

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071017\
 Data File : BG027911.D
 Acq On : 11 Jul 2017 9:40
 Operator : SJ/JU
 Sample : I4084-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 11 13:16:52 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 17:43:21 2017
 Response via : Initial Calibration

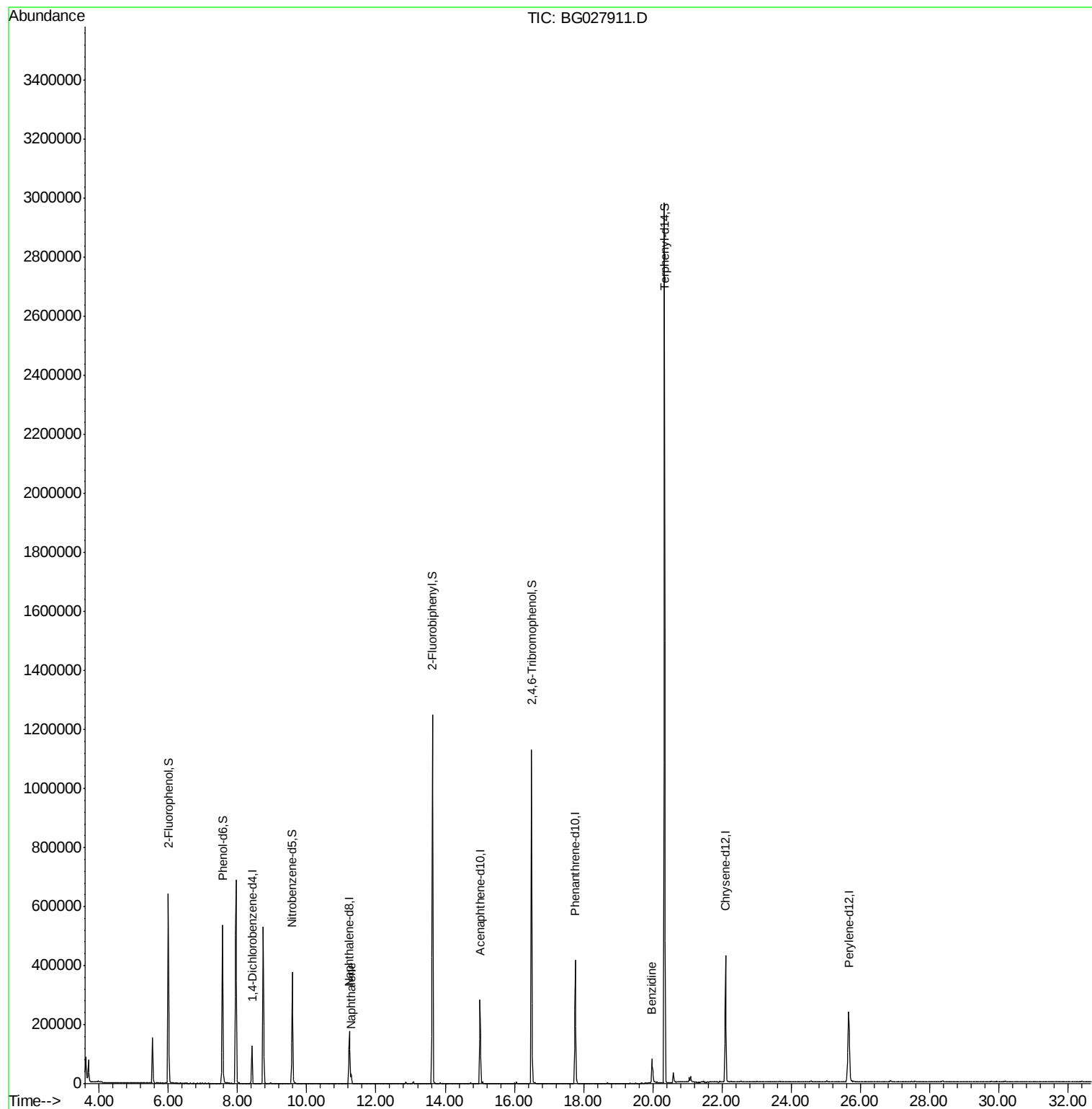
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	42914	20.00	ng	0.00
21) Naphthalene-d8	11.23	136	181803	20.00	ng	-0.01
38) Acenaphthene-d10	15.01	164	102888	20.00	ng	-0.01
63) Phenanthrene-d10	17.76	188	269613	20.00	ng	-0.01
75) Chrysene-d12	22.10	240	299146	20.00	ng	-0.03
86) Perylene-d12	25.66	264	291145	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	6.00	112	367064	131.72	ng	0.00
7) Phenol-d6	7.57	99	445642	104.68	ng	0.00
23) Nitrobenzene-d5	9.58	82	272494	83.55	ng	-0.01
41) 2,4,6-Tribromophenol	16.50	330	276070	195.62	ng	-0.02
44) 2-Fluorobiphenyl	13.64	172	720644	100.03	ng	-0.01
78) Terphenyl-d14	20.34	244	1392391	109.12	ng	-0.01
Target Compounds						
31) Naphthalene	11.28	128	34347	3.553	ng	96
76) Benzidine	19.97	184	80207	13.726	ng	96

