

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092917\
 Data File : BG028972.D
 Acq On : 29 Sep 2017 17:00
 Operator : SJ/JU
 Sample : I5450-14
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 29 17:44:29 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

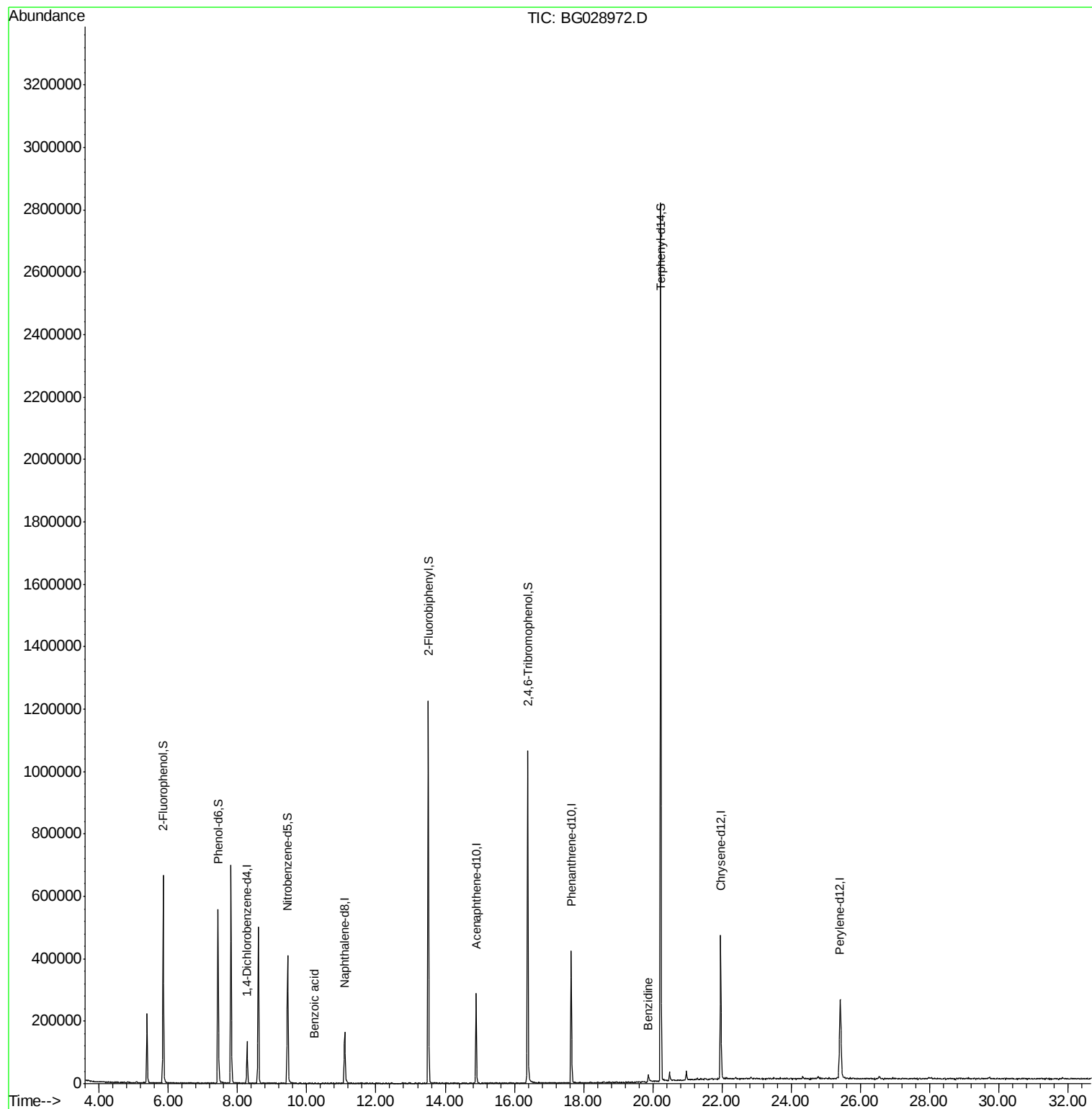
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	37972	20.00	ng	-0.05
21) Naphthalene-d8	11.10	136	146899	20.00	ng	-0.05
38) Acenaphthene-d10	14.89	164	104954	20.00	ng	-0.05
63) Phenanthrene-d10	17.65	188	285474	20.00	ng	-0.05
75) Chrysene-d12	21.96	240	337569	20.00	ng	-0.07
86) Perylene-d12	25.42	264	337987	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.85	112	283064	123.00	ng	-0.05
7) Phenol-d6	7.44	99	350292	101.10	ng	-0.05
23) Nitrobenzene-d5	9.45	82	273206	88.97	ng	-0.06
41) 2,4,6-Tribromophenol	16.39	330	234916	135.33	ng	-0.05
44) 2-Fluorobiphenyl	13.51	172	676291	85.92	ng	-0.05
78) Terphenyl-d14	20.23	244	1372354	86.70	ng	-0.05
Target Compounds						
32) Benzoic acid	10.21	122	57	6.112	ng	Qvalue # 1
76) Benzidine	19.87	184	21179	2.419	ng	95

