

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051616\
 Data File : BE091774.D
 Acq On : 16 May 2016 15:22
 Operator : UM/SJ
 Sample : H3084-14
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LF017MW001-160512

Quant Time: May 17 12:34:47 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE042616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 26 16:09:46 2016
 Response via : Initial Calibration

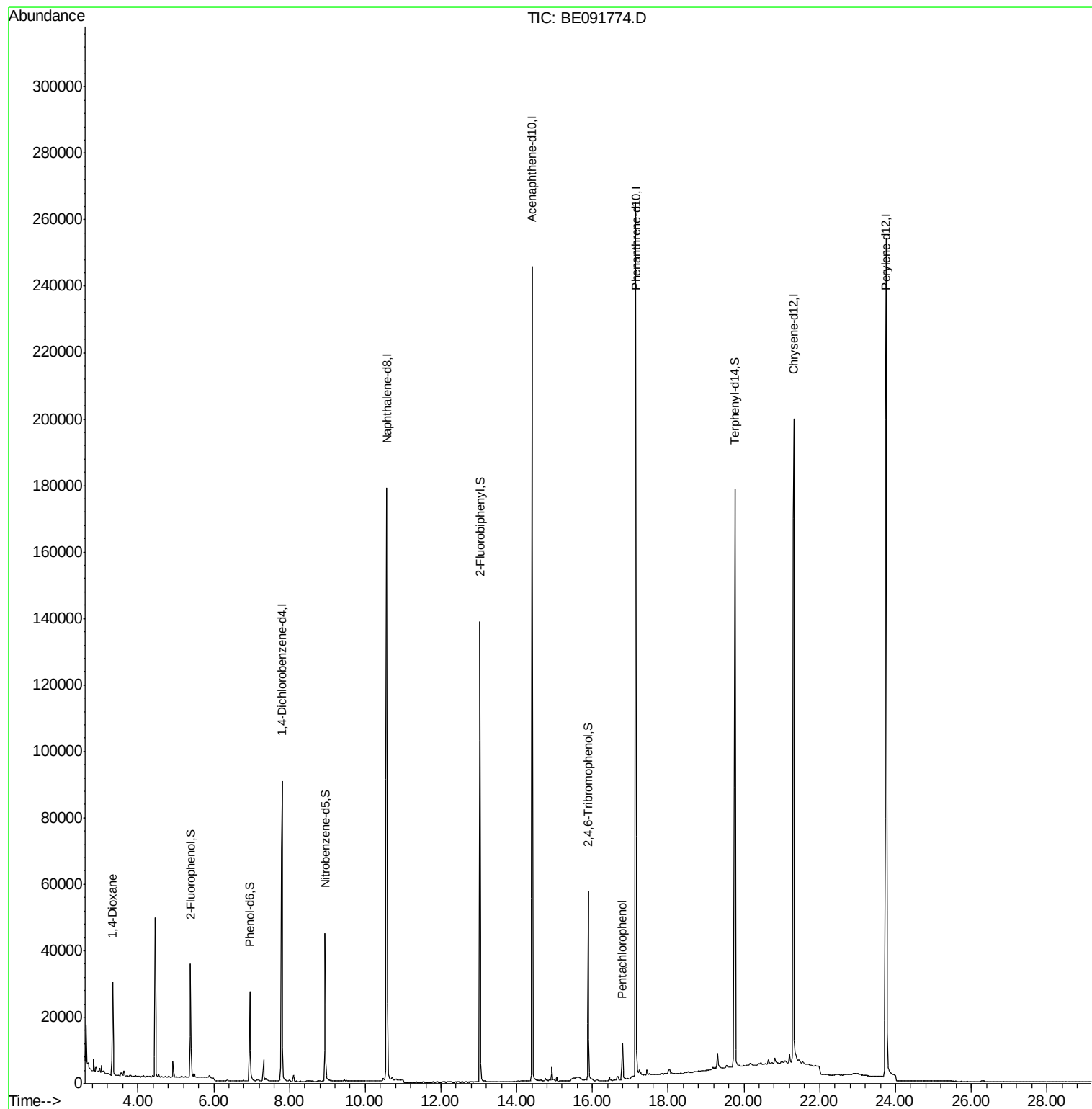
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	55858	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	270990	5.00	ng	0.00
13) Acenaphthene-d10	14.40	164	157476	5.00	ng	-0.01
19) Phenanthrene-d10	17.15	188	418234	5.00	ng	0.00
26) Chrysene-d12	21.31	240	364017	5.00	ng	0.00
35) Perylene-d12	23.75	264	373603	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	28512	2.08	ng	0.00
5) Phenol-d6	6.95	99	31425	1.73	ng	0.00
8) Nitrobenzene-d5	8.95	82	43624	2.49	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	39824	6.82	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	139237	3.13	ng	0.00
29) Terphenyl-d14	19.76	244	250611	4.41	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.33	88	18247	2.76	ng	Qvalue # 93
22) Pentachlorophenol	16.79	266	9220	1.22	ng	89

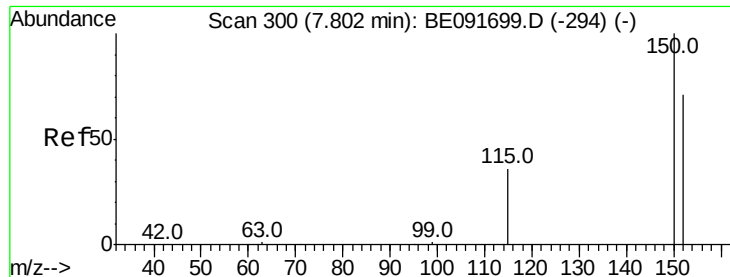
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.00 min

