

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091317\
 Data File : BG028725.D
 Acq On : 14 Sep 2017 10:02
 Operator : SJ/JU
 Sample : I5208-09
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 14 11:01:23 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

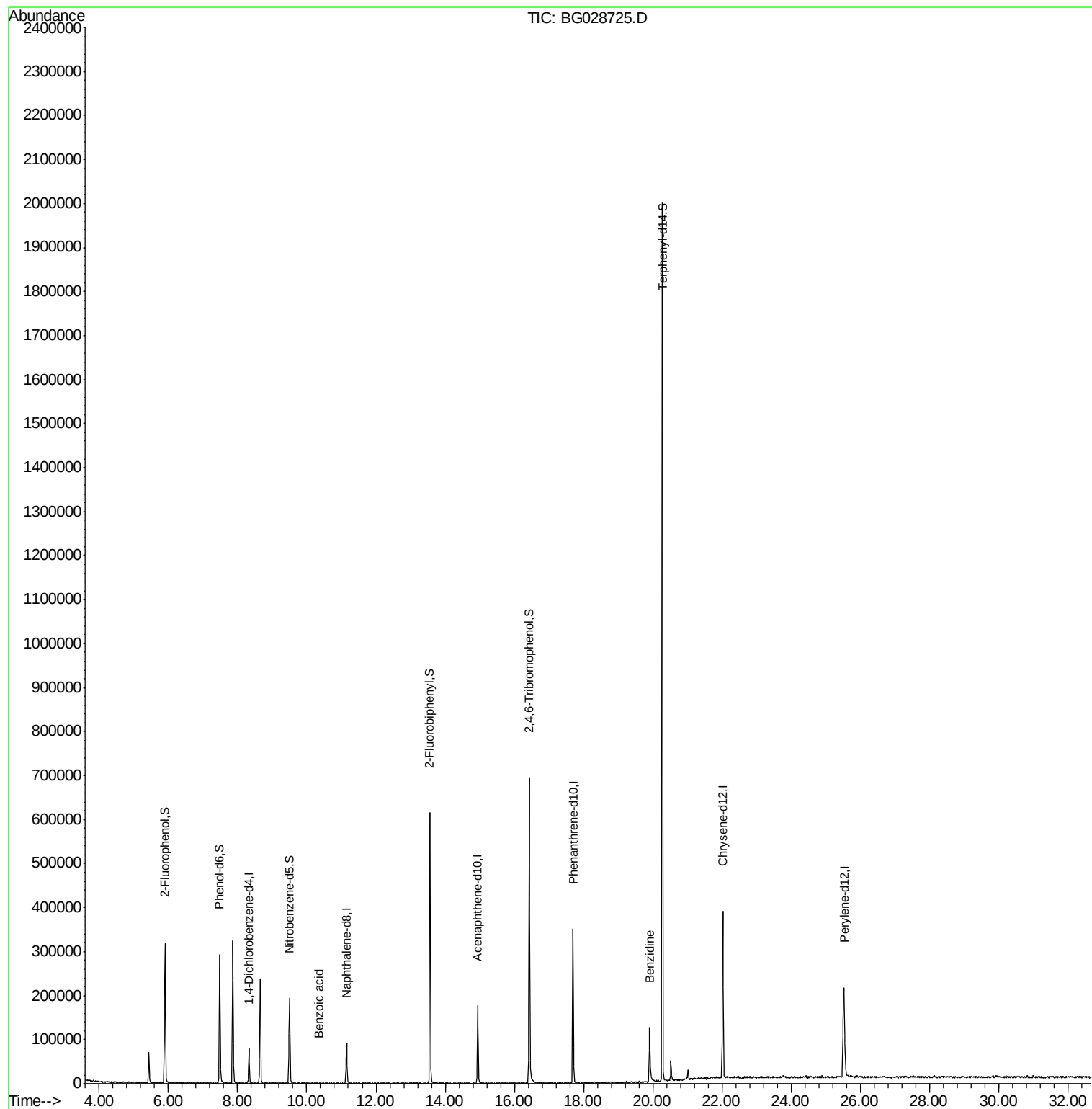
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	21509	20.00	ng	0.00
21) Naphthalene-d8	11.15	136	87192	20.00	ng	0.00
38) Acenaphthene-d10	14.94	164	68097	20.00	ng	0.00
63) Phenanthrene-d10	17.69	188	245853	20.00	ng	0.00
75) Chrysene-d12	22.02	240	281321	20.00	ng	0.00
86) Perylene-d12	25.52	264	282017	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.90	112	143212	109.86	ng	0.00
7) Phenol-d6	7.48	99	182068	92.77	ng	0.00
23) Nitrobenzene-d5	9.50	82	131773	72.30	ng	0.00
41) 2,4,6-Tribromophenol	16.43	330	157925	140.22	ng	0.00
44) 2-Fluorobiphenyl	13.56	172	358653	70.23	ng	0.00
78) Terphenyl-d14	20.28	244	976906	74.05	ng	0.00
Target Compounds						
32) Benzoic acid	10.36	122	84	6.152	ng	Qvalue # 1
76) Benzidine	19.91	184	100469	13.772	ng	96