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

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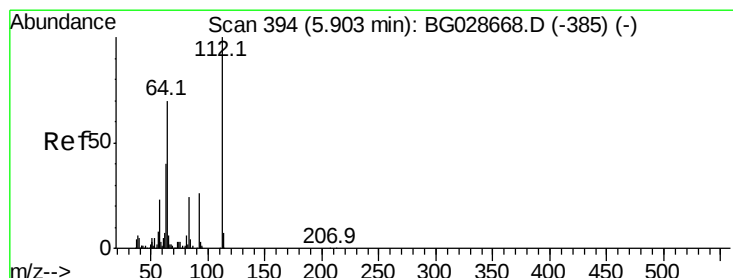
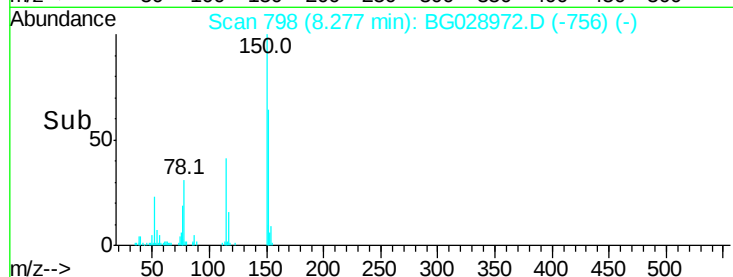
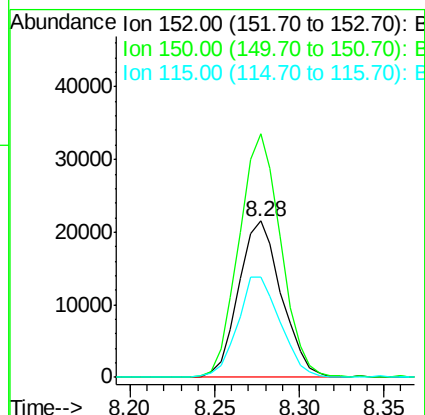
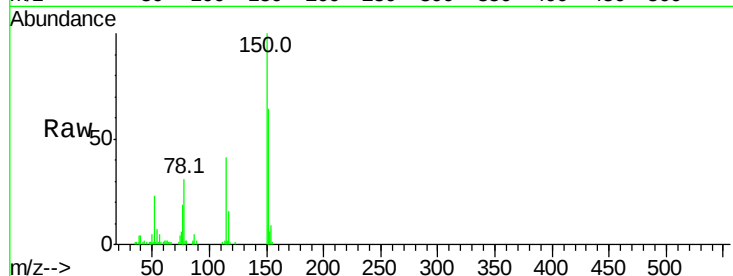


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.28 min Scan# 798
Delta R.T. -0.05 min
Lab File: BG028972.D
Acq: 29 Sep 2017 17:00

Instrument :
BNA_G
ClientSampleId :

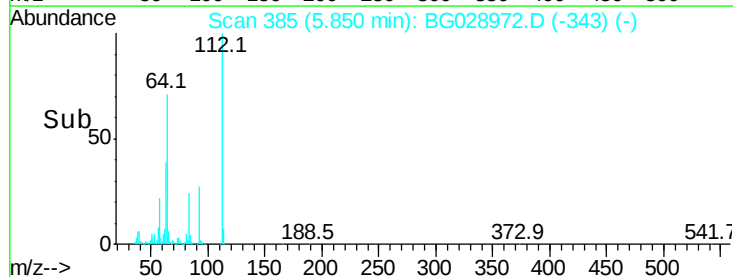
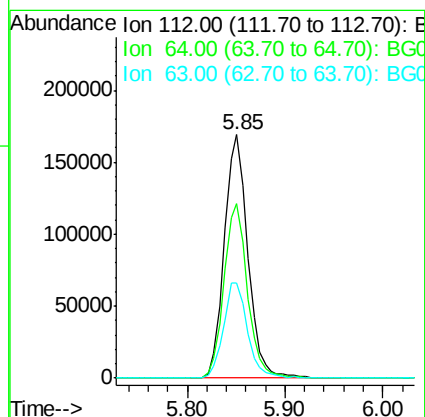
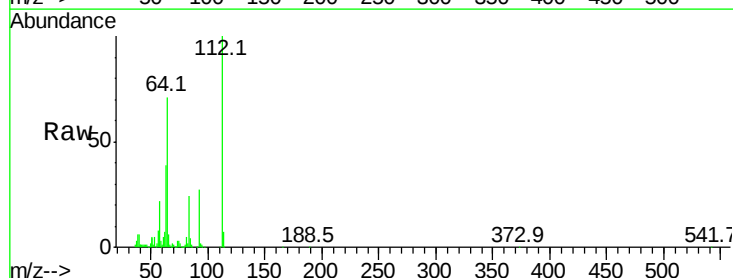
Tot Ion:152 Resp: 37972
Ion Ratio Lower Upper
152 100
150 156.0 114.0 171.0
115 64.4 48.1 72.1

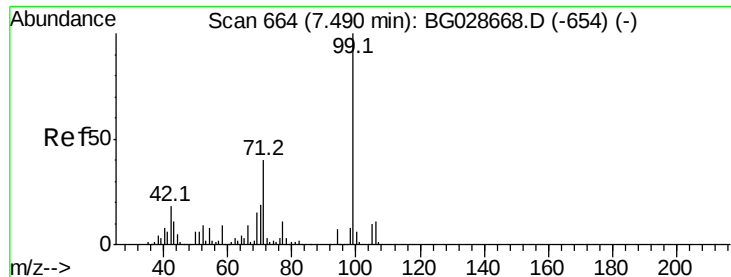


#5

2-Fluorophenol
Concen: 123.004 ng
RT: 5.85 min Scan# 385
Delta R.T. -0.05 min
Lab File: BG028972.D
Acq: 29 Sep 2017 17:00

