

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080216\
 Data File : BE092136.D
 Acq On : 3 Aug 2016 6:51
 Operator : UM/SJ
 Sample : H4205-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-40-5.0-15.0

Quant Time: Aug 03 07:59:32 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-PAH-BE080216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 16:59:37 2016
 Response via : Initial Calibration

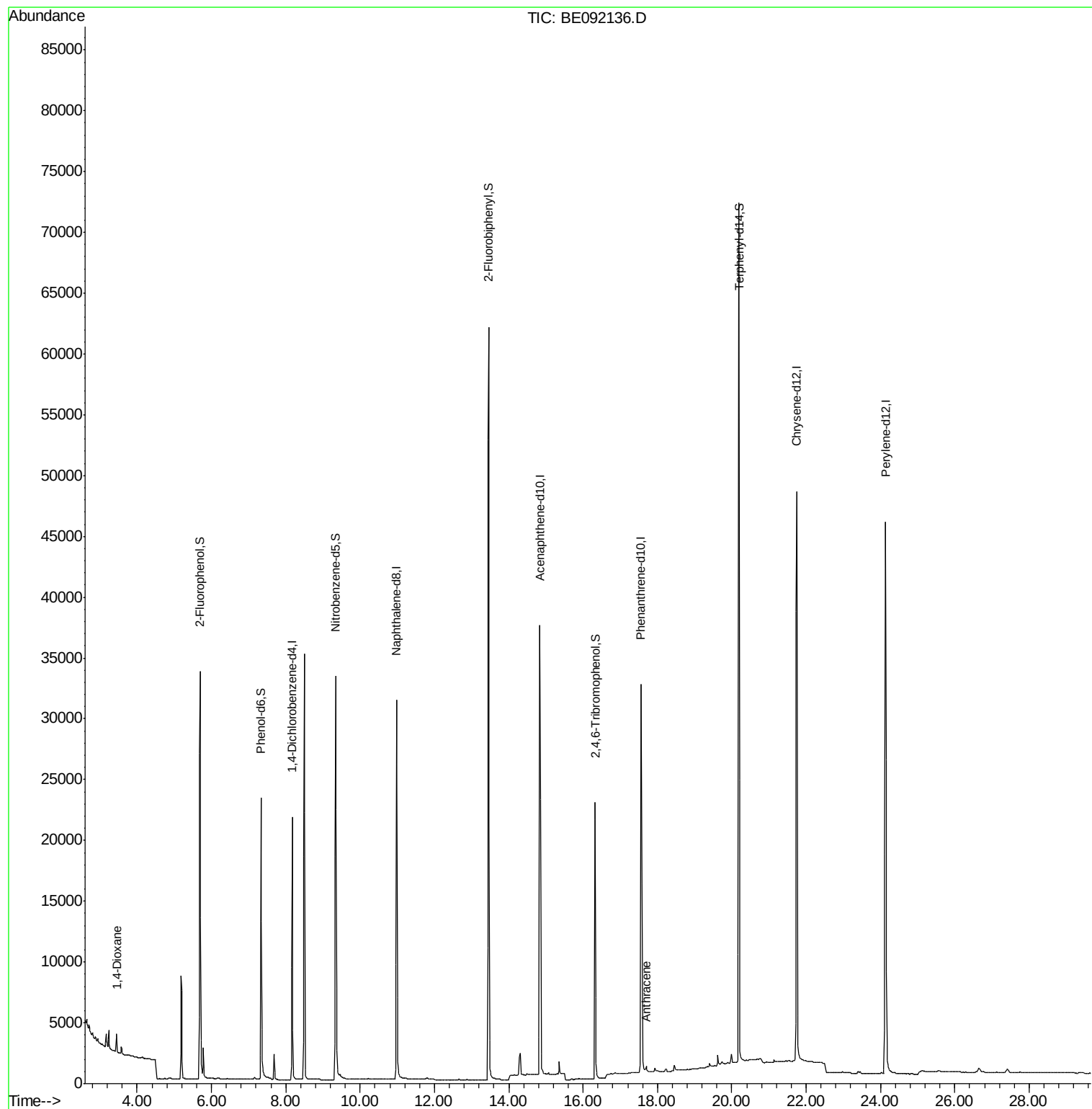
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	11122	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	49161	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	26121	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	54375	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	65663	5.00	ng	0.00
28) Perylene-d12	24.14	264	70585	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	29087	10.18	ng	0.00
5) Phenol-d6	7.34	99	25661	6.74	ng	-0.01
7) Nitrobenzene-d5	9.34	82	31993	8.25	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	16481	19.43	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	67235	8.12	ng	0.00
24) Terphenyl-d14	20.19	244	86548	9.18	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.44	88	1023	0.68	ng	Qvalue # 71
20) Anthracene	17.70	178	717	0.05	ng	96

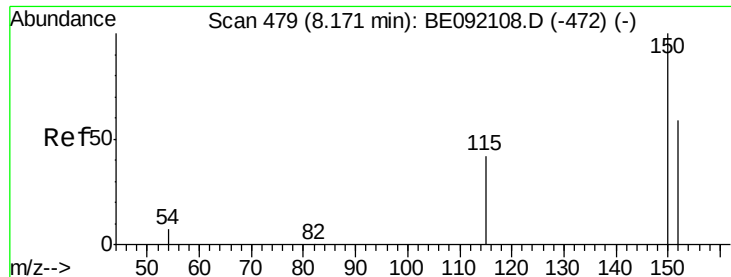
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE092136.D

