

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091317\
 Data File : BG028722.D
 Acq On : 14 Sep 2017 8:03
 Operator : SJ/JU
 Sample : I5222-04
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-1

Quant Time: Sep 14 11:00:37 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

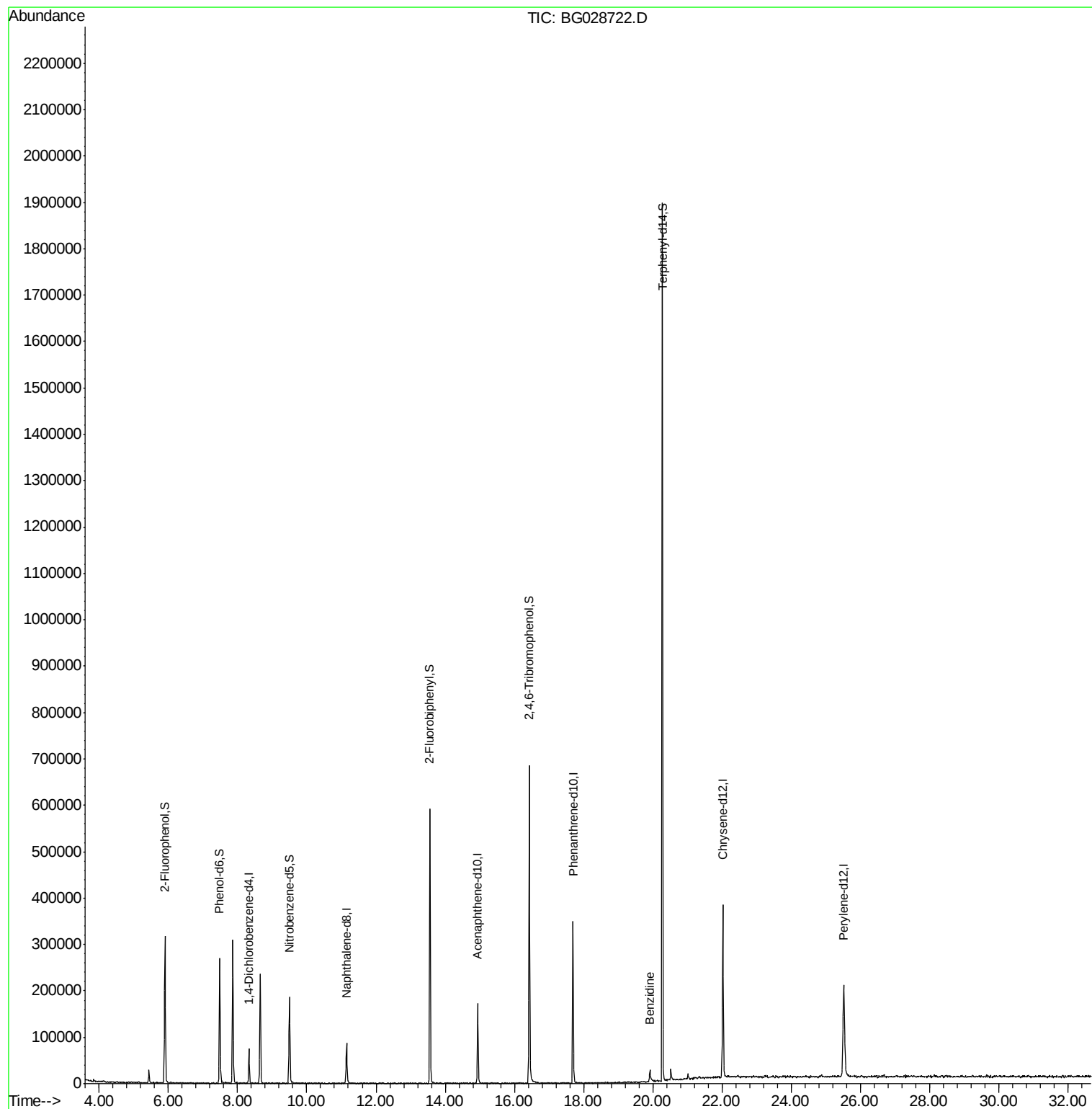
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	20248	20.00	ng	0.00
21) Naphthalene-d8	11.15	136	83173	20.00	ng	0.00
38) Acenaphthene-d10	14.94	164	67549	20.00	ng	0.00
63) Phenanthrene-d10	17.69	188	230428	20.00	ng	0.00
75) Chrysene-d12	22.02	240	268731	20.00	ng	0.00
86) Perylene-d12	25.52	264	275362	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.90	112	136447	111.19	ng	0.00
7) Phenol-d6	7.48	99	168469	91.18	ng	0.00
23) Nitrobenzene-d5	9.50	82	124160	71.41	ng	0.00
41) 2,4,6-Tribromophenol	16.43	330	159371	142.65	ng	0.00
44) 2-Fluorobiphenyl	13.56	172	343423	67.79	ng	0.00
78) Terphenyl-d14	20.27	244	928843	73.71	ng	0.00
Target Compounds						
76) Benzidine	19.91	184	29154	4.183	ng	Qvalue # 92

