

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE042616\
 Data File : BE091706.D
 Acq On : 26 Apr 2016 16:14
 Operator : UM/SJ
 Sample : PB90006BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB90006BL

Quant Time: Apr 27 00:47:40 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

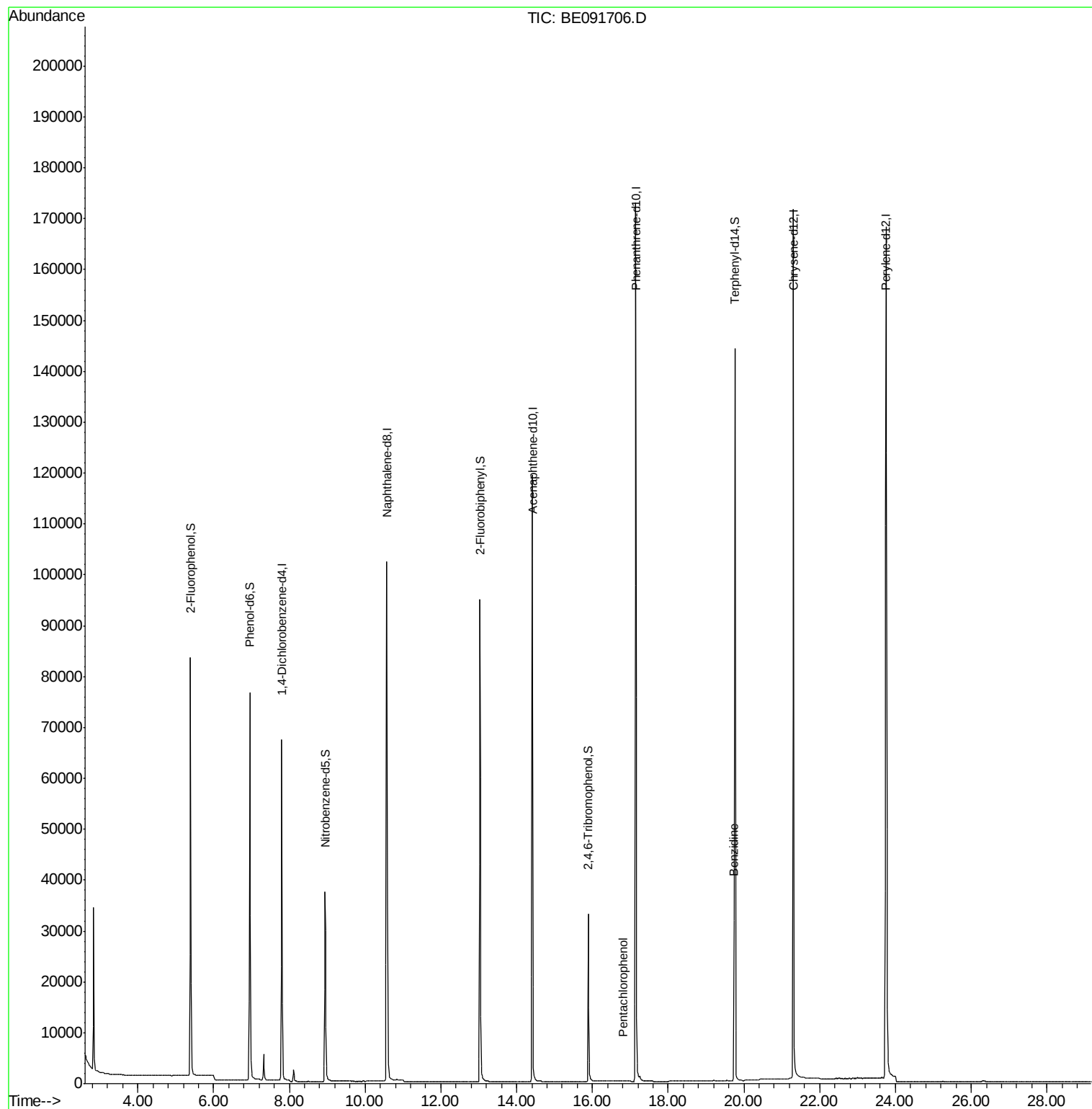
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	33798	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	149458	5.00	ng	0.00
13) Acenaphthene-d10	14.42	164	85338	5.00	ng	0.00
19) Phenanthrene-d10	17.15	188	221079	5.00	ng	0.00
26) Chrysene-d12	21.31	240	250144	5.00	ng	0.00
35) Perylene-d12	23.75	264	247128	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	63163	7.61	ng	0.00
5) Phenol-d6	6.95	99	84778	7.70	ng	0.00
8) Nitrobenzene-d5	8.95	82	37264	3.86	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	25600	8.06	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	98040	4.06	ng	0.00
29) Terphenyl-d14	19.76	244	175399	4.50	ng	0.00
Target Compounds						
22) Pentachlorophenol	16.81	266	50	0.11	ng	# 73
27) Benzidine	19.74	184	2883	0.30	ng	# 84

(#) = 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: BE091706.D

Acq: 26 Apr 2016 16:14

Instrument :

BNA_E

ClientSampleId :

