

Data Path : Z:\HPCHEM1\BNA G\DATA\BG093017\
 Data File : BG029000.D
 Acq On : 1 Oct 2017 4:39
 Operator : SJ/JU
 Sample : I5551-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 01 05:12:09 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Oct 01 04:41:29 2017
 Response via : Initial Calibration

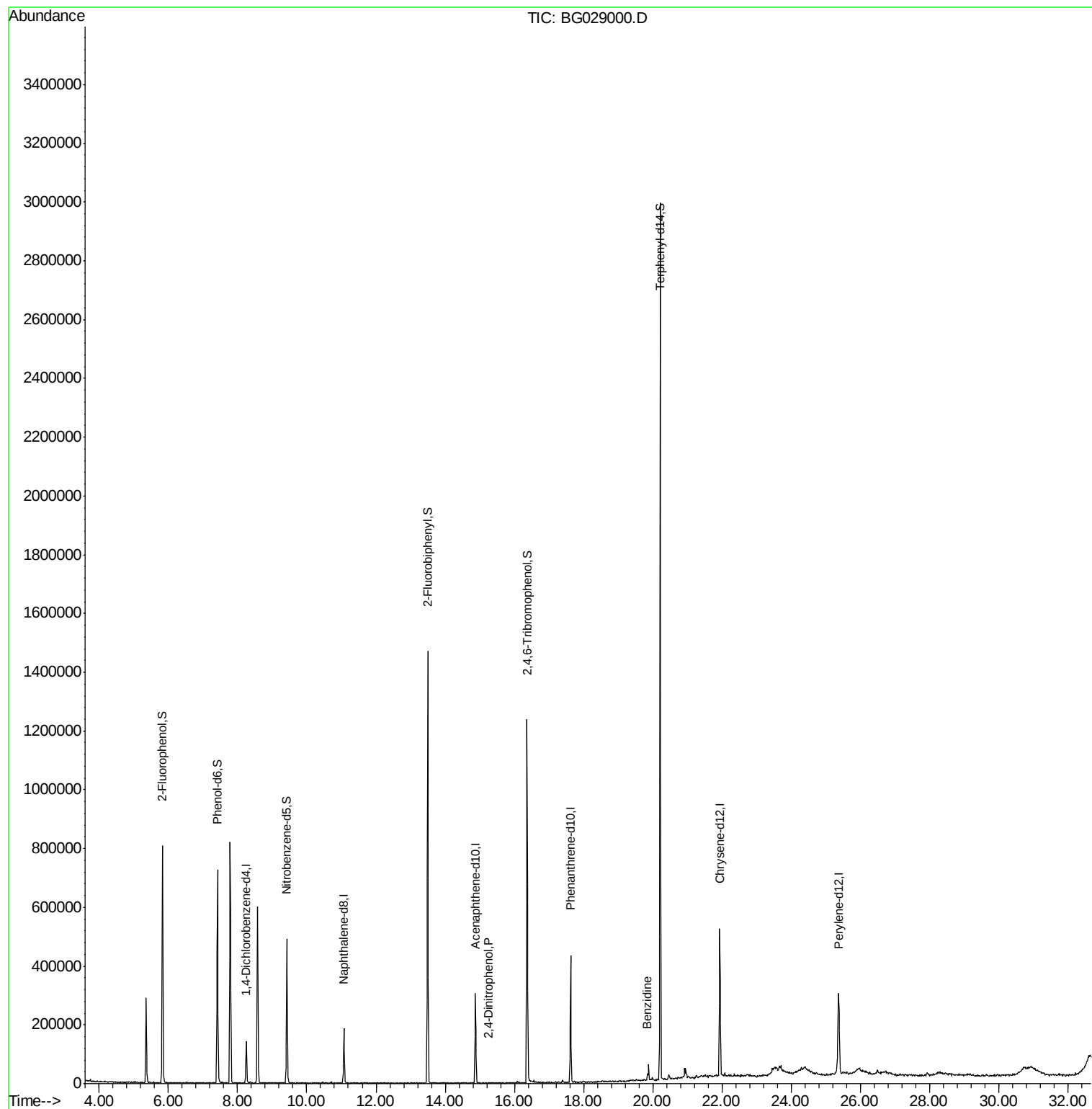
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	41516	20.00	ng	0.00
21) Naphthalene-d8	11.07	136	155495	20.00	ng	0.00
38) Acenaphthene-d10	14.87	164	109283	20.00	ng	0.00
63) Phenanthrene-d10	17.62	188	279661	20.00	ng	0.00
75) Chrysene-d12	21.94	240	329410	20.00	ng	-0.01
86) Perylene-d12	25.37	264	335976	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.83	112	348036	138.33	ng	0.00
7) Phenol-d6	7.42	99	437133	115.39	ng	0.00
23) Nitrobenzene-d5	9.43	82	312948	96.28	ng	0.00
41) 2,4,6-Tribromophenol	16.37	330	267688	148.10	ng	0.00
44) 2-Fluorobiphenyl	13.49	172	786718	95.99	ng	0.00
78) Terphenyl-d14	20.21	244	1426671	92.36	ng	0.00
Target Compounds						
53) 2,4-Dinitrophenol	15.24	184	65	8.056	ng	# 15
76) Benzidine	19.85	184	19272	2.256	ng	# 87