(#) = 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: BG028722.D

Acq: 14 Sep 2017 8:03

Instrument :

BNA_G

ClientSampled :

SP-1

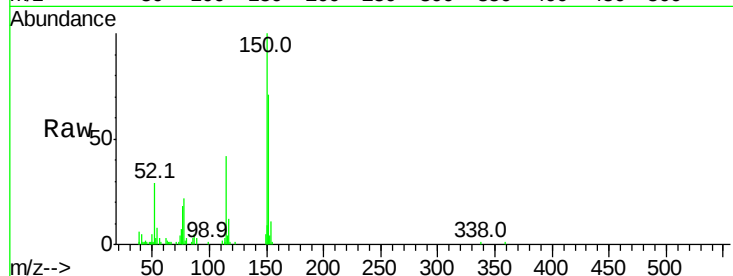
Tot Ion:152 Resp: 20248

Ion Ratio Lower Upper

152 100

150 140.7 114.0 171.0

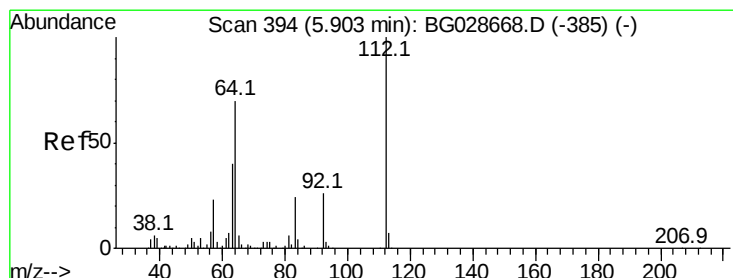
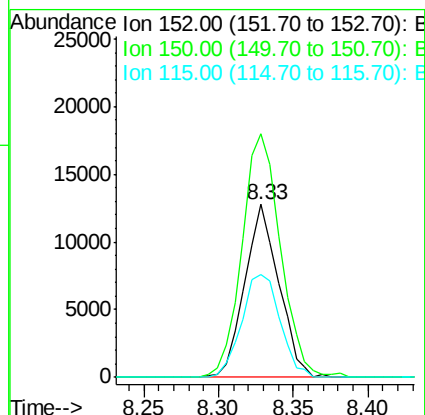
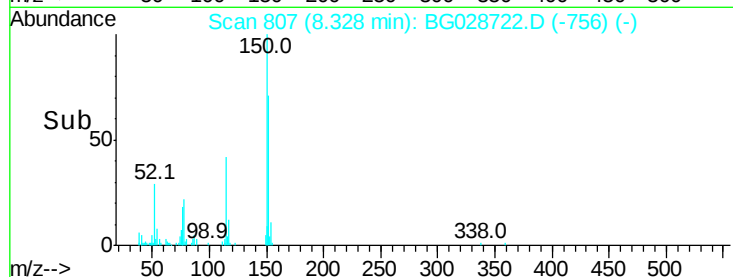
115 59.4 48.1 72.1



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: 111.193 ng

RT: 5.90 min Scan# 394

Delta R.T. -0.00 min

Lab File: BG028722.D

Acq: 14 Sep 2017 8:03

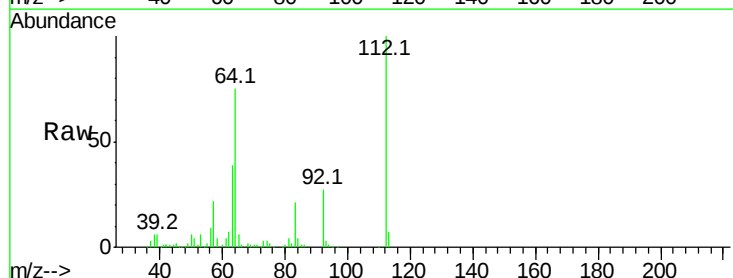
Tgt Ion:112 Resp: 136447

Ion Ratio Lower Upper

112 100

64 74.9 61.8 92.6

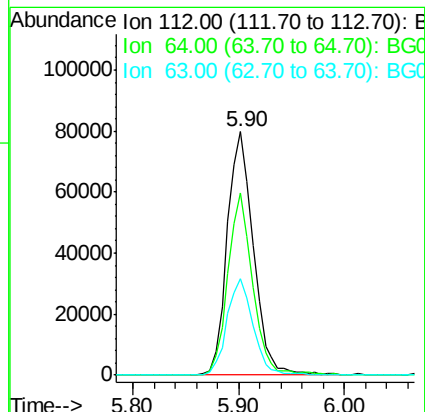
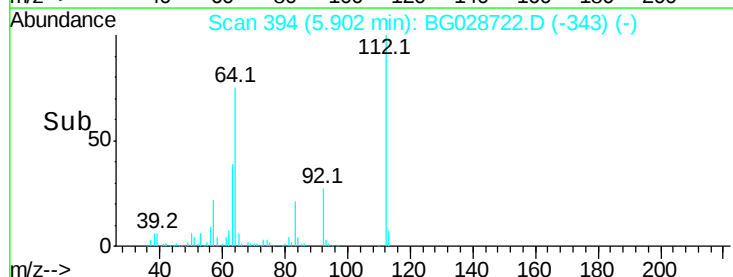
63 39.4 37.2 55.8