Lab File: BE091774.D

Acq: 16 May 2016 15:22

Instrument :

BNA_E

ClientSampleId :

LF017MW001-160512

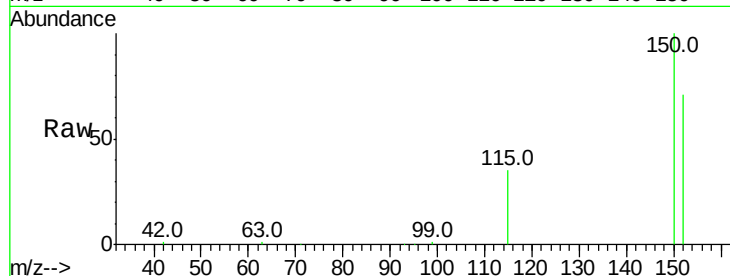
Tot Ion:152 Resp: 55858

Ion Ratio Lower Upper

152 100

150 140.1 122.6 183.8

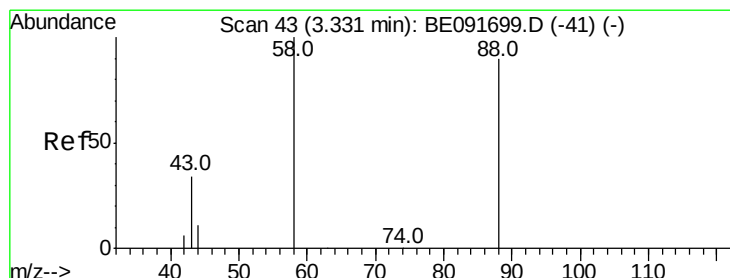
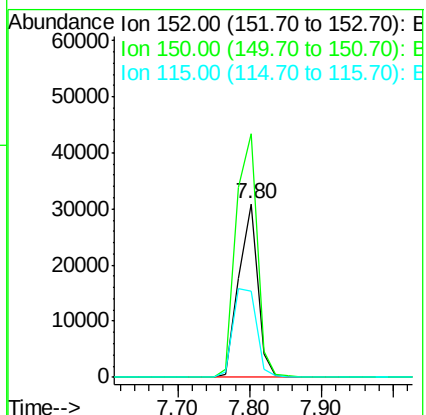
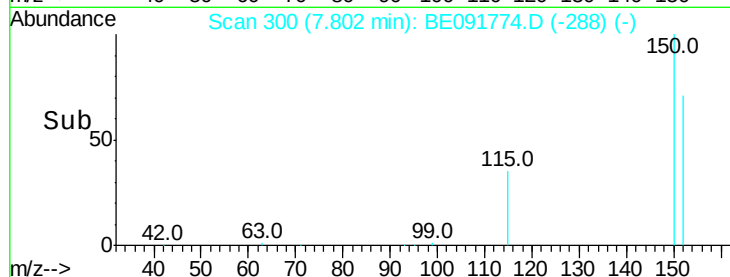
115 49.5 52.8 79.2#



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: 2.76 ng

RT: 3.33 min Scan# 43

Delta R.T. 0.00 min

Lab File: BE091774.D

Acq: 16 May 2016 15:22

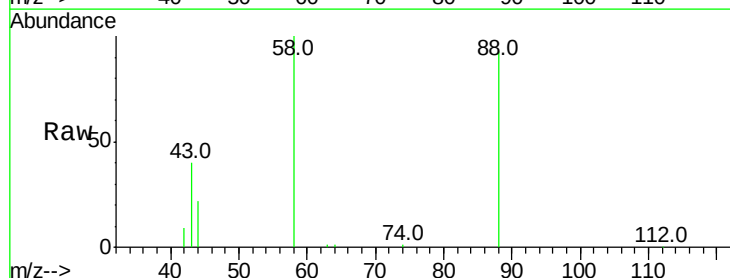
Tgt Ion: 88 Resp: 18247

Ion Ratio Lower Upper

88 100

58 85.7 65.8 98.6

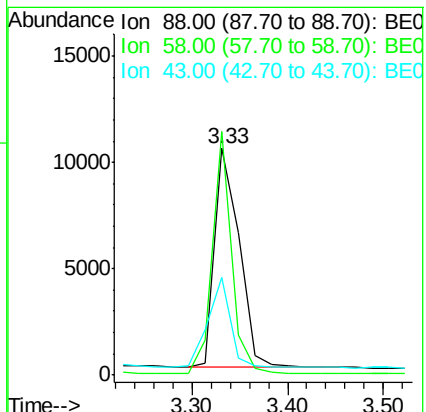
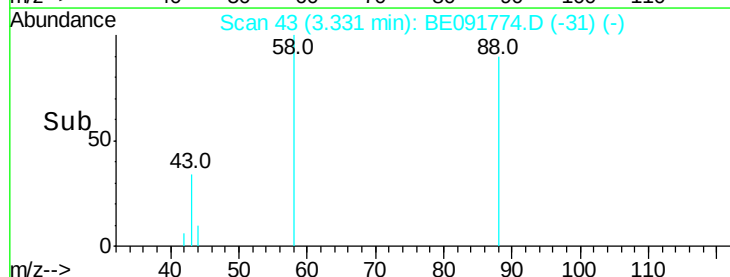
43 39.3 25.3 37.9#

