

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081315\
 Data File : BE090503.D
 Acq On : 13 Aug 2015 17:03
 Operator : UM/IZ
 Sample : PB84988BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB84988BL

Quant Time: Aug 14 04:33:08 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 06 12:28:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	24474	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	119775	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	64274	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	144065	5.00	ng	0.00
25) Chrysene-d12	21.09	240	147444	5.00	ng	0.00
32) Perylene-d12	23.40	264	136650	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	59726	16.27	ng	0.00
5) Phenol-d6	6.77	99	86908	10.82	ng	0.00
7) Nitrobenzene-d5	8.72	82	37480	3.89	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	23950	10.56	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	70757	4.00	ng	0.00
27) Terphenyl-d14	19.55	244	100305	4.62	ng	-0.01

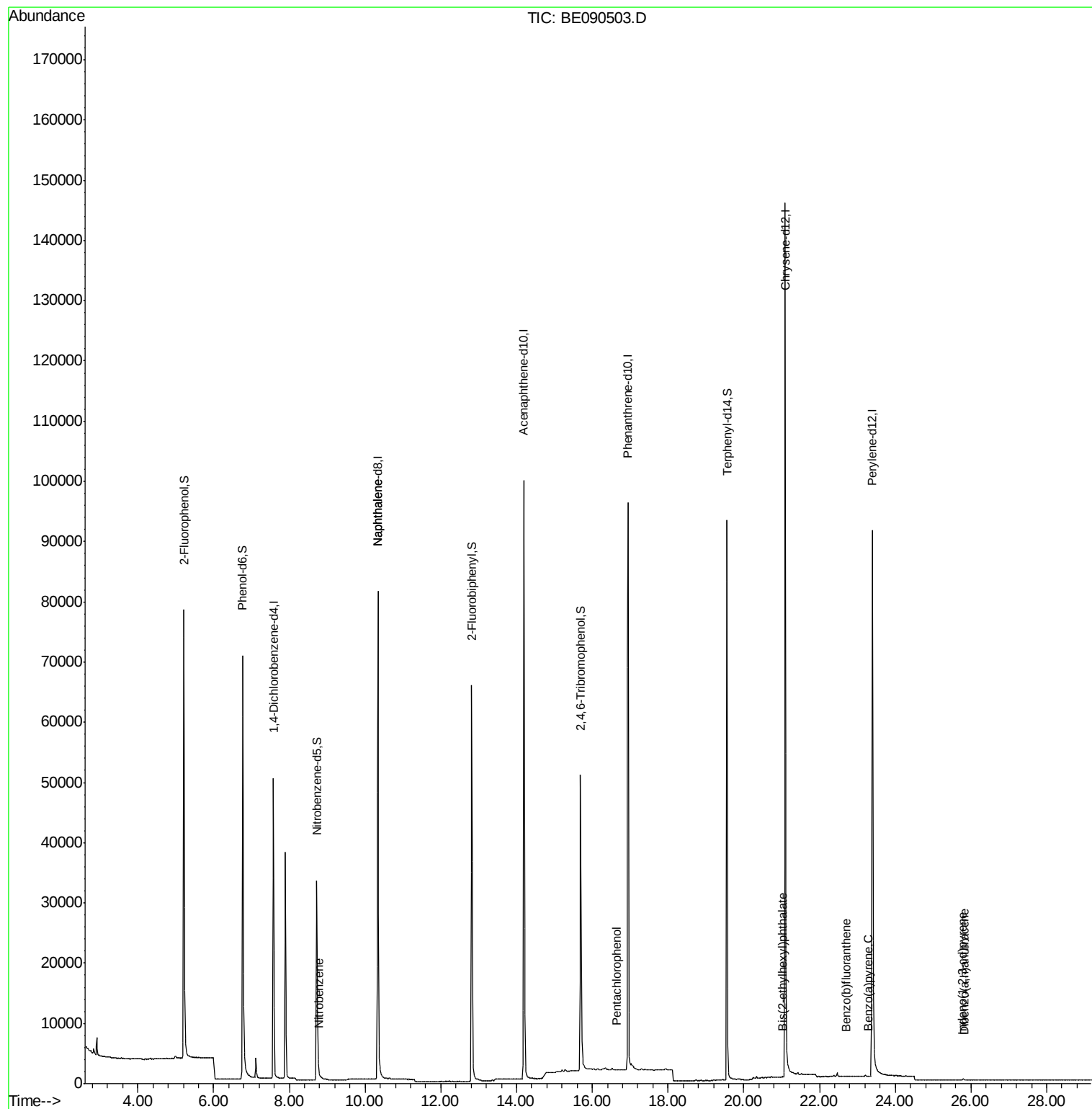
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	28	Below Cal	#	1
8) Nitrobenzene	8.79	77	15	0.21 ng	#	86
9) Naphthalene	10.35	128	1734	0.07 ng	#	62
10) Hexachlorobutadiene	10.81	225	5	Below Cal		96
21) Pentachlorophenol	16.63	266	16	0.11 ng	#	67
30) Bis(2-ethylhexyl)phthalate	21.02	149	168	0.13 ng	#	96
31) Indeno(1,2,3-cd)pyrene	25.79	276	111	0.26 ng	#	90
33) Benzo(b)fluoranthene	22.70	252	80	0.20 ng	#	1
35) Benzo(a)pyrene	23.29	252	98	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.80	278	80	0.29 ng	#	1

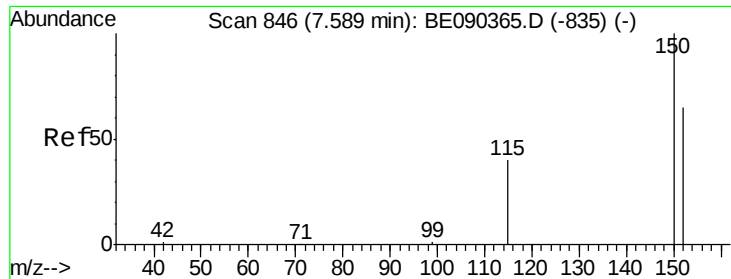
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 844

Delta R.T. -0.01 min

Lab File: BE090503.D

Acq: 13 Aug 2015 17:03

Instrument :

BNA_E

ClientSampleId :

PB84988BL

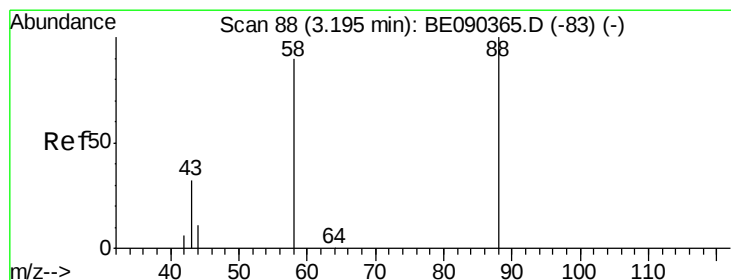
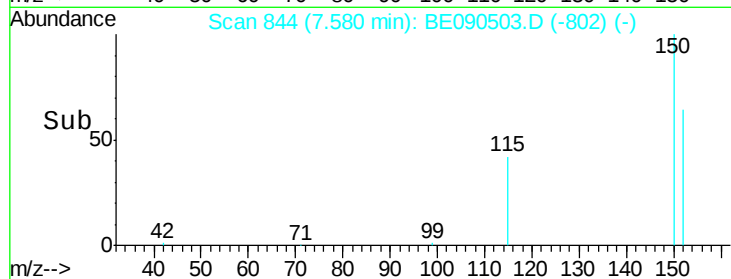
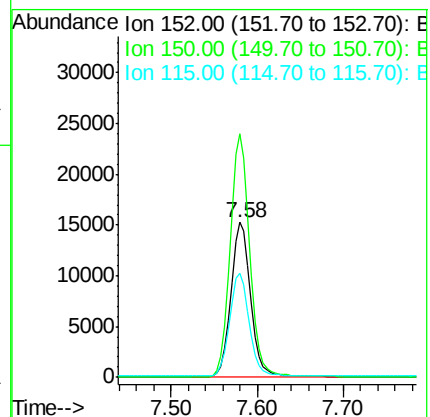
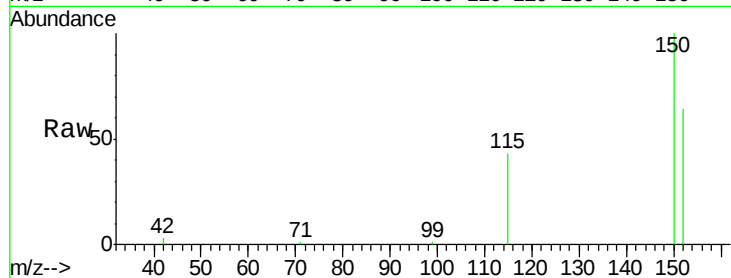
Tgt Ion:152 Resp: 24474