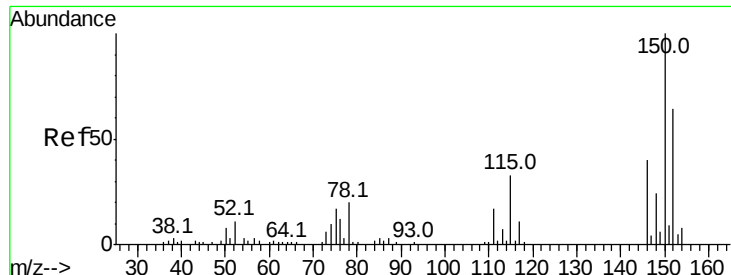
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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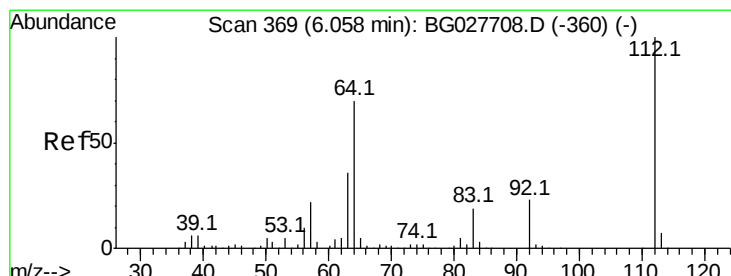
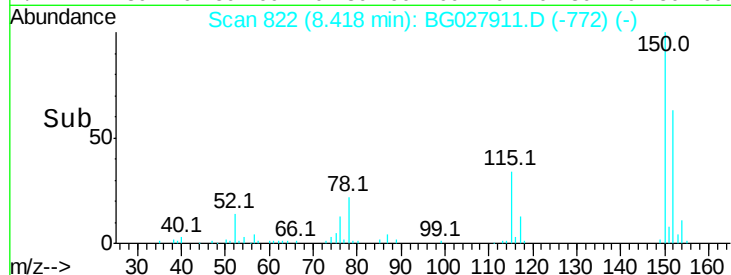
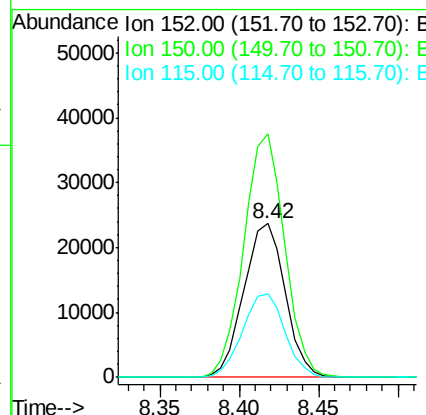
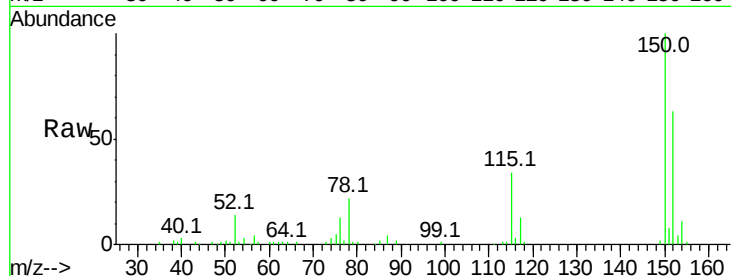




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.42 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: BG027911.D
 Acq: 11 Jul 2017 9:40

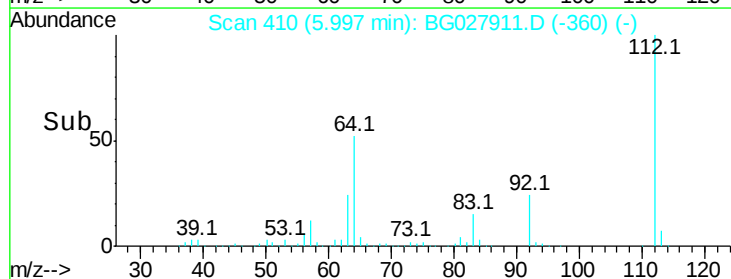
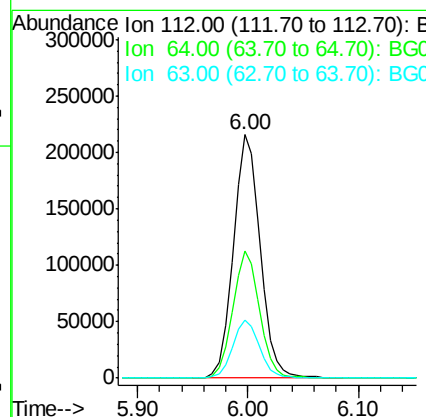
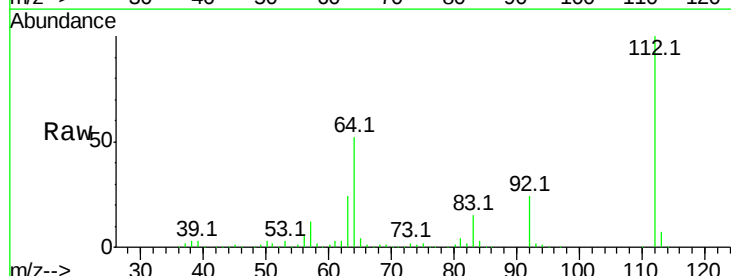
Instrument :
 BNA_G
 ClientSampled :

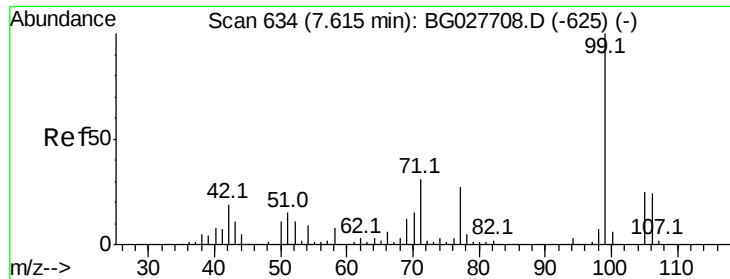
Tot Ion:152 Resp: 42914
 Ion Ratio Lower Upper
 152 100
 150 158.4 114.0 171.0
 115 54.5 48.1 72.1



