

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 :

Quant Time: Sep 14 11:00:52 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

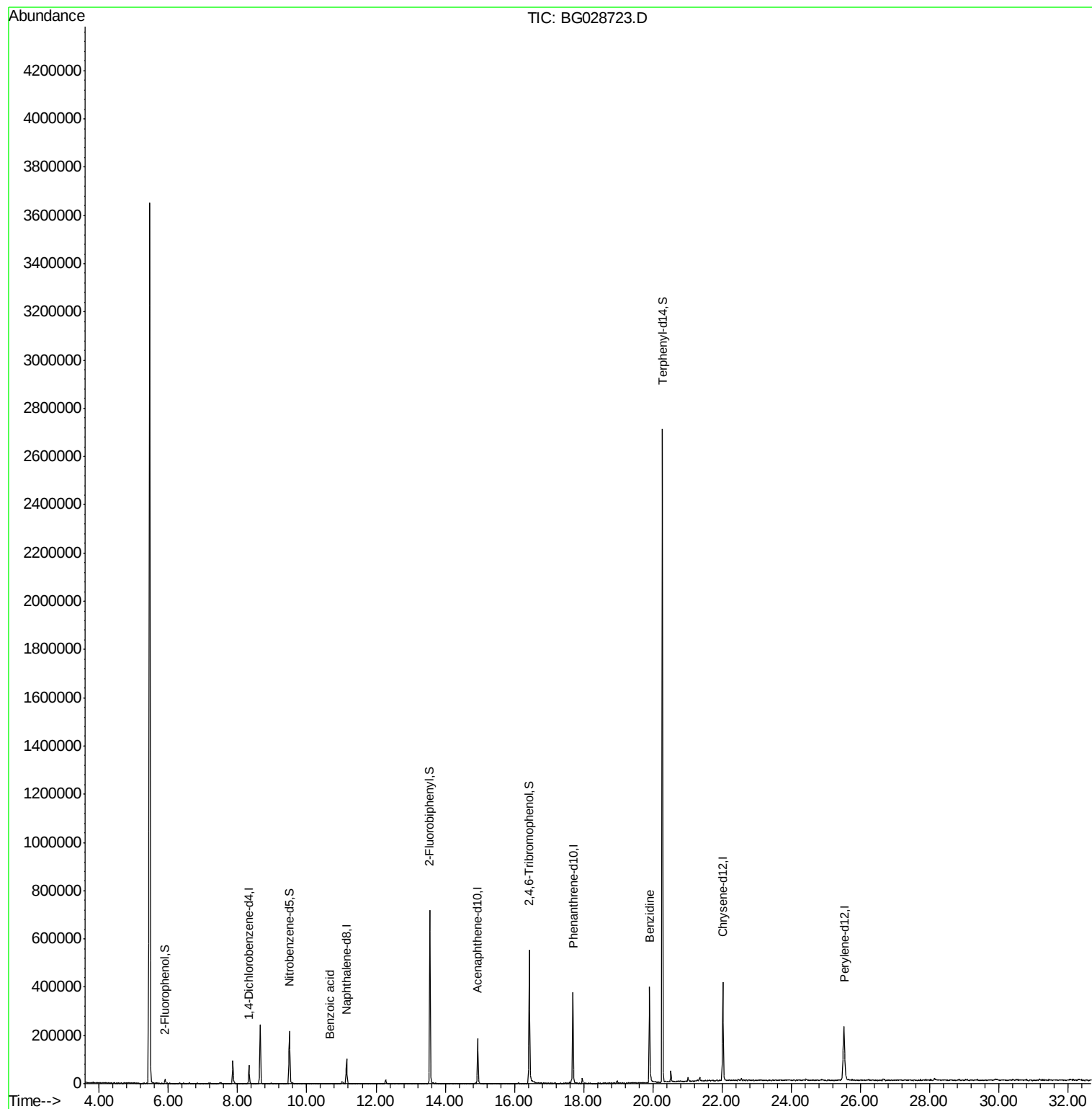
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	21403	20.00	ng	0.00
21) Naphthalene-d8	11.15	136	90231	20.00	ng	0.00
38) Acenaphthene-d10	14.94	164	71294	20.00	ng	0.00
63) Phenanthrene-d10	17.69	188	251246	20.00	ng	0.00
75) Chrysene-d12	22.02	240	289836	20.00	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						
32) Benzoic acid	10.69	122	58	6.130	ng	# 1
76) Benzidine	19.90	184	278651	37.074	ng	# 95

