

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081315\
 Data File : BE090502.D
 Acq On : 13 Aug 2015 16:24
 Operator : UM/IZ
 Sample : G3248-04DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CSB-08DL

Quant Time: Aug 14 04:32:47 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	7.57	152	25563	5.00	ng	-0.01
6) Naphthalene-d8	10.33	136	126314	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	68721	5.00	ng	0.00
18) Phenanthrene-d10	16.93	188	148608	5.00	ng	-0.02
25) Chrysene-d12	21.09	240	155523	5.00	ng	0.00
32) Perylene-d12	23.40	264	143810	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	4417	1.15	ng	0.00
5) Phenol-d6	6.77	99	6766	1.04	ng	0.00
7) Nitrobenzene-d5	8.71	82	3685	0.55	ng	-0.02
13) 2,4,6-Tribromophenol	15.69	330	1909	1.54	ng	-0.01
14) 2-Fluorobiphenyl	12.81	172	7911	0.42	ng	-0.01
27) Terphenyl-d14	19.55	244	7635	0.33	ng	-0.01

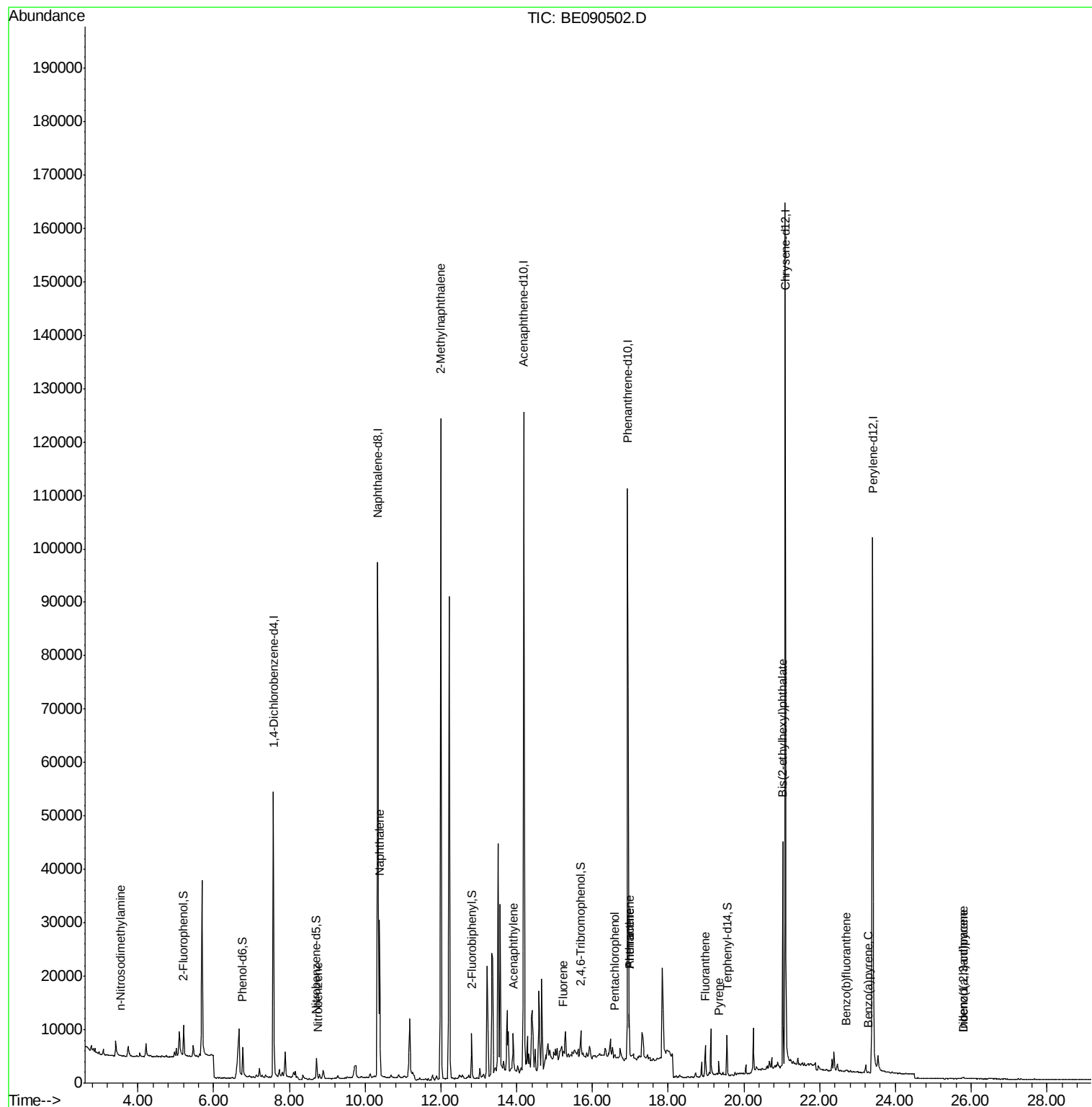
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.27	88	30	Below Cal	#	7
3) n-Nitrosodimethylamine	3.54	42	88	0.02	ng	10
8) Nitrobenzene	8.76	77	75	0.22	ng	1
9) Naphthalene	10.38	128	40711	1.46	ng	99
10) Hexachlorobutadiene	10.65	225	3	Below Cal	#	40
11) 2-Methylnaphthalene	12.00	142	85375	5.28	ng	98
15) Acenaphthylene	13.91	152	7164	0.06	ng	1
17) Fluorene	15.24	166	749	0.03	ng	67
21) Pentachlorophenol	16.60	266	285	0.39	ng	96
22) Phenanthrene	16.98	178	9988	0.27	ng	96
23) Anthracene	16.98	178	9940	0.33	ng	98
24) Fluoranthene	18.98	202	5186	0.14	ng	73
26) Pyrene	19.34	202	2463	0.07	ng	95
30) Bis(2-ethylhexyl)phthalate	21.03	149	38837	3.54	ng	100
31) Indeno(1,2,3-cd)pyrene	25.79	276	424	0.26	ng	59
33) Benzo(b)fluoranthene	22.69	252	227	0.20	ng	1
35) Benzo(a)pyrene	23.30	252	221	0.23	ng	1
36) Dibenzo(a,h)anthracene	25.79	278	376	0.30	ng	1

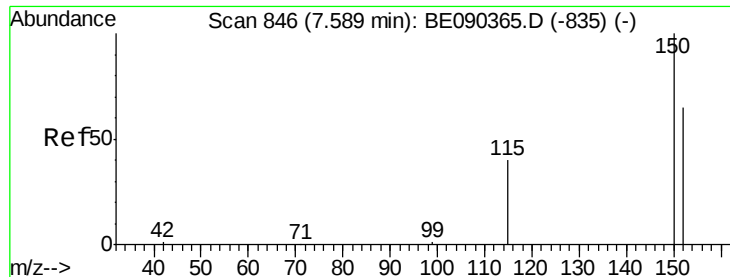
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.57 min Scan# 843

Delta R.T. -0.01 min

Lab File: BE090502.D

Acq: 13 Aug 2015 16:24

Instrument :

BNA_E

ClientSampleId :

CSB-08DL

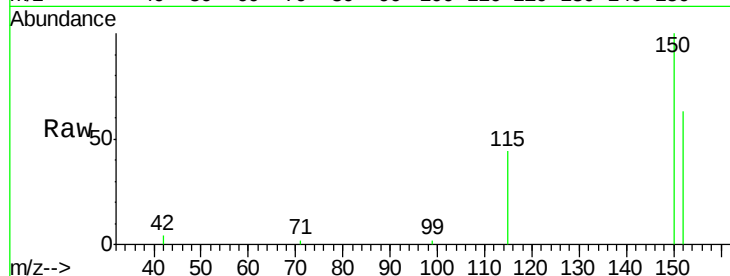
Tgt Ion:152 Resp: 25563

Ion Ratio Lower Upper

152 100

150 157.7 123.0 184.4

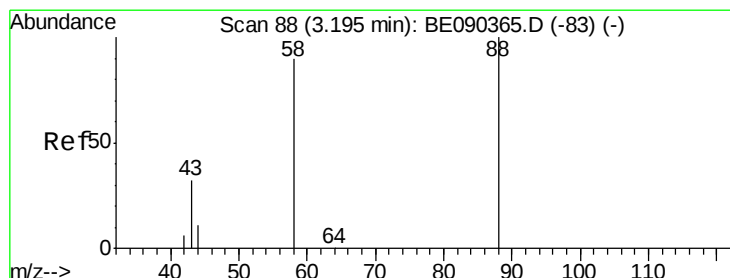
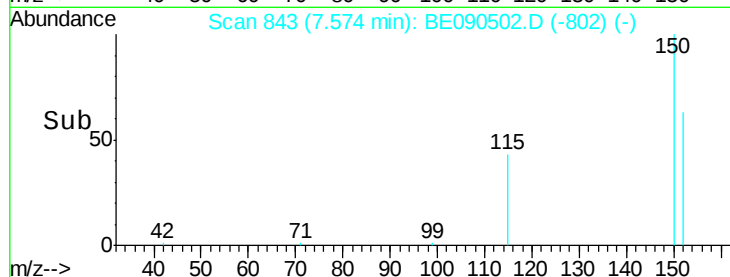
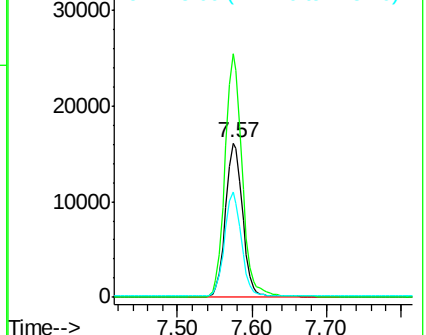
115 68.7 48.9 73.3



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: Below Cal

RT: 3.27 min Scan# 99

Delta R.T. 0.07 min

Lab File: BE090502.D

Acq: 13 Aug 2015 16:24

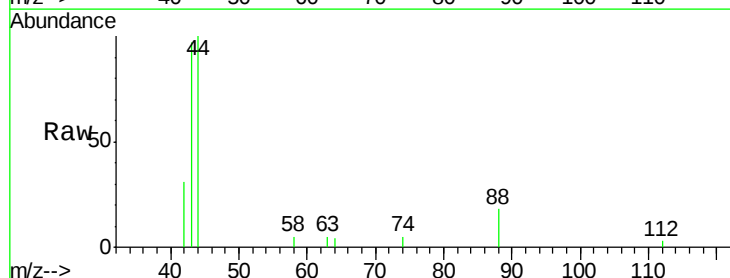
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

58 53.3 70.0 105.0#

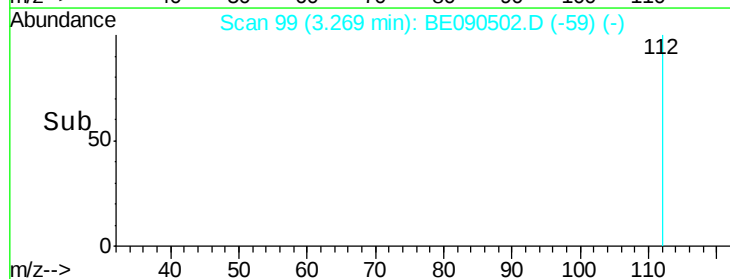
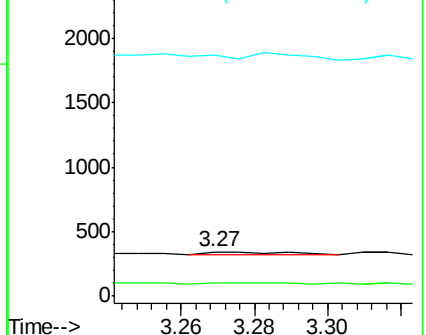
43 170.0 28.4 42.6#