Acq: 3 Aug 2016 6:51

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

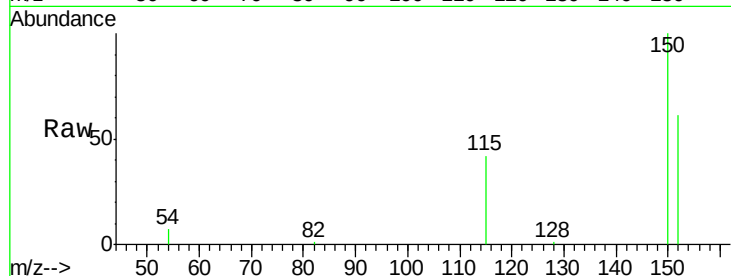
Tot Ion:152 Resp: 11122

Ion Ratio Lower Upper

152 100

150 165.1 106.0 159.0#

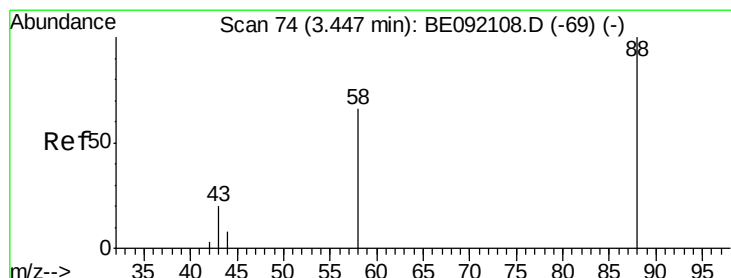
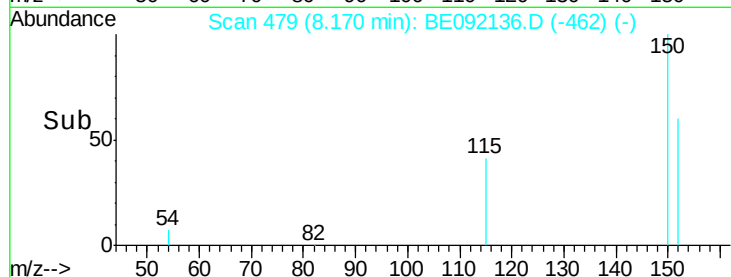
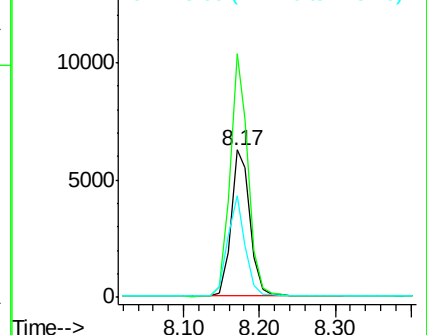
115 69.1 36.9 55.3#



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



#2

1,4-Dioxane

Concen: 0.68 ng

RT: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092136.D

Acq: 3 Aug 2016 6:51

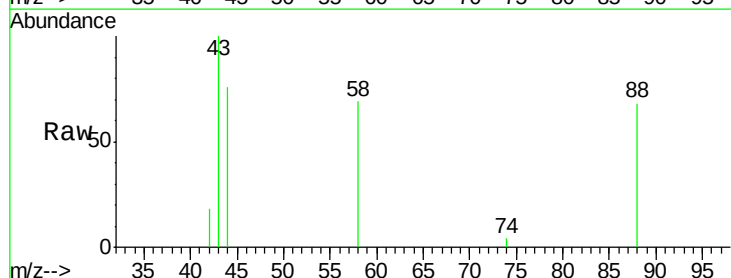
Tgt Ion: 88 Resp: 1023

Ion Ratio Lower Upper

88 100

58 89.1 62.1 93.1

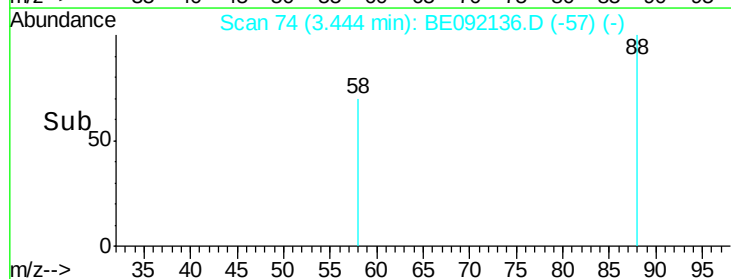
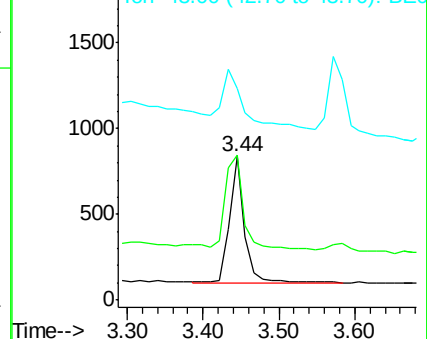
43 71.2 27.2 40.8#