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

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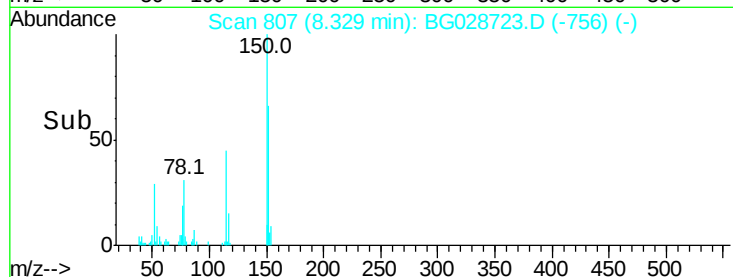
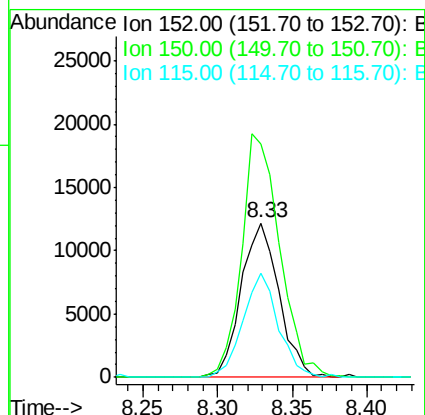
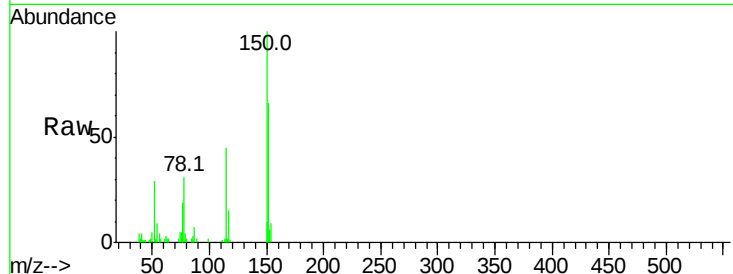


#1

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 :

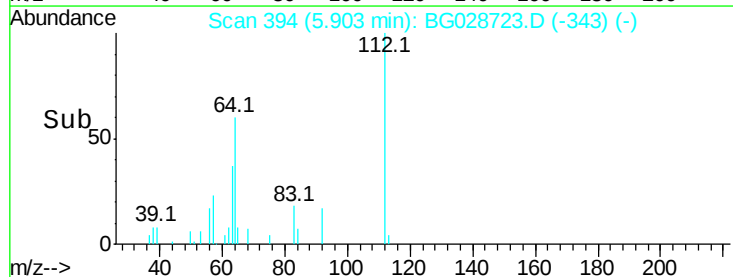
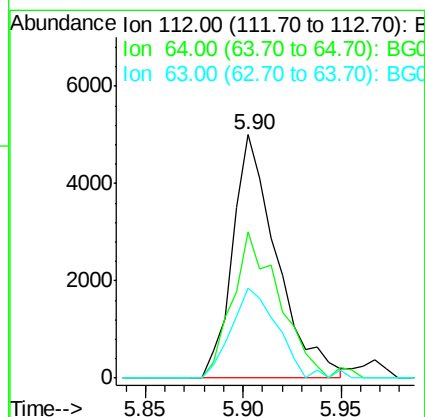
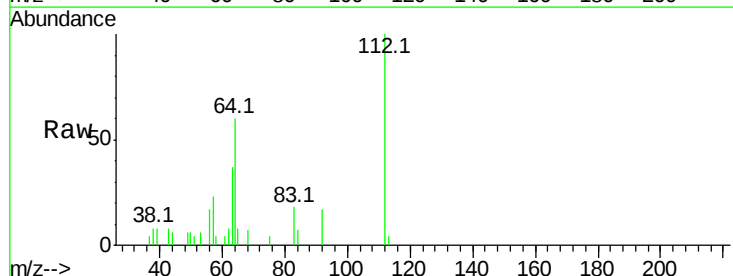
Tot Ion:152 Resp: 21403
Ion Ratio Lower Upper
152 100
150 150.8 114.0 171.0
115 67.4 48.1 72.1

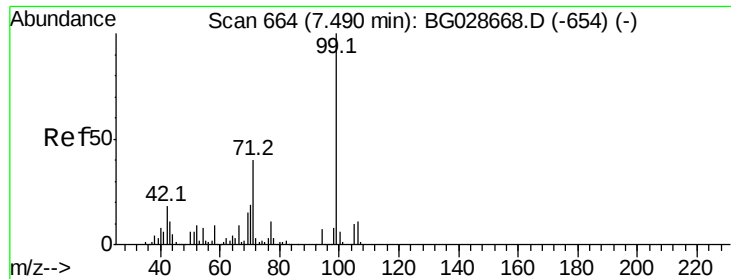


#5

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#





#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 :