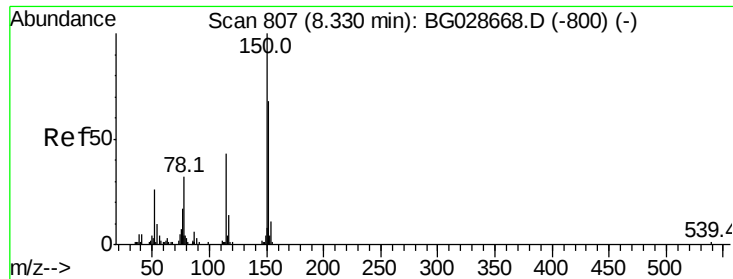
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.33 min Scan# 807

Delta R.T. -0.00 min

Lab File: BG028725.D

Acq: 14 Sep 2017 10:02

Instrument :

BNA_G

ClientSampleId :

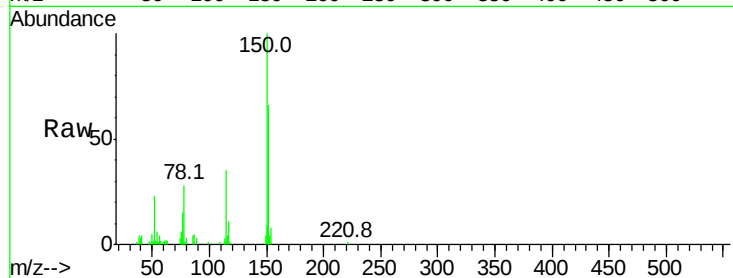
Tot Ion:152 Resp: 21509

Ion Ratio Lower Upper

152 100

150 151.9 114.0 171.0

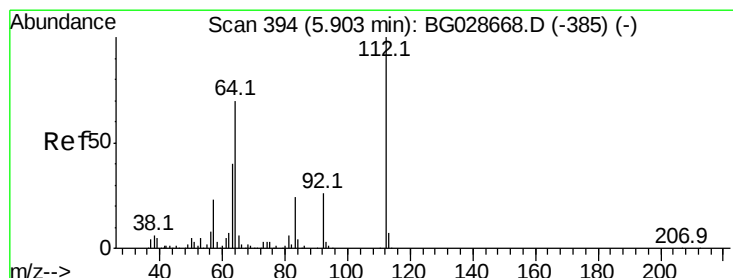
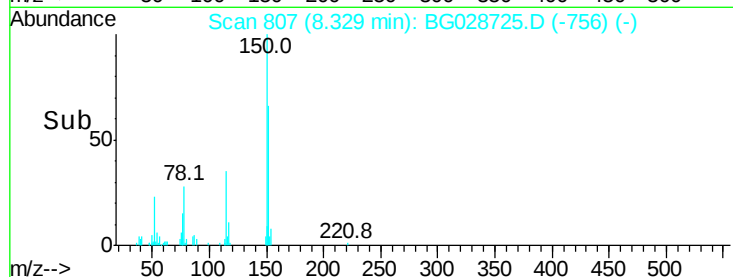
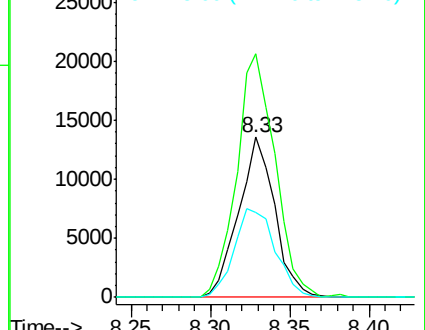
115 53.0 48.1 72.1



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: 109.864 ng

RT: 5.90 min Scan# 394

Delta R.T. -0.00 min

Lab File: BG028725.D

Acq: 14 Sep 2017 10:02

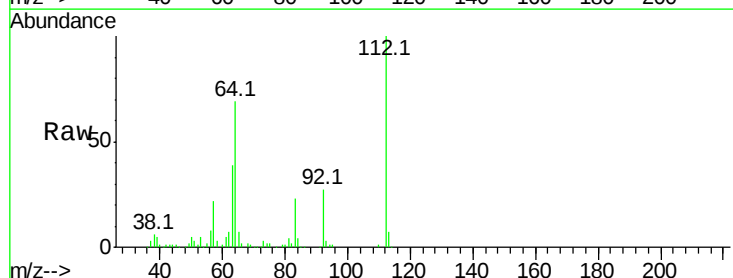
Tgt Ion:112 Resp: 143212

Ion Ratio Lower Upper

112 100

64 69.1 61.8 92.6

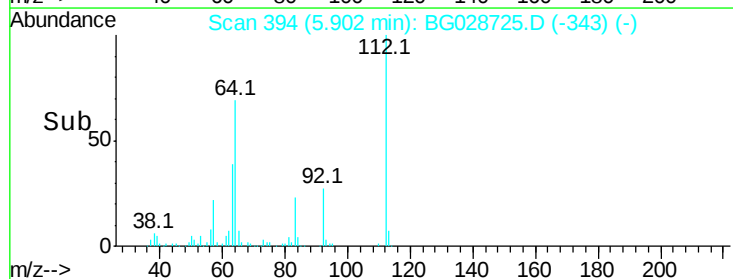
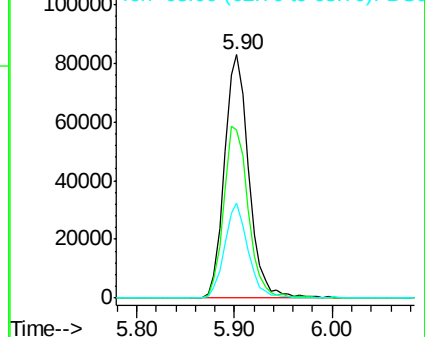
63 39.0 37.2 55.8