PB90006BL

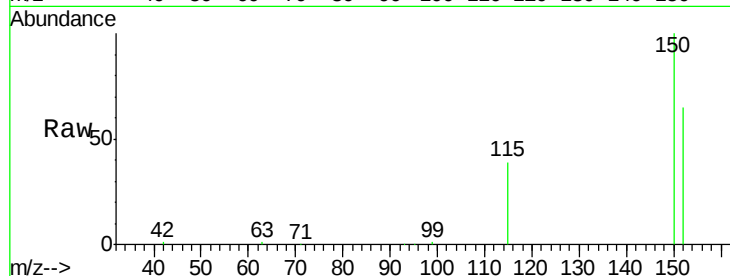
Tgt Ion:152 Resp: 33798

Ion Ratio Lower Upper

152 100

150 153.1 122.6 183.8

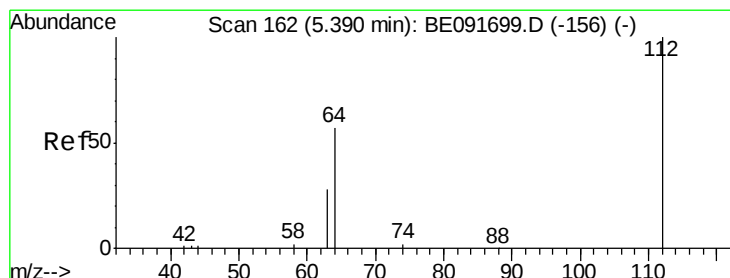
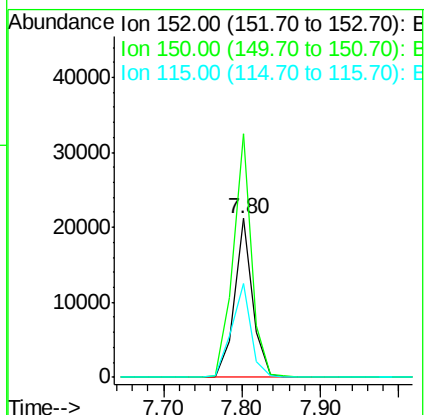
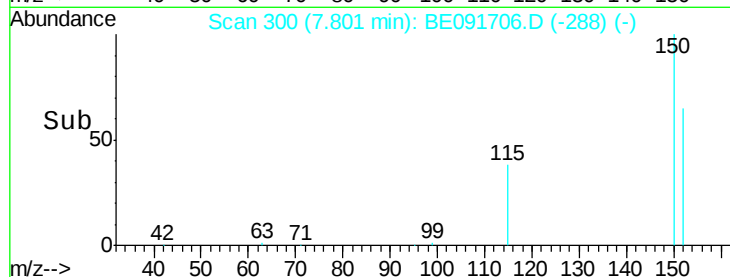
115 59.1 52.8 79.2



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



#4

2-Fluorophenol

Concen: 7.61 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091706.D

Acq: 26 Apr 2016 16:14

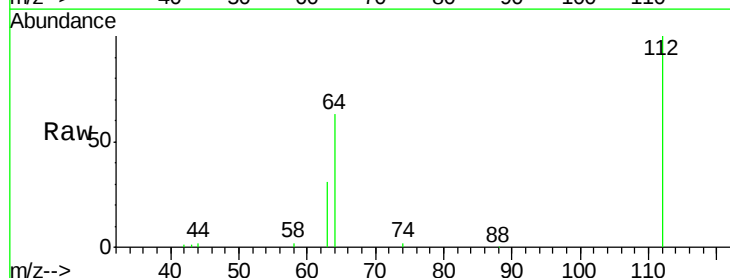
Tgt Ion:112 Resp: 63163

Ion Ratio Lower Upper

112 100

64 66.5 30.9 46.3#

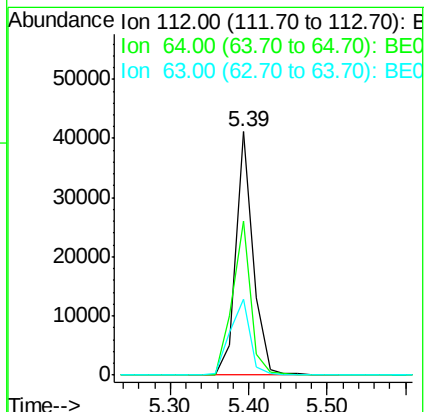
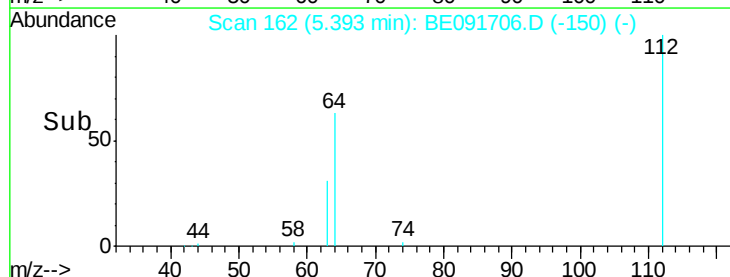
63 36.1 16.7 25.1#

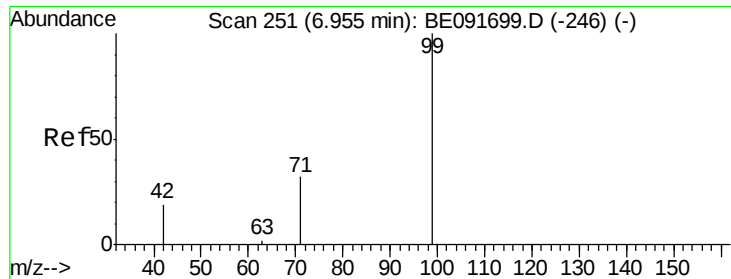


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.70 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091706.D

Acq: 26 Apr 2016 16:14

Instrument :

BNA_E

ClientSampled :