Tgt Ion:112 Resp: 283064
Ion Ratio Lower Upper
112 100
64 71.5 61.8 92.6
63 39.3 37.2 55.8





#7

Phenol-d6

Concen: 101.099 ng

RT: 7.44 min Scan# 655

Delta R.T. -0.05 min

Lab File: BG028972.D

Acq: 29 Sep 2017 17:00

Instrument :

BNA_G

ClientSampleId :

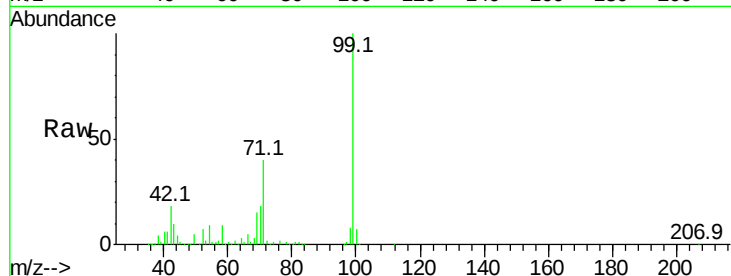
Tot Ion: 99 Resp: 350292

Ion Ratio Lower Upper

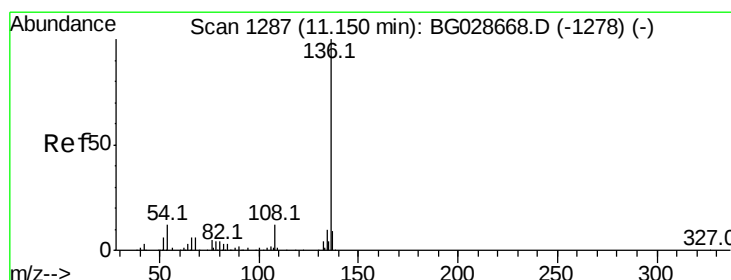
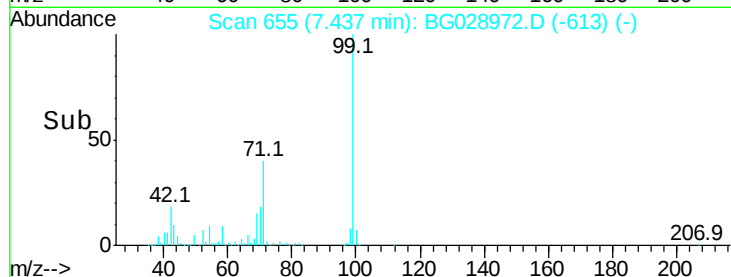
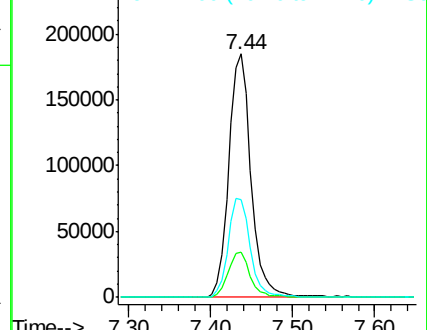
99 100

42 18.5 20.5 30.7#

71 40.3 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# 1278

Delta R.T. -0.05 min

Lab File: BG028972.D

Acq: 29 Sep 2017 17:00

Tgt Ion: 136 Resp: 146899

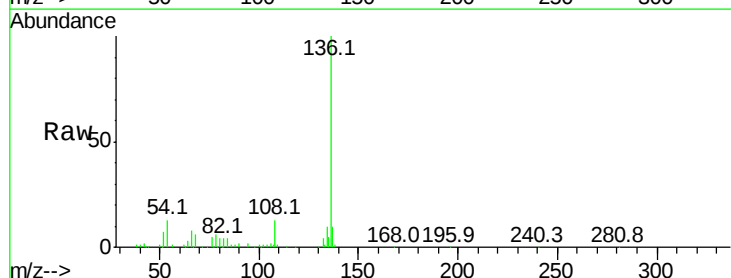
Ion Ratio Lower Upper

136 100

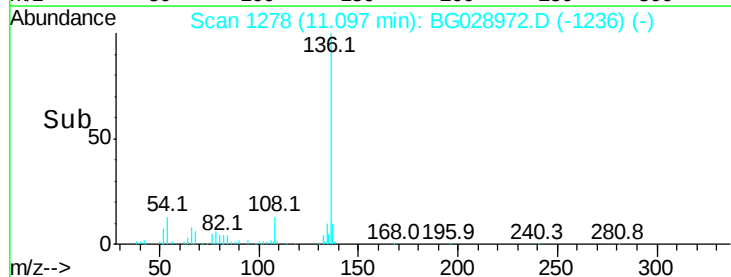
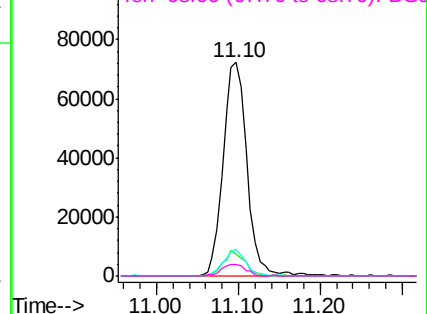
137 9.9 8.9 13.3