#5
 2-Fluorophenol
 Concen: 131.716 ng
 RT: 6.00 min Scan# 410
 Delta R.T. -0.01 min
 Lab File: BG027911.D
 Acq: 11 Jul 2017 9:40

Tgt Ion:112 Resp: 367064
 Ion Ratio Lower Upper
 112 100
 64 52.3 61.8 92.6#
 63 23.8 37.2 55.8#





#7

Phenol-d6

Concen: 104.676 ng

RT: 7.57 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG027911.D

Acq: 11 Jul 2017 9:40

Instrument :

BNA_G

ClientSampleId :

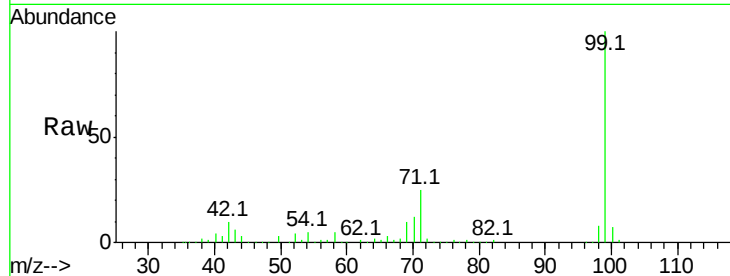
Tot Ion: 99 Resp: 445642

Ion Ratio Lower Upper

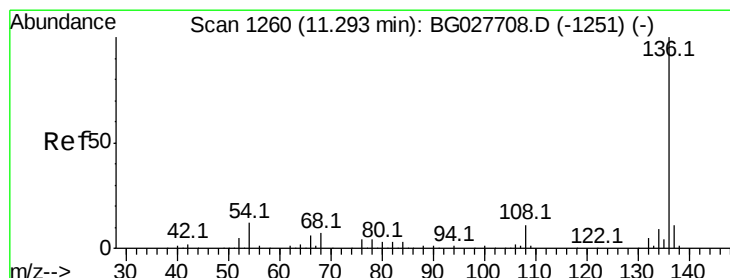
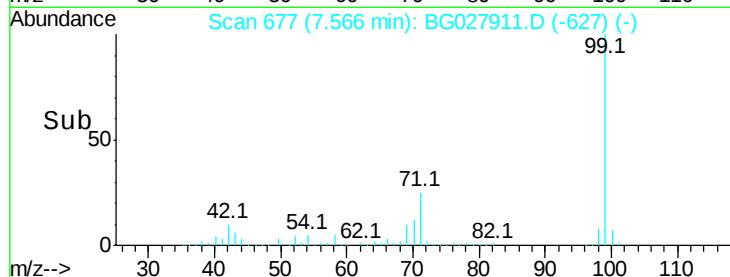
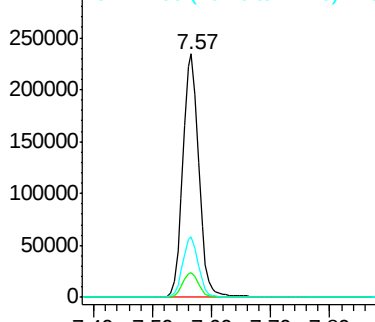
99 100

42 10.3 20.5 30.7#

71 24.8 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: 11.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BG027911.D

Acq: 11 Jul 2017 9:40

Tgt Ion: 136 Resp: 181803

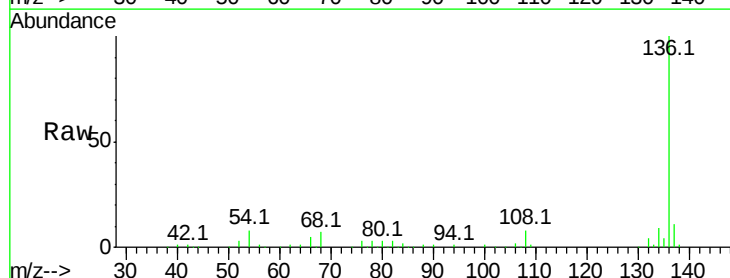
Ion Ratio Lower Upper

136 100

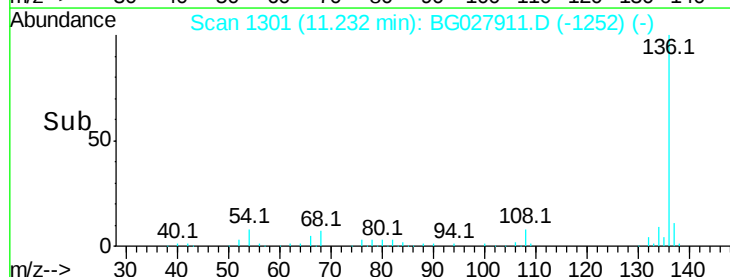
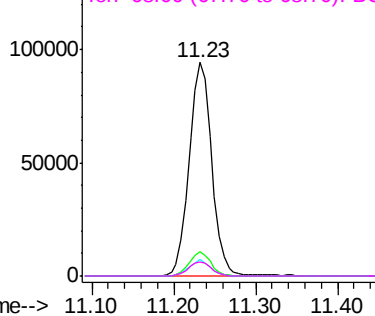
137 11.3 8.9 13.3

