

Data Path : S:\HPCHEM1\BNA_E\Data\BE062915\
 Data File : BE090010.D
 Acq On : 30 Jun 2015 9:30
 Operator : TP/IZ
 Sample : G2782-02DL 4X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0240006-150624DL

Quant Time: Jun 30 16:30:33 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 30 07:01:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	19947	5.00	ng	0.00
6) Naphthalene-d8	10.38	136	98502	5.00	ng	0.00
12) Acenaphthene-d10	14.24	164	62441	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	146311	5.00	ng	0.00
25) Chrysene-d12	21.14	240	162025	5.00	ng	0.00
32) Perylene-d12	23.46	264	166479	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	14023	3.06	ng	0.00
5) Phenol-d6	6.81	99	22758	3.55	ng	0.00
7) Nitrobenzene-d5	8.76	82	14778	1.89	ng	0.00
13) 2,4,6-Tribromophenol	15.74	330	7451	4.07	ng	0.02
14) 2-Fluorobiphenyl	12.86	172	33554	1.79	ng	0.00
27) Terphenyl-d14	19.59	244	51508	1.91	ng	0.00

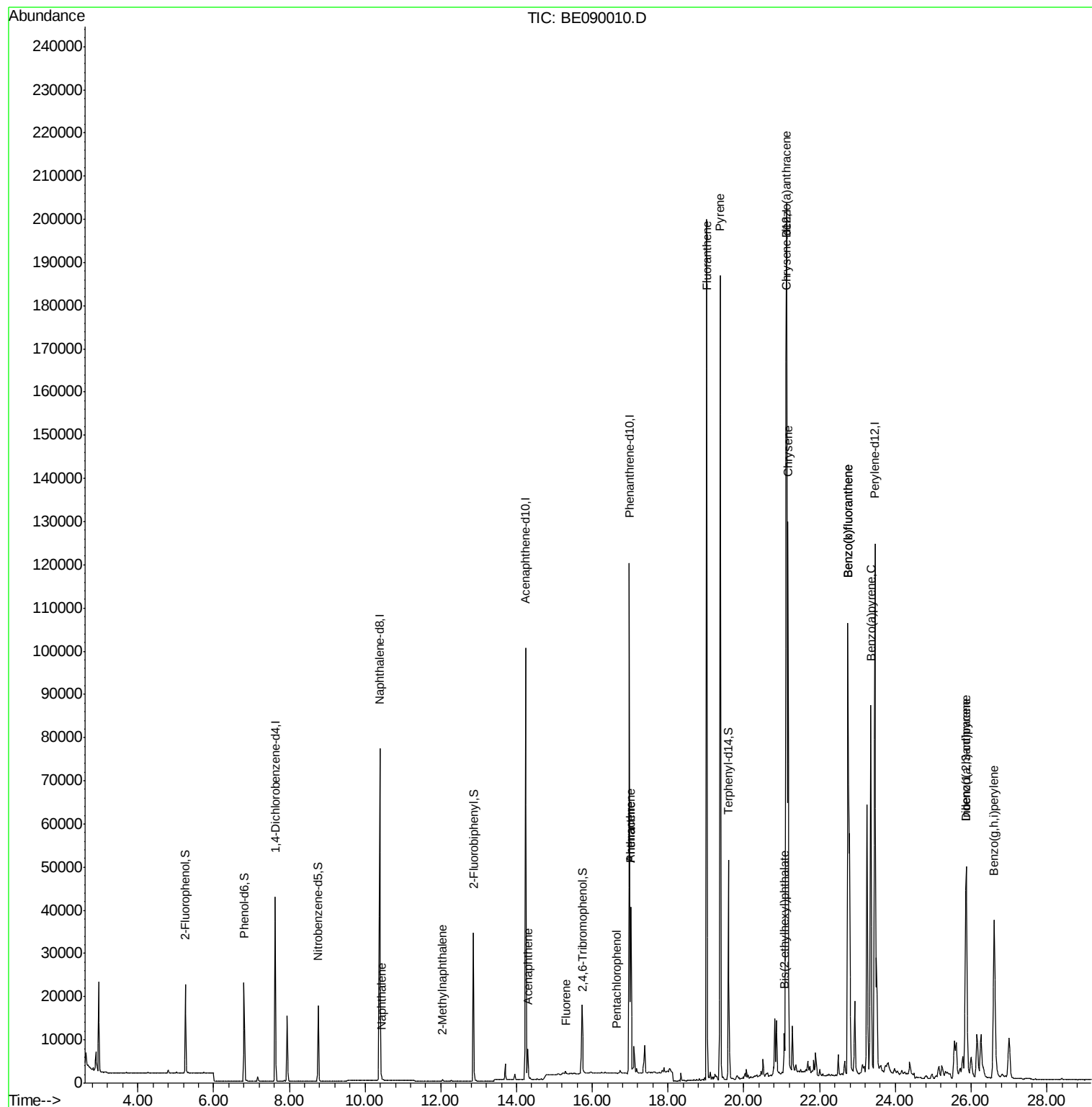
Target Compounds						Qvalue
9) Naphthalene	10.43	128	1470	0.07	ng	# 88
11) 2-Methylnaphthalene	12.05	142	310	0.02	ng	# 83
16) Acenaphthene	14.30	154	1242	0.08	ng	93
17) Fluorene	15.29	166	662	0.03	ng	# 81
21) Pentachlorophenol	16.65	266	23	0.26	ng	# 60
22) Phenanthrene	17.01	178	41662	1.11	ng	99
23) Anthracene	17.01	178	41640	1.21	ng	98
24) Fluoranthene	19.02	202	165937	3.96	ng	99
26) Pyrene	19.38	202	157930	4.09	ng	# 96
28) Benzo(a)anthracene	21.12	228	120475	2.98	ng	100
29) Chrysene	21.17	228	132056	3.14	ng	97
30) Bis(2-ethylhexyl)phthalate	21.06	149	7617	0.69	ng	99
31) Indeno(1,2,3-cd)pyrene	25.87	276	85465	2.12	ng	96
33) Benzo(b)fluoranthene	22.75	252	179632	4.89	ng	98
34) Benzo(k)fluoranthene	22.75	252	179632	4.38	ng	98
35) Benzo(a)pyrene	23.35	252	120345	3.55	ng	98
36) Dibenzo(a,h)anthracene	25.88	278	21883	0.63	ng	95
37) Benzo(g,h,i)perylene	26.61	276	85985	2.44	ng	99

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

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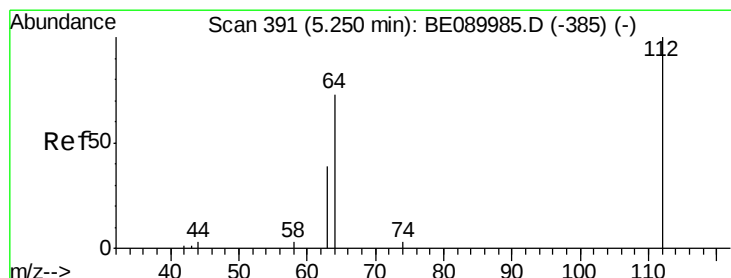
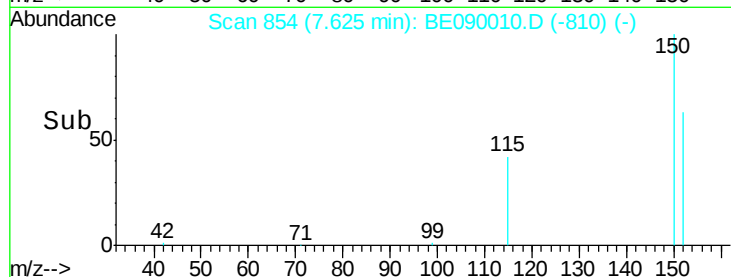
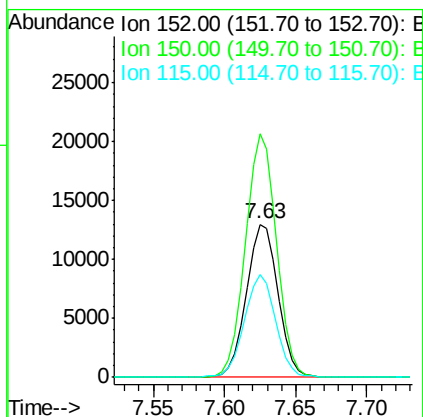
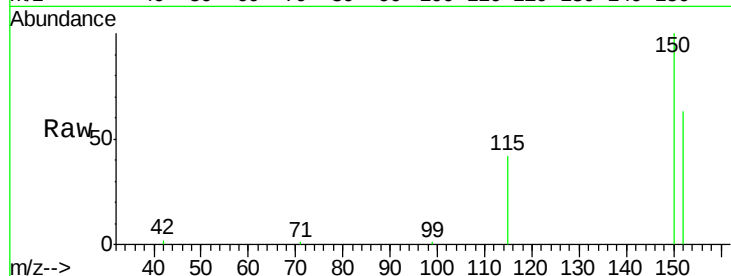