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

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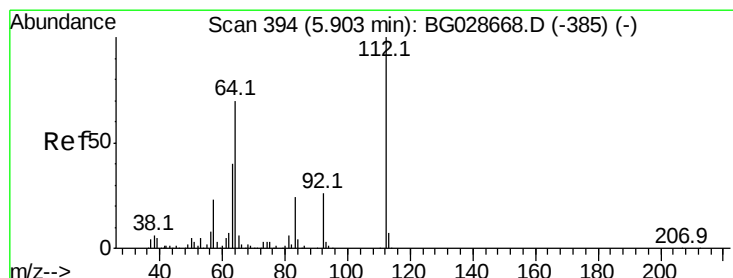
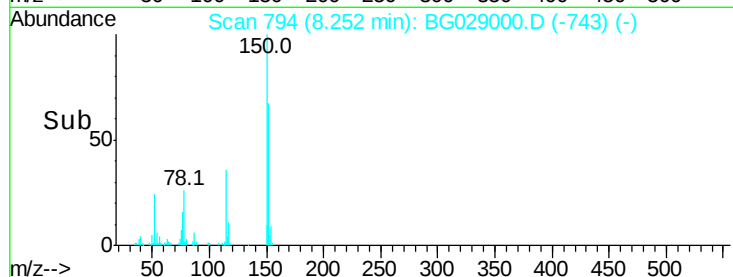
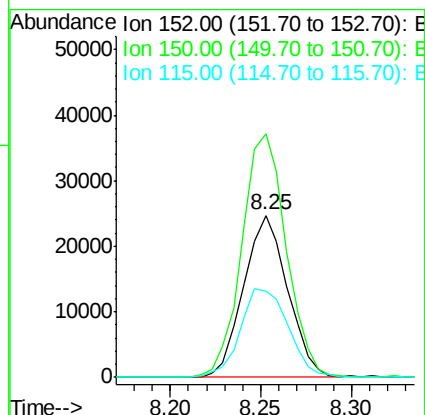
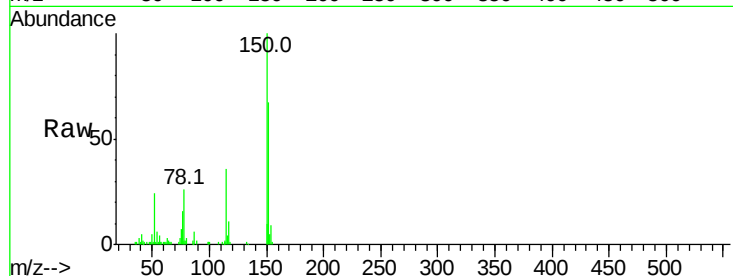


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.25 min Scan# 794
Delta R.T. -0.00 min
Lab File: BG029000.D
Acq: 1 Oct 2017 4:39

Instrument :
BNA_G
ClientSampleId :

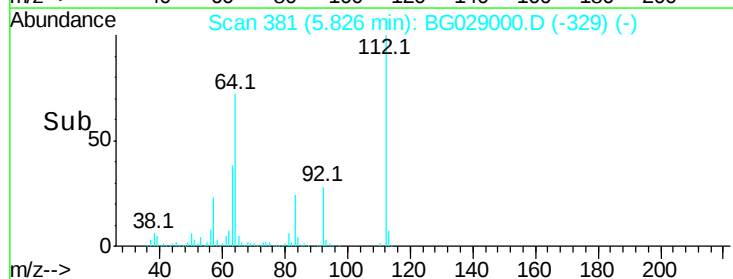
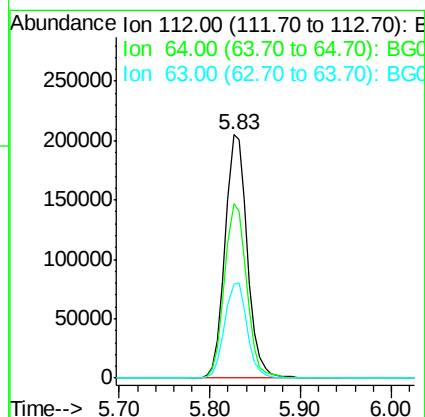
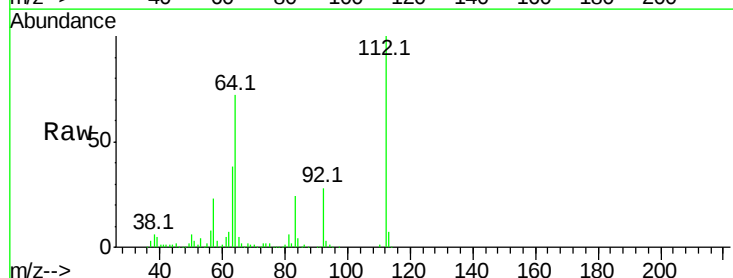
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.0	114.0	171.0
115	53.3	48.1	72.1



#5

2-Fluorophenol
Concen: 138.327 ng
RT: 5.83 min Scan# 381
Delta R.T. 0.00 min
Lab File: BG029000.D
Acq: 1 Oct 2017 4:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.7	61.8	92.6
63	38.4	37.2	55.8





#7

Phenol-d6

Concen: 115.393 ng

RT: 7.42 min Scan# 652

Delta R.T. 0.00 min

Lab File: BG029000.D

Acq: 1 Oct 2017 4:39

Instrument :

BNA_G

ClientSampleId :

