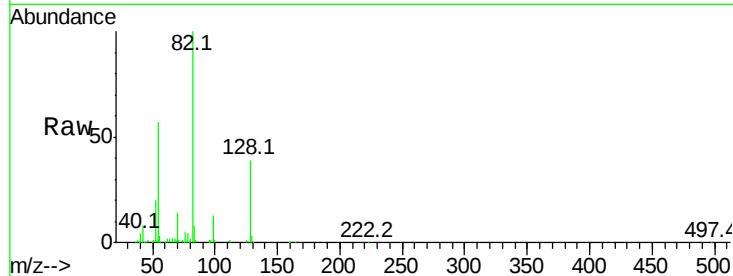




#23
 Nitrobenzene-d5
 Concen: 75.182 ng
 RT: 9.50 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: BG028723.D
 Acq: 14 Sep 2017 8:43

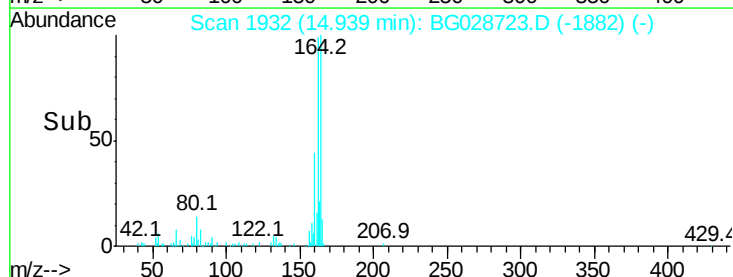
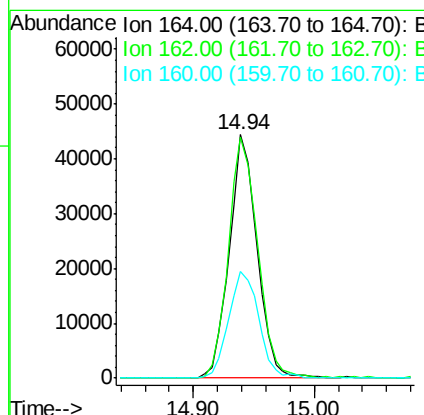
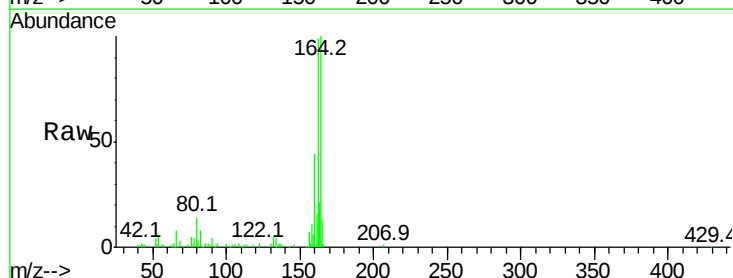
Instrument :
 BNA_G
 ClientSampleId :
 SU-03-091117

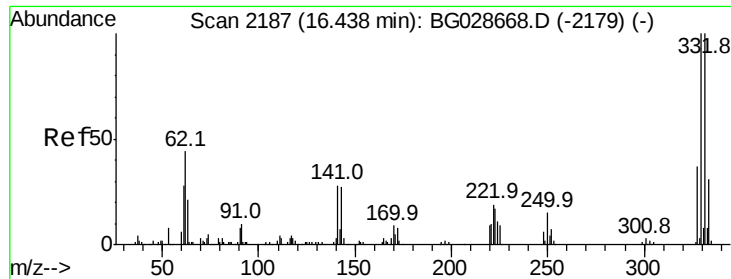
Tot Ion	82	Resp	141808
Ion Ratio	100	Lower	Upper
128	39.2	26.4	39.6
54	57.5	49.4	74.2



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.94 min Scan# 1932
 Delta R.T. -0.01 min
 Lab File: BG028723.D
 Acq: 14 Sep 2017 8:43

Tgt Ion	164	Resp	71294
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	98.9	85.1	127.7
160	43.9	34.7	52.1

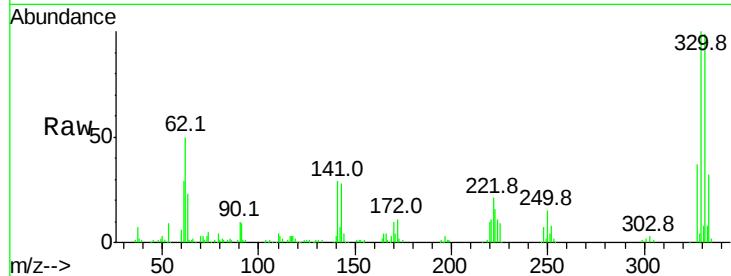




#41
 2,4,6-Tribromophenol
 Concen: 113.174 ng
 RT: 16.43 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: BG028723.D
 Acq: 14 Sep 2017 8:43