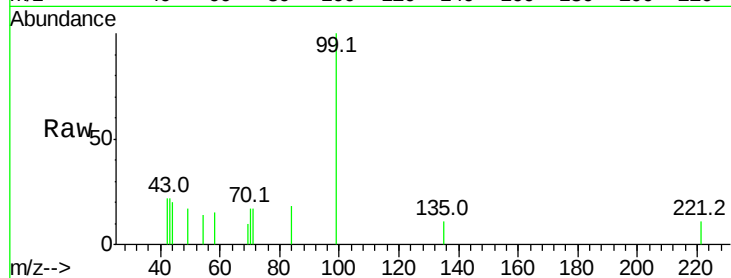
Tot Ion: 99 Resp: 2934

Ion Ratio Lower Upper

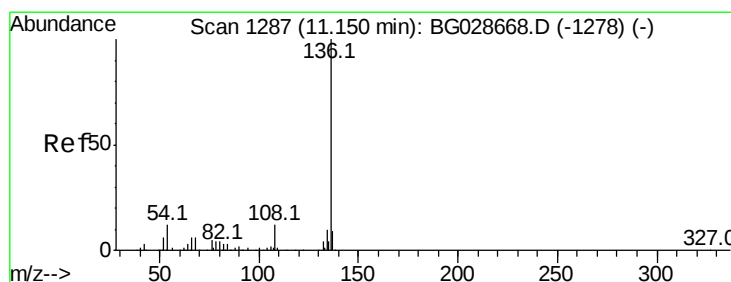
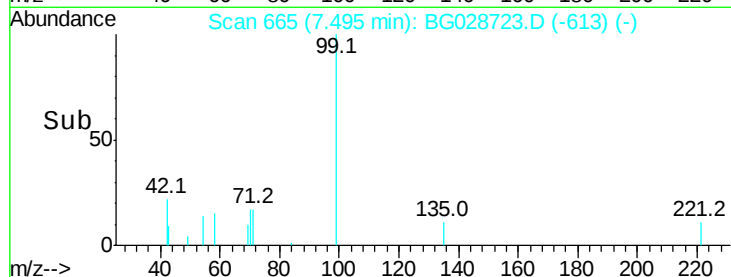
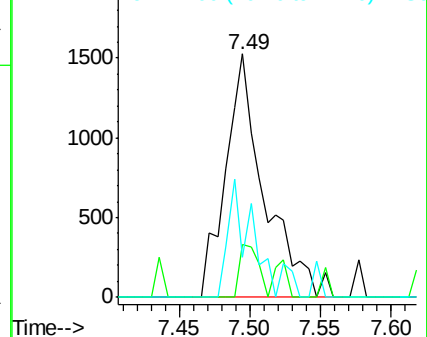
99 100

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

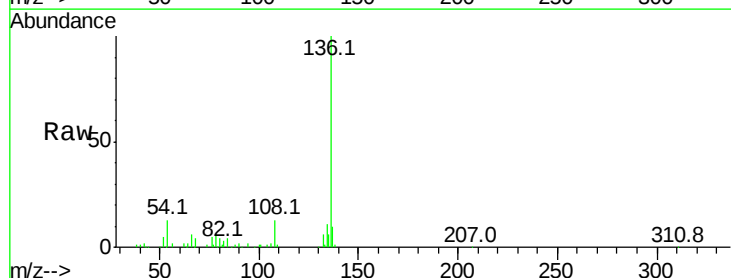
Ion Ratio Lower Upper

136 100

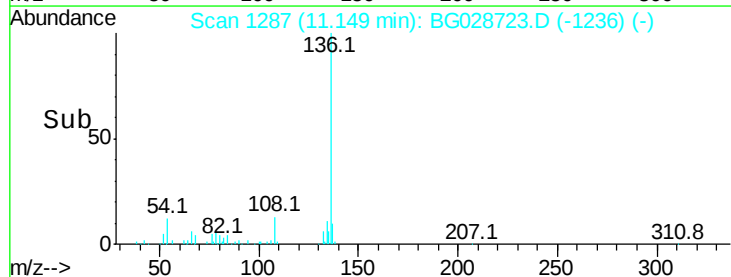
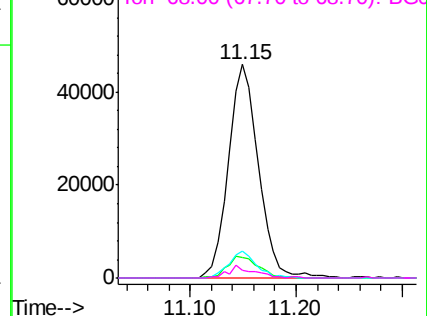
137 9.5 8.9 13.3