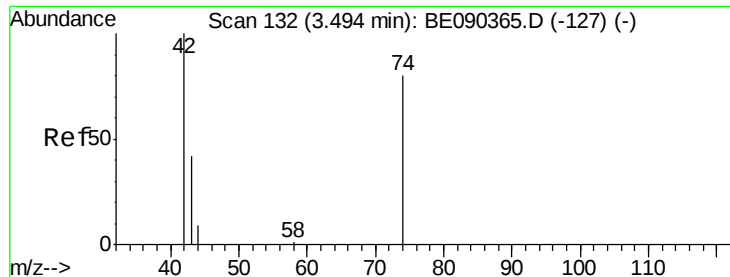


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



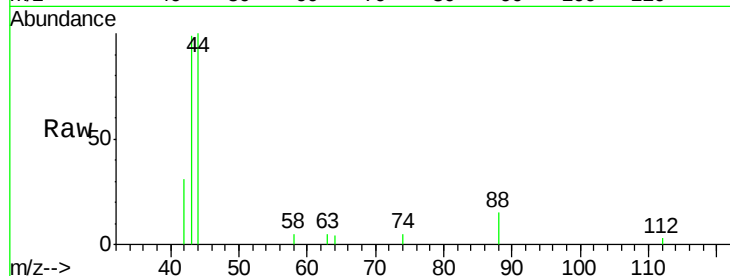


#3

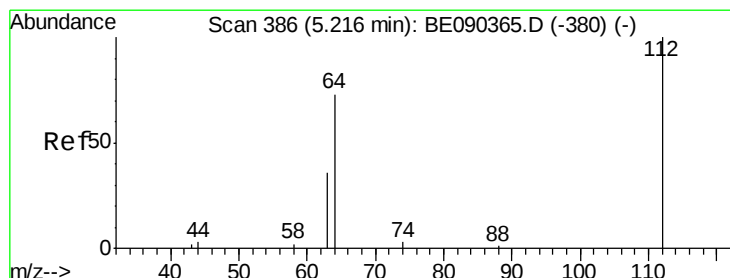
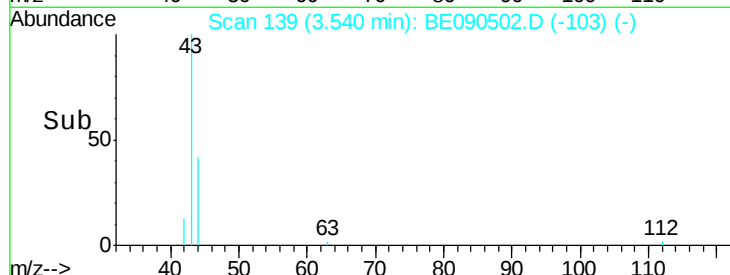
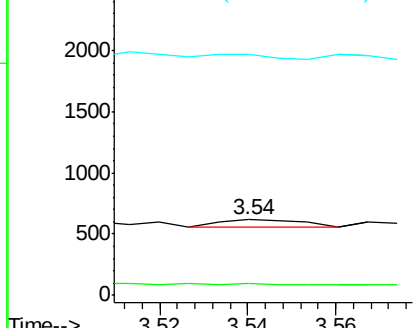
n-Nitrosodimethylamine
 Concen: 0.02 ng
 RT: 3.54 min Scan# 139
 Delta R.T. 0.05 min
 Lab File: BE090502.D
 Acq: 13 Aug 2015 16:24

Instrument :
 BNA_E
 ClientSampled :
 CSB-08DL

Tgt Ion: 42 Resp: 88
 Ion Ratio Lower Upper
 42 100
 74 0.0 75.2 112.8#
 44 0.0 8.7 13.1#



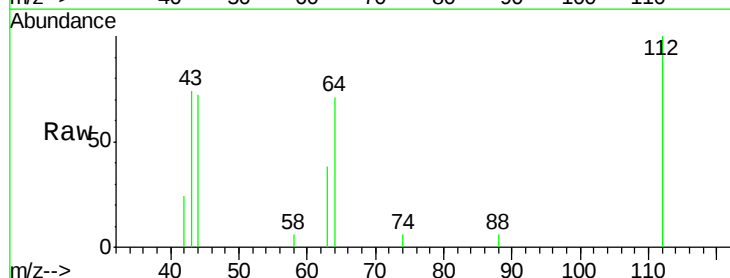
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



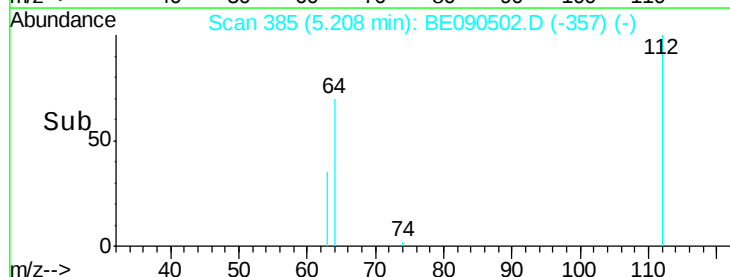
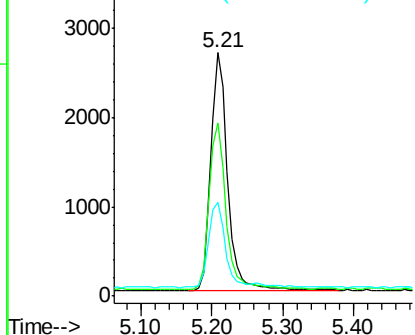
#4

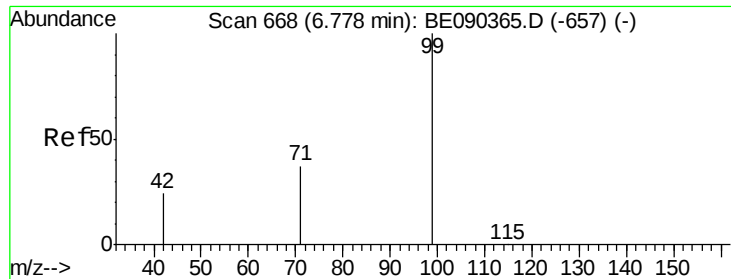
2-Fluorophenol
 Concen: 1.15 ng
 RT: 5.21 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: BE090502.D
 Acq: 13 Aug 2015 16:24

Tgt Ion: 112 Resp: 4417
 Ion Ratio Lower Upper
 112 100
 64 70.5 37.1 55.7#
 63 37.5 19.5 29.3#



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: 1.04 ng

RT: 6.77 min Scan# 666

Delta R.T. -0.01 min

Lab File: BE090502.D

Acq: 13 Aug 2015 16:24

Instrument :

BNA_E

ClientSampleId :

CSB-08DL

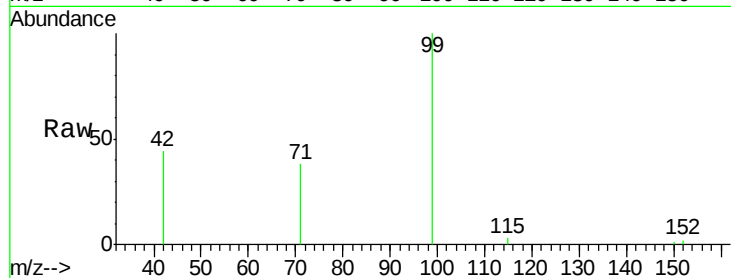
Tgt Ion: 99 Resp: 6766

Ion Ratio Lower Upper

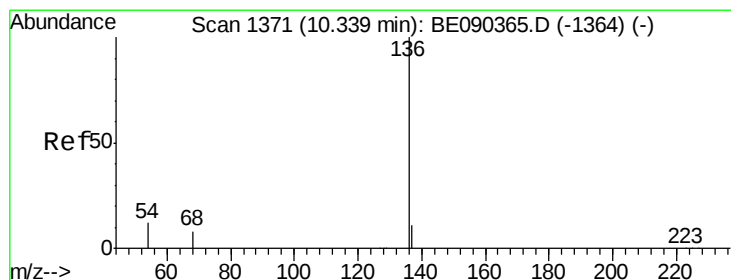
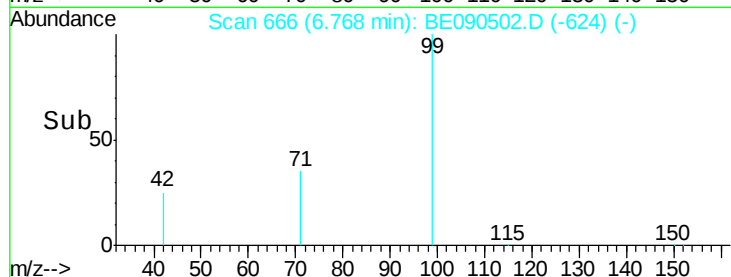
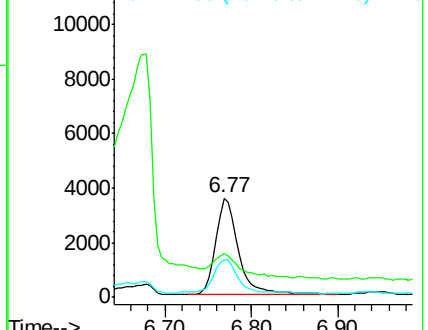
99 100

42 28.9 18.2 27.4#

71 39.9 27.4 41.0



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: 10.33 min Scan# 1370

Delta R.T. -0.01 min

Lab File: BE090502.D

Acq: 13 Aug 2015 16:24

Tgt Ion: 136 Resp: 126314

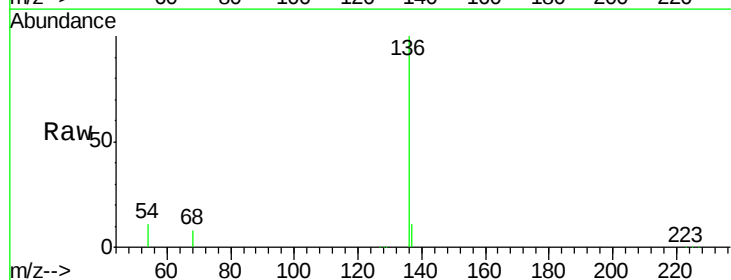
Ion Ratio Lower Upper

136 100

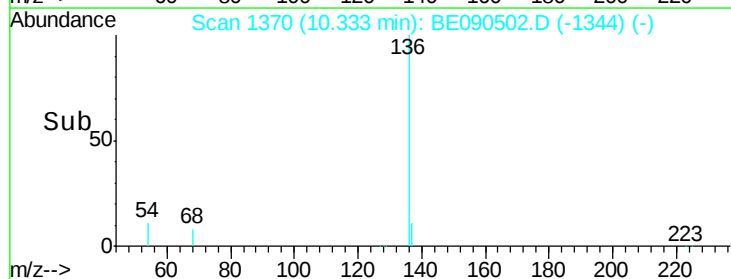
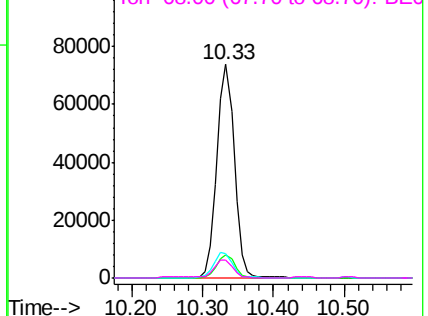
137 11.0 8.7 13.1

