

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 :
 20170666-A-C-7

Quant Time: Sep 29 22:42:27 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

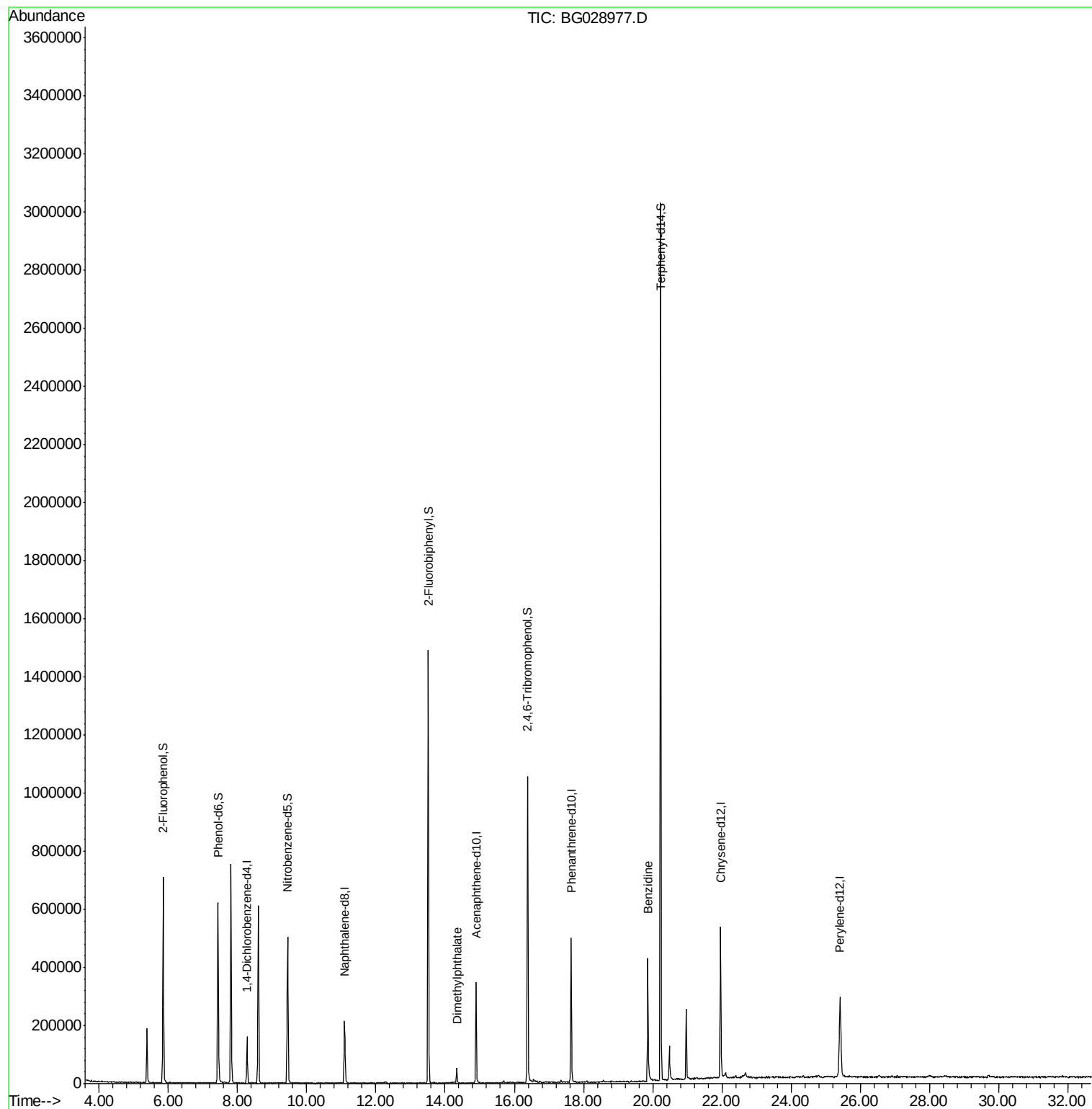
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	42648	20.00	ng	-0.05
21) Naphthalene-d8	11.09	136	176159	20.00	ng	-0.06
38) Acenaphthene-d10	14.90	164	123301	20.00	ng	-0.05
63) Phenanthrene-d10	17.64	188	318259	20.00	ng	-0.05
75) Chrysene-d12	21.96	240	356536	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						
49) Dimethylphthalate	14.34	163	33619	3.252	ng	96
76) Benzidine	19.86	184	295211	31.929	ng	95

