

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091415\
 Data File : BE090820.D
 Acq On : 15 Sep 2015 4:08
 Operator : UM/IZ
 Sample : G3658-10
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091315-D534-F-U-B

Quant Time: Sep 15 05:51:41 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 11:40:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	39515	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	163586	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	82145	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	203391	5.00	ng	0.00
25) Chrysene-d12	21.07	240	263324	5.00	ng	0.00
32) Perylene-d12	23.35	264	249132	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	25675	3.34	ng	0.00
5) Phenol-d6	6.75	99	19657	1.79	ng	0.00
7) Nitrobenzene-d5	8.71	82	43030	3.98	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	18384	7.63	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	96435	4.24	ng	0.00
27) Terphenyl-d14	19.53	244	169847	5.83	ng	-0.01

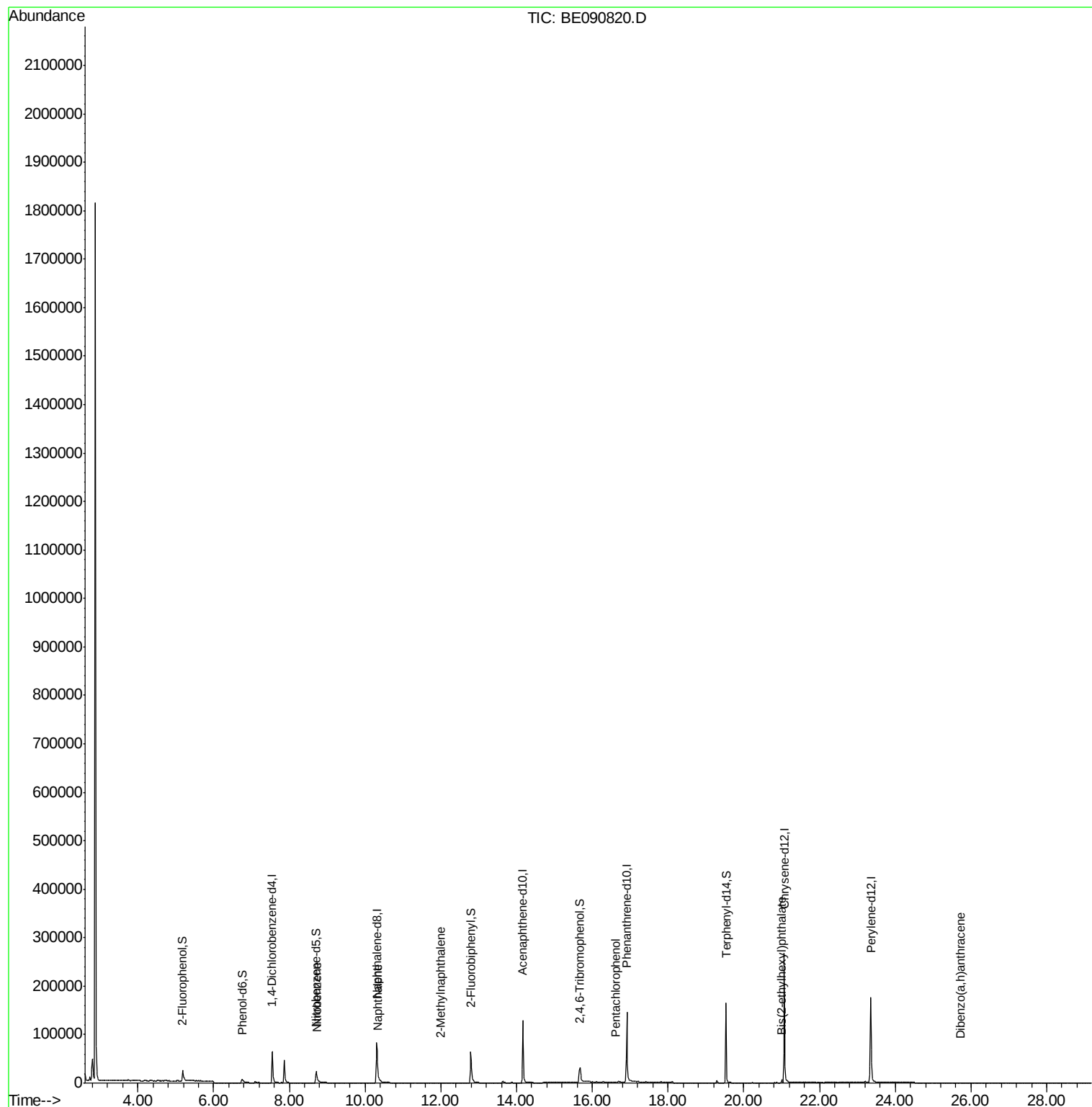
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.16	88	211	Below Cal	#	45
3) n-Nitrosodimethylamine	3.44	42	22	Below Cal	#	6
8) Nitrobenzene	8.74	77	17	0.11	ng	40
9) Naphthalene	10.35	128	2943	0.08	ng	88
11) 2-Methylnaphthalene	12.00	142	630	0.03	ng	85
20) Hexachlorobenzene	16.21	284	159	Below Cal	#	41
21) Pentachlorophenol	16.61	266	38	0.47	ng	56
29) Chrysene	21.10	228	414	Below Cal	#	64
30) Bis(2-ethylhexyl)phthalate	21.00	149	5643	0.43	ng	99
36) Dibenzo(a,h)anthracene	25.73	278	8	0.14	ng	1

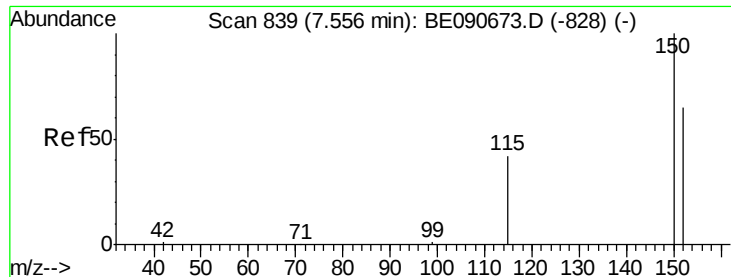
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 838

Delta R.T. -0.01 min

Lab File: BE090820.D

Acq: 15 Sep 2015 4:08

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-B

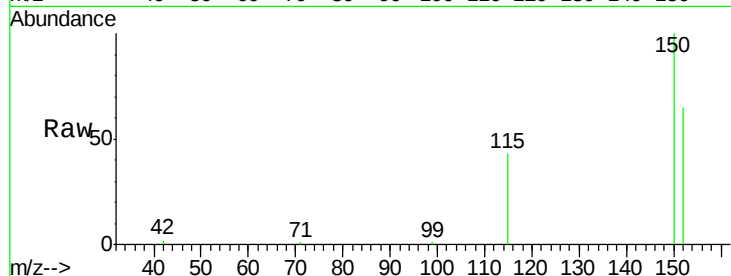
Tot Ion:152 Resp: 39515

Ion Ratio Lower Upper

152 100

150 153.9 122.2 183.4

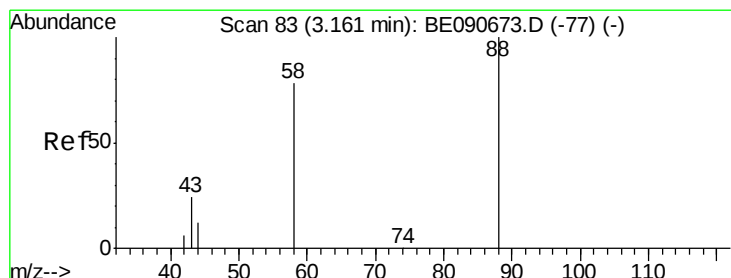
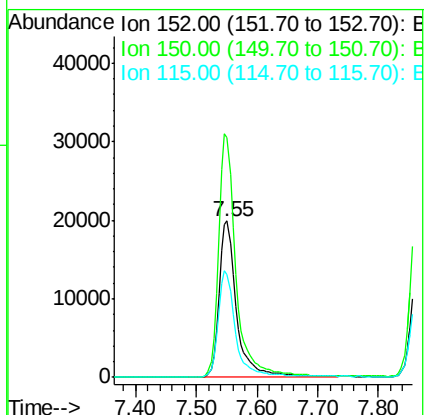
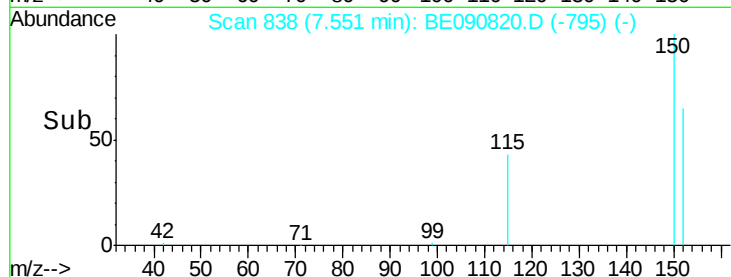
115 66.3 51.0 76.4