54 12.8 9.3 13.9

68 5.6 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

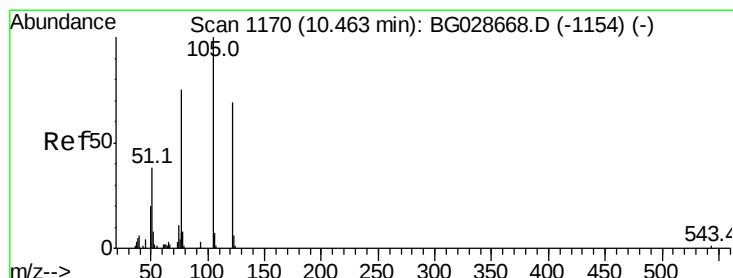
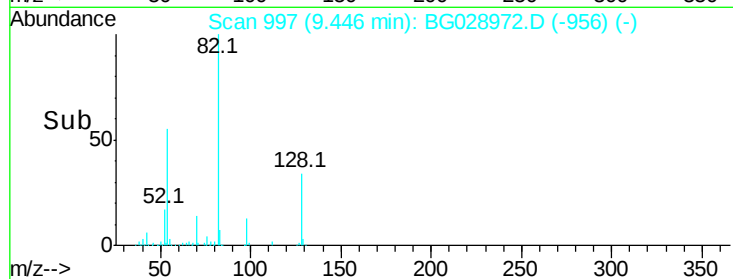
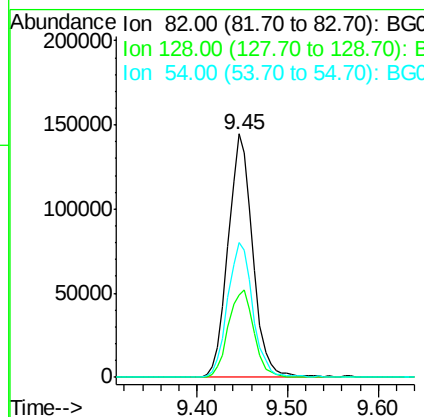
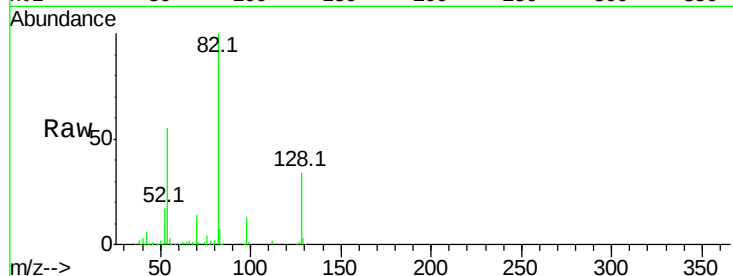




#23
Nitrobenzene-d5
Concen: 88.969 ng
RT: 9.45 min Scan# 997
Delta R.T. -0.06 min
Lab File: BG028972.D
Acq: 29 Sep 2017 17:00

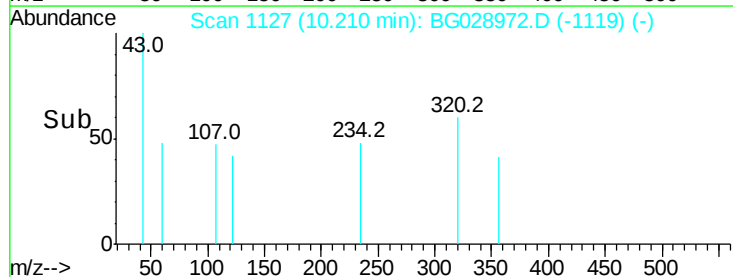
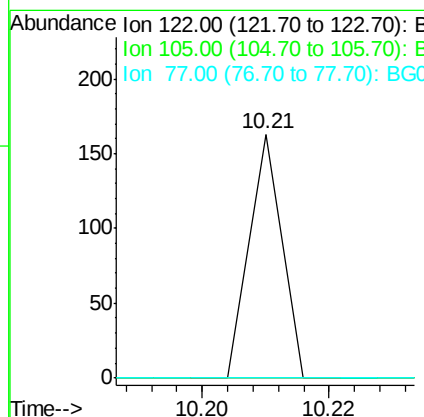
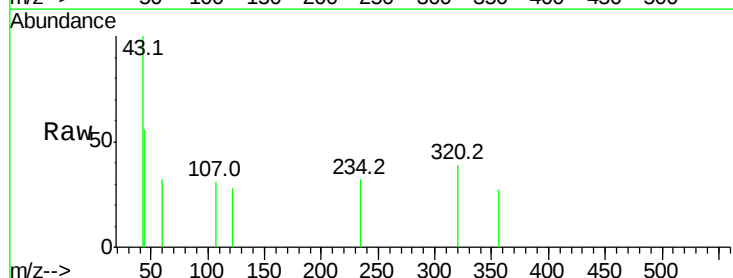
Instrument :
BNA_G
ClientSampleId :

