

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092717\
 Data File : BG028950.D
 Acq On : 27 Sep 2017 19:44
 Operator : SJ/JU
 Sample : I5423-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SA-06-092517-A

Quant Time: Sep 28 01:27:31 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

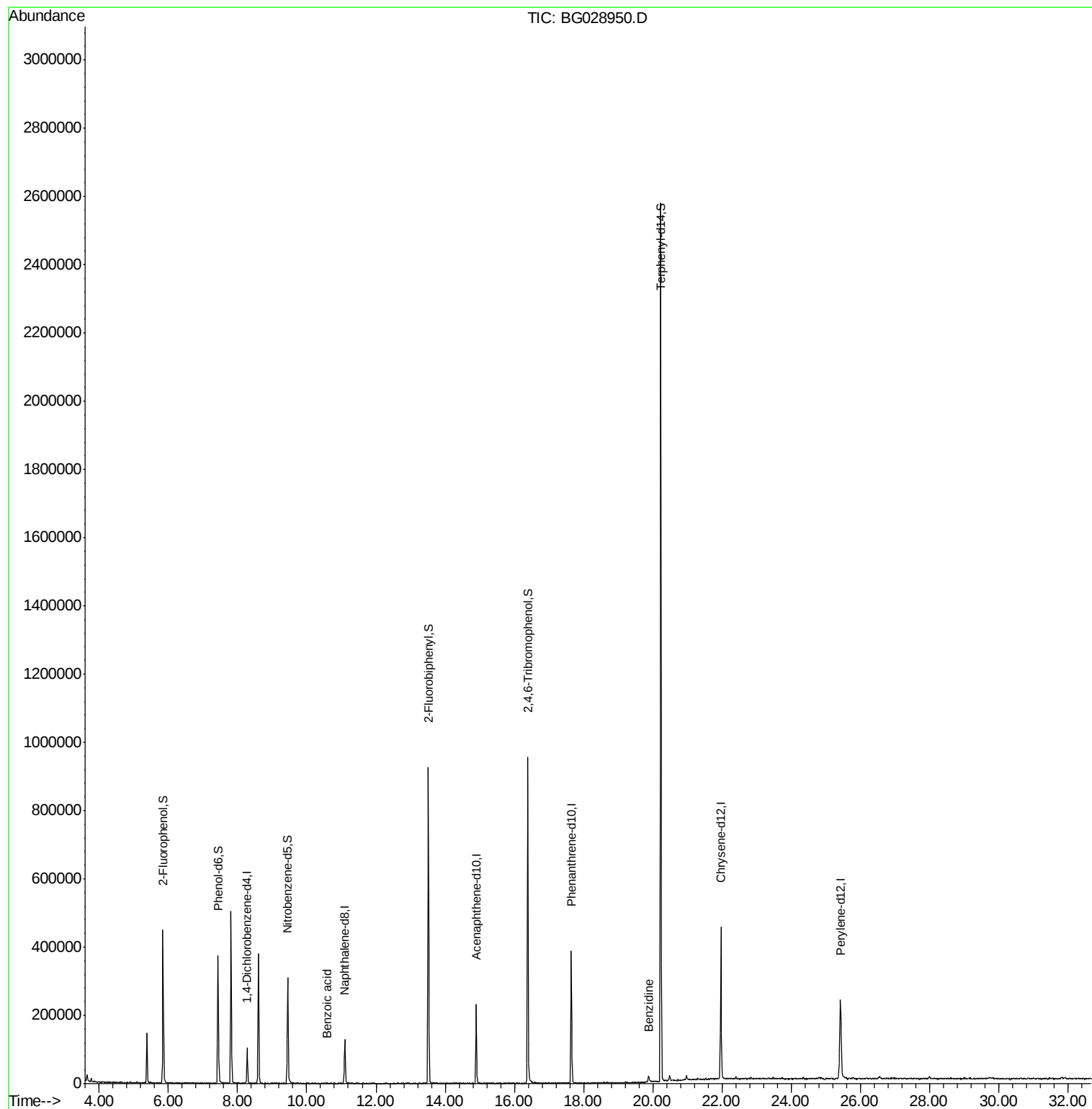
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	28906	20.00	ng	-0.05
21) Naphthalene-d8	11.10	136	112571	20.00	ng	-0.05
38) Acenaphthene-d10	14.90	164	84793	20.00	ng	-0.05
63) Phenanthrene-d10	17.65	188	252895	20.00	ng	-0.05
75) Chrysene-d12	21.97	240	296173	20.00	ng	-0.07
86) Perylene-d12	25.43	264	300147	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.84	112	198265	113.18	ng	-0.06
7) Phenol-d6	7.44	99	231127	87.63	ng	-0.05
23) Nitrobenzene-d5	9.45	82	198600	84.40	ng	-0.05
41) 2,4,6-Tribromophenol	16.38	330	209155	149.14	ng	-0.05
44) 2-Fluorobiphenyl	13.52	172	508616	79.98	ng	-0.05
78) Terphenyl-d14	20.23	244	1221297	87.94	ng	-0.05
Target Compounds						
32) Benzoic acid	10.59	122	58	6.121	ng	Qvalue # 1
76) Benzidine	19.89	184	17041	2.219	ng	100

(#) = 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: BG028950.D

Acq: 27 Sep 2017 19:44

Instrument :

BNA_G

ClientSampleId :