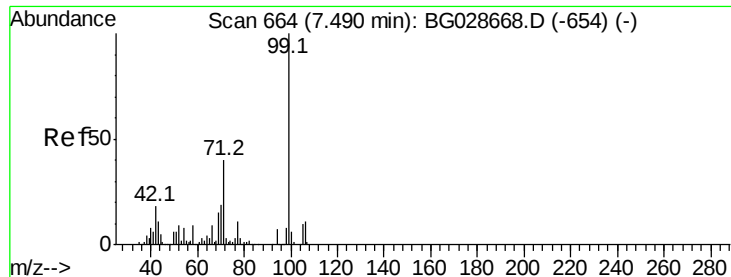


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 91.184 ng

RT: 7.48 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG028722.D

Acq: 14 Sep 2017 8:03

Instrument :

BNA_G

ClientSampleId :

SP-1

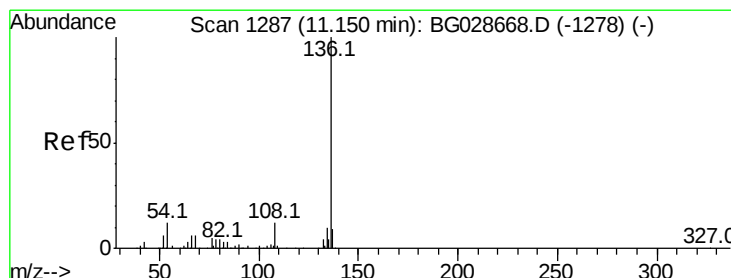
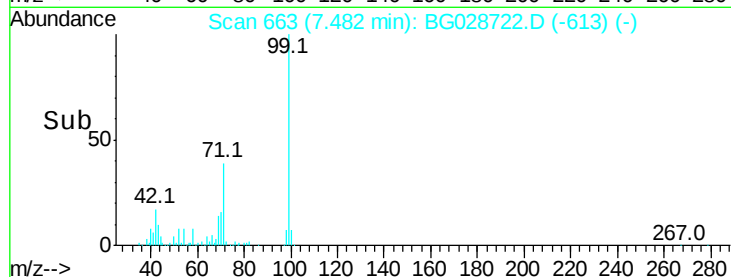
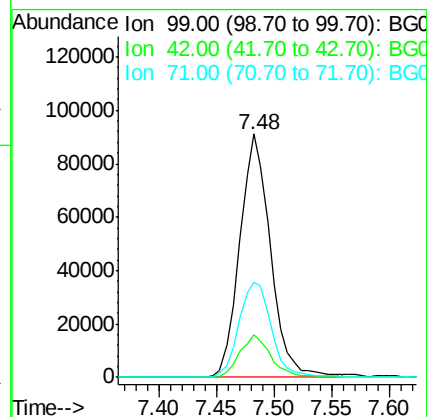
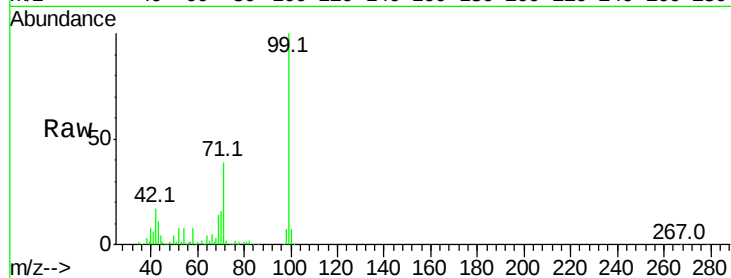
Tot Ion: 99 Resp: 168469

Ion Ratio Lower Upper

99 100

42 17.4 20.5 30.7#

71 38.9 37.6 56.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.15 min Scan# 1287

Delta R.T. -0.00 min

Lab File: BG028722.D

Acq: 14 Sep 2017 8:03

Tgt Ion: 136 Resp: 83173

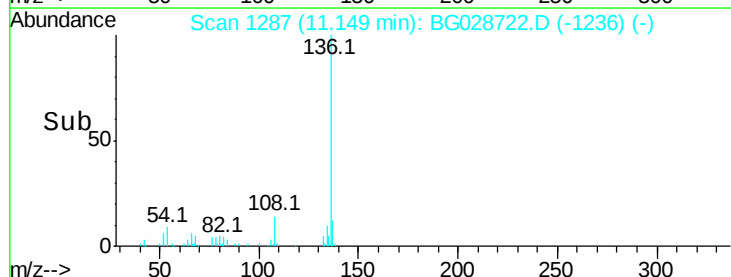
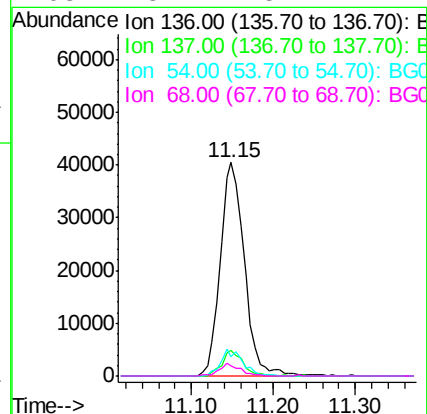
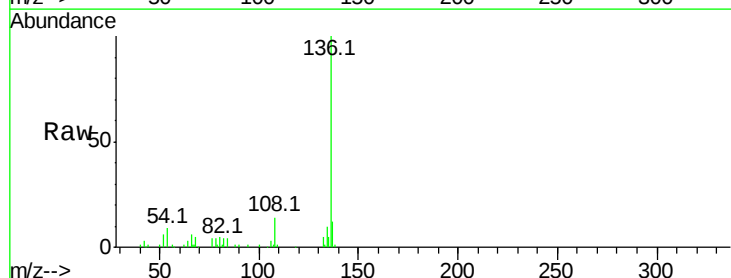
Ion Ratio Lower Upper