Ion Ratio Lower Upper

152 100

150 157.0 123.0 184.4

115 67.4 48.9 73.3



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.34 min Scan# 109

Delta R.T. 0.14 min

Lab File: BE090503.D

Acq: 13 Aug 2015 17:03

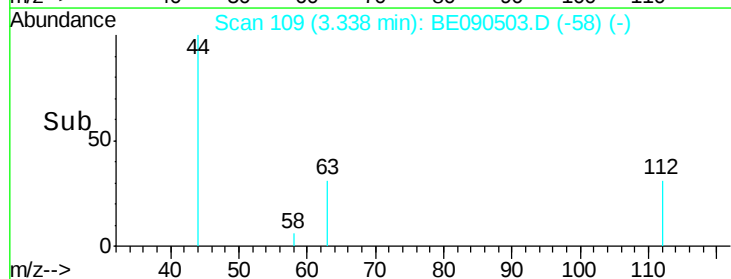
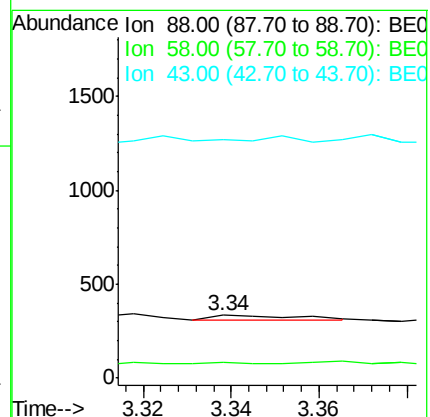
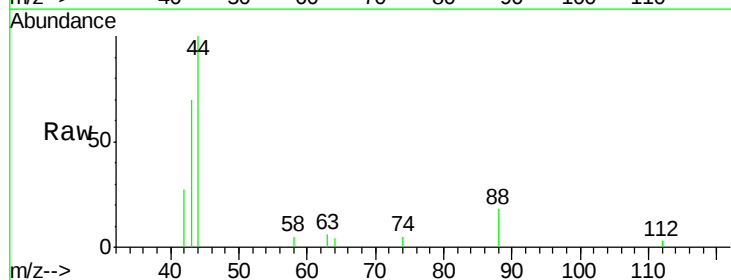
Tgt Ion: 88 Resp: 28

Ion Ratio Lower Upper

88 100

58 0.0 70.0 105.0#

43 128.6 28.4 42.6#





#4

2-Fluorophenol

Concen: 16.27 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090503.D

Acq: 13 Aug 2015 17:03

Instrument :

BNA_E

ClientSampleId :

PB84988BL

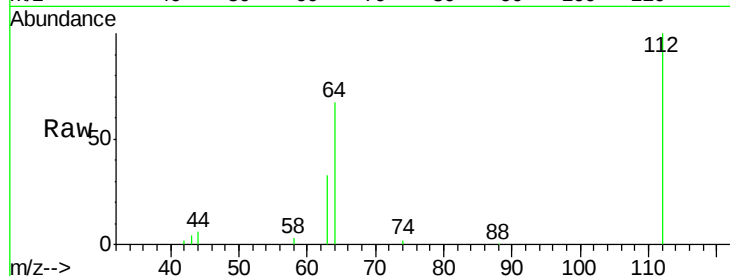
Tgt Ion: 112 Resp: 59726

Ion Ratio Lower Upper

112 100

64 70.9 37.1 55.7#

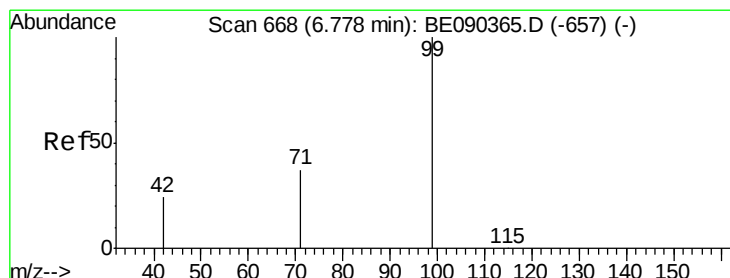
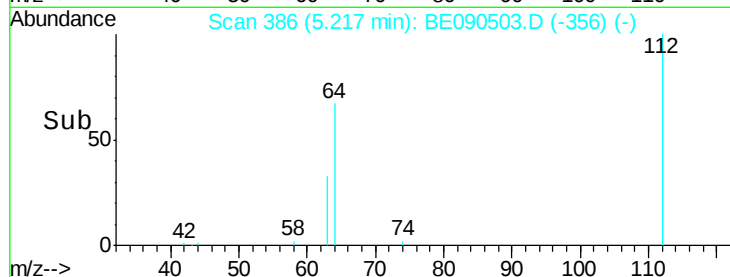
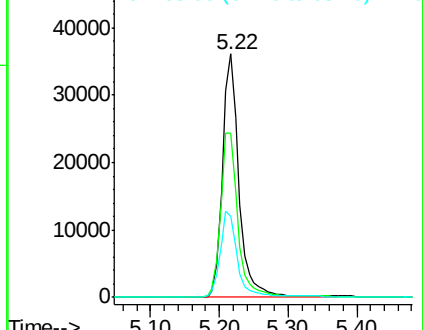
63 36.0 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): BE090503.D (-356) (-)

Ion 64.00 (63.70 to 64.70): BE090503.D (-356) (-)

Ion 63.00 (62.70 to 63.70): BE090503.D (-356) (-)



#5

Phenol-d6

Concen: 10.82 ng

RT: 6.77 min Scan# 666

Delta R.T. -0.01 min

Lab File: BE090503.D

Acq: 13 Aug 2015 17:03

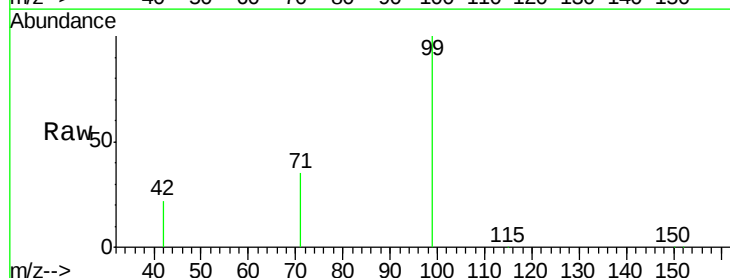
Tgt Ion: 99 Resp: 86908

Ion Ratio Lower Upper

99 100

42 20.4 18.2 27.4

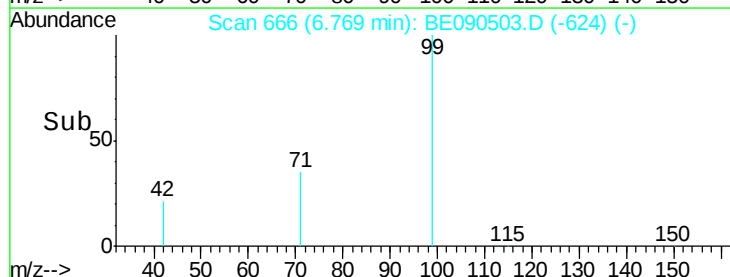
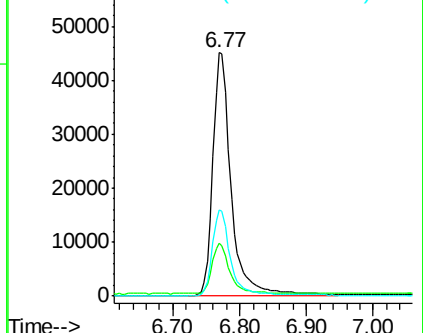
71 35.2 27.4 41.0

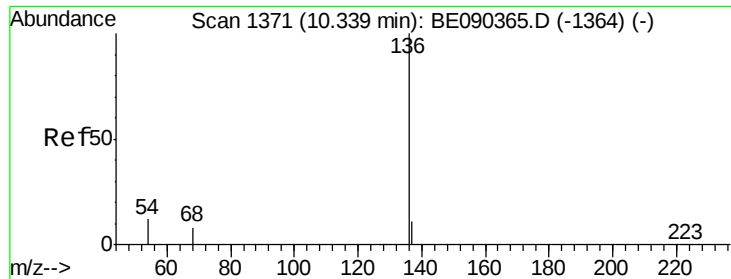


Abundance Ion 99.00 (98.70 to 99.70): BE090503.D (-624) (-)