SA-06-092517-A

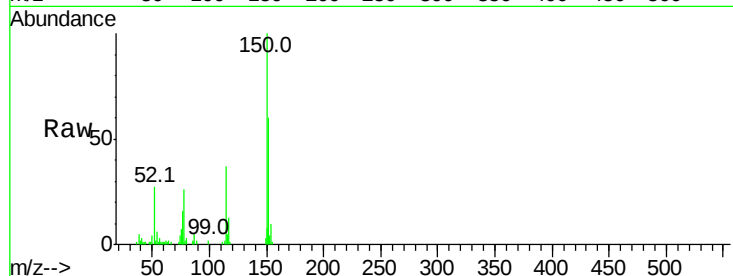
Tot Ion:152 Resp: 28906

Ion Ratio Lower Upper

152 100

150 167.2 114.0 171.0

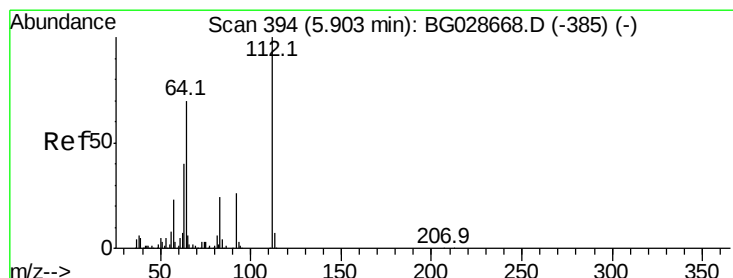
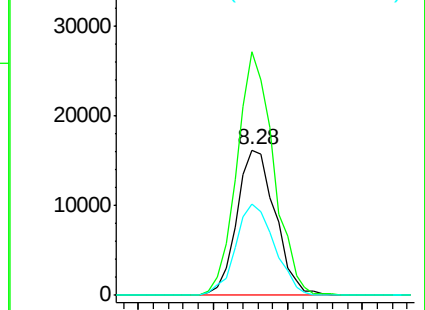
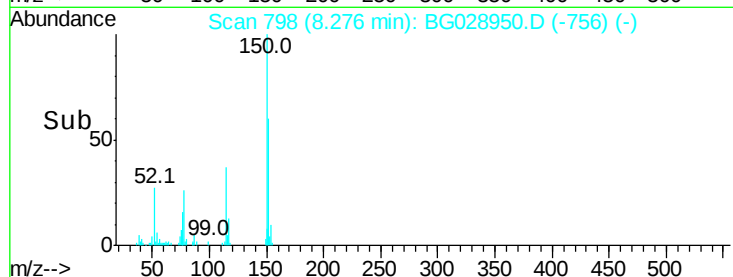
115 62.5 48.1 72.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 113.176 ng

RT: 5.84 min Scan# 384

Delta R.T. -0.06 min

Lab File: BG028950.D

Acq: 27 Sep 2017 19:44

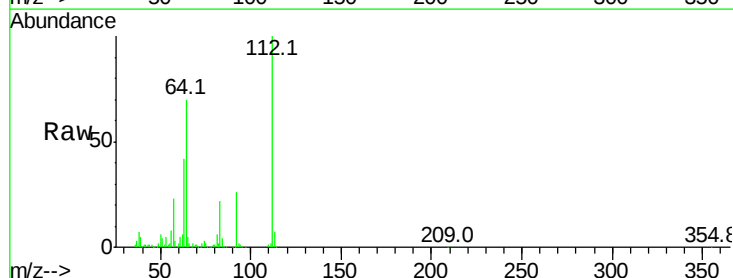
Tgt Ion:112 Resp: 198265

Ion Ratio Lower Upper

112 100

64 69.6 61.8 92.6

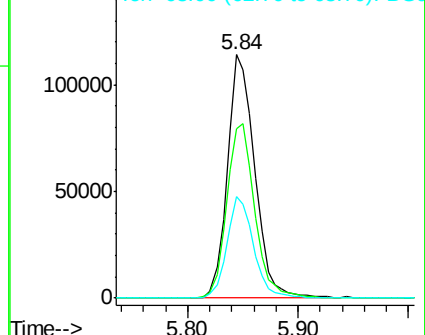
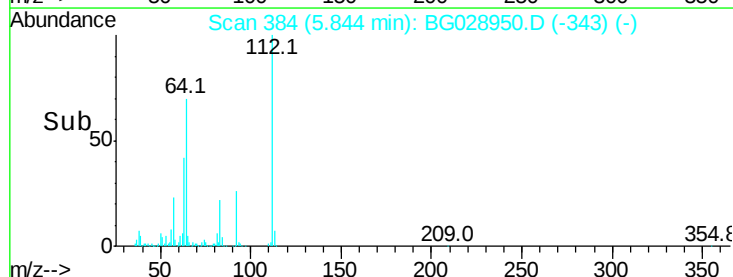
63 41.8 37.2 55.8

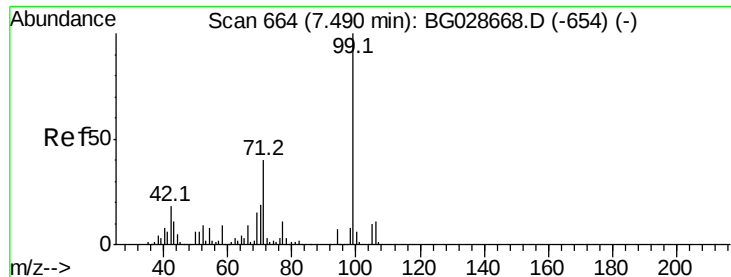


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 87.628 ng

RT: 7.44 min Scan# 655

Delta R.T. -0.05 min

Lab File: BG028950.D

Acq: 27 Sep 2017 19:44

Instrument :