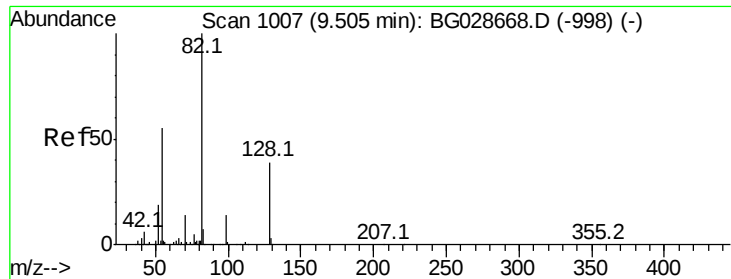
136 100

137 11.8 8.9 13.3

54 8.8 9.3 13.9#

68 5.1 5.1 7.7#

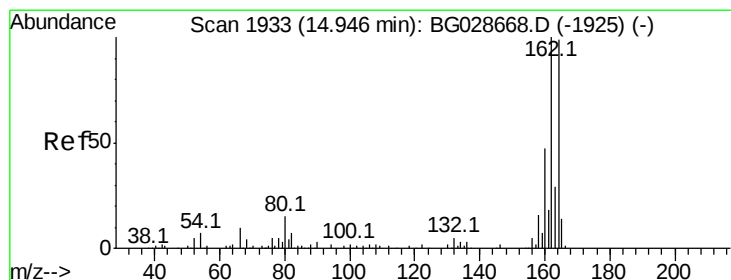
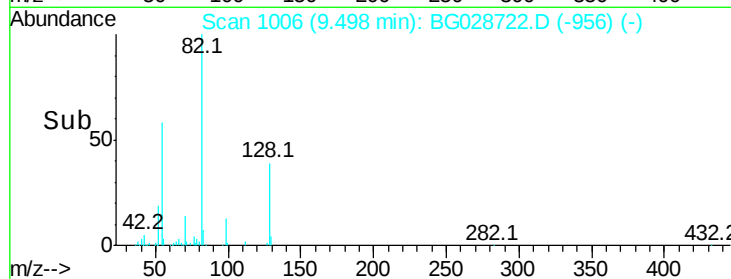
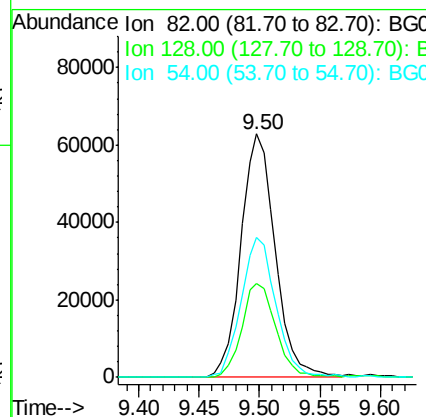
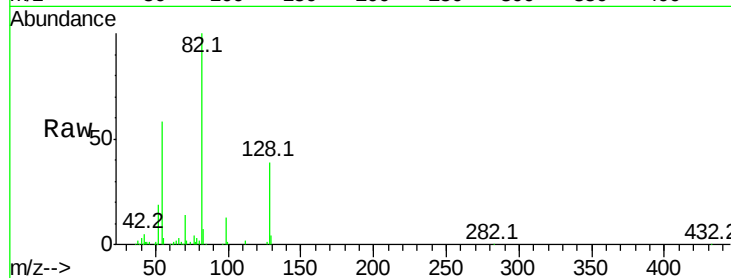




#23
 Nitrobenzene-d5
 Concen: 71.411 ng
 RT: 9.50 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: BG028722.D
 Acq: 14 Sep 2017 8:03