Ion 42.00 (41.70 to 42.70): BE090503.D (-624) (-)

Ion 71.00 (70.70 to 71.70): BE090503.D (-624) (-)

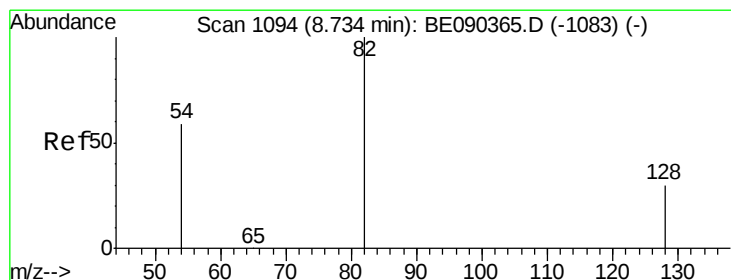
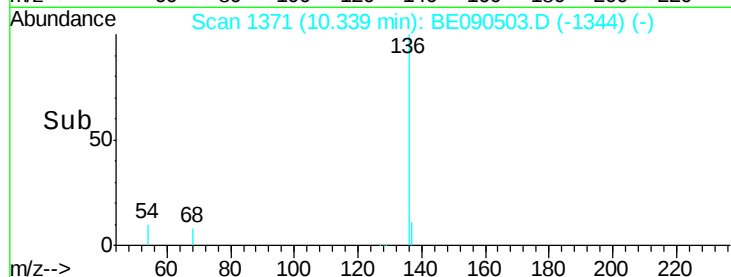
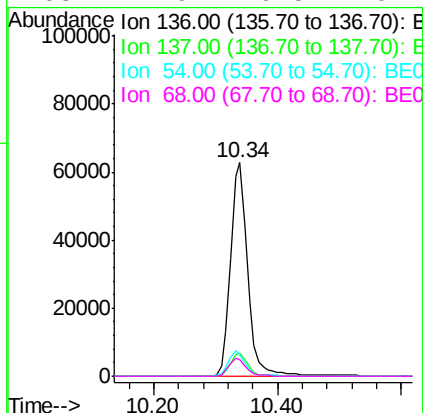
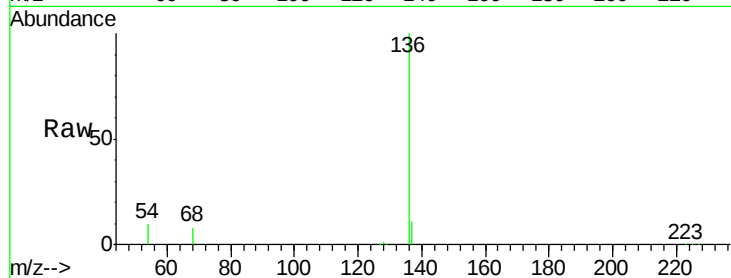




#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.34 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE090503.D
Acq: 13 Aug 2015 17:03

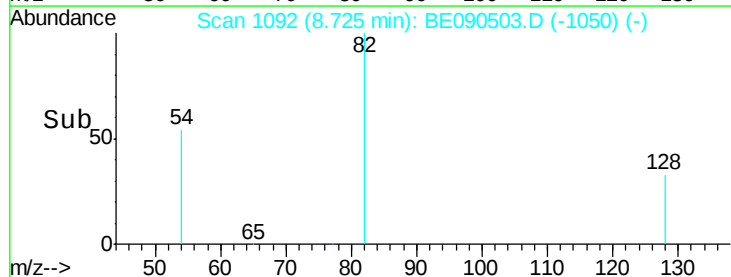
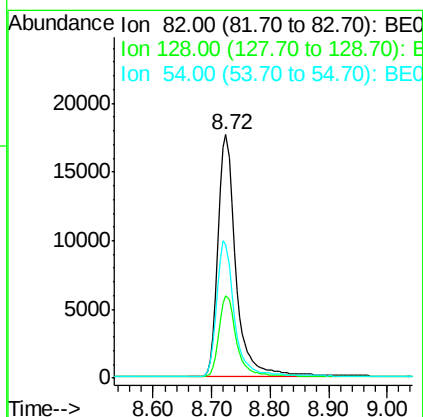
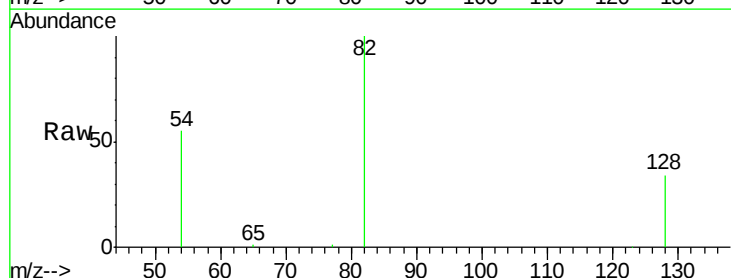
Instrument :
BNA_E
ClientSampleId :
PB84988BL

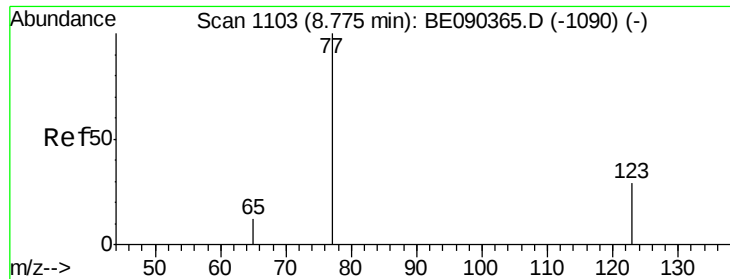
Tgt Ion:	136	Resp:	119775
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	10.4	9.4	14.0
68	7.9	6.5	9.7



#7
Nitrobenzene-d5
Concen: 3.89 ng
RT: 8.72 min Scan# 1092
Delta R.T. -0.01 min
Lab File: BE090503.D
Acq: 13 Aug 2015 17:03

Tgt Ion:	82	Resp:	37480
Ion	Ratio	Lower	Upper
82	100		
128	33.8	25.0	37.6
54	54.7	48.8	73.2





#8

Nitrobenzene

Concen: 0.21 ng

RT: 8.79 min Scan# 1107

Delta R.T. 0.02 min

Lab File: BE090503.D

Acq: 13 Aug 2015 17:03

Instrument :

BNA_E

ClientSampleId :

PB84988BL

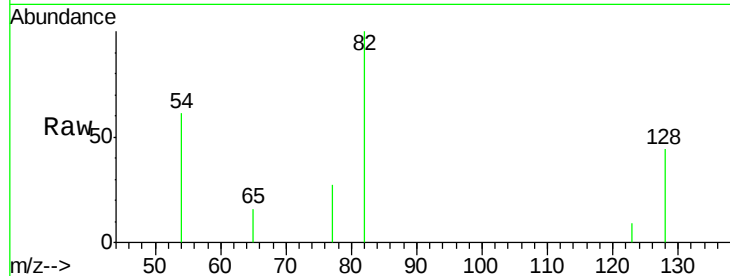
Tgt Ion: 77 Resp: 15

Ion Ratio Lower Upper

77 100

123 26.7 25.1 37.7

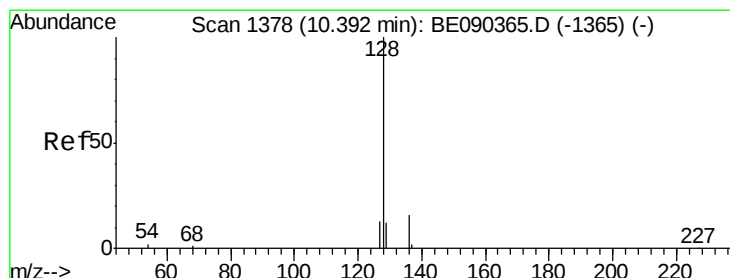
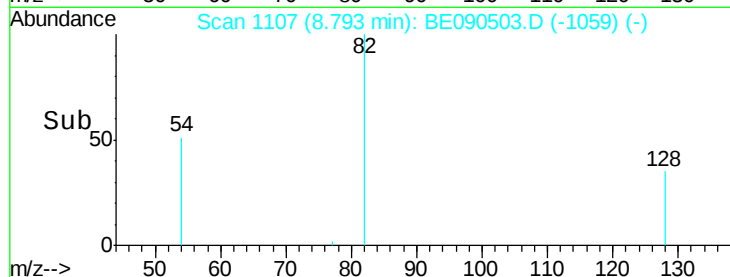
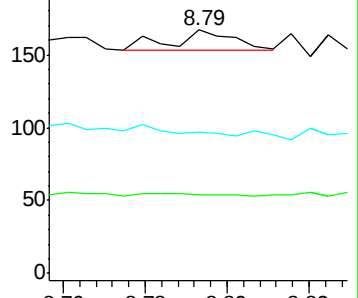
65 0.0 9.3 13.9#



Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0



#9

Naphthalene

Concen: 0.07 ng

RT: 10.35 min Scan# 1372

Delta R.T. -0.04 min

Lab File: BE090503.D

Acq: 13 Aug 2015 17:03

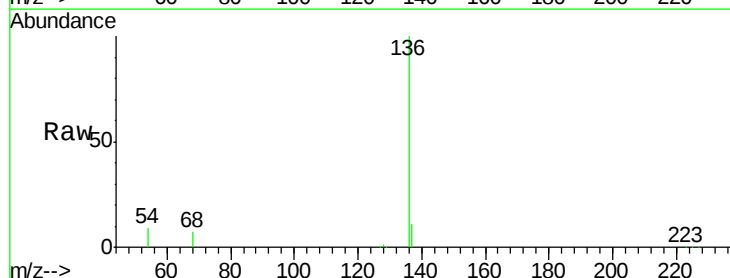
Tgt Ion: 128 Resp: 1734

Ion Ratio Lower Upper

128 100

129 29.9 9.8 14.6#

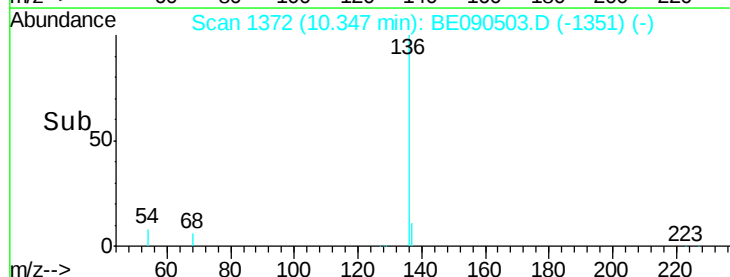
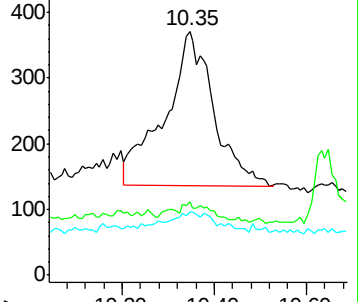
127 25.9 10.6 16.0#

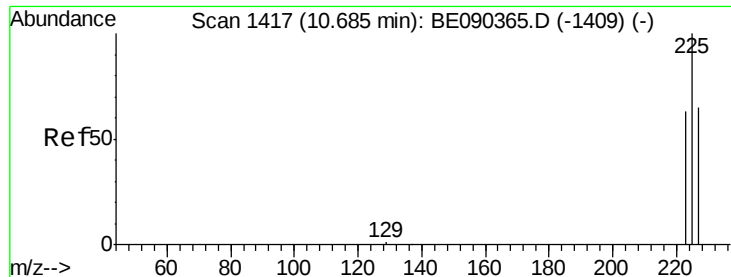


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

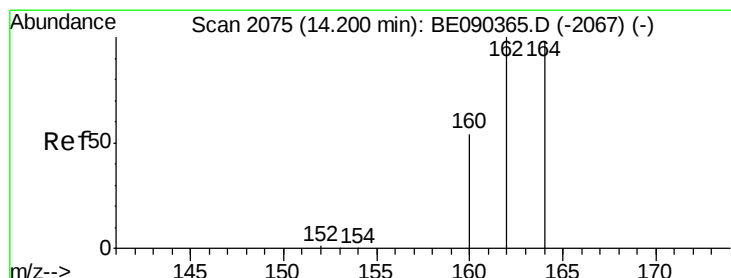
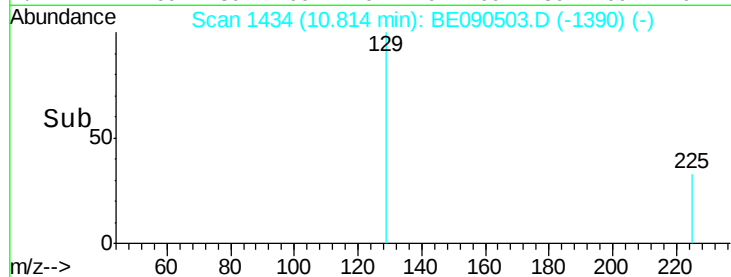
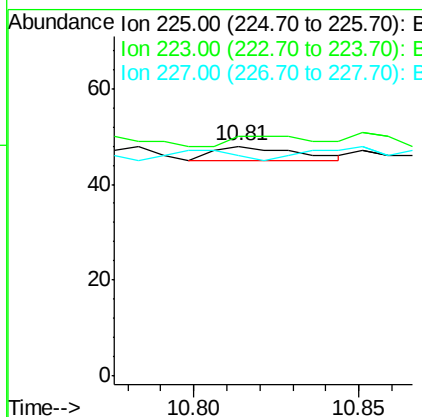
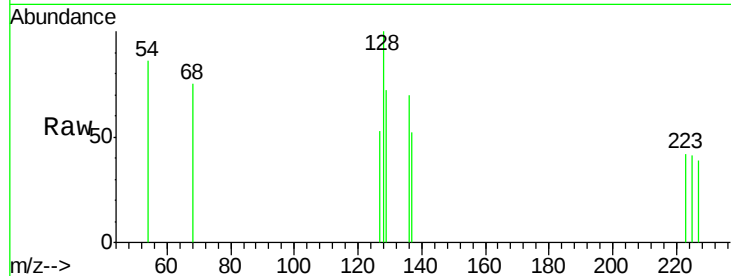




#10
Hexachlorobutadiene
Concen: Below Cal
RT: 10.81 min Scan# 1434
Delta R.T. 0.13 min
Lab File: BE090503.D
Acq: 13 Aug 2015 17:03

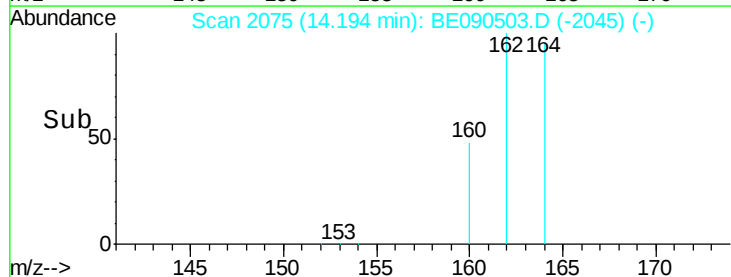
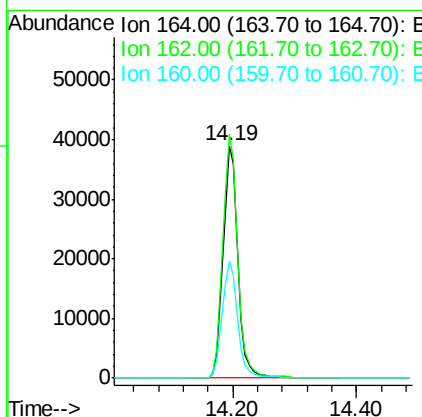
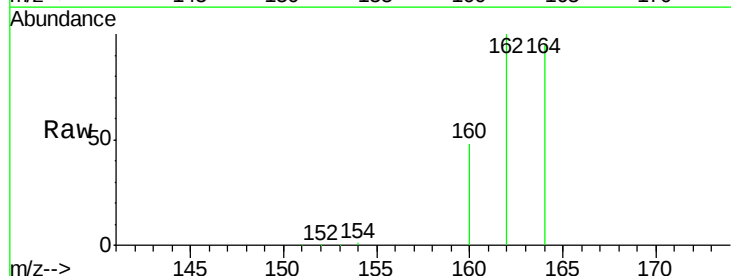
Instrument :
BNA_E
ClientSampleId :
PB84988BL

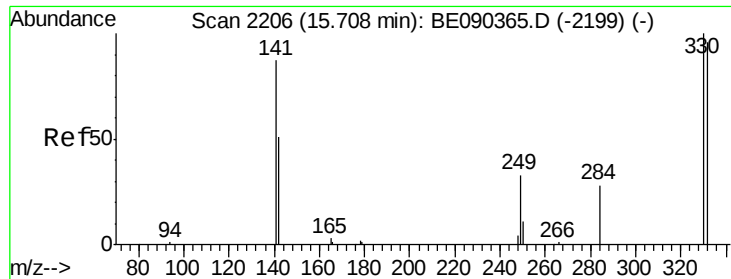
Tgt Ion: 225 Resp: 5
Ion Ratio Lower Upper
225 100
223 60.0 50.6 75.8
227 60.0 50.7 76.1