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-091117

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.3	115.9
141	29.6	32.1	48.1#

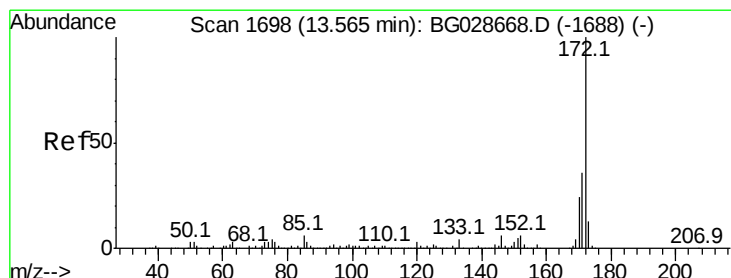
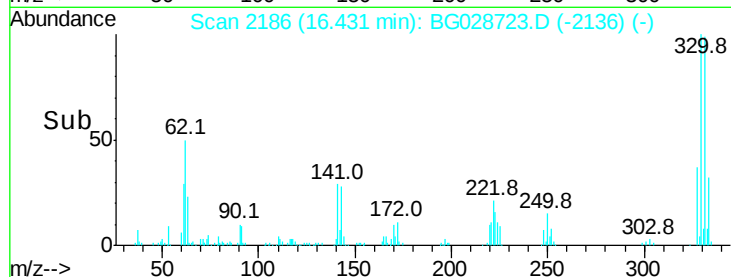
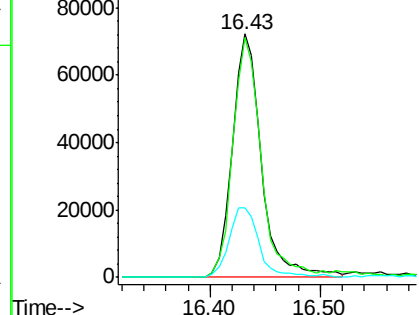


Abundance

Ion 329.80 (329.50 to 330.50): E

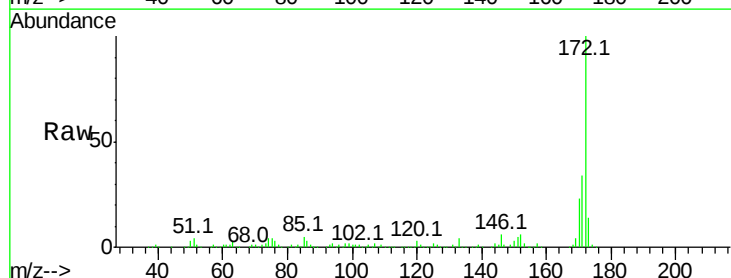
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 75.110 ng
 RT: 13.56 min Scan# 1697
 Delta R.T. -0.01 min
 Lab File: BG028723.D
 Acq: 14 Sep 2017 8:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	32.2	48.2
170	22.7	21.8	32.6

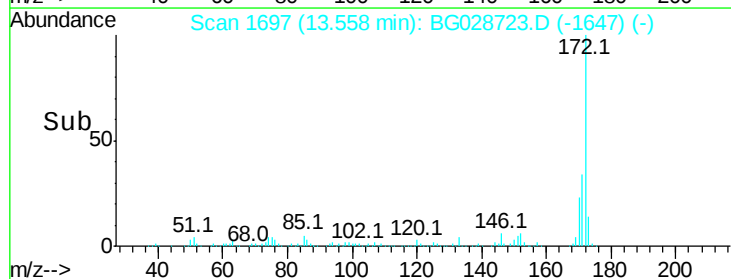
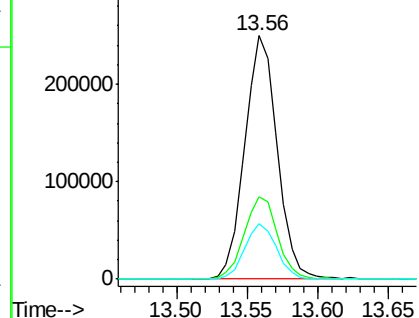