PB90006BL

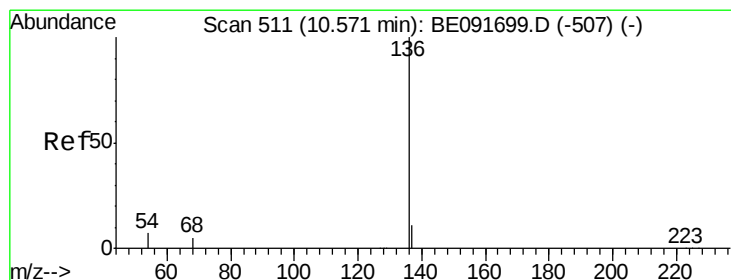
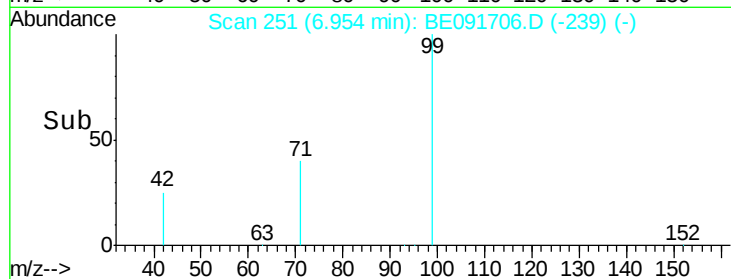
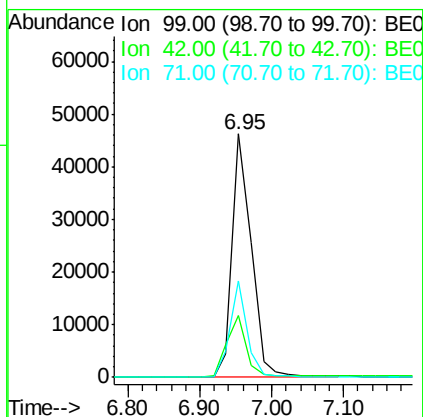
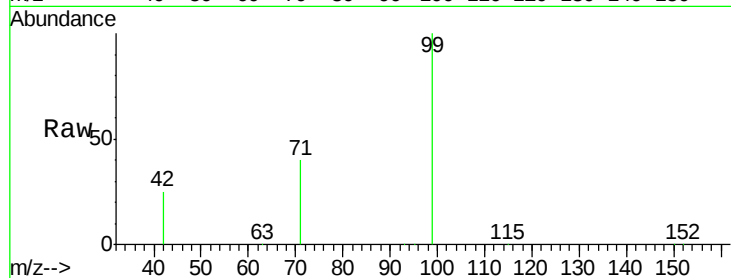
Tgt Ion: 99 Resp: 84778

Ion Ratio Lower Upper

99 100

42 25.3 16.2 24.2#

71 36.0 29.0 43.4



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. -0.00 min

Lab File: BE091706.D

Acq: 26 Apr 2016 16:14

Tgt Ion: 136 Resp: 149458

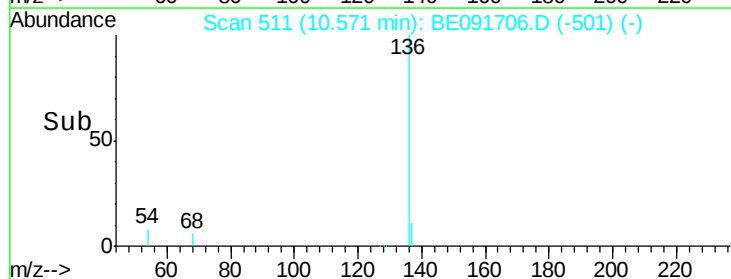
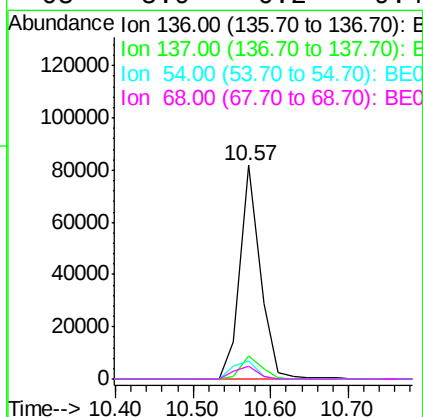
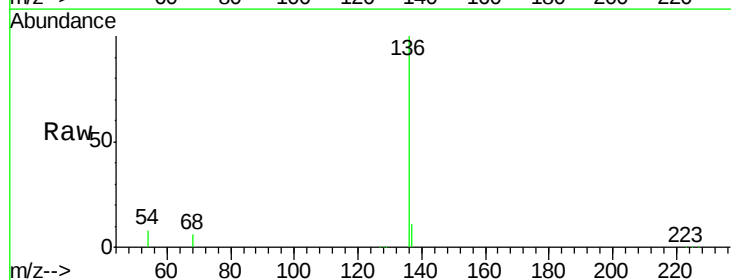
Ion Ratio Lower Upper

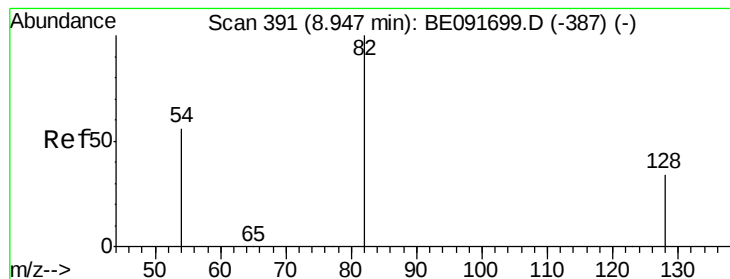
136 100

137 10.8 8.9 13.3

54 8.3 8.2 12.4

68 5.9 6.2 9.4#





#8

Nitrobenzene-d5

Concen: 3.86 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091706.D

Acq: 26 Apr 2016 16:14

Instrument :