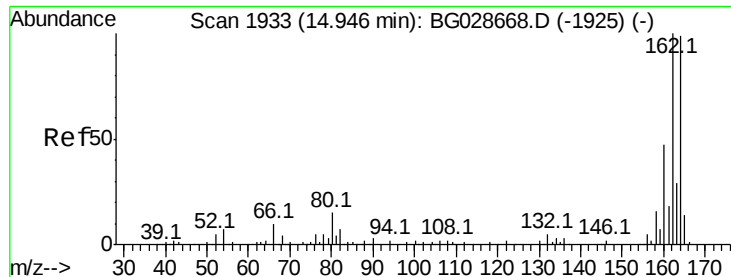
Tot Ion	82	Resp	273206
Ion Ratio	Lower	Upper	
82	100		
128	34.0	26.4	39.6
54	55.1	49.4	74.2



#32
Benzoic acid
Concen: 6.112 ng
RT: 10.21 min Scan# 1127
Delta R.T. -0.25 min
Lab File: BG028972.D
Acq: 29 Sep 2017 17:00

Tgt Ion	122	Resp	57
Ion Ratio	Lower	Upper	
122	100		
105	0.0	120.1	160.1#
77	0.0	104.6	144.6#

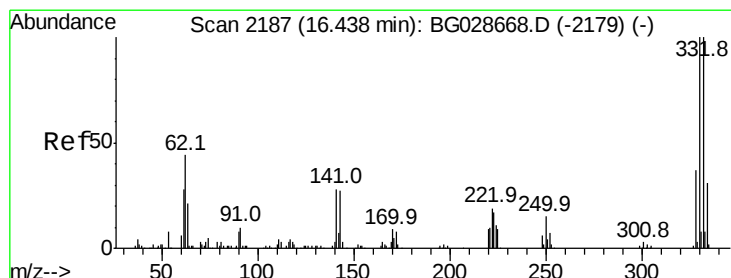
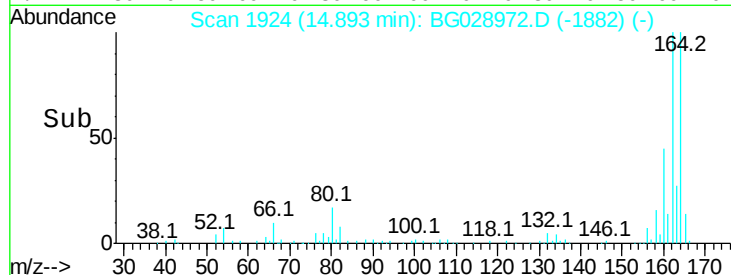
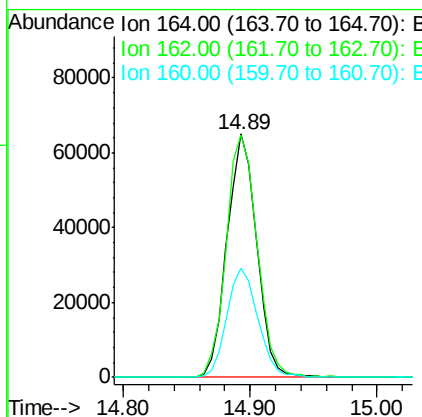
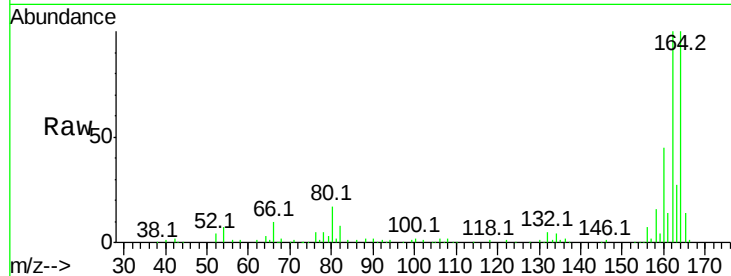




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.89 min Scan# 1924
 Delta R.T. -0.05 min
 Lab File: BG028972.D
 Acq: 29 Sep 2017 17:00

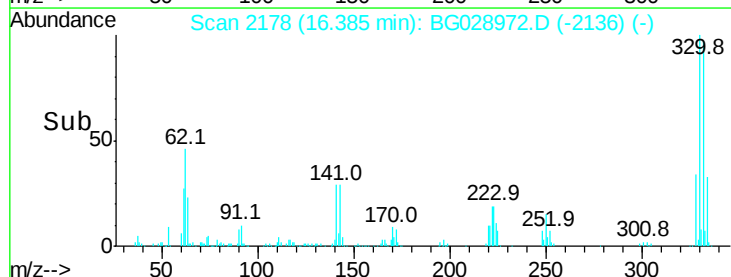
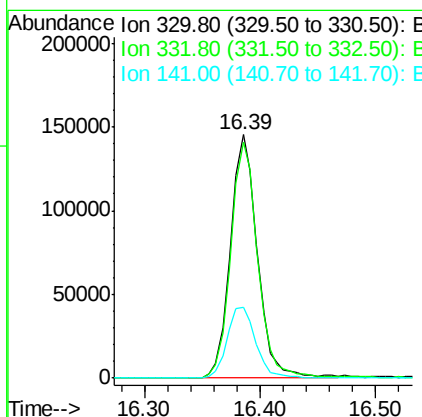
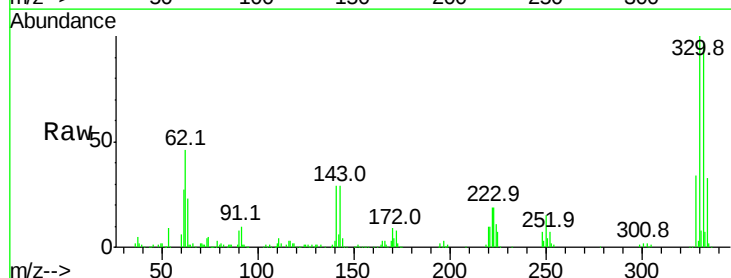
Instrument :
 BNA_G
 ClientSampleId :