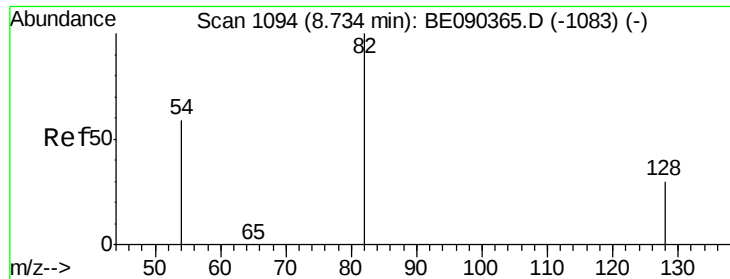
54 11.3 9.4 14.0

68 8.5 6.5 9.7



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: 0.55 ng

RT: 8.71 min Scan# 1090

Delta R.T. -0.02 min

Lab File: BE090502.D

Acq: 13 Aug 2015 16:24

Instrument :

BNA_E

ClientSampleId :

CSB-08DL

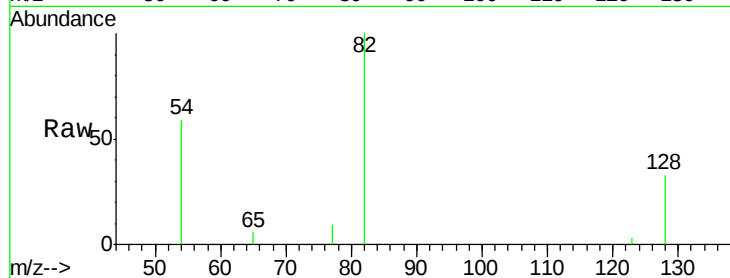
Tgt Ion: 82 Resp: 3685

Ion Ratio Lower Upper

82 100

128 33.2 25.0 37.6

54 59.1 48.8 73.2



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

8.71

2000

1500

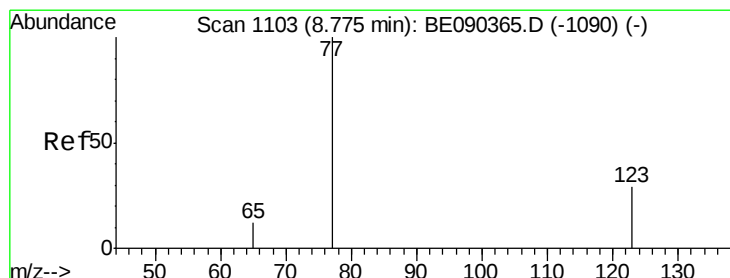
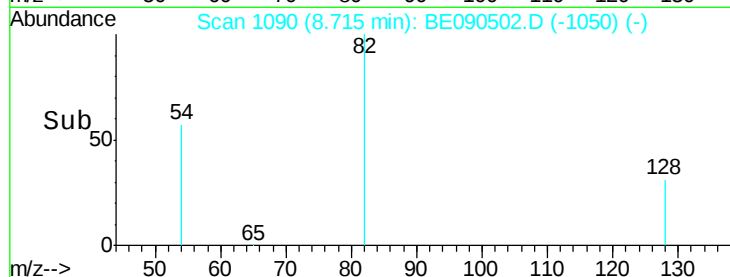
1000

500

0

8.65 8.70 8.75 8.80

Time-->



#8

Nitrobenzene

Concen: 0.22 ng

RT: 8.76 min Scan# 1100

Delta R.T. -0.01 min

Lab File: BE090502.D

Acq: 13 Aug 2015 16:24

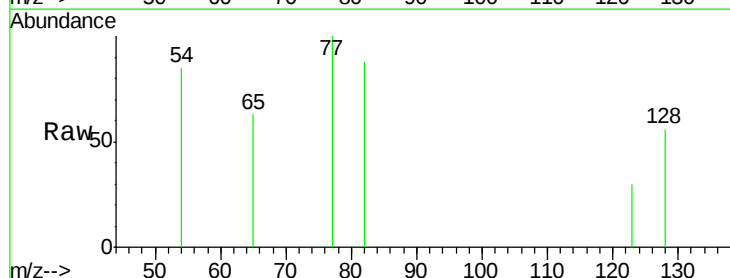
Tgt Ion: 77 Resp: 75

Ion Ratio Lower Upper

77 100

123 0.0 25.1 37.7#

65 108.0 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

8.76

400

300

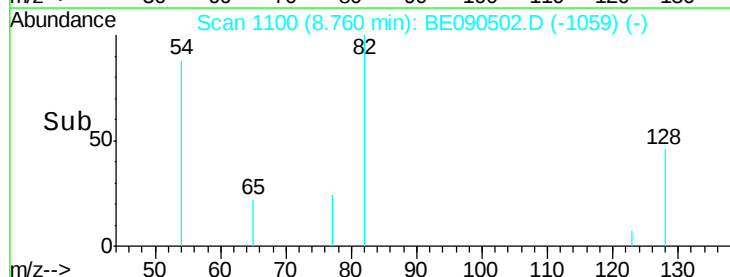
200

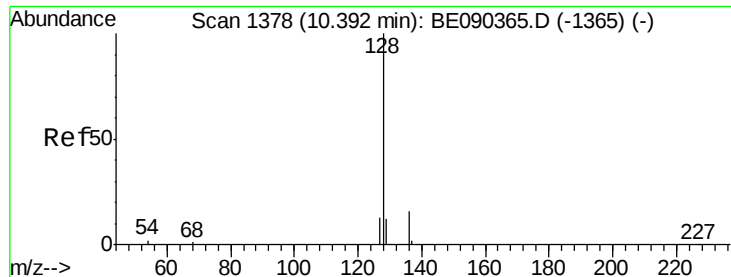
100

0

8.72 8.74 8.76 8.78

Time-->





#9

Naphthalene

Concen: 1.46 ng

RT: 10.38 min Scan# 1376

Delta R.T. -0.01 min

Lab File: BE090502.D

Acq: 13 Aug 2015 16:24

Instrument :

BNA_E

ClientSampleId :

CSB-08DL

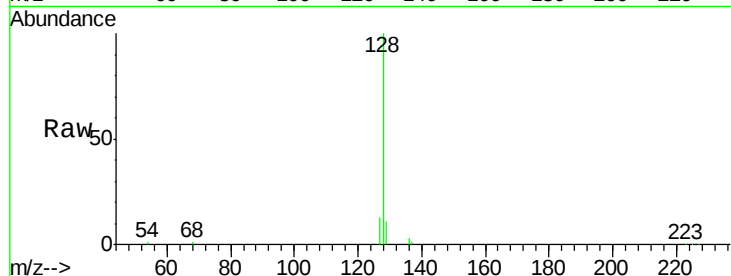
Tgt Ion:128 Resp: 40711

Ion Ratio Lower Upper

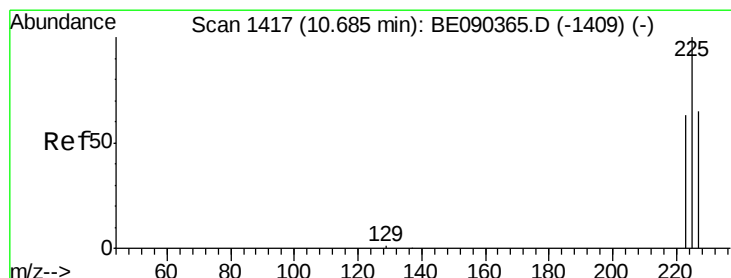
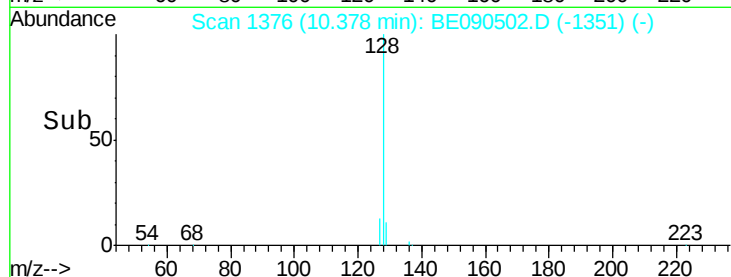
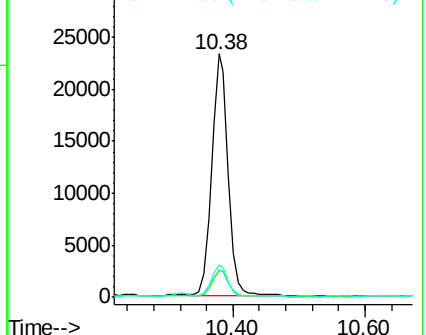
128 100

129 11.3 9.8 14.6

127 13.3 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: 10.65 min Scan# 1412

Delta R.T. -0.04 min

Lab File: BE090502.D

Acq: 13 Aug 2015 16:24

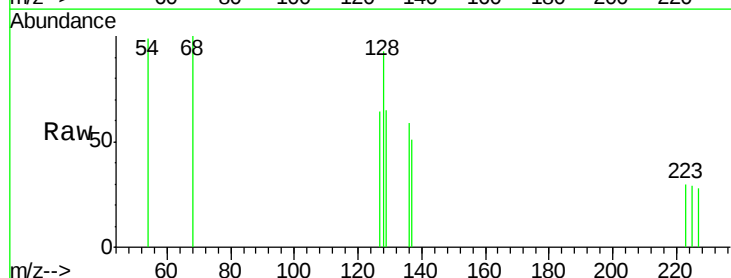
Tgt Ion:225 Resp: 3

Ion Ratio Lower Upper

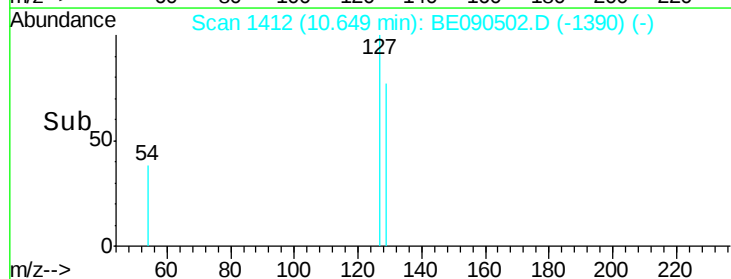
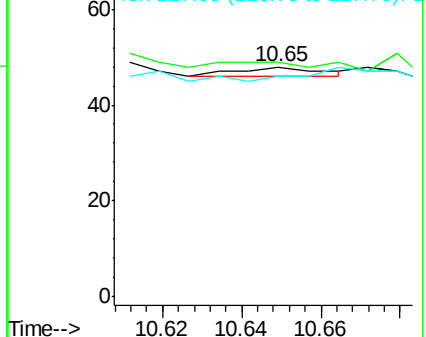
225 100