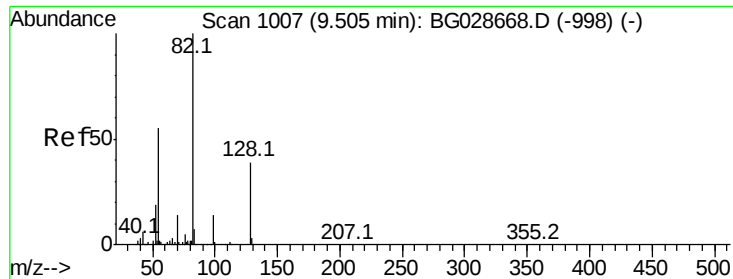
54 12.7 9.3 13.9

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

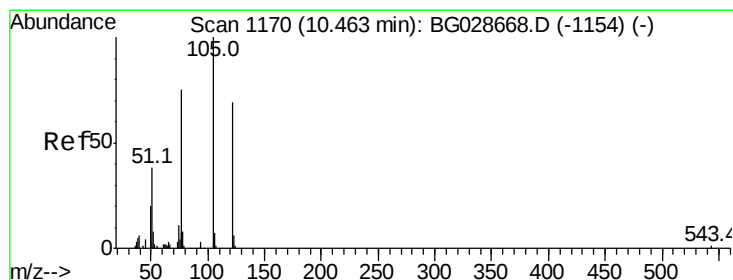
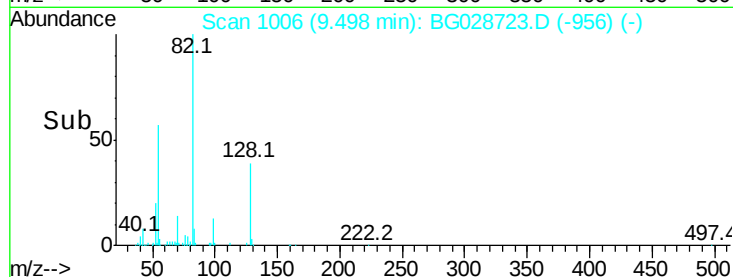
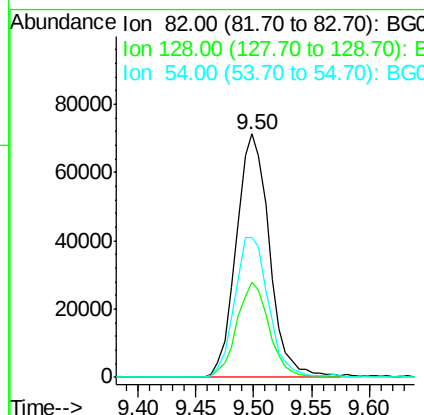
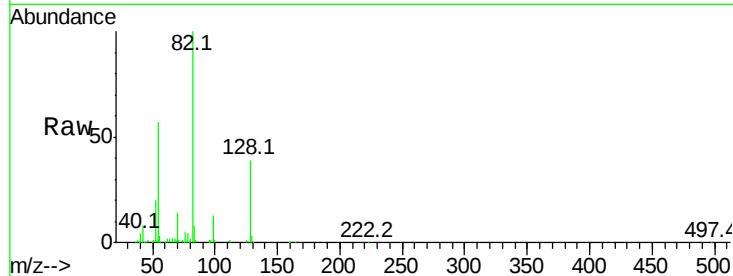




#23
 Nitrobenzene-d5
 Concen: 75.182 ng
 RT: 9.50 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: BG028723.D
 Acq: 14 Sep 2017 8:43

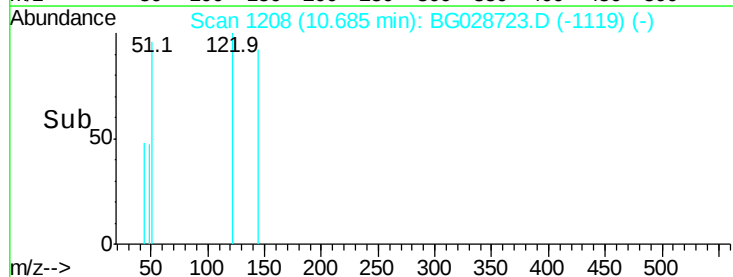
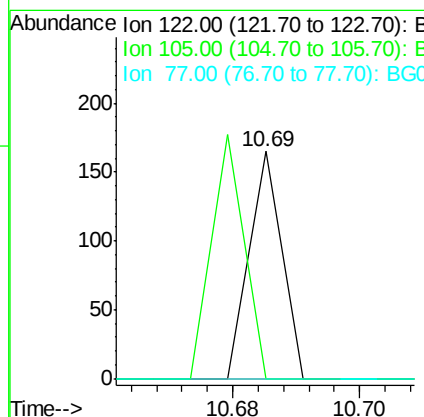
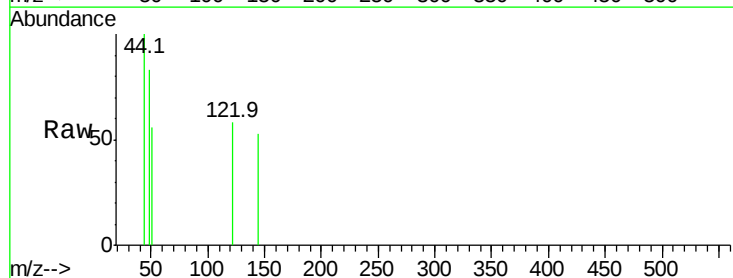
Instrument :
 BNA_G
 ClientSampleId :

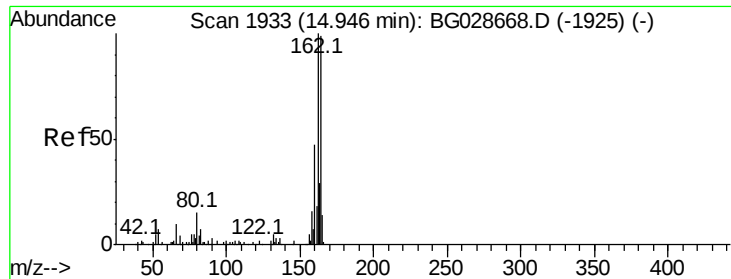
Tot Ion	82	Resp	141808
Ion	Ratio	Lower	Upper
82	100		
128	39.2	26.4	39.6
54	57.5	49.4	74.2