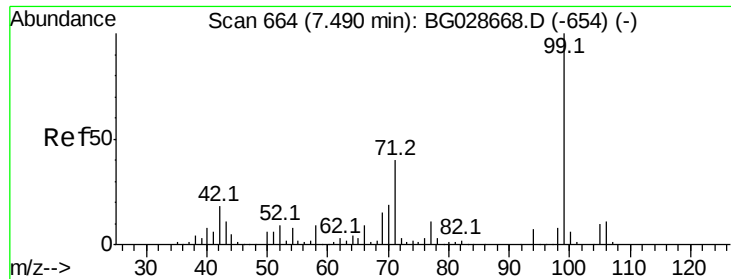


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 92.767 ng

RT: 7.48 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG028725.D

Acq: 14 Sep 2017 10:02

Instrument :

BNA_G

ClientSampleId :

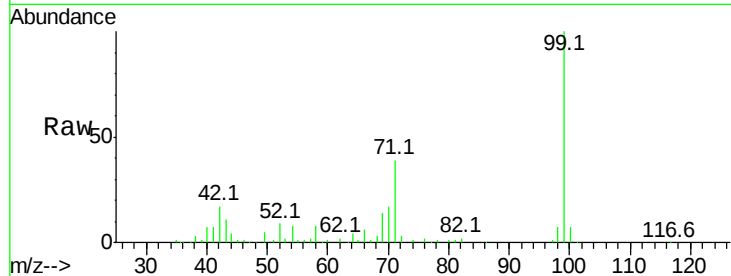
Tot Ion: 99 Resp: 182068

Ion Ratio Lower Upper

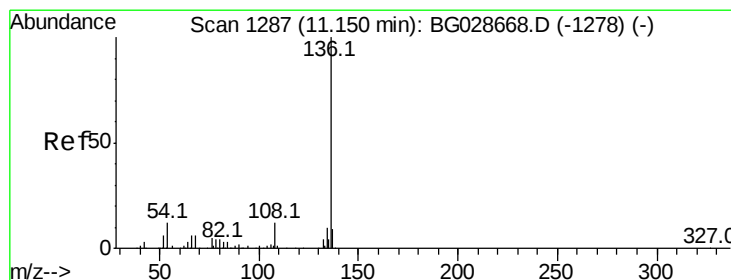
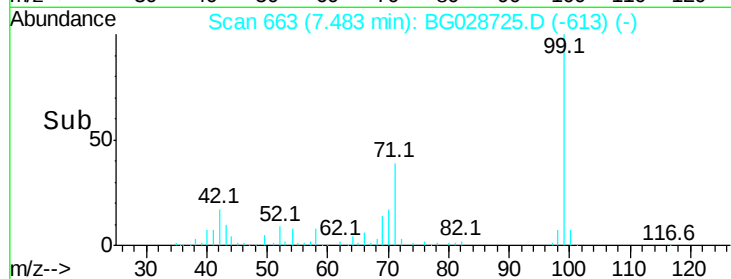
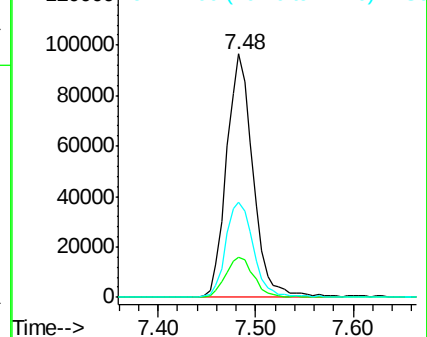
99 100

42 16.7 20.5 30.7#

71 39.3 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: 11.15 min Scan# 1287

Delta R.T. -0.00 min

Lab File: BG028725.D

Acq: 14 Sep 2017 10:02

Tgt Ion: 136 Resp: 87192

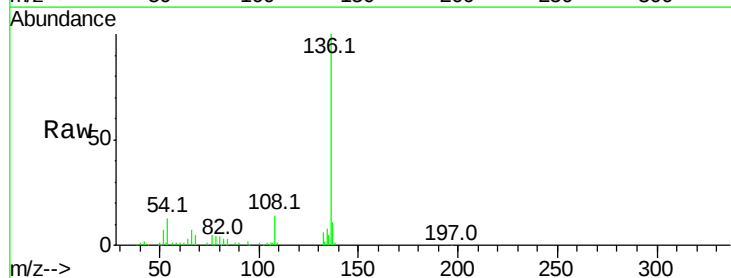
Ion Ratio Lower Upper

136 100

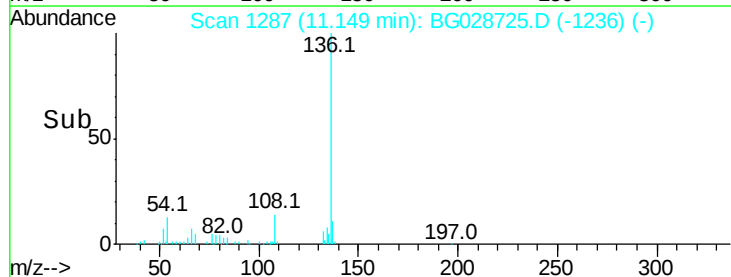
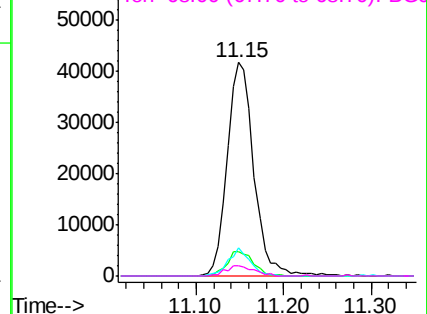
137 11.2 8.9 13.3