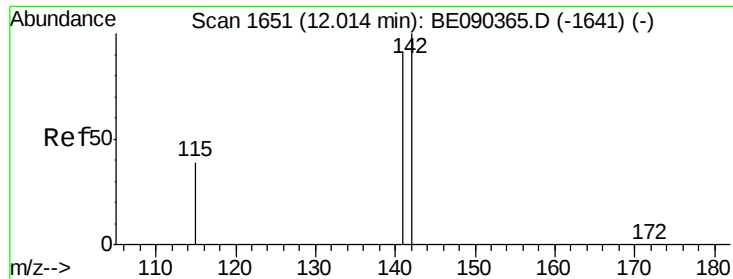
223 33.3 50.6 75.8#

227 0.0 50.7 76.1#



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

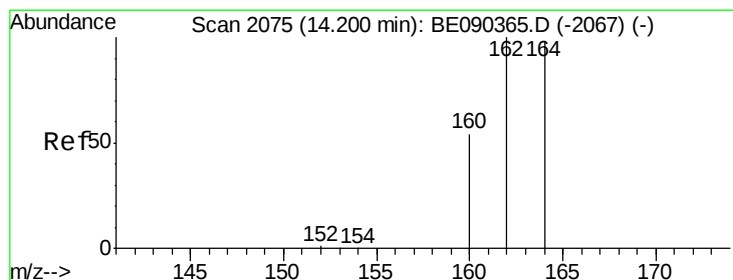
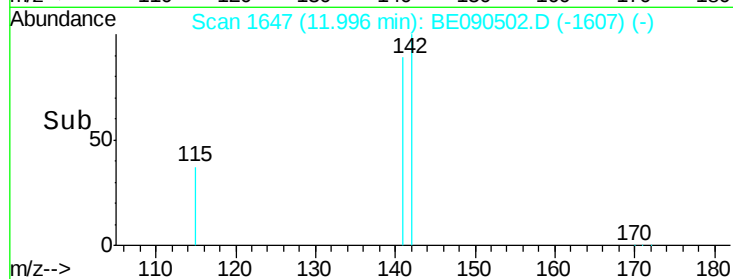
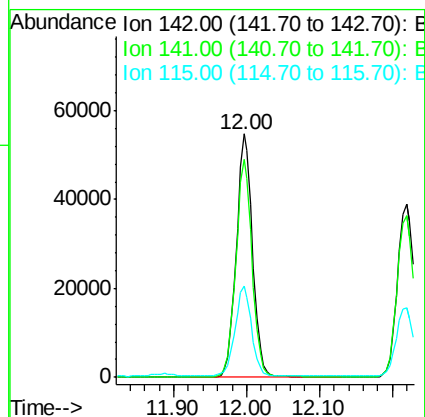
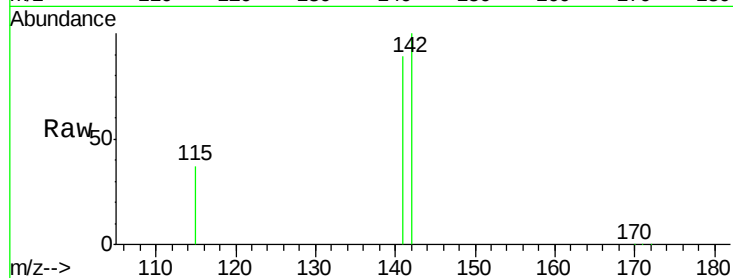




#11
2-Methylnaphthalene
Concen: 5.28 ng
RT: 12.00 min Scan# 1647
Delta R.T. -0.02 min
Lab File: BE090502.D
Acq: 13 Aug 2015 16:24

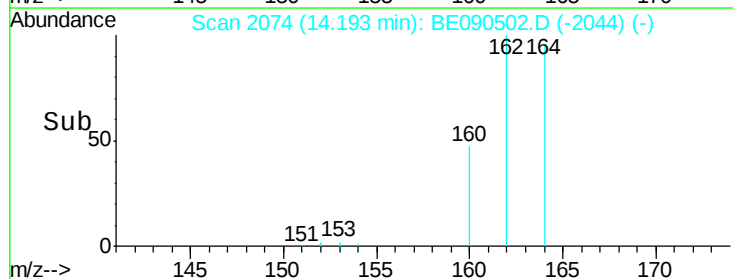
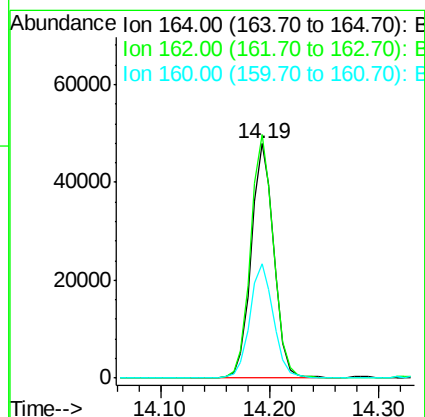
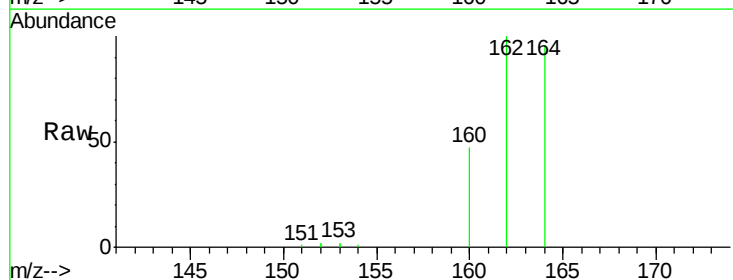
Instrument :
BNA_E
ClientSampleId :
CSB-08DL

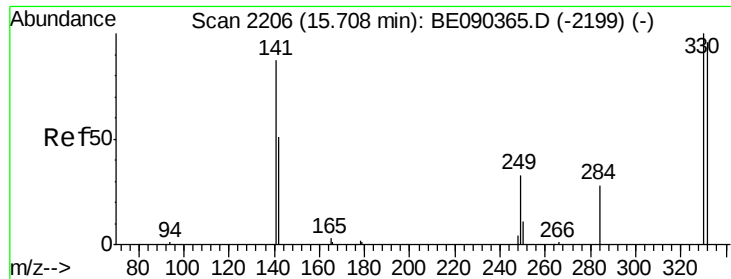
Tgt Ion:142 Resp: 85375
Ion Ratio Lower Upper
142 100
141 89.4 72.6 109.0
115 37.3 31.6 47.4



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.19 min Scan# 2074
Delta R.T. -0.01 min
Lab File: BE090502.D
Acq: 13 Aug 2015 16:24

Tgt Ion:164 Resp: 68721
Ion Ratio Lower Upper
164 100
162 104.0 81.8 122.8
160 48.8 44.2 66.4

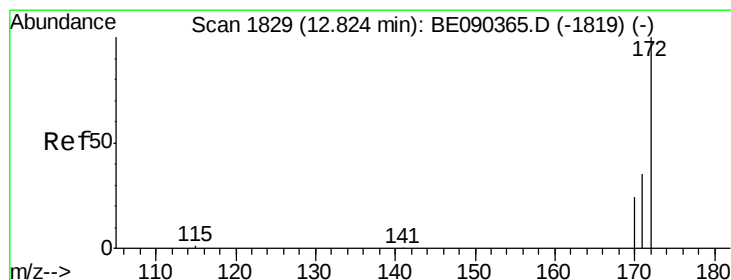
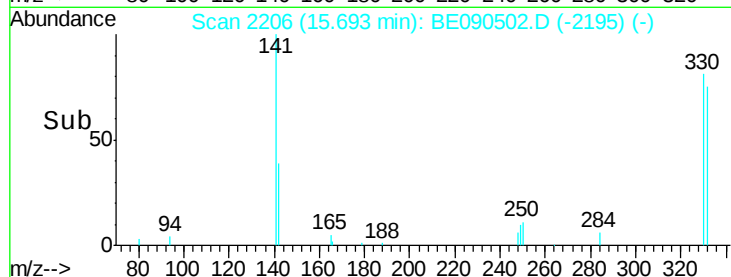
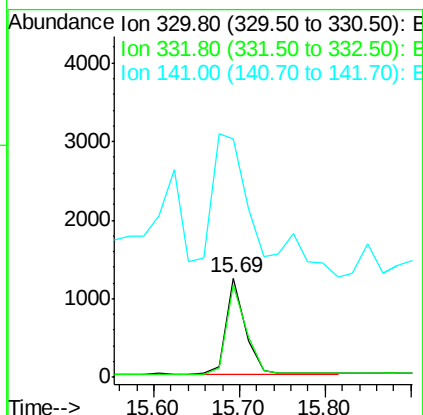
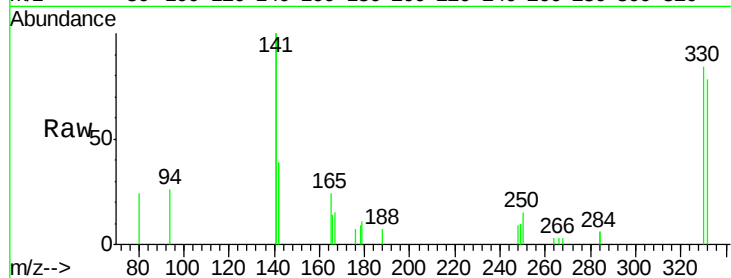




#13
 2,4,6-Tribromophenol
 Concen: 1.54 ng
 RT: 15.69 min Scan# 2206
 Delta R.T. -0.01 min
 Lab File: BE090502.D
 Acq: 13 Aug 2015 16:24

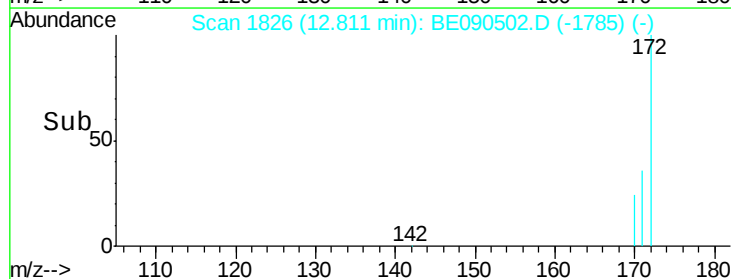
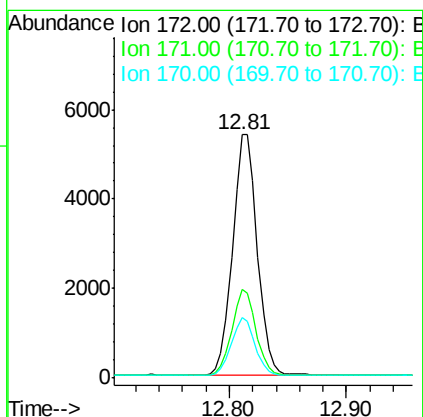
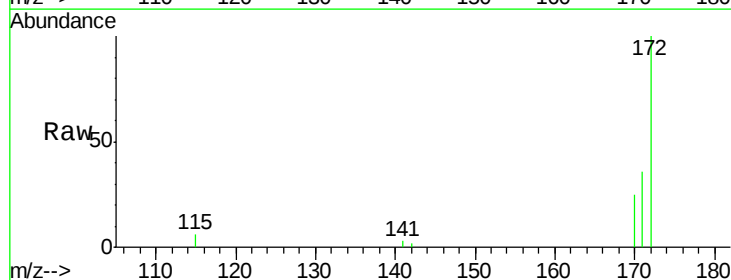
Instrument :
 BNA_E
 ClientSampleId :
 CSB-08DL