#32
 Benzoic acid
 Concen: 6.130 ng
 RT: 10.69 min Scan# 1208
 Delta R.T. 0.22 min
 Lab File: BG028723.D
 Acq: 14 Sep 2017 8:43

Tgt Ion	122	Resp	58
Ion	Ratio	Lower	Upper
122	100		
105	0.0	120.1	160.1#
77	0.0	104.6	144.6#

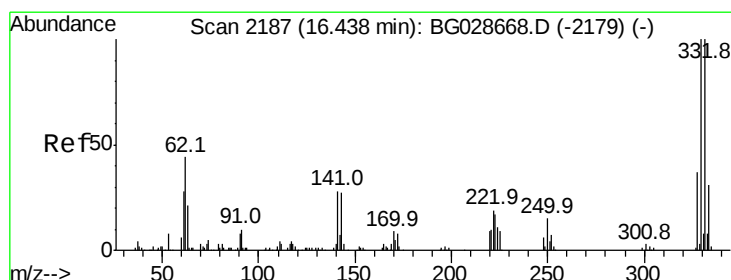
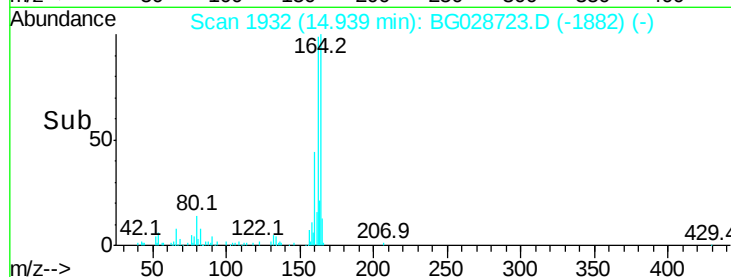
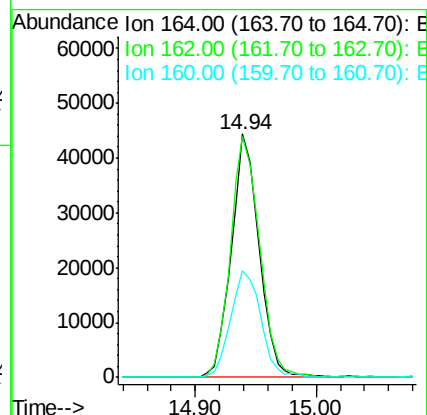
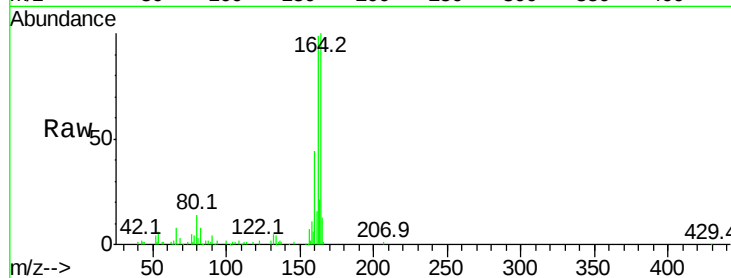




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.94 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BG028723.D
Acq: 14 Sep 2017 8:43

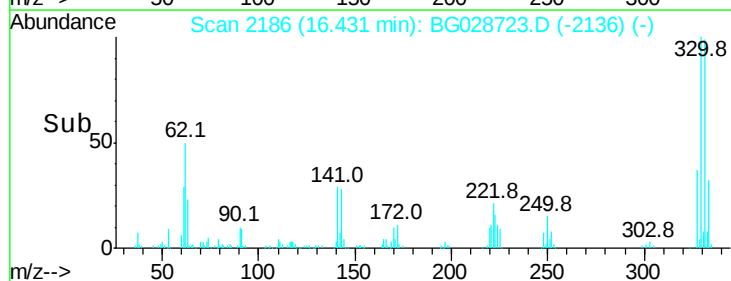
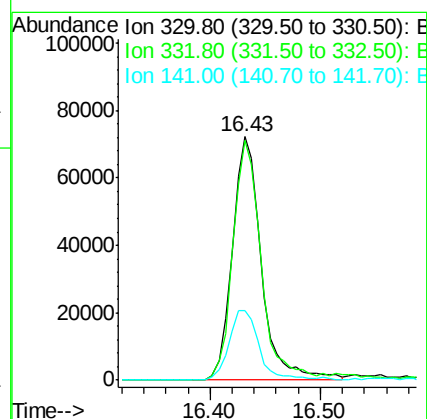
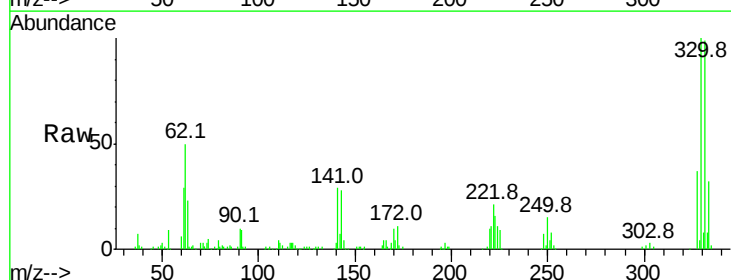
Instrument :
BNA_G
ClientSampled :