BNA_E

ClientSampleId :

PB90006BL

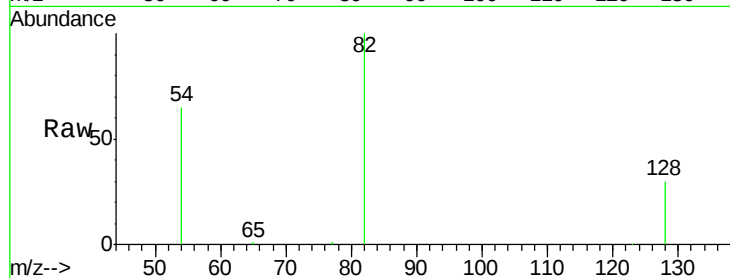
Tgt Ion: 82 Resp: 37264

Ion Ratio Lower Upper

82 100

128 29.9 25.4 38.0

54 64.7 48.4 72.6

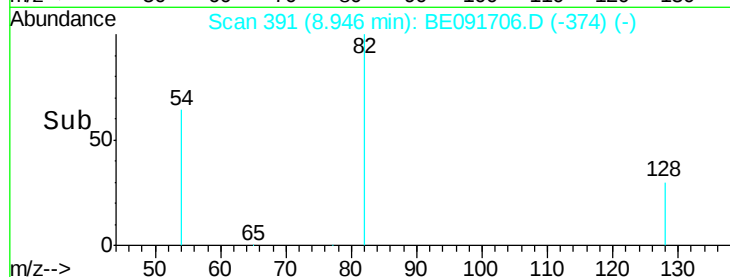


Abundance Ion 82.00 (81.70 to 82.70): BE091706.D (-374) (-)

Ion 128.00 (127.70 to 128.70): BE091706.D (-374) (-)

Ion 54.00 (53.70 to 54.70): BE091706.D (-374) (-)

Time--> 8.70 8.80 8.90 9.00 9.10

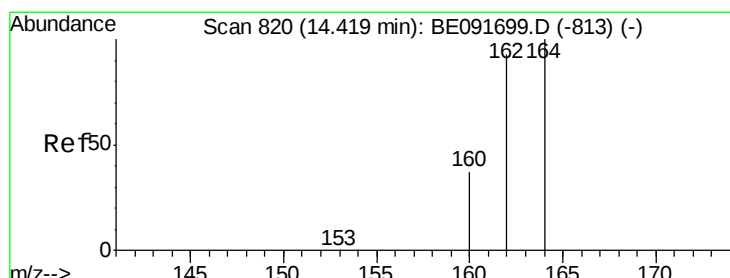


Abundance Ion 82.00 (81.70 to 82.70): BE091706.D (-374) (-)

Ion 128.00 (127.70 to 128.70): BE091706.D (-374) (-)

Ion 54.00 (53.70 to 54.70): BE091706.D (-374) (-)

Time--> 8.70 8.80 8.90 9.00 9.10



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.42 min Scan# 820

Delta R.T. 0.00 min

Lab File: BE091706.D

Acq: 26 Apr 2016 16:14

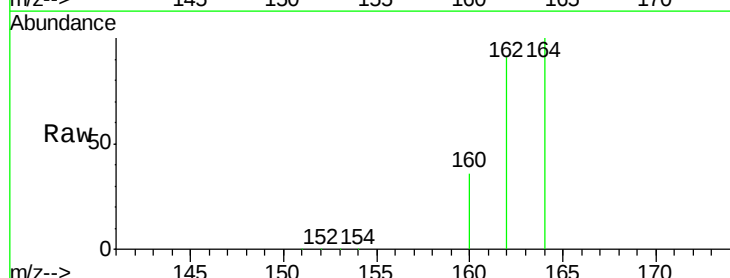
Tgt Ion: 164 Resp: 85338

Ion Ratio Lower Upper

164 100

162 91.1 85.3 127.9

160 35.8 46.2 69.2#

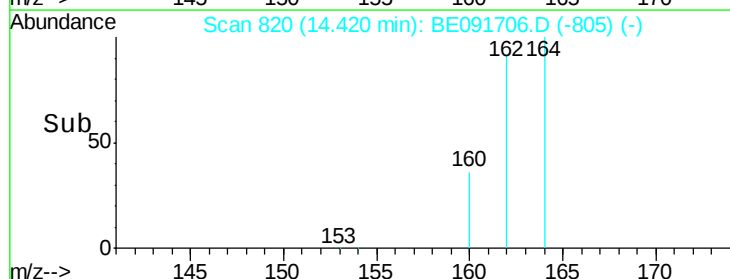


Abundance Ion 164.00 (163.70 to 164.70): BE091706.D (-805) (-)

Ion 162.00 (161.70 to 162.70): BE091706.D (-805) (-)

Ion 160.00 (159.70 to 160.70): BE091706.D (-805) (-)

