

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092917\
 Data File : BG028977.D
 Acq On : 29 Sep 2017 20:16
 Operator : SJ/JU
 Sample : I5450-19
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 29 22:36:23 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

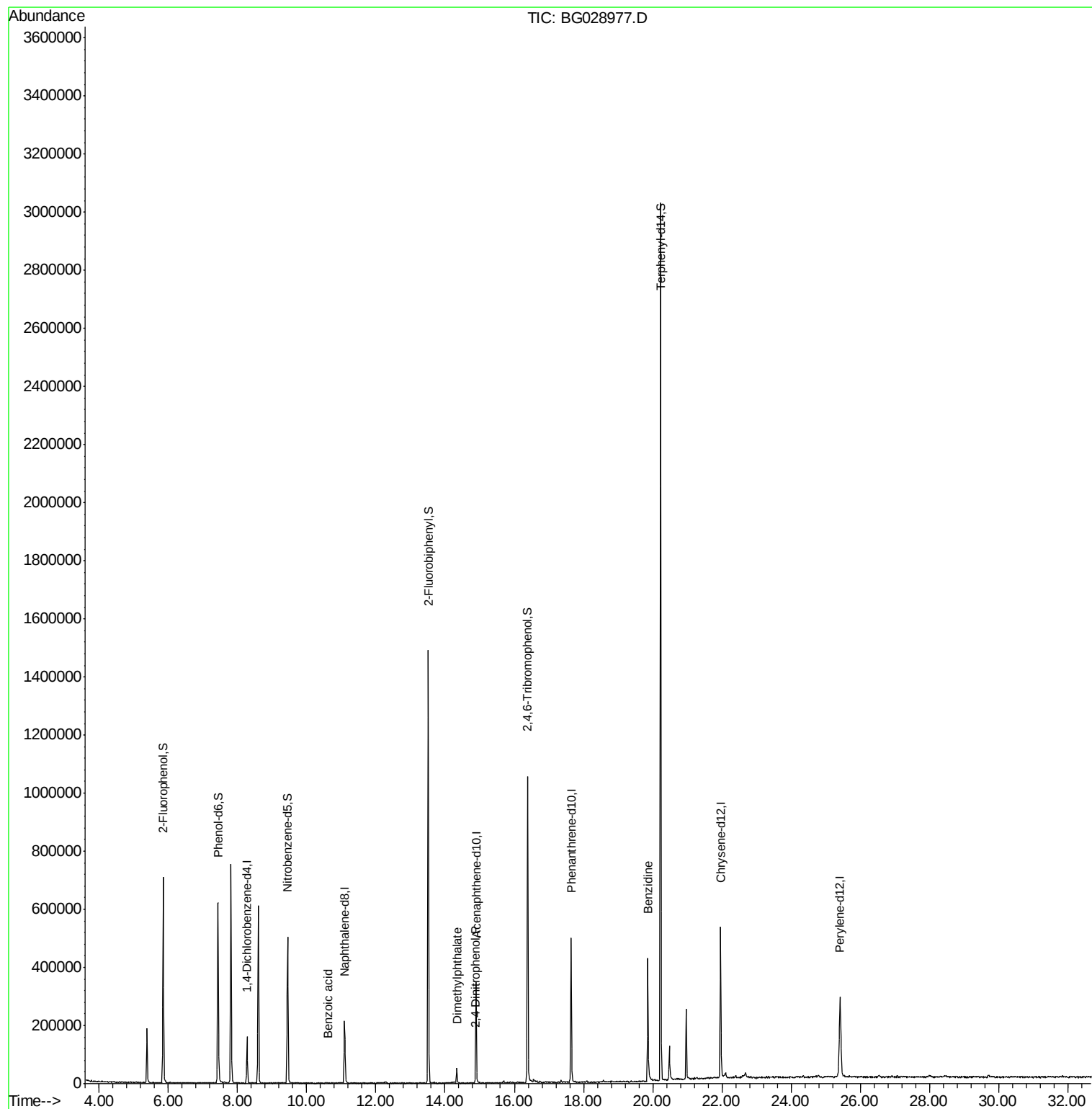
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	42648	20.00	ng	-0.05
21) Naphthalene-d8	11.09	136	176159	20.00	ng	-0.06
38) Acenaphthene-d10	14.90	164	123301	20.00	ng	-0.05
63) Phenanthrene-d10	17.64	188	318259	20.00	ng	-0.05
75) Chrysene-d12	21.96	240	356536	20.00	ng	-0.07
86) Perylene-d12	25.42	264	362346	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.85	112	312239	120.81	ng	-0.05
7) Phenol-d6	7.44	99	388204	99.76	ng	-0.05
23) Nitrobenzene-d5	9.45	82	323156	87.76	ng	-0.06
41) 2,4,6-Tribromophenol	16.39	330	229151	112.37	ng	-0.05
44) 2-Fluorobiphenyl	13.51	172	816562	88.31	ng	-0.05
78) Terphenyl-d14	20.23	244	1473532	88.14	ng	-0.05
Target Compounds						
32) Benzoic acid	10.62	122	59	6.109	ng	Qvalue # 1
49) Dimethylphthalate	14.34	163	33619	3.252	ng	96
53) 2,4-Dinitrophenol	14.87	184	69	8.053	ng	# 15
76) Benzidine	19.86	184	295211	31.929	ng	95