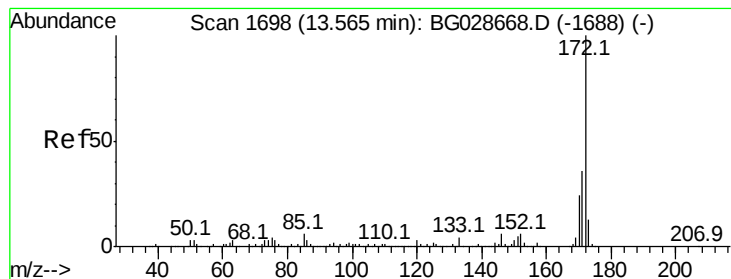
Tot Ion:164 Resp: 71294
Ion Ratio Lower Upper
164 100
162 98.9 85.1 127.7
160 43.9 34.7 52.1



#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

Tgt Ion:330 Resp: 133450
Ion Ratio Lower Upper
330 100
332 95.7 77.3 115.9
141 29.6 32.1 48.1#





#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

Instrument :

BNA_G

ClientSampleId :

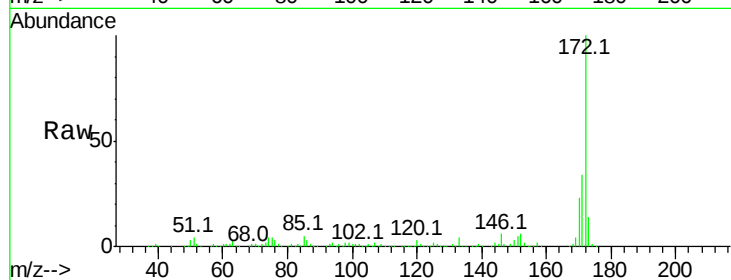
Tot Ion:172 Resp: 401591

Ion Ratio Lower Upper

172 100

171 34.0 32.2 48.2

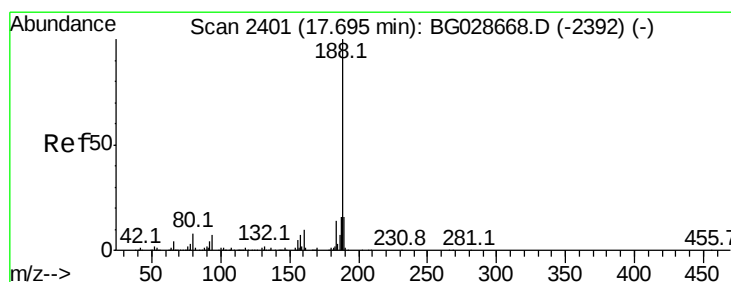
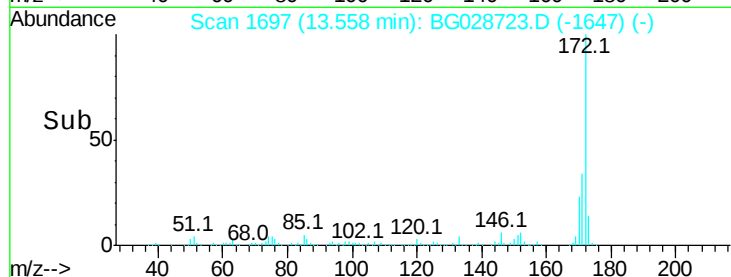
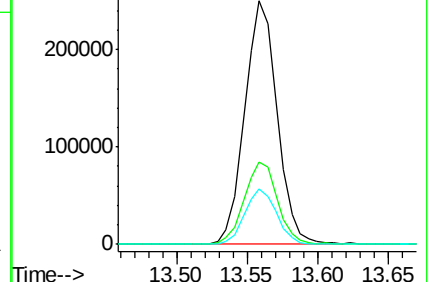
170 22.7 21.8 32.6