Abundance

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

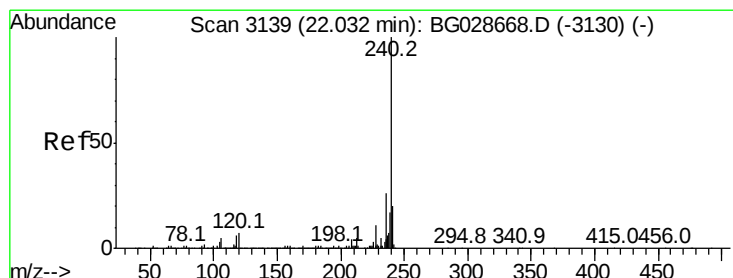
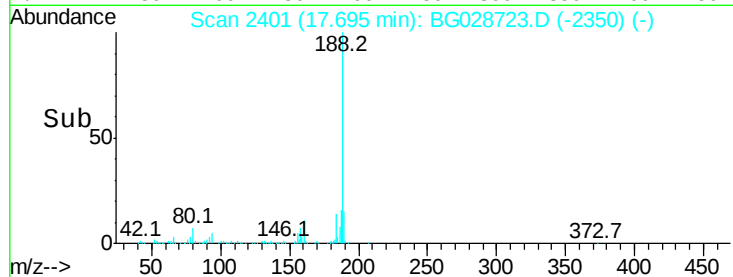
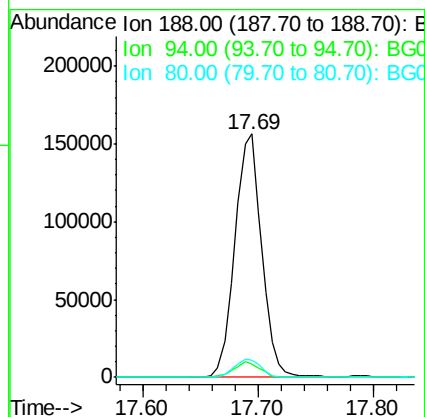
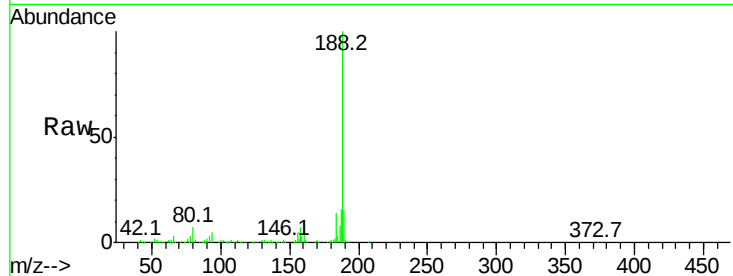




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.69 min Scan# 2401
Delta R.T. -0.00 min
Lab File: BG028723.D
Acq: 14 Sep 2017 8:43

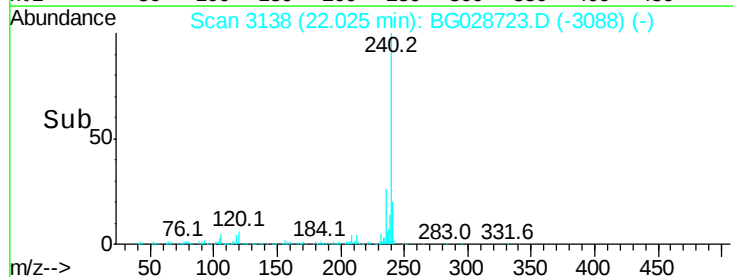
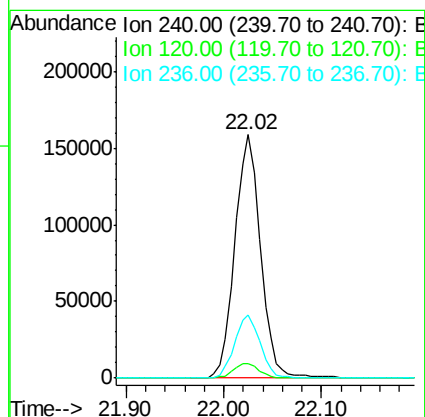
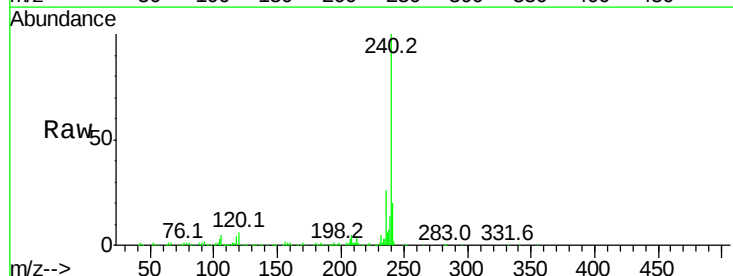
Instrument :
BNA_G
ClientSampleId :
SU-03-091117

