

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092917\
 Data File : BG028976.D
 Acq On : 29 Sep 2017 19:37
 Operator : SJ/JU
 Sample : I5450-18
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 29 22:36:10 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

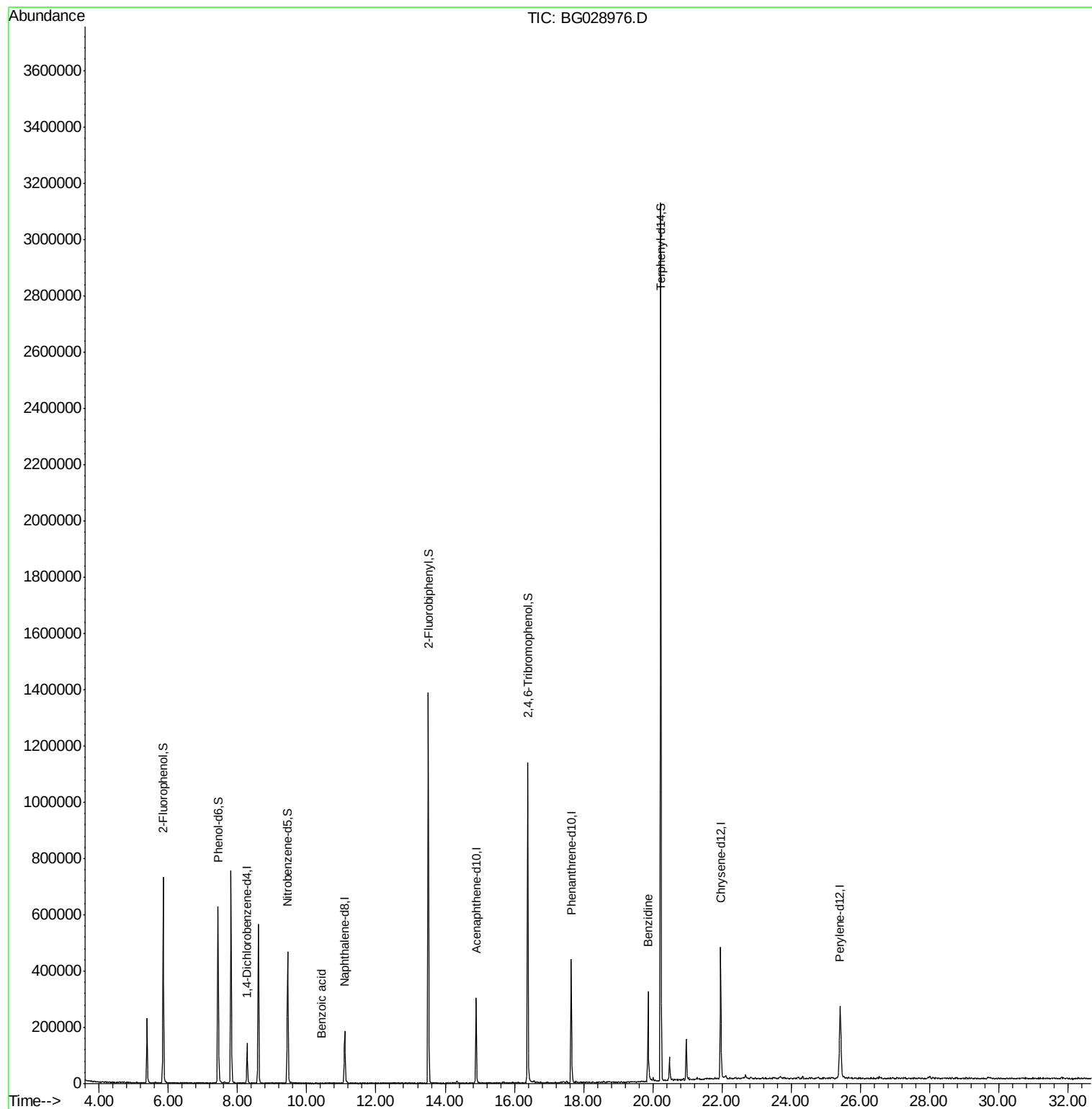
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	39597	20.00	ng	-0.05
21) Naphthalene-d8	11.10	136	156146	20.00	ng	-0.05
38) Acenaphthene-d10	14.89	164	108315	20.00	ng	-0.05
63) Phenanthrene-d10	17.64	188	283460	20.00	ng	-0.05
75) Chrysene-d12	21.97	240	324888	20.00	ng	-0.06
86) Perylene-d12	25.42	264	335044	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.85	112	313128	130.48	ng	-0.05
7) Phenol-d6	7.44	99	379126	104.93	ng	-0.05
23) Nitrobenzene-d5	9.45	82	304158	93.18	ng	-0.05
41) 2,4,6-Tribromophenol	16.38	330	242914	135.60	ng	-0.05
44) 2-Fluorobiphenyl	13.51	172	764259	94.08	ng	-0.05
78) Terphenyl-d14	20.23	244	1469086	96.43	ng	-0.05
Target Compounds						
32) Benzoic acid	10.42	122	57	6.111	ng	# 1
76) Benzidine	19.86	184	214403	25.448	ng	95

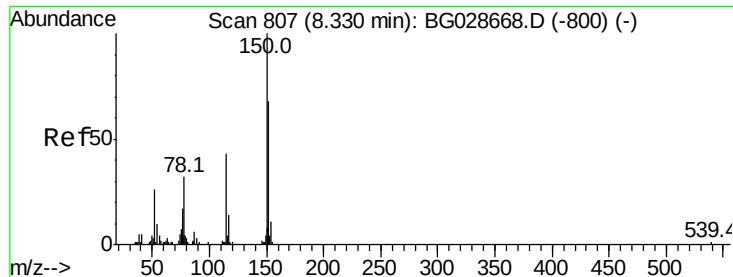
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG028976.D