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

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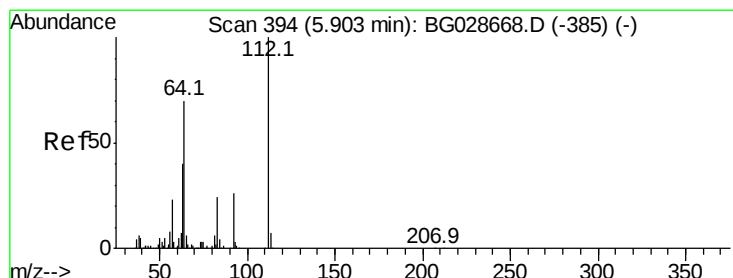
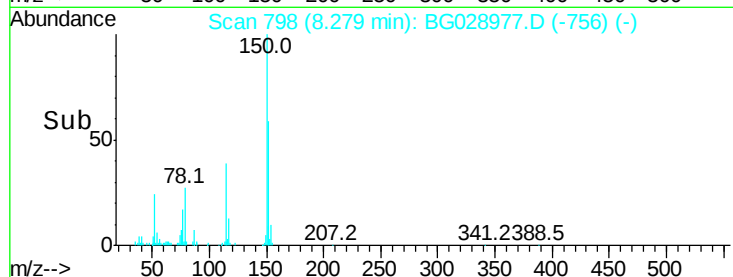
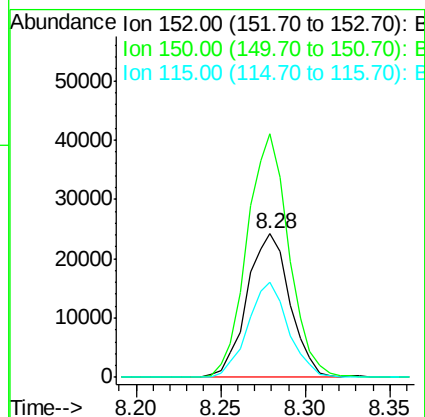
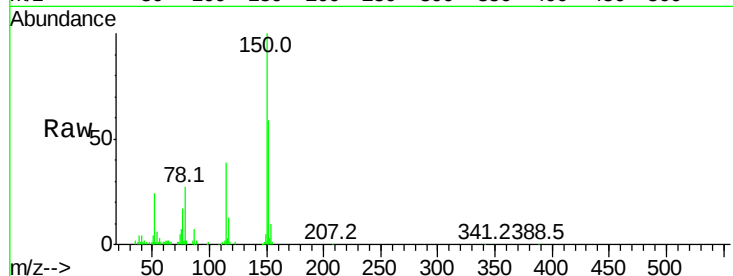


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.28 min Scan# 798
Delta R.T. -0.05 min
Lab File: BG028977.D
Acq: 29 Sep 2017 20:16

Instrument :
BNA_G
ClientSampled :

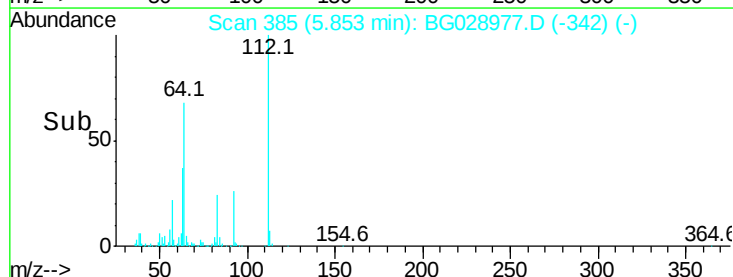
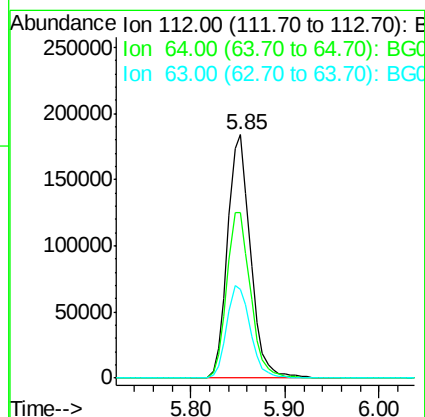
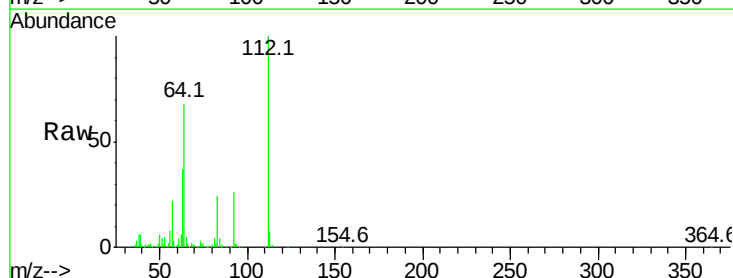
Tot Ion:152 Resp: 42648
Ion Ratio Lower Upper
152 100
150 169.7 114.0 171.0
115 66.7 48.1 72.1



#5

2-Fluorophenol
Concen: 120.805 ng
RT: 5.85 min Scan# 385
Delta R.T. -0.05 min
Lab File: BG028977.D
Acq: 29 Sep 2017 20:16

Tgt Ion:112 Resp: 312239
Ion Ratio Lower Upper
112 100
64 68.1 61.8 92.6
63 36.6 37.2 55.8#





#7

Phenol-d6

Concen: 99.757 ng

RT: 7.44 min Scan# 655

Delta R.T. -0.05 min

Lab File: BG028977.D

Acq: 29 Sep 2017 20:16

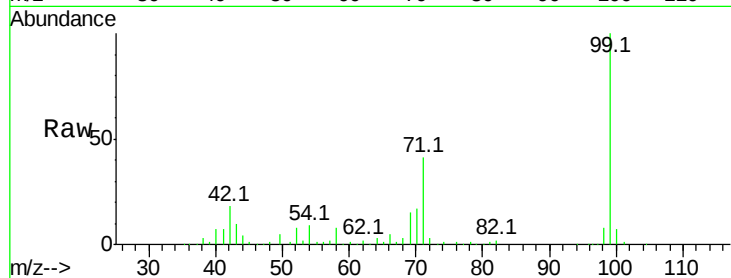
Instrument :