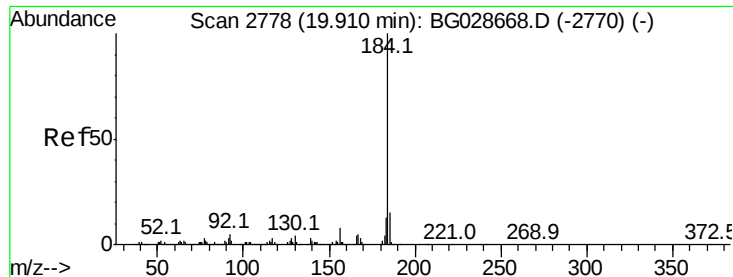
Tot Ion:188 Resp: 251246
Ion Ratio Lower Upper
188 100
94 5.4 5.8 8.8#
80 7.1 7.5 11.3#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.02 min Scan# 3138
Delta R.T. -0.01 min
Lab File: BG028723.D
Acq: 14 Sep 2017 8:43

Tgt Ion:240 Resp: 289836
Ion Ratio Lower Upper
240 100
120 6.1 5.7 8.5
236 26.0 22.2 33.4





#76

Benzidine

Concen: 37.074 ng

RT: 19.90 min Scan# 2777

Delta R.T. -0.01 min

Lab File: BG028723.D

Acq: 14 Sep 2017 8:43

Instrument :

BNA_G

ClientSampleId :

SU-03-091117

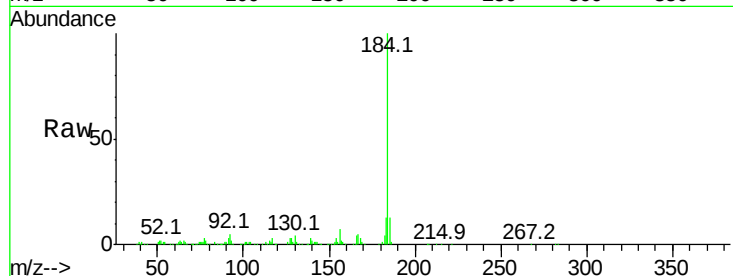
Tot Ion:184 Resp: 278651

Ion Ratio Lower Upper

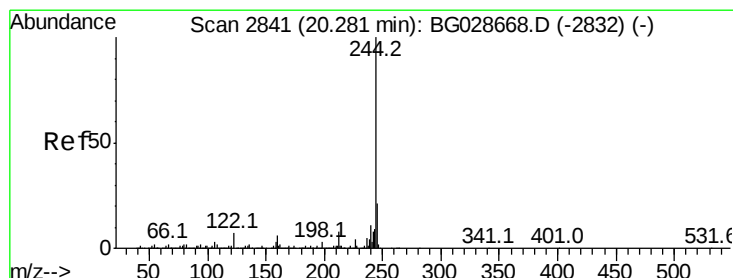
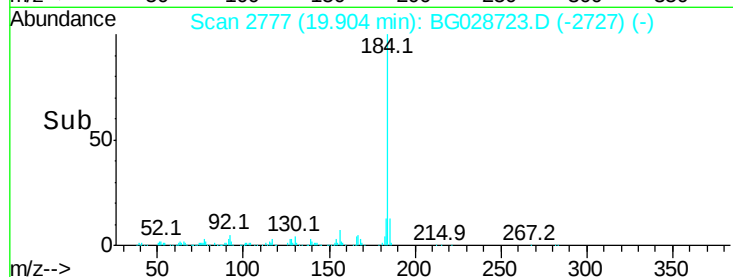
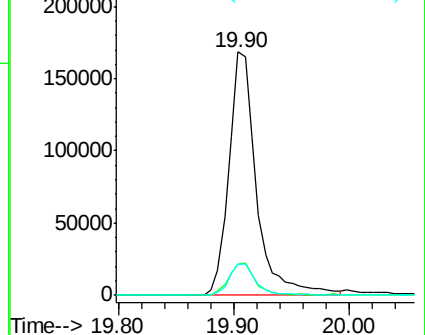
184 100