BNA_G

ClientSampleId :

SA-06-092517-A

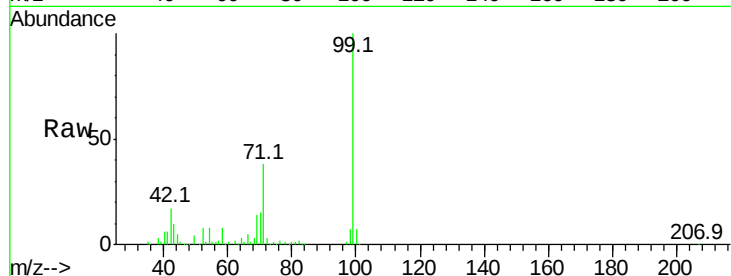
Tot Ion: 99 Resp: 231127

Ion Ratio Lower Upper

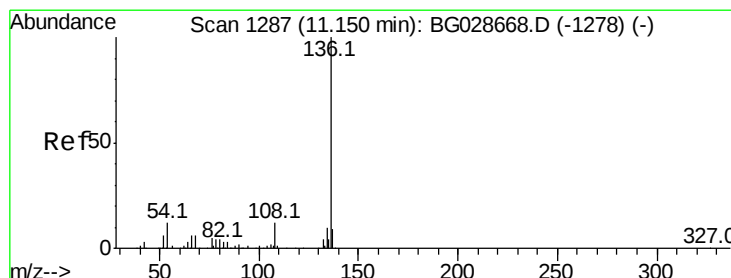
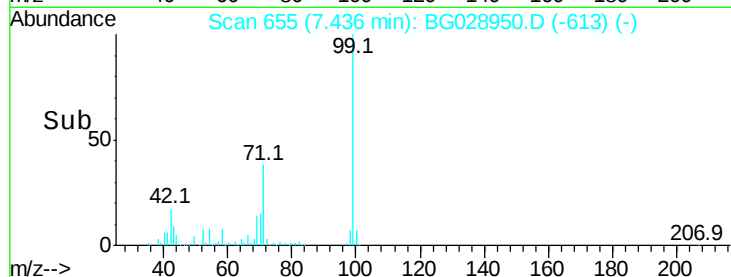
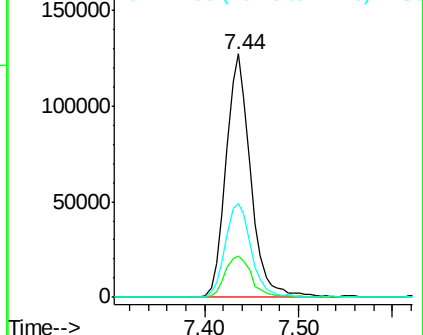
99 100

42 17.0 20.5 30.7#

71 38.4 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: BG028950.D

Acq: 27 Sep 2017 19:44

Tgt Ion: 136 Resp: 112571

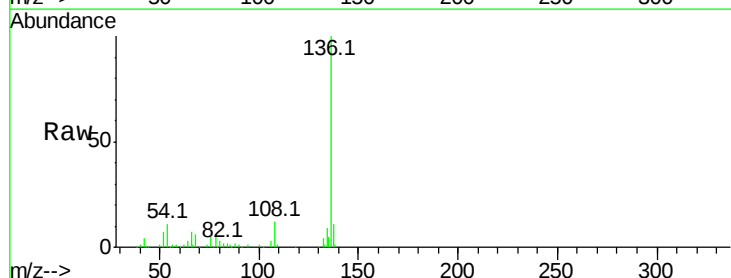
Ion Ratio Lower Upper

136 100

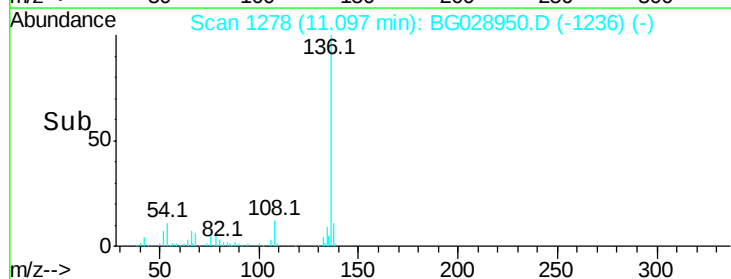
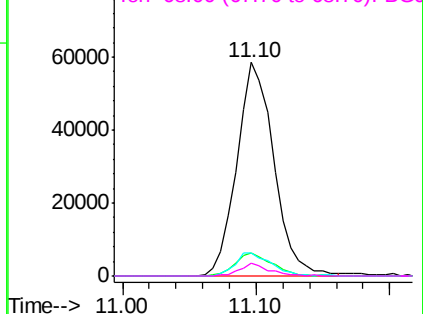
137 10.8 8.9 13.3