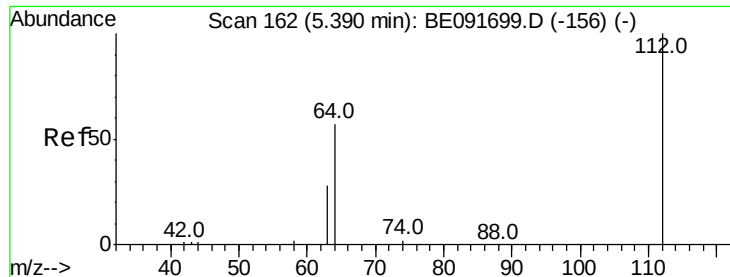


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 2.08 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091774.D

Acq: 16 May 2016 15:22

Instrument :

BNA_E

ClientSampleId :

LF017MW001-160512

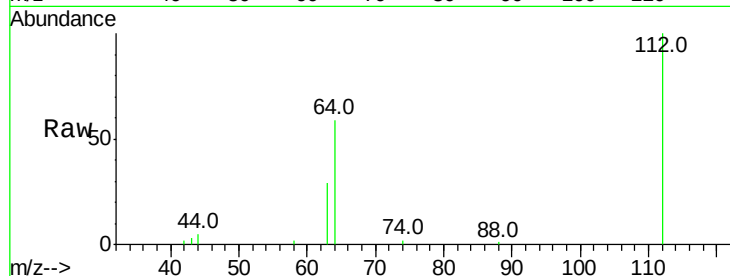
Tot Ion:112 Resp: 28512

Ion Ratio Lower Upper

112 100

64 66.2 30.9 46.3#

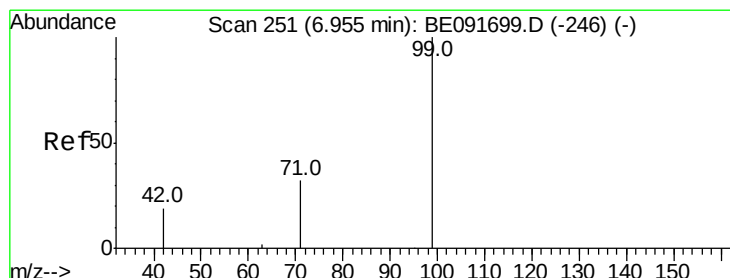
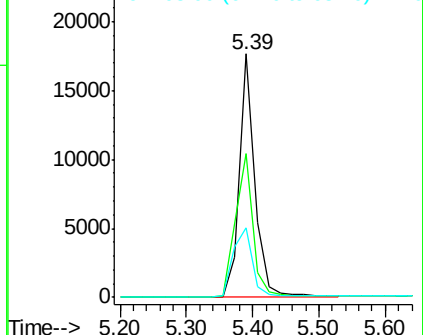
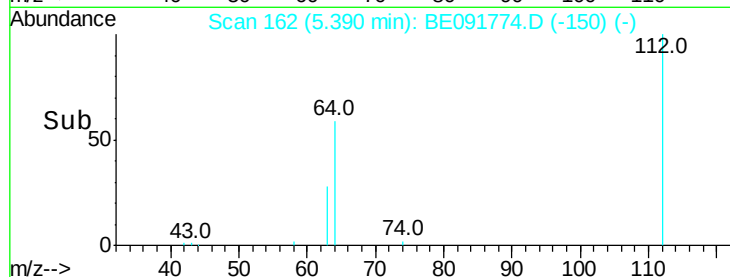
63 35.7 16.7 25.1#



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: 1.73 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091774.D

Acq: 16 May 2016 15:22

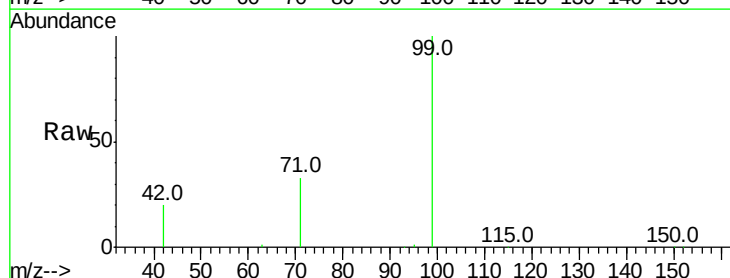
Tgt Ion: 99 Resp: 31425

Ion Ratio Lower Upper

99 100

42 23.9 16.2 24.2

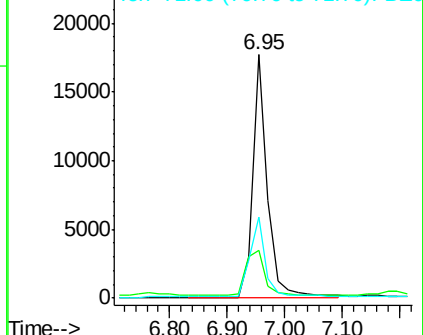
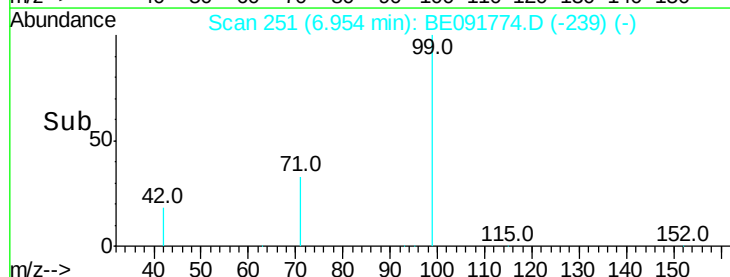
71 35.9 29.0 43.4