BNA_G

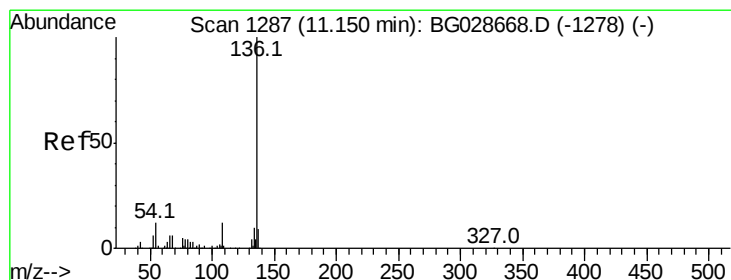
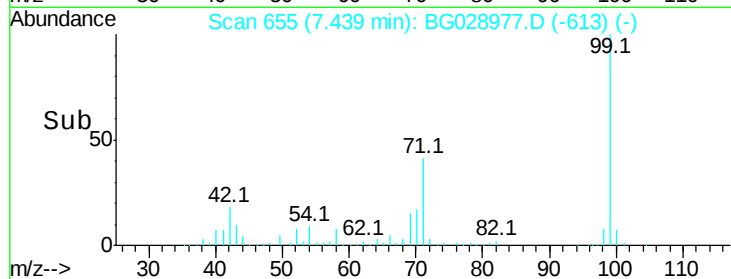
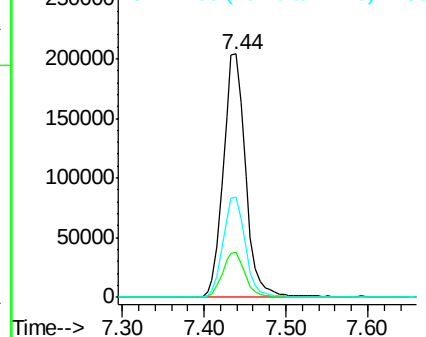
ClientSampleId :

Tot Ion: 99 Resp: 388204

Ion	Ratio	Lower	Upper
99	100		
42	18.4	20.5	30.7#
71	41.1	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: 11.09 min Scan# 1277

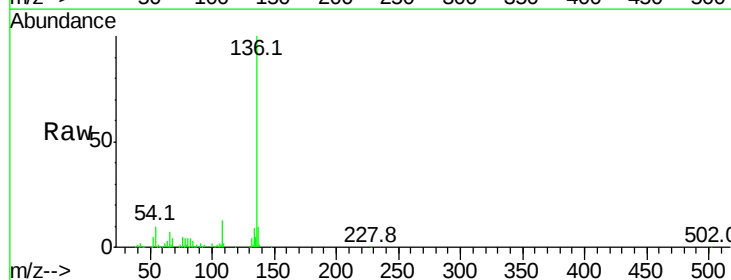
Delta R.T. -0.06 min

Lab File: BG028977.D

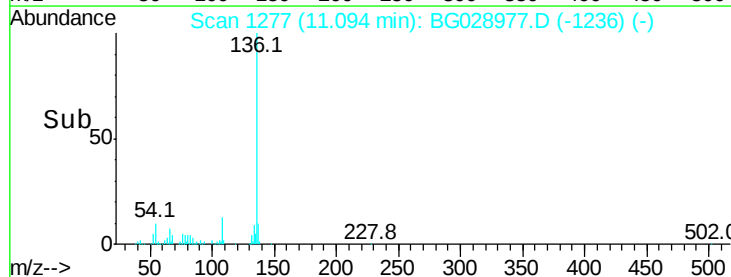
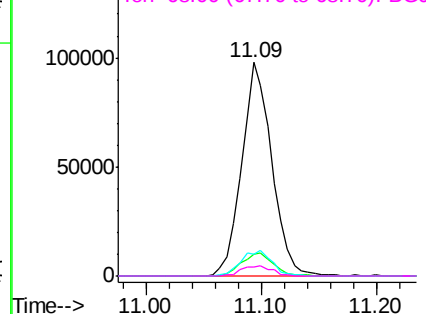
Acq: 29 Sep 2017 20:16

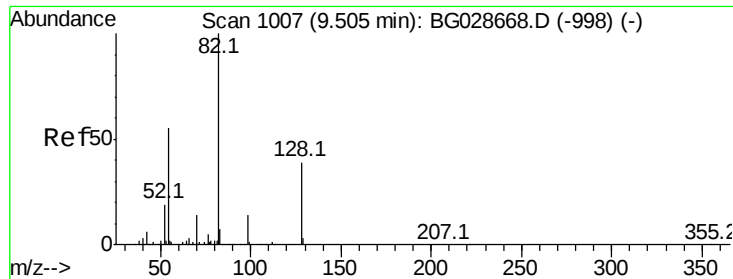
Tgt Ion: 136 Resp: 176159

Ion	Ratio	Lower	Upper
136	100		
137	10.0	8.9	13.3
54	10.4	9.3	13.9
68	4.1	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

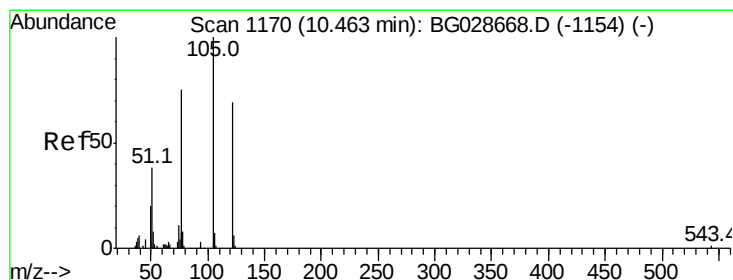
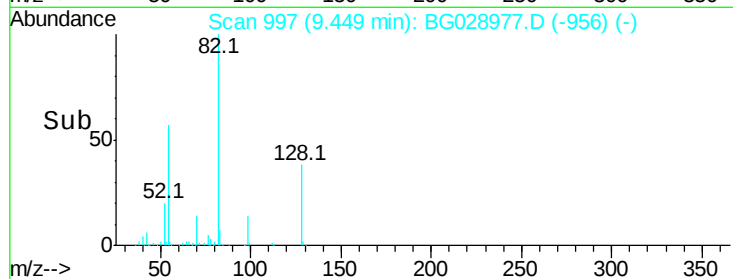
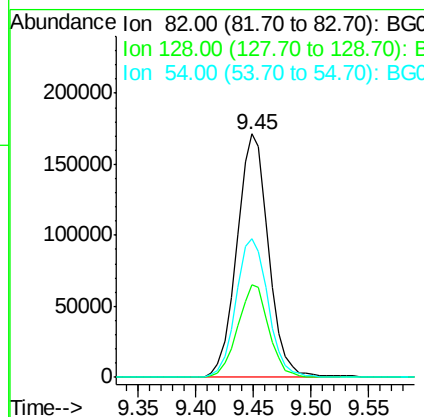
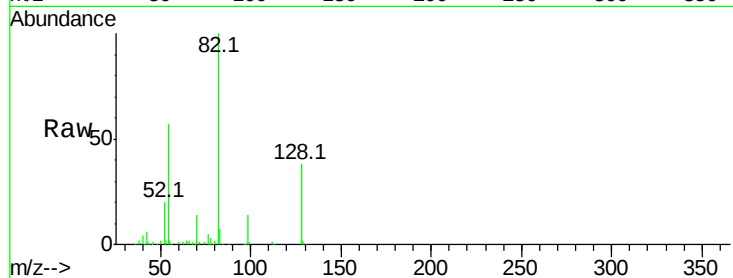