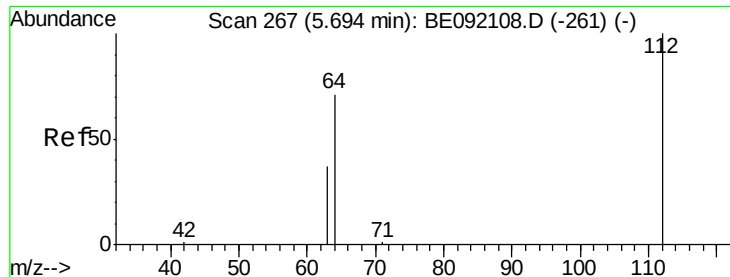


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 10.18 ng

RT: 5.70 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092136.D

Acq: 3 Aug 2016 6:51

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

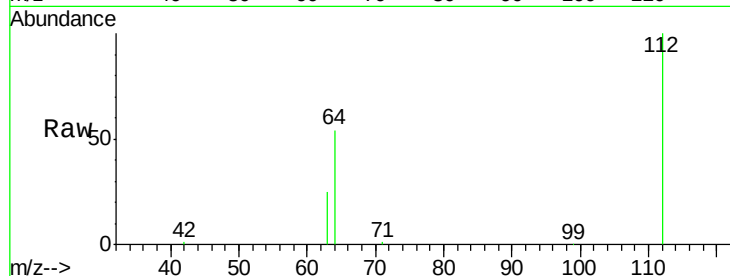
Tot Ion:112 Resp: 29087

Ion Ratio Lower Upper

112 100

64 66.8 55.9 83.9

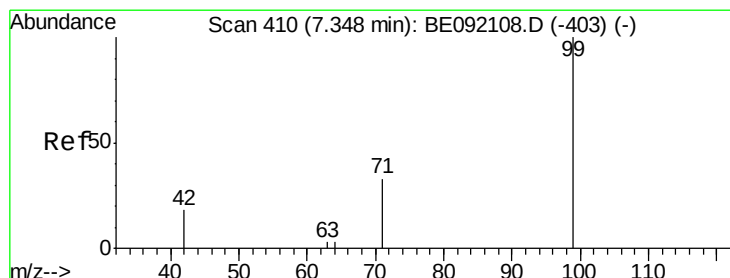
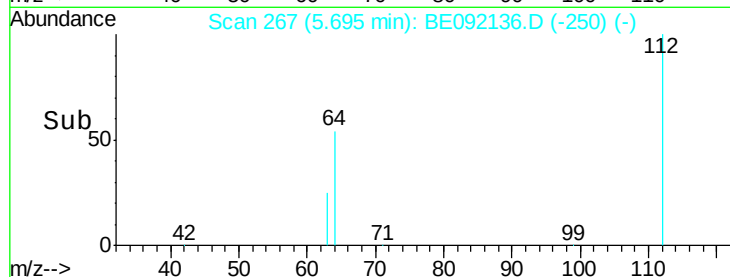
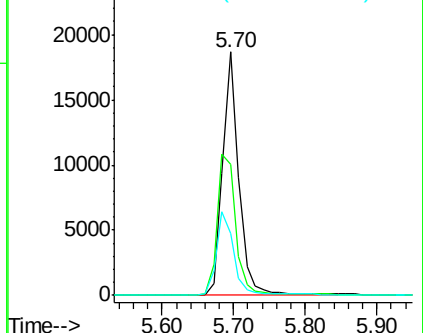
63 36.2 31.1 46.7



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 6.74 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092136.D

Acq: 3 Aug 2016 6:51

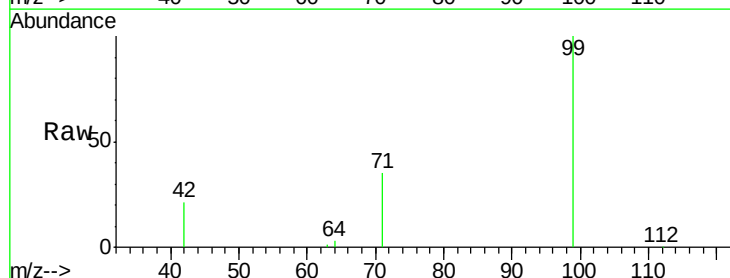
Tgt Ion: 99 Resp: 25661

Ion Ratio Lower Upper

99 100

42 24.9 22.4 33.6

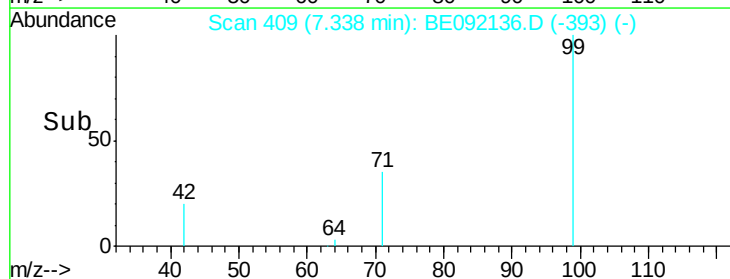
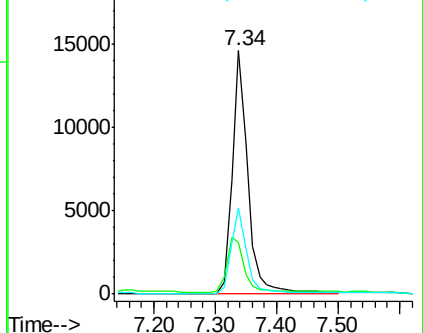
71 35.2 28.9 43.3