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.19 min Scan# 2075
Delta R.T. -0.01 min
Lab File: BE090503.D
Acq: 13 Aug 2015 17:03

Tgt Ion: 164 Resp: 64274
Ion Ratio Lower Upper
164 100
162 104.7 81.8 122.8
160 50.1 44.2 66.4

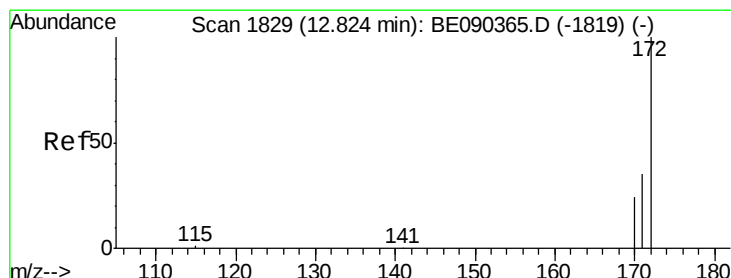
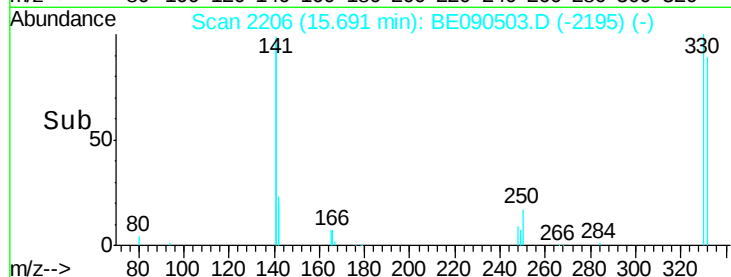
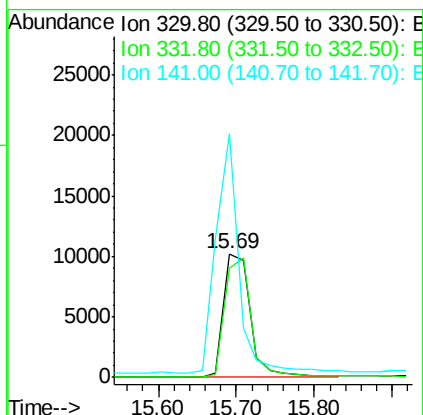
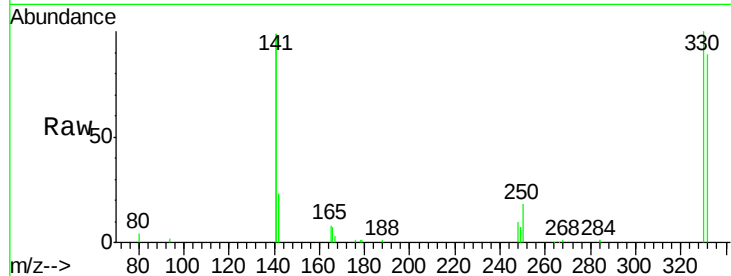




#13
 2,4,6-Tribromophenol
 Concen: 10.56 ng
 RT: 15.69 min Scan# 2206
 Delta R.T. -0.02 min
 Lab File: BE090503.D
 Acq: 13 Aug 2015 17:03

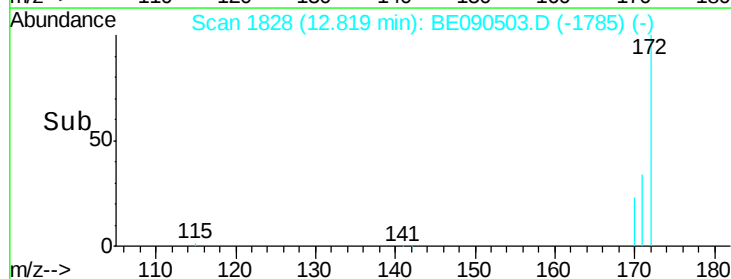
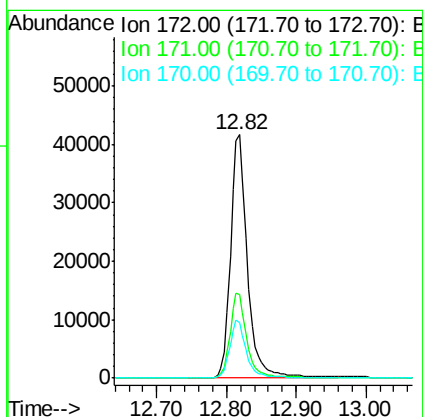
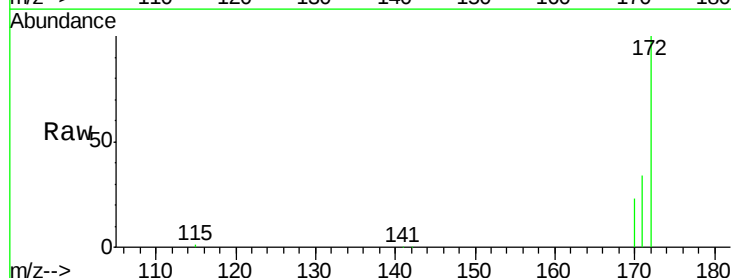
Instrument :
 BNA_E
 ClientSampleId :
 PB84988BL

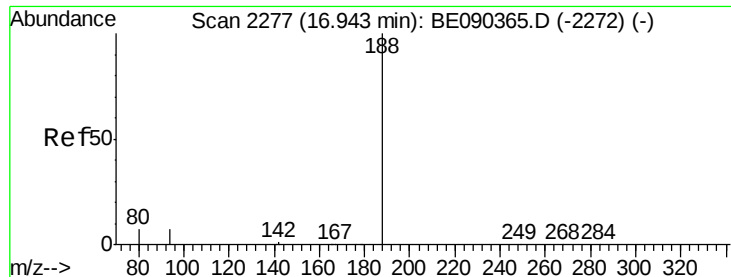
Tgt Ion: 330 Resp: 23950
 Ion Ratio Lower Upper
 330 100
 332 95.5 75.8 113.6
 141 164.8 114.4 171.6



#14
 2-Fluorobiphenyl
 Concen: 4.00 ng
 RT: 12.82 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BE090503.D
 Acq: 13 Aug 2015 17:03

Tgt Ion: 172 Resp: 70757
 Ion Ratio Lower Upper
 172 100
 171 34.3 28.5 42.7
 170 22.9 19.8 29.8





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 2278

Delta R.T. 0.00 min

Lab File: BE090503.D

Acq: 13 Aug 2015 17:03

Instrument :

BNA_E

ClientSampleId :

PB84988BL

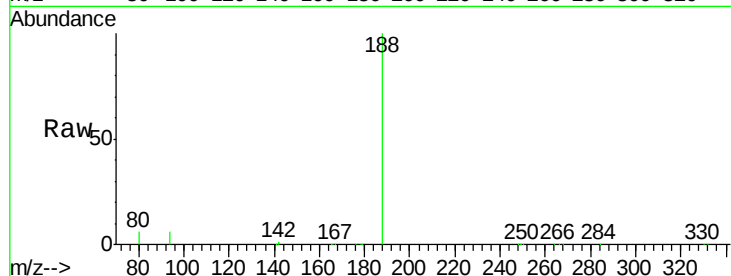
Tgt Ion:188 Resp: 144065

Ion Ratio Lower Upper

188 100

94 6.0 5.7 8.5

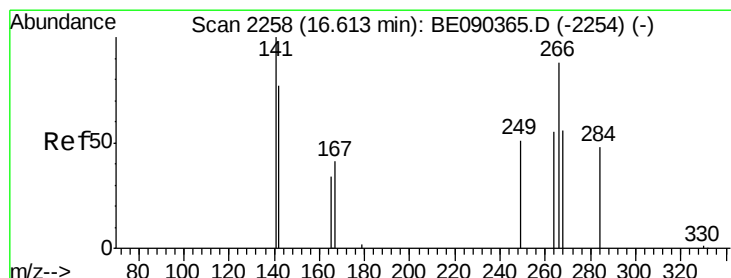
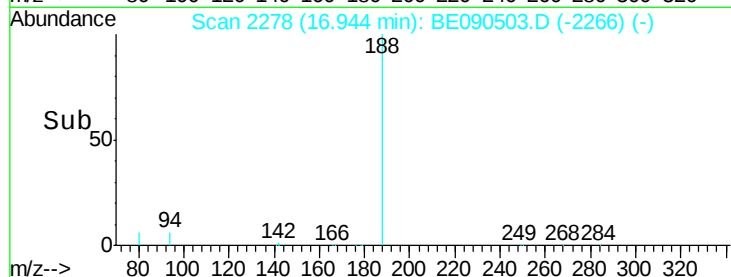
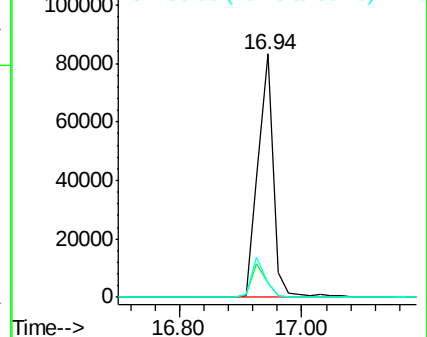
80 6.1 5.8 8.8