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: Below Cal

RT: 3.16 min Scan# 83

Delta R.T. 0.00 min

Lab File: BE090820.D

Acq: 15 Sep 2015 4:08

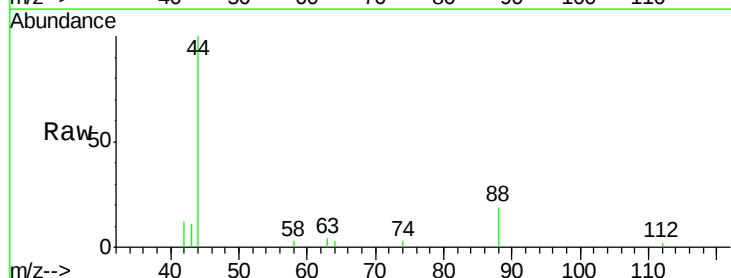
Tgt Ion: 88 Resp: 211

Ion Ratio Lower Upper

88 100

58 35.1 68.4 102.6#

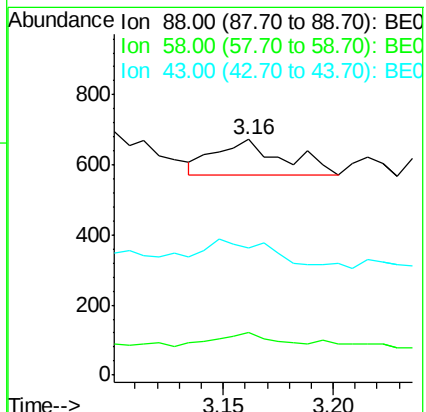
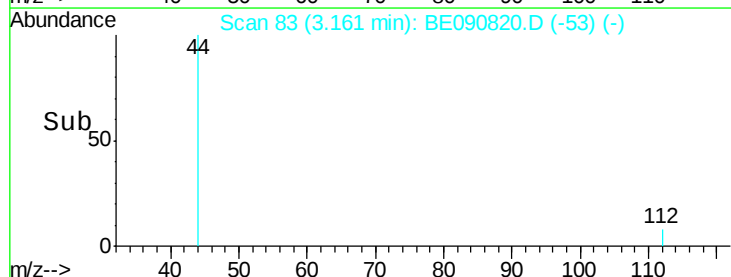
43 64.0 26.9 40.3#

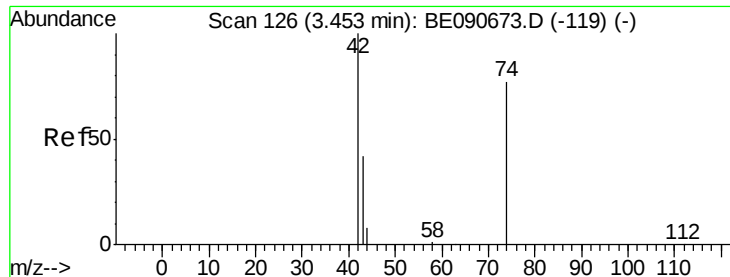


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



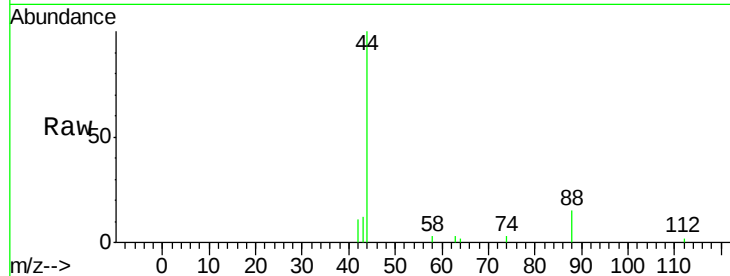


#3

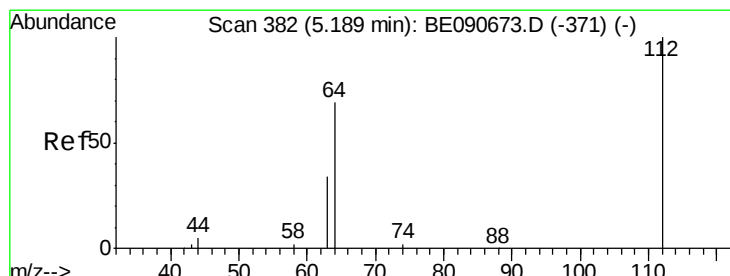
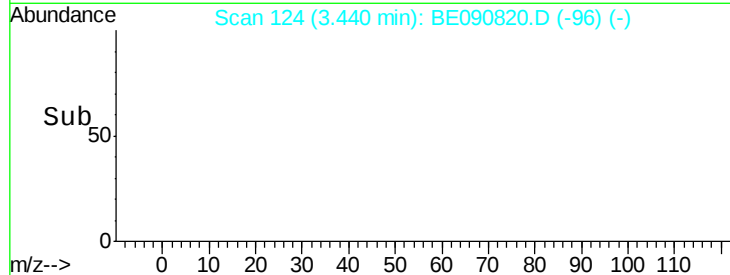
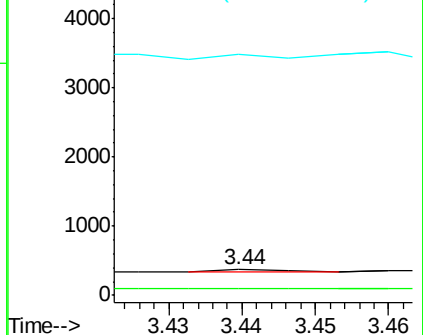
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.44 min Scan# 124
 Delta R.T. -0.01 min
 Lab File: BE090820.D
 Acq: 15 Sep 2015 4:08

Instrument :
 BNA_E
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 091315-D534-F-U-B

Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	83.7	125.5#
44	0.0	10.0	15.0#



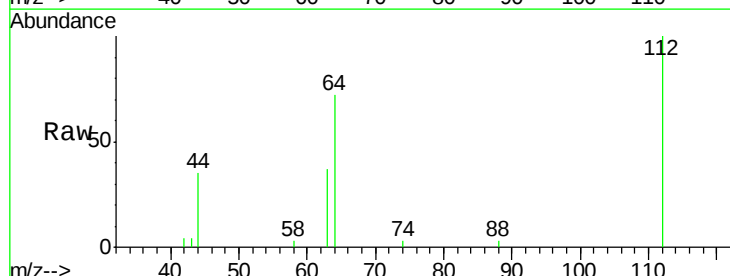
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



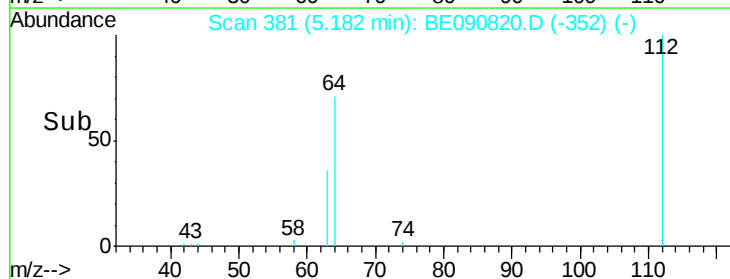
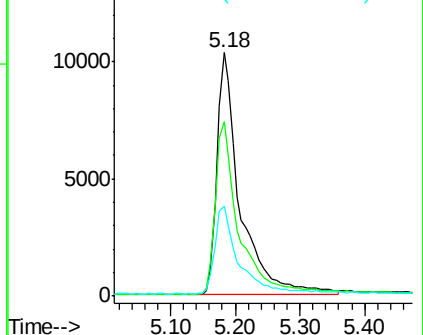
#4