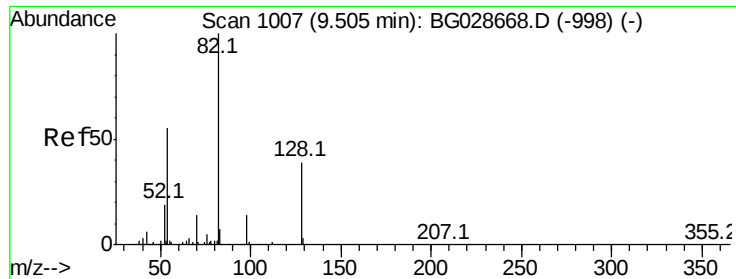
54 10.9 9.3 13.9

68 6.0 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

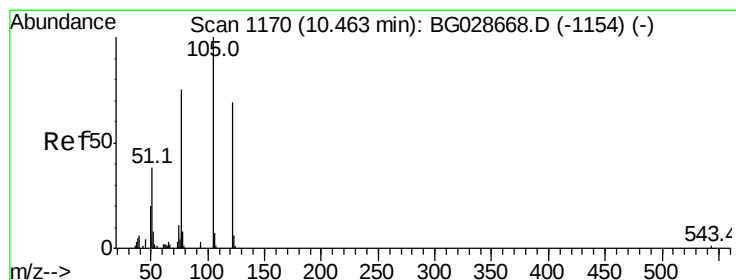
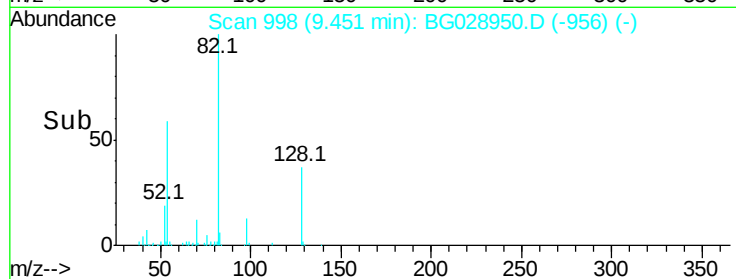
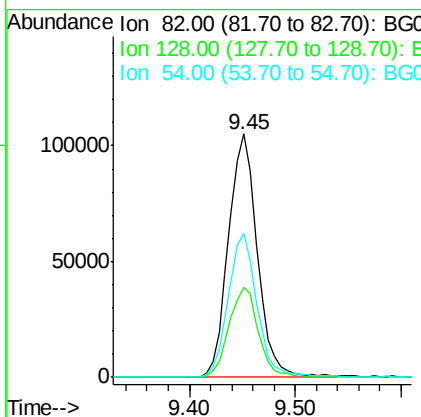
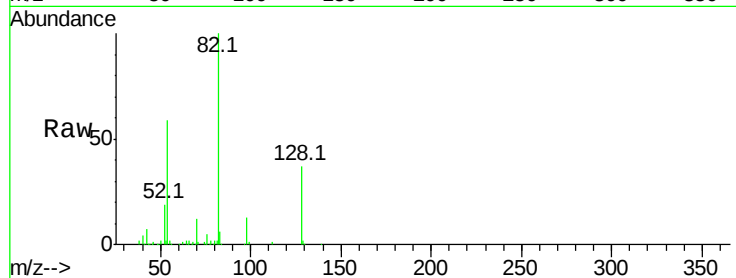




#23
 Nitrobenzene-d5
 Concen: 84.396 ng
 RT: 9.45 min Scan# 998
 Delta R.T. -0.05 min
 Lab File: BG028950.D
 Acq: 27 Sep 2017 19:44

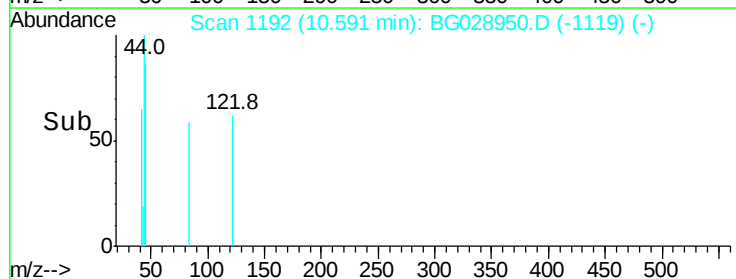
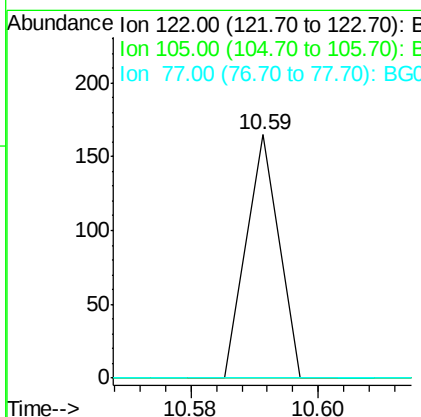
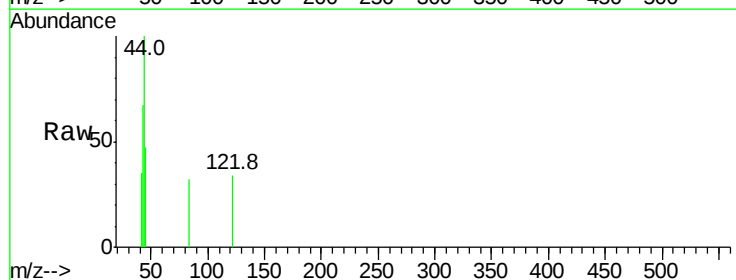
Instrument :
 BNA_G
 ClientSampleId :
 SA-06-092517-A