Time--> 14.40 14.42 14.44

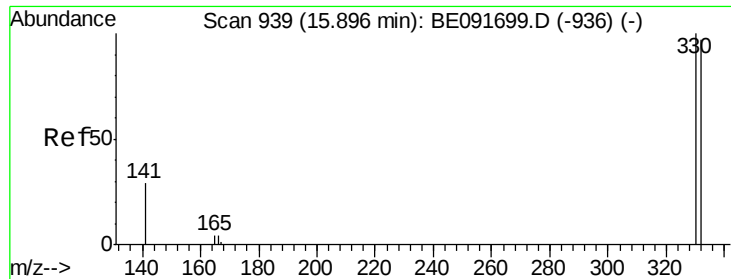


Abundance Ion 164.00 (163.70 to 164.70): BE091706.D (-805) (-)

Ion 162.00 (161.70 to 162.70): BE091706.D (-805) (-)

Ion 160.00 (159.70 to 160.70): BE091706.D (-805) (-)

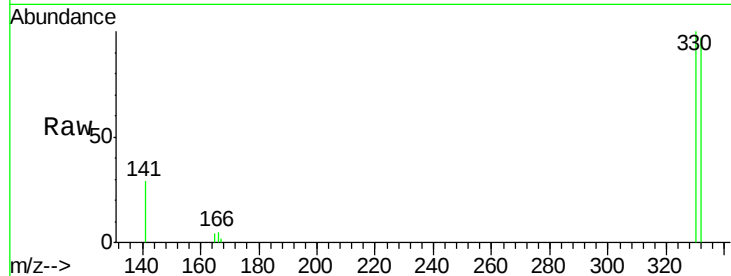
Time--> 14.40 14.42 14.44



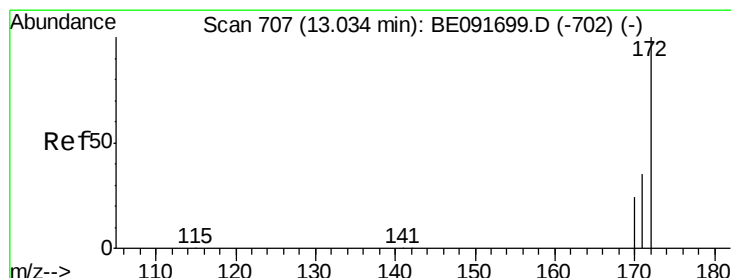
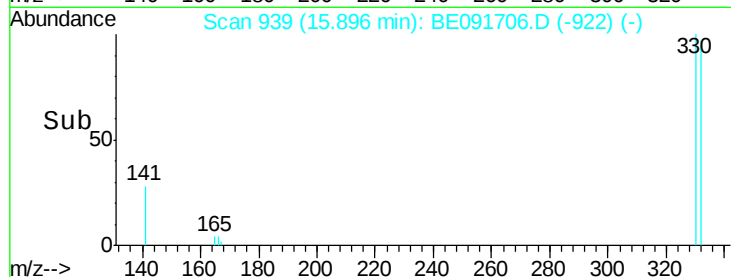
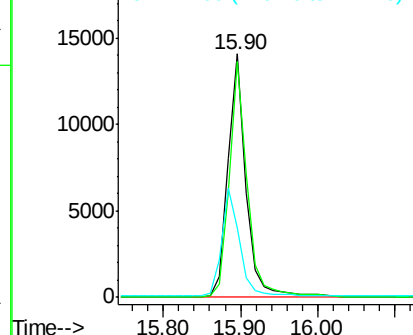
#14
 2,4,6-Tribromophenol
 Concen: 8.06 ng
 RT: 15.90 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: BE091706.D
 Acq: 26 Apr 2016 16:14

Instrument :
 BNA_E
 ClientSampleId :
 PB90006BL

Tgt Ion:330 Resp: 25600
 Ion Ratio Lower Upper
 330 100
 332 96.5 79.1 118.7
 141 44.0 125.4 188.0#

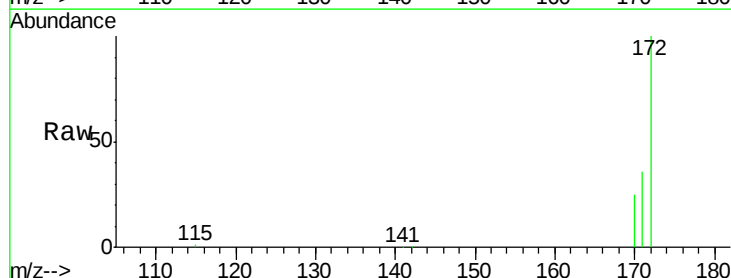


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

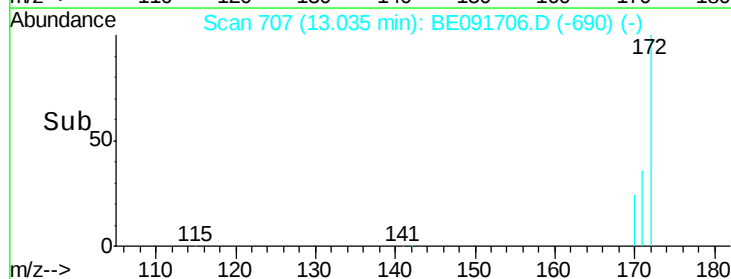
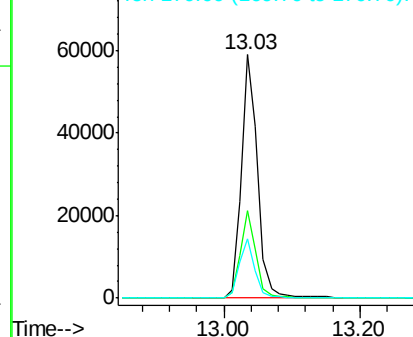