#23
Nitrobenzene-d5
Concen: 87.756 ng
RT: 9.45 min Scan# 997
Delta R.T. -0.06 min
Lab File: BG028977.D
Acq: 29 Sep 2017 20:16

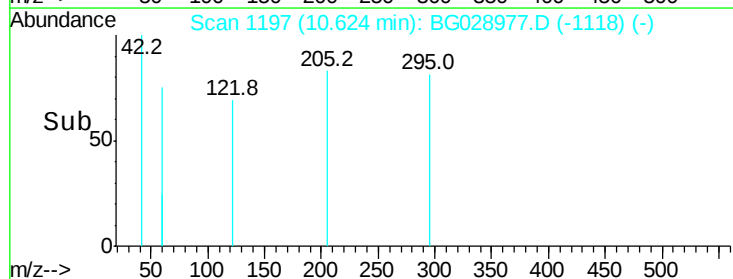
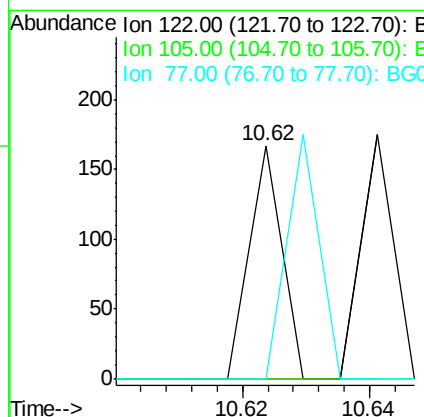
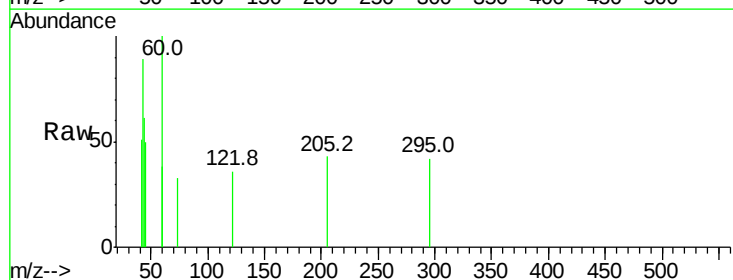
Instrument :
BNA_G
ClientSampled :

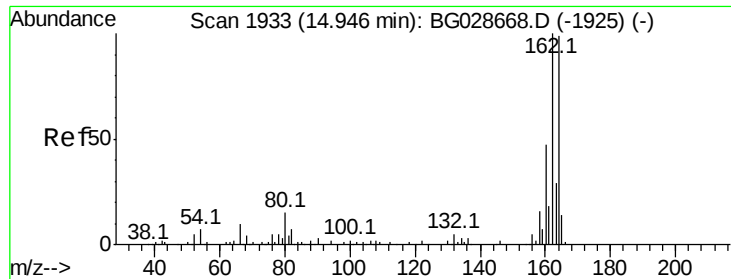
Tot Ion	82	Resp	323156
Ion Ratio	100	Lower	Upper
128	38.2	26.4	39.6
54	57.0	49.4	74.2



#32
Benzoic acid
Concen: 6.109 ng
RT: 10.62 min Scan# 1197
Delta R.T. 0.16 min
Lab File: BG028977.D
Acq: 29 Sep 2017 20:16

Tgt Ion	122	Resp	59
Ion Ratio	100	Lower	Upper
105	0.0	120.1	160.1#
77	0.0	104.6	144.6#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.90 min Scan# 1924

Delta R.T. -0.05 min

Lab File: BG028977.D

Acq: 29 Sep 2017 20:16

Instrument :

BNA_G

ClientSampleId :

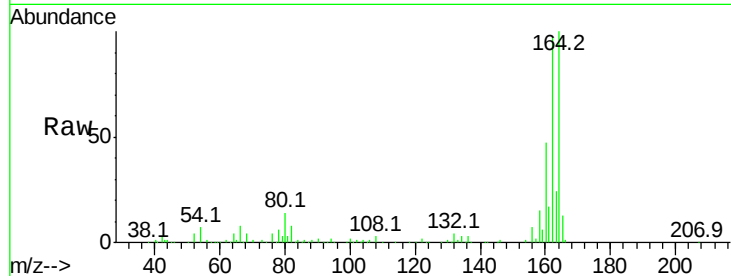
Tot Ion:164 Resp: 123301

Ion Ratio Lower Upper

164 100

162 97.1 85.1 127.7

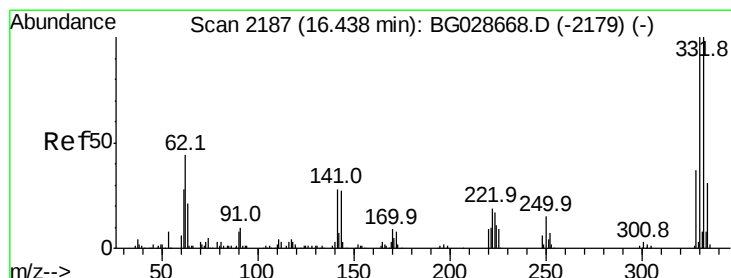
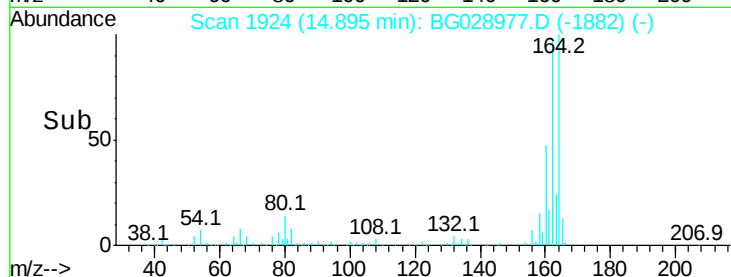
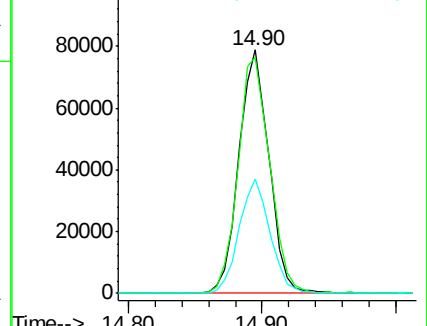
160 47.2 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 112.366 ng