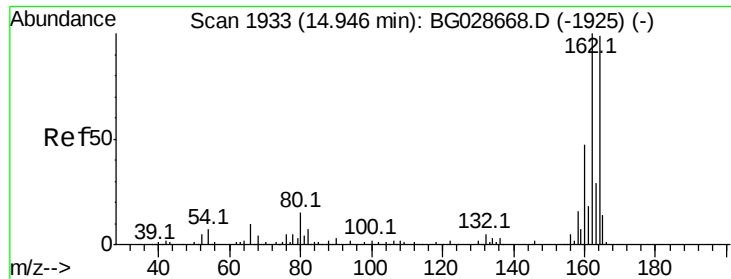
Tot Ion	82	Resp	198600
Ion Ratio	Lower	Upper	
82	100		
128	36.8	26.4	39.6
54	58.9	49.4	74.2



#32
 Benzoic acid
 Concen: 6.121 ng
 RT: 10.59 min Scan# 1192
 Delta R.T. 0.13 min
 Lab File: BG028950.D
 Acq: 27 Sep 2017 19:44

Tgt Ion	122	Resp	58
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: 14.90 min Scan# 1925

Delta R.T. -0.05 min

Lab File: BG028950.D

Acq: 27 Sep 2017 19:44

Instrument :

BNA_G

ClientSampleId :

SA-06-092517-A

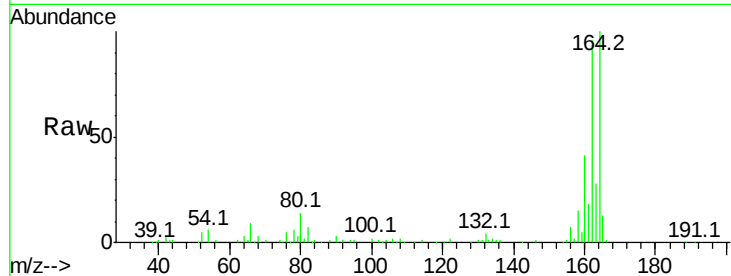
Tot Ion:164 Resp: 84793

Ion Ratio Lower Upper

164 100

162 96.4 85.1 127.7

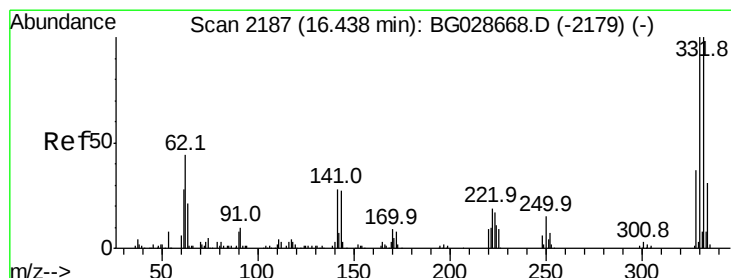
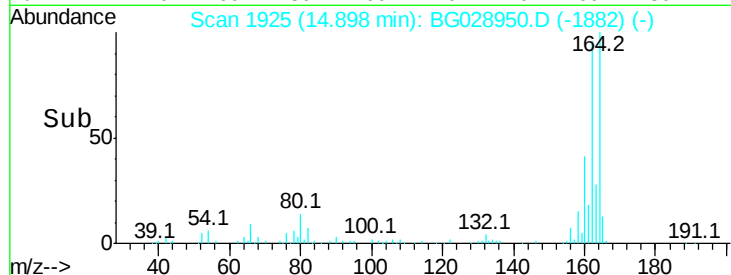
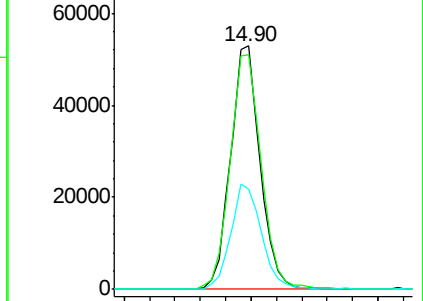
160 41.2 34.7 52.1



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: 149.138 ng

RT: 16.38 min Scan# 2178

Delta R.T. -0.05 min

Lab File: BG028950.D

Acq: 27 Sep 2017 19:44

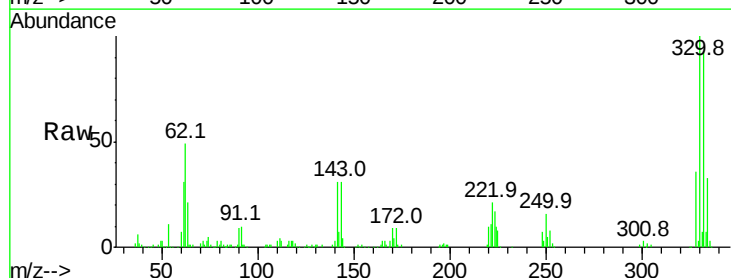
Tgt Ion:330 Resp: 209155

Ion Ratio Lower Upper

330 100

332 93.8 77.3 115.9

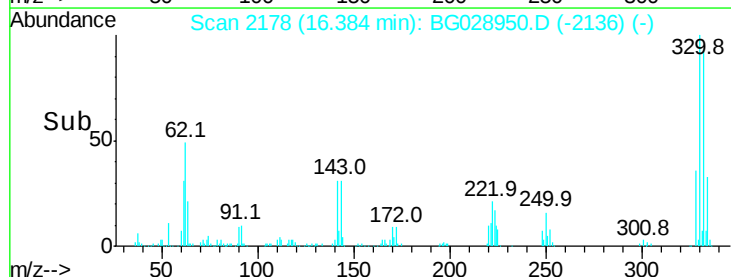
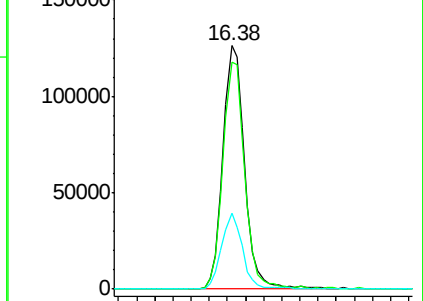
141 30.6 32.1 48.1#