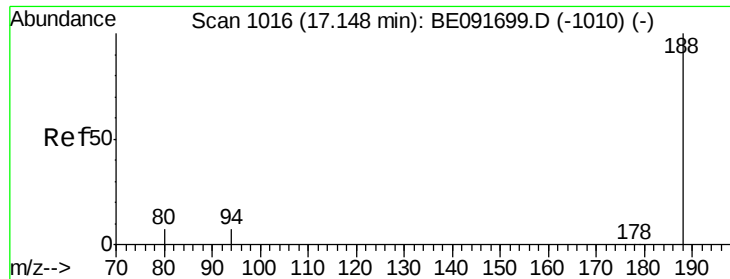
#15
 2-Fluorobiphenyl
 Concen: 4.06 ng
 RT: 13.03 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: BE091706.D
 Acq: 26 Apr 2016 16:14

Tgt Ion:172 Resp: 98040
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.8 43.2
 170 24.5 19.3 28.9



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





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.15 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BE091706.D

Acq: 26 Apr 2016 16:14

Instrument :

BNA_E

ClientSampleId :

PB90006BL

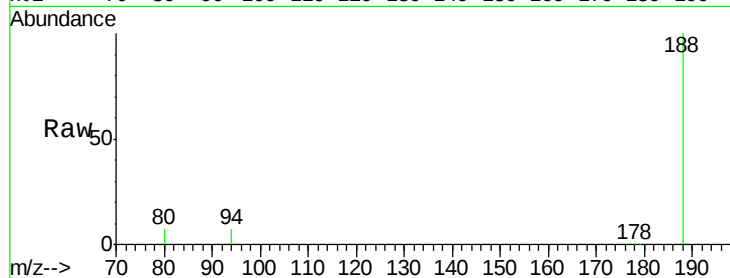
Tgt Ion:188 Resp: 221079

Ion Ratio Lower Upper

188 100

94 7.4 8.7 13.1#

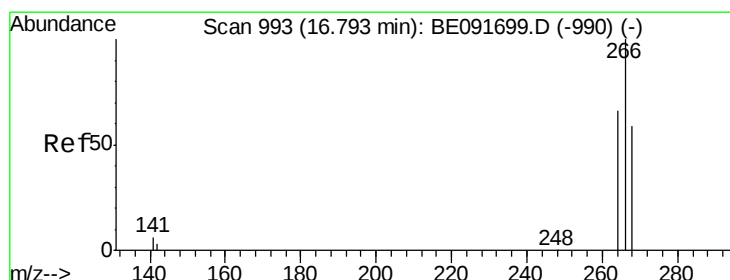
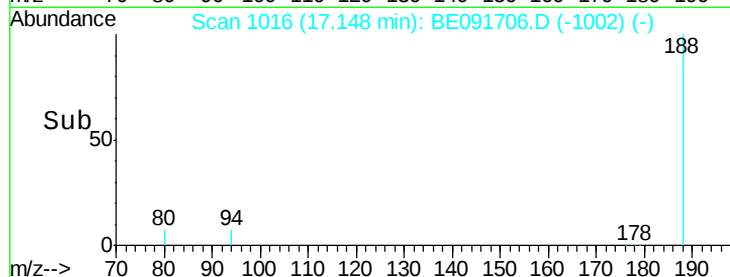
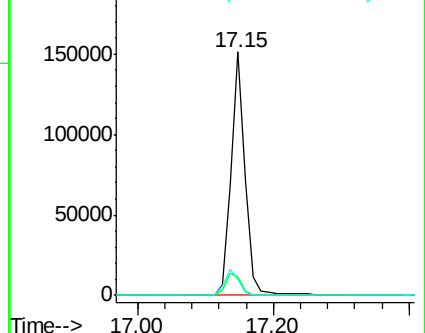
80 6.7 9.4 14.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#22

Pentachlorophenol

Concen: 0.11 ng

RT: 16.81 min Scan# 994

Delta R.T. 0.02 min

Lab File: BE091706.D

Acq: 26 Apr 2016 16:14

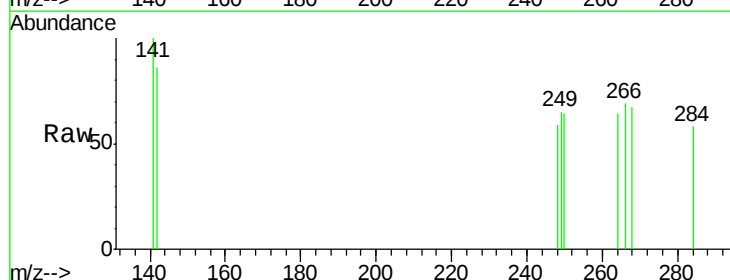
Tgt Ion:266 Resp: 50

Ion Ratio Lower Upper

266 100

268 96.6 58.2 87.2#

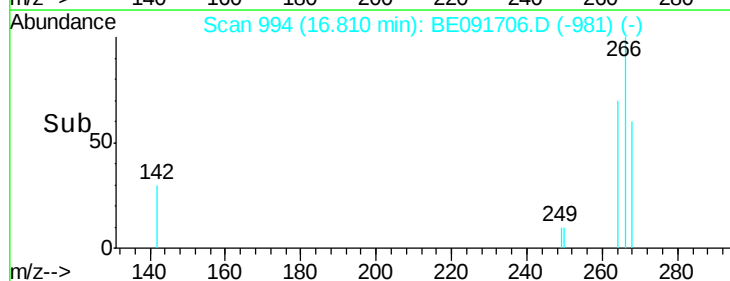
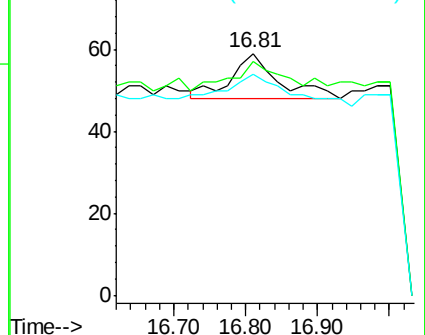
264 91.5 56.2 84.4#