Acq: 29 Sep 2017 19:37

Instrument :

BNA_G

ClientSampleId :

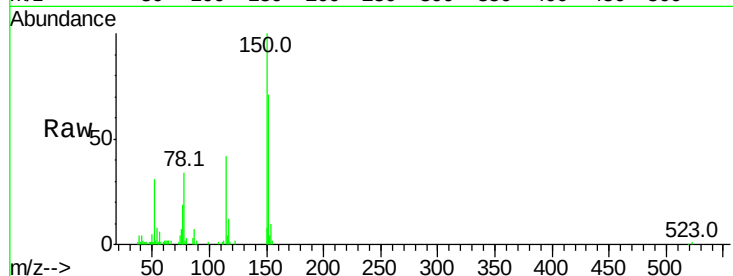
Tot Ion:152 Resp: 39597

Ion Ratio Lower Upper

152 100

150 140.6 114.0 171.0

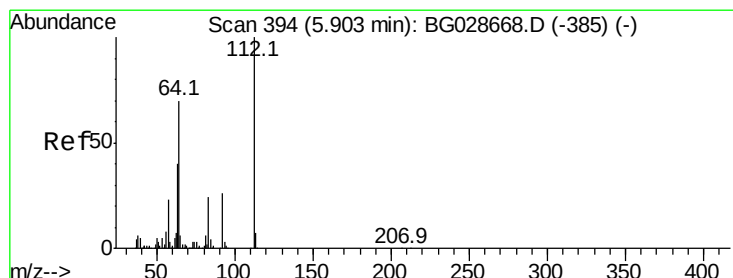
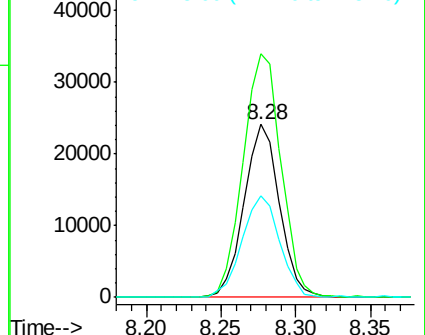
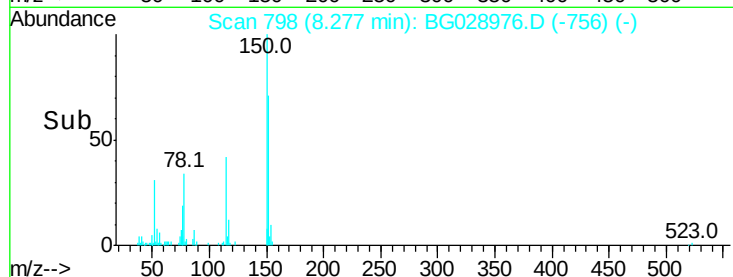
115 58.6 48.1 72.1



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: 130.484 ng

RT: 5.85 min Scan# 385

Delta R.T. -0.05 min

Lab File: BG028976.D

Acq: 29 Sep 2017 19:37

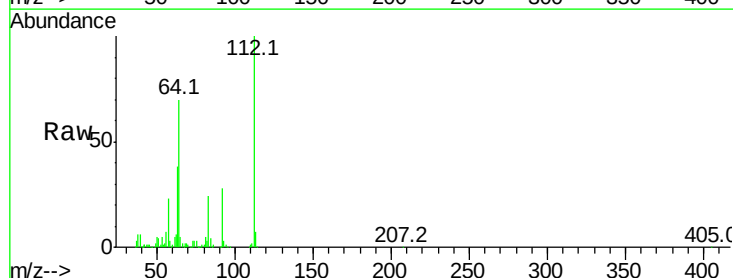
Tgt Ion:112 Resp: 313128

Ion Ratio Lower Upper

112 100

64 69.9 61.8 92.6

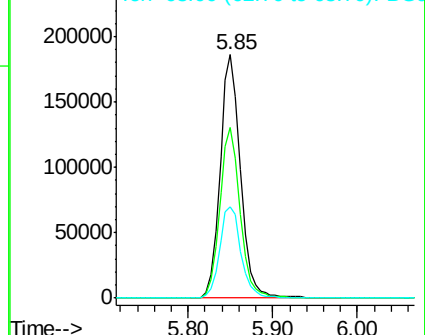
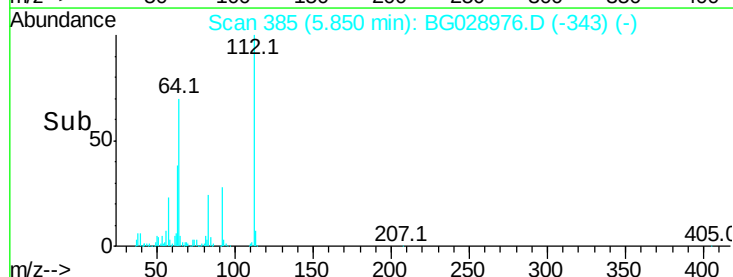
63 37.5 37.2 55.8

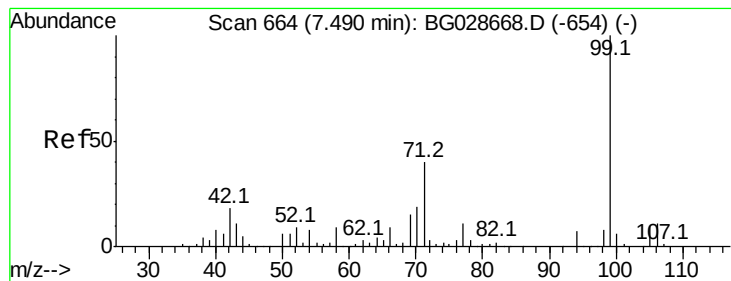


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 104.931 ng

RT: 7.44 min Scan# 655

Delta R.T. -0.05 min

Lab File: BG028976.D

Acq: 29 Sep 2017 19:37

Instrument :