RT: 16.39 min Scan# 2178

Delta R.T. -0.05 min

Lab File: BG028977.D

Acq: 29 Sep 2017 20:16

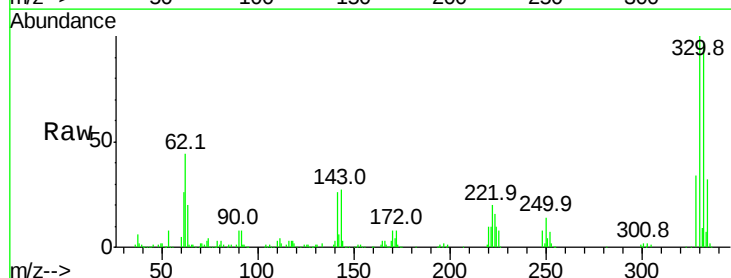
Tgt Ion:330 Resp: 229151

Ion Ratio Lower Upper

330 100

332 98.8 77.3 115.9

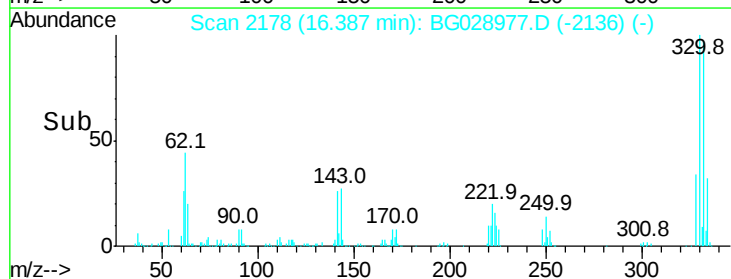
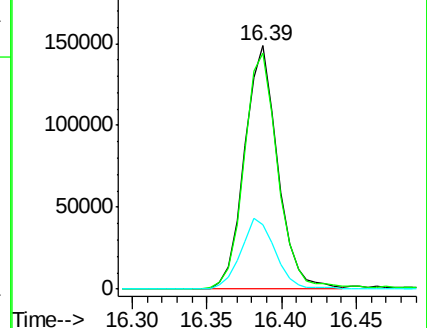
141 30.4 32.1 48.1#

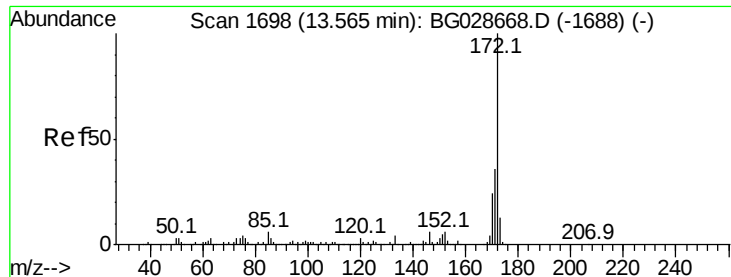


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

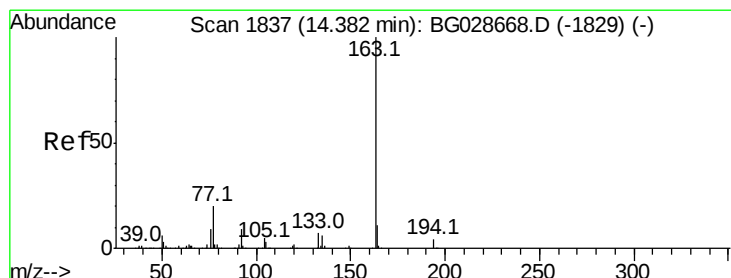
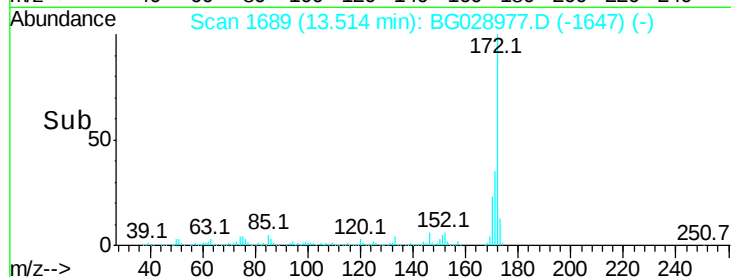
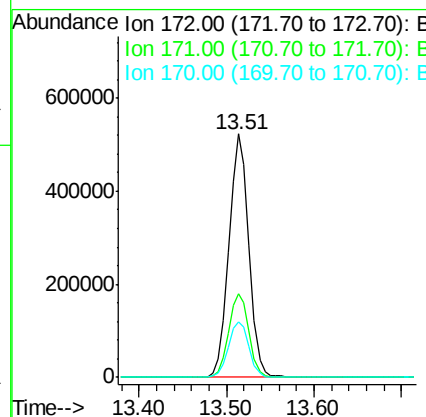
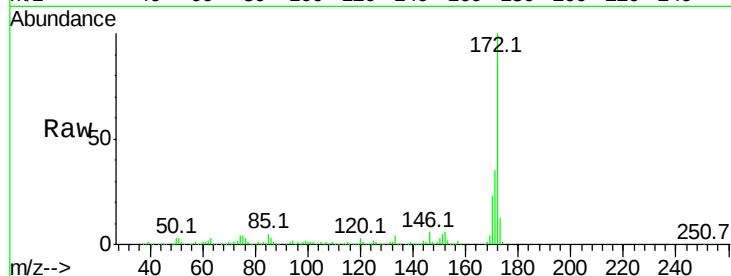