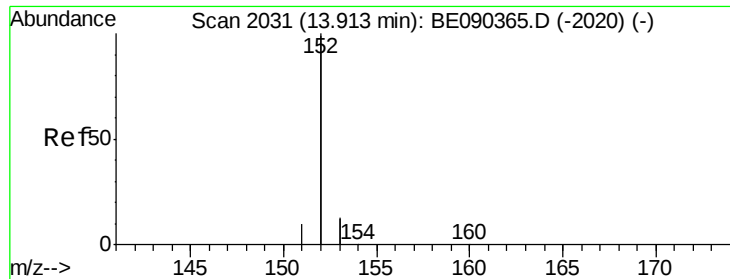
Tgt Ion: 330 Resp: 1909
 Ion Ratio Lower Upper
 330 100
 332 97.3 75.8 113.6
 141 224.2 114.4 171.6#



#14
 2-Fluorobiphenyl
 Concen: 0.42 ng
 RT: 12.81 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BE090502.D
 Acq: 13 Aug 2015 16:24

Tgt Ion: 172 Resp: 7911
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.5 42.7
 170 25.0 19.8 29.8





#15

Acenaphthylene

Concen: 0.06 ng

RT: 13.91 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BE090502.D

Acq: 13 Aug 2015 16:24

Instrument :

BNA_E

ClientSampleId :

CSB-08DL

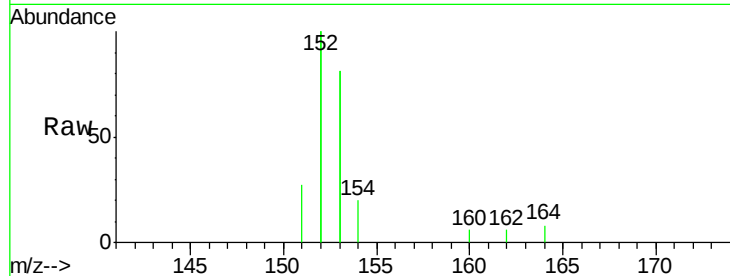
Tgt Ion:152 Resp: 7164

Ion Ratio Lower Upper

152 100

151 9.5 3.8 5.8#

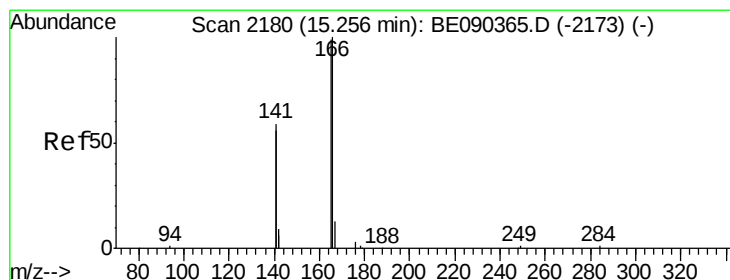
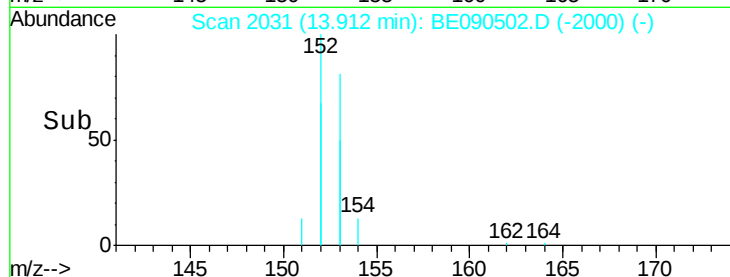
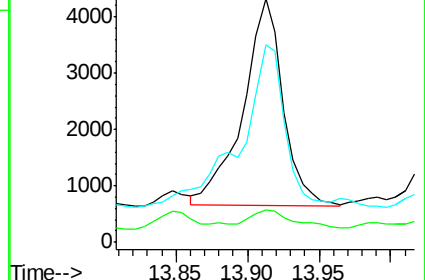
153 89.0 10.3 15.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#17

Fluorene

Concen: 0.03 ng

RT: 15.24 min Scan# 2180

Delta R.T. -0.02 min

Lab File: BE090502.D

Acq: 13 Aug 2015 16:24

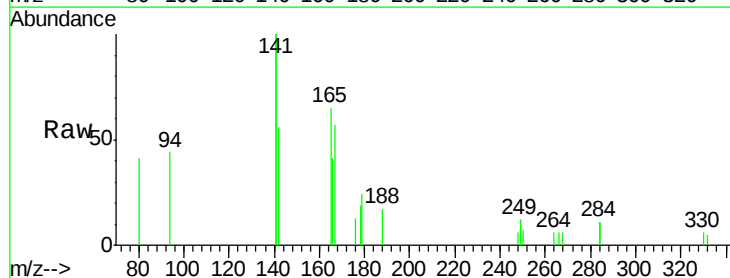
Tgt Ion:166 Resp: 749

Ion Ratio Lower Upper

166 100

165 69.0 81.5 122.3#

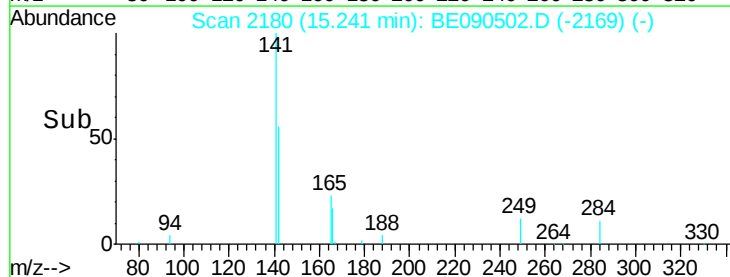
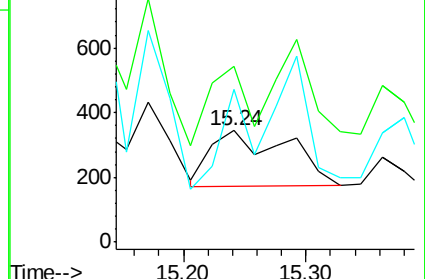
167 0.0 11.4 17.0#

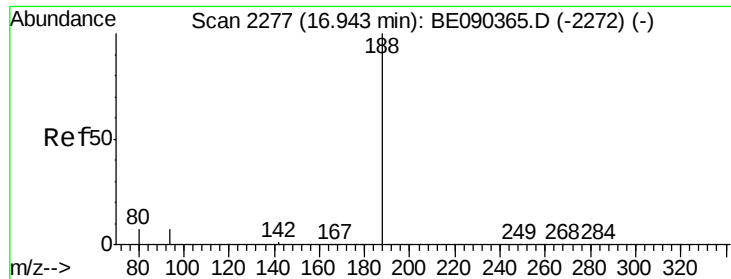


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.93 min Scan# 2277

Delta R.T. -0.02 min

Lab File: BE090502.D

Acq: 13 Aug 2015 16:24

Instrument :

BNA_E

ClientSampleId :

CSB-08DL

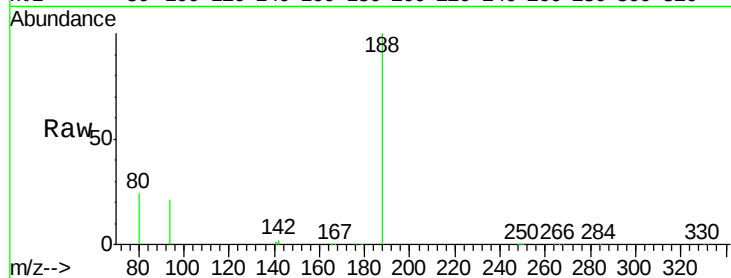
Tgt Ion:188 Resp: 148608

Ion Ratio Lower Upper

188 100

94 20.8 5.7 8.5#

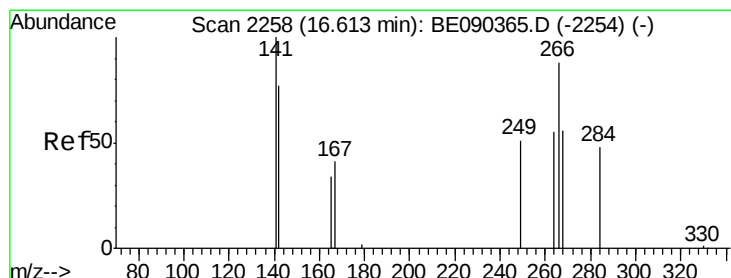
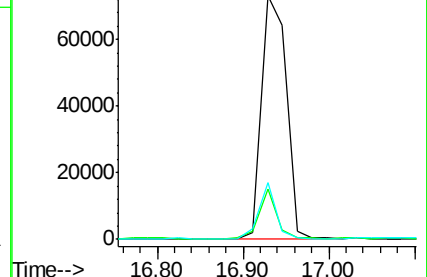
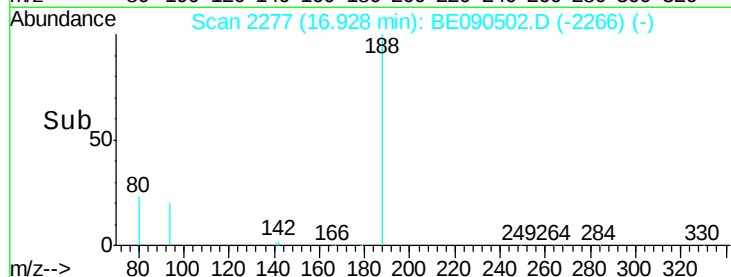
80 23.5 5.8 8.8#



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: 0.39 ng

RT: 16.60 min Scan# 2258

Delta R.T. -0.01 min

Lab File: BE090502.D

Acq: 13 Aug 2015 16:24

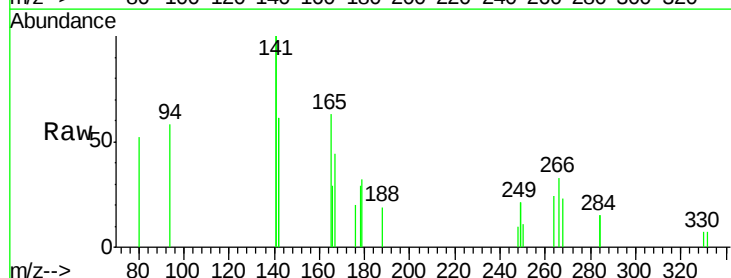
Tgt Ion:266 Resp: 285

Ion Ratio Lower Upper

266 100

268 69.4 58.5 87.7

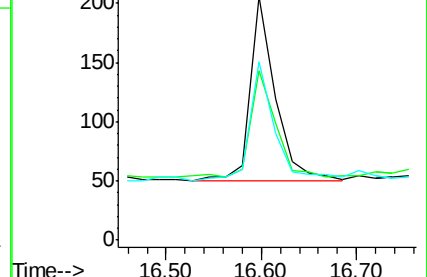
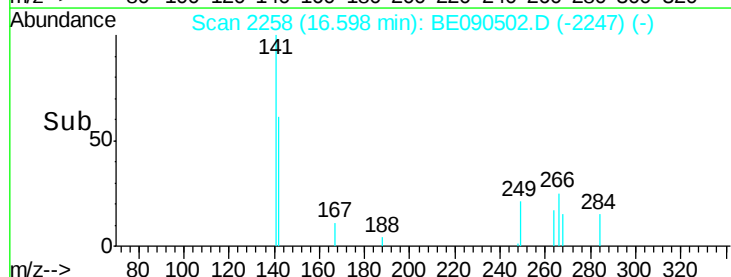
264 73.3 56.0 84.0