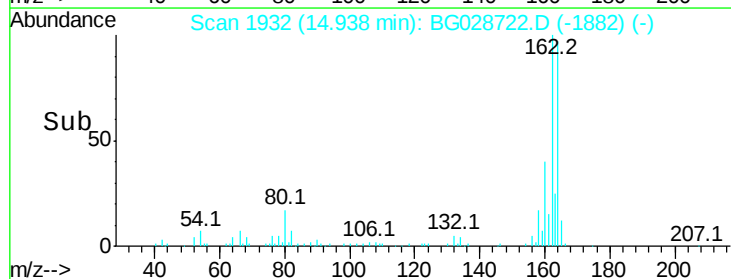
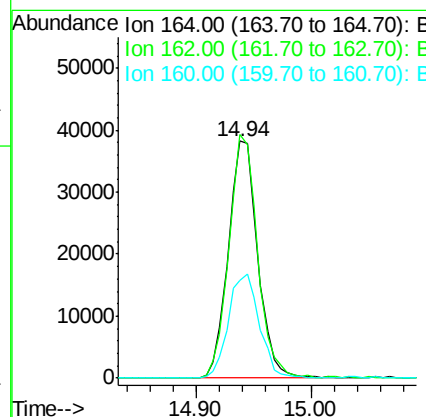
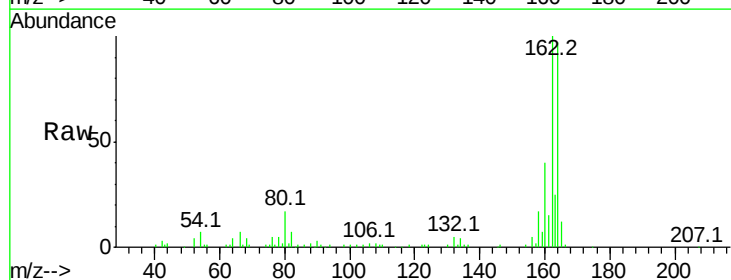
Instrument :
 BNA_G
 ClientSampleId :
 SP-1

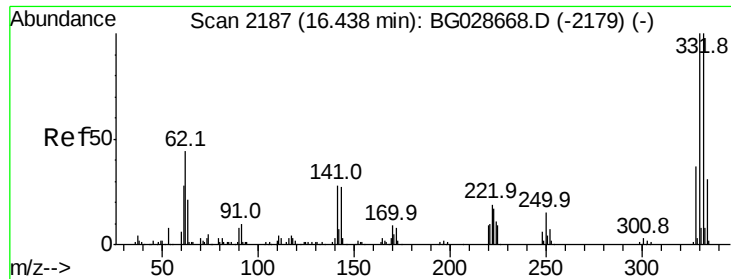
Tot Ion: 82 Resp: 124160
 Ion Ratio Lower Upper
 82 100
 128 38.7 26.4 39.6
 54 57.5 49.4 74.2



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.94 min Scan# 1932
 Delta R.T. -0.01 min
 Lab File: BG028722.D
 Acq: 14 Sep 2017 8:03

Tgt Ion: 164 Resp: 67549
 Ion Ratio Lower Upper
 164 100
 162 102.8 85.1 127.7
 160 41.3 34.7 52.1

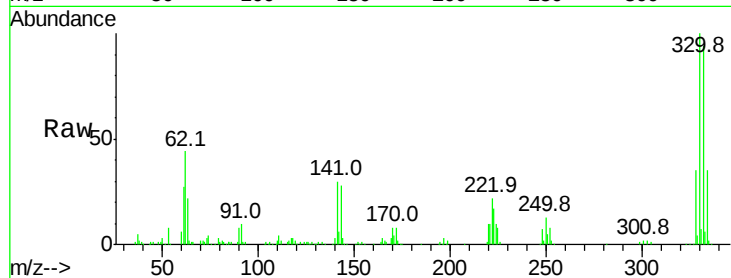




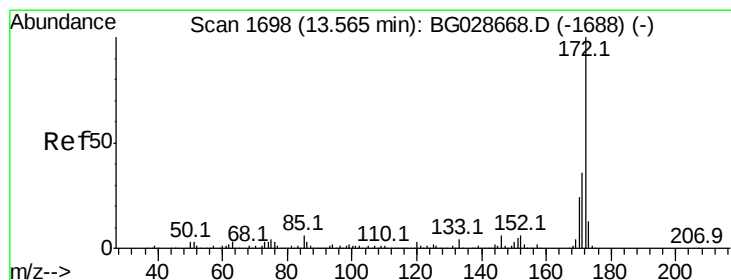
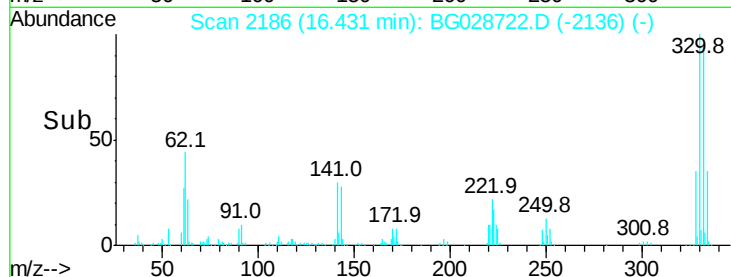
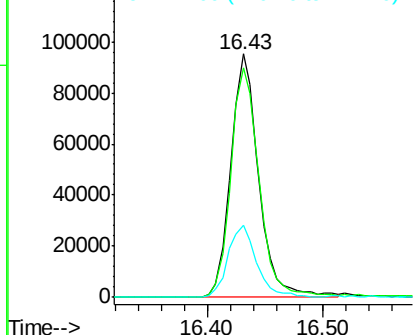
#41
 2,4,6-Tribromophenol
 Concen: 142.650 ng
 RT: 16.43 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: BG028722.D
 Acq: 14 Sep 2017 8:03