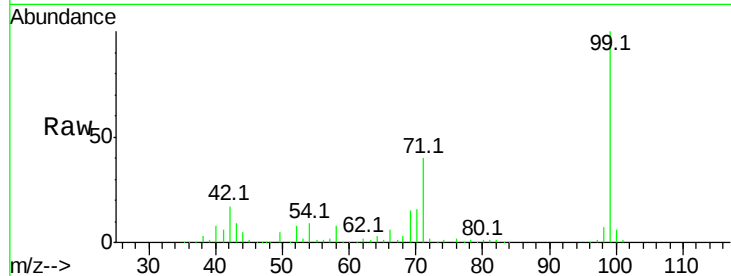
Tot Ion: 99 Resp: 437133

Ion Ratio Lower Upper

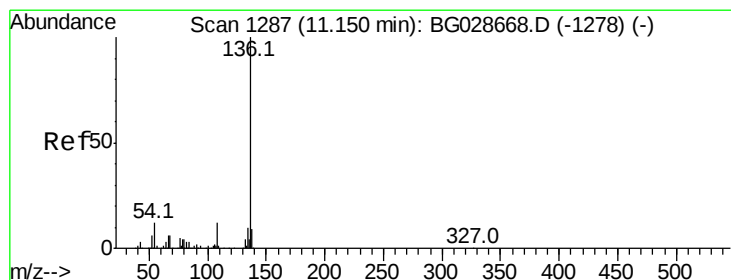
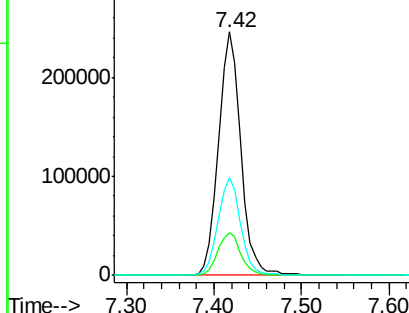
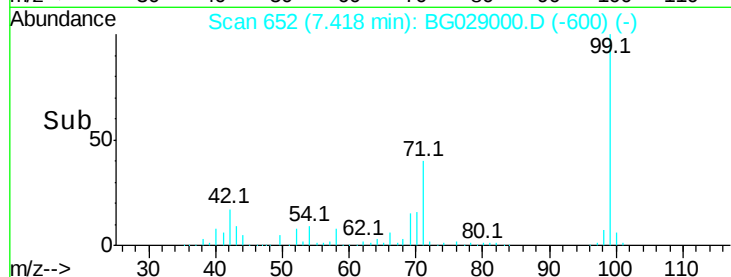
99 100

42 17.3 20.5 30.7#

71 40.0 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: 11.07 min Scan# 1274

Delta R.T. -0.01 min

Lab File: BG029000.D

Acq: 1 Oct 2017 4:39

Tgt Ion:136 Resp: 155495

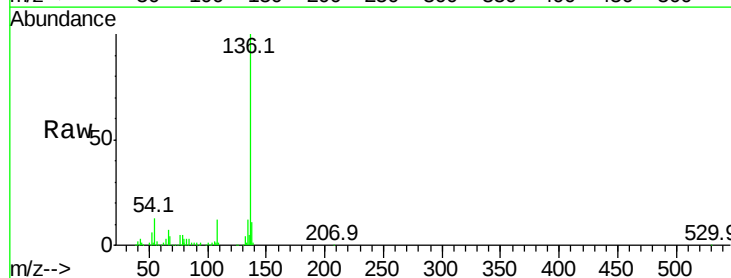
Ion Ratio Lower Upper

136 100

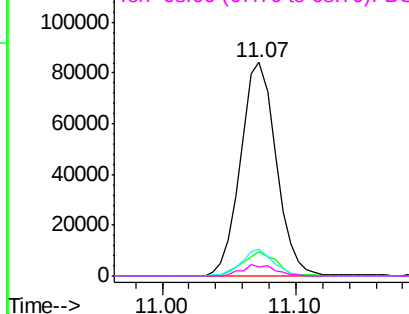
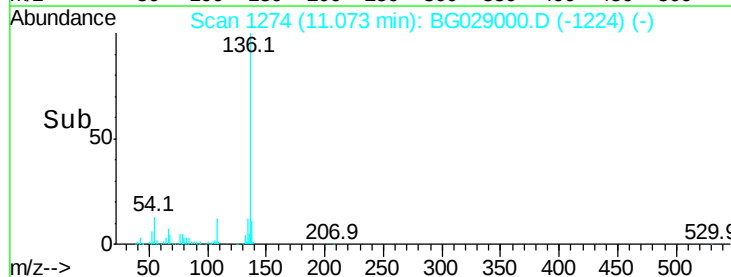
137 11.1 8.9 13.3