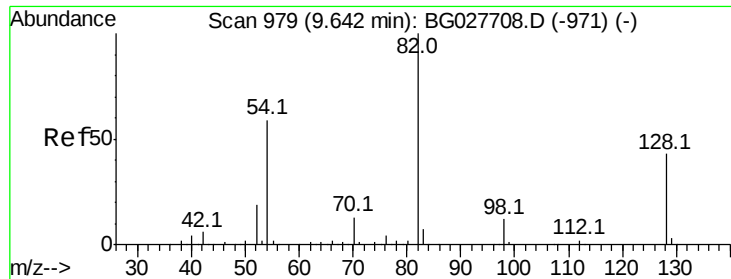
54 7.5 9.3 13.9#

68 6.9 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

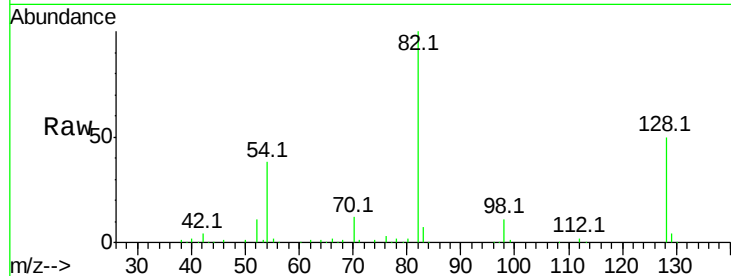




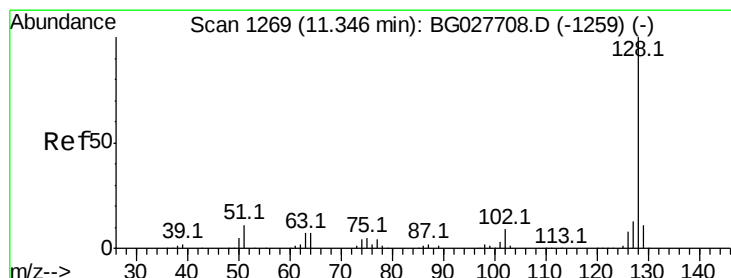
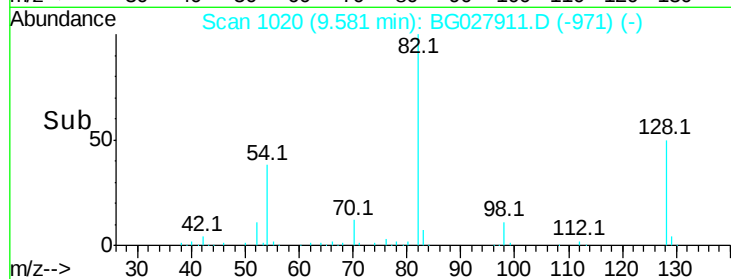
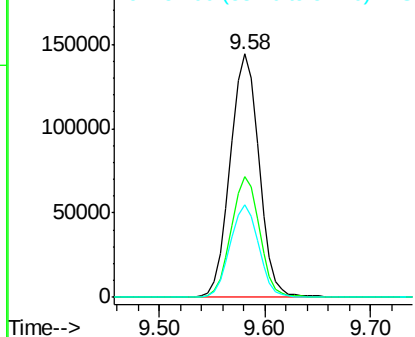
#23
Nitrobenzene-d5
Concen: 83.547 ng
RT: 9.58 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BG027911.D
Acq: 11 Jul 2017 9:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 272494
Ion Ratio Lower Upper
82 100
128 49.7 26.4 39.6#
54 38.0 49.4 74.2#

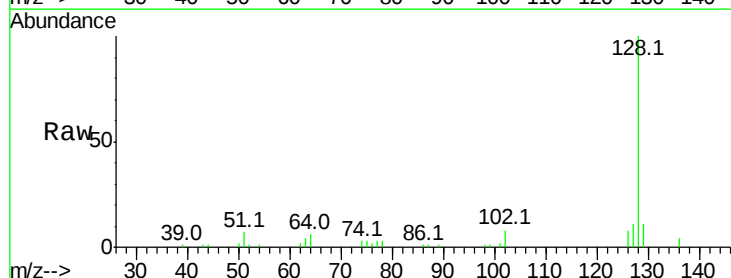


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

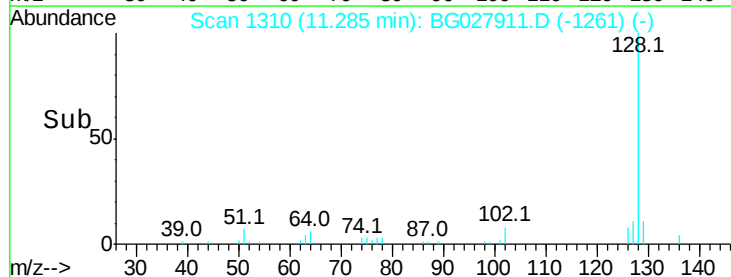
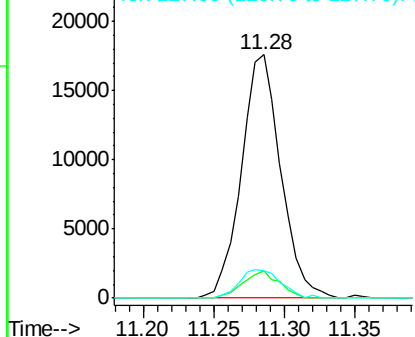