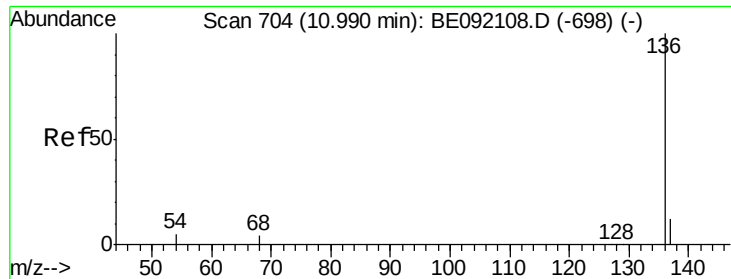


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

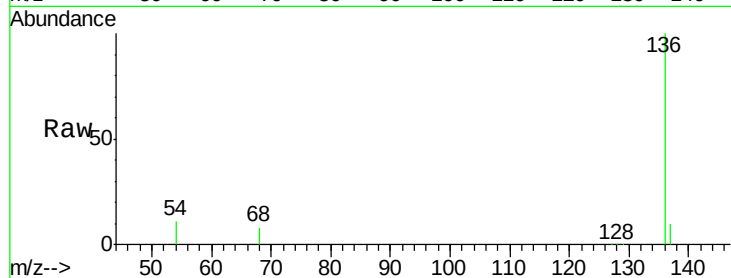




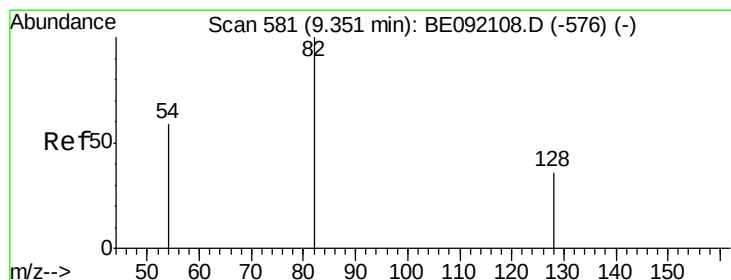
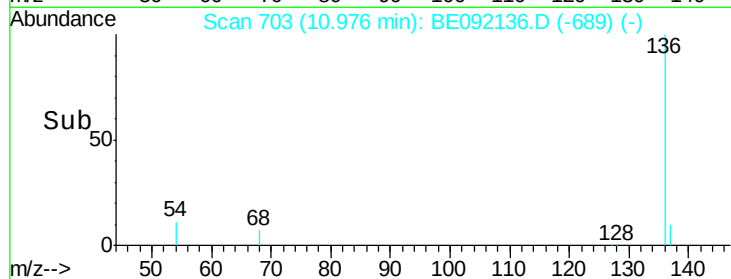
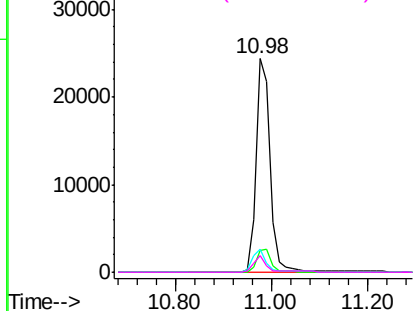
#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.98 min Scan# 703
Delta R.T. -0.01 min
Lab File: BE092136.D
Acq: 3 Aug 2016 6:51

Instrument :
BNA_E
ClientSampleId :
GW-40-5.0-15.0

Tot Ion:136	Resp:	49161
Ion Ratio	Lower	Upper
136	100	
137	10.3	9.1 13.7
54	10.8	2.7 4.1#
68	7.6	2.2 3.4#

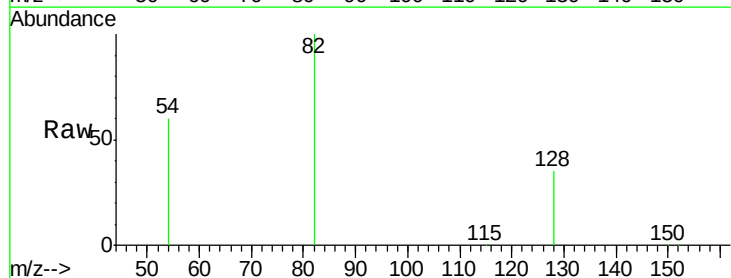


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0

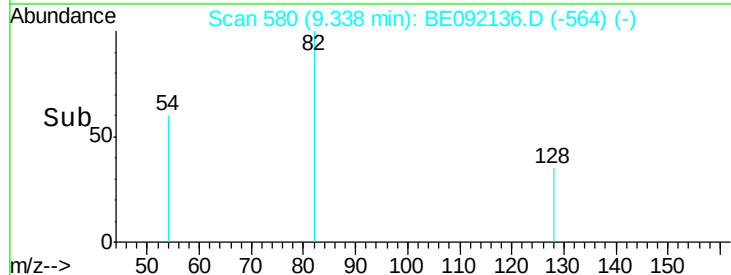
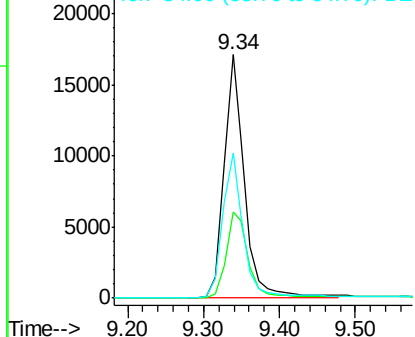