Instrument :
 BNA_G
 ClientSampleId :
 SP-1

Tot Ion:330 Resp: 159371
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.3 115.9
 141 30.4 32.1 48.1#

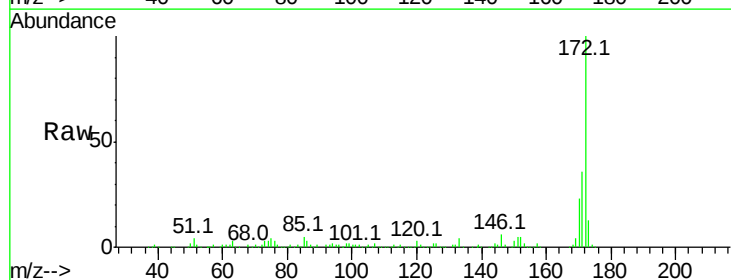


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

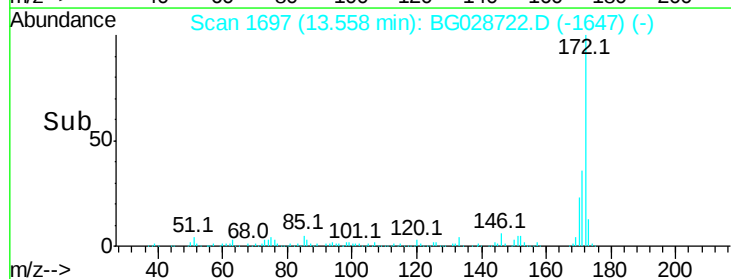
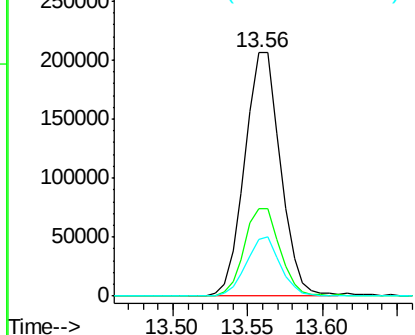


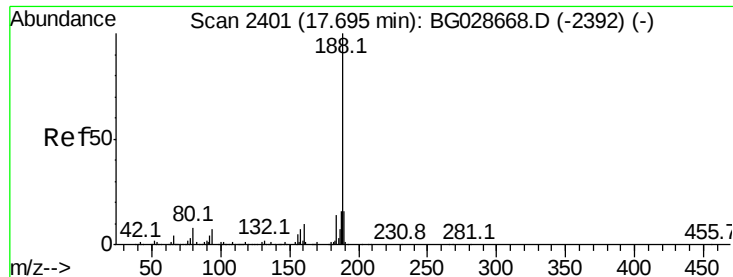
#44
 2-Fluorobiphenyl
 Concen: 67.792 ng
 RT: 13.56 min Scan# 1697
 Delta R.T. -0.01 min
 Lab File: BG028722.D
 Acq: 14 Sep 2017 8:03

Tgt Ion:172 Resp: 343423
 Ion Ratio Lower Upper
 172 100
 171 35.8 32.2 48.2
 170 23.3 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: BG028722.D

Acq: 14 Sep 2017 8:03

Instrument :

BNA_G

ClientSampleId :

SP-1

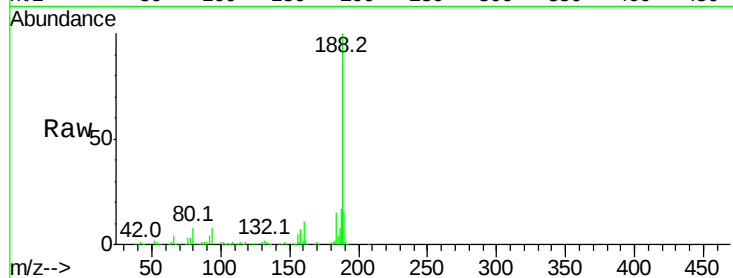
Tot Ion:188 Resp: 230428

Ion Ratio Lower Upper

188 100

94 7.7 5.8 8.8

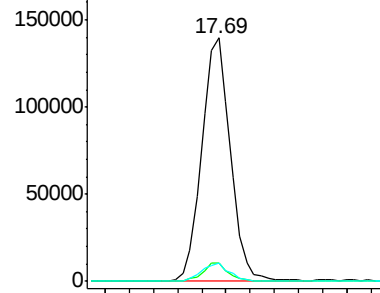
80 7.6 7.5 11.3



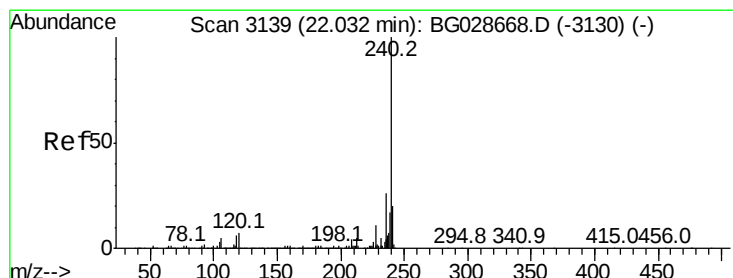
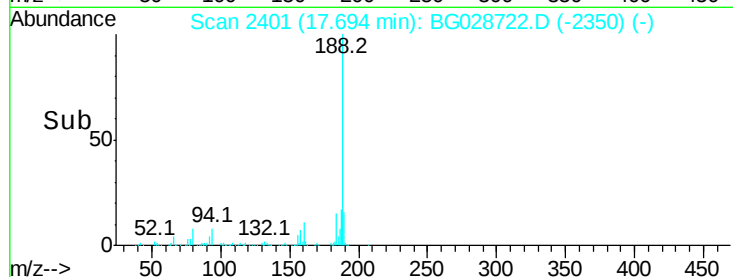
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.02 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG028722.D