BNA_G

ClientSampleId :

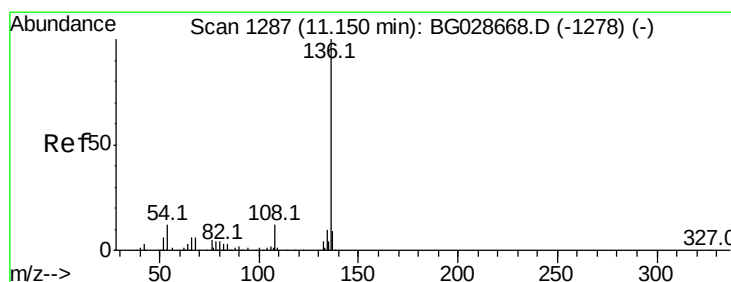
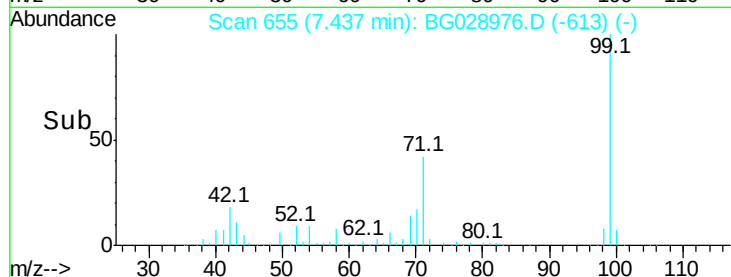
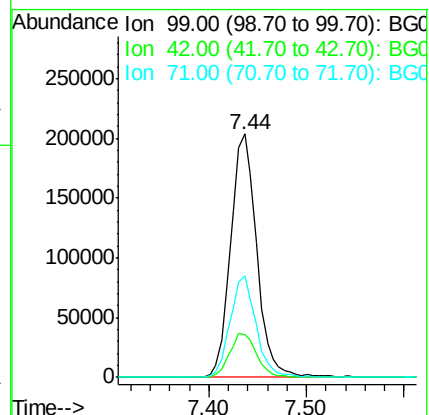
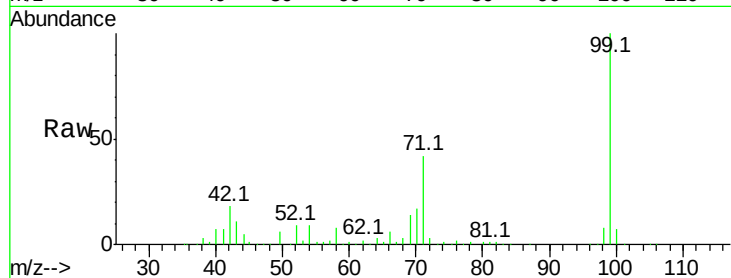
Tot Ion: 99 Resp: 379126

Ion Ratio Lower Upper

99 100

42 17.7 20.5 30.7#

71 41.9 37.6 56.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.10 min Scan# 1278

Delta R.T. -0.05 min

Lab File: BG028976.D

Acq: 29 Sep 2017 19:37

Tgt Ion: 136 Resp: 156146

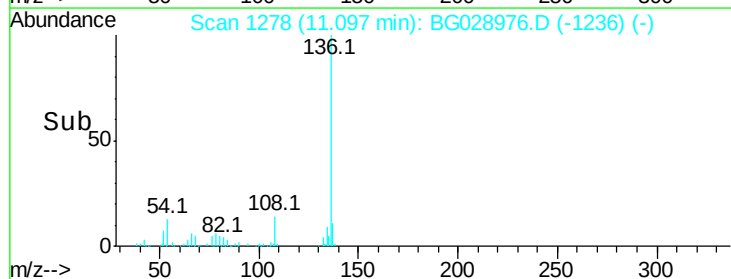
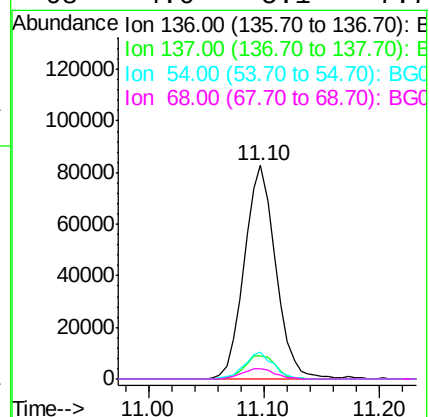
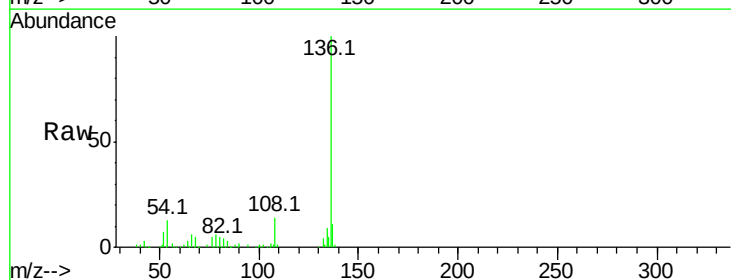
Ion Ratio Lower Upper