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

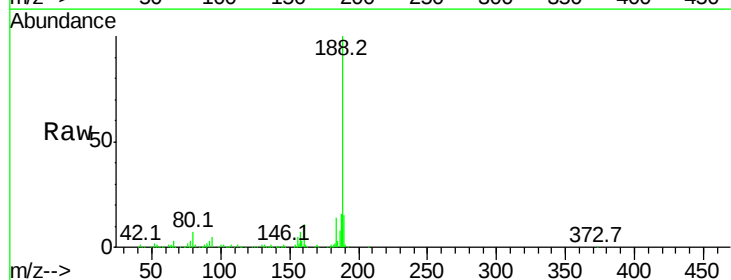
Tgt Ion:188 Resp: 251246

Ion Ratio Lower Upper

188 100

94 5.4 5.8 8.8#

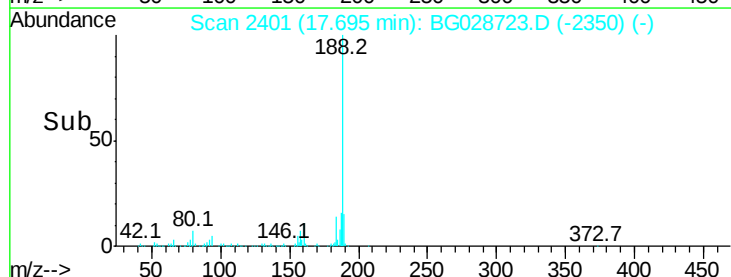
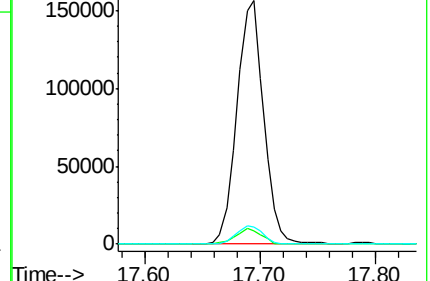
80 7.1 7.5 11.3#



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# 3138

Delta R.T. -0.01 min

Lab File: BG028723.D

Acq: 14 Sep 2017 8:43

Instrument :

BNA_G

ClientSampleId :

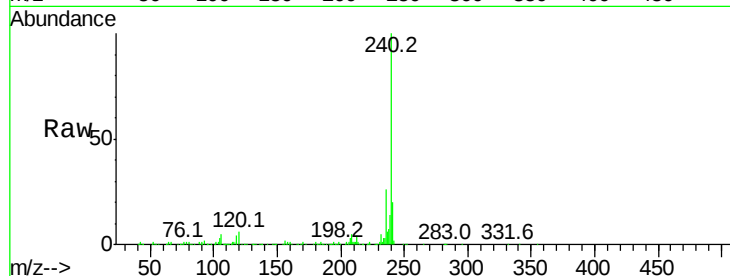
Tot Ion:240 Resp: 289836

Ion Ratio Lower Upper

240 100

120 6.1 5.7 8.5

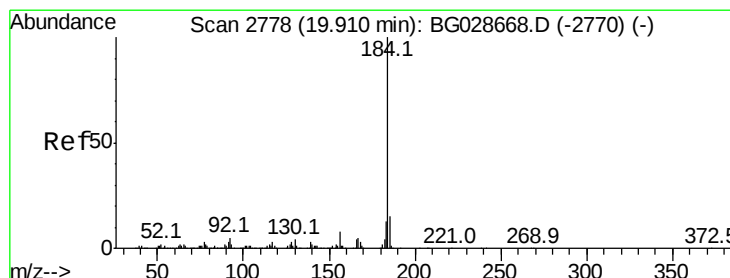
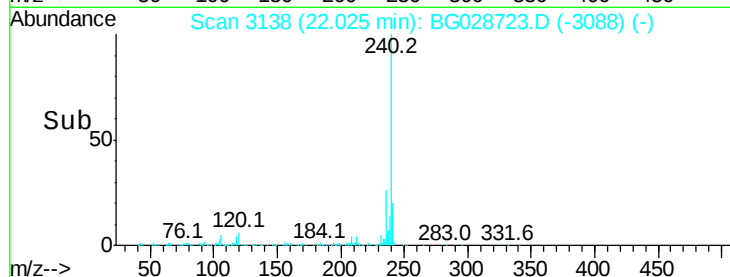
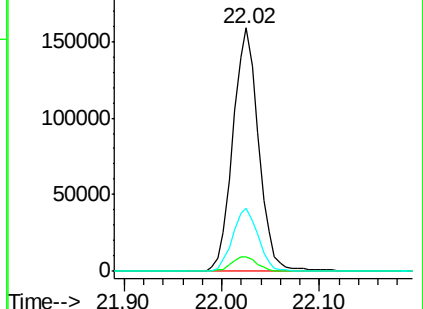
236 26.0 22.2 33.4



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: 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