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.63 min Scan# 854
Delta R.T. 0.00 min
Lab File: BE090010.D
Acq: 30 Jun 2015 9:30

Instrument :
BNA_E
ClientSampleId :
X3SS0240006-150624DL

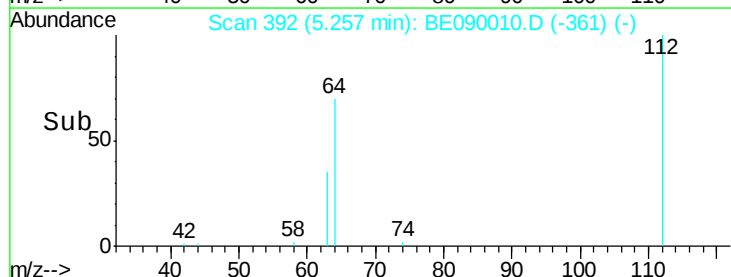
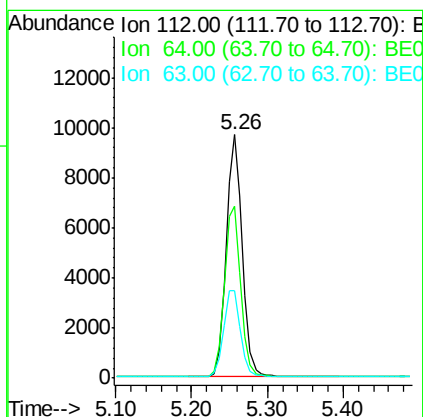
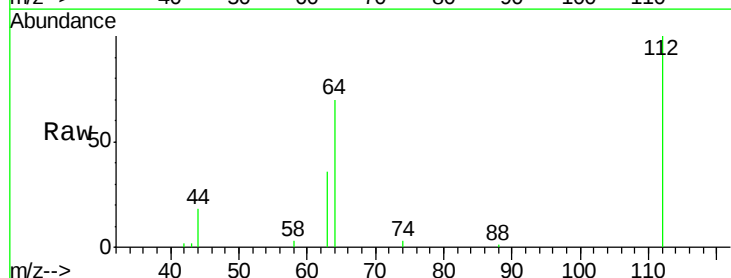
Tgt Ion:152 Resp: 19947
Ion Ratio Lower Upper
152 100
150 158.9 123.9 185.9
115 66.8 50.6 76.0

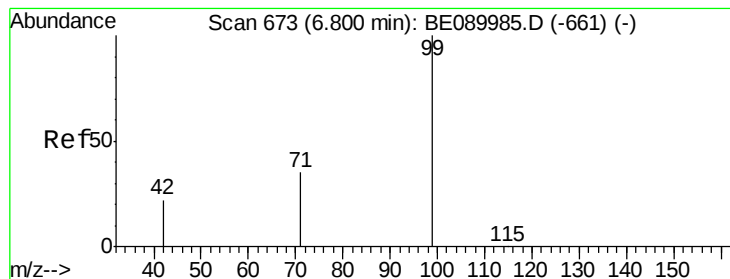


#4

2-Fluorophenol
Concen: 3.06 ng
RT: 5.26 min Scan# 392
Delta R.T. 0.01 min
Lab File: BE090010.D
Acq: 30 Jun 2015 9:30

Tgt Ion:112 Resp: 14023
Ion Ratio Lower Upper
112 100
64 72.3 56.3 84.5
63 37.3 29.8 44.6





#5

Phenol-d6

Concen: 3.55 ng

RT: 6.81 min Scan# 675

Delta R.T. 0.01 min

Lab File: BE090010.D

Acq: 30 Jun 2015 9:30

Instrument :

BNA_E

ClientSampleId :

X3SS0240006-150624DL

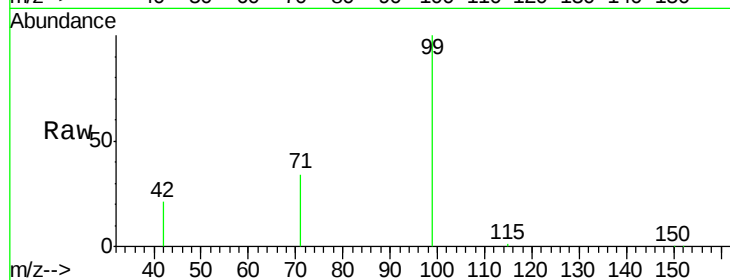
Tgt Ion: 99 Resp: 22758

Ion Ratio Lower Upper

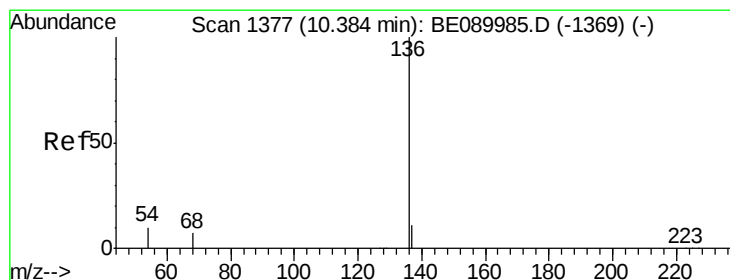
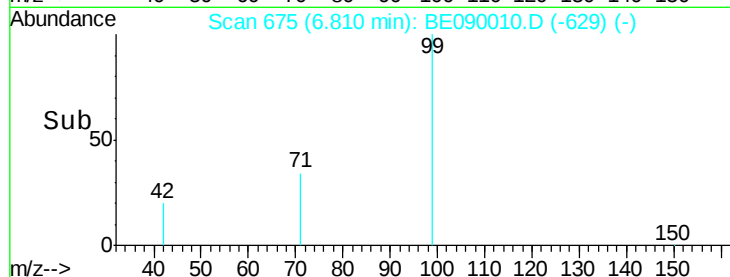
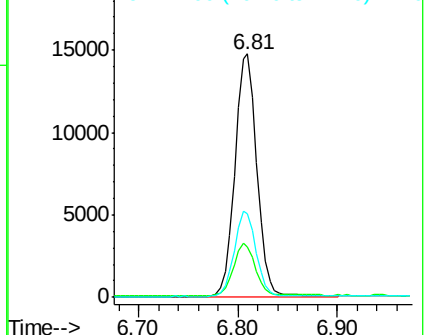
99 100

42 21.0 18.7 28.1

71 34.9 27.5 41.3



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: 10.38 min Scan# 1377

Delta R.T. 0.00 min

Lab File: BE090010.D

Acq: 30 Jun 2015 9:30

Tgt Ion: 136 Resp: 98502

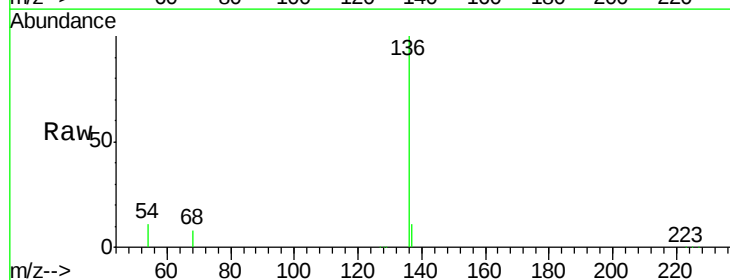
Ion Ratio Lower Upper

136 100

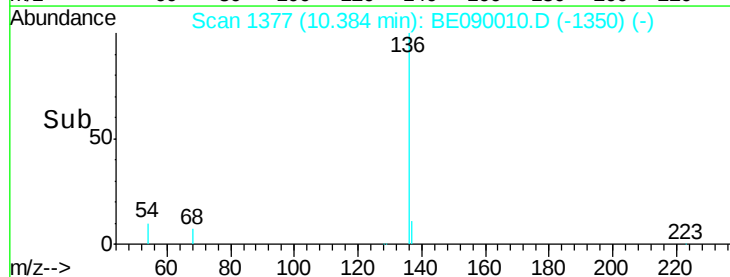
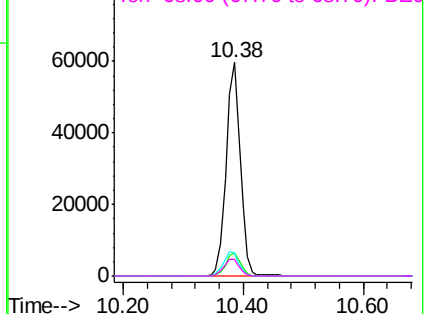
137 11.0 8.9 13.3