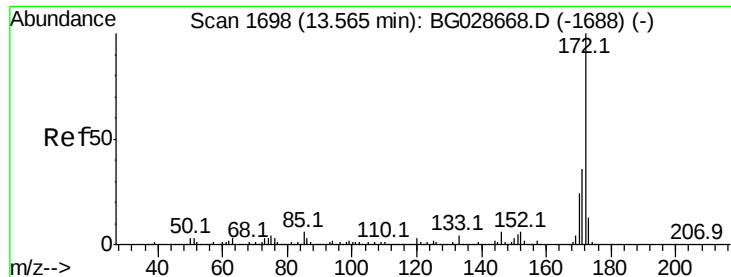
Tot Ion:164 Resp: 104954
 Ion Ratio Lower Upper
 164 100
 162 99.7 85.1 127.7
 160 45.0 34.7 52.1



#41
 2,4,6-Tribromophenol
 Concen: 135.330 ng
 RT: 16.39 min Scan# 2178
 Delta R.T. -0.05 min
 Lab File: BG028972.D
 Acq: 29 Sep 2017 17:00

Tgt Ion:330 Resp: 234916
 Ion Ratio Lower Upper
 330 100
 332 98.1 77.3 115.9
 141 31.0 32.1 48.1#

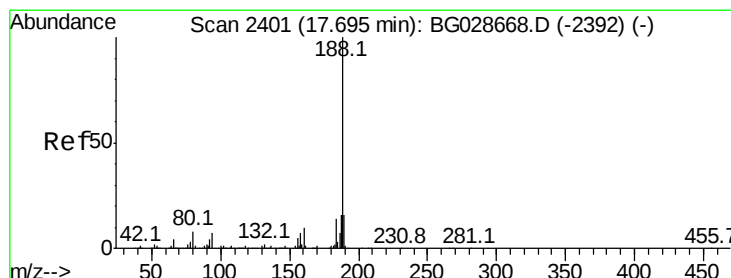
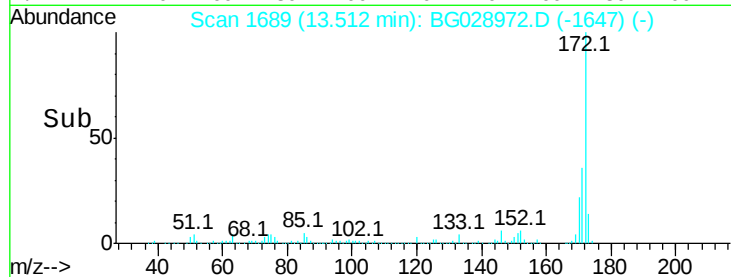
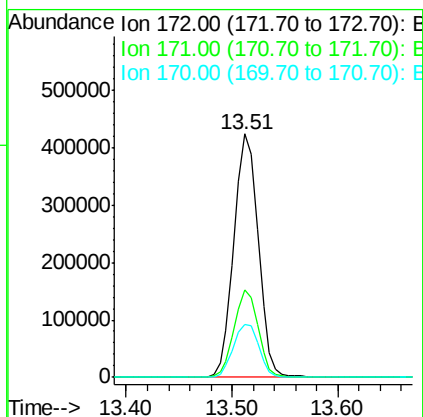
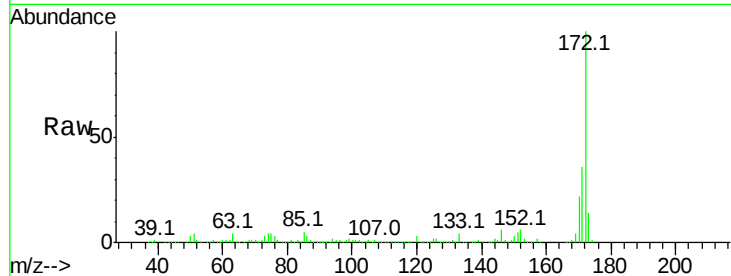




#44
2-Fluorobiphenyl
Concen: 85.922 ng
RT: 13.51 min Scan# 1689
Delta R.T. -0.05 min
Lab File: BG028972.D
Acq: 29 Sep 2017 17:00