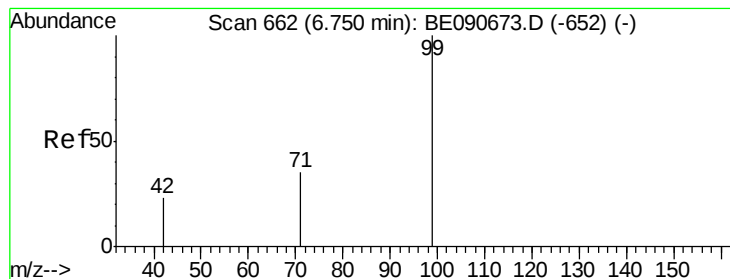
2-Fluorophenol
 Concen: 3.34 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: BE090820.D
 Acq: 15 Sep 2015 4:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.1	57.3	85.9
63	37.2	29.2	43.8



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: 1.79 ng

RT: 6.75 min Scan# 662

Delta R.T. -0.00 min

Lab File: BE090820.D

Acq: 15 Sep 2015 4:08

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-B

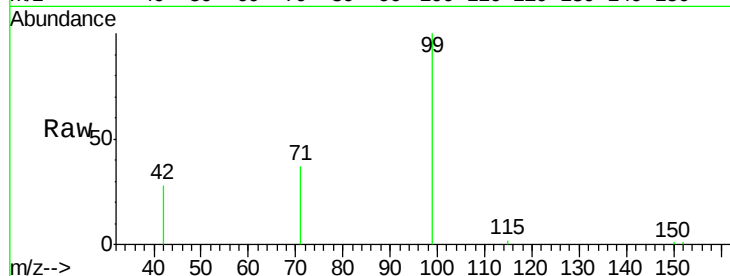
Tot Ion: 99 Resp: 19657

Ion Ratio Lower Upper

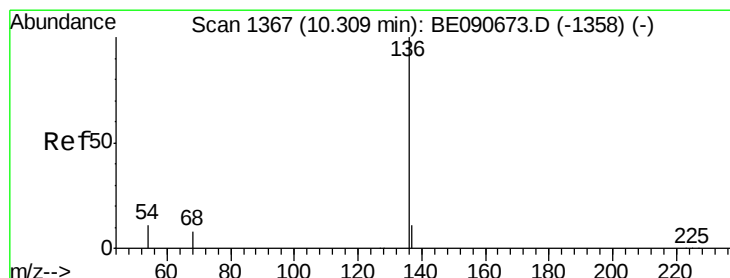
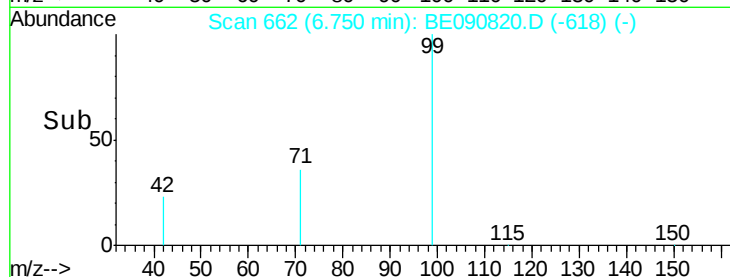
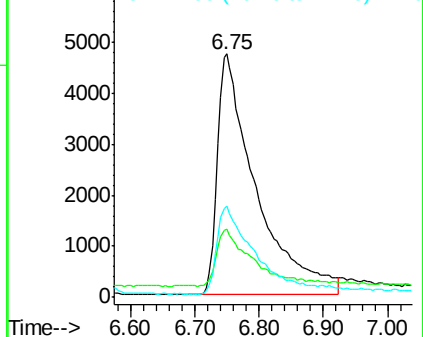
99 100

42 23.5 16.8 25.2

71 35.9 28.3 42.5



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: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090820.D

Acq: 15 Sep 2015 4:08

Tgt Ion: 136 Resp: 163586

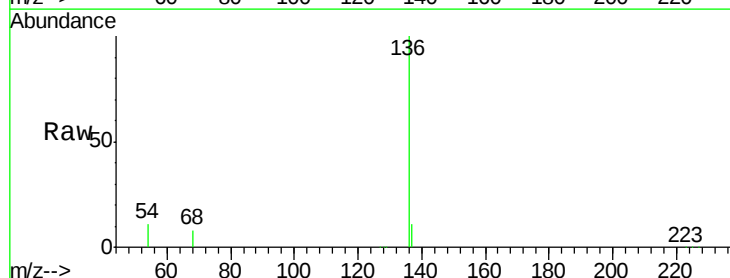
Ion Ratio Lower Upper

136 100

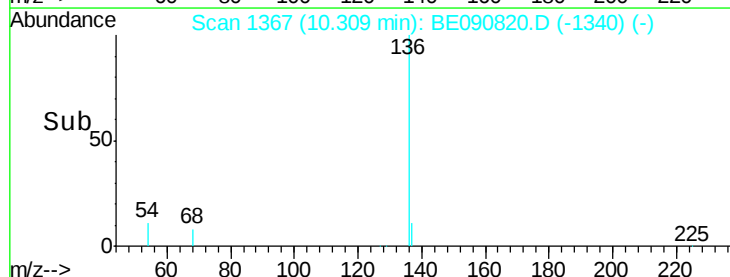
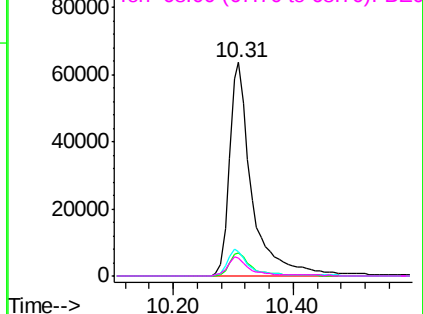
137 11.0 8.7 13.1

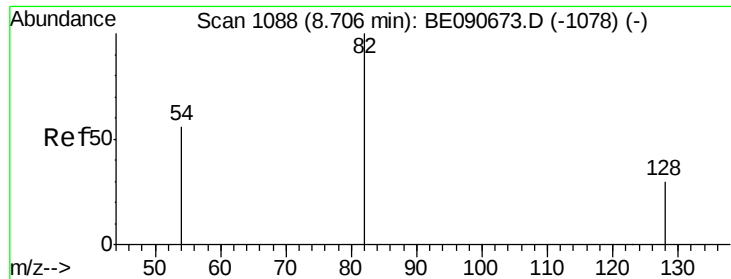
54 11.4 9.0 13.6

68 8.2 6.3 9.5



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: 3.98 ng

RT: 8.71 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE090820.D

Acq: 15 Sep 2015 4:08

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-B

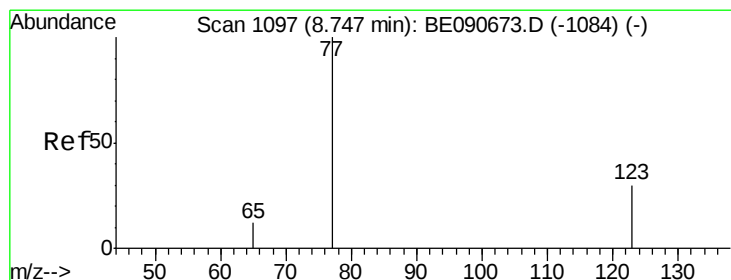
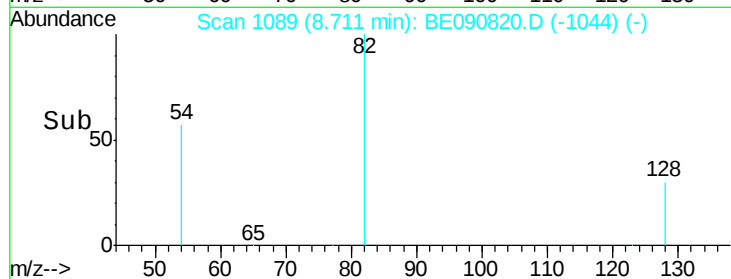
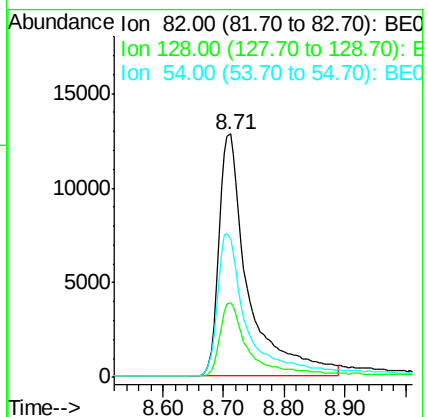
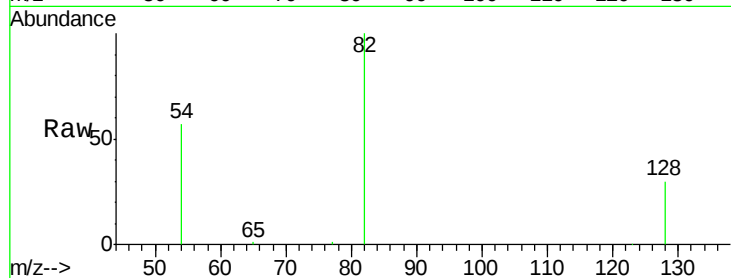
Tot Ion: 82 Resp: 43030