Acq: 14 Sep 2017 8:03

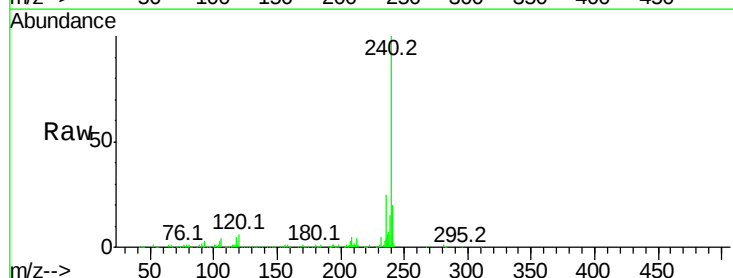
Tgt Ion:240 Resp: 268731

Ion Ratio Lower Upper

240 100

120 5.7 5.7 8.5

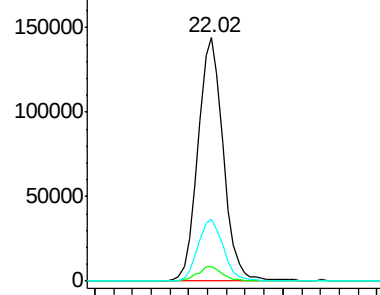
236 25.4 22.2 33.4



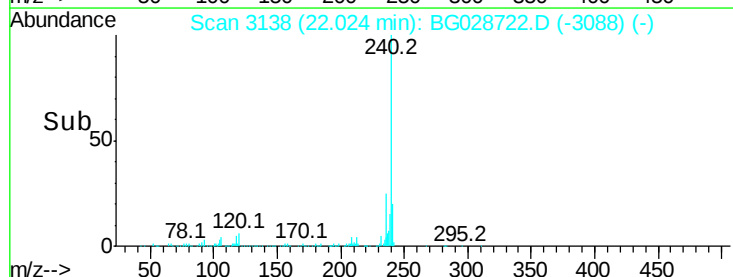
Abundance Ion 240.00 (239.70 to 240.70): E

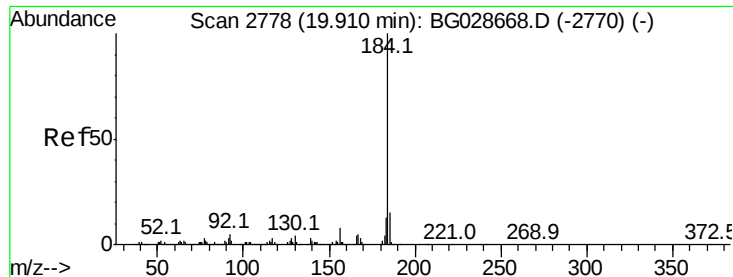
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#76

Benzidine

Concen: 4.183 ng

RT: 19.91 min Scan# 2779

Delta R.T. 0.00 min

Lab File: BG028722.D

Acq: 14 Sep 2017 8:03

Instrument :

BNA_G

ClientSampleId :