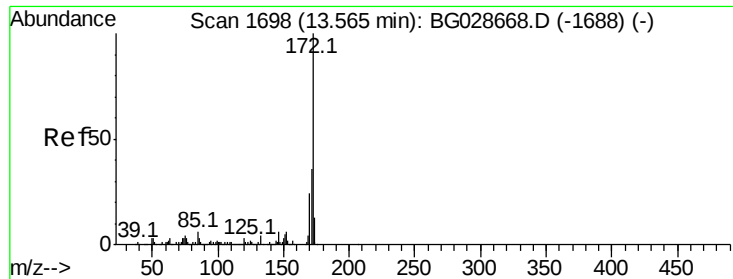


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

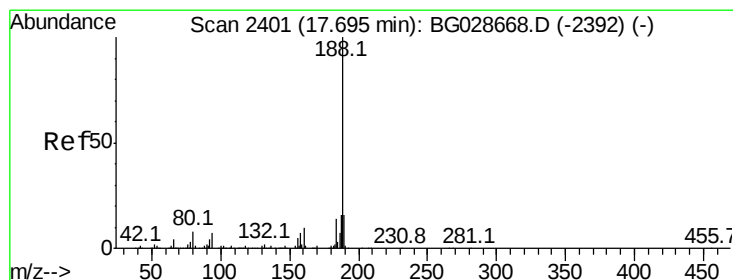
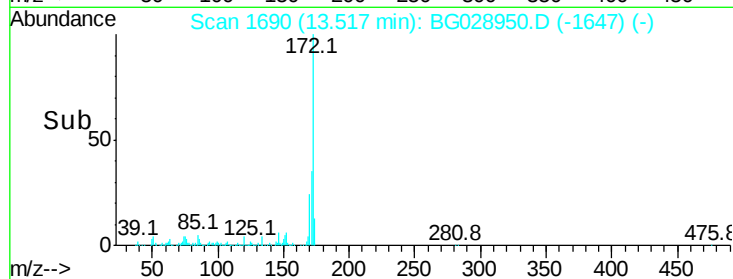
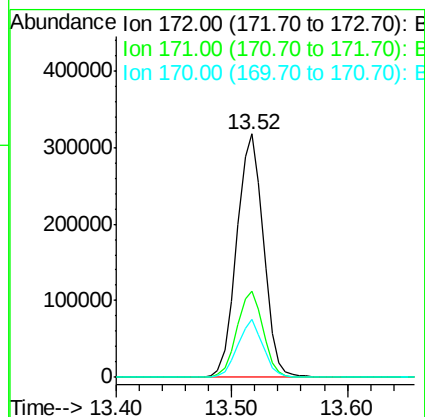
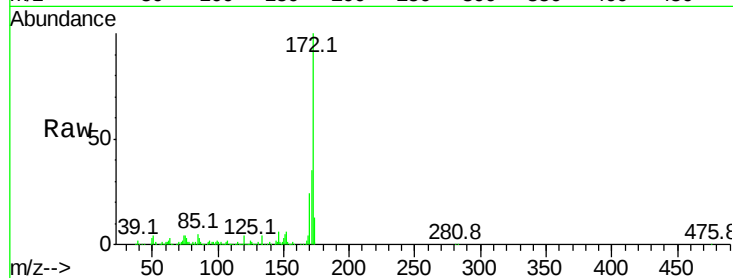




#44
2-Fluorobiphenyl
Concen: 79.983 ng
RT: 13.52 min Scan# 1690
Delta R.T. -0.05 min
Lab File: BG028950.D
Acq: 27 Sep 2017 19:44

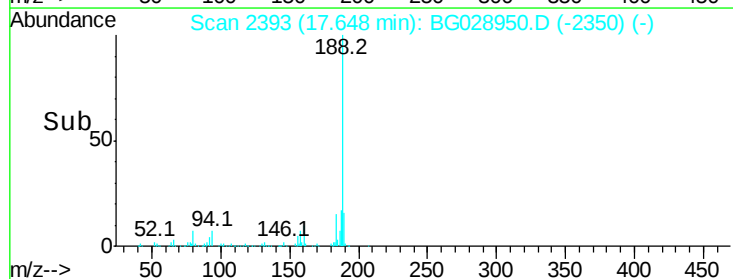
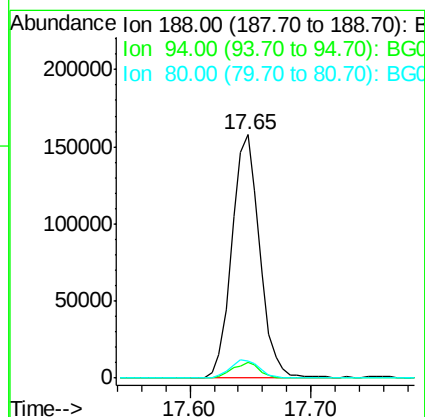
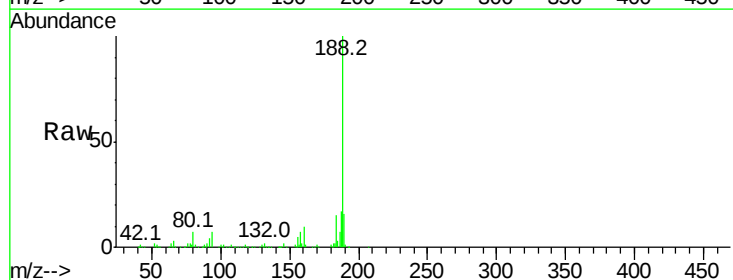
Instrument :
BNA_G
ClientSampleId :
SA-06-092517-A