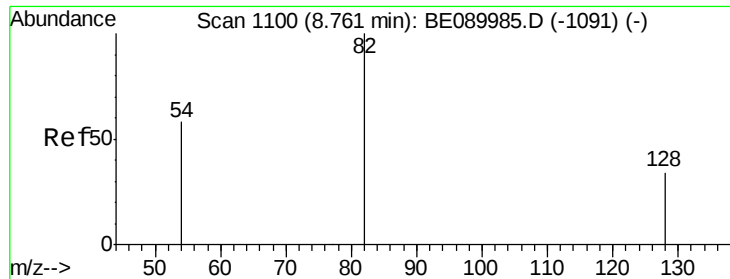
54 10.5 8.2 12.4

68 7.6 5.8 8.8



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: 1.89 ng

RT: 8.76 min Scan# 1100

Delta R.T. -0.00 min

Lab File: BE090010.D

Acq: 30 Jun 2015 9:30

Instrument :

BNA_E

ClientSampleId :

X3SS0240006-150624DL

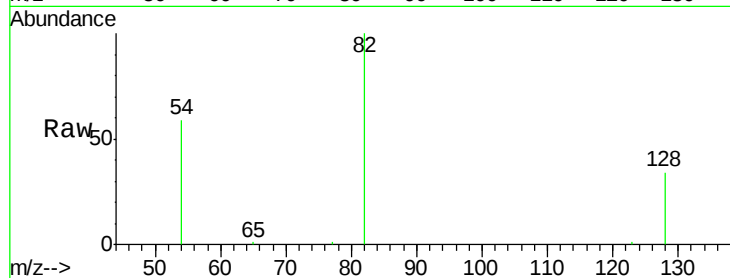
Tgt Ion: 82 Resp: 14778

Ion Ratio Lower Upper

82 100

128 34.3 28.0 42.0

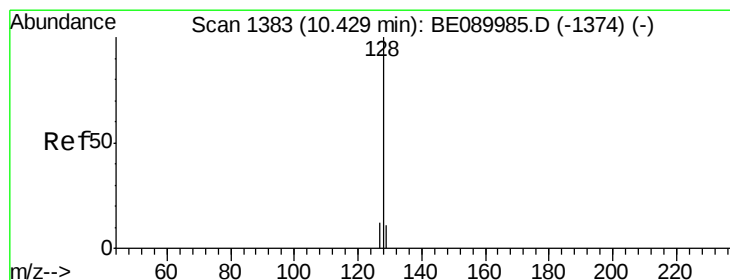
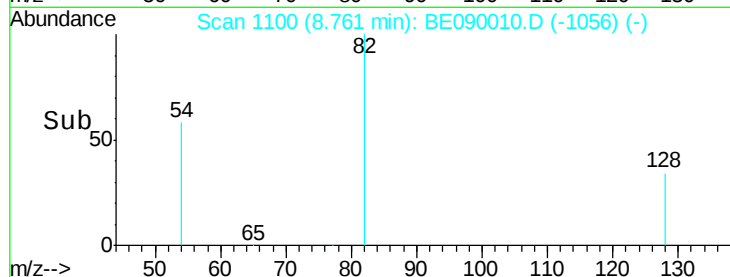
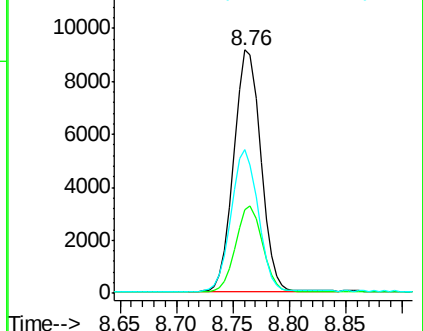
54 58.8 47.6 71.4



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



#9

Naphthalene

Concen: 0.07 ng

RT: 10.43 min Scan# 1383

Delta R.T. 0.00 min

Lab File: BE090010.D

Acq: 30 Jun 2015 9:30

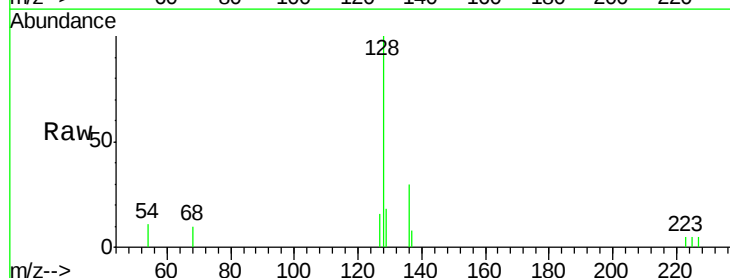
Tgt Ion: 128 Resp: 1470

Ion Ratio Lower Upper

128 100

129 17.6 9.3 13.9#

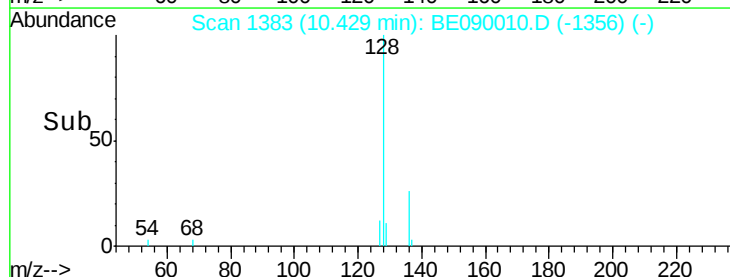
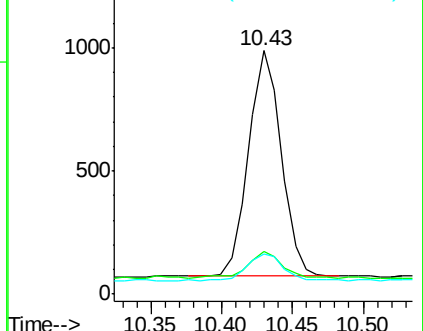
127 16.3 10.2 15.4#