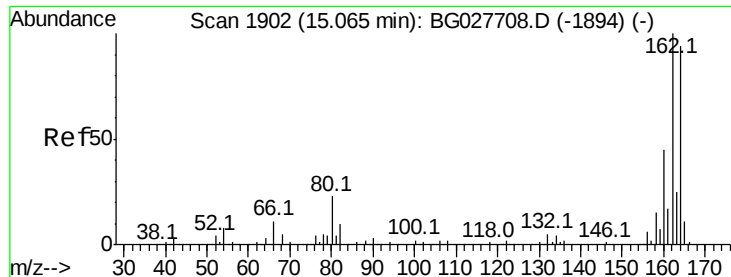
#31
Naphthalene
Concen: 3.553 ng
RT: 11.28 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BG027911.D
Acq: 11 Jul 2017 9:40

Tgt Ion: 128 Resp: 34347
Ion Ratio Lower Upper
128 100
129 11.3 9.3 13.9
127 11.4 11.4 17.0



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.01 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG027911.D

Acq: 11 Jul 2017 9:40

Instrument :

BNA_G

ClientSampleId :

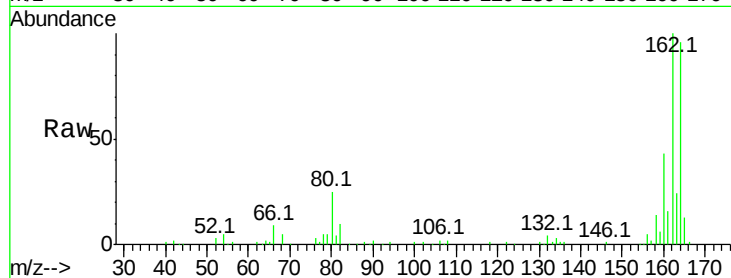
Tot Ion:164 Resp: 102888

Ion Ratio Lower Upper

164 100

162 104.4 85.1 127.7

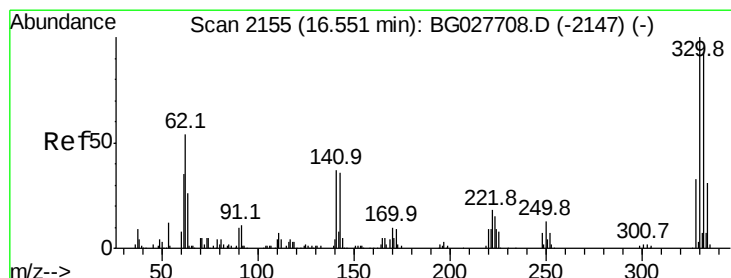
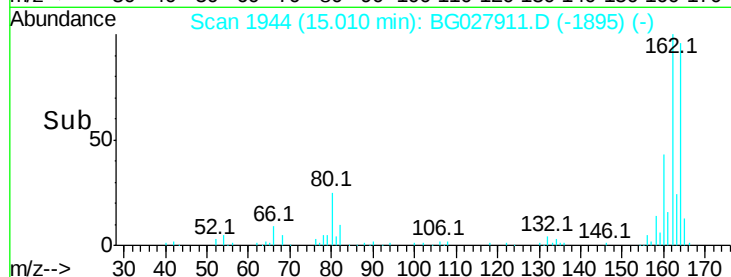
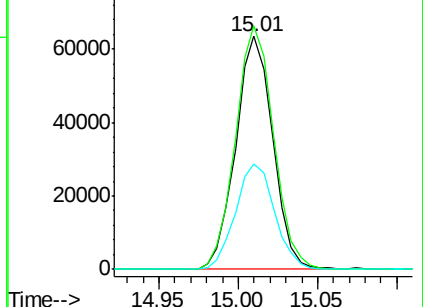
160 45.2 34.7 52.1



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: 195.625 ng

RT: 16.50 min Scan# 2197

Delta R.T. -0.02 min

Lab File: BG027911.D

Acq: 11 Jul 2017 9:40

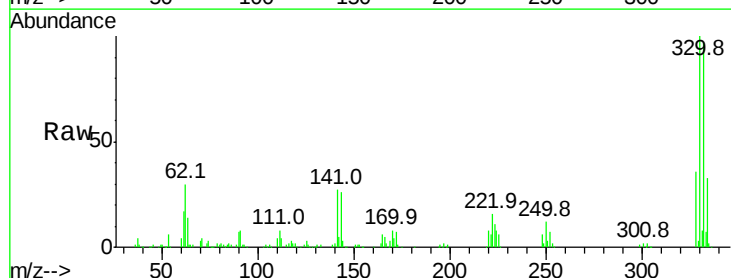
Tgt Ion:330 Resp: 276070

Ion Ratio Lower Upper

330 100

332 97.3 77.3 115.9

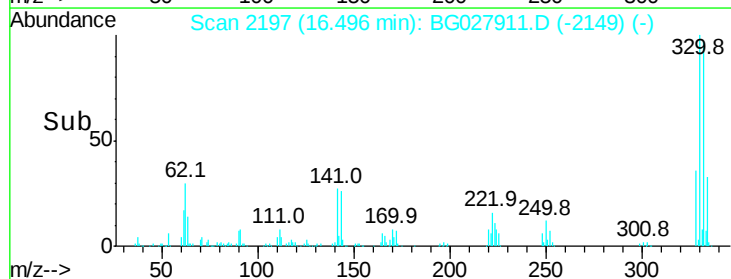
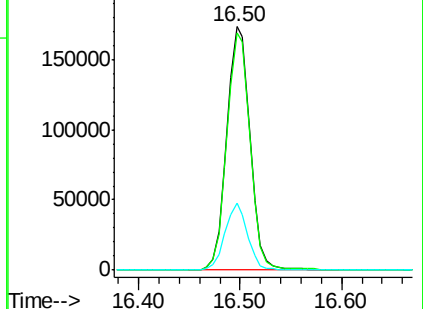
141 26.6 32.1 48.1#