Ion Ratio Lower Upper

82 100

128 30.4 25.0 37.4

54 57.0 46.3 69.5



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.74 min Scan# 1095

Delta R.T. -0.01 min

Lab File: BE090820.D

Acq: 15 Sep 2015 4:08

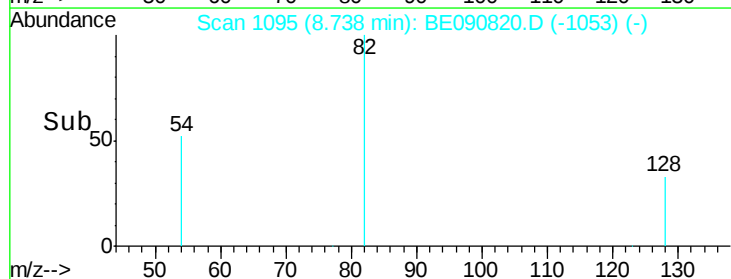
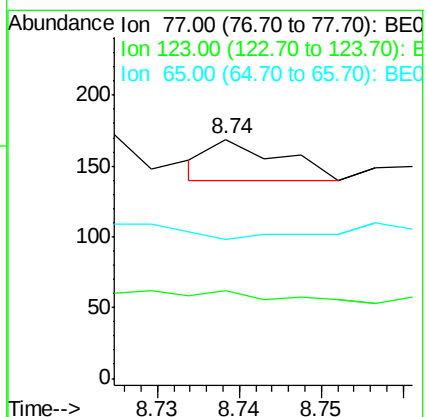
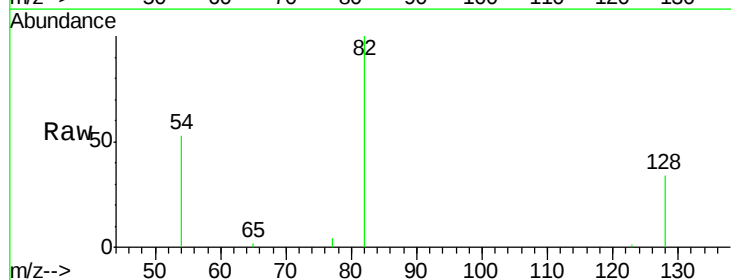
Tgt Ion: 77 Resp: 17

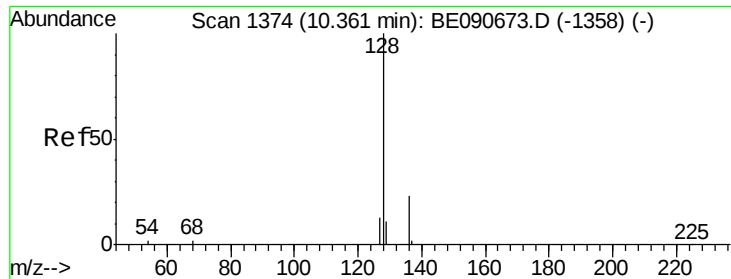
Ion Ratio Lower Upper

77 100

123 70.6 25.1 37.7#

65 0.0 9.9 14.9#





#9

Naphthalene

Concen: 0.08 ng

RT: 10.35 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE090820.D

Acq: 15 Sep 2015 4:08

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-B

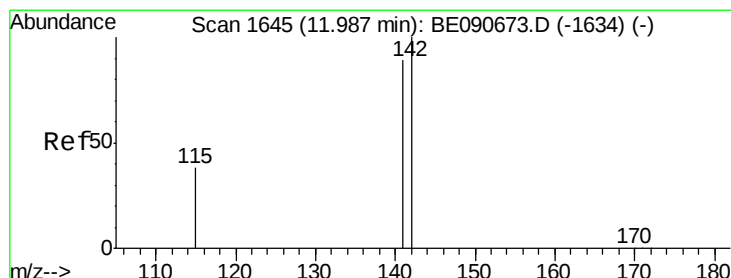
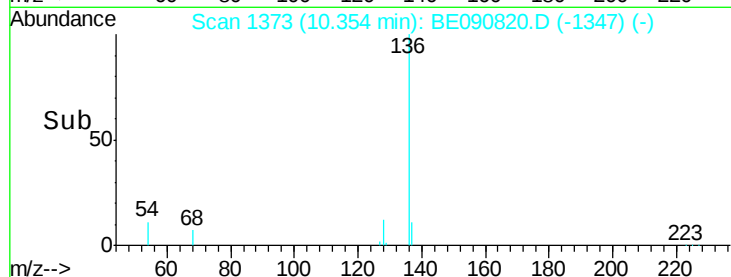
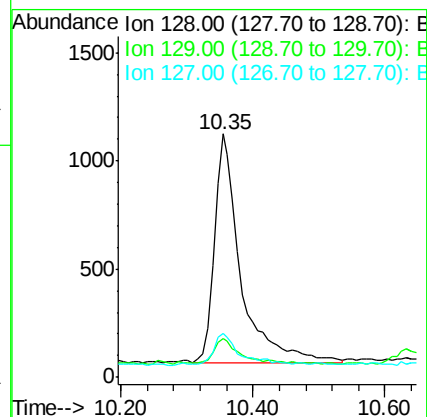
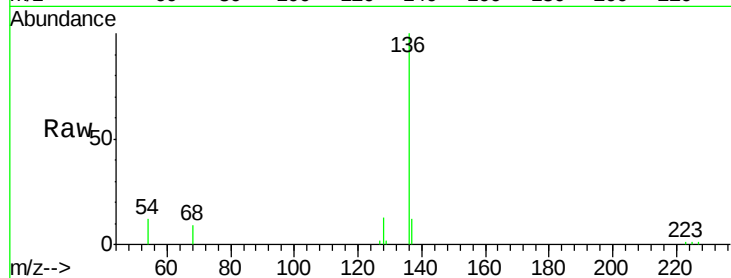
Tot Ion:128 Resp: 2943

Ion Ratio Lower Upper

128 100

129 15.9 9.0 13.6#

127 18.0 10.6 15.8#



#11

2-Methylnaphthalene

Concen: 0.03 ng

RT: 12.00 min Scan# 1648

Delta R.T. 0.01 min

Lab File: BE090820.D

Acq: 15 Sep 2015 4:08

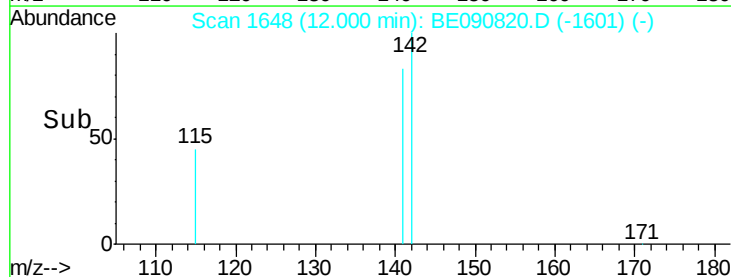
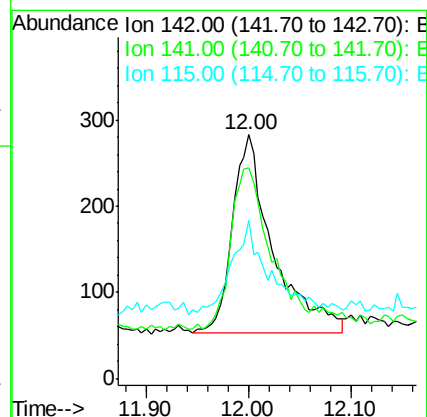
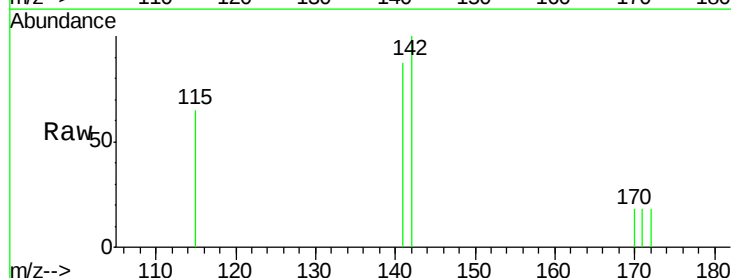
Tgt Ion:142 Resp: 630