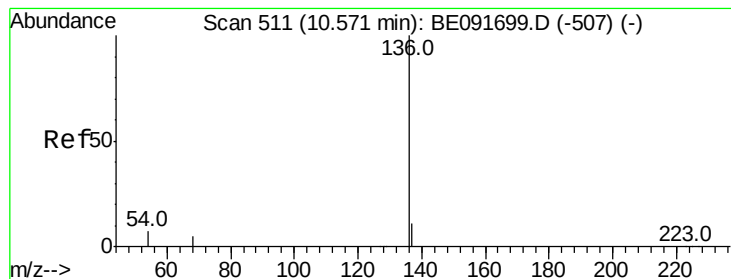


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. 0.00 min

Lab File: BE091774.D

Acq: 16 May 2016 15:22

Instrument :

BNA_E

ClientSampleId :

LF017MW001-160512

Tot Ion:136 Resp: 270990

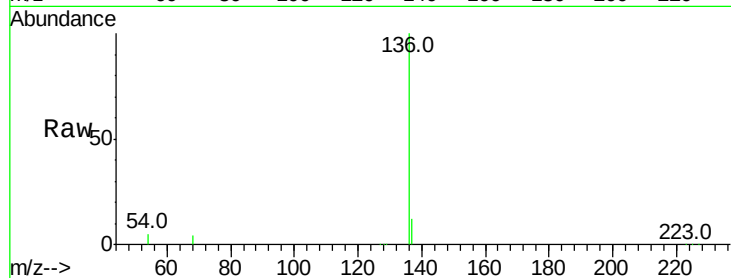
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 5.2 8.2 12.4#

68 4.2 6.2 9.4#

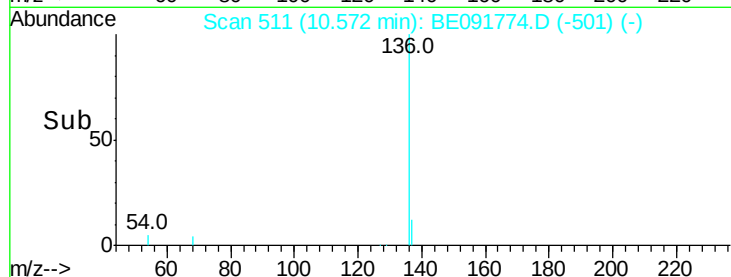


Abundance Ion 136.00 (135.70 to 136.70): E

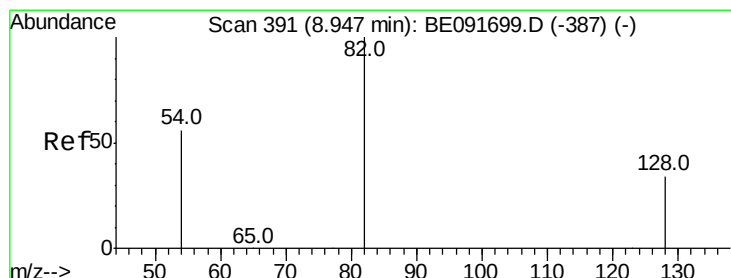
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time--> 10.40 10.50 10.60 10.70



#8

Nitrobenzene-d5

Concen: 2.49 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091774.D

Acq: 16 May 2016 15:22

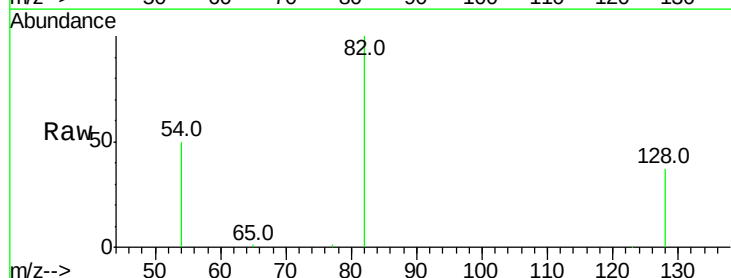
Tgt Ion: 82 Resp: 43624

Ion Ratio Lower Upper

82 100

128 37.0 25.4 38.0

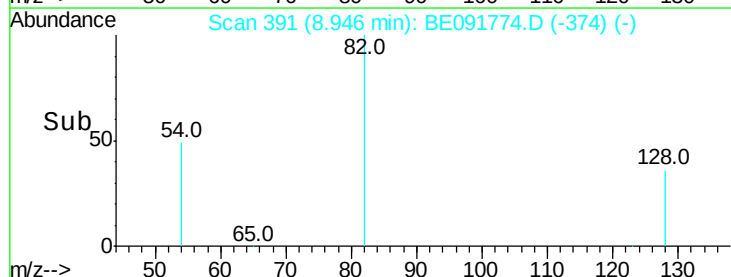
54 49.6 48.4 72.6



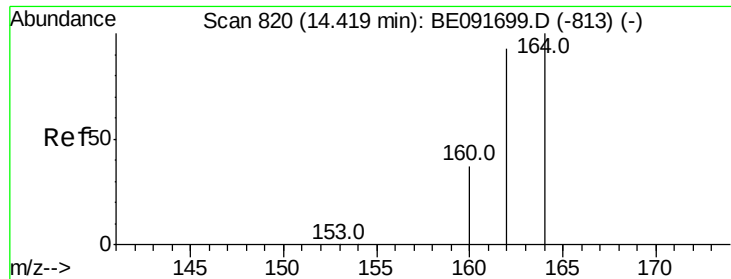
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time--> 8.80 8.90 9.00 9.10