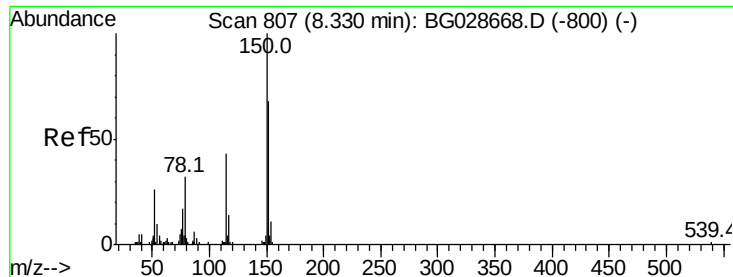
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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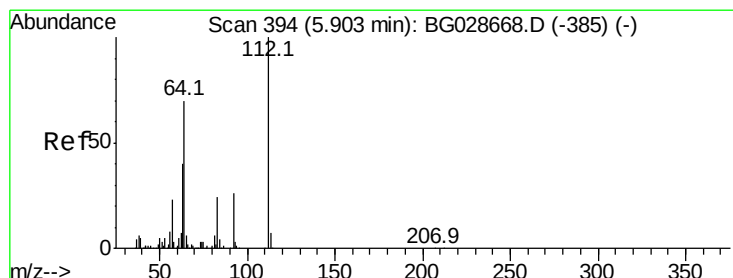
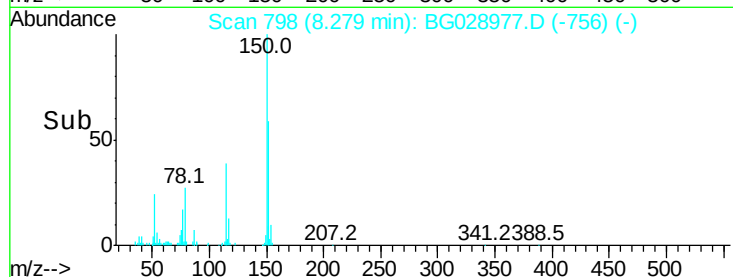
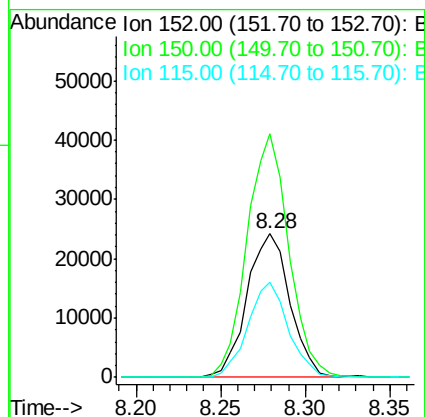
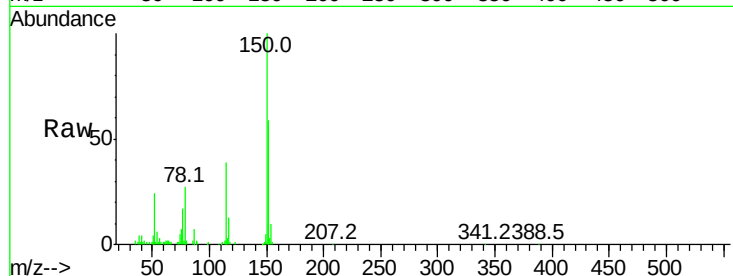


#1

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
ClientSampleId :
20170666-A-C-7

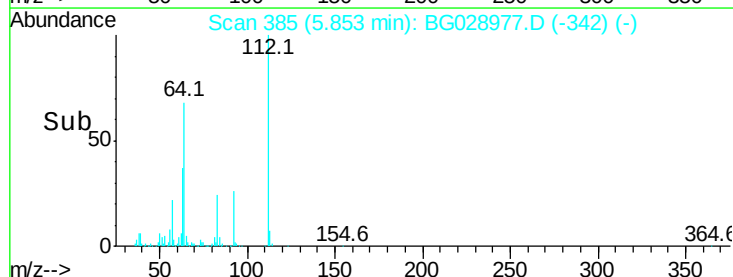
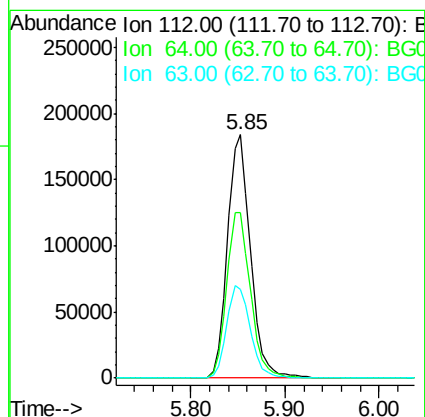
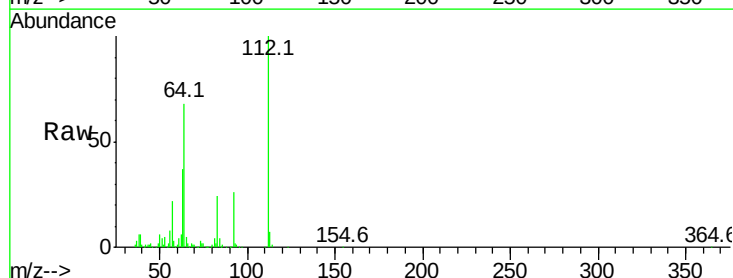
Tot Ion:152 Resp: 42648
Ion Ratio Lower Upper
152 100
150 169.7 114.0 171.0
115 66.7 48.1 72.1

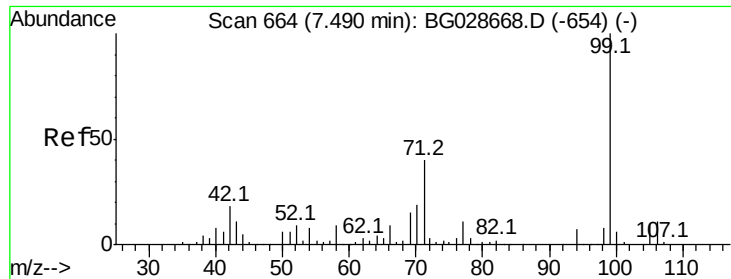


#5

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 :