185 12.9 13.0 19.6#

183 12.8 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: 91.630 ng

RT: 20.28 min Scan# 2841

Delta R.T. -0.00 min

Lab File: BG028723.D

Acq: 14 Sep 2017 8:43

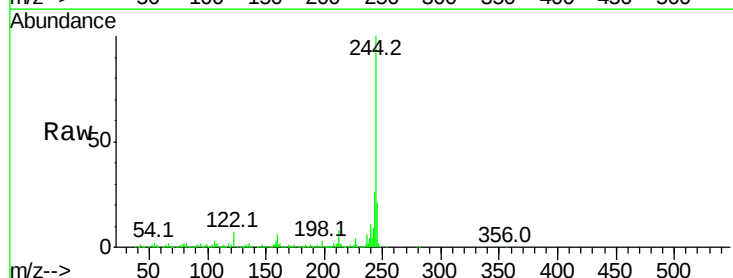
Tgt Ion:244 Resp: 1245340

Ion Ratio Lower Upper

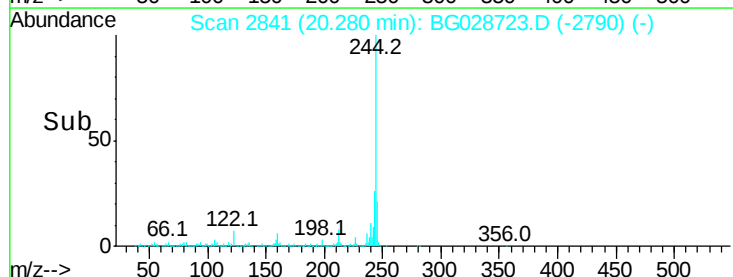
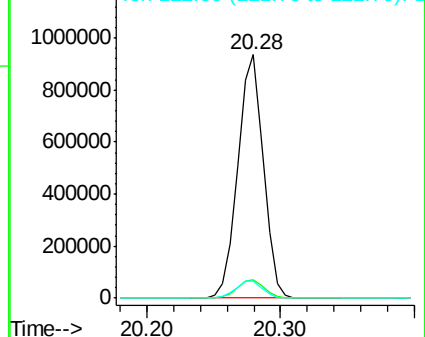
244 100

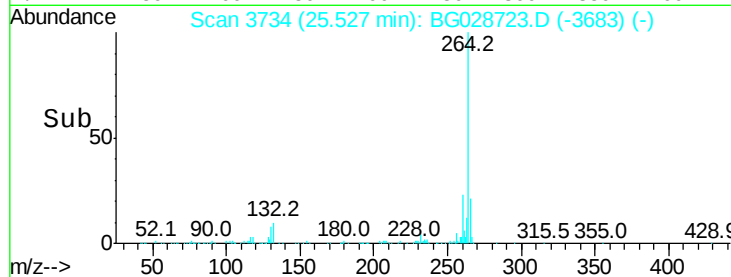
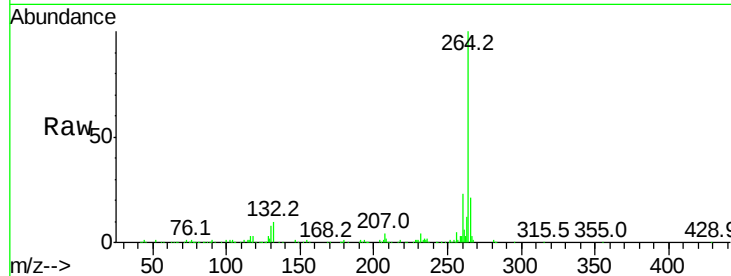
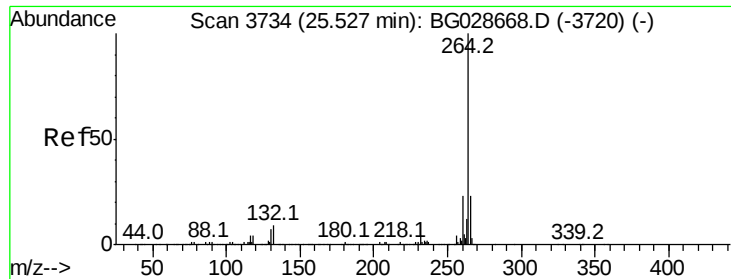
212 7.7 10.0 15.0#

122 7.2 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: 25.53 min Scan# 3734

Delta R.T. -0.00 min

Lab File: BG028723.D

Acq: 14 Sep 2017 8:43

Instrument :

BNA_G

ClientSampleId :

SU-03-091117

Tot Ion:264 Resp: 297379

Ion	Ratio	Lower	Upper
264	100		
260	22.5	21.8	32.8
265	21.5	18.2	27.4

264 100

260 22.5 21.8 32.8

265 21.5 18.2 27.4