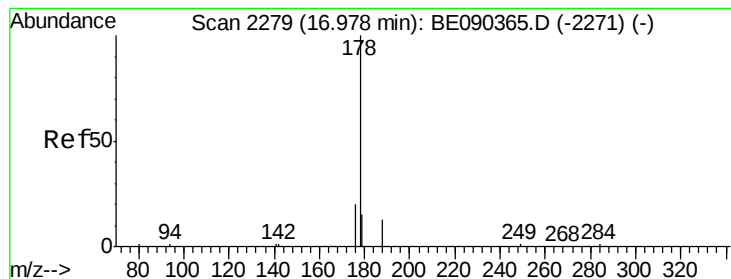


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 0.27 ng

RT: 16.98 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BE090502.D

Acq: 13 Aug 2015 16:24

Instrument :

BNA_E

ClientSampleId :

CSB-08DL

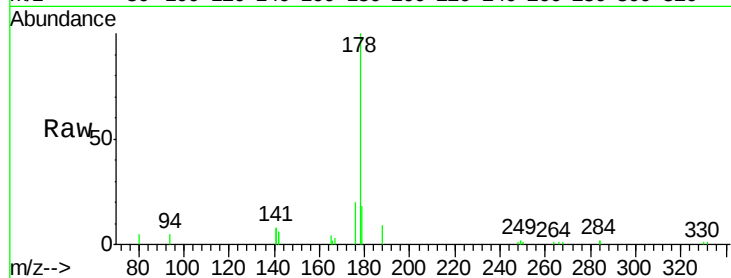
Tgt Ion:178 Resp: 9988

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

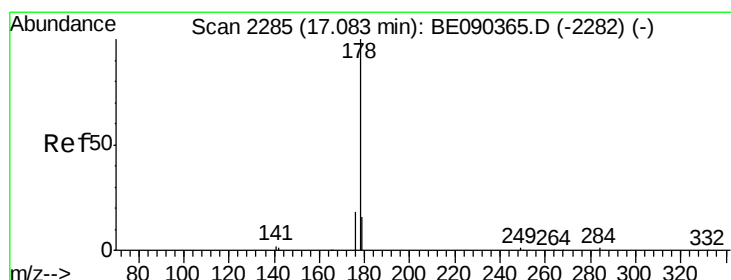
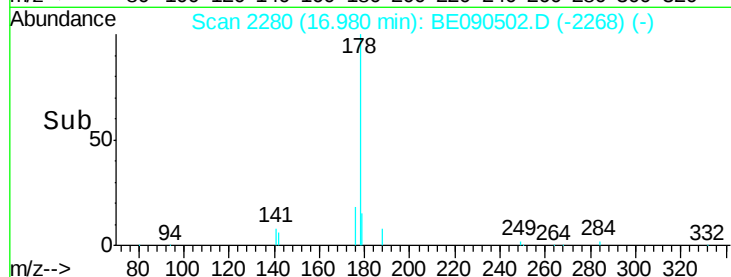
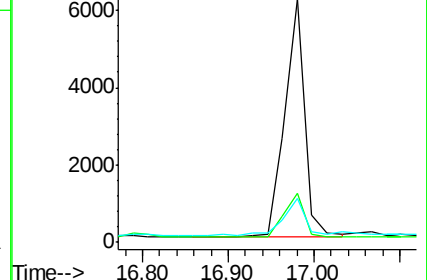
179 18.7 12.5 18.7



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



#23

Anthracene

Concen: 0.33 ng

RT: 16.98 min Scan# 2280

Delta R.T. -0.10 min

Lab File: BE090502.D

Acq: 13 Aug 2015 16:24

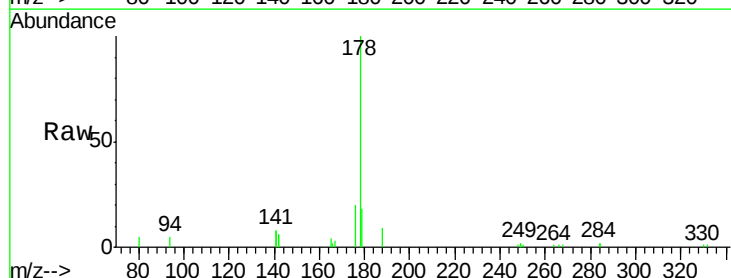
Tgt Ion:178 Resp: 9940

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

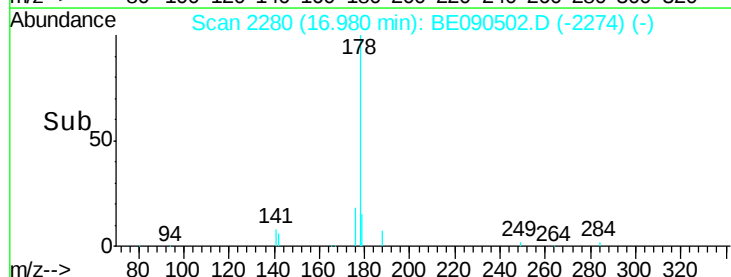
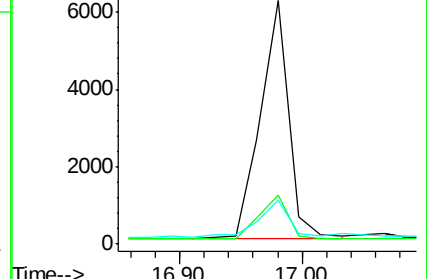
179 17.0 12.2 18.4

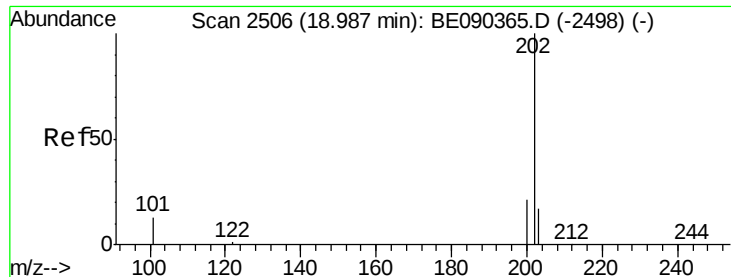


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

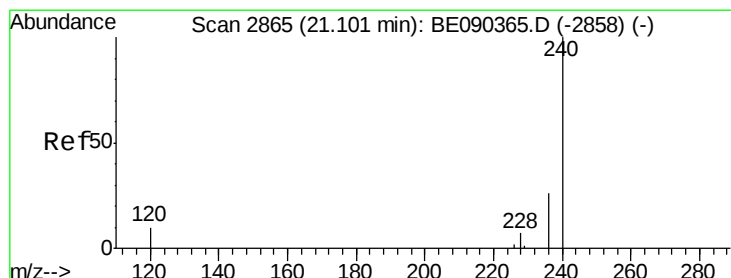
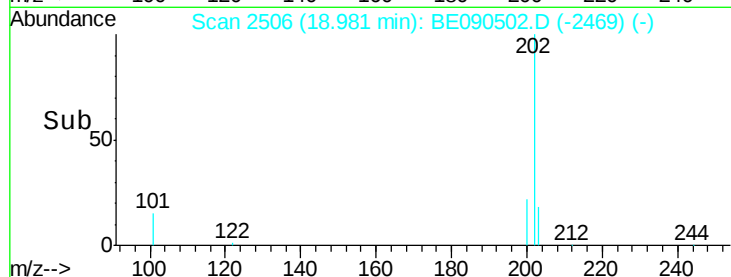
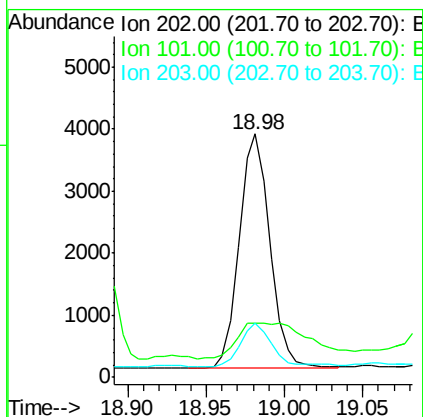
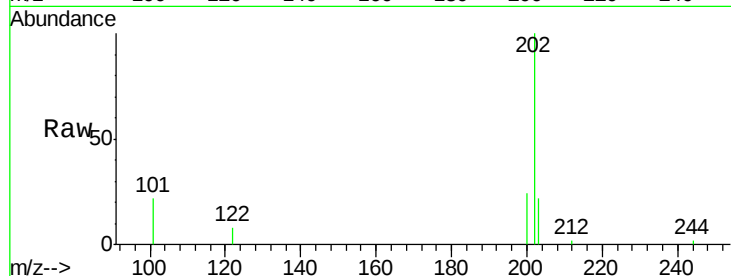




#24
 Fluoranthene
 Concen: 0.14 ng
 RT: 18.98 min Scan# 2506
 Delta R.T. -0.01 min
 Lab File: BE090502.D
 Acq: 13 Aug 2015 16:24

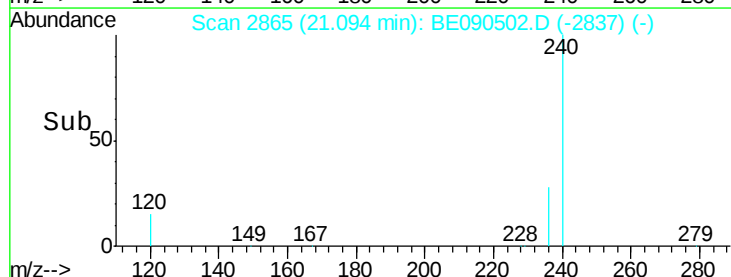
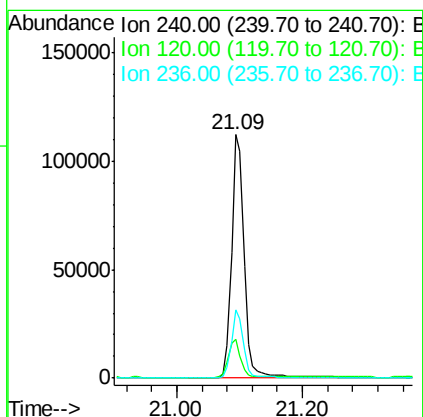
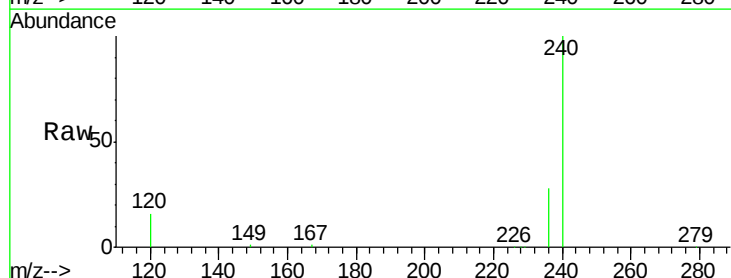
Instrument :
 BNA_E
 ClientSampleId :
 CSB-08DL