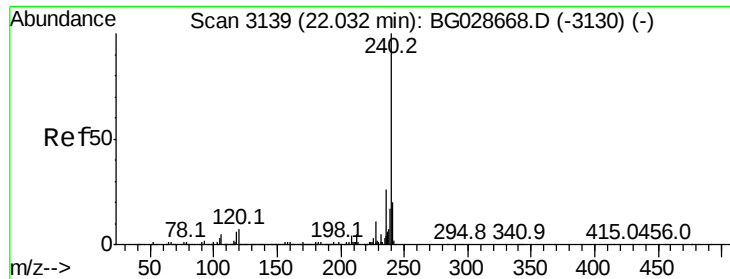
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	32.2	48.2
170	23.8	21.8	32.6



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.65 min Scan# 2393
Delta R.T. -0.05 min
Lab File: BG028950.D
Acq: 27 Sep 2017 19:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.7	5.8	8.8
80	6.8	7.5	11.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.97 min Scan# 3128

Delta R.T. -0.07 min

Lab File: BG028950.D

Acq: 27 Sep 2017 19:44

Instrument :

BNA_G

ClientSampleId :

SA-06-092517-A

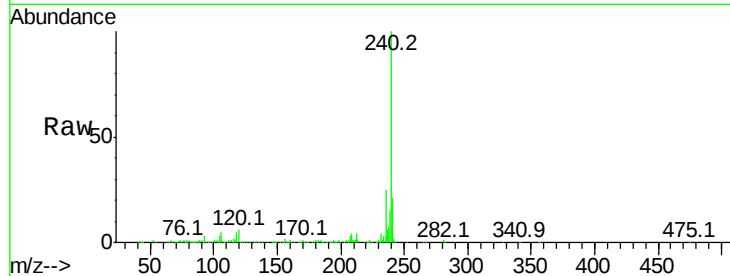
Tot Ion:240 Resp: 296173

Ion Ratio Lower Upper

240 100

120 6.0 5.7 8.5

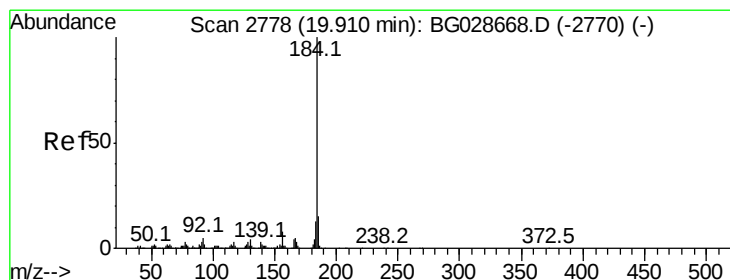
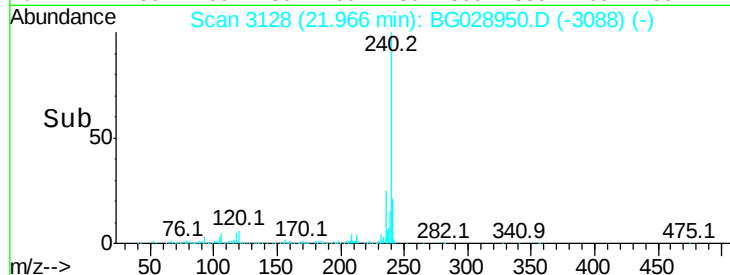
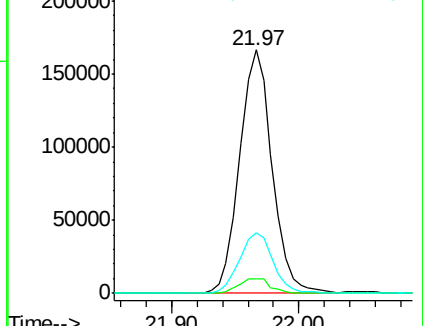
236 25.1 22.2 33.4