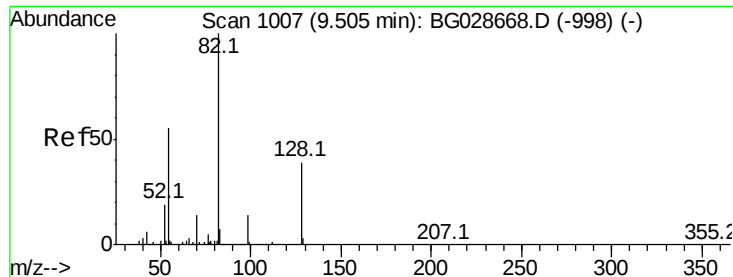
54 12.5 9.3 13.9

68 4.3 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

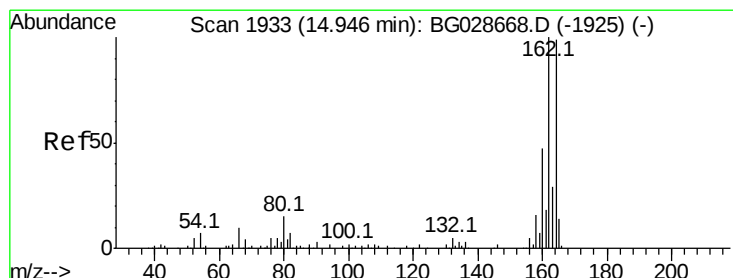
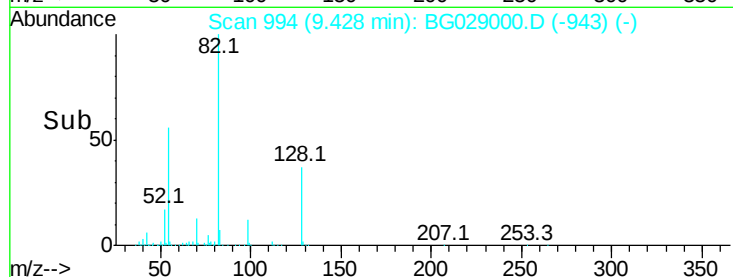
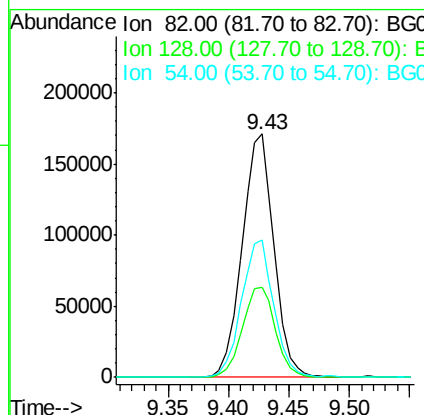
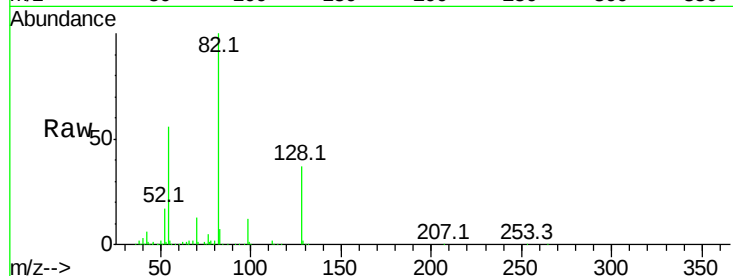




#23
Nitrobenzene-d5
Concen: 96.277 ng
RT: 9.43 min Scan# 994
Delta R.T. -0.00 min
Lab File: BG029000.D
Acq: 1 Oct 2017 4:39

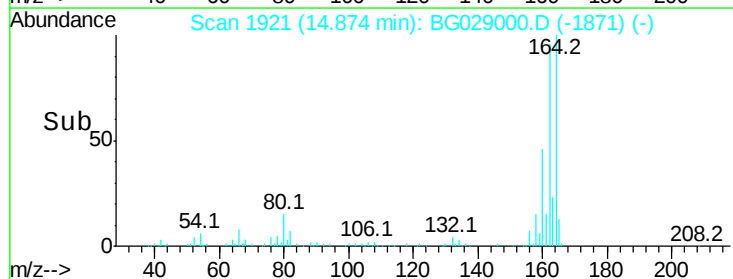
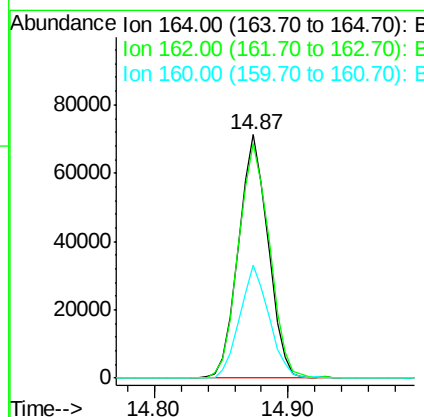
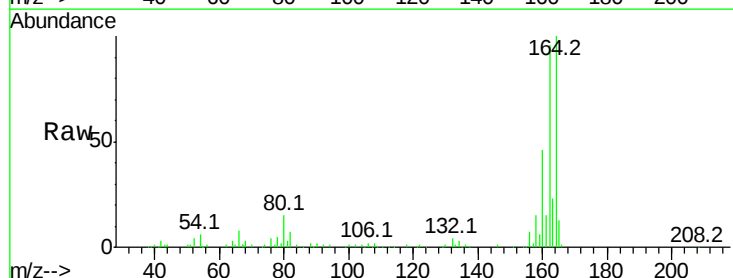
Instrument :
BNA_G
ClientSampleId :

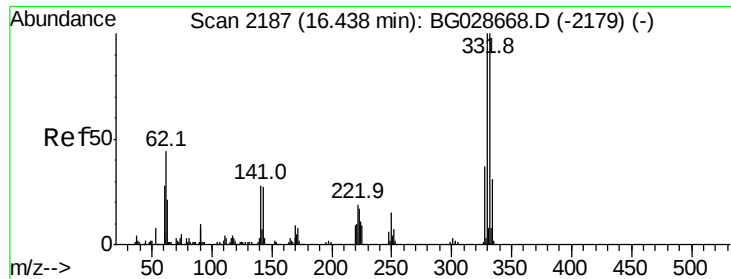
Tot Ion: 82 Resp: 312948
Ion Ratio Lower Upper
82 100
128 36.8 26.4 39.6
54 56.2 49.4 74.2