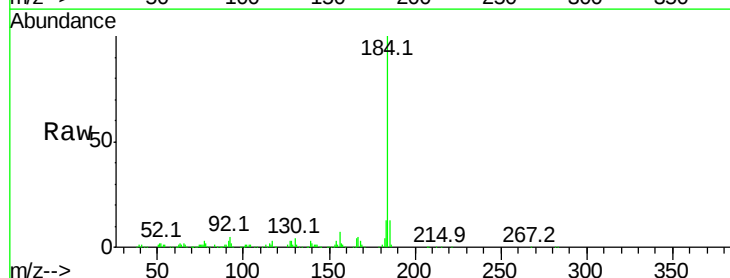
Tgt Ion:184 Resp: 278651

Ion Ratio Lower Upper

184 100

185 12.9 13.0 19.6#

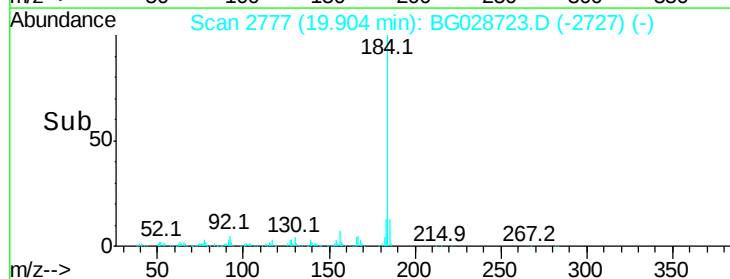
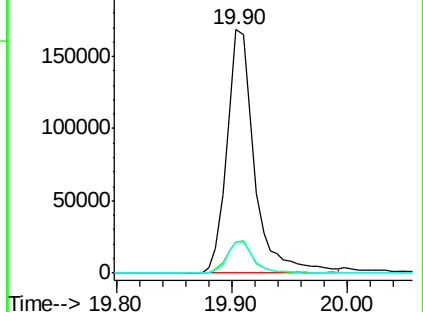
183 12.8 11.0 16.6

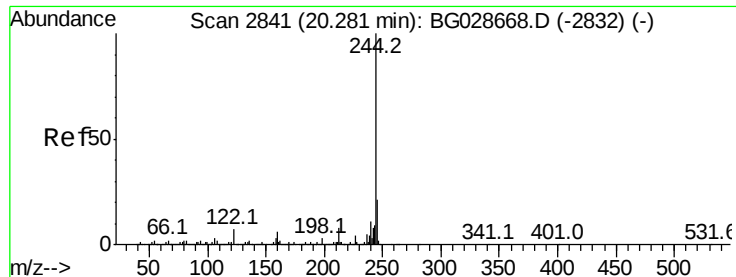


Abundance Ion 184.00 (183.70 to 184.70): E

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

Instrument :

BNA_G

ClientSampleId :

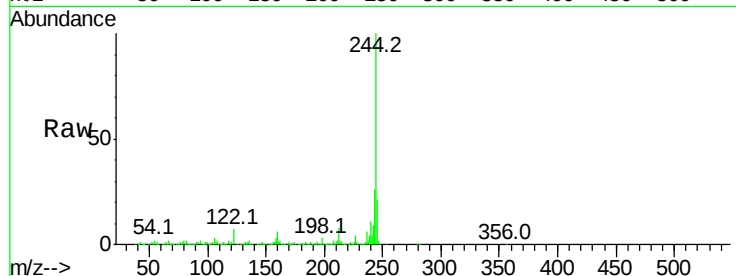
Tot Ion:244 Resp: 1245340

Ion Ratio Lower Upper

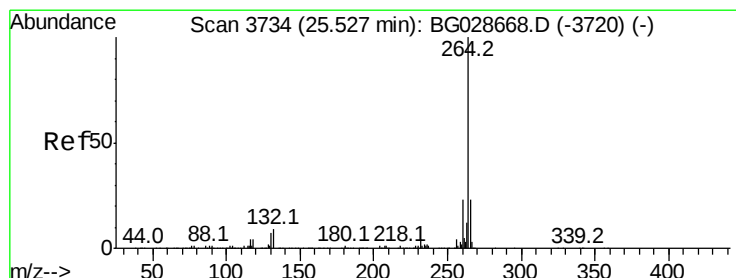
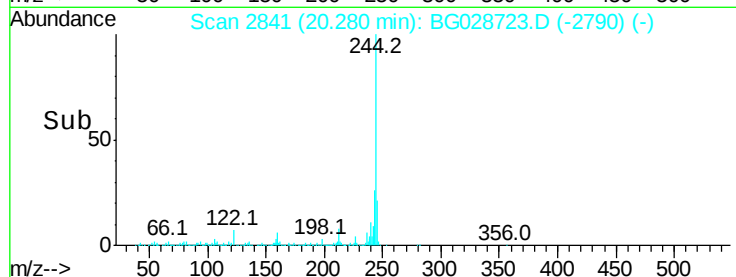
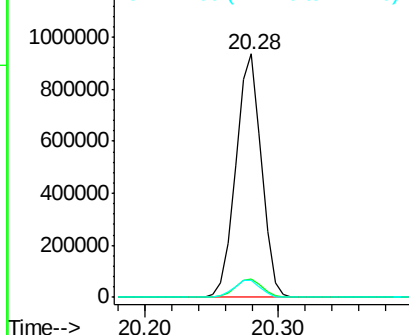
244 100

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

Perylene-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

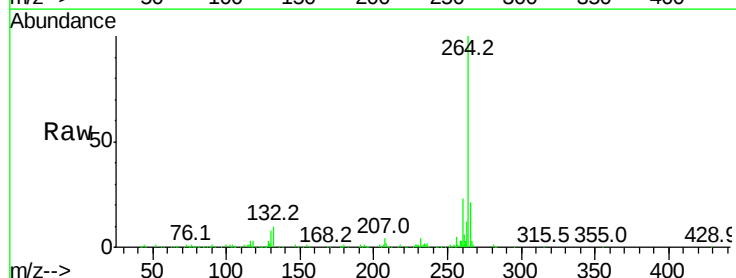
Tgt Ion:264 Resp: 297379

Ion Ratio Lower Upper

264 100

260 22.5 21.8 32.8

265 21.5 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