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091774.D

Acq: 16 May 2016 15:22

Instrument :

BNA_E

ClientSampleId :

LF017MW001-160512

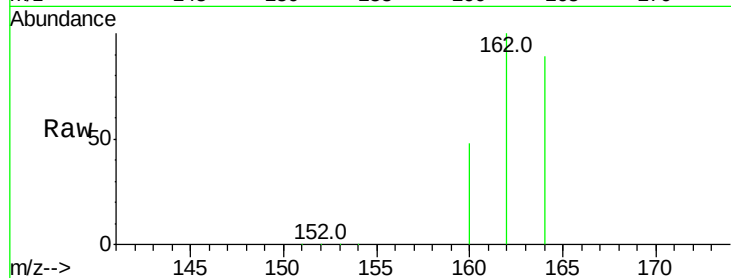
Tot Ion:164 Resp: 157476

Ion Ratio Lower Upper

164 100

162 112.8 85.3 127.9

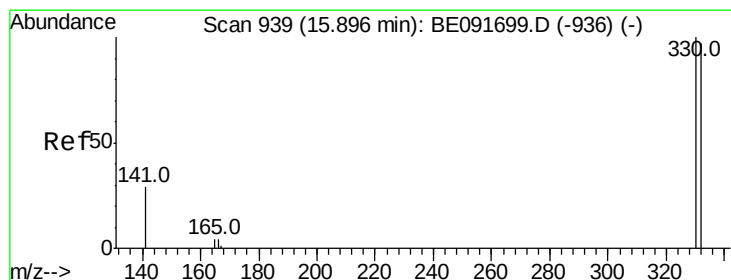
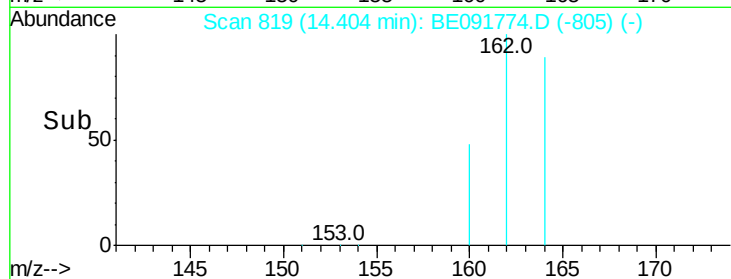
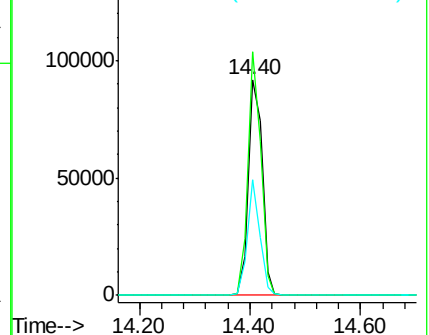
160 53.7 46.2 69.2



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

2,4,6-Tribromophenol

Concen: 6.82 ng

RT: 15.88 min Scan# 938

Delta R.T. -0.01 min

Lab File: BE091774.D

Acq: 16 May 2016 15:22

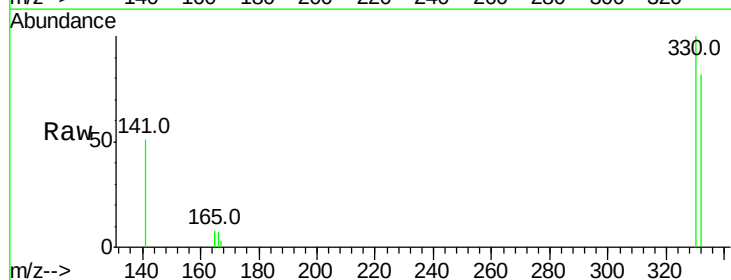
Tgt Ion:330 Resp: 39824

Ion Ratio Lower Upper

330 100

332 96.8 79.1 118.7

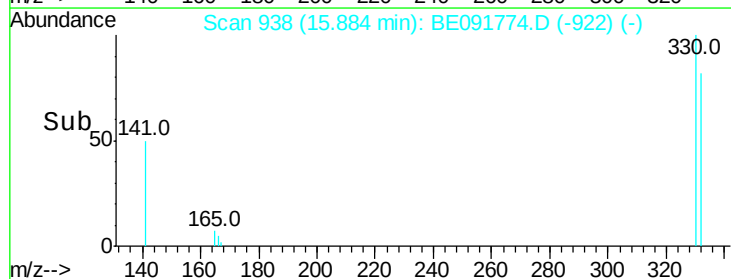
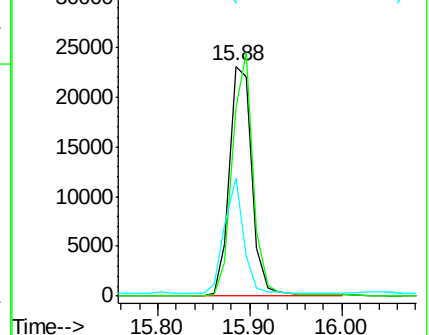
141 43.1 125.4 188.0#