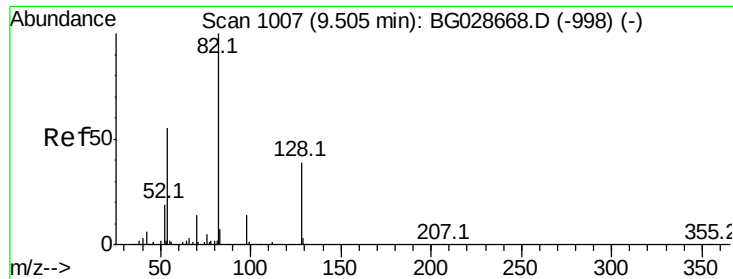
136 100

137 11.0 8.9 13.3

54 12.6 9.3 13.9

68 4.6 5.1 7.7#

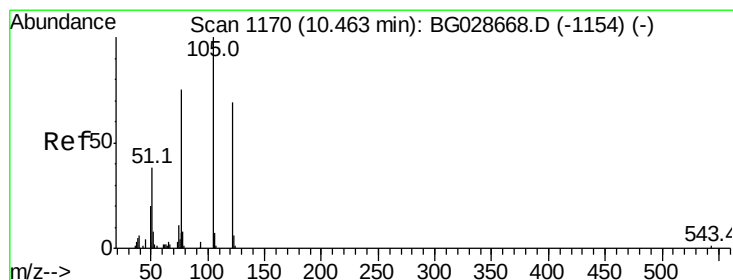
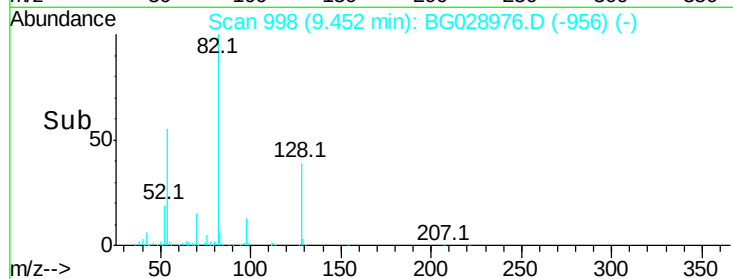
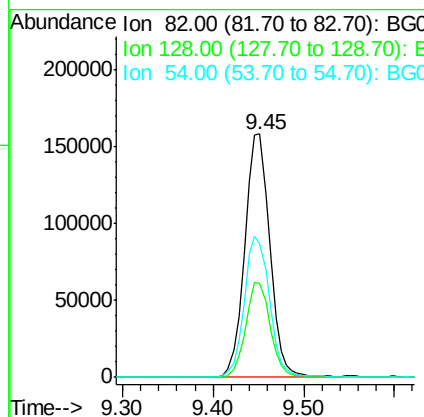
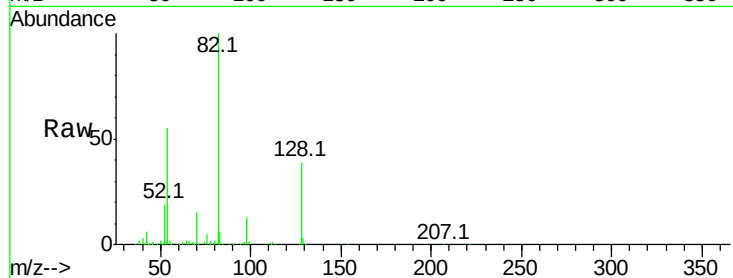




#23
 Nitrobenzene-d5
 Concen: 93.183 ng
 RT: 9.45 min Scan# 998
 Delta R.T. -0.05 min
 Lab File: BG028976.D
 Acq: 29 Sep 2017 19:37

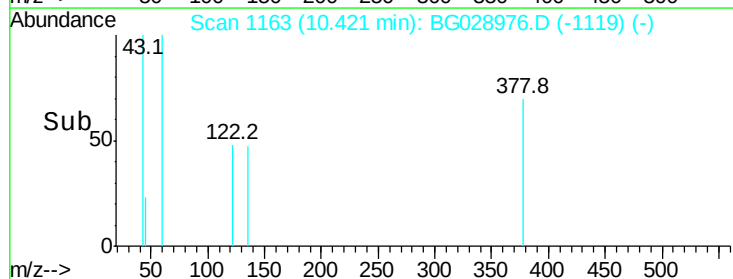
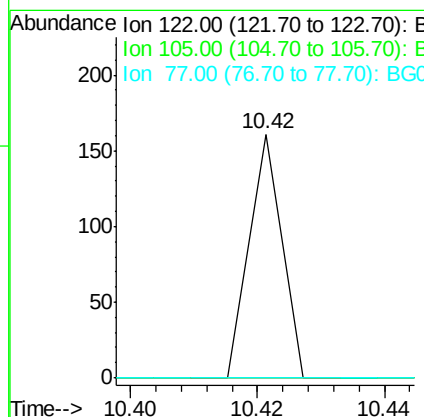
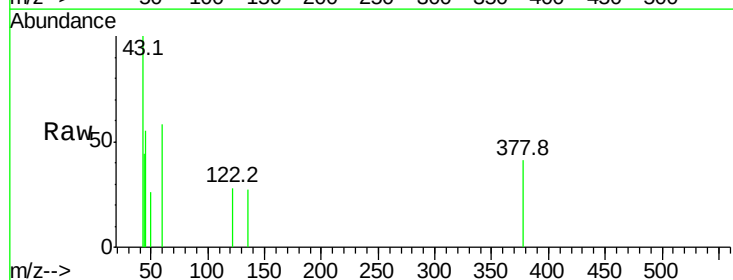
Instrument :
 BNA_G
 ClientSampleId :