54 13.0 9.3 13.9

68 4.9 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

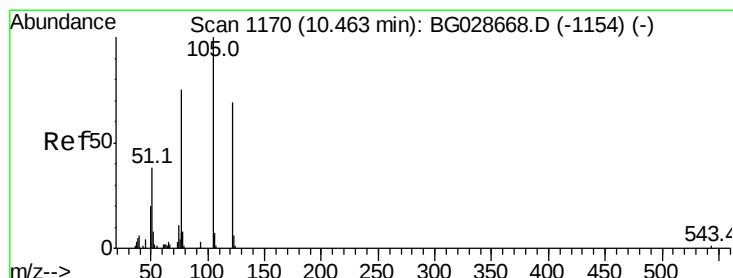
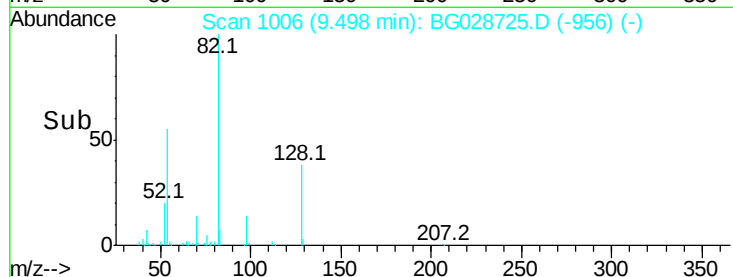
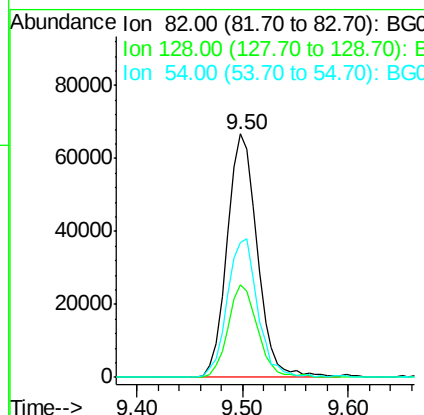
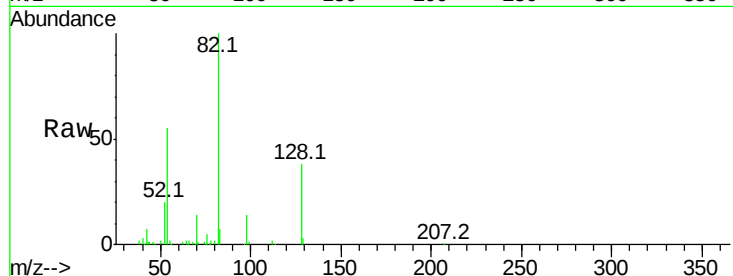




#23
 Nitrobenzene-d5
 Concen: 72.296 ng
 RT: 9.50 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: BG028725.D
 Acq: 14 Sep 2017 10:02

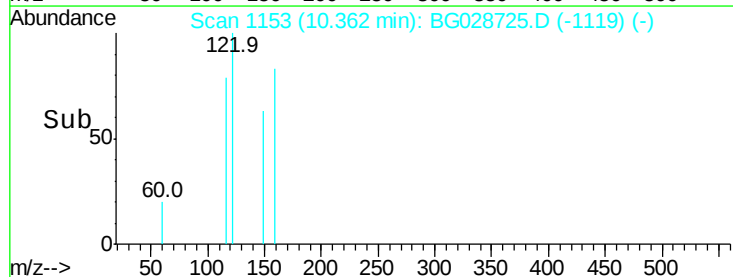
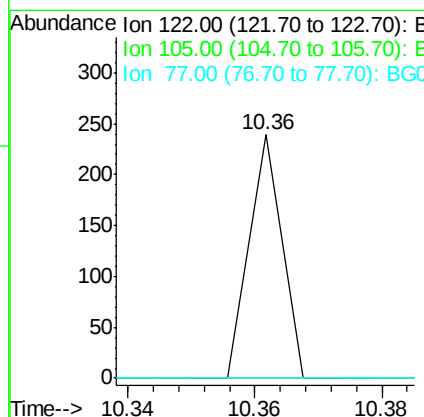
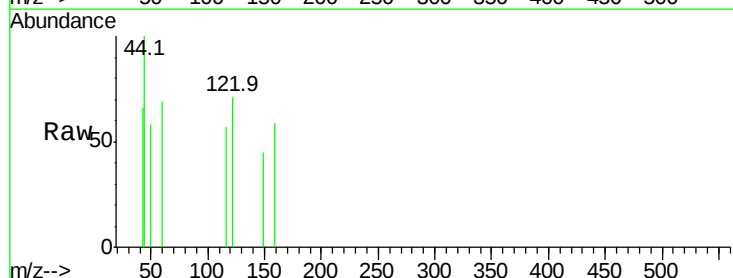
Instrument :
 BNA_G
 ClientSampleId :