20170666-A-C-7

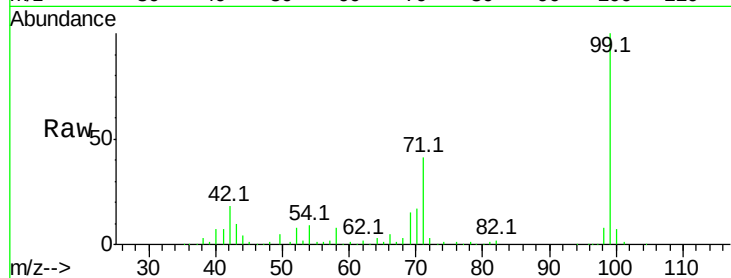
Tot Ion: 99 Resp: 388204

Ion Ratio Lower Upper

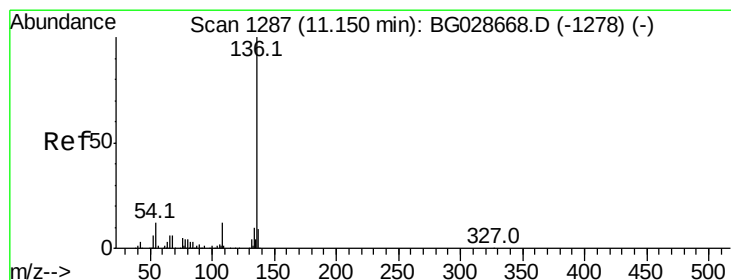
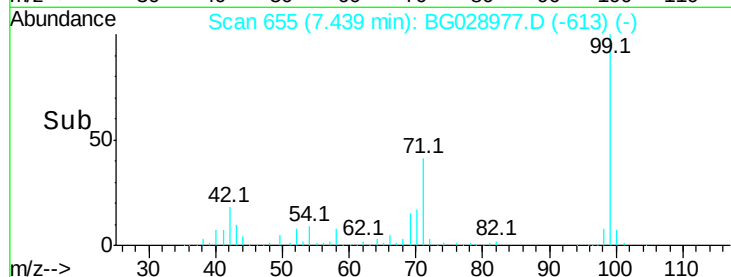
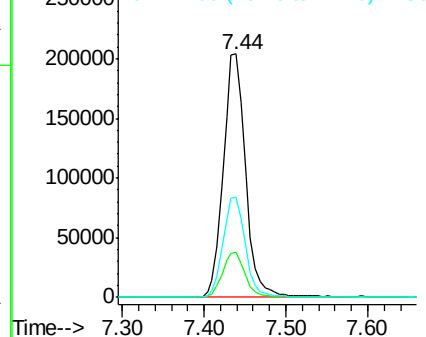
99 100

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

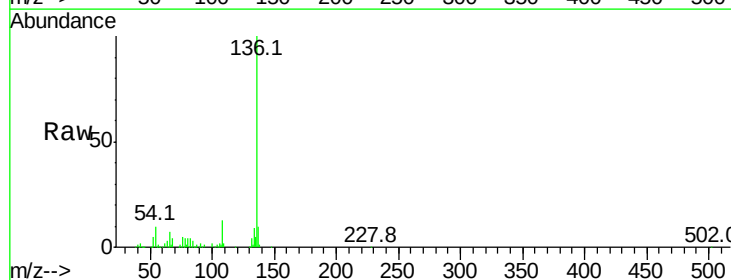
Ion Ratio Lower Upper

136 100

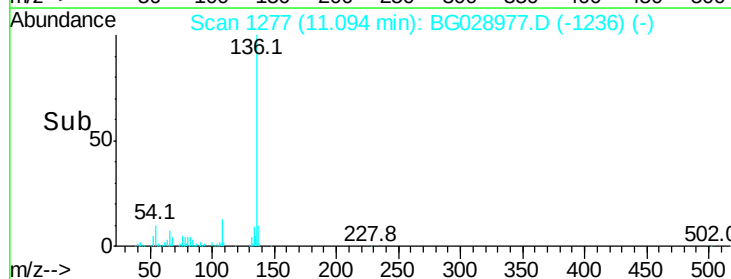
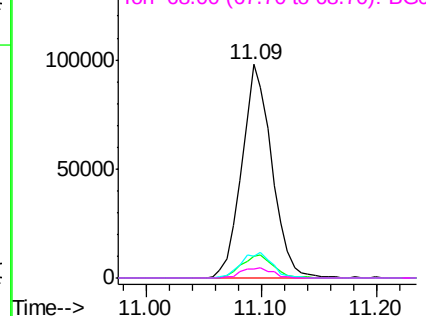
137 10.0 8.9 13.3