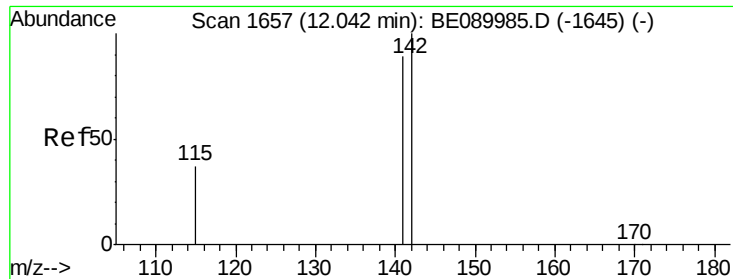


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

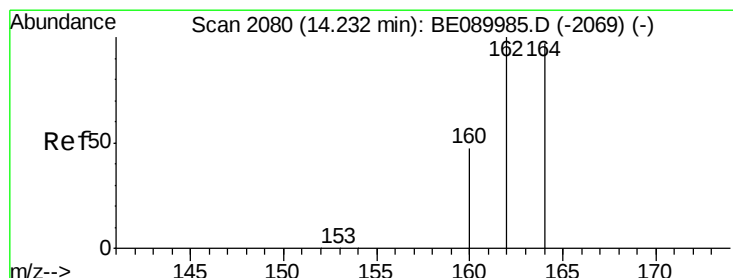
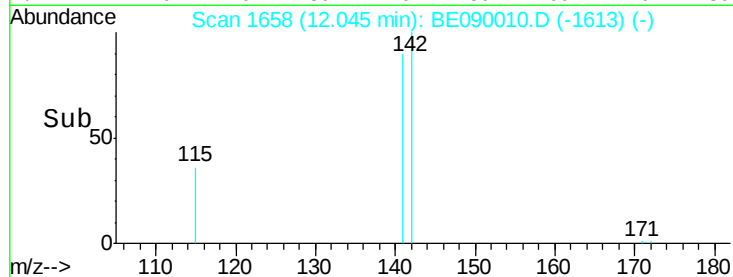
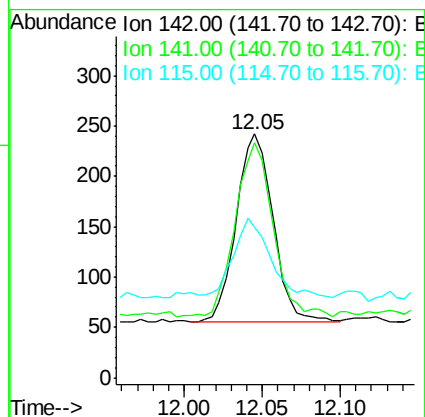
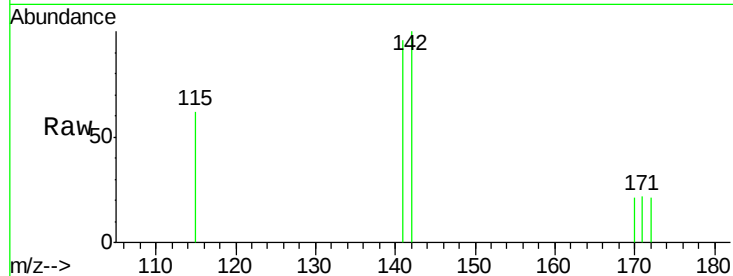




#11
2-Methylnaphthalene
Concen: 0.02 ng
RT: 12.05 min Scan# 1658
Delta R.T. 0.00 min
Lab File: BE090010.D
Acq: 30 Jun 2015 9:30

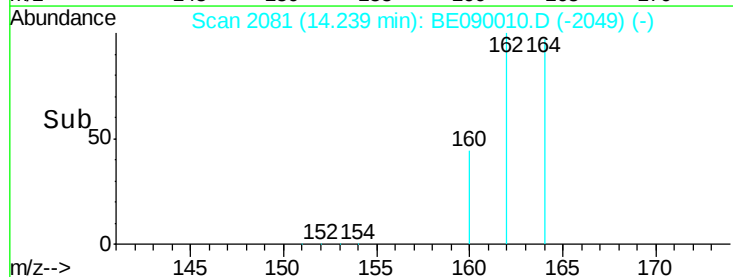
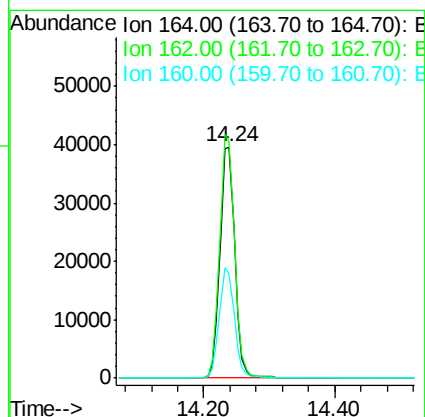
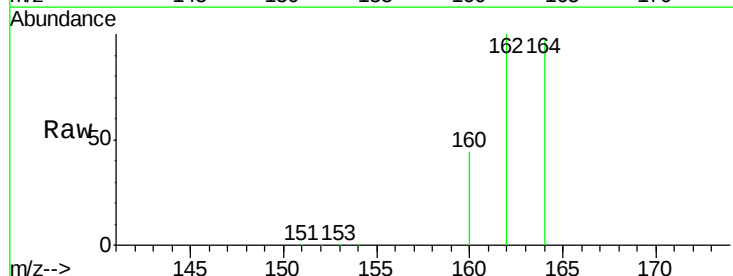
Instrument :
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X3SS0240006-150624DL

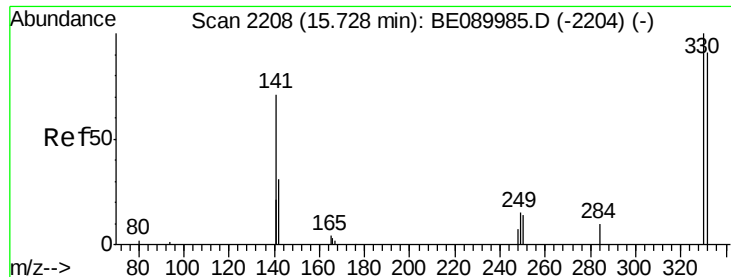
Tgt Ion:142 Resp: 310
Ion Ratio Lower Upper
142 100
141 96.3 71.3 106.9
115 62.0 30.4 45.6#



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.24 min Scan# 2081
Delta R.T. 0.01 min
Lab File: BE090010.D
Acq: 30 Jun 2015 9:30

Tgt Ion:164 Resp: 62441
Ion Ratio Lower Upper
164 100
162 102.9 82.2 123.4
160 45.0 39.0 58.6

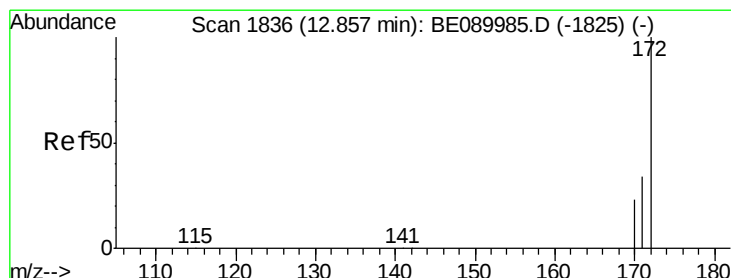
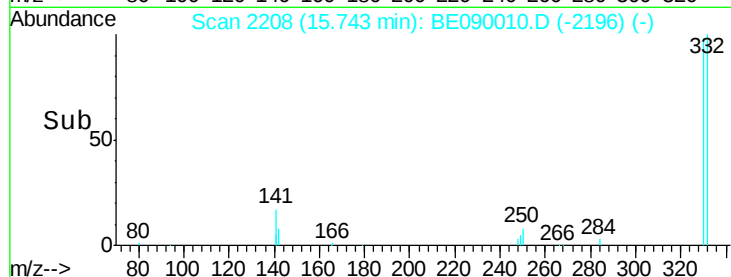
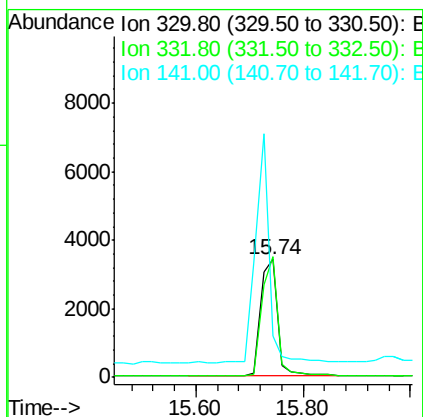
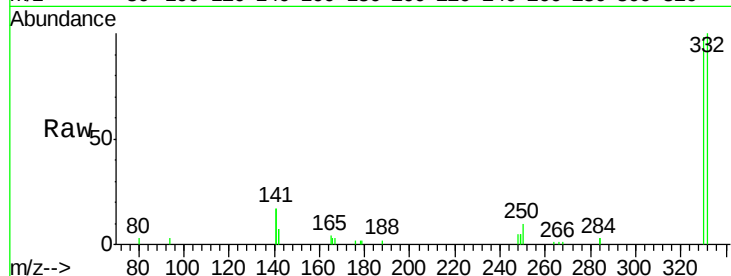




#13
 2,4,6-Tribromophenol
 Concen: 4.07 ng
 RT: 15.74 min Scan# 2208
 Delta R.T. 0.02 min
 Lab File: BE090010.D
 Acq: 30 Jun 2015 9:30