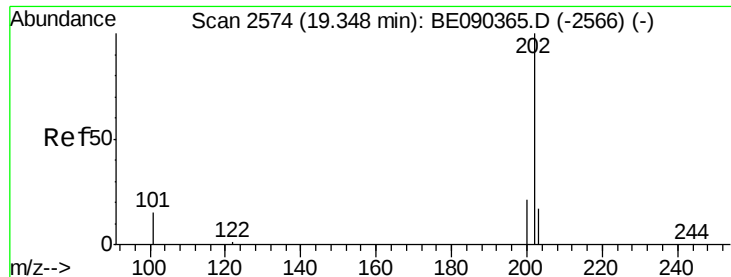
Tgt Ion:202 Resp: 5186
 Ion Ratio Lower Upper
 202 100
 101 35.8 10.3 15.5#
 203 18.8 13.7 20.5



#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.09 min Scan# 2865
 Delta R.T. -0.01 min
 Lab File: BE090502.D
 Acq: 13 Aug 2015 16:24

Tgt Ion:240 Resp: 155523
 Ion Ratio Lower Upper
 240 100
 120 15.9 8.3 12.5#
 236 28.0 21.0 31.4

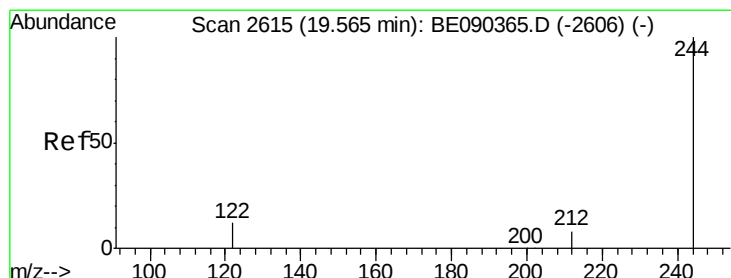
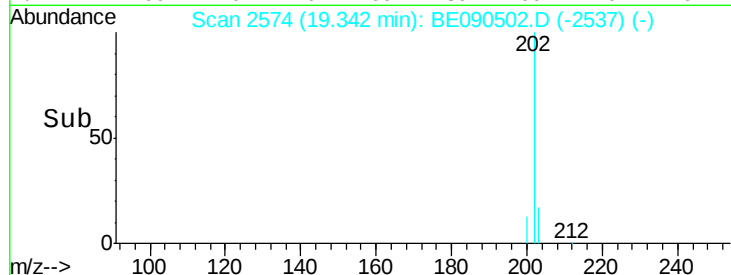
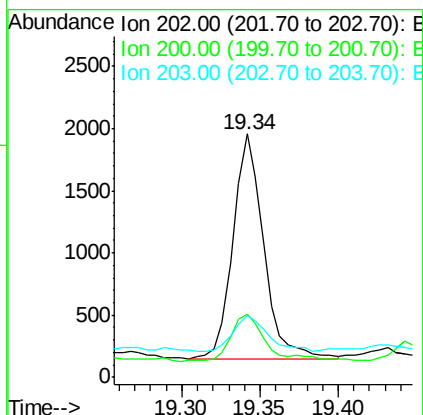
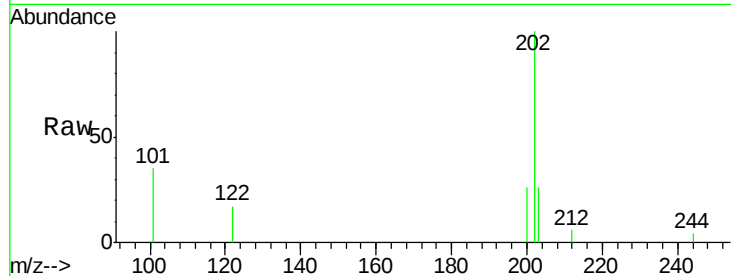




#26
 Pyrene
 Concen: 0.07 ng
 RT: 19.34 min Scan# 2574
 Delta R.T. -0.01 min
 Lab File: BE090502.D
 Acq: 13 Aug 2015 16:24

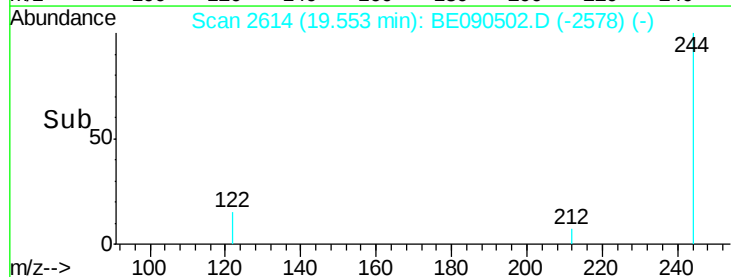
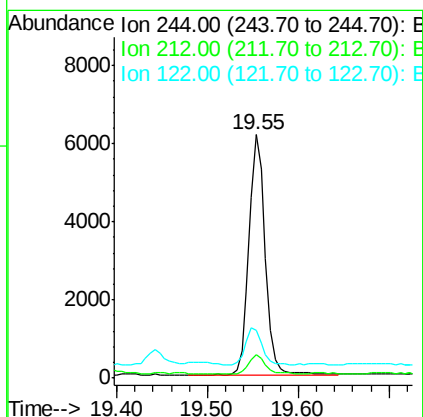
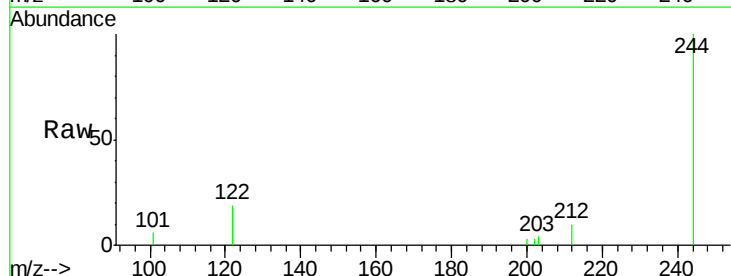
Instrument :
 BNA_E
 ClientSampleId :
 CSB-08DL

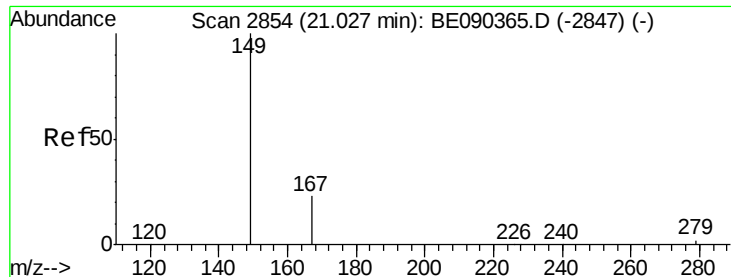
Tgt Ion:202 Resp: 2463
 Ion Ratio Lower Upper
 202 100
 200 24.7 16.7 25.1
 203 18.0 13.8 20.8



#27
 Terphenyl-d14
 Concen: 0.33 ng
 RT: 19.55 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BE090502.D
 Acq: 13 Aug 2015 16:24

Tgt Ion:244 Resp: 7635
 Ion Ratio Lower Upper
 244 100
 212 9.7 6.6 9.8
 122 19.5 10.2 15.4#

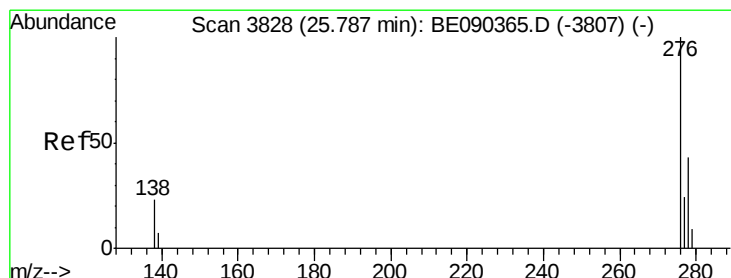
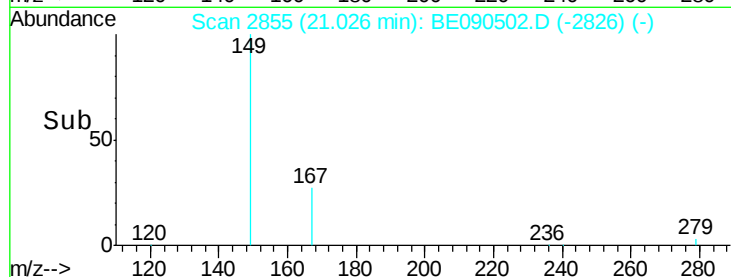
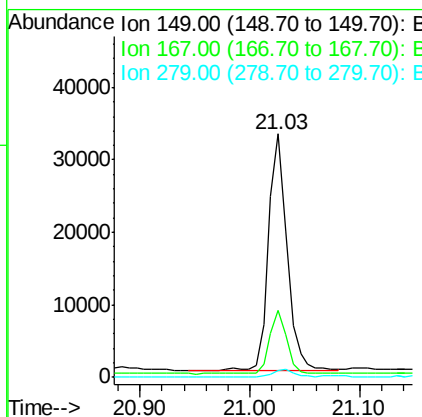
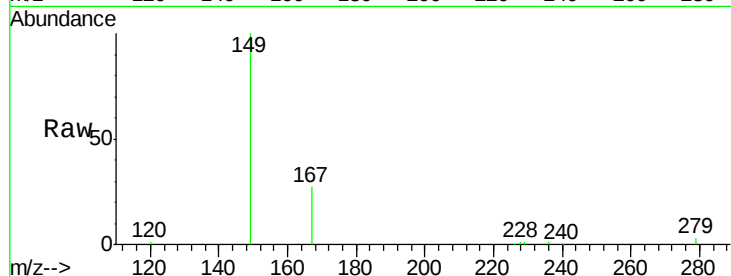




#30
 Bis(2-ethylhexyl)phthalate
 Concen: 3.54 ng
 RT: 21.03 min Scan# 2855
 Delta R.T. -0.00 min
 Lab File: BE090502.D
 Acq: 13 Aug 2015 16:24

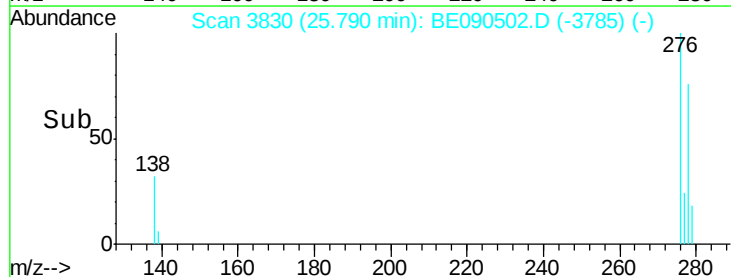
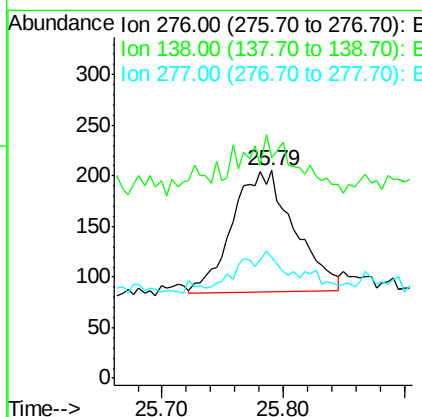
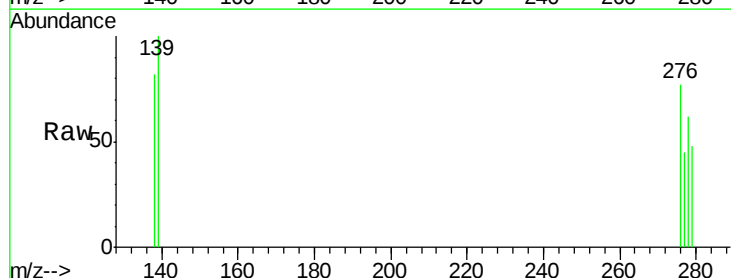
Instrument :
 BNA_E
 ClientSampleId :
 CSB-08DL