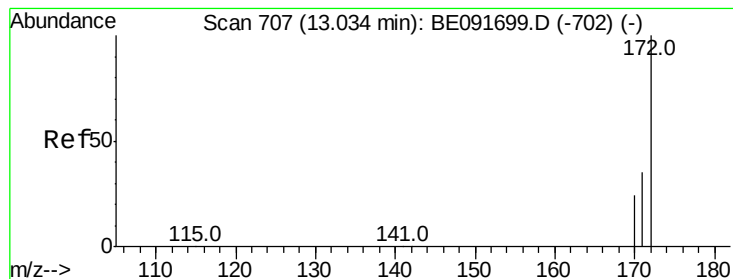


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

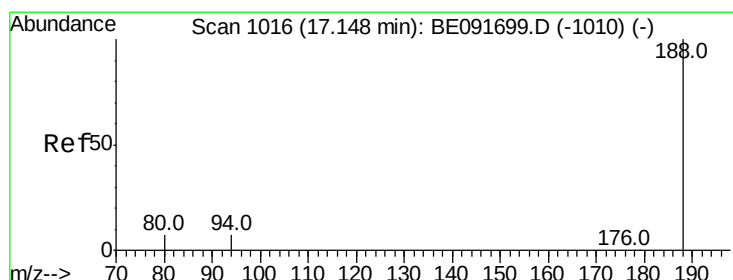
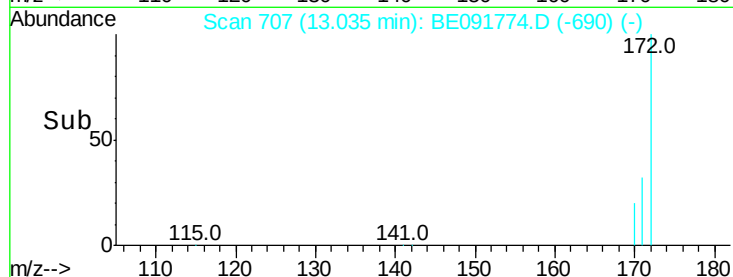
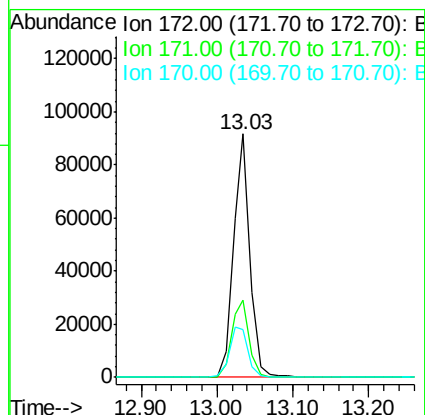
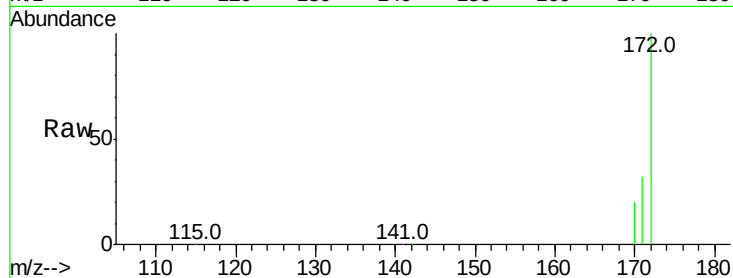




#15
2-Fluorobiphenyl
Concen: 3.13 ng
RT: 13.03 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091774.D
Acq: 16 May 2016 15:22

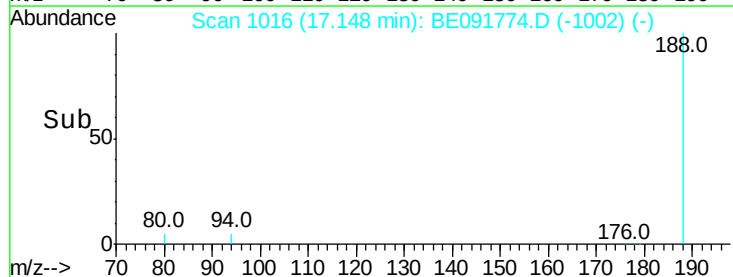
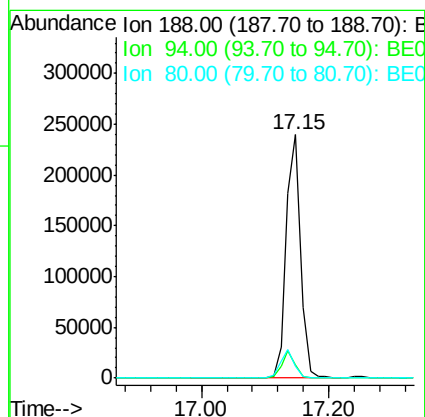
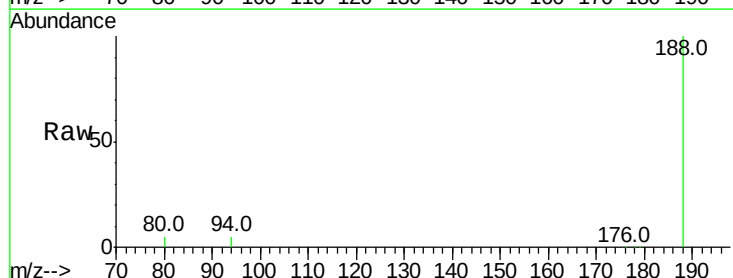
Instrument :
BNA_E
ClientSampleId :
LF017MW001-160512