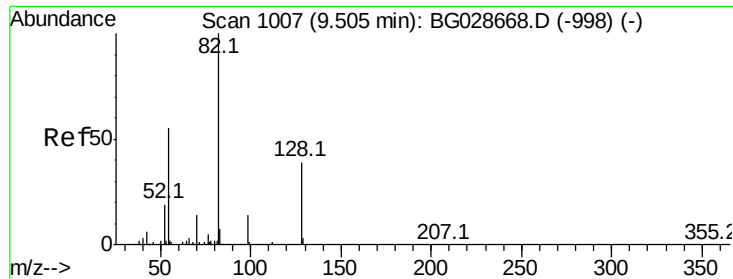
54 10.4 9.3 13.9

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

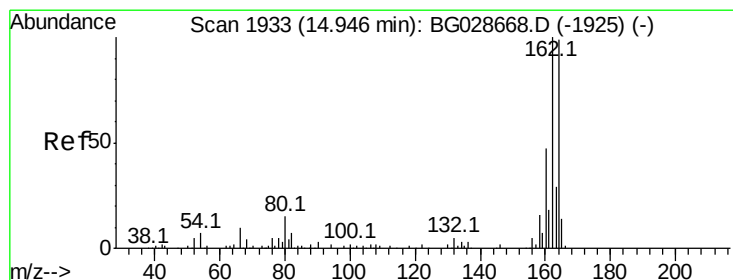
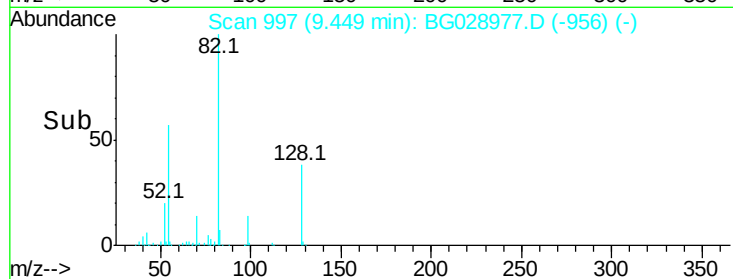
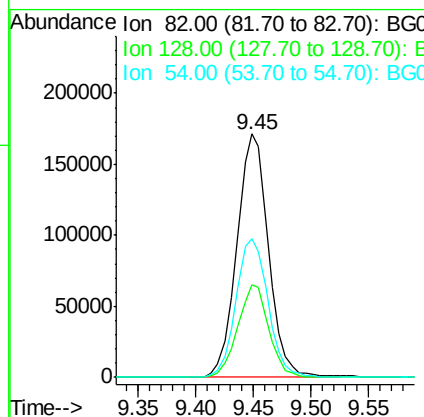
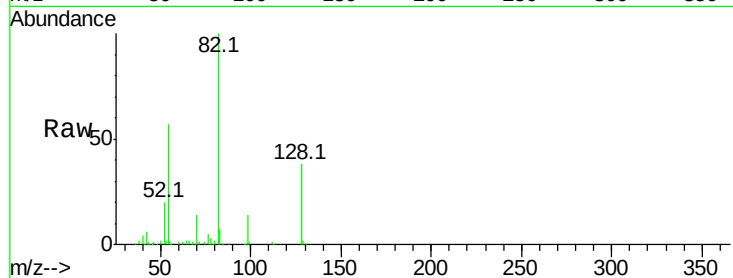




#23
Nitrobenzene-d5
Concen: 87.756 ng
RT: 9.45 min Scan# 997
Delta R.T. -0.06 min
Lab File: BG028977.D
Acq: 29 Sep 2017 20:16

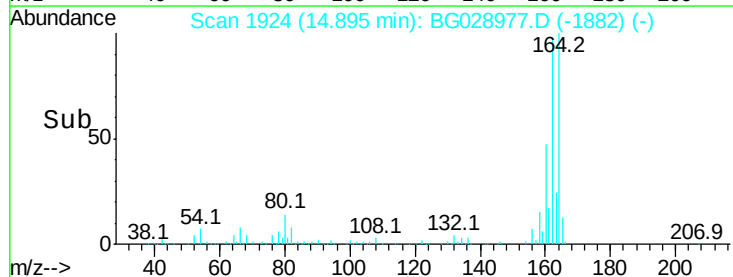
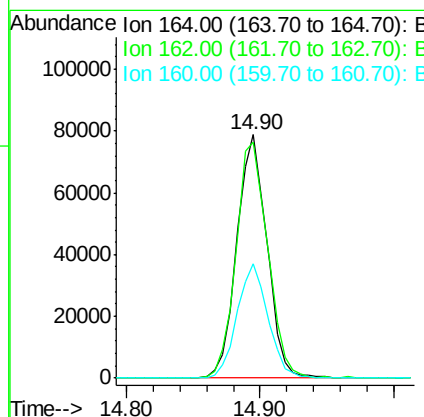
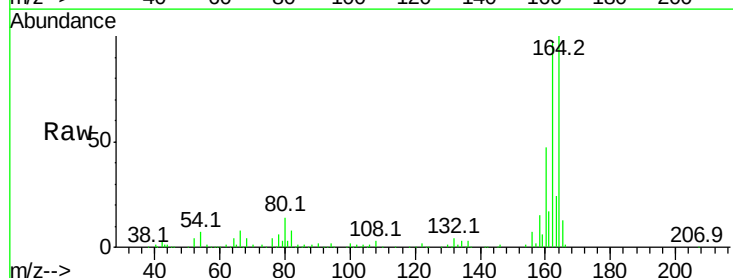
Instrument :
BNA_G
ClientSampleId :
20170666-A-C-7