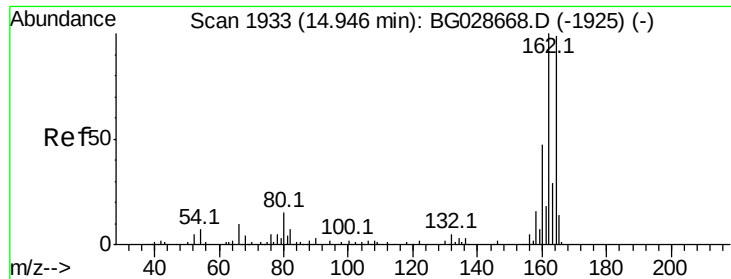
Tot Ion	82	Resp	304158
Ion	Ratio	Lower	Upper
82	100		
128	38.6	26.4	39.6
54	54.6	49.4	74.2



#32
 Benzoic acid
 Concen: 6.111 ng
 RT: 10.42 min Scan# 1163
 Delta R.T. -0.04 min
 Lab File: BG028976.D
 Acq: 29 Sep 2017 19:37

Tgt Ion	122	Resp	57
Ion	Ratio	Lower	Upper
122	100		
105	0.0	120.1	160.1#
77	0.0	104.6	144.6#

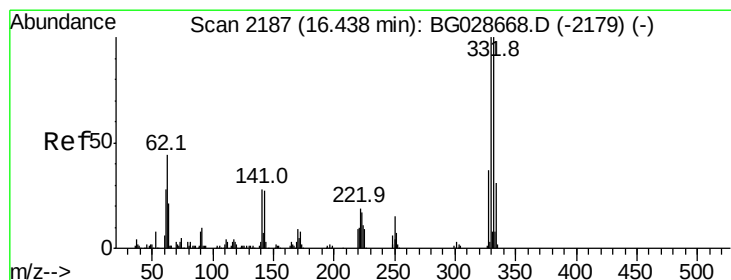
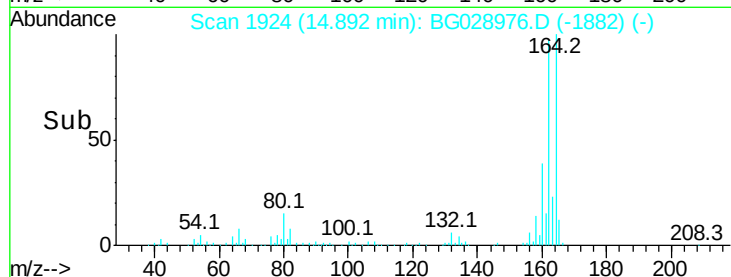
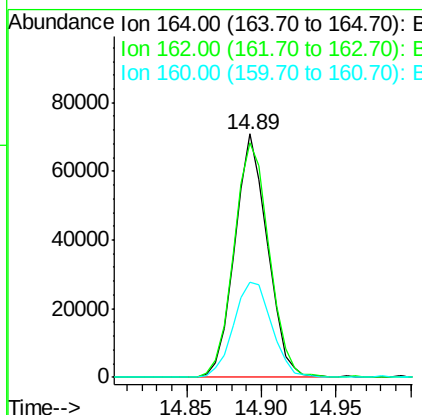
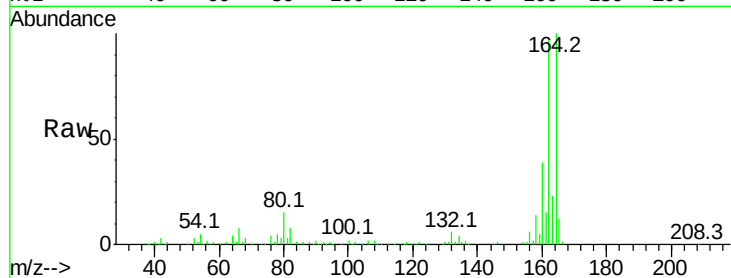




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.89 min Scan# 1924
 Delta R.T. -0.05 min
 Lab File: BG028976.D
 Acq: 29 Sep 2017 19:37

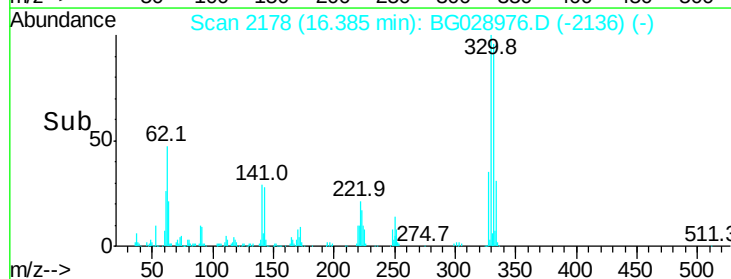
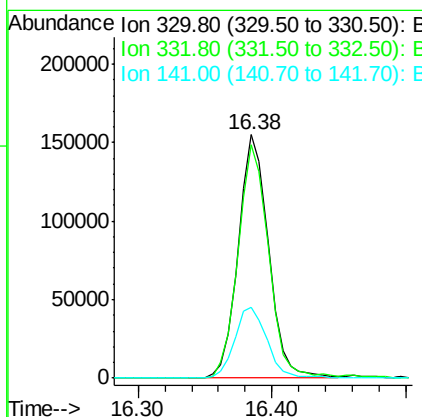
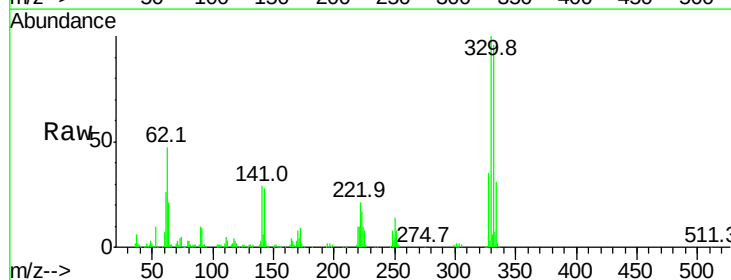
Instrument :
 BNA_G
 ClientSampleId :