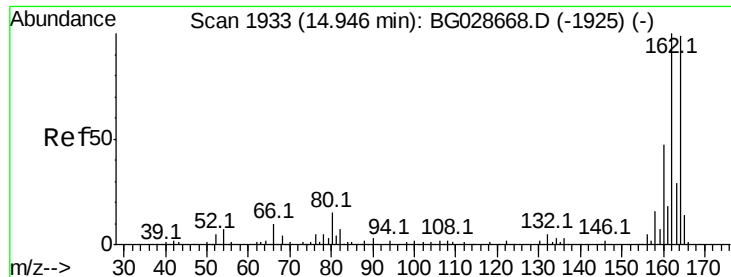
Tot Ion	82	Resp	131773
Ion	Ratio	Lower	Upper
82	100		
128	38.1	26.4	39.6
54	55.4	49.4	74.2



#32
 Benzoic acid
 Concen: 6.152 ng
 RT: 10.36 min Scan# 1153
 Delta R.T. -0.10 min
 Lab File: BG028725.D
 Acq: 14 Sep 2017 10:02

Tgt Ion	122	Resp	84
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: 14.94 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BG028725.D

Acq: 14 Sep 2017 10:02

Instrument :

BNA_G

ClientSampleId :

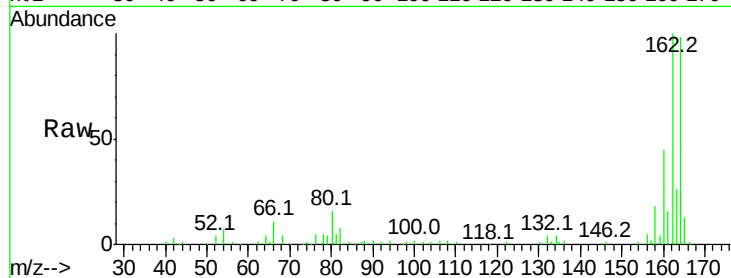
Tot Ion:164 Resp: 68097

Ion Ratio Lower Upper

164 100

162 101.9 85.1 127.7

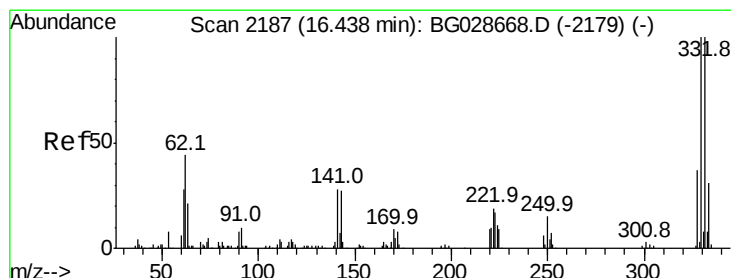
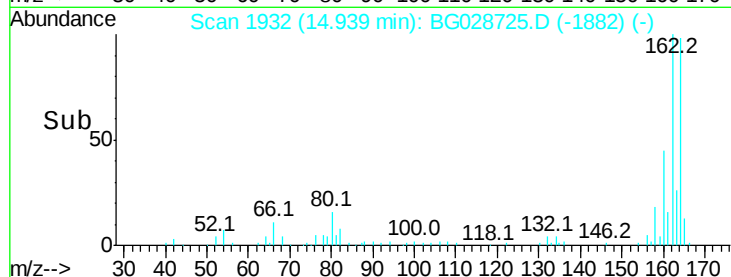
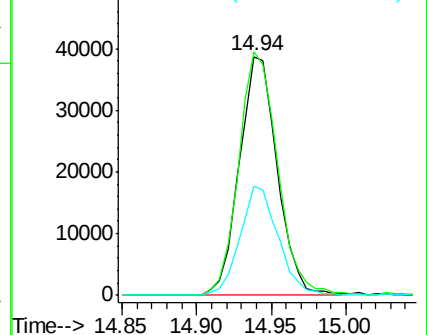
160 45.6 34.7 52.1



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: 140.218 ng

RT: 16.43 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BG028725.D

Acq: 14 Sep 2017 10:02

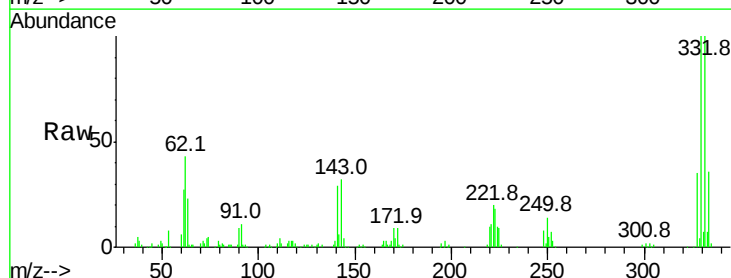
Tgt Ion:330 Resp: 157925

Ion Ratio Lower Upper

330 100

332 98.1 77.3 115.9

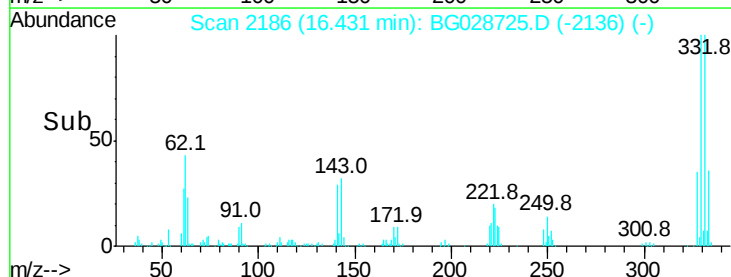
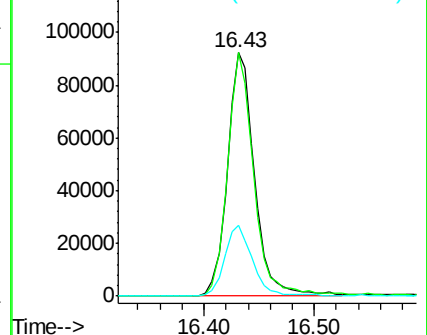
141 29.9 32.1 48.1#