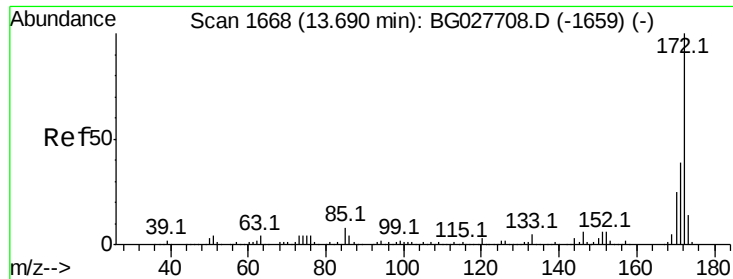


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

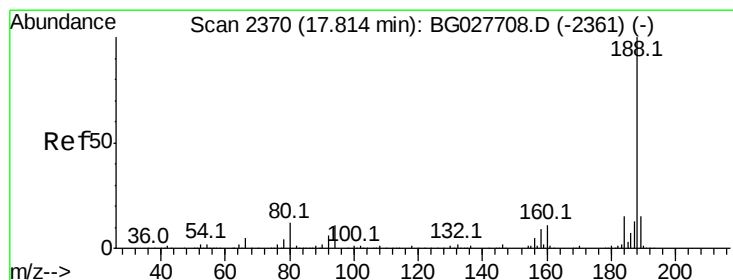
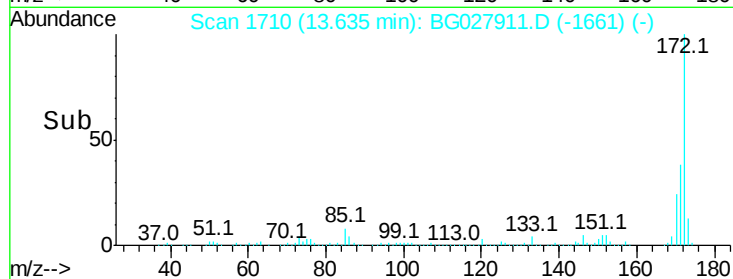
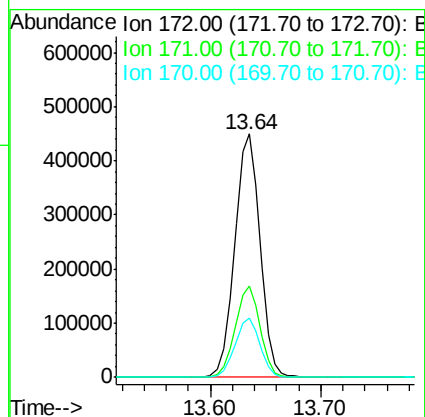
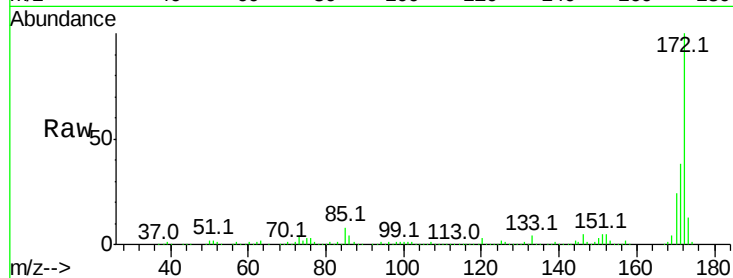




#44
 2-Fluorobiphenyl
 Concen: 100.031 ng
 RT: 13.64 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG027911.D
 Acq: 11 Jul 2017 9:40

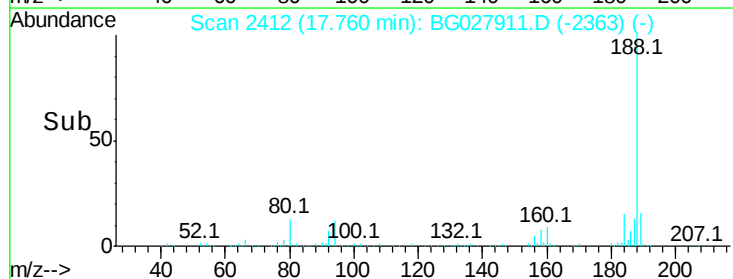
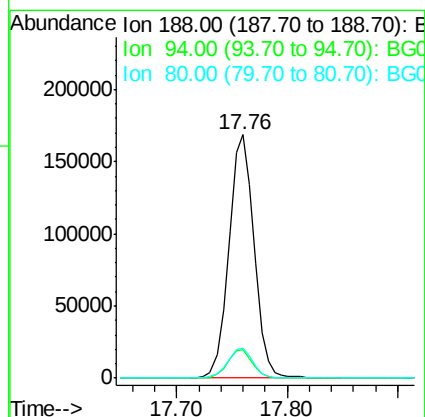
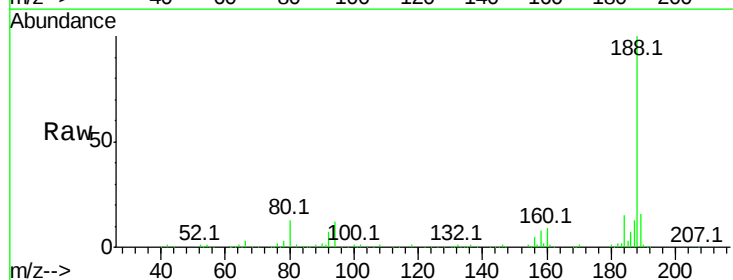
Instrument :
 BNA_G
 ClientSampleId :