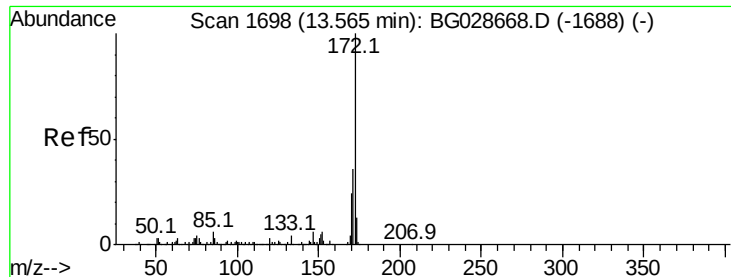
Tot Ion:164 Resp: 108315
 Ion Ratio Lower Upper
 164 100
 162 96.6 85.1 127.7
 160 38.9 34.7 52.1



#41
 2,4,6-Tribromophenol
 Concen: 135.595 ng
 RT: 16.38 min Scan# 2178
 Delta R.T. -0.05 min
 Lab File: BG028976.D
 Acq: 29 Sep 2017 19:37

Tgt Ion:330 Resp: 242914
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.3 115.9
 141 31.6 32.1 48.1#

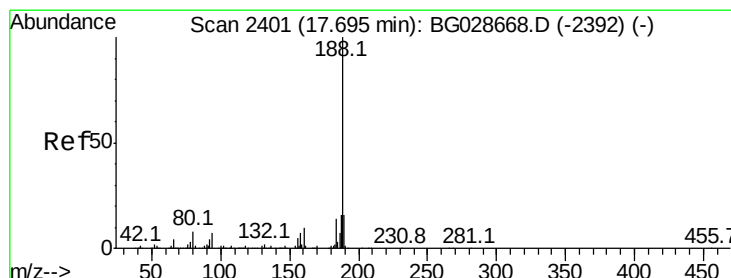
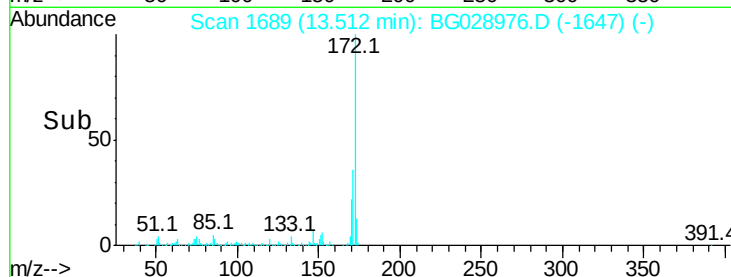
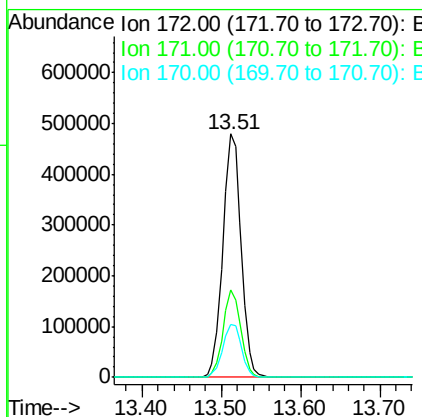
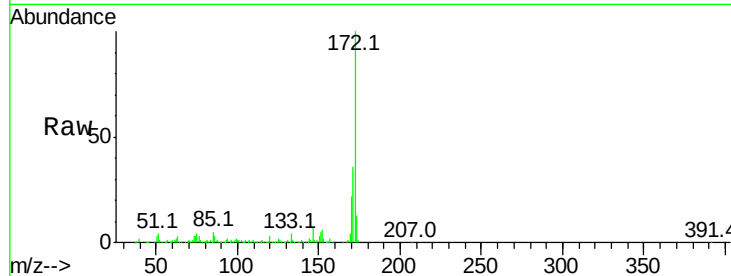




#44
2-Fluorobiphenyl
Concen: 94.085 ng
RT: 13.51 min Scan# 1689
Delta R.T. -0.05 min
Lab File: BG028976.D
Acq: 29 Sep 2017 19:37

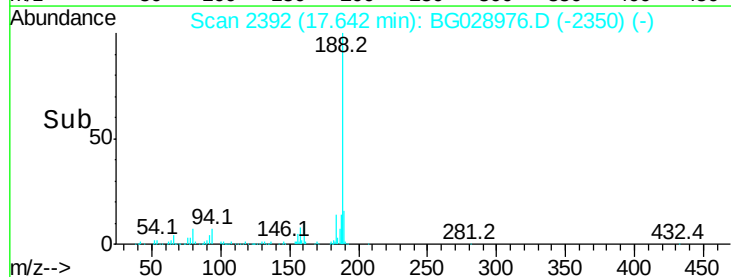
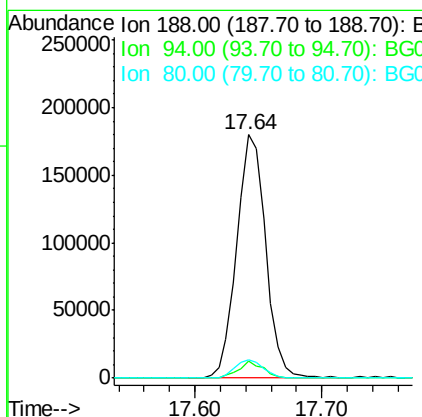
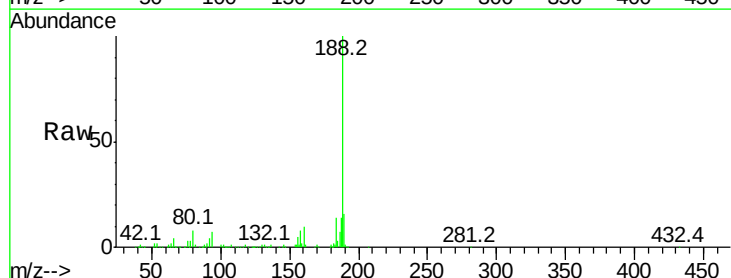
Instrument :
BNA_G
ClientSampleId :