#44
2-Fluorobiphenyl
Concen: 88.306 ng
RT: 13.51 min Scan# 1689
Delta R.T. -0.05 min
Lab File: BG028977.D
Acq: 29 Sep 2017 20:16

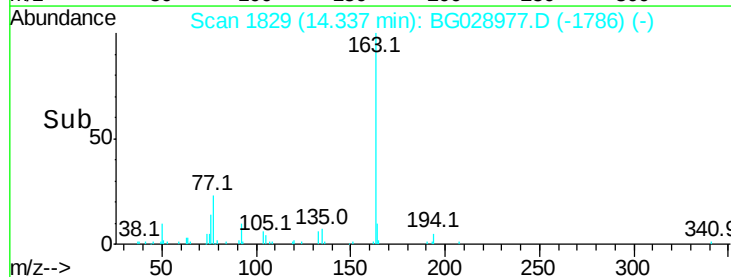
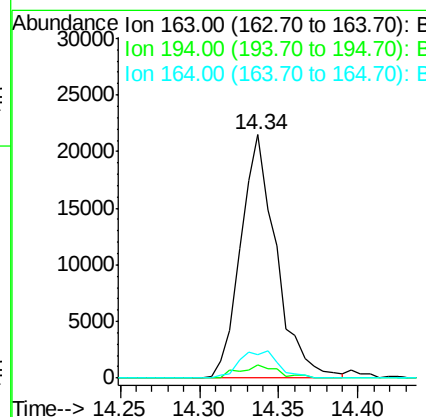
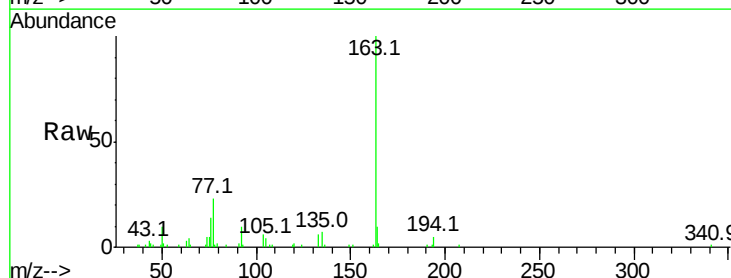
Instrument :
BNA_G
ClientSampleId :

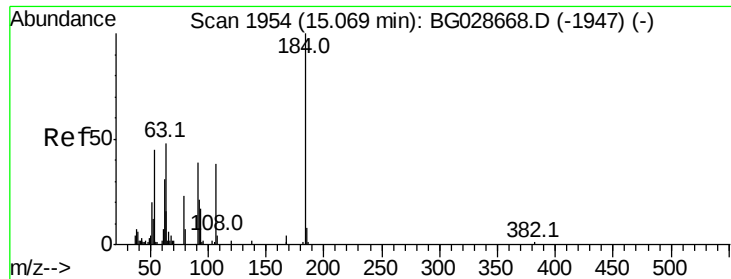
Tot Ion:172 Resp: 816562
Ion Ratio Lower Upper
172 100
171 34.5 32.2 48.2
170 22.7 21.8 32.6



#49
Dimethylphthalate
Concen: 3.252 ng
RT: 14.34 min Scan# 1829
Delta R.T. -0.04 min
Lab File: BG028977.D
Acq: 29 Sep 2017 20:16

Tgt Ion:163 Resp: 33619
Ion Ratio Lower Upper
163 100
194 5.2 3.8 5.6
164 9.7 9.3 13.9

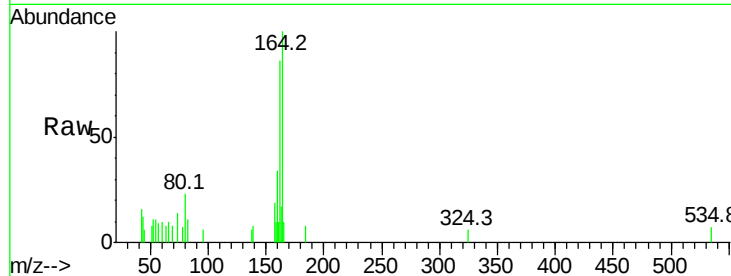




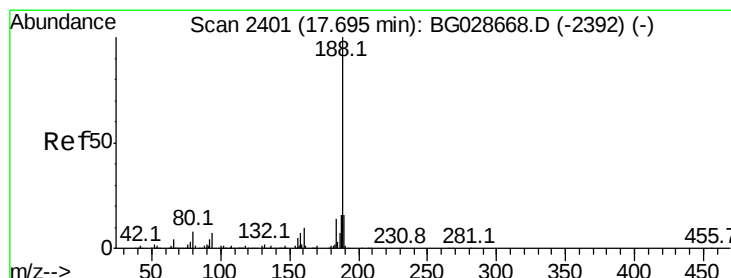
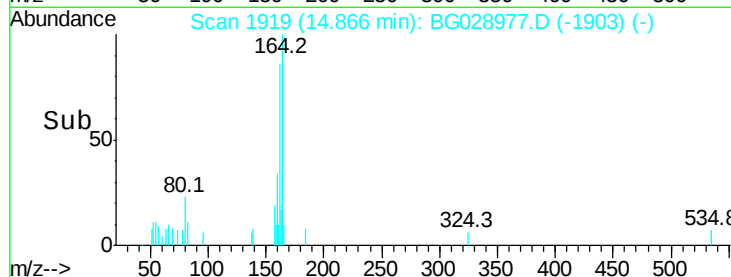
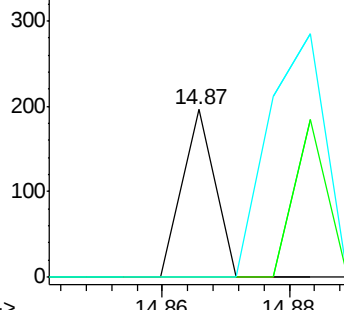
#53
2,4-Dinitrophenol
Concen: 8.053 ng
RT: 14.87 min Scan# 1919
Delta R.T. -0.20 min
Lab File: BG028977.D
Acq: 29 Sep 2017 20:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 69
Ion Ratio Lower Upper
184 100
63 0.0 52.7 79.1#
154 0.0 57.3 85.9#