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.87 min Scan# 1921
Delta R.T. -0.01 min
Lab File: BG029000.D
Acq: 1 Oct 2017 4:39

Tgt Ion:164 Resp: 109283
Ion Ratio Lower Upper
164 100
162 96.4 85.1 127.7
160 46.4 34.7 52.1

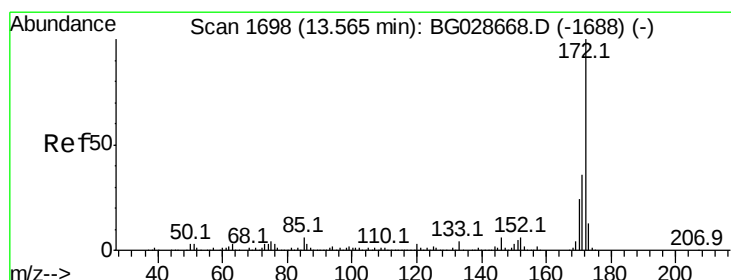
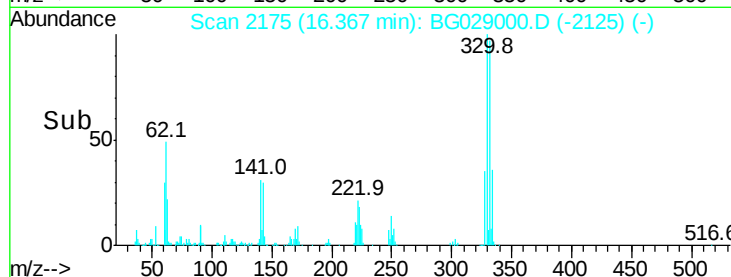
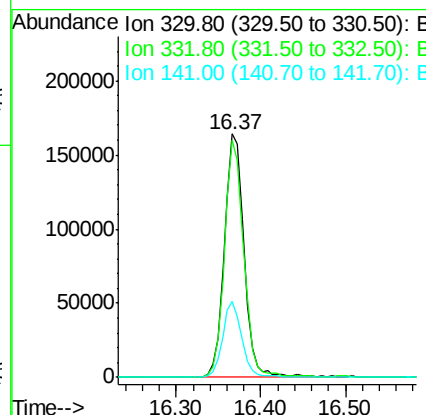
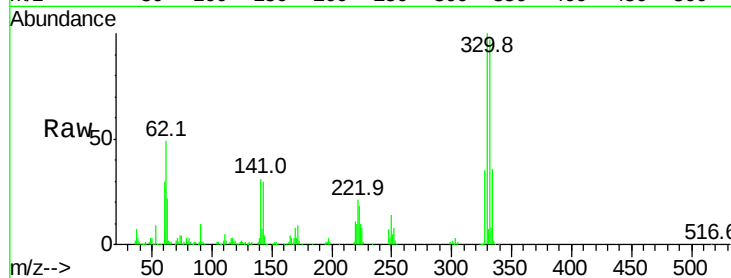




#41
 2,4,6-Tribromophenol
 Concen: 148.101 ng
 RT: 16.37 min Scan# 2175
 Delta R.T. -0.01 min
 Lab File: BG029000.D
 Acq: 1 Oct 2017 4:39

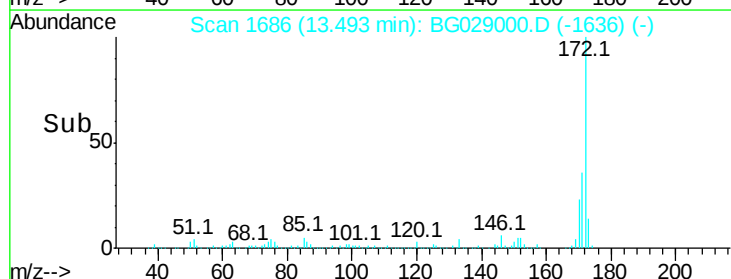
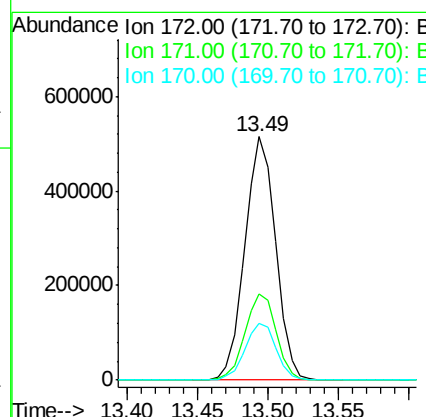
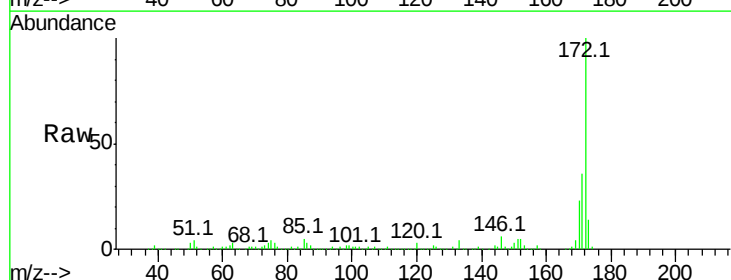
Instrument :
 BNA_G
 ClientSampleId :