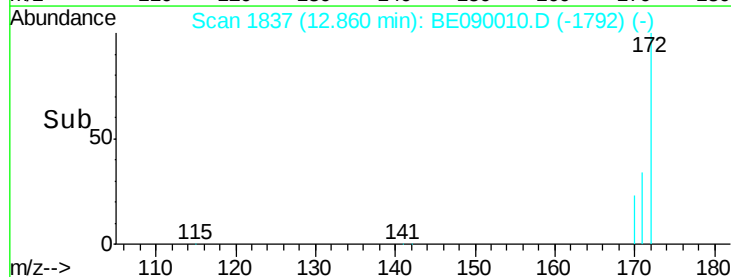
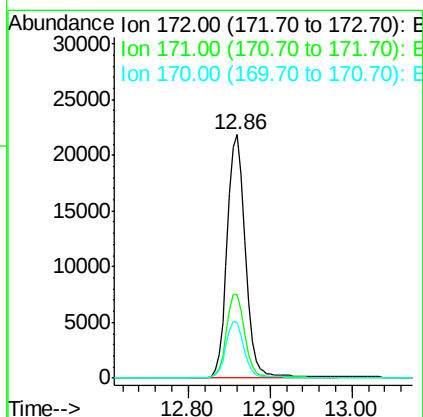
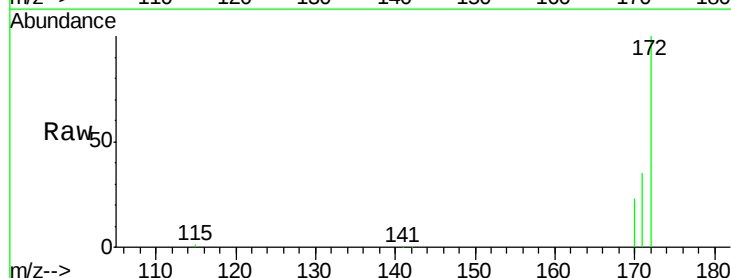
Instrument :
 BNA_E
 ClientSampleId :
 X3SS0240006-150624DL

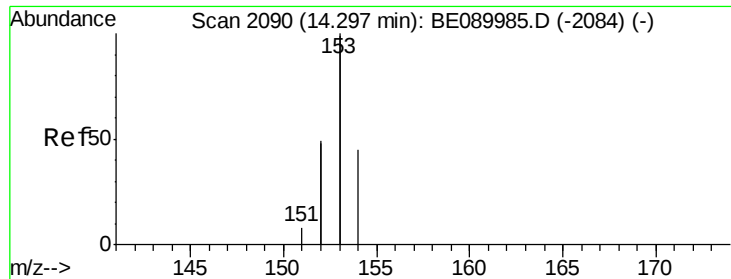
Tgt Ion: 330 Resp: 7451
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.4 114.6
 141 158.3 130.3 195.5



#14
 2-Fluorobiphenyl
 Concen: 1.79 ng
 RT: 12.86 min Scan# 1837
 Delta R.T. 0.00 min
 Lab File: BE090010.D
 Acq: 30 Jun 2015 9:30

Tgt Ion: 172 Resp: 33554
 Ion Ratio Lower Upper
 172 100
 171 34.5 27.8 41.6
 170 22.9 18.3 27.5





#16

Acenaphthene

Concen: 0.08 ng

RT: 14.30 min Scan# 2090

Delta R.T. 0.00 min

Lab File: BE090010.D

Acq: 30 Jun 2015 9:30

Instrument :

BNA_E

ClientSampleId :

X3SS0240006-150624DL

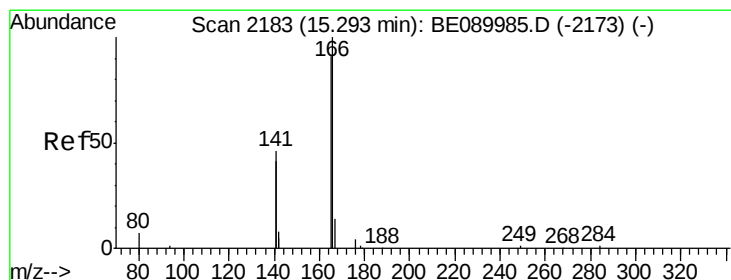
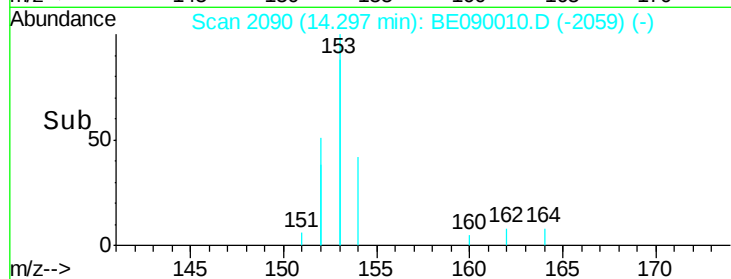
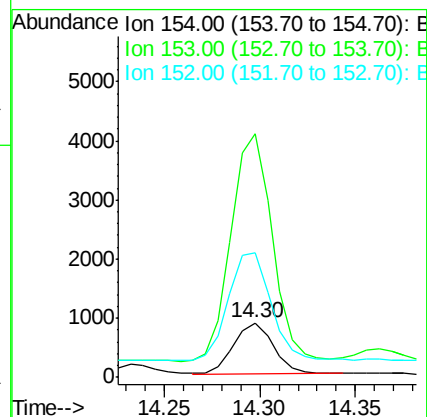
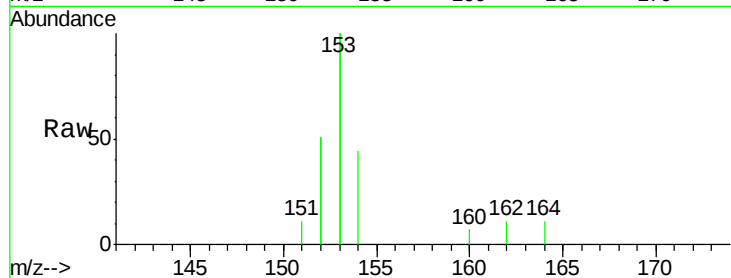
Tgt Ion:154 Resp: 1242

Ion Ratio Lower Upper

154 100

153 468.4 358.6 538.0

152 227.5 189.6 284.4



#17

Fluorene

Concen: 0.03 ng

RT: 15.29 min Scan# 2182

Delta R.T. -0.00 min

Lab File: BE090010.D

Acq: 30 Jun 2015 9:30

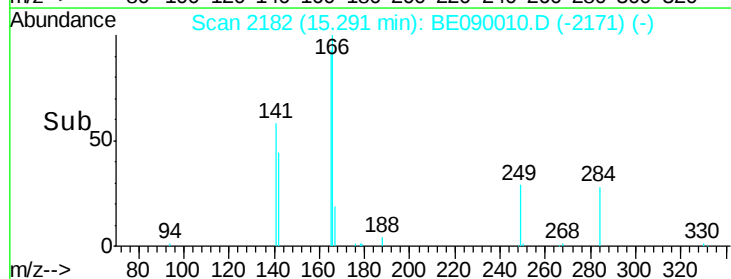
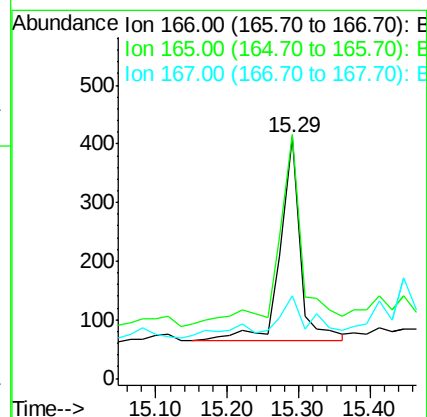
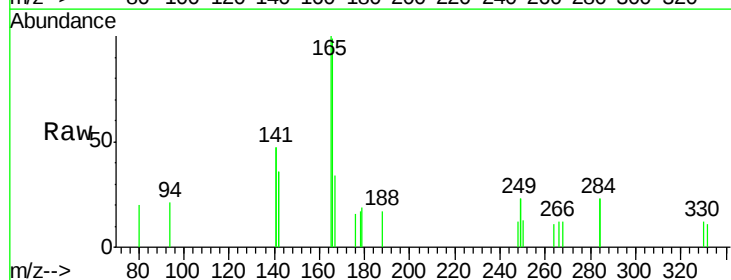
Tgt Ion:166 Resp: 662