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



#21

Pentachlorophenol

Concen: 0.11 ng

RT: 16.63 min Scan# 2260

Delta R.T. 0.02 min

Lab File: BE090503.D

Acq: 13 Aug 2015 17:03

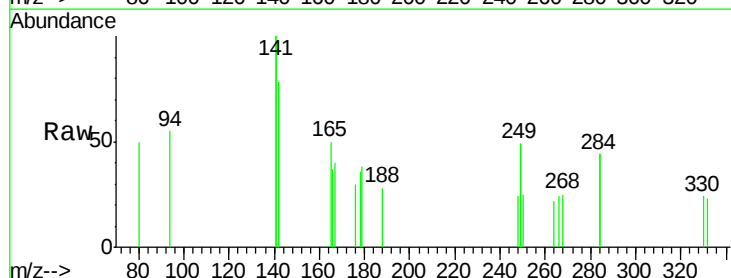
Tgt Ion:266 Resp: 16

Ion Ratio Lower Upper

266 100

268 103.9 58.5 87.7#

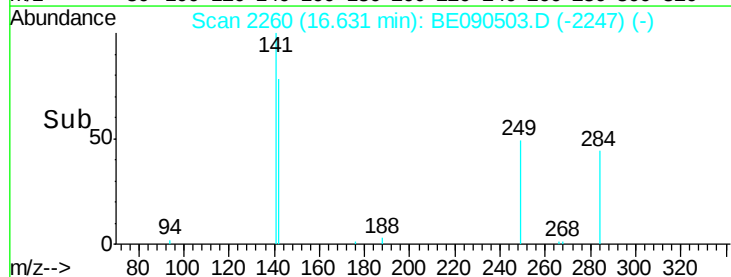
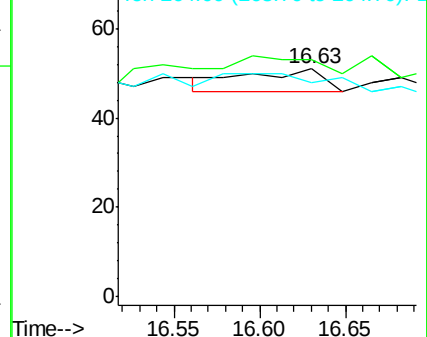
264 94.1 56.0 84.0#

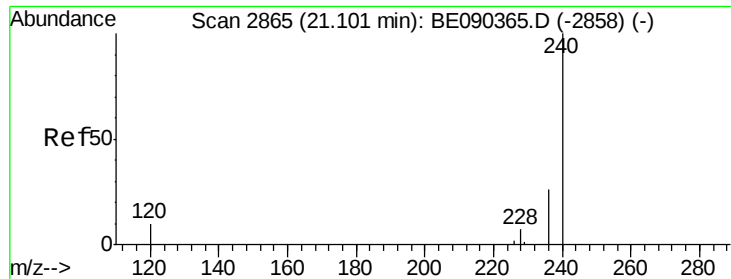


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

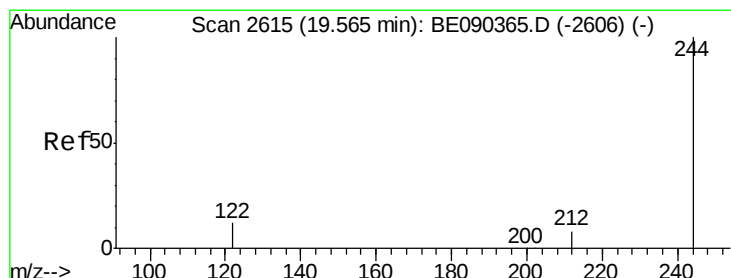
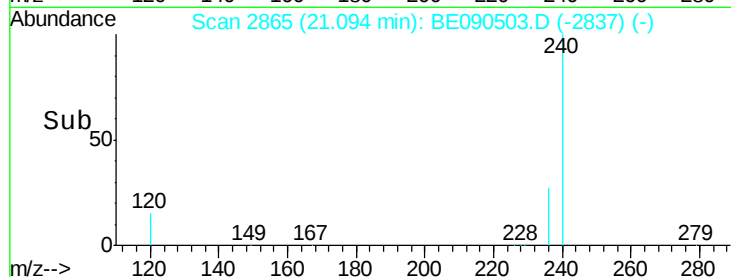
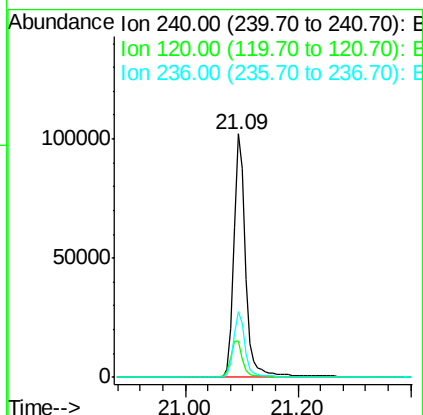
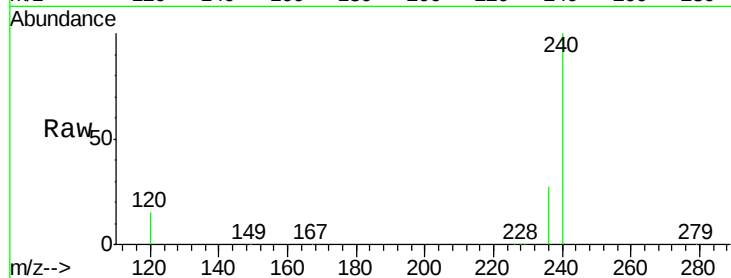




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.09 min Scan# 2865
Delta R.T. -0.01 min
Lab File: BE090503.D
Acq: 13 Aug 2015 17:03

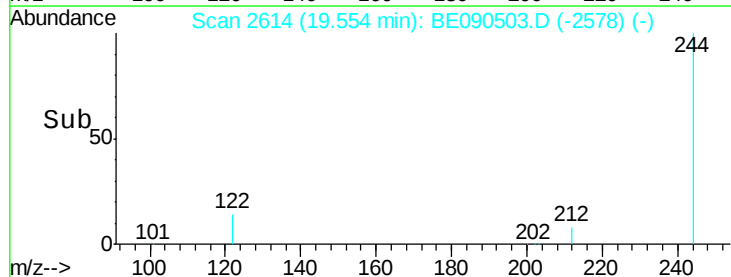
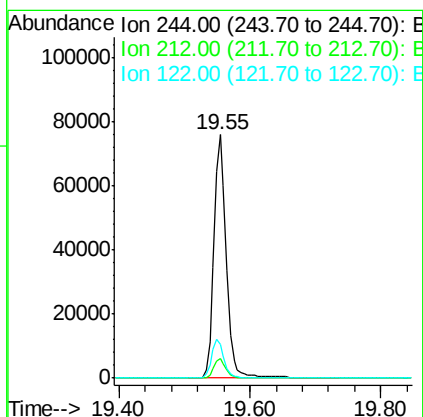
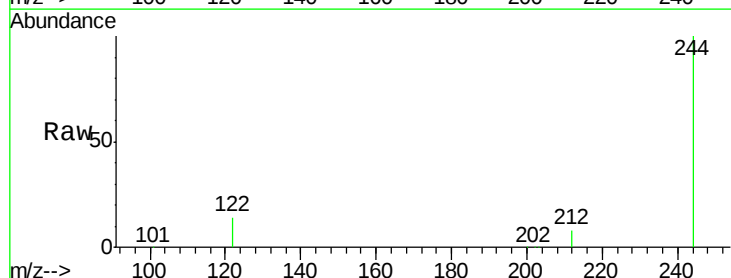
Instrument :
BNA_E
ClientSampleId :
PB84988BL