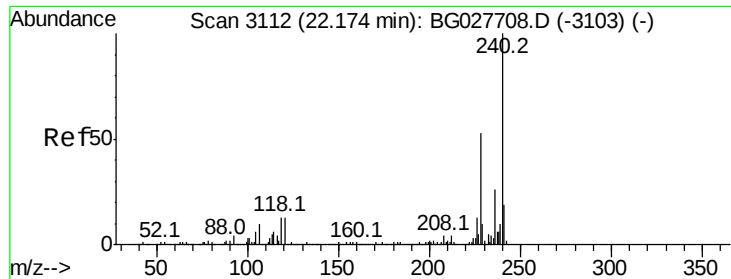
Tot Ion:172 Resp: 720644
 Ion Ratio Lower Upper
 172 100
 171 37.5 32.2 48.2
 170 24.2 21.8 32.6



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.76 min Scan# 2412
 Delta R.T. -0.01 min
 Lab File: BG027911.D
 Acq: 11 Jul 2017 9:40

Tgt Ion:188 Resp: 269613
 Ion Ratio Lower Upper
 188 100
 94 11.7 5.8 8.8#
 80 12.5 7.5 11.3#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.10 min Scan# 3151

Delta R.T. -0.03 min

Lab File: BG027911.D

Acq: 11 Jul 2017 9:40

Instrument :

BNA_G

ClientSampleId :

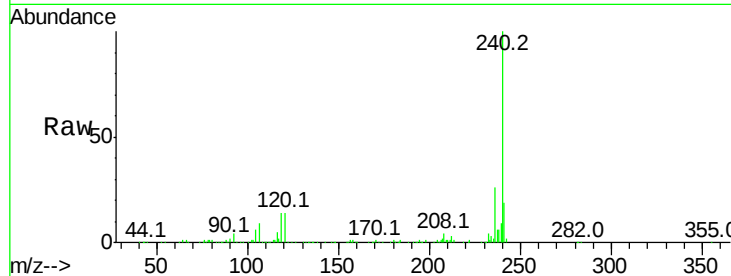
Tot Ion:240 Resp: 299146

Ion Ratio Lower Upper

240 100

120 14.2 5.7 8.5#

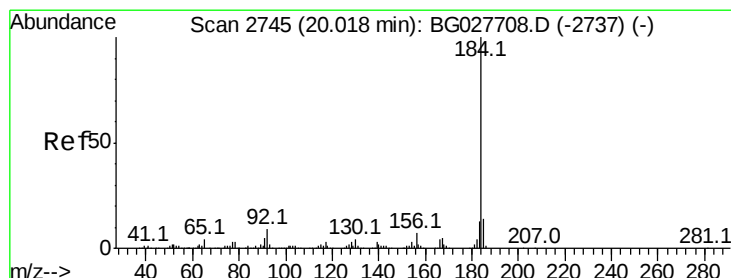
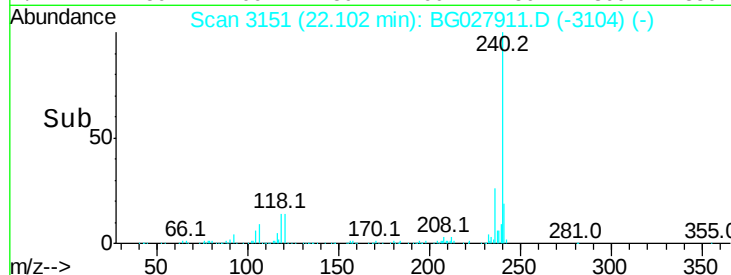
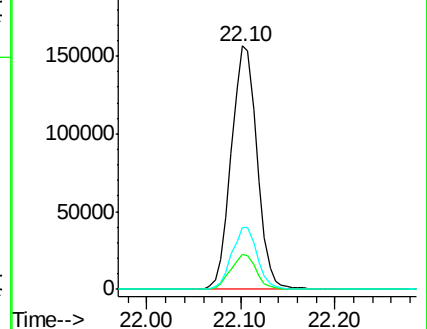
236 25.7 22.2 33.4