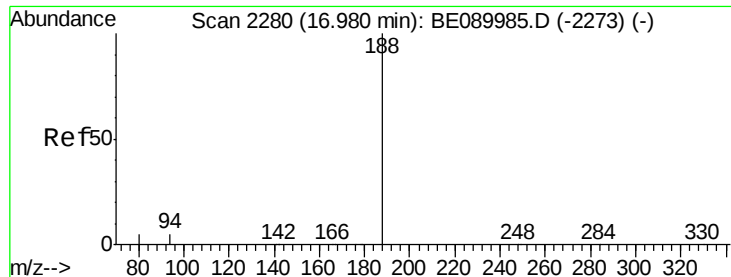
Ion Ratio Lower Upper

166 100

165 117.5 79.0 118.6

167 24.6 11.8 17.8#





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.98 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BE090010.D

Acq: 30 Jun 2015 9:30

Instrument :

BNA_E

ClientSampleId :

X3SS0240006-150624DL

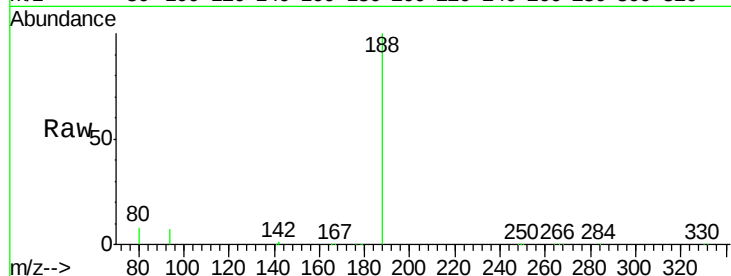
Tgt Ion:188 Resp: 146311

Ion Ratio Lower Upper

188 100

94 7.5 4.1 6.1#

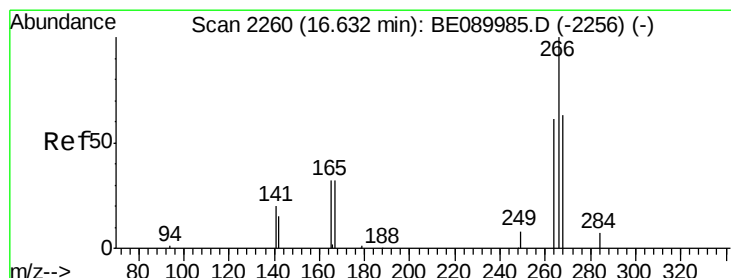
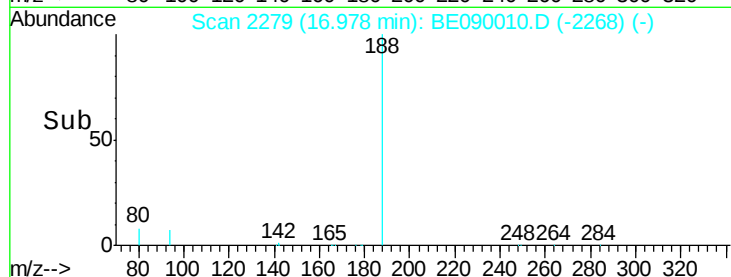
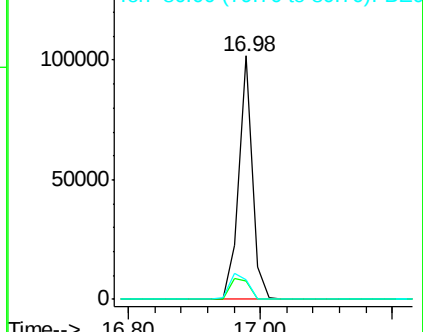
80 7.8 4.2 6.2#



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: 0.26 ng

RT: 16.65 min Scan# 2260

Delta R.T. 0.02 min

Lab File: BE090010.D

Acq: 30 Jun 2015 9:30

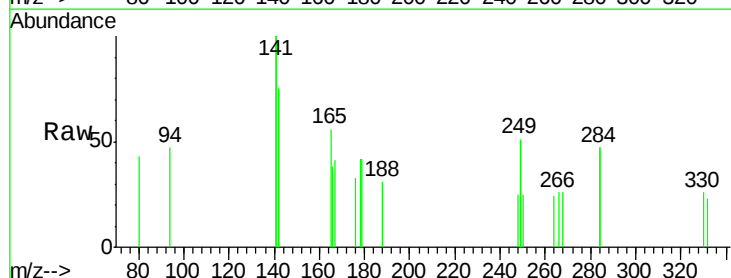
Tgt Ion:266 Resp: 23

Ion Ratio Lower Upper

266 100

268 98.2 51.8 77.8#

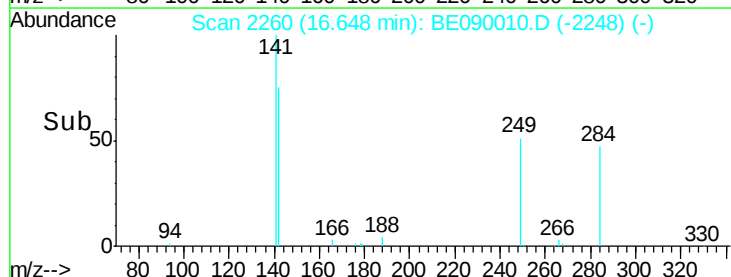
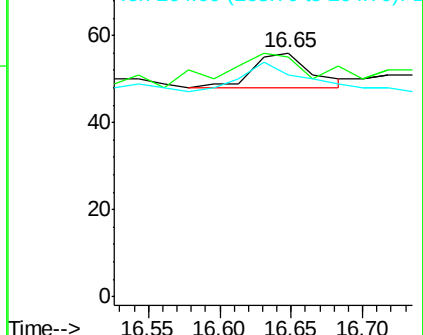
264 91.1 50.2 75.2#

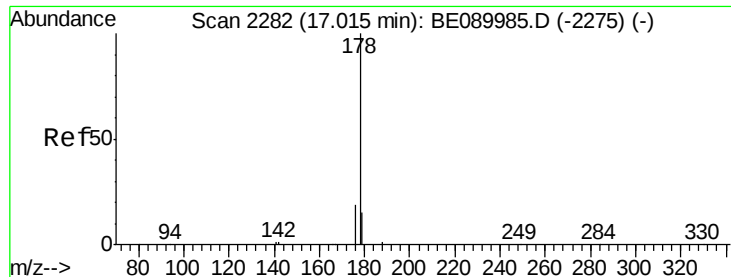


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 1.11 ng

RT: 17.01 min Scan# 2281

Delta R.T. -0.00 min

Lab File: BE090010.D

Acq: 30 Jun 2015 9:30

Instrument :

BNA_E

ClientSampleId :