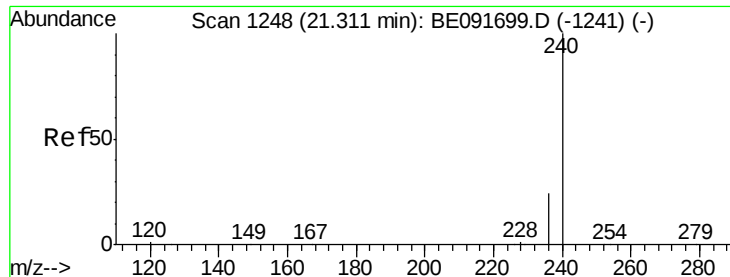


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

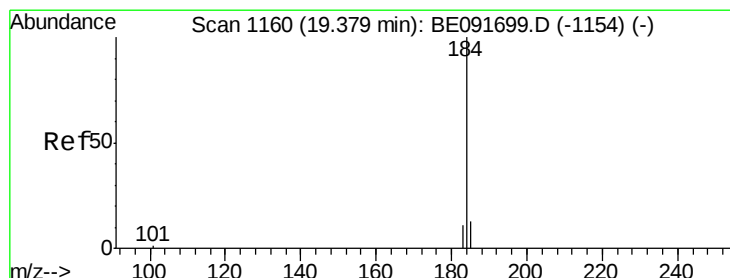
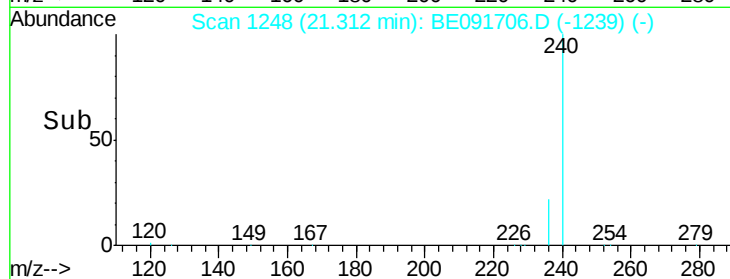
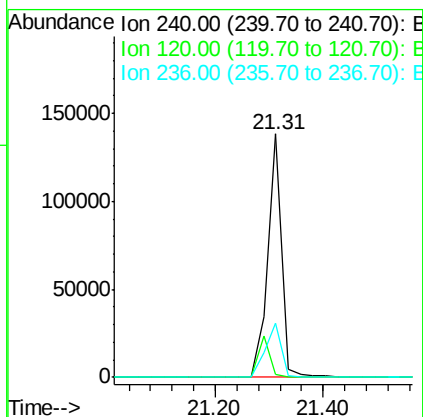
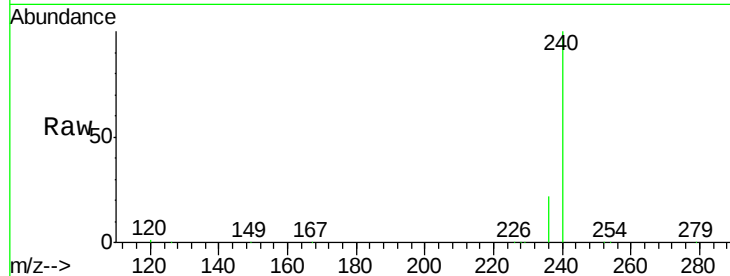




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE091706.D
Acq: 26 Apr 2016 16:14

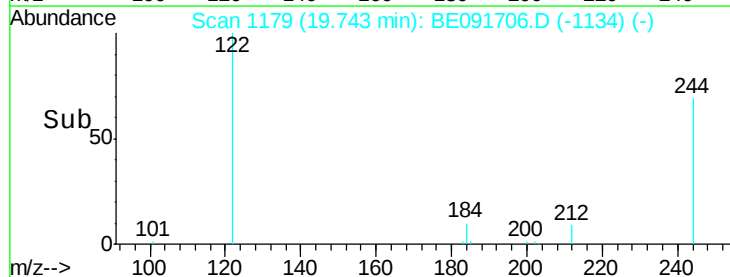
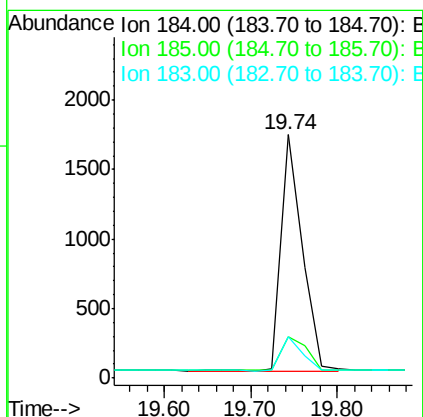
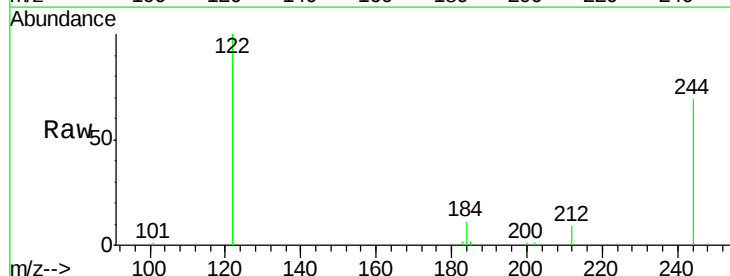
Instrument :
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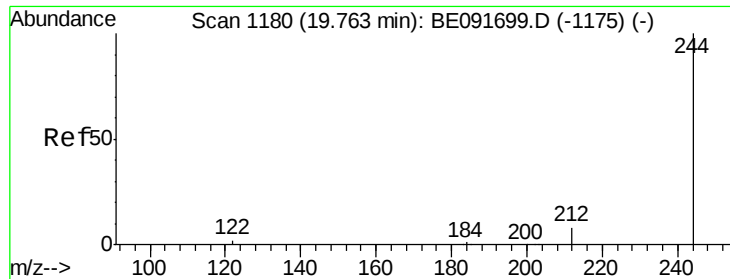
Tgt Ion: 240 Resp: 250144
Ion Ratio Lower Upper
240 100
120 1.1 11.0 16.4#
236 22.1 21.7 32.5