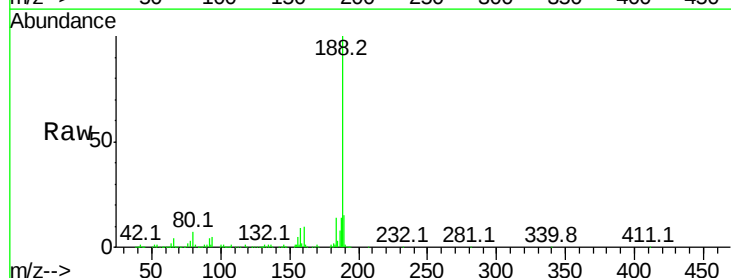


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

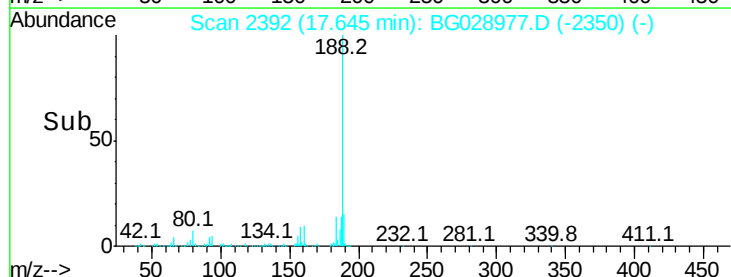
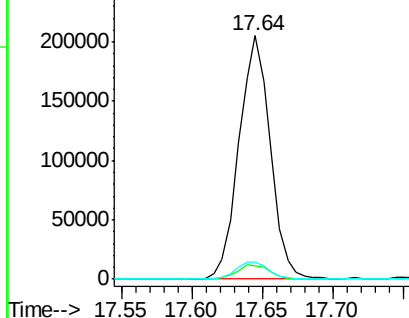


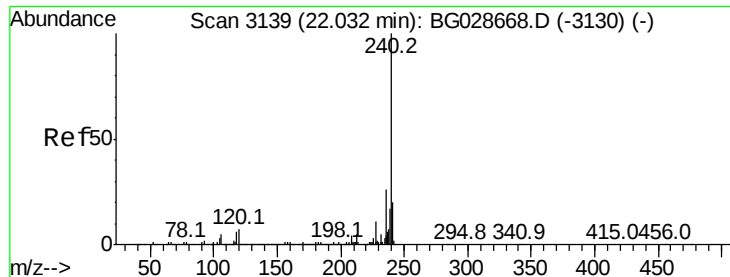
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.64 min Scan# 2392
Delta R.T. -0.05 min
Lab File: BG028977.D
Acq: 29 Sep 2017 20:16

Tgt Ion:188 Resp: 318259
Ion Ratio Lower Upper
188 100
94 5.3 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: 21.96 min Scan# 3127

Delta R.T. -0.07 min

Lab File: BG028977.D

Acq: 29 Sep 2017 20:16

Instrument :

BNA_G

ClientSampled :

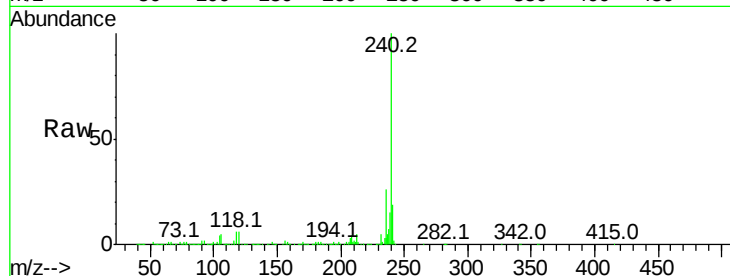
Tot Ion:240 Resp: 356536

Ion Ratio Lower Upper

240 100

120 5.7 5.7 8.5

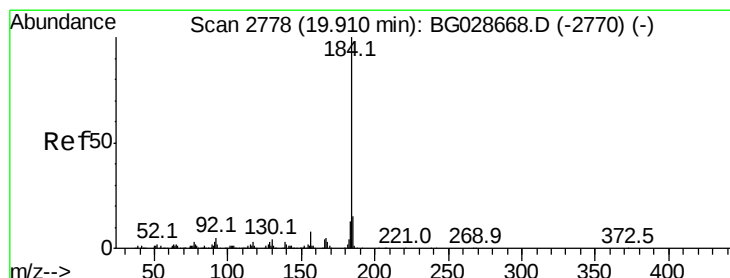
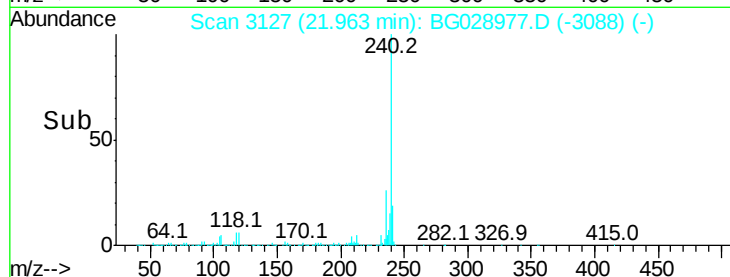
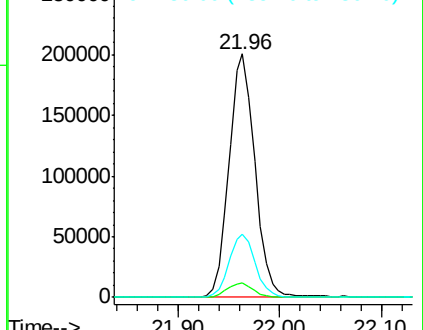
236 25.9 22.2 33.4