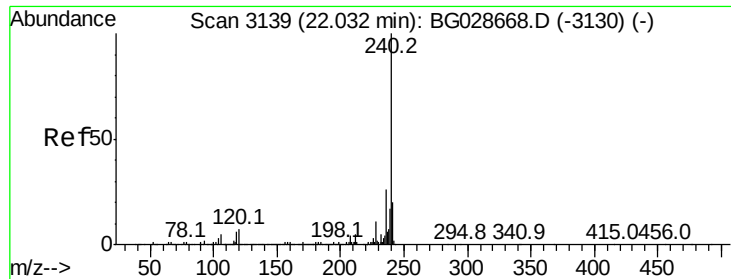
Tot Ion:172 Resp: 764259
Ion Ratio Lower Upper
172 100
171 35.7 32.2 48.2
170 21.7 21.8 32.6#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.64 min Scan# 2392
Delta R.T. -0.05 min
Lab File: BG028976.D
Acq: 29 Sep 2017 19:37

Tgt Ion:188 Resp: 283460
Ion Ratio Lower Upper
188 100
94 6.9 5.8 8.8
80 7.6 7.5 11.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.97 min Scan# 3128

Delta R.T. -0.06 min

Lab File: BG028976.D

Acq: 29 Sep 2017 19:37

Instrument :

BNA_G

ClientSampleId :

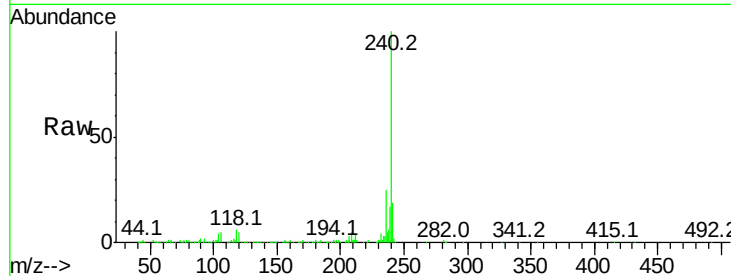
Tot Ion:240 Resp: 324888

Ion Ratio Lower Upper

240 100

120 5.1 5.7 8.5#

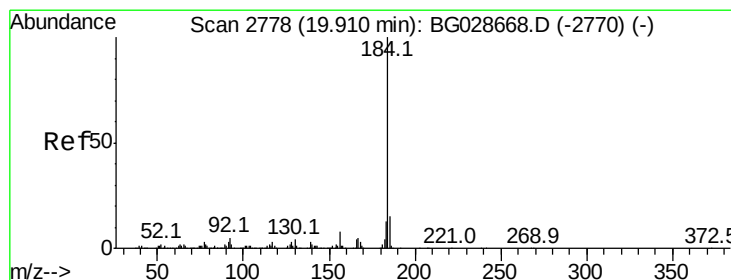
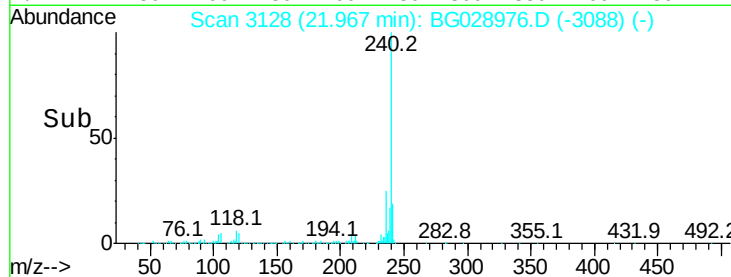
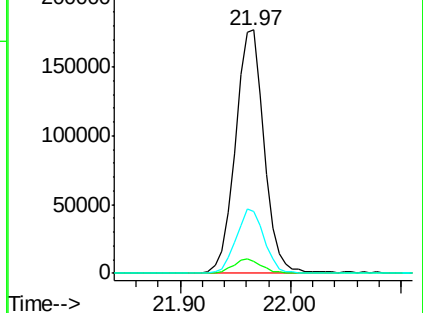
236 25.4 22.2 33.4