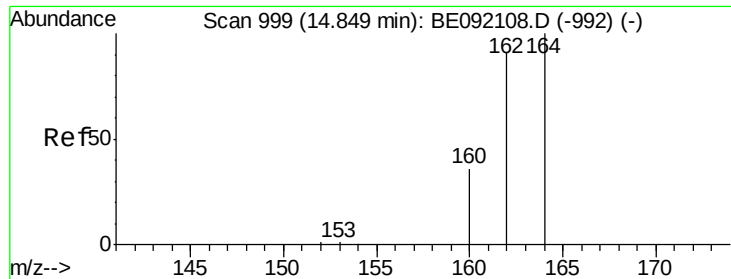
#7
Nitrobenzene-d5
Concen: 8.25 ng
RT: 9.34 min Scan# 580
Delta R.T. -0.01 min
Lab File: BE092136.D
Acq: 3 Aug 2016 6:51

Tgt Ion: 82	Resp:	31993
Ion Ratio	Lower	Upper
82	100	
128	35.1	33.0 49.4
54	59.7	42.6 63.8



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0





#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092136.D

Acq: 3 Aug 2016 6:51

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

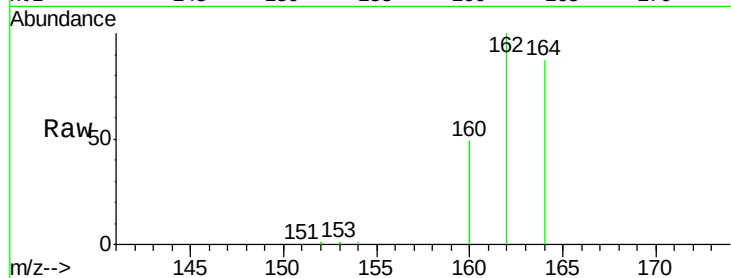
Tot Ion:164 Resp: 26121

Ion Ratio Lower Upper

164 100

162 115.2 69.5 104.3#

160 56.8 27.6 41.4#



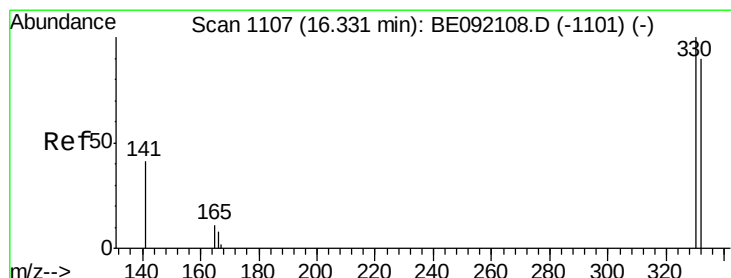
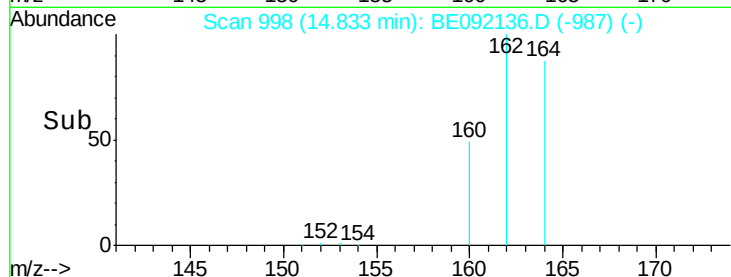
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.83

Time--> 14.60 14.80 15.00



#11

2,4,6-Tribromophenol

Concen: 19.43 ng

RT: 16.33 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE092136.D

Acq: 3 Aug 2016 6:51

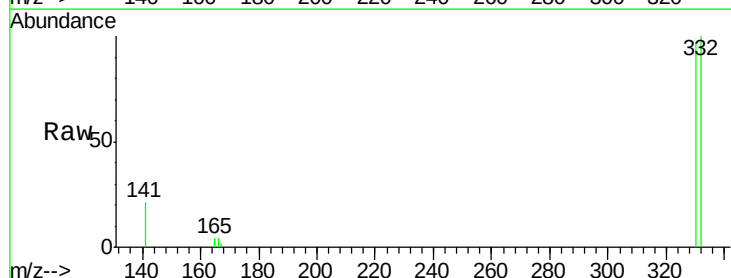
Tgt Ion:330 Resp: 16481

Ion Ratio Lower Upper

330 100

332 96.2 74.2 111.4

141 43.3 139.8 209.8#



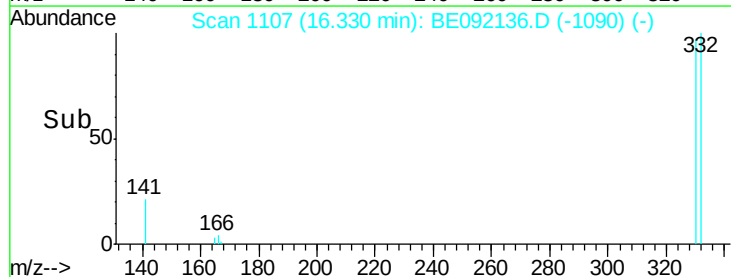
Abundance Ion 329.80 (329.50 to 330.50): E