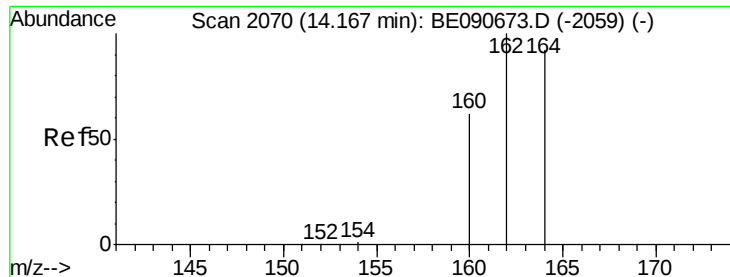
Ion Ratio Lower Upper

142 100

141 86.6 71.4 107.2

115 64.7 31.0 46.4#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090820.D

Acq: 15 Sep 2015 4:08

Instrument :

BNA_E

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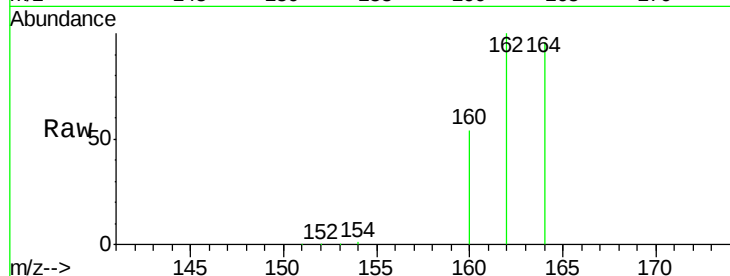
Tot Ion:164 Resp: 82145

Ion Ratio Lower Upper

164 100

162 104.5 86.8 130.2

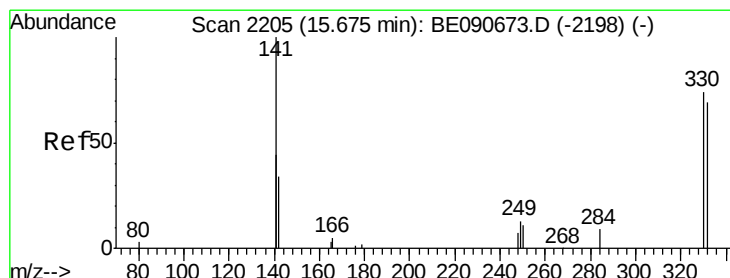
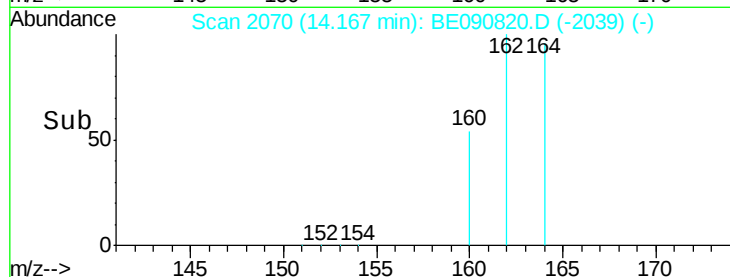
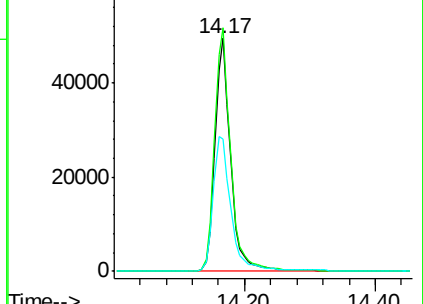
160 56.7 53.9 80.9



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



#13

2,4,6-Tribromophenol

Concen: 7.63 ng

RT: 15.67 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BE090820.D

Acq: 15 Sep 2015 4:08

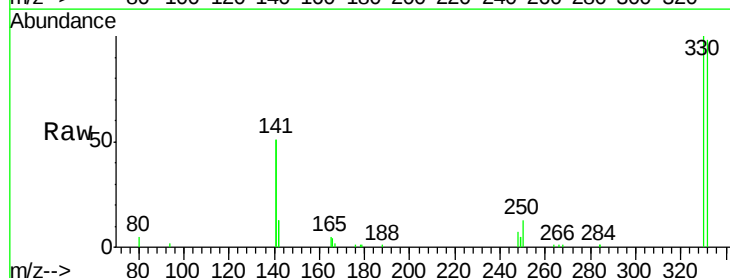
Tgt Ion:330 Resp: 18384

Ion Ratio Lower Upper

330 100

332 97.4 74.9 112.3

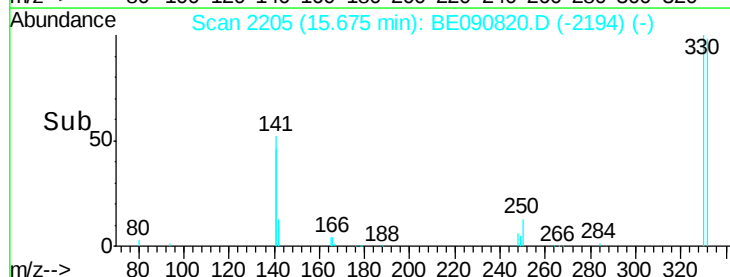
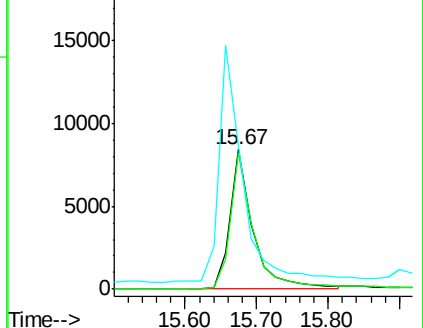
141 181.8 145.2 217.8