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: 2.219 ng

RT: 19.89 min Scan# 2774

Delta R.T. -0.02 min

Lab File: BG028950.D

Acq: 27 Sep 2017 19:44

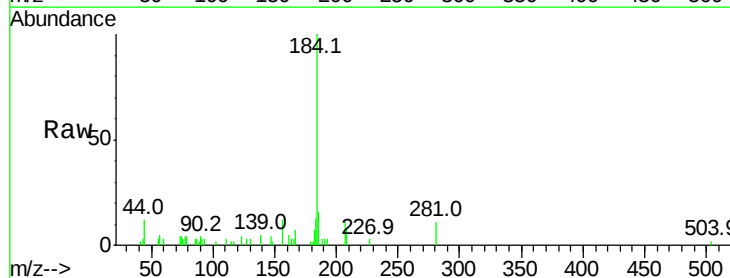
Tgt Ion:184 Resp: 17041

Ion Ratio Lower Upper

184 100

185 16.2 13.0 19.6

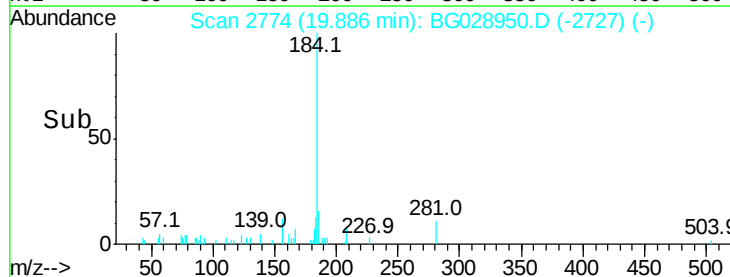
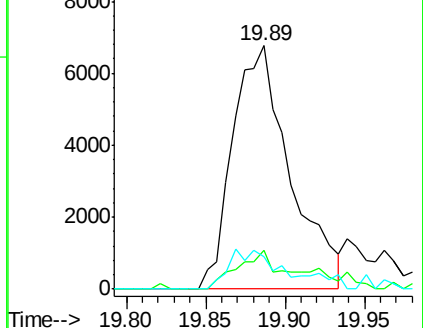
183 13.5 11.0 16.6

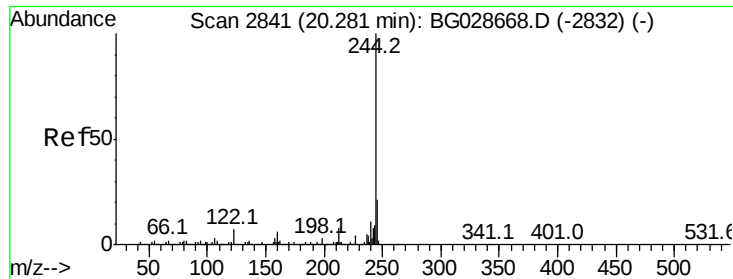


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 87.938 ng

RT: 20.23 min Scan# 2833

Delta R.T. -0.05 min

Lab File: BG028950.D

Acq: 27 Sep 2017 19:44

Instrument :

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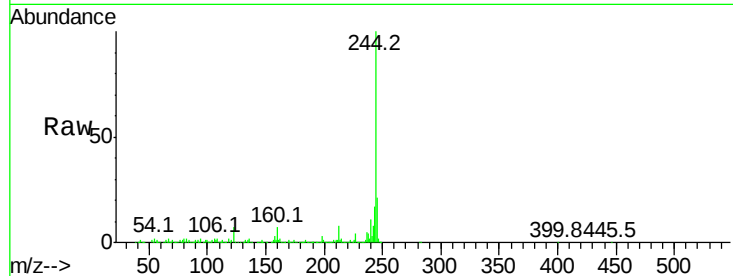
Tot Ion:244 Resp: 1221297

Ion Ratio Lower Upper

244 100

212 7.8 10.0 15.0#

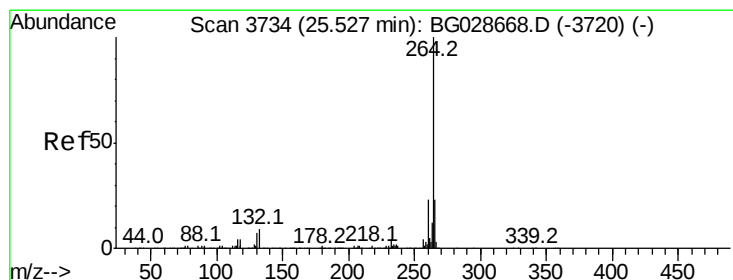
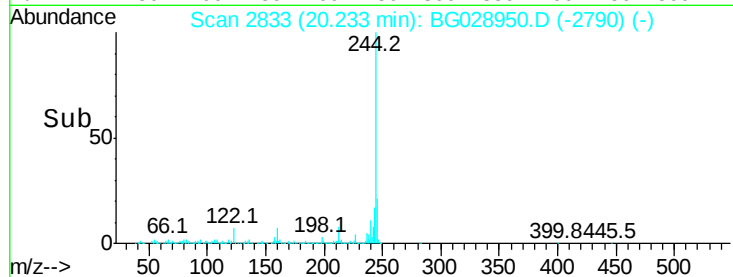
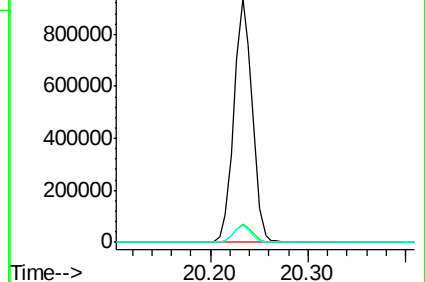
122 6.9 8.6 12.8#



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: 25.43 min Scan# 3717

Delta R.T. -0.10 min

Lab File: BG028950.D

Acq: 27 Sep 2017 19:44

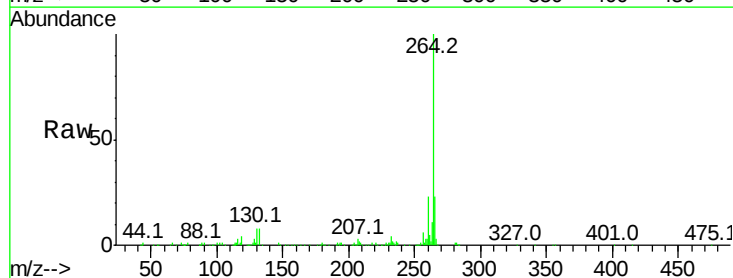
Tgt Ion:264 Resp: 300147

Ion Ratio Lower Upper

264 100

260 22.9 21.8 32.8

265 23.0 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