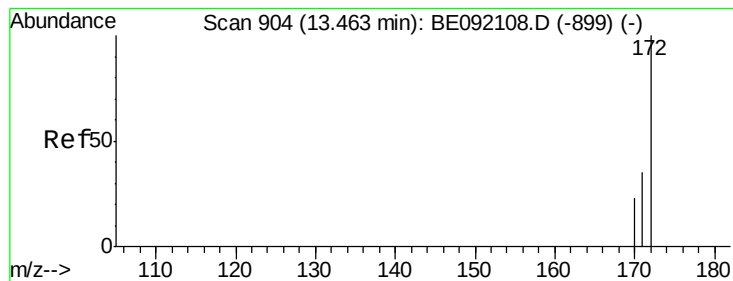
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

16.33

Time--> 16.20 16.40

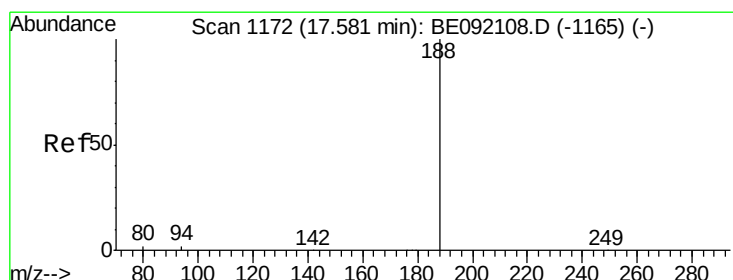
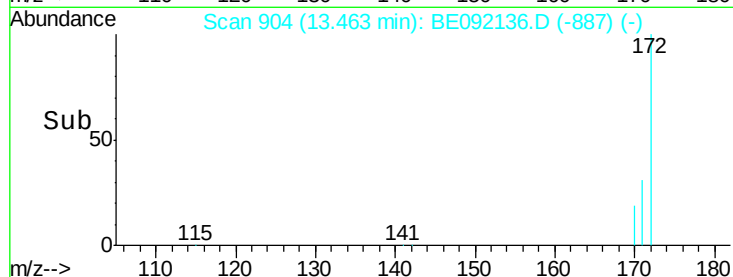
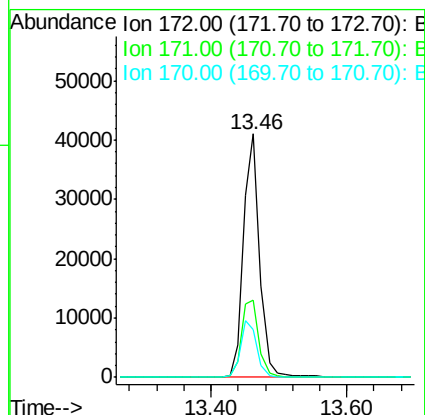
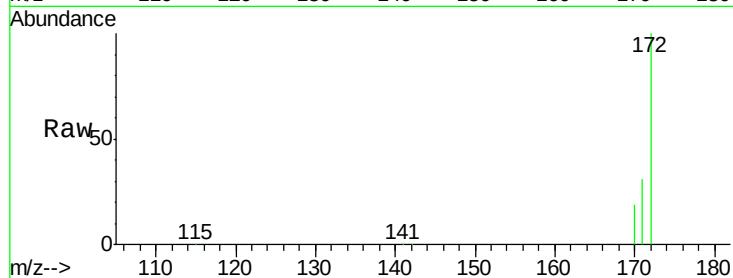




#12
2-Fluorobiphenyl
Concen: 8.12 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092136.D
Acq: 3 Aug 2016 6:51

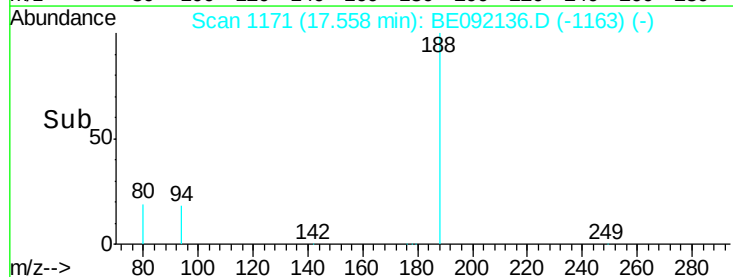
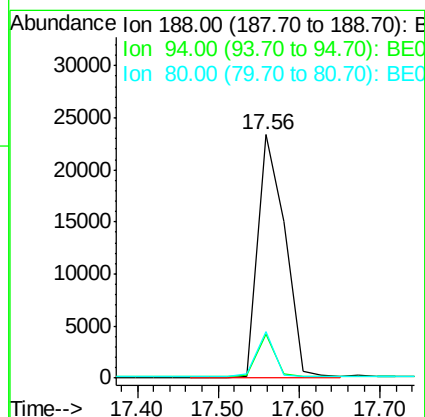
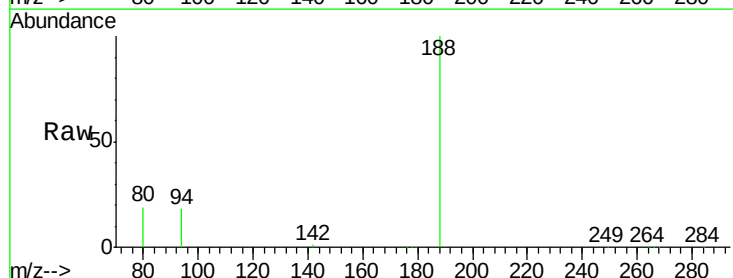
Instrument :
BNA_E
ClientSampleId :
GW-40-5.0-15.0