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: 25.448 ng

RT: 19.86 min Scan# 2770

Delta R.T. -0.05 min

Lab File: BG028976.D

Acq: 29 Sep 2017 19:37

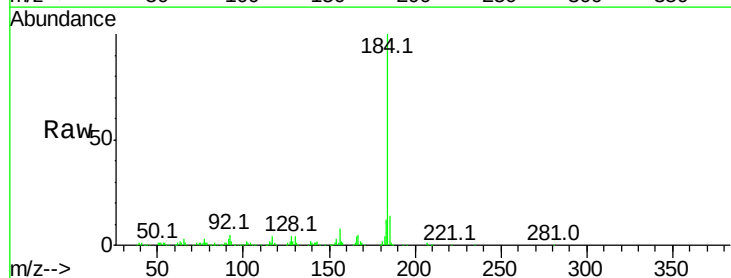
Tgt Ion:184 Resp: 214403

Ion Ratio Lower Upper

184 100

185 13.7 13.0 19.6

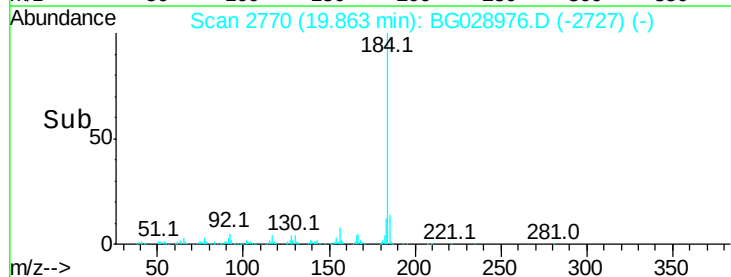
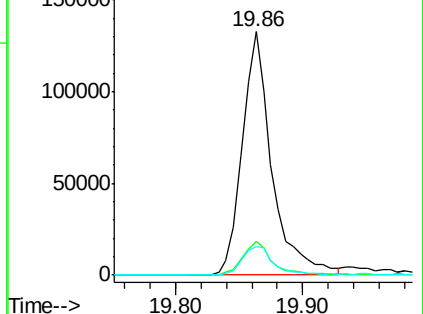
183 12.0 11.0 16.6

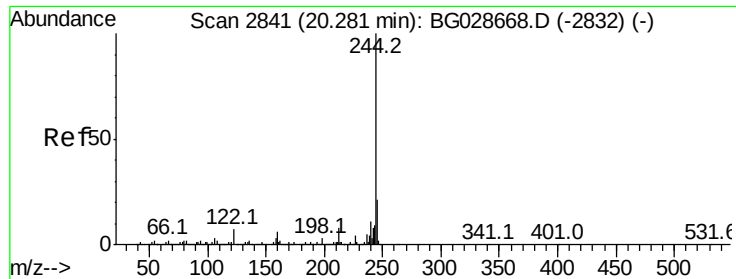


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 96.431 ng

RT: 20.23 min Scan# 2833

Delta R.T. -0.05 min

Lab File: BG028976.D

Acq: 29 Sep 2017 19:37

Instrument :

BNA_G

ClientSampled :

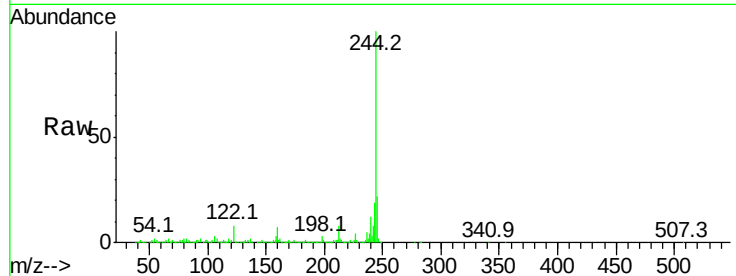
Tot Ion:244 Resp: 1469086

Ion Ratio Lower Upper

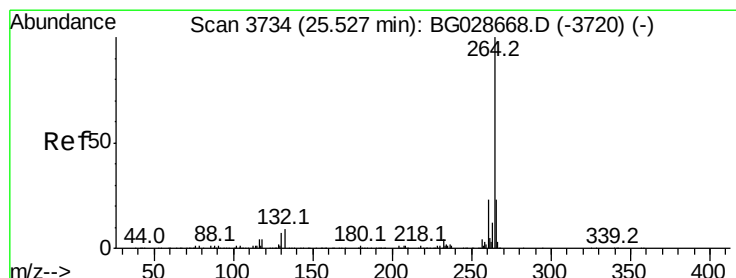
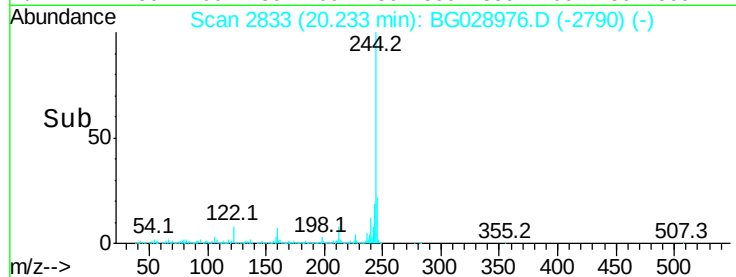
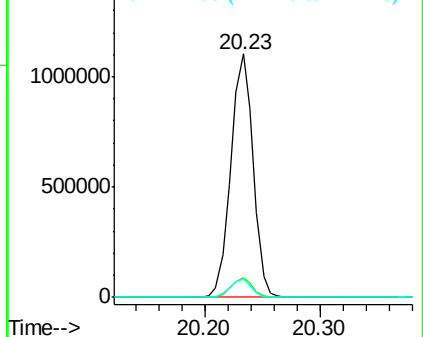
244 100

212 8.0 10.0 15.0#

122 7.6 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: BG028976.D

Acq: 29 Sep 2017 19:37

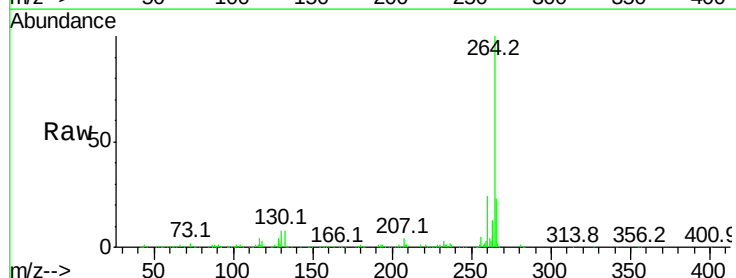
Tgt Ion:264 Resp: 335044

Ion Ratio Lower Upper

264 100

260 23.6 21.8 32.8

265 23.1 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