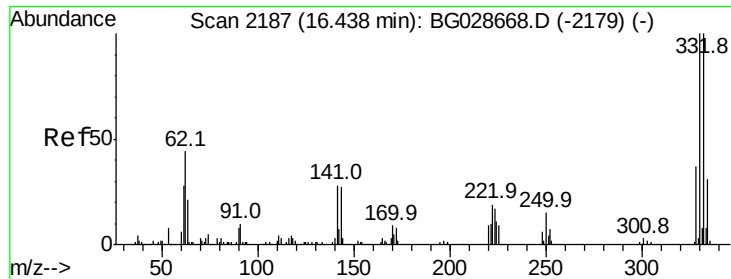
Tot Ion: 82 Resp: 323156
Ion Ratio Lower Upper
82 100
128 38.2 26.4 39.6
54 57.0 49.4 74.2



#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

Tgt Ion: 164 Resp: 123301
Ion Ratio Lower Upper
164 100
162 97.1 85.1 127.7
160 47.2 34.7 52.1

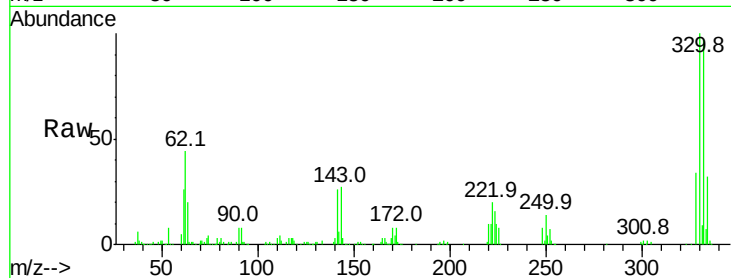




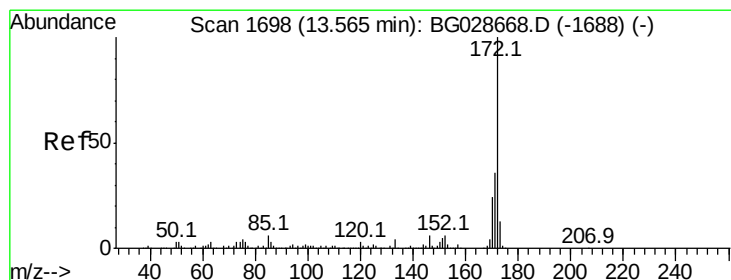
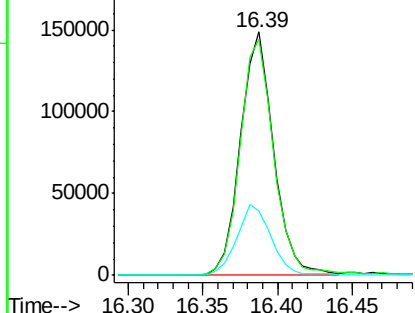
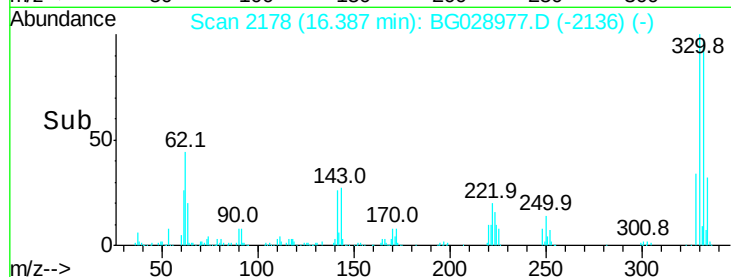
#41
 2,4,6-Tribromophenol
 Concen: 112.366 ng
 RT: 16.39 min Scan# 2178
 Delta R.T. -0.05 min
 Lab File: BG028977.D
 Acq: 29 Sep 2017 20:16

Instrument :
 BNA_G
 ClientSampleId :
 20170666-A-C-7

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.8	77.3	115.9
141	30.4	32.1	48.1#

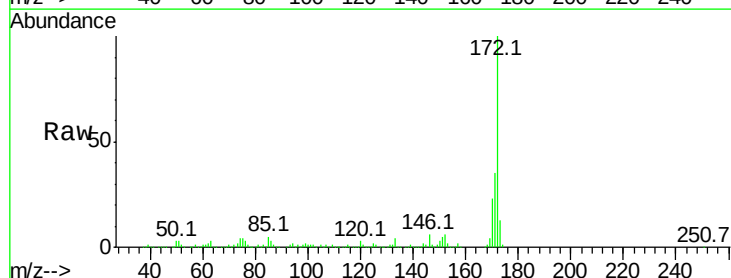


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

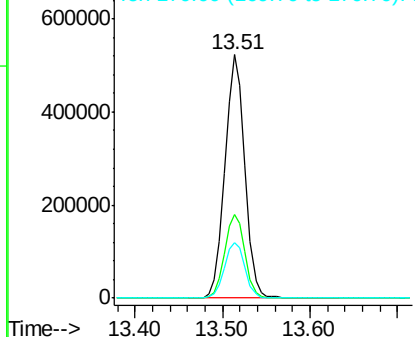
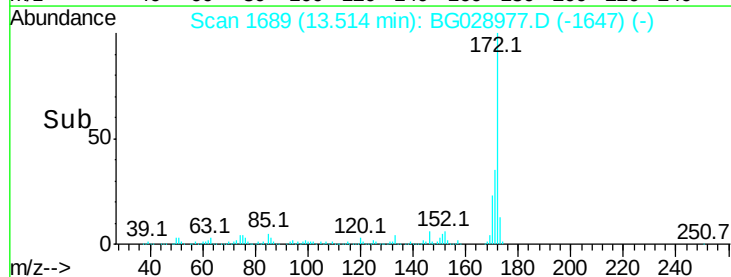