X3SS0240006-150624DL

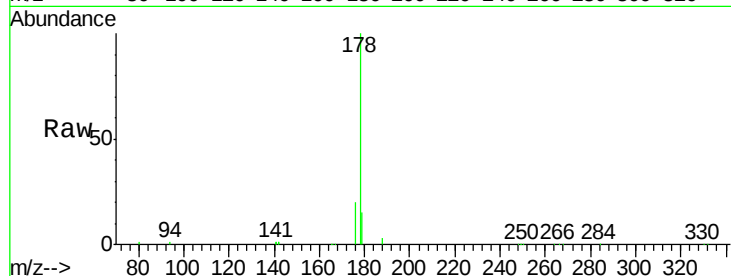
Tgt Ion:178 Resp: 41662

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

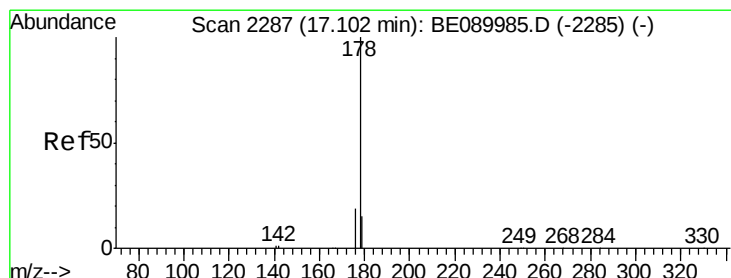
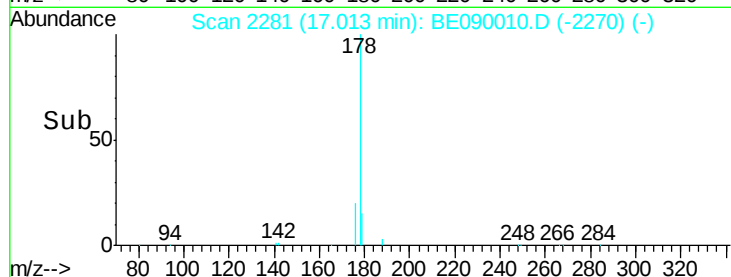
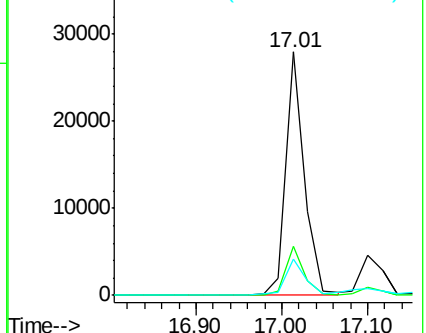
179 16.2 12.4 18.6



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: 1.21 ng

RT: 17.01 min Scan# 2281

Delta R.T. -0.09 min

Lab File: BE090010.D

Acq: 30 Jun 2015 9:30

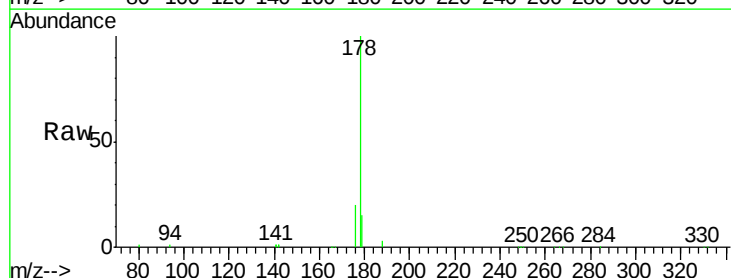
Tgt Ion:178 Resp: 41640

Ion Ratio Lower Upper

178 100

176 19.1 14.7 22.1

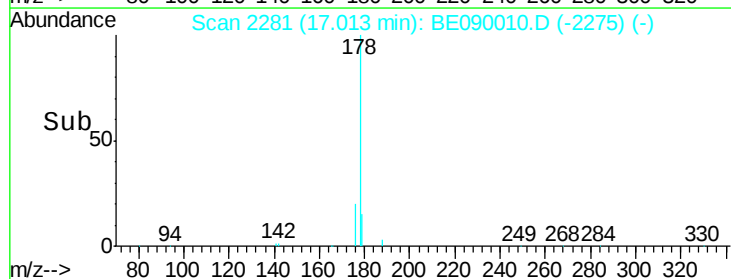
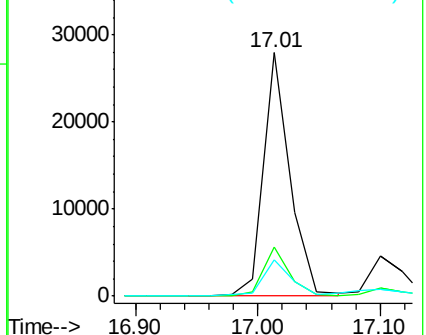
179 16.1 12.1 18.1

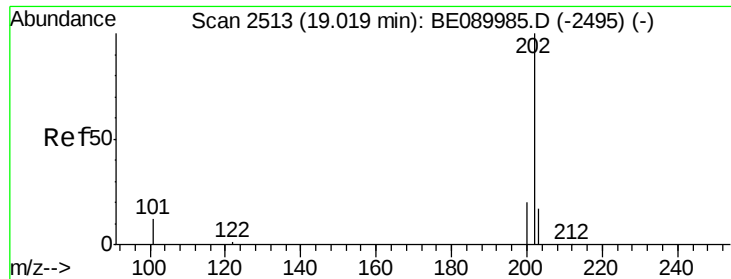


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

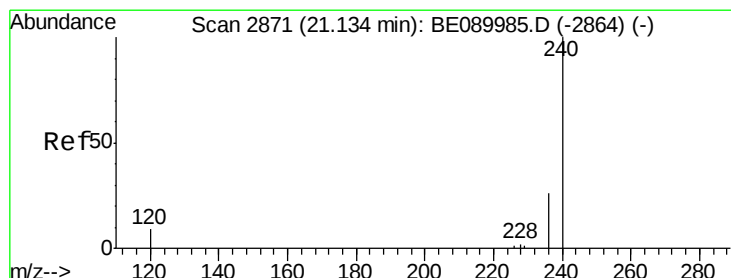
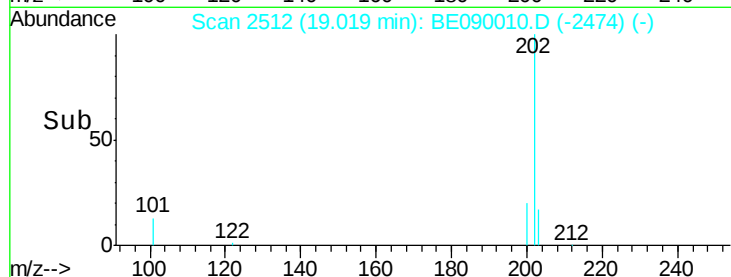
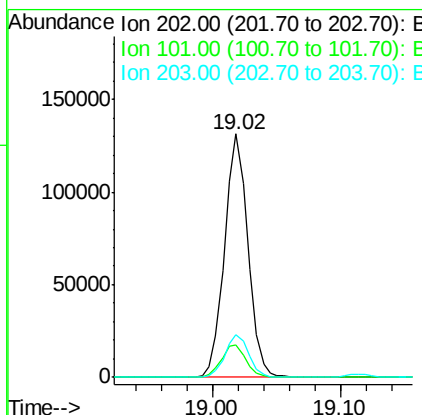
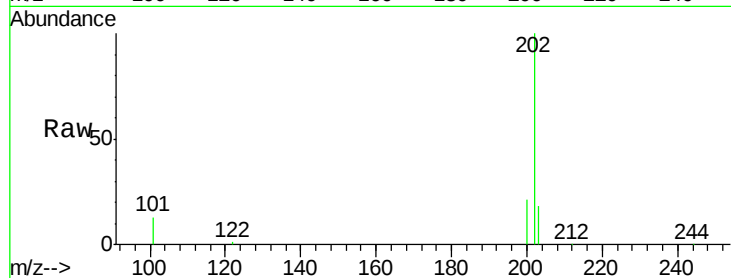




#24
 Fluoranthene
 Concen: 3.96 ng
 RT: 19.02 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: BE090010.D
 Acq: 30 Jun 2015 9:30

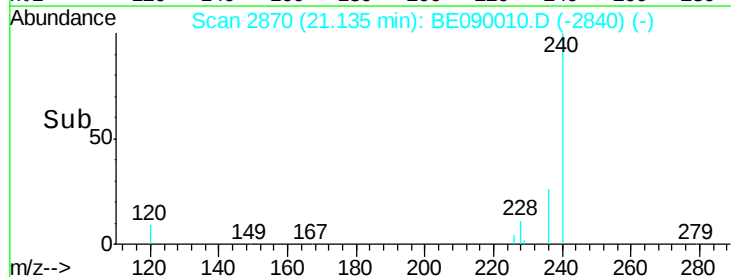
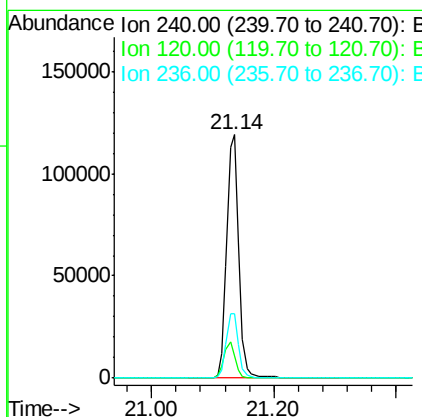
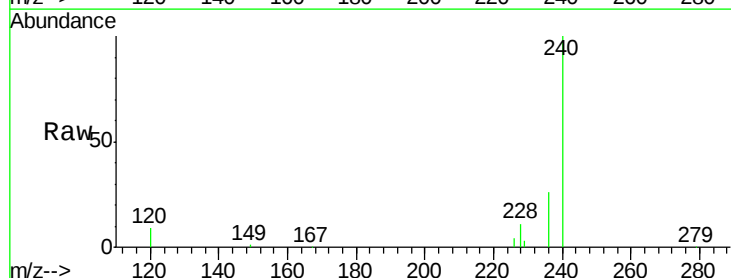
Instrument :
 BNA_E
 ClientSampleId :
 X3SS0240006-150624DL