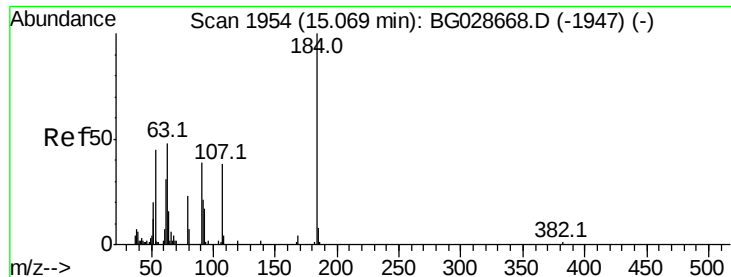
Tot Ion:330 Resp: 267688
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.3 115.9
 141 30.3 32.1 48.1#



#44
 2-Fluorobiphenyl
 Concen: 95.992 ng
 RT: 13.49 min Scan# 1686
 Delta R.T. -0.01 min
 Lab File: BG029000.D
 Acq: 1 Oct 2017 4:39

Tgt Ion:172 Resp: 786718
 Ion Ratio Lower Upper
 172 100
 171 35.6 32.2 48.2
 170 23.3 21.8 32.6

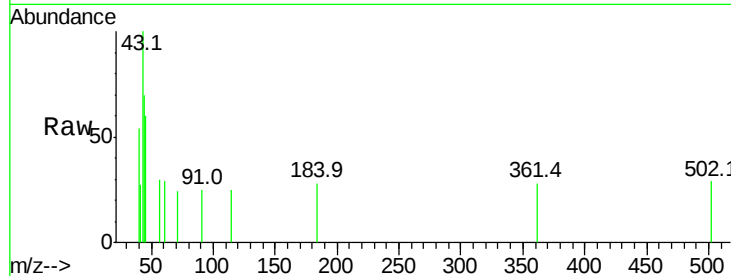




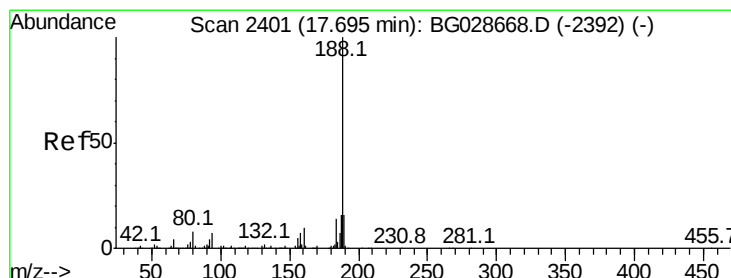
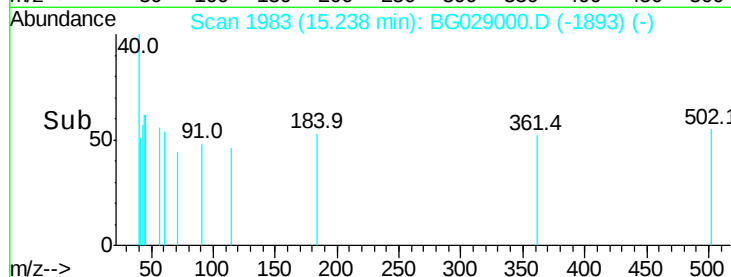
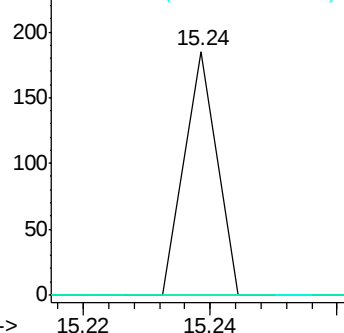
#53
2,4-Dinitrophenol
Concen: 8.056 ng
RT: 15.24 min Scan# 1983
Delta R.T. 0.23 min
Lab File: BG029000.D
Acq: 1 Oct 2017 4:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 65
Ion Ratio Lower Upper
184 100
63 0.0 52.7 79.1#
154 0.0 57.3 85.9#

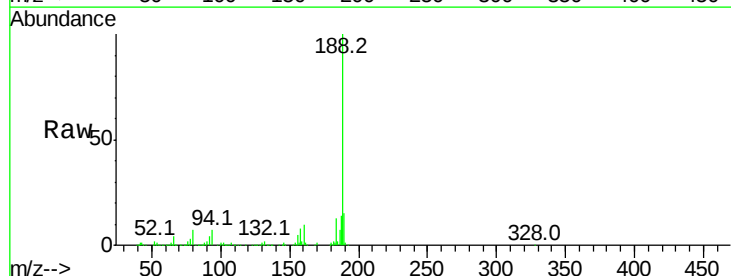


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

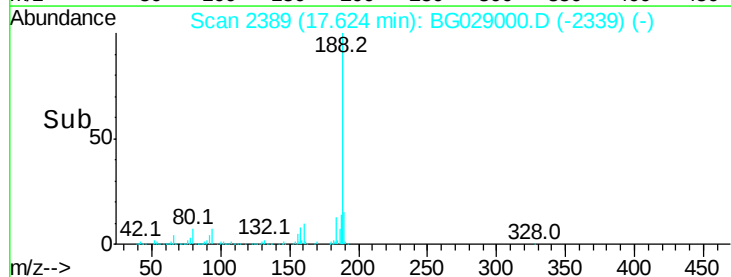
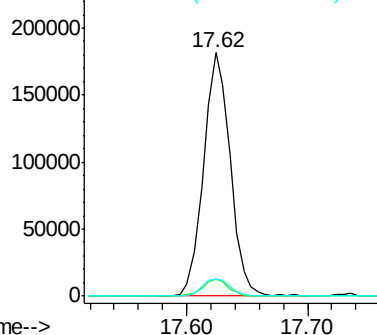