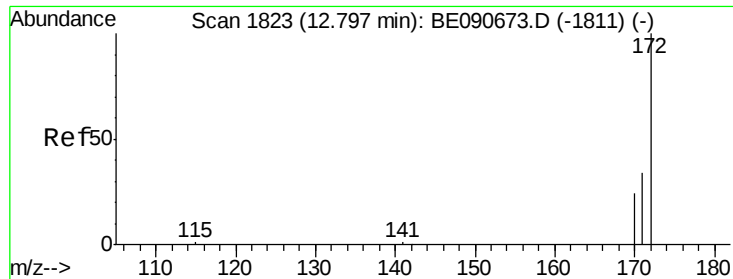


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

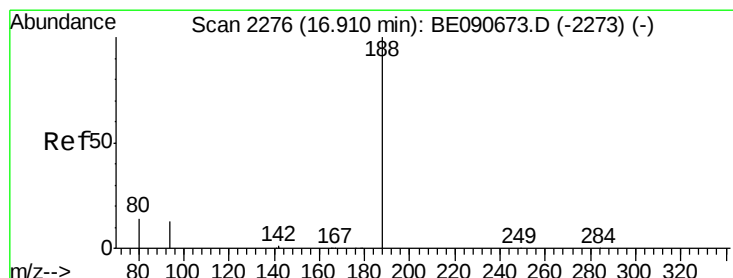
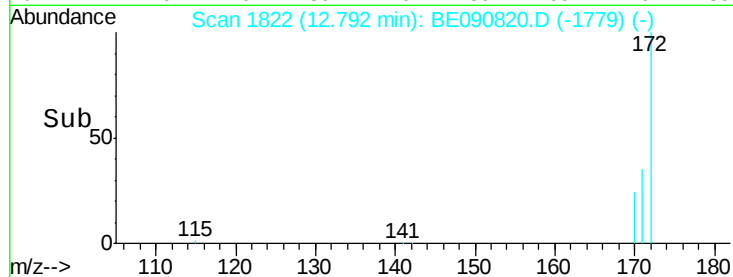
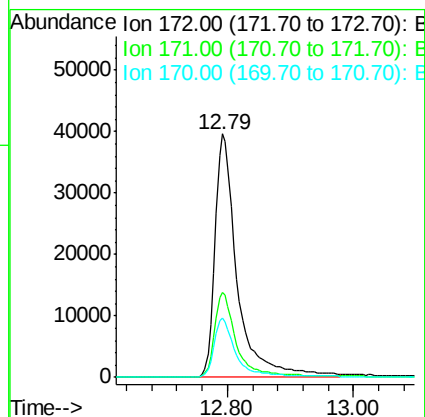
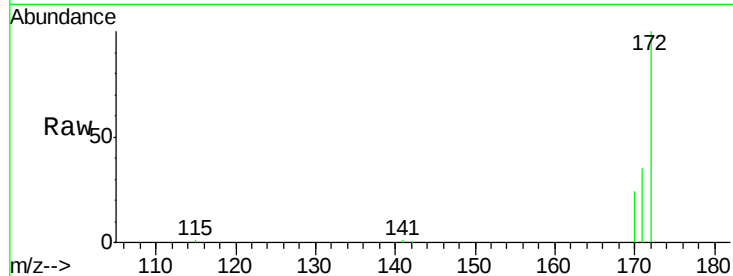




#14
2-Fluorobiphenyl
Concen: 4.24 ng
RT: 12.79 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BE090820.D
Acq: 15 Sep 2015 4:08

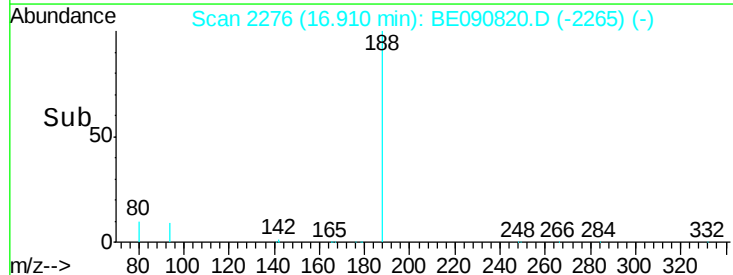
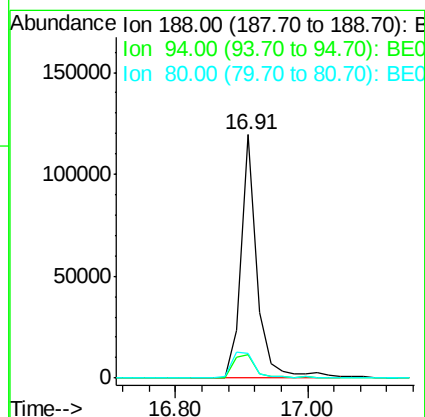
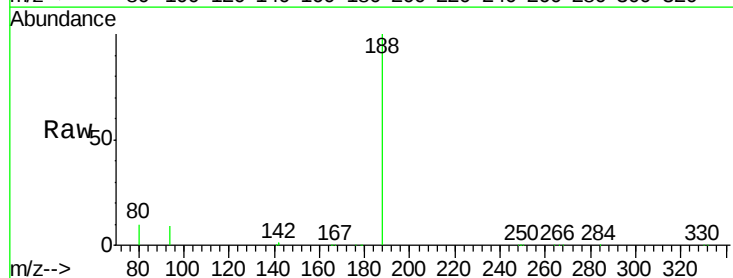
Instrument :
BNA_E
ClientSampleId :
091315-D534-F-U-B

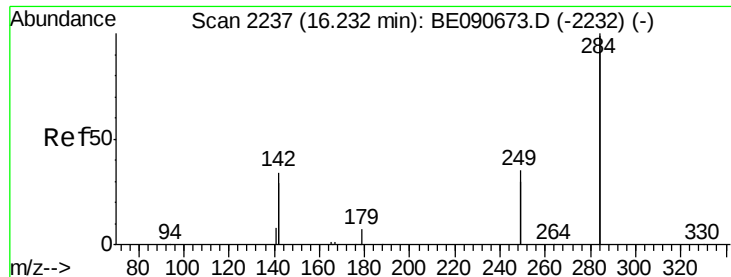
Tot Ion:172 Resp: 96435
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.8
170 24.4 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BE090820.D
Acq: 15 Sep 2015 4:08

Tgt Ion:188 Resp: 203391
Ion Ratio Lower Upper
188 100
94 9.5 10.3 15.5#
80 10.2 11.0 16.6#





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.21 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BE090820.D

Acq: 15 Sep 2015 4:08

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-B

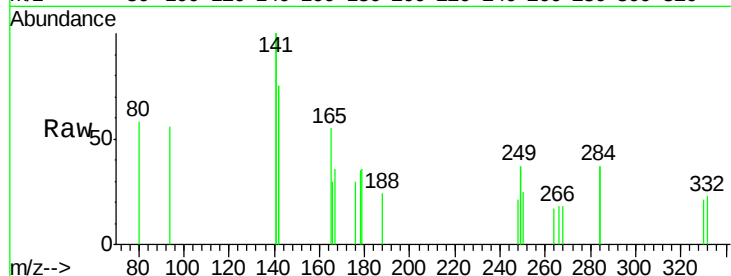
Tot Ion:284 Resp: 159

Ion Ratio Lower Upper

284 100

142 83.0 35.0 52.4#

249 0.0 25.5 38.3#

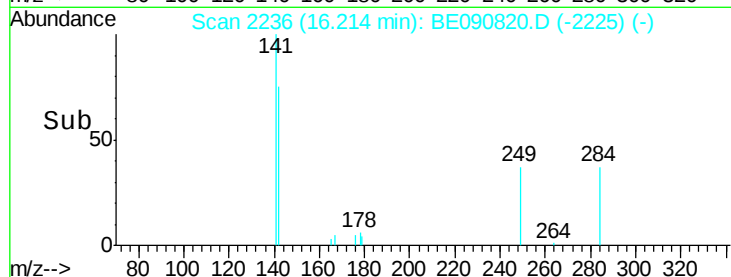


Abundance Ion 283.80 (283.50 to 284.50): E

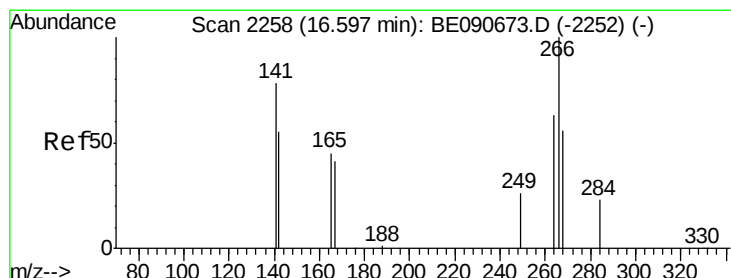
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