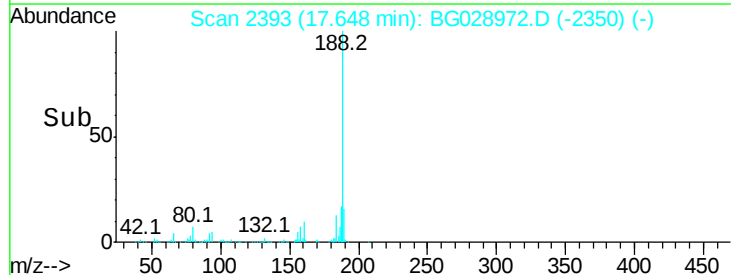
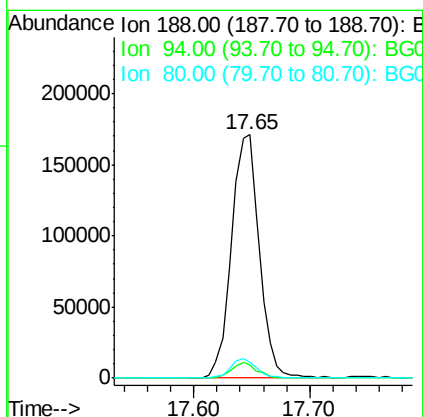
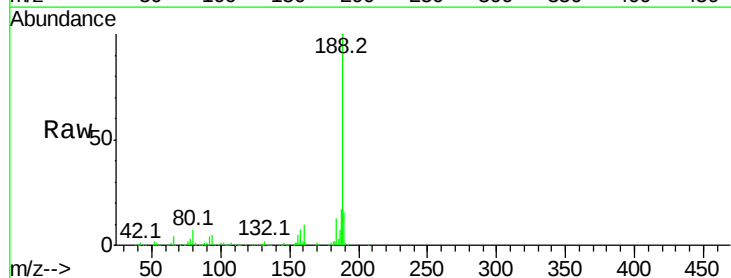
Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 676291
Ion Ratio Lower Upper
172 100
171 35.9 32.2 48.2
170 21.5 21.8 32.6#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.65 min Scan# 2393
Delta R.T. -0.05 min
Lab File: BG028972.D
Acq: 29 Sep 2017 17:00

Tgt Ion:188 Resp: 285474
Ion Ratio Lower Upper
188 100
94 5.3 5.8 8.8#
80 6.7 7.5 11.3#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.96 min Scan# 3127

Delta R.T. -0.07 min

Lab File: BG028972.D

Acq: 29 Sep 2017 17:00

Instrument :

BNA_G

ClientSampleId :

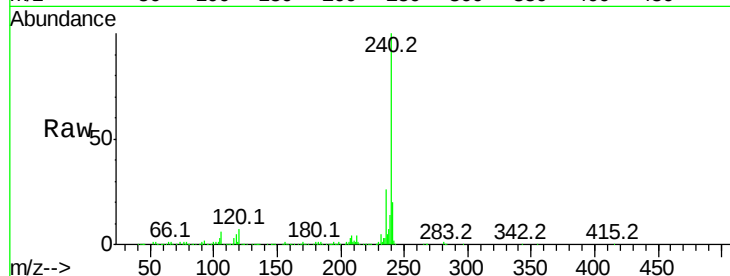
Tot Ion:240 Resp: 337569

Ion Ratio Lower Upper

240 100

120 6.8 5.7 8.5

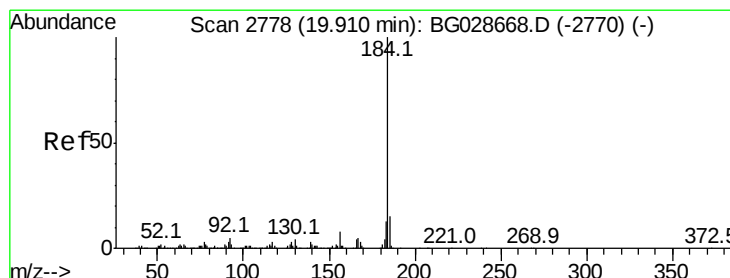
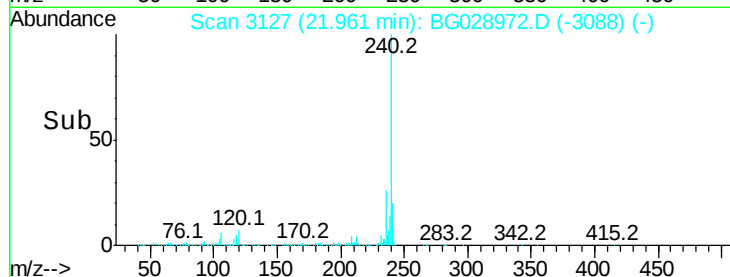
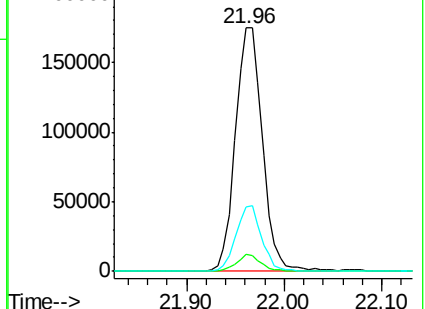
236 26.4 22.2 33.4