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: 13.726 ng

RT: 19.97 min Scan# 2789

Delta R.T. -0.01 min

Lab File: BG027911.D

Acq: 11 Jul 2017 9:40

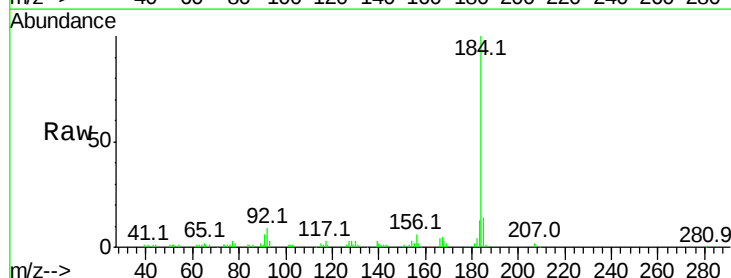
Tgt Ion:184 Resp: 80207

Ion Ratio Lower Upper

184 100

185 13.9 13.0 19.6

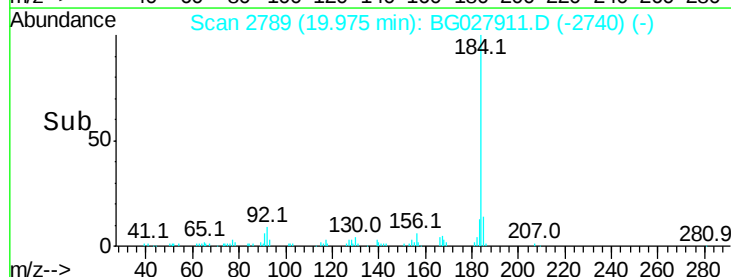
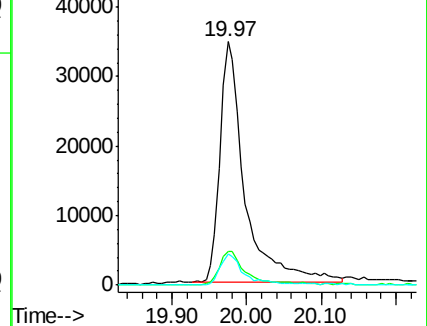
183 12.7 11.0 16.6

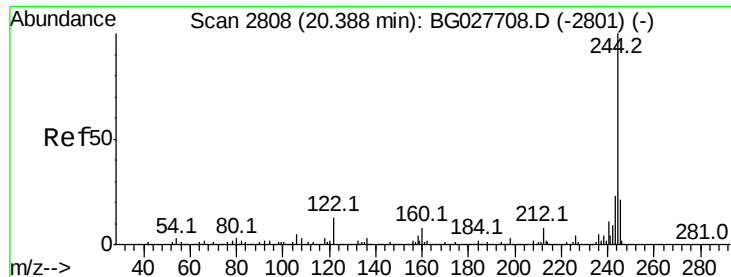


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 109.120 ng

RT: 20.34 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG027911.D

Acq: 11 Jul 2017 9:40

Instrument :

BNA_G

ClientSampled :

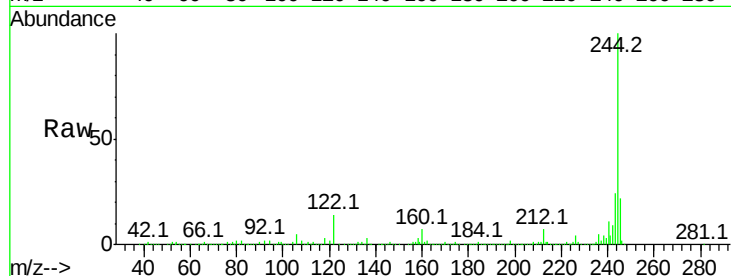
Tot Ion:244 Resp: 1392391

Ion Ratio Lower Upper

244 100

212 6.7 10.0 15.0#

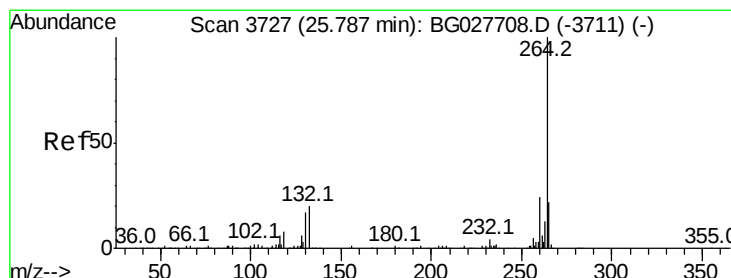
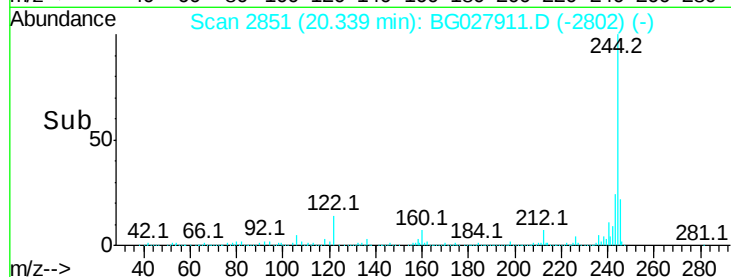
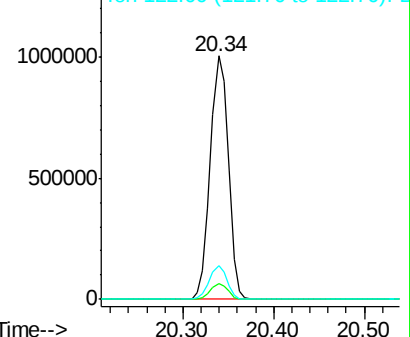
122 13.9 8.6 12.8#



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: 25.66 min Scan# 3757

Delta R.T. -0.04 min

Lab File: BG027911.D

Acq: 11 Jul 2017 9:40

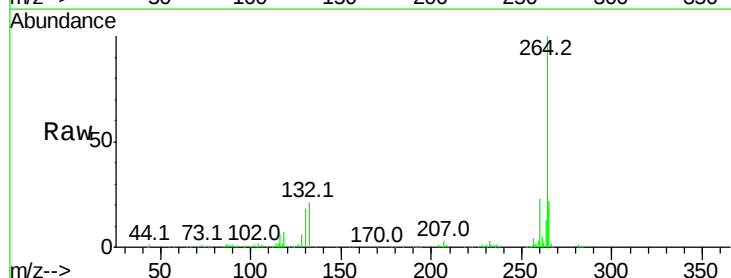
Tgt Ion:264 Resp: 291145

Ion Ratio Lower Upper

264 100

260 23.4 21.8 32.8

265 22.0 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