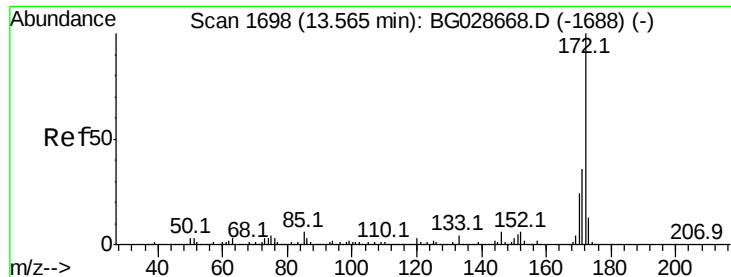


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

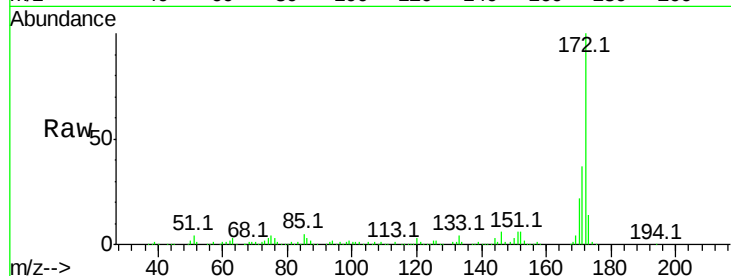




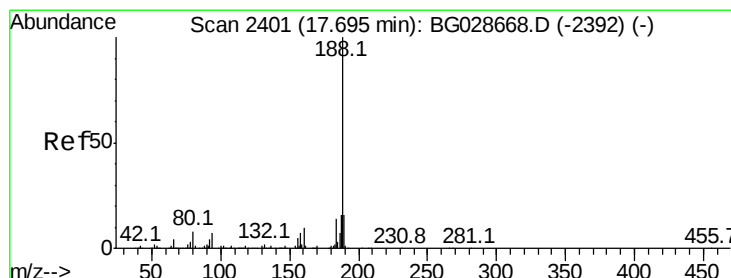
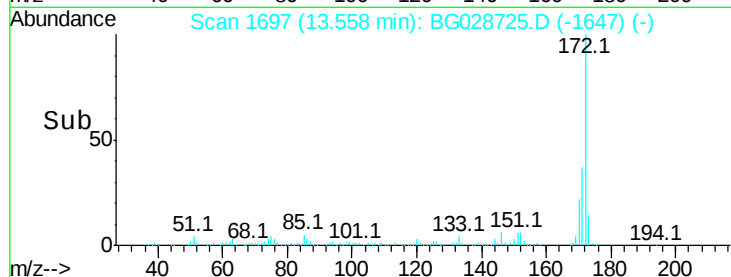
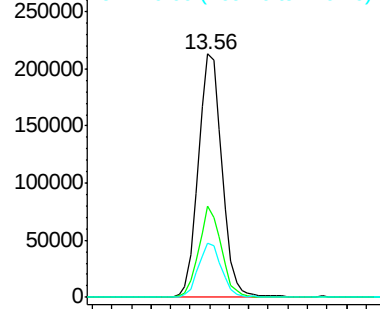
#44
2-Fluorobiphenyl
Concen: 70.229 ng
RT: 13.56 min Scan# 1697
Delta R.T. -0.01 min
Lab File: BG028725.D
Acq: 14 Sep 2017 10:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 358653
Ion Ratio Lower Upper
172 100
171 37.4 32.2 48.2
170 22.1 21.8 32.6

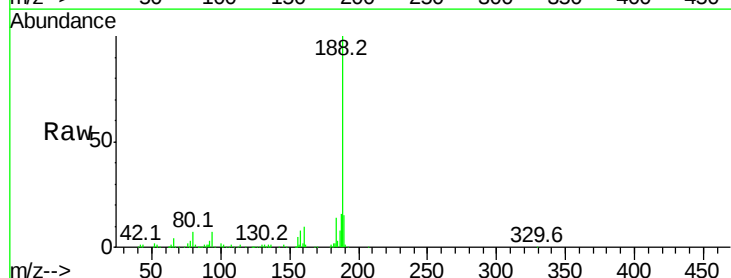


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

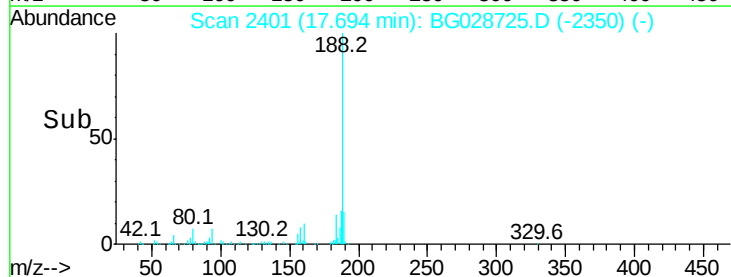
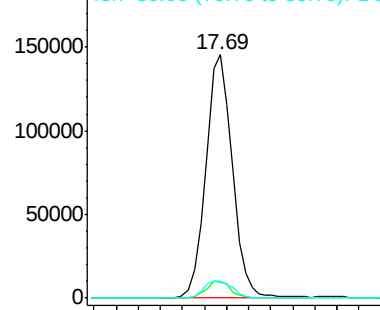