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



#76

Benzidine

Concen: 2.419 ng

RT: 19.87 min Scan# 2771

Delta R.T. -0.04 min

Lab File: BG028972.D

Acq: 29 Sep 2017 17:00

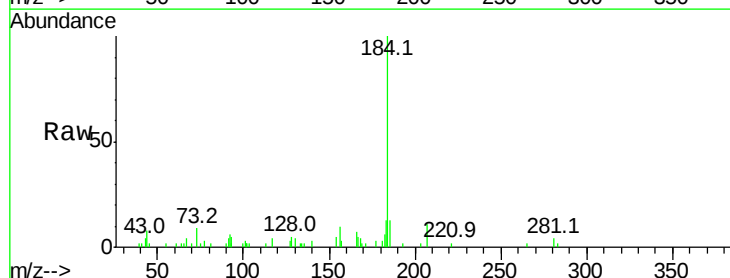
Tgt Ion:184 Resp: 21179

Ion Ratio Lower Upper

184 100

185 13.1 13.0 19.6

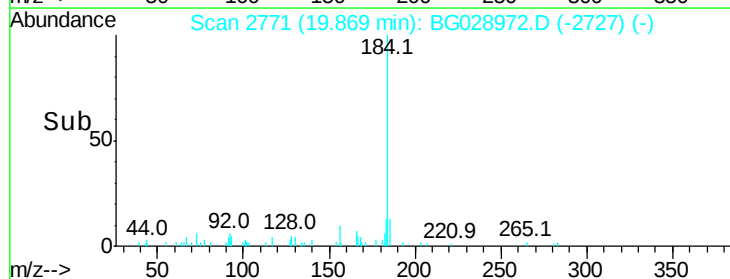
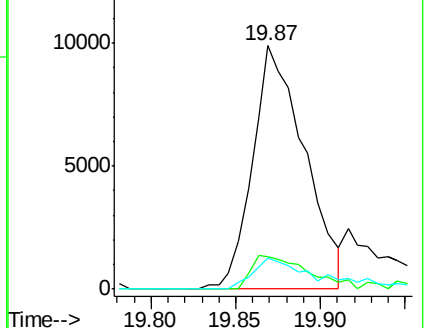
183 12.9 11.0 16.6

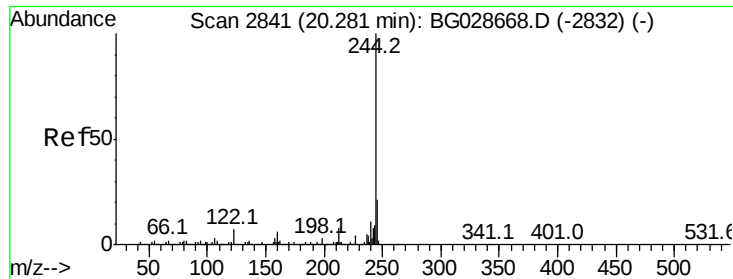


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 86.697 ng

RT: 20.23 min Scan# 2833

Delta R.T. -0.05 min

Lab File: BG028972.D

Acq: 29 Sep 2017 17:00

Instrument :

BNA_G

ClientSampleId :

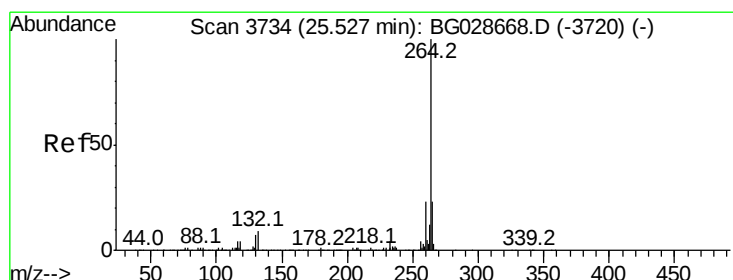
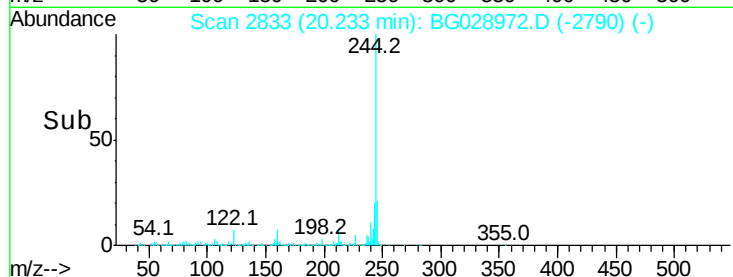
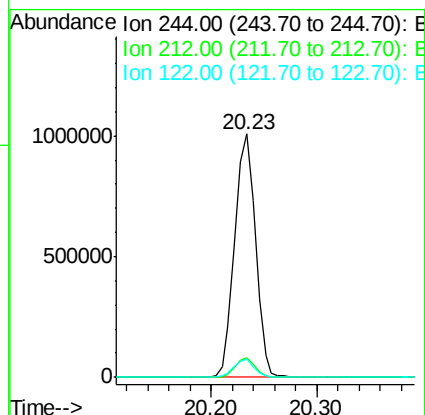
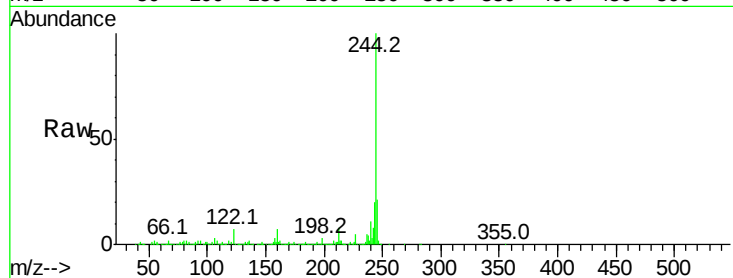
Tot Ion:244 Resp: 1372354

Ion Ratio Lower Upper

244 100

212 7.9 10.0 15.0#

122 7.3 8.6 12.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.42 min Scan# 3715

Delta R.T. -0.11 min

Lab File: BG028972.D

Acq: 29 Sep 2017 17:00

Tgt Ion:264 Resp: 337987

Ion Ratio Lower Upper

264 100

260 23.4 21.8 32.8

265 19.7 18.2 27.4