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: 31.929 ng

RT: 19.86 min Scan# 2769

Delta R.T. -0.05 min

Lab File: BG028977.D

Acq: 29 Sep 2017 20:16

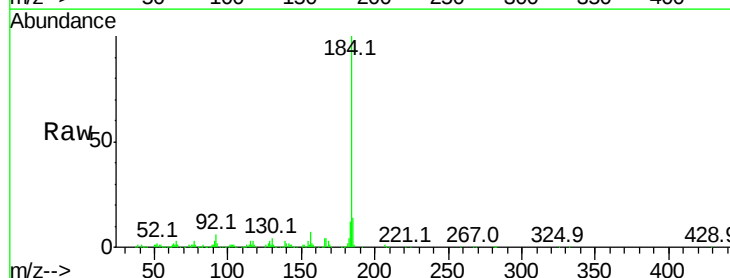
Tgt Ion:184 Resp: 295211

Ion Ratio Lower Upper

184 100

185 14.0 13.0 19.6

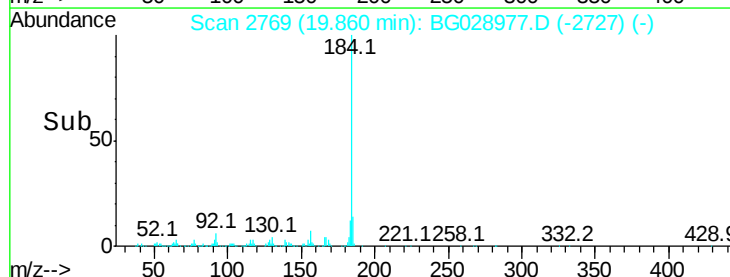
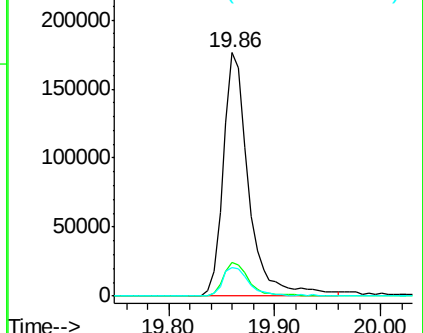
183 11.7 11.0 16.6

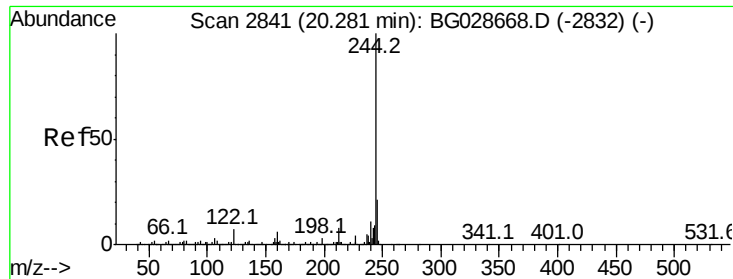


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 88.137 ng

RT: 20.23 min Scan# 2832

Delta R.T. -0.05 min

Lab File: BG028977.D

Acq: 29 Sep 2017 20:16

Instrument :

BNA_G

ClientSampleId :

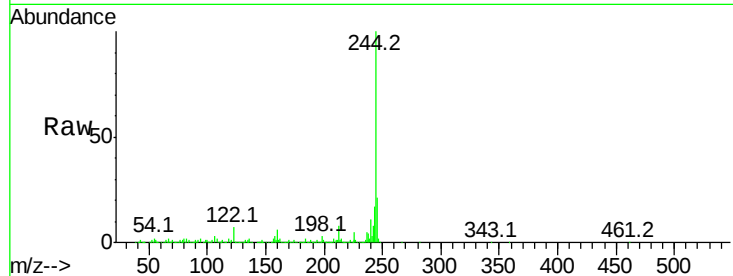
Tot Ion:244 Resp: 1473532

Ion Ratio Lower Upper

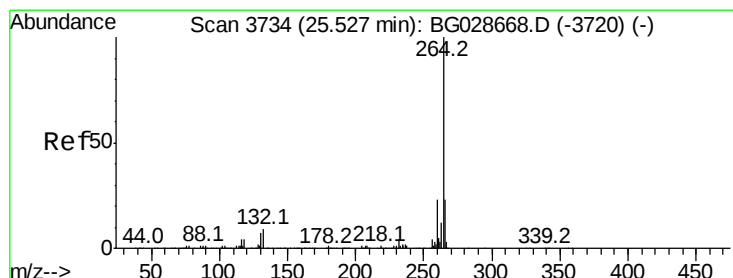
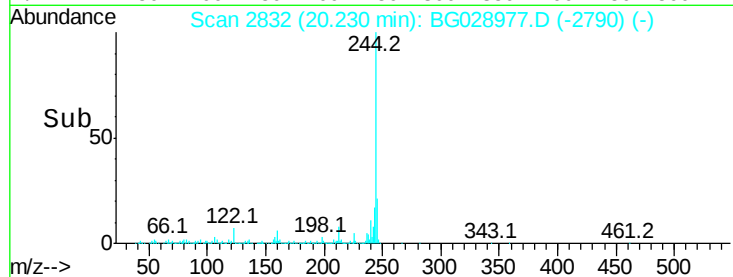
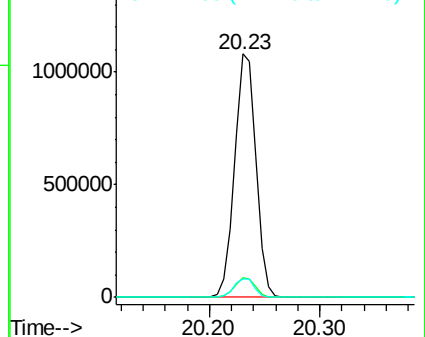
244 100

212 7.8 10.0 15.0#

122 7.5 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: 25.42 min Scan# 3715

Delta R.T. -0.11 min

Lab File: BG028977.D

Acq: 29 Sep 2017 20:16

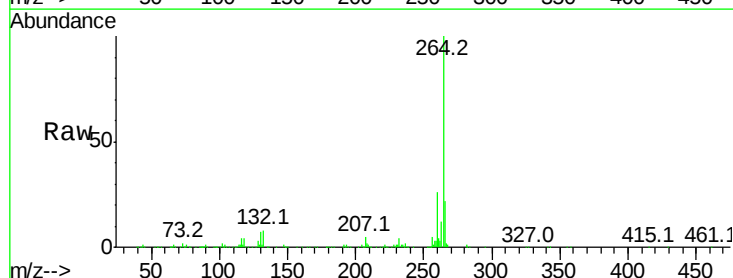
Tgt Ion:264 Resp: 362346

Ion Ratio Lower Upper

264 100

260 26.3 21.8 32.8

265 21.7 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