Time-->



Time-->



#21

Pentachlorophenol

Concen: 0.47 ng

RT: 16.61 min Scan# 2259

Delta R.T. 0.02 min

Lab File: BE090820.D

Acq: 15 Sep 2015 4:08

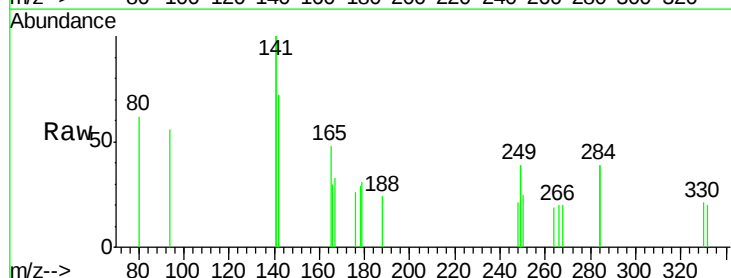
Tgt Ion:266 Resp: 38

Ion Ratio Lower Upper

266 100

268 101.8 49.6 74.4#

264 96.4 53.9 80.9#

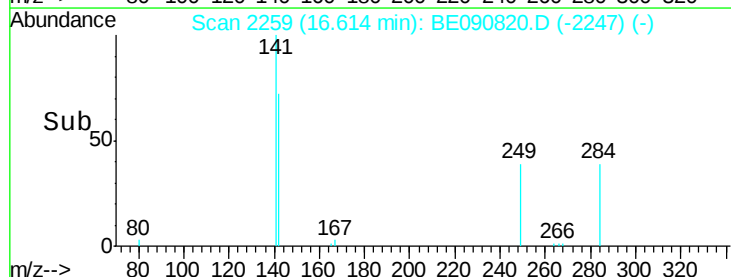


Abundance Ion 265.70 (265.40 to 266.40): E

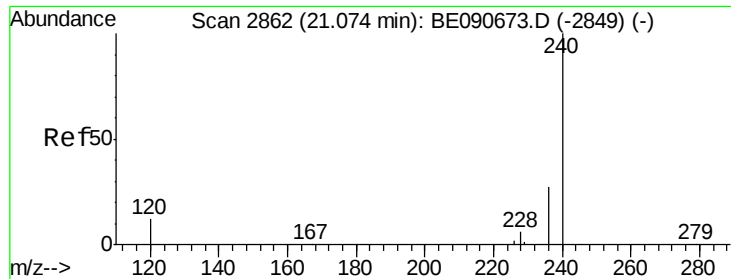
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

Time-->



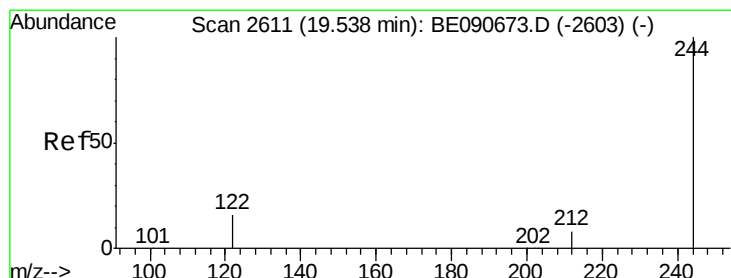
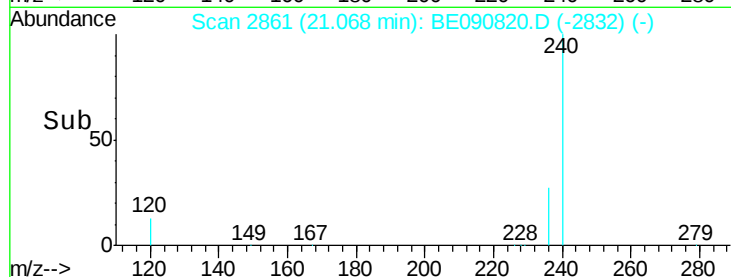
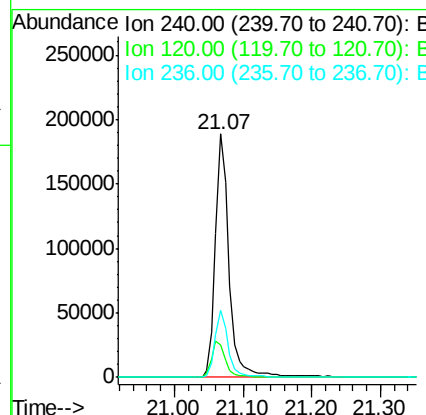
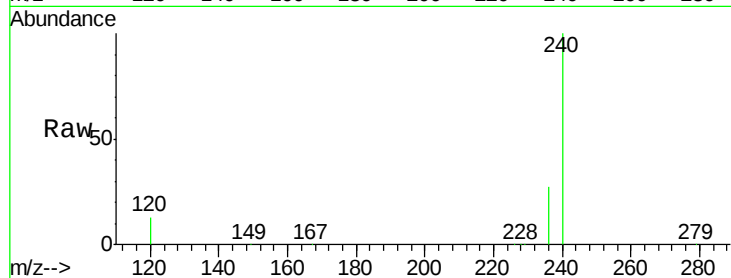
Time-->



#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.07 min Scan# 2861
Delta R.T. -0.01 min
Lab File: BE090820.D
Acq: 15 Sep 2015 4:08

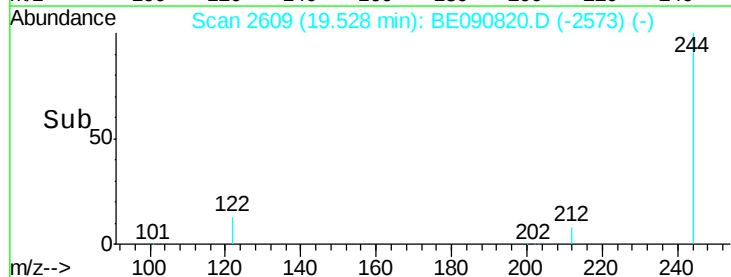
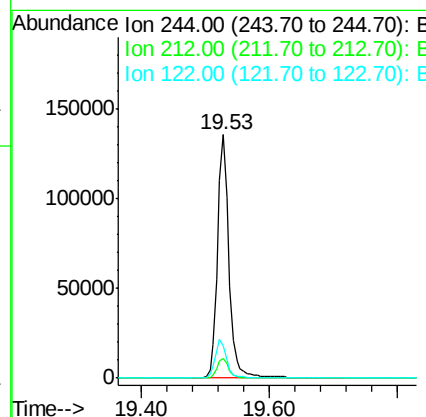
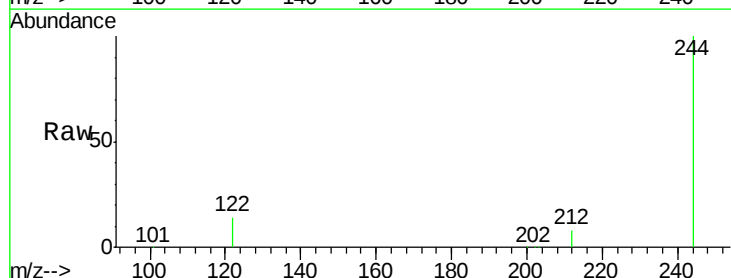
Instrument :
BNA_E
ClientSampleId :
091315-D534-F-U-B

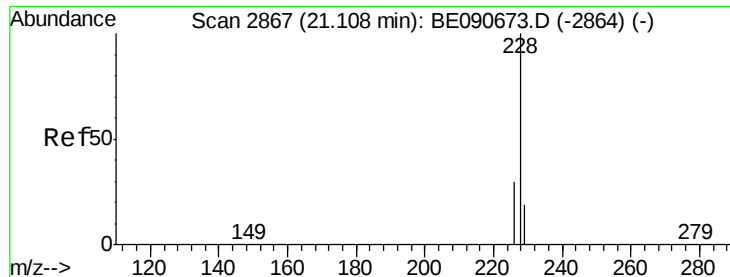
Tot Ion:240 Resp: 263324
Ion Ratio Lower Upper
240 100
120 13.3 10.1 15.1
236 27.5 21.9 32.9



#27
Terphenyl-d14
Concen: 5.83 ng
RT: 19.53 min Scan# 2609
Delta R.T. -0.01 min
Lab File: BE090820.D
Acq: 15 Sep 2015 4:08

Tgt Ion:244 Resp: 169847
Ion Ratio Lower Upper
244 100
212 8.2 6.9 10.3
122 13.5 12.9 19.3