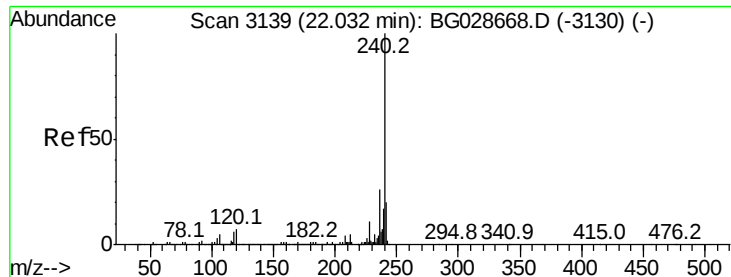
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.69 min Scan# 2401
Delta R.T. -0.00 min
Lab File: BG028725.D
Acq: 14 Sep 2017 10:02

Tgt Ion:188 Resp: 245853
Ion Ratio Lower Upper
188 100
94 6.7 5.8 8.8
80 7.2 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: 22.02 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG028725.D

Acq: 14 Sep 2017 10:02

Instrument :

BNA_G

ClientSampleId :

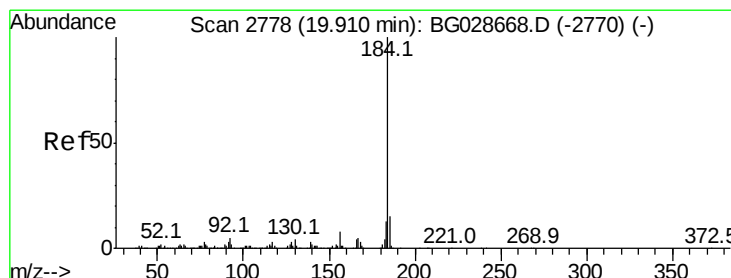
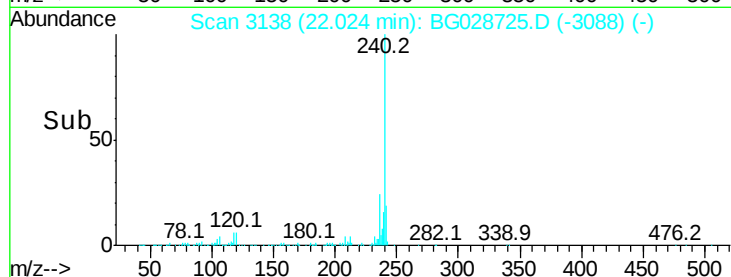
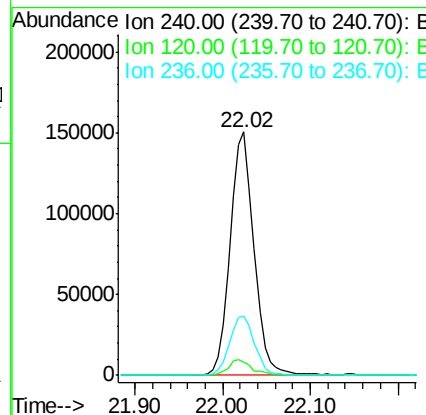
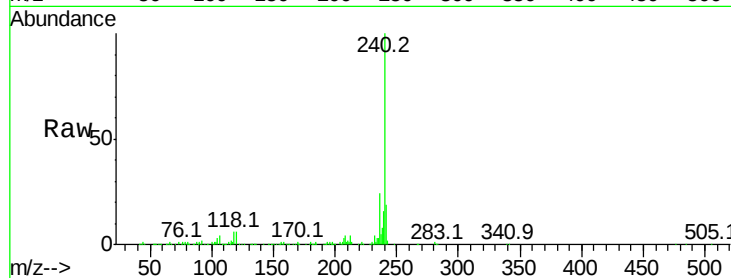
Tot Ion:240 Resp: 281321

Ion Ratio Lower Upper

240 100

120 5.6 5.7 8.5#

236 24.2 22.2 33.4



#76

Benzidine

Concen: 13.772 ng

RT: 19.91 min Scan# 2778

Delta R.T. -0.00 min

Lab File: BG028725.D

Acq: 14 Sep 2017 10:02

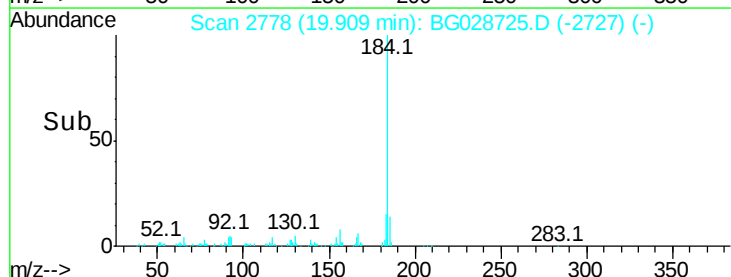
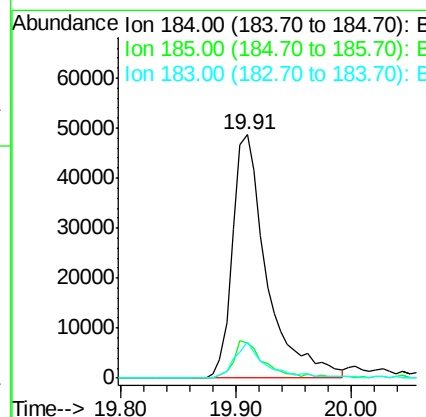
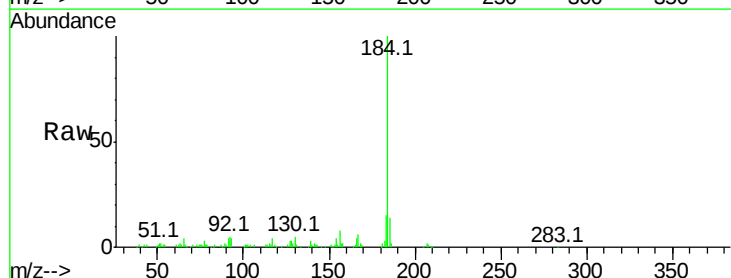
Tgt Ion:184 Resp: 100469