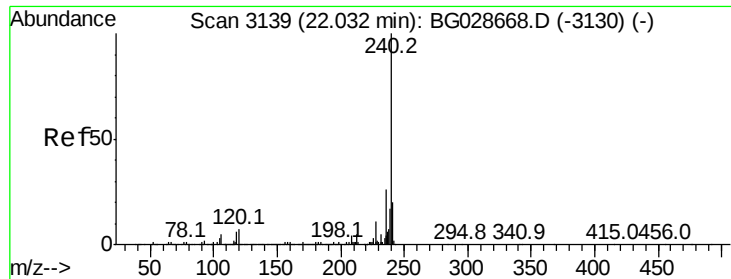
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.62 min Scan# 2389
Delta R.T. -0.01 min
Lab File: BG029000.D
Acq: 1 Oct 2017 4:39

Tgt Ion:188 Resp: 279661
Ion Ratio Lower Upper
188 100
94 7.0 5.8 8.8
80 7.0 7.5 11.3#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.94 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BG029000.D

Acq: 1 Oct 2017 4:39

Instrument :

BNA_G

ClientSampleId :

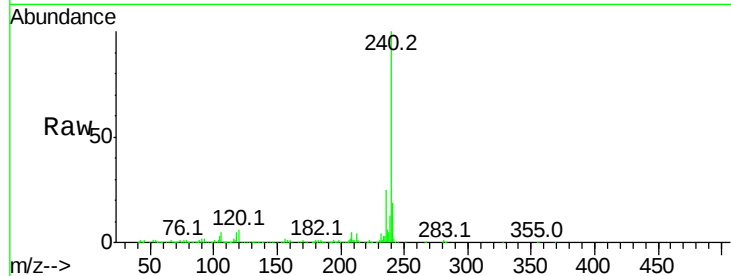
Tot Ion:240 Resp: 329410

Ion Ratio Lower Upper

240 100

120 5.7 5.7 8.5

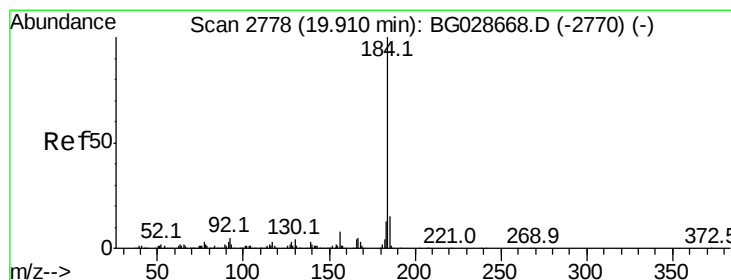
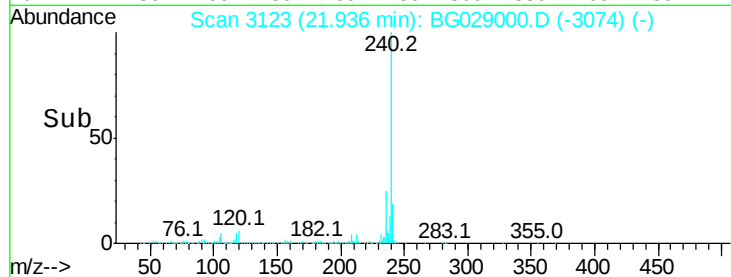
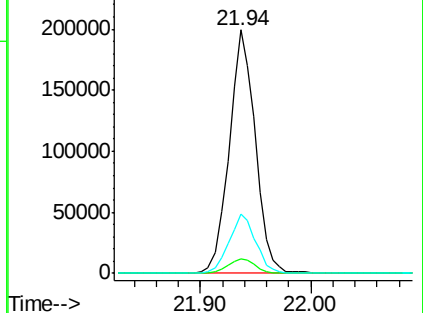
236 24.6 22.2 33.4