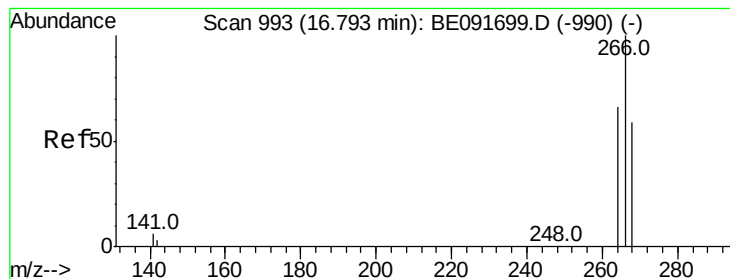
Tot Ion:172 Resp: 139237
Ion Ratio Lower Upper
172 100
171 31.6 28.8 43.2
170 19.6 19.3 28.9



#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BE091774.D
Acq: 16 May 2016 15:22

Tgt Ion:188 Resp: 418234
Ion Ratio Lower Upper
188 100
94 5.5 8.7 13.1#
80 4.6 9.4 14.0#





#22

Pentachlorophenol

Concen: 1.22 ng

RT: 16.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: BE091774.D

Acq: 16 May 2016 15:22

Instrument :

BNA_E

ClientSampleId :

LF017MW001-160512

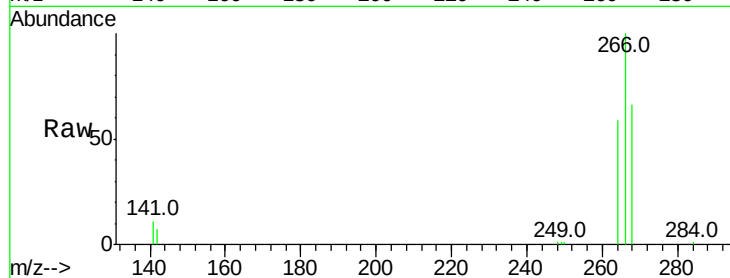
Tot Ion:266 Resp: 9220

Ion Ratio Lower Upper

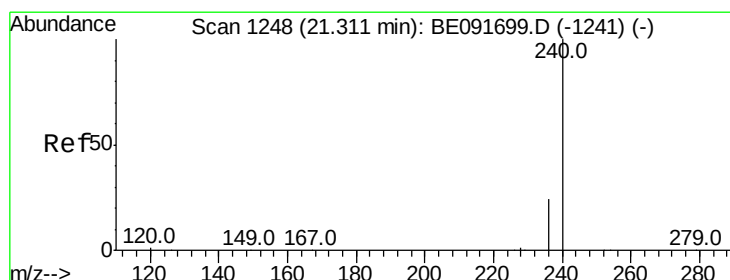
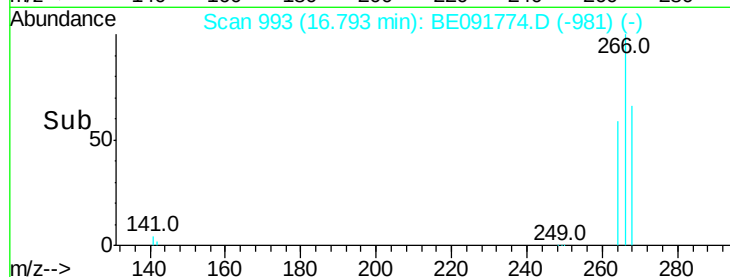
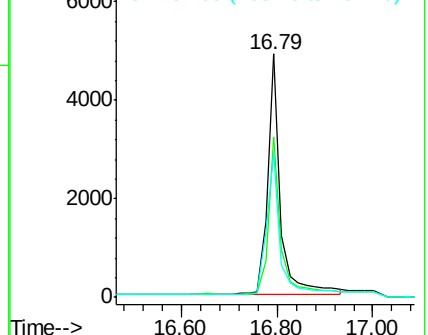
266 100

268 66.1 58.2 87.2

264 59.0 56.2 84.4



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.31 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE091774.D

Acq: 16 May 2016 15:22

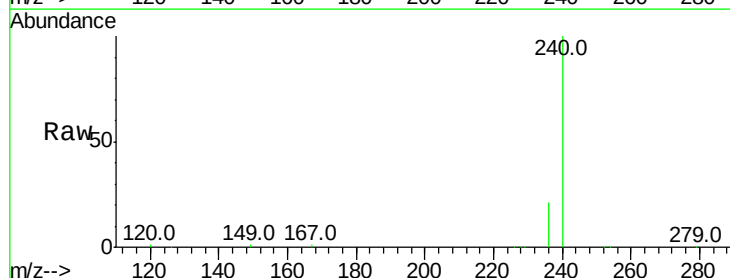
Tgt Ion:240 Resp: 364017

Ion Ratio Lower Upper

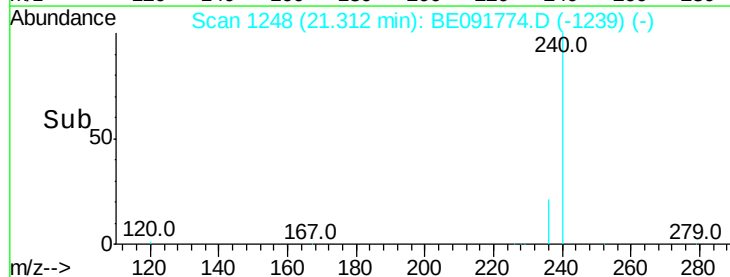
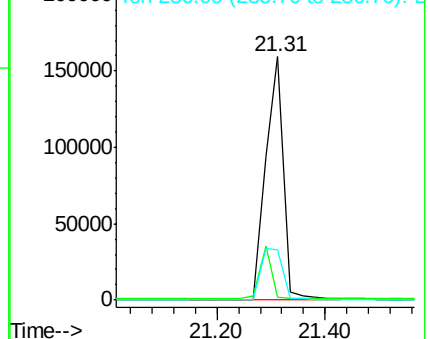
240 100