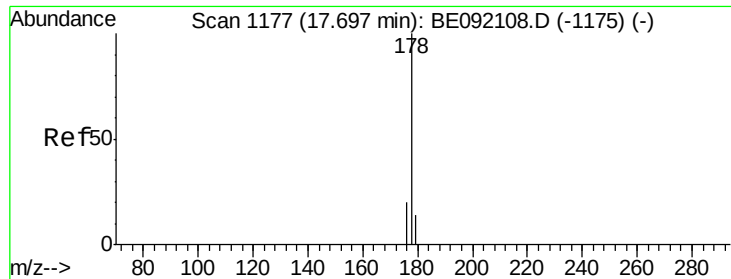
Tot Ion:172 Resp: 67235
Ion Ratio Lower Upper
172 100
171 31.5 30.3 45.5
170 19.4 21.6 32.4#



#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092136.D
Acq: 3 Aug 2016 6:51

Tgt Ion:188 Resp: 54375
Ion Ratio Lower Upper
188 100
94 18.1 3.9 5.9#
80 19.3 3.4 5.0#





#20

Anthracene

Concen: 0.05 ng

RT: 17.70 min Scan# 1177

Delta R.T. -0.00 min

Lab File: BE092136.D

Acq: 3 Aug 2016 6:51

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

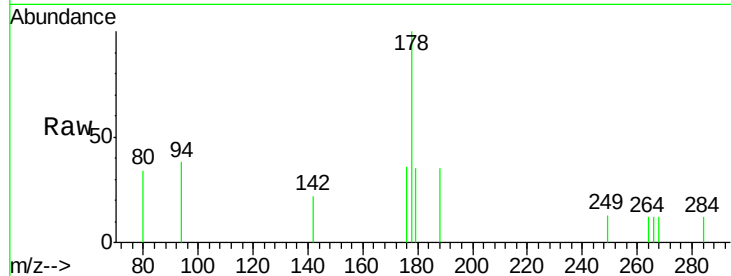
Tot Ion:178 Resp: 717

Ion Ratio Lower Upper

178 100

176 17.7 15.2 22.8

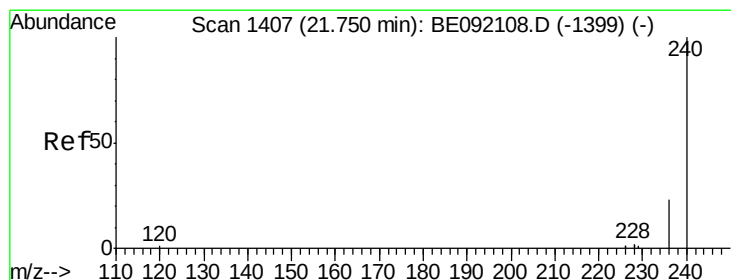
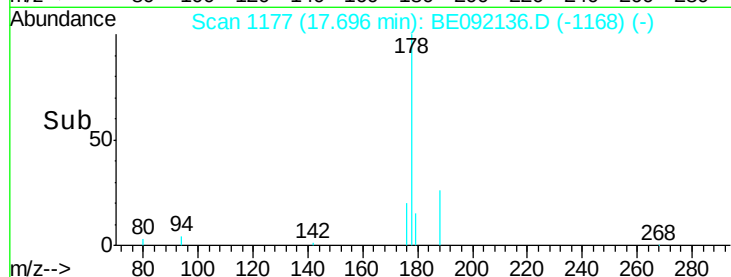
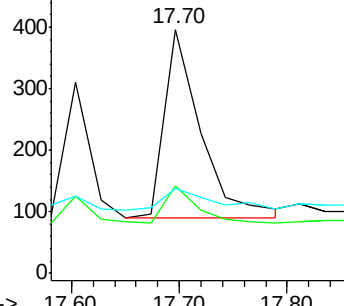
179 17.3 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1407

Delta R.T. -0.00 min

Lab File: BE092136.D

Acq: 3 Aug 2016 6:51

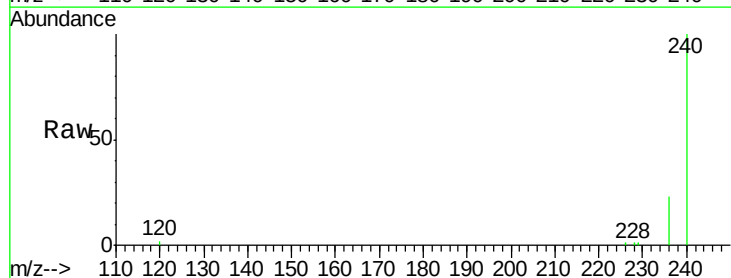
Tgt Ion:240 Resp: 65663

Ion Ratio Lower Upper

240 100

120 1.7 0.6 1.0#

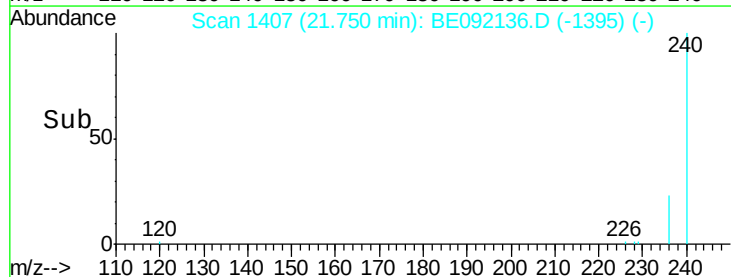
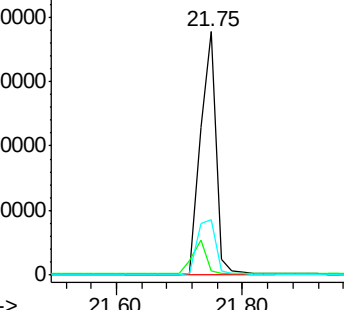
236 22.9 18.2 27.4