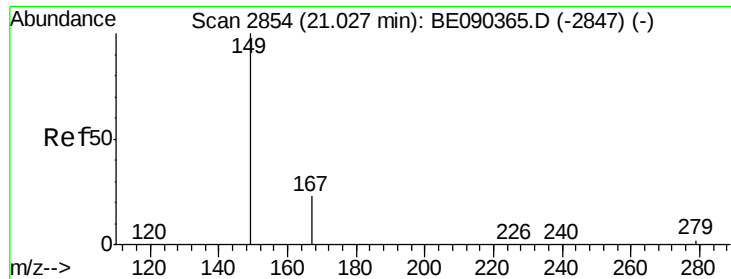
Tgt Ion:240 Resp: 147444
Ion Ratio Lower Upper
240 100
120 14.7 8.3 12.5#
236 27.2 21.0 31.4



#27
Terphenyl-d14
Concen: 4.62 ng
RT: 19.55 min Scan# 2614
Delta R.T. -0.01 min
Lab File: BE090503.D
Acq: 13 Aug 2015 17:03

Tgt Ion:244 Resp: 100305
Ion Ratio Lower Upper
244 100
212 7.9 6.6 9.8
122 13.9 10.2 15.4





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.13 ng

RT: 21.02 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BE090503.D

Acq: 13 Aug 2015 17:03

Instrument :

BNA_E

ClientSampled :

PB84988BL

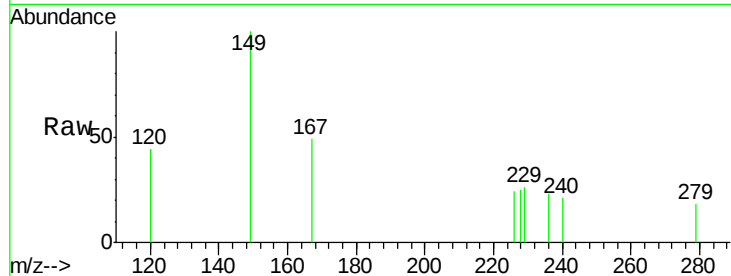
Tgt Ion:149 Resp: 168

Ion Ratio Lower Upper

149 100

167 23.8 19.8 29.8

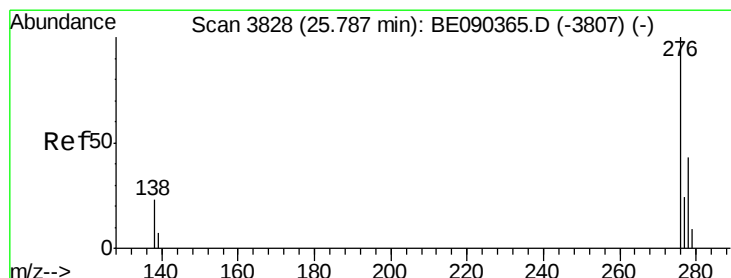
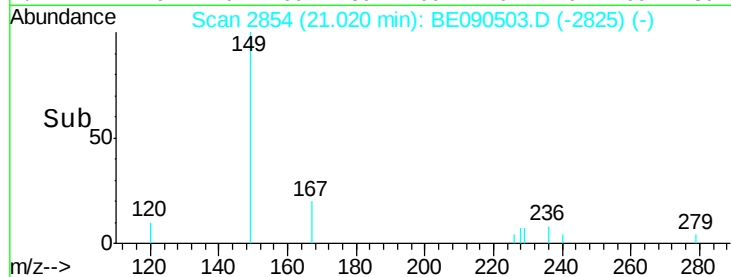
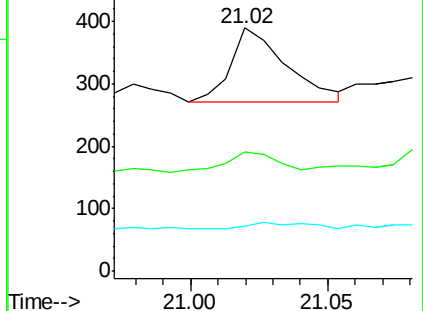
279 9.5 2.4 3.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#31

Indeno(1,2,3-cd)pyrene

Concen: 0.26 ng

RT: 25.79 min Scan# 3829

Delta R.T. 0.00 min

Lab File: BE090503.D

Acq: 13 Aug 2015 17:03

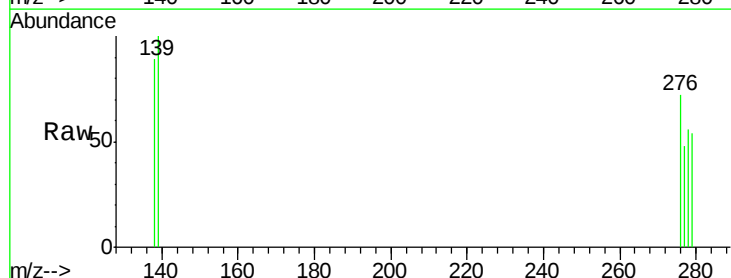
Tgt Ion:276 Resp: 111

Ion Ratio Lower Upper

276 100

138 19.8 18.8 28.2

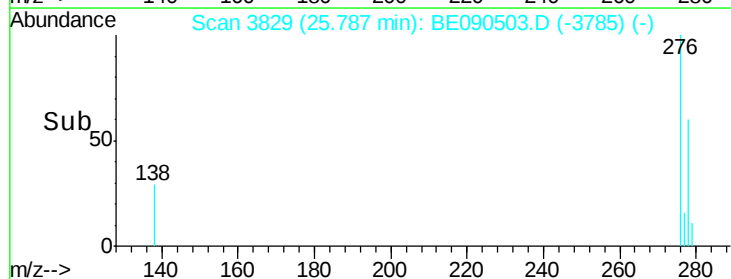
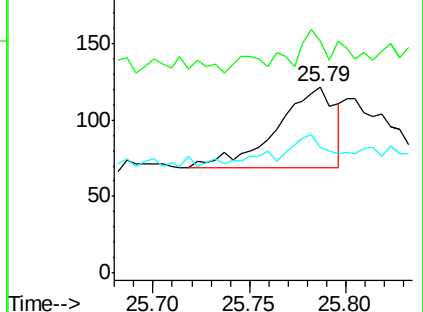
277 17.1 18.2 27.4#