#27
Benzidine
Concen: 0.30 ng
RT: 19.74 min Scan# 1179
Delta R.T. 0.37 min
Lab File: BE091706.D
Acq: 26 Apr 2016 16:14

Tgt Ion: 184 Resp: 2883
Ion Ratio Lower Upper
184 100
185 16.7 22.3 33.5#
183 16.7 16.4 24.6





#29

Terphenyl-d14

Concen: 4.50 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091706.D

Acq: 26 Apr 2016 16:14

Instrument :

BNA_E

ClientSampleId :

PB90006BL

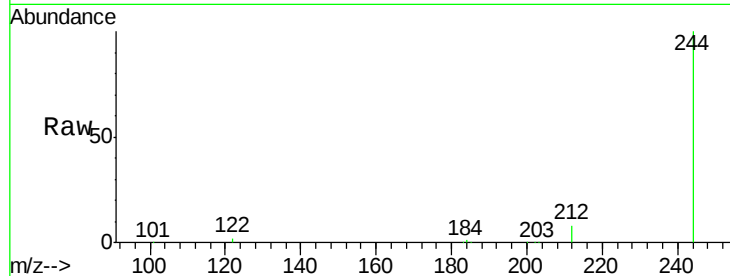
Tgt Ion:244 Resp: 175399

Ion Ratio Lower Upper

244 100

212 7.7 6.9 10.3

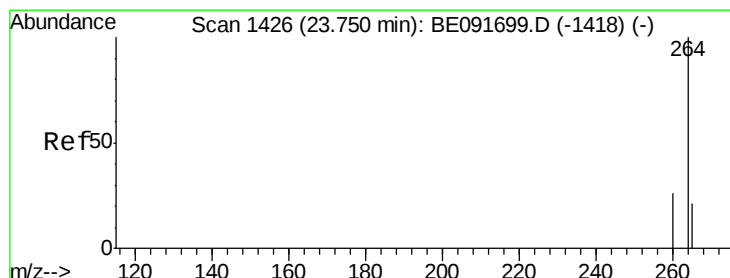
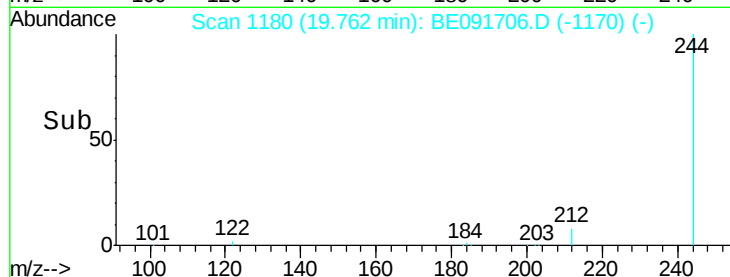
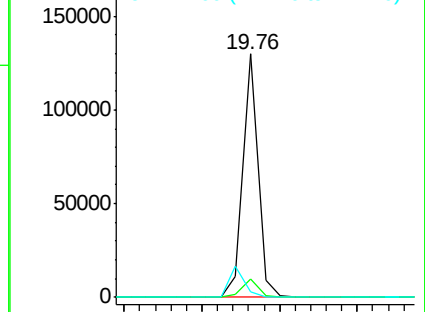
122 2.1 11.0 16.4#



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: BE091706.D

Acq: 26 Apr 2016 16:14

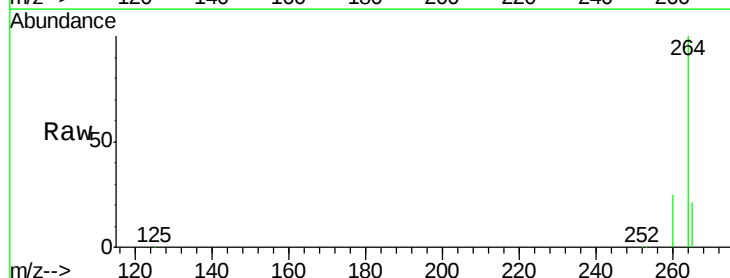
Tgt Ion:264 Resp: 247128

Ion Ratio Lower Upper

264 100

260 25.2 20.0 30.0

265 21.2 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