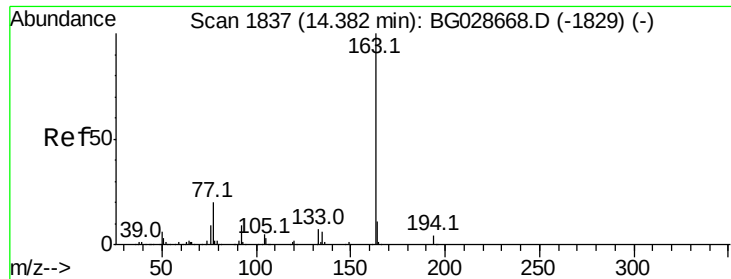
#44
 2-Fluorobiphenyl
 Concen: 88.306 ng
 RT: 13.51 min Scan# 1689
 Delta R.T. -0.05 min
 Lab File: BG028977.D
 Acq: 29 Sep 2017 20:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	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

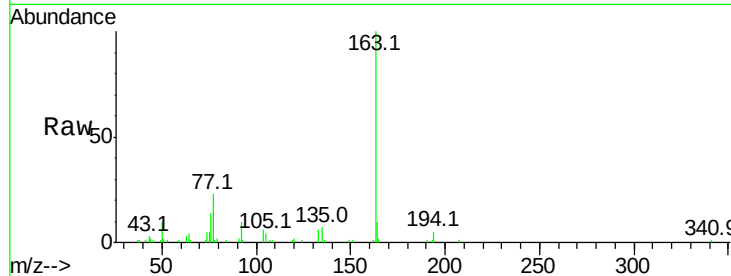




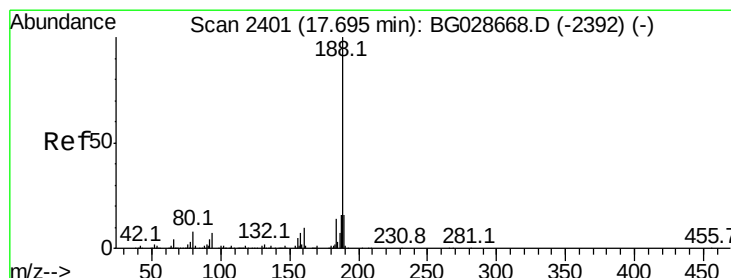
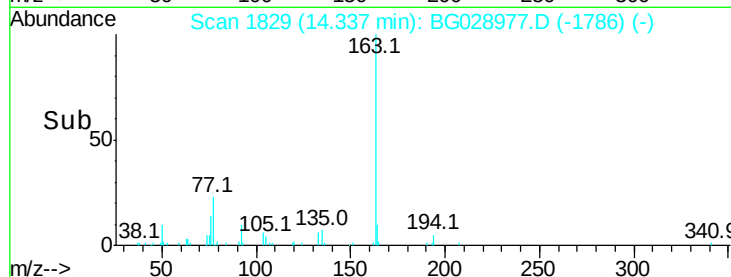
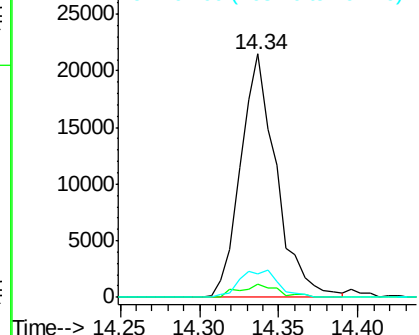
#49
Dimethylphthalate
Concen: 3.252 ng
RT: 14.34 min Scan# 1829
Delta R.T. -0.04 min
Lab File: BG028977.D
Acq: 29 Sep 2017 20:16