SP-1

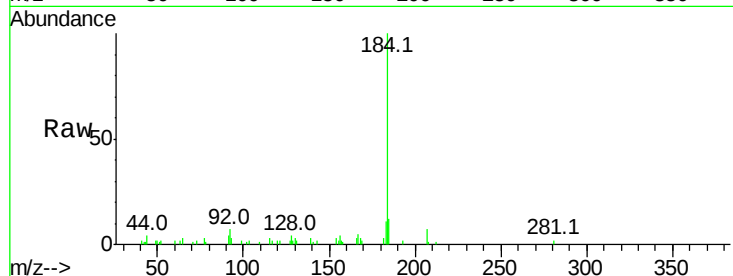
Tot Ion:184 Resp: 29154

Ion Ratio Lower Upper

184 100

185 12.0 13.0 19.6#

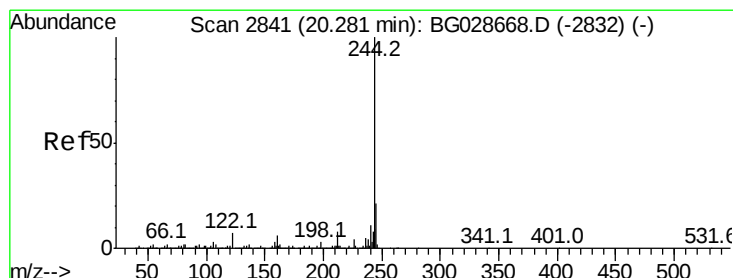
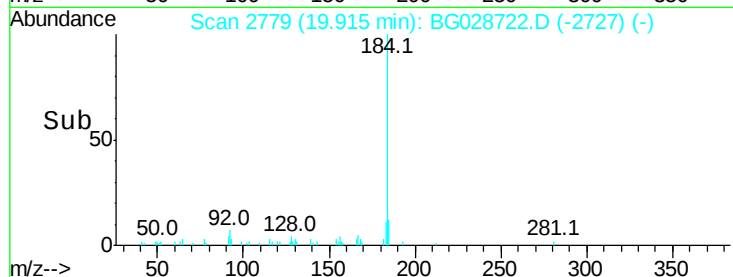
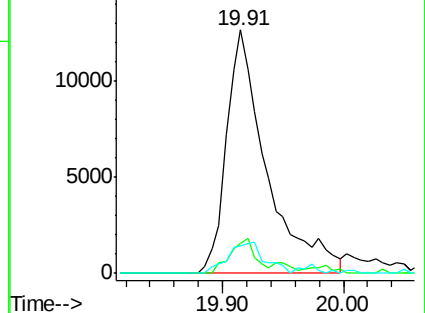
183 11.2 11.0 16.6



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: 73.710 ng

RT: 20.27 min Scan# 2840

Delta R.T. -0.01 min

Lab File: BG028722.D

Acq: 14 Sep 2017 8:03

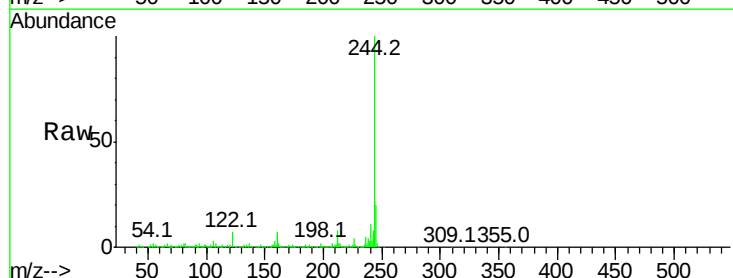
Tgt Ion:244 Resp: 928843

Ion Ratio Lower Upper

244 100

212 8.0 10.0 15.0#

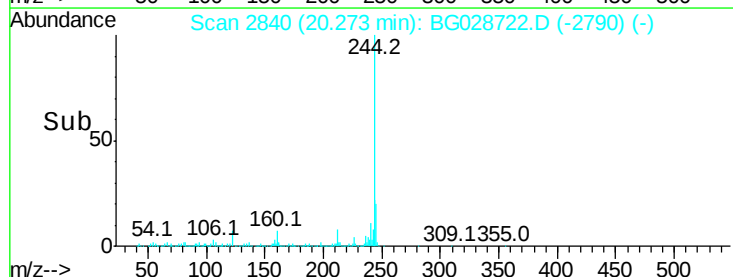
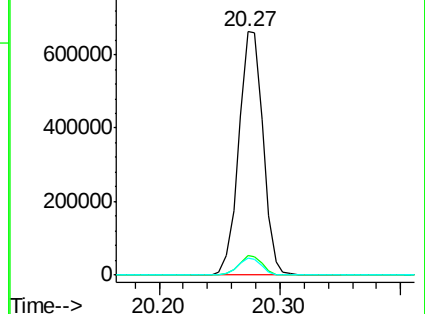
122 7.1 8.6 12.8#

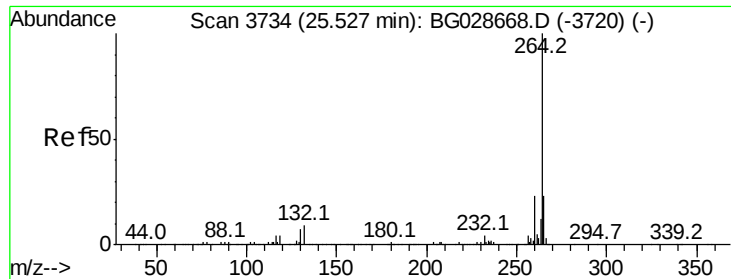


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

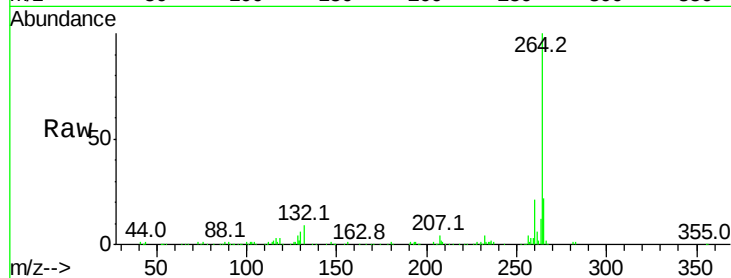




#86
Pervlene-d12
Concen: 20.000 ng
RT: 25.52 min Scan# 3733
Delta R.T. -0.01 min
Lab File: BG028722.D
Acq: 14 Sep 2017 8:03

Instrument :
BNA_G
ClientSampleId :
SP-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	20.8	21.8	32.8#
265	21.6	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