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: 2.256 ng

RT: 19.85 min Scan# 2768

Delta R.T. 0.00 min

Lab File: BG029000.D

Acq: 1 Oct 2017 4:39

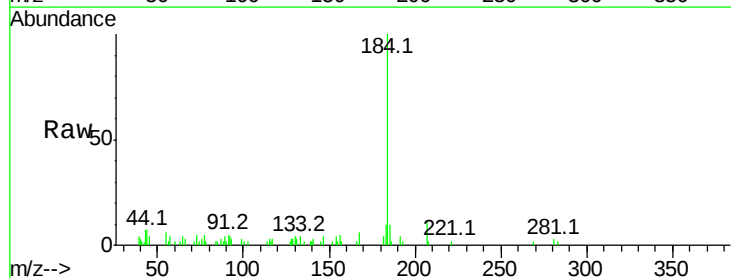
Tgt Ion:184 Resp: 19272

Ion Ratio Lower Upper

184 100

185 10.0 13.0 19.6#

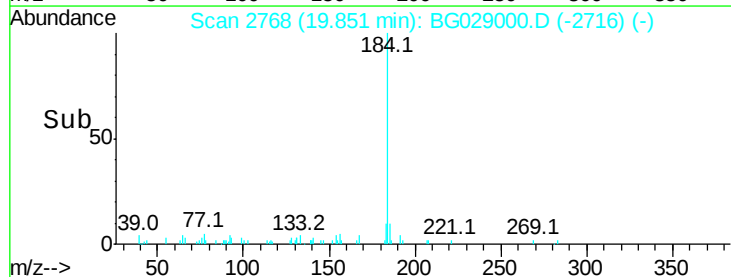
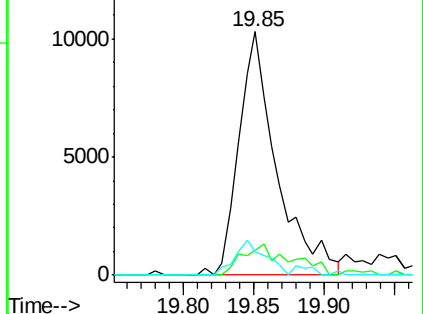
183 9.5 11.0 16.6#

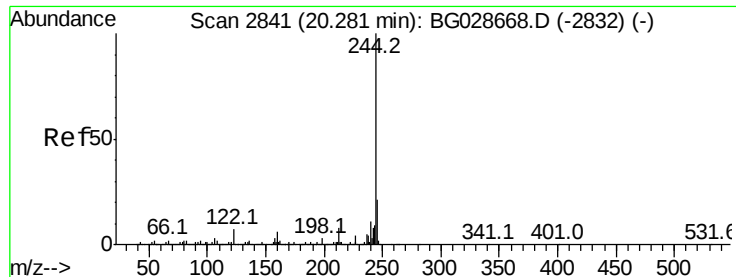


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 92.361 ng

RT: 20.21 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BG029000.D

Acq: 1 Oct 2017 4:39

Instrument :

BNA_G

ClientSampled :

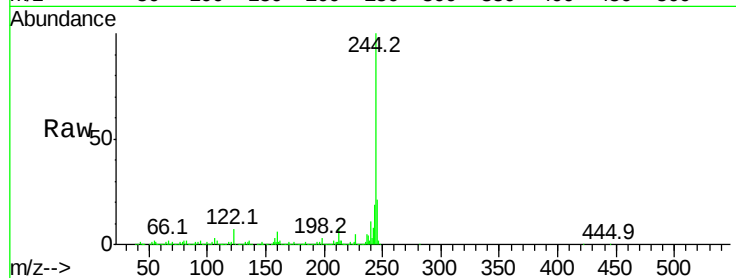
Tot Ion:244 Resp: 1426671

Ion Ratio Lower Upper

244 100

212 7.6 10.0 15.0#

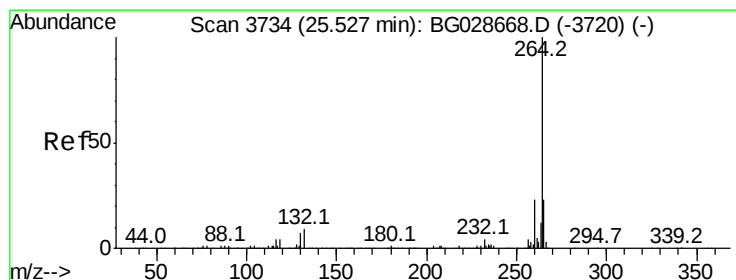
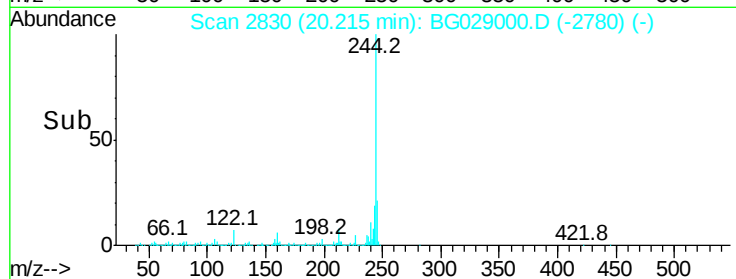
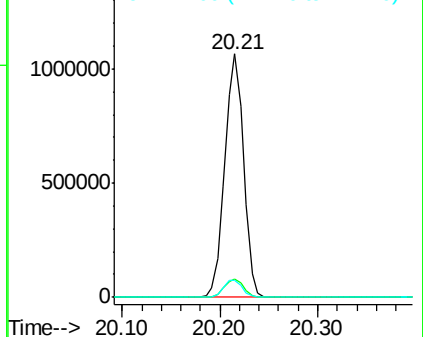
122 7.2 8.6 12.8#



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: 25.37 min Scan# 3708

Delta R.T. -0.00 min

Lab File: BG029000.D

Acq: 1 Oct 2017 4:39

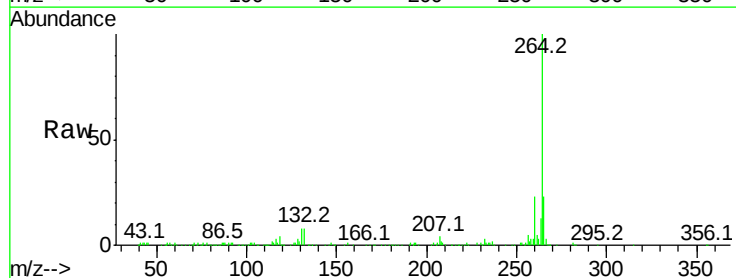
Tgt Ion:264 Resp: 335976

Ion Ratio Lower Upper

264 100

260 23.3 21.8 32.8

265 22.9 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