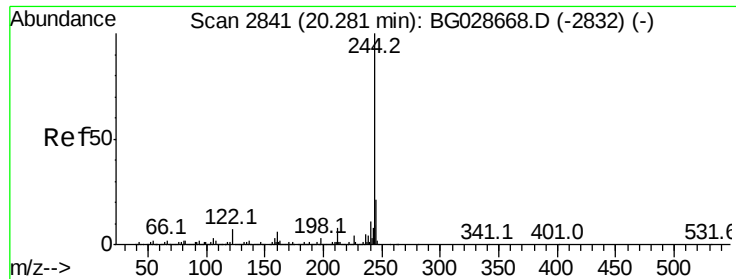
Ion Ratio Lower Upper

184 100

185 14.1 13.0 19.6

183 15.0 11.0 16.6





#78

Terphenyl-d14

Concen: 74.055 ng

RT: 20.28 min Scan# 2841

Delta R.T. -0.00 min

Lab File: BG028725.D

Acq: 14 Sep 2017 10:02

Instrument :

BNA_G

ClientSampleId :

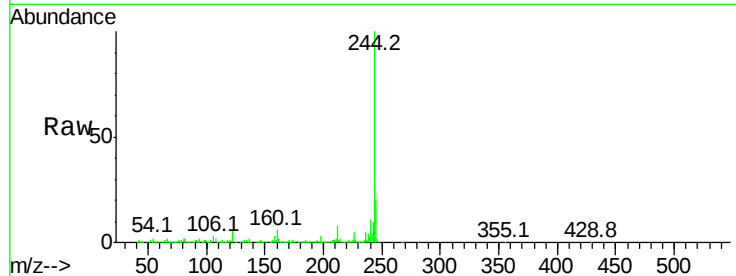
Tot Ion:244 Resp: 976906

Ion Ratio Lower Upper

244 100

212 7.5 10.0 15.0#

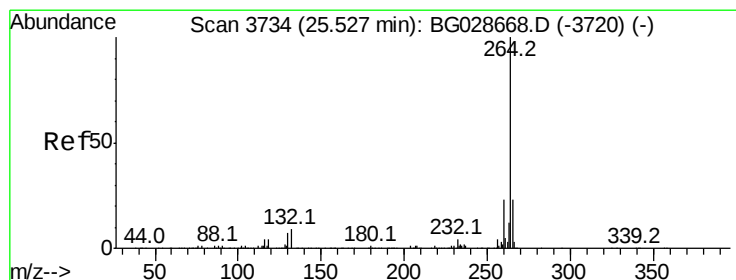
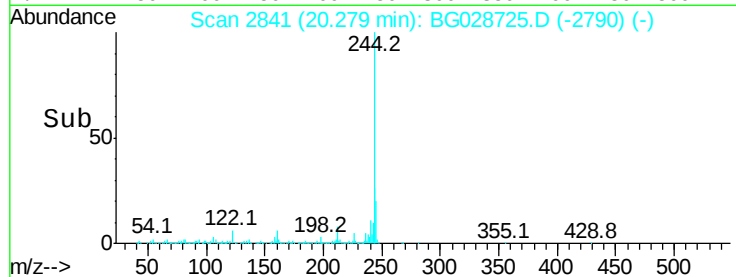
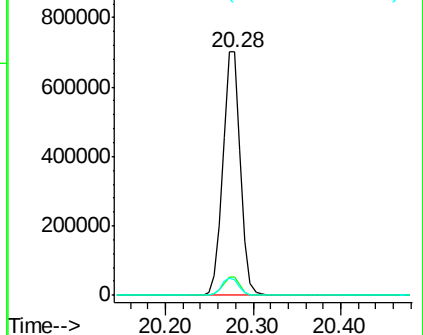
122 6.4 8.6 12.8#



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: 25.52 min Scan# 3733

Delta R.T. -0.01 min

Lab File: BG028725.D

Acq: 14 Sep 2017 10:02

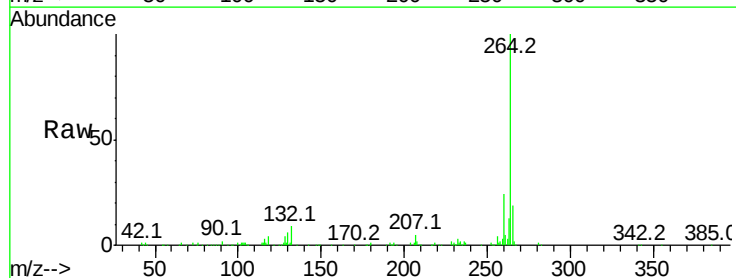
Tgt Ion:264 Resp: 282017

Ion Ratio Lower Upper

264 100

260 23.9 21.8 32.8

265 19.2 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