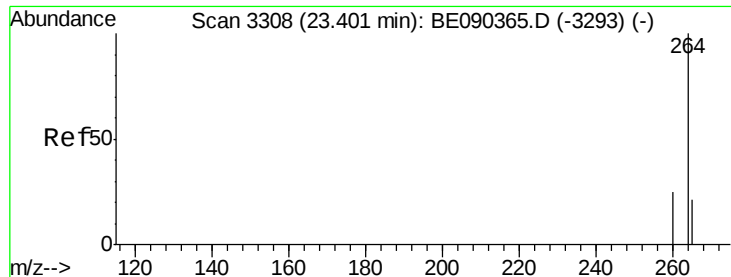
Tgt Ion:149 Resp: 38837
 Ion Ratio Lower Upper
 149 100
 167 24.8 19.8 29.8
 279 2.8 2.4 3.6



#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.26 ng
 RT: 25.79 min Scan# 3830
 Delta R.T. 0.00 min
 Lab File: BE090502.D
 Acq: 13 Aug 2015 16:24

Tgt Ion:276 Resp: 424
 Ion Ratio Lower Upper
 276 100
 138 0.0 18.8 28.2#
 277 6.6 18.2 27.4#





#32

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 3309

Delta R.T. -0.00 min

Lab File: BE090502.D

Acq: 13 Aug 2015 16:24

Instrument :

BNA_E

ClientSampleId :

CSB-08DL

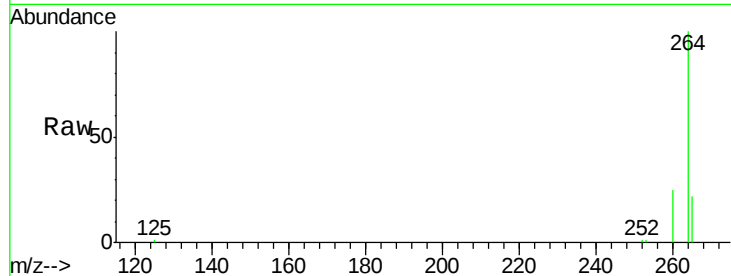
Tgt Ion:264 Resp: 143810

Ion Ratio Lower Upper

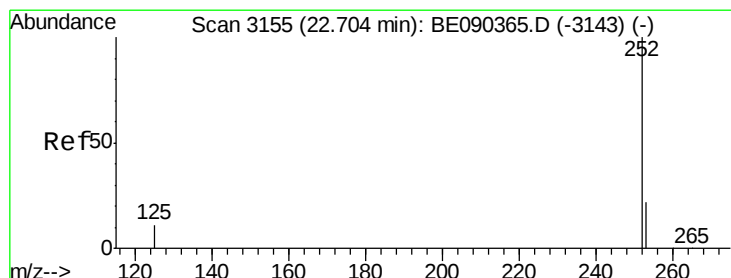
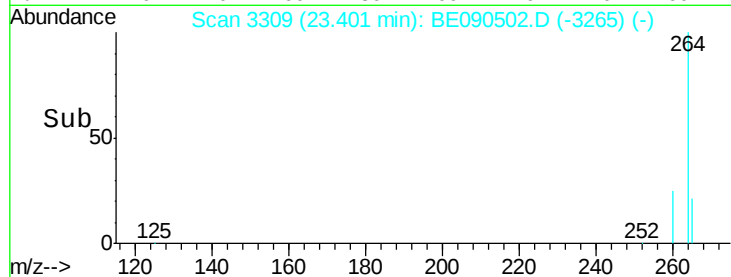
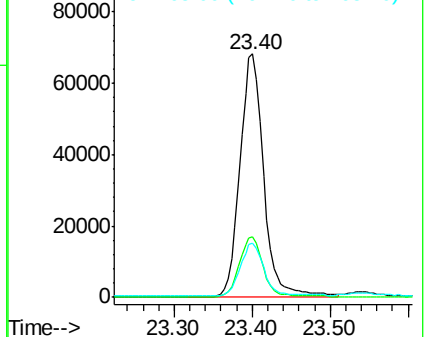
264 100

260 25.0 20.1 30.1

265 22.0 17.2 25.8



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



#33

Benzo(b)fluoranthene

Concen: 0.20 ng

RT: 22.69 min Scan# 3154

Delta R.T. -0.01 min

Lab File: BE090502.D

Acq: 13 Aug 2015 16:24

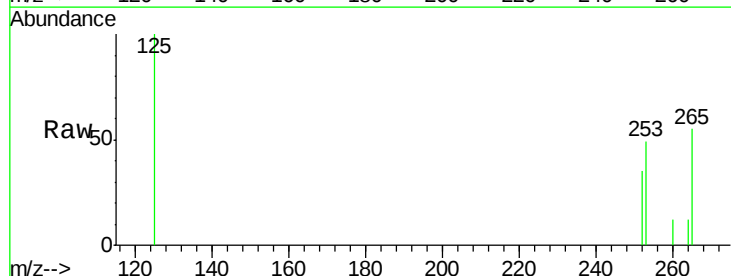
Tgt Ion:252 Resp: 227

Ion Ratio Lower Upper

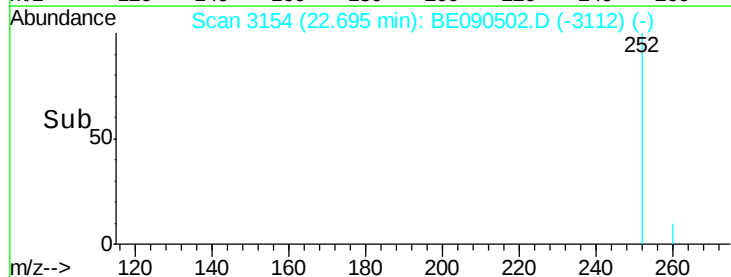
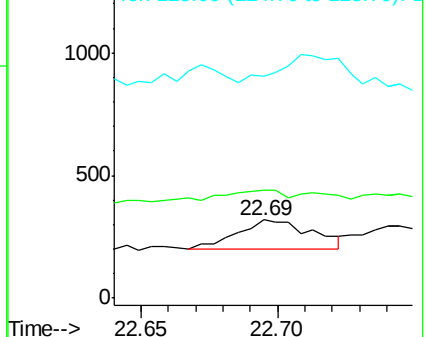
252 100

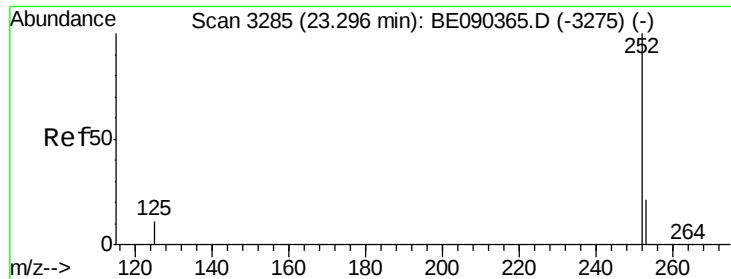
253 138.7 18.1 27.1#

125 284.6 9.4 14.2#



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





#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.30 min Scan# 3286

Delta R.T. -0.00 min

Lab File: BE090502.D

Acq: 13 Aug 2015 16:24

Instrument :

BNA_E

ClientSampleId :

CSB-08DL

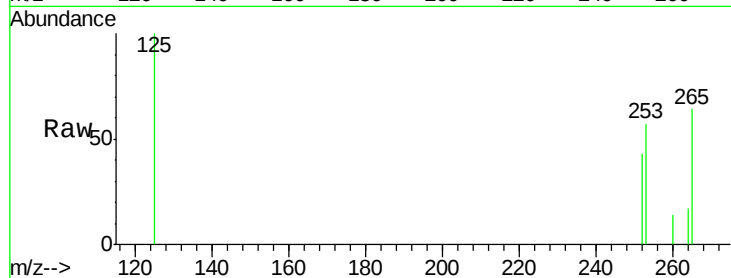
Tgt Ion:252 Resp: 221

Ion Ratio Lower Upper

252 100

253 133.1 17.6 26.4#

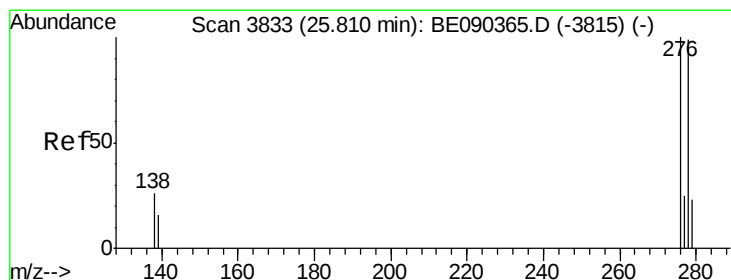
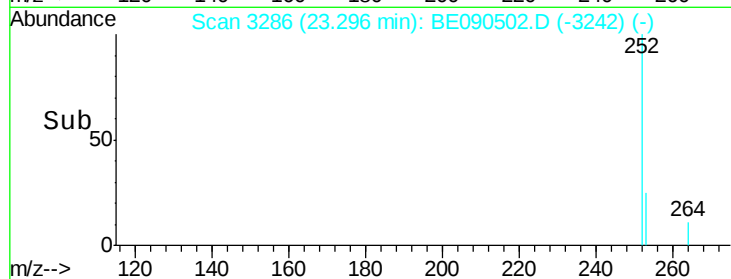
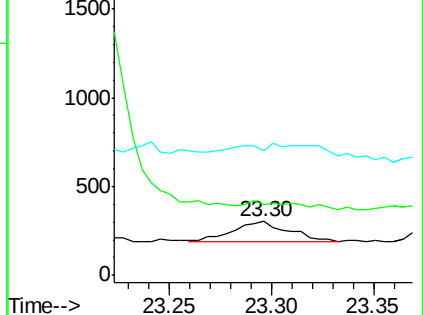
125 232.8 9.8 14.6#



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: 0.30 ng

RT: 25.79 min Scan# 3831

Delta R.T. -0.01 min

Lab File: BE090502.D

Acq: 13 Aug 2015 16:24

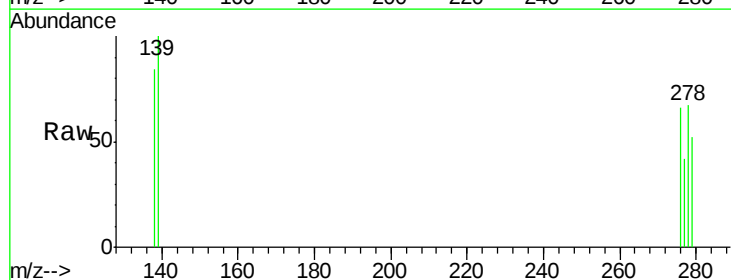
Tgt Ion:278 Resp: 376

Ion Ratio Lower Upper

278 100

139 149.2 14.2 21.4#

279 78.2 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