#29

Chrysene

Concen: Below Cal

RT: 21.10 min Scan# 2866

Delta R.T. -0.01 min

Lab File: BE090820.D

Acq: 15 Sep 2015 4:08

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-U-B

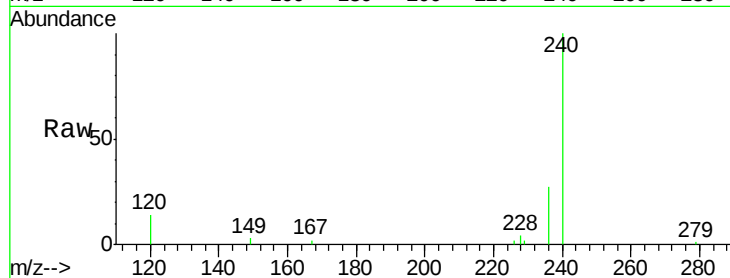
Tot Ion:228 Resp: 414

Ion Ratio Lower Upper

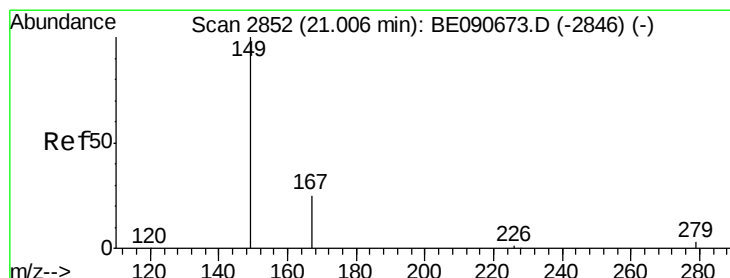
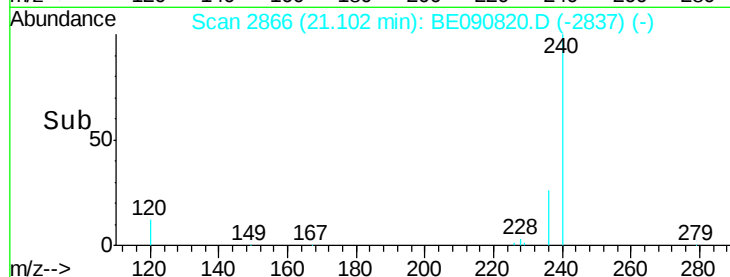
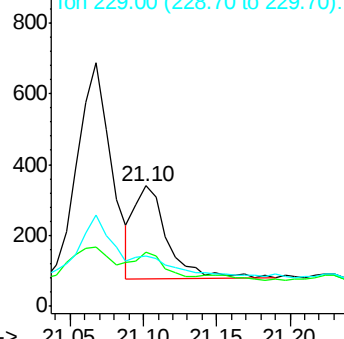
228 100

226 45.1 24.2 36.4#

229 41.6 15.3 22.9#



Abundance Ion 228.00 (227.70 to 228.70): E



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.43 ng

RT: 21.00 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BE090820.D

Acq: 15 Sep 2015 4:08

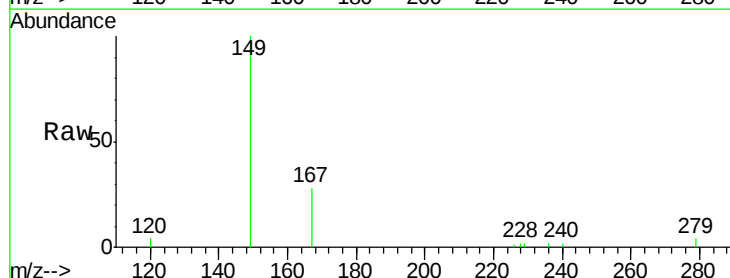
Tgt Ion:149 Resp: 5643

Ion Ratio Lower Upper

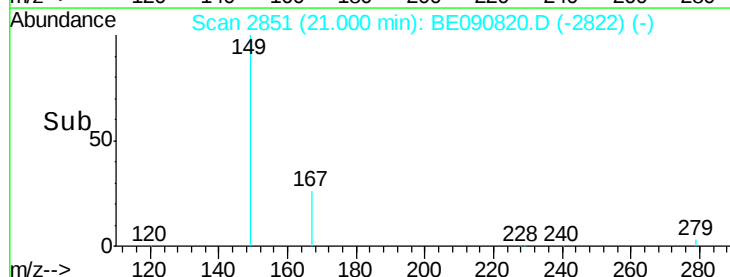
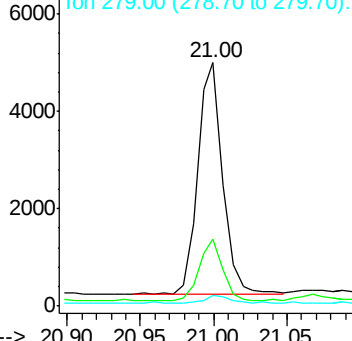
149 100

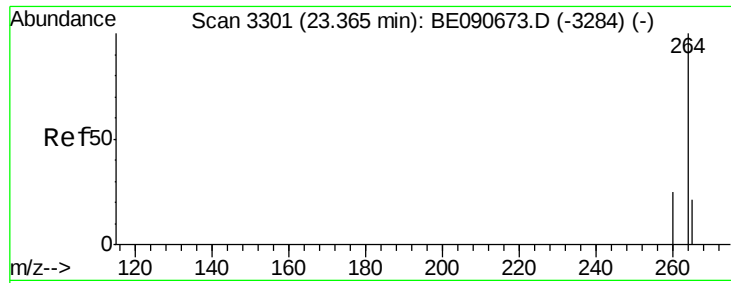
167 24.5 20.1 30.1

279 3.4 2.3 3.5



Abundance Ion 149.00 (148.70 to 149.70): E

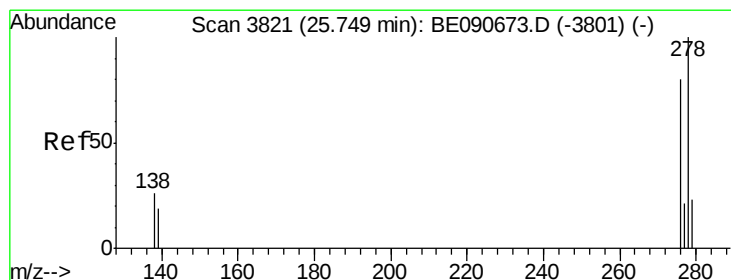
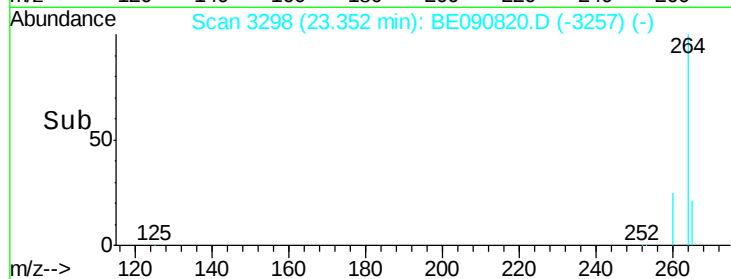
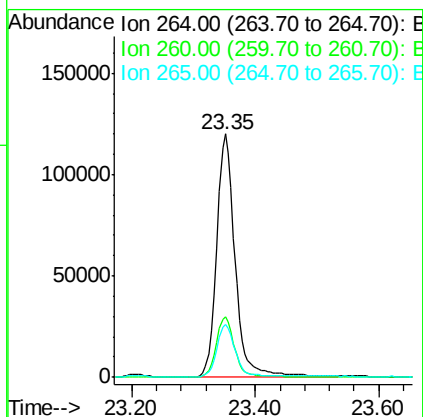
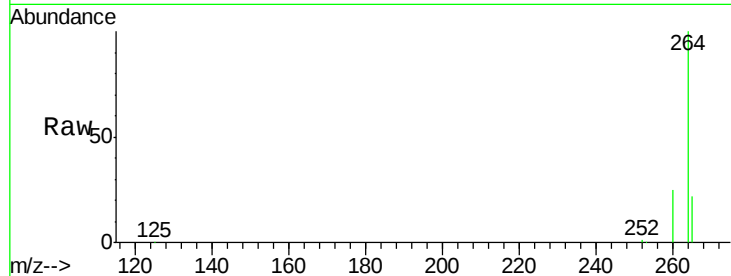




#32
Pervlene-d12
Concen: 5.00 ng
RT: 23.35 min Scan# 3298
Delta R.T. -0.01 min
Lab File: BE090820.D
Acq: 15 Sep 2015 4:08

Instrument :
BNA_E
ClientSampleId :
091315-D534-F-U-B

Tot Ion:264 Resp: 249132
Ion Ratio Lower Upper
264 100
260 25.1 19.7 29.5
265 21.5 17.5 26.3



#36
Dibenzo(a,h)anthracene
Concen: 0.14 ng
RT: 25.73 min Scan# 3816
Delta R.T. -0.02 min
Lab File: BE090820.D
Acq: 15 Sep 2015 4:08

Tgt Ion:278 Resp: 8
Ion Ratio Lower Upper
278 100
139 163.1 15.4 23.0#
279 135.4 18.8 28.2#