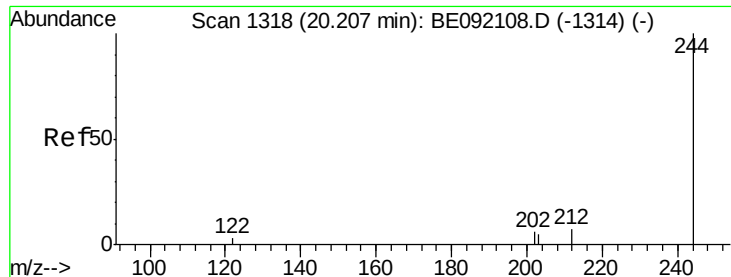


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#24

Terphenyl-d14

Concen: 9.18 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092136.D

Acq: 3 Aug 2016 6:51

Instrument :

BNA_E

ClientSampleId :

GW-40-5.0-15.0

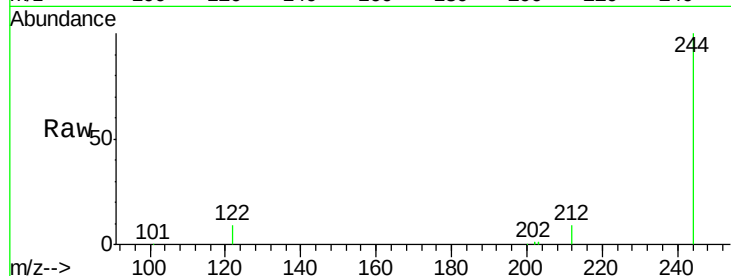
Tot Ion:244 Resp: 86548

Ion Ratio Lower Upper

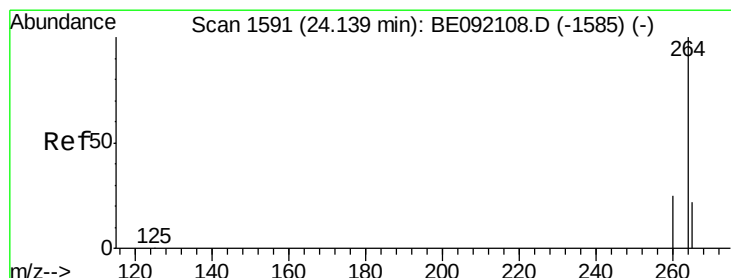
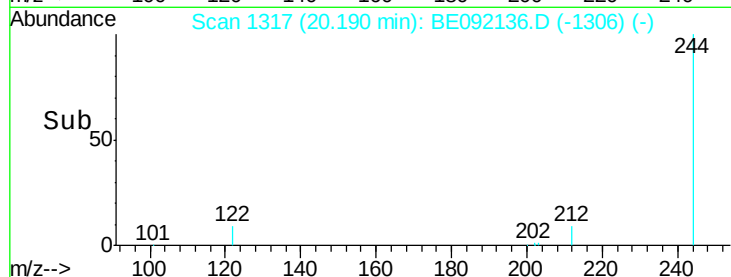
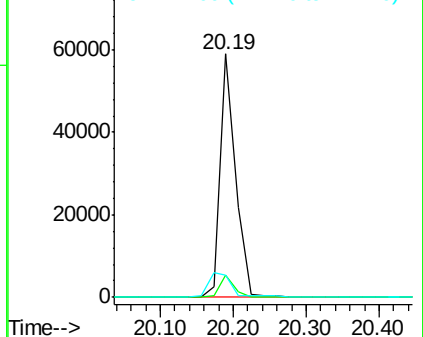
244 100

212 9.2 9.1 13.7

122 9.2 11.0 16.4#



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



#28

Perylene-d12

Concen: 5.00 ng

RT: 24.14 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BE092136.D

Acq: 3 Aug 2016 6:51

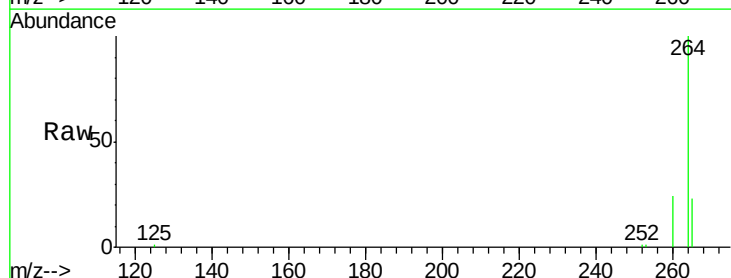
Tgt Ion:264 Resp: 70585

Ion Ratio Lower Upper

264 100

260 24.0 20.8 31.2

265 22.9 16.6 25.0



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