Instrument :
BNA_G
ClientSampleId :
20170666-A-C-7

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.8	5.6
164	9.7	9.3	13.9

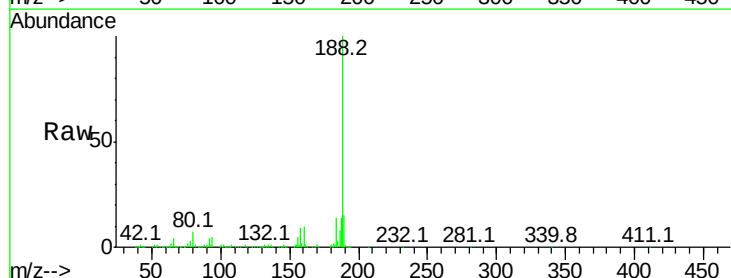


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

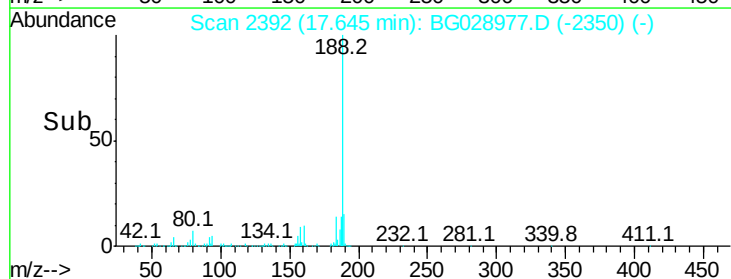
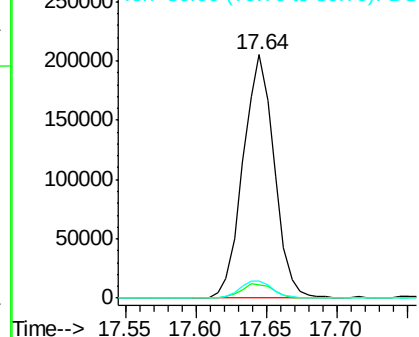


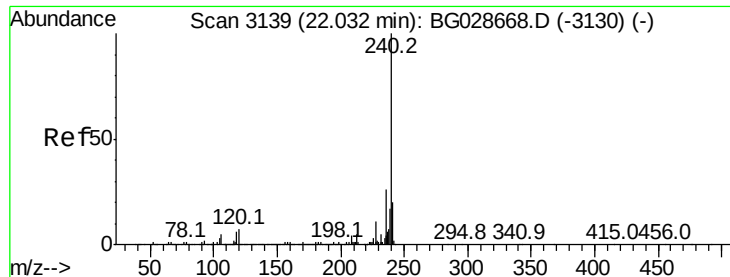
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.64 min Scan# 2392
Delta R.T. -0.05 min
Lab File: BG028977.D
Acq: 29 Sep 2017 20:16

Tgt Ion	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 :

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ClientSampleId :

20170666-A-C-7

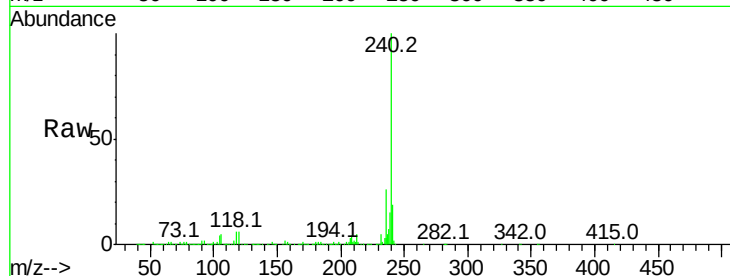
Tot Ion:240 Resp: 356536

Ion Ratio Lower Upper

240 100

120 5.7 5.7 8.5

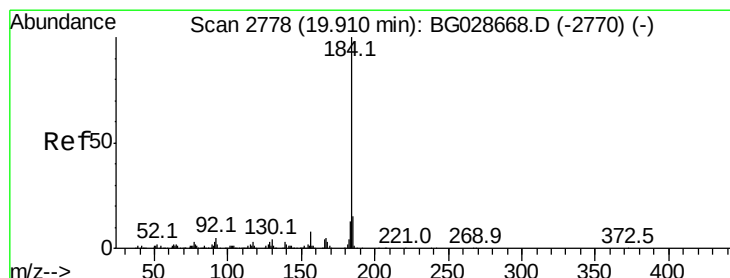
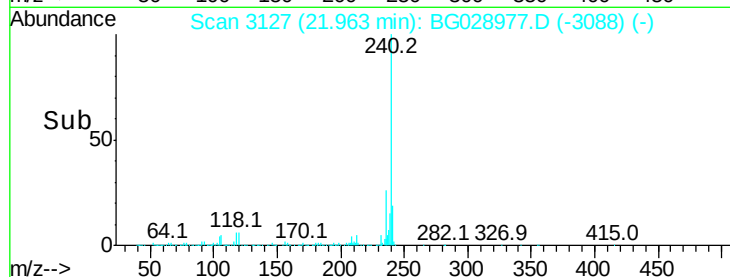
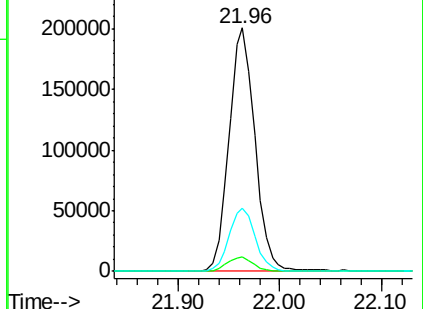
236 25.9 22.2 33.4