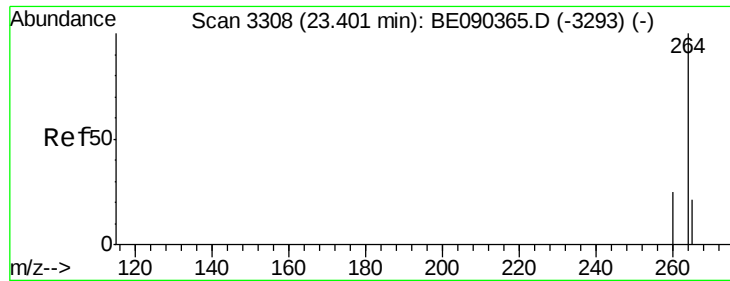


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

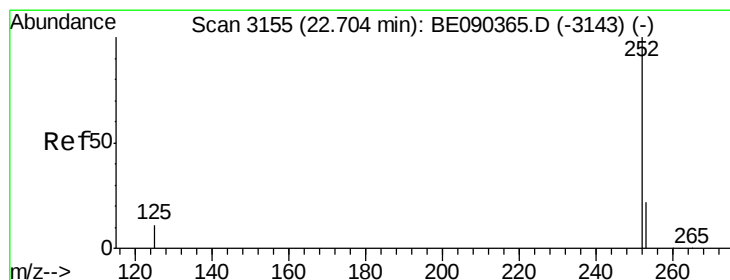
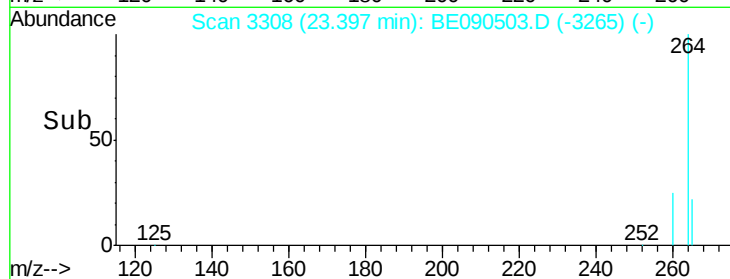
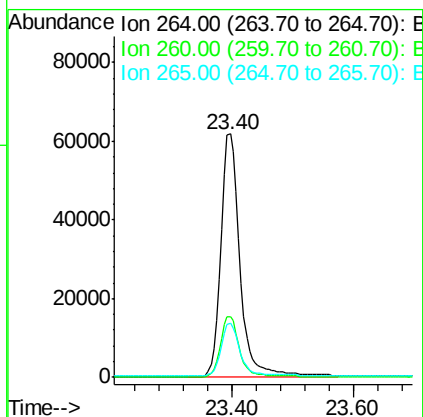
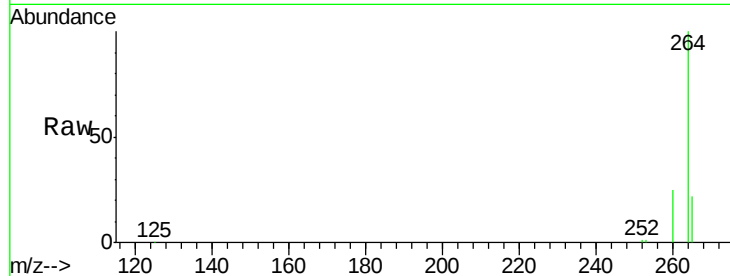




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: BE090503.D
 Acq: 13 Aug 2015 17:03

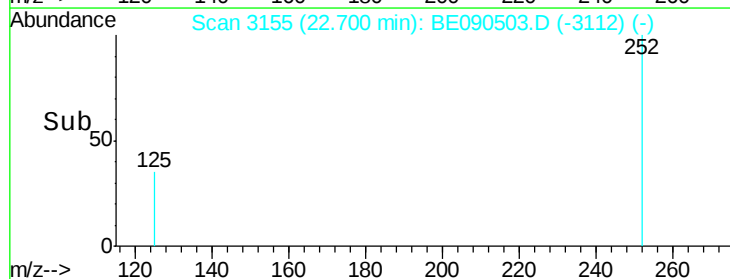
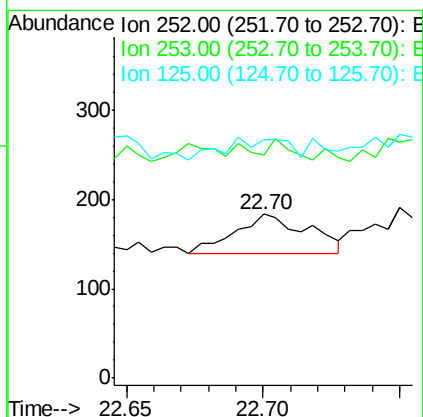
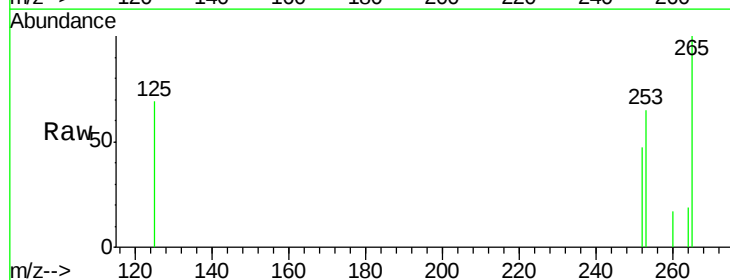
Instrument :
 BNA_E
 ClientSampleId :
 PB84988BL

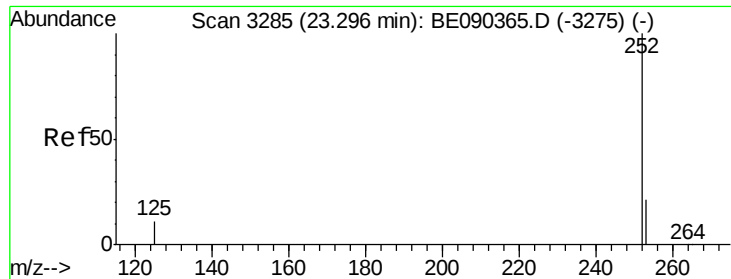
Tgt Ion: 264 Resp: 136650
 Ion Ratio Lower Upper
 264 100
 260 24.7 20.1 30.1
 265 22.2 17.2 25.8



#33
Benzo(b)fluoranthene
 Concen: 0.20 ng
 RT: 22.70 min Scan# 3155
 Delta R.T. -0.00 min
 Lab File: BE090503.D
 Acq: 13 Aug 2015 17:03

Tgt Ion: 252 Resp: 80
 Ion Ratio Lower Upper
 252 100
 253 136.6 18.1 27.1#
 125 145.4 9.4 14.2#





#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.29 min Scan# 3285

Delta R.T. -0.00 min

Lab File: BE090503.D

Acq: 13 Aug 2015 17:03

Instrument :

BNA_E

ClientSampleId :

PB84988BL

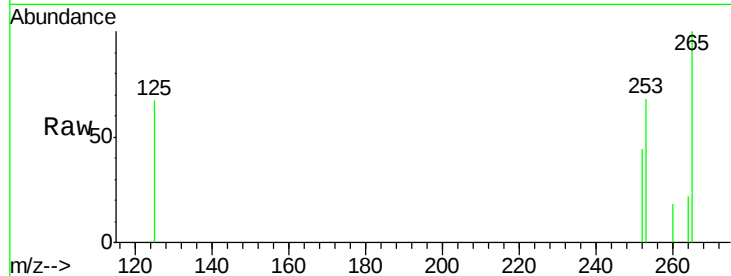
Tgt Ion:252 Resp: 98

Ion Ratio Lower Upper

252 100

253 154.7 17.6 26.4#

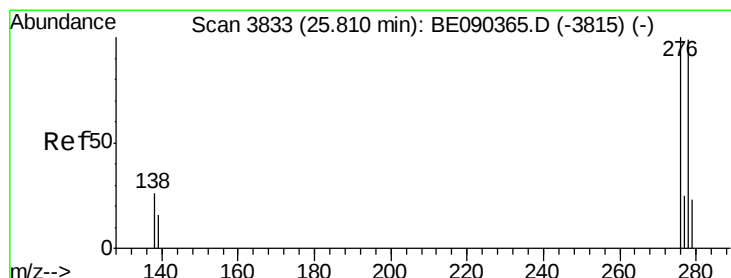
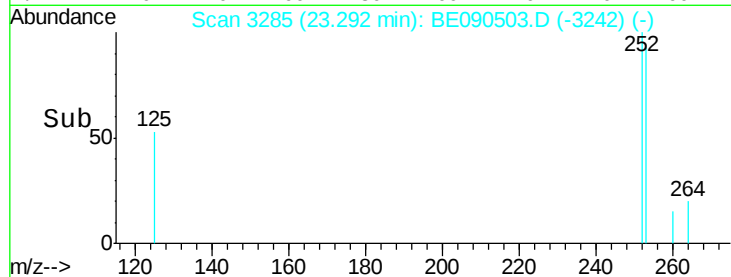
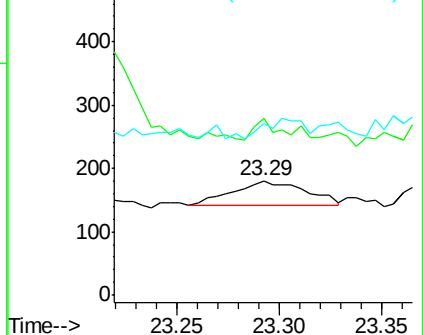
125 150.3 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 25.80 min Scan# 3832

Delta R.T. -0.01 min

Lab File: BE090503.D

Acq: 13 Aug 2015 17:03

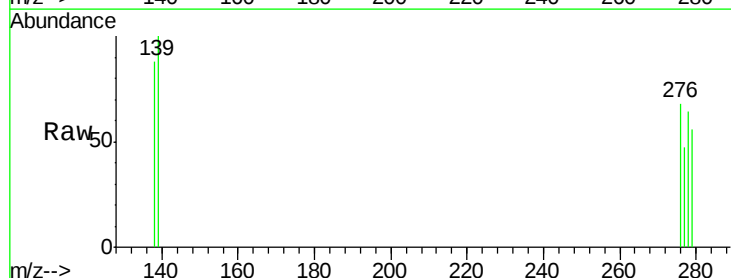
Tgt Ion:278 Resp: 80

Ion Ratio Lower Upper

278 100

139 157.0 14.2 21.4#

279 87.9 20.1 30.1#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