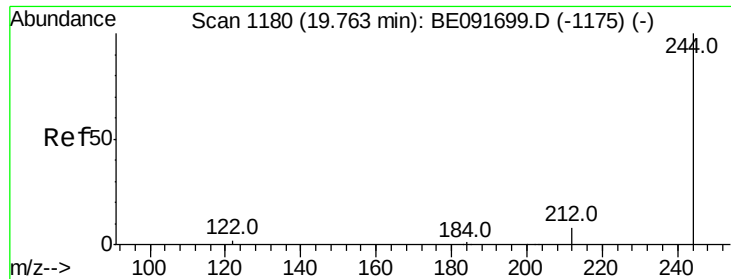
120 1.3 11.0 16.4#

236 20.8 21.7 32.5#



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





#29

Terphenyl-d14

Concen: 4.41 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091774.D

Acq: 16 May 2016 15:22

Instrument :

BNA_E

ClientSampleId :

LF017MW001-160512

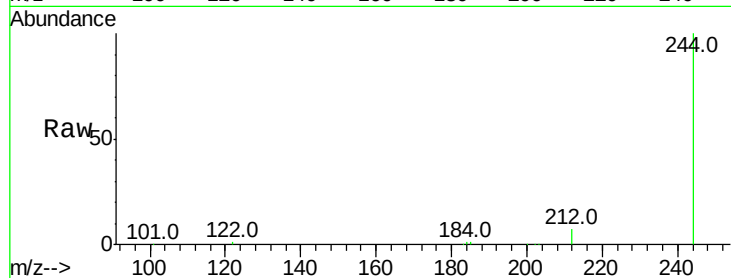
Tot Ion:244 Resp: 250611

Ion Ratio Lower Upper

244 100

212 7.0 6.9 10.3

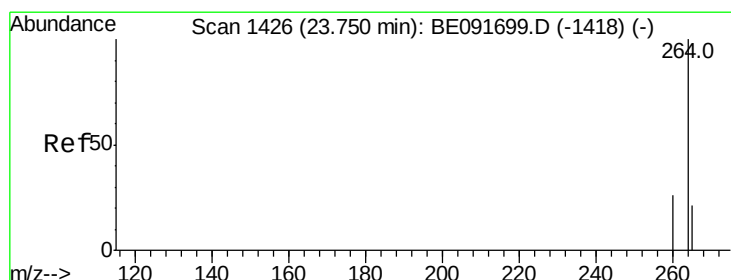
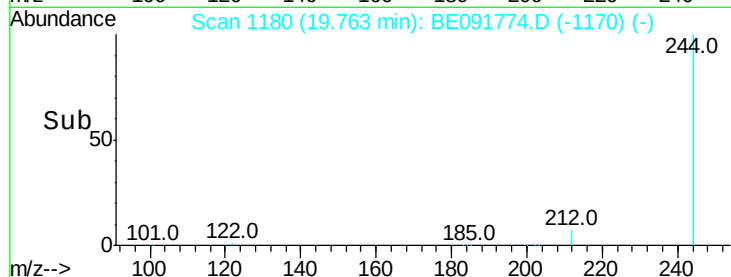
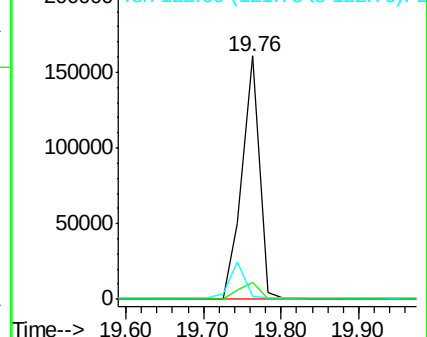
122 1.5 11.0 16.4#



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



#35

Perylene-d12

Concen: 5.00 ng

RT: 23.75 min Scan# 1426

Delta R.T. -0.00 min

Lab File: BE091774.D

Acq: 16 May 2016 15:22

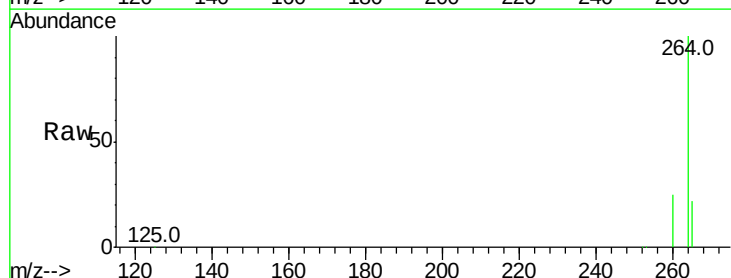
Tgt Ion:264 Resp: 373603

Ion Ratio Lower Upper

264 100

260 25.0 20.0 30.0

265 21.9 17.5 26.3



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