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

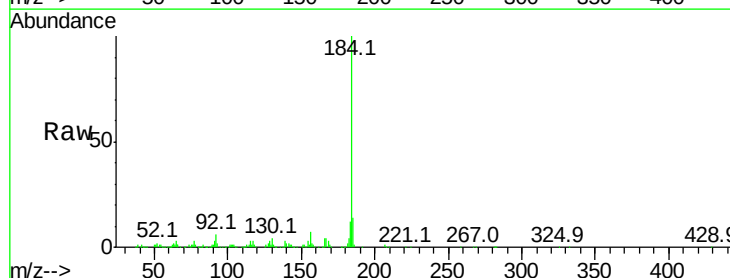
Tgt Ion:184 Resp: 295211

Ion Ratio Lower Upper

184 100

185 14.0 13.0 19.6

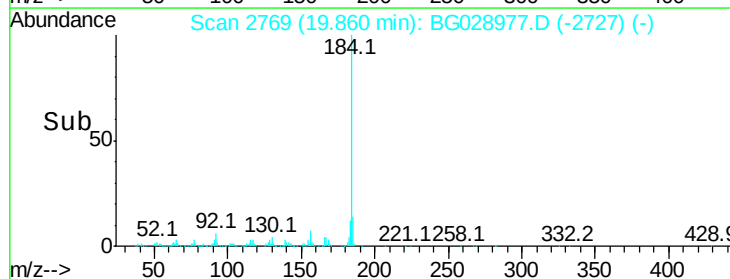
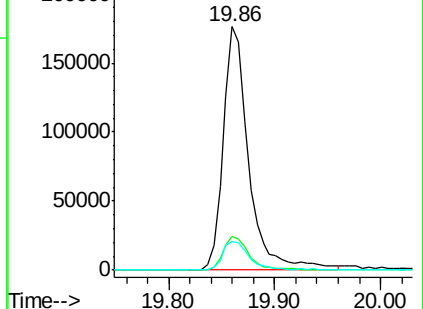
183 11.7 11.0 16.6

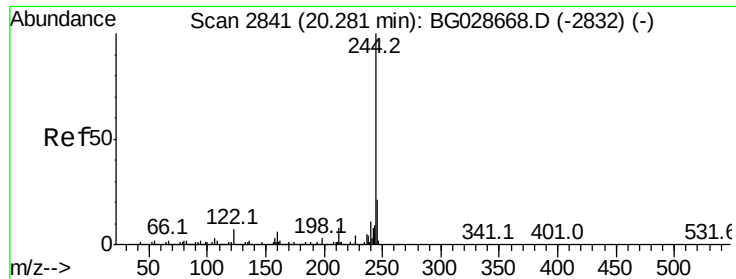


Abundance Ion 184.00 (183.70 to 184.70): E

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

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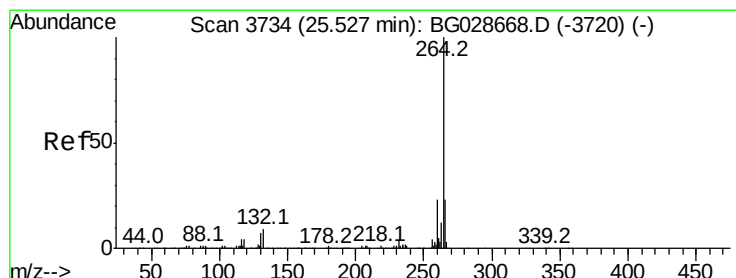
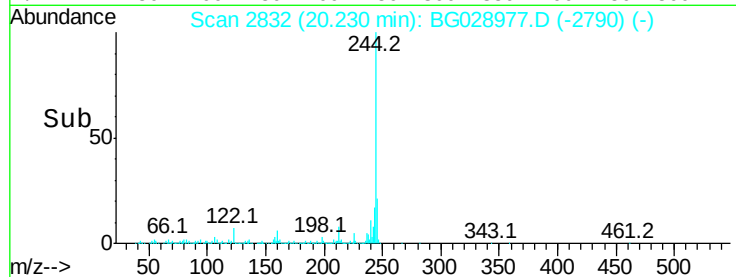
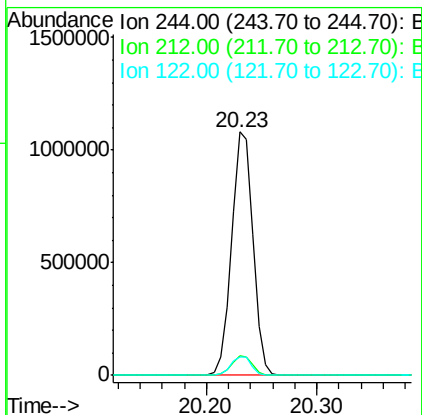
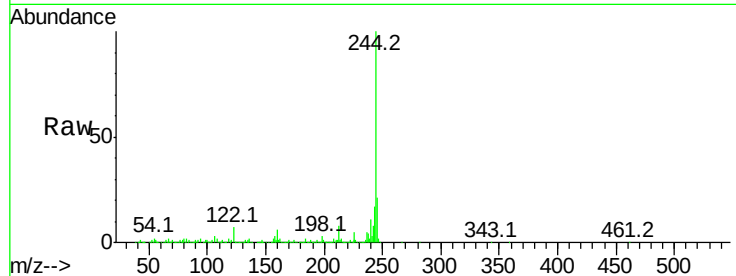
Tot Ion:244 Resp: 1473532

Ion Ratio Lower Upper

244 100

212 7.8 10.0 15.0#

122 7.5 8.6 12.8#



#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