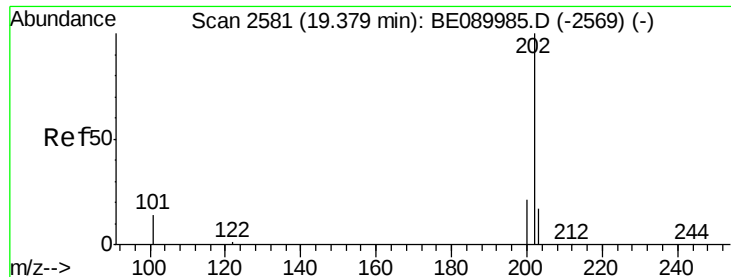
Tgt Ion:202 Resp: 165937
 Ion Ratio Lower Upper
 202 100
 101 13.6 10.6 15.8
 203 17.4 13.8 20.6



#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.14 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: BE090010.D
 Acq: 30 Jun 2015 9:30

Tgt Ion:240 Resp: 162025
 Ion Ratio Lower Upper
 240 100
 120 9.2 6.9 10.3
 236 26.4 20.8 31.2

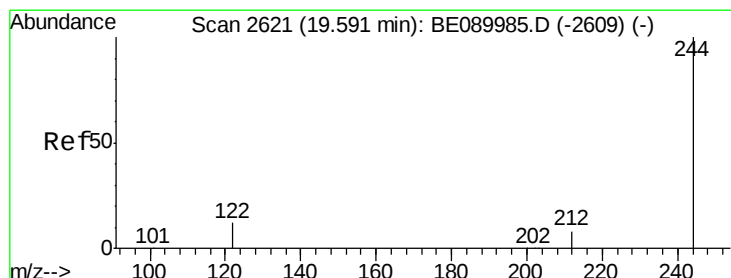
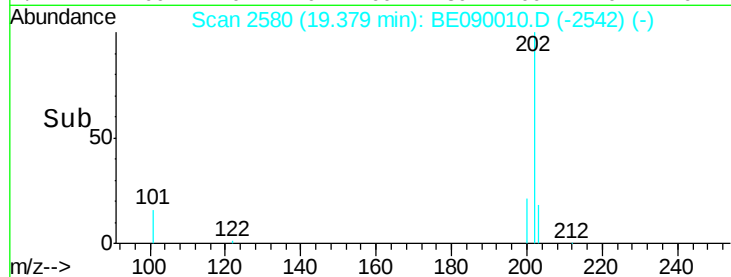
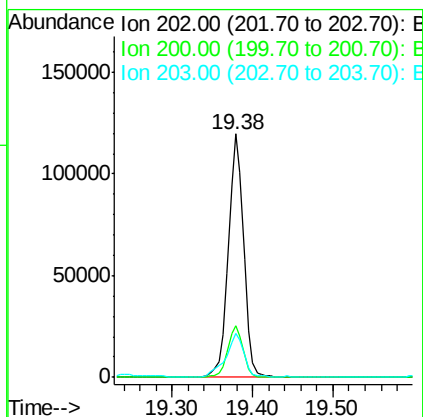
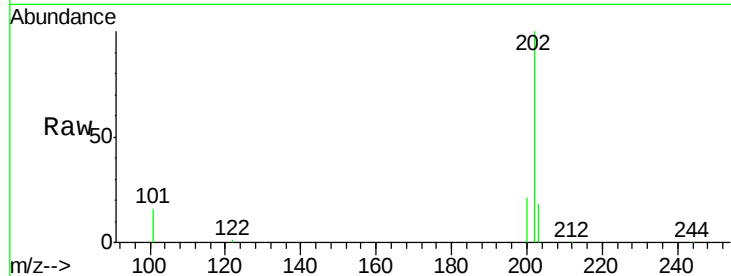




#26
 Pyrene
 Concen: 4.09 ng
 RT: 19.38 min Scan# 2580
 Delta R.T. 0.00 min
 Lab File: BE090010.D
 Acq: 30 Jun 2015 9:30

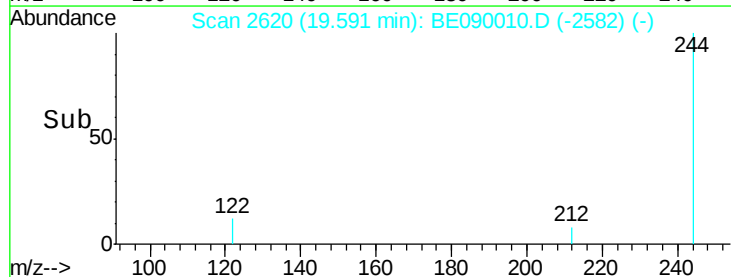
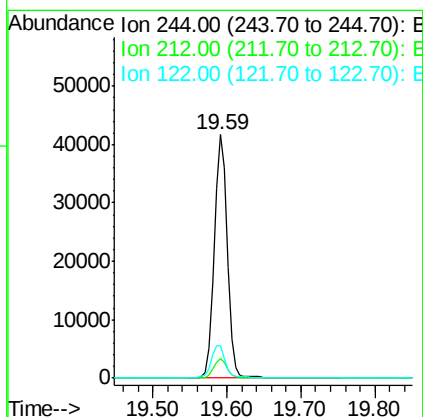
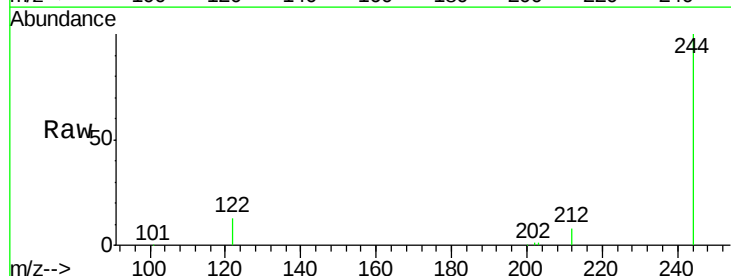
Instrument :
 BNA_E
 ClientSampleId :
 X3SS0240006-150624DL

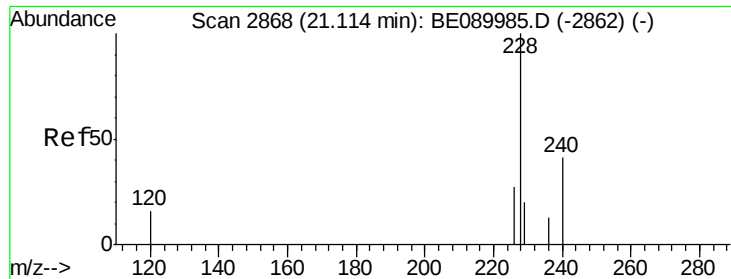
Tgt Ion: 202 Resp: 157930
 Ion Ratio Lower Upper
 202 100
 200 21.4 16.8 25.2
 203 21.2 13.9 20.9#



#27
 Terphenyl-d14
 Concen: 1.91 ng
 RT: 19.59 min Scan# 2620
 Delta R.T. 0.00 min
 Lab File: BE090010.D
 Acq: 30 Jun 2015 9:30

Tgt Ion: 244 Resp: 51508
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.6 9.8
 122 13.3 9.8 14.8





#28

Benzo(a)anthracene

Concen: 2.98 ng

RT: 21.12 min Scan# 2867

Delta R.T. 0.00 min

Lab File: BE090010.D

Acq: 30 Jun 2015 9:30

Instrument :

BNA_E

ClientSampleId :

X3SS0240006-150624DL

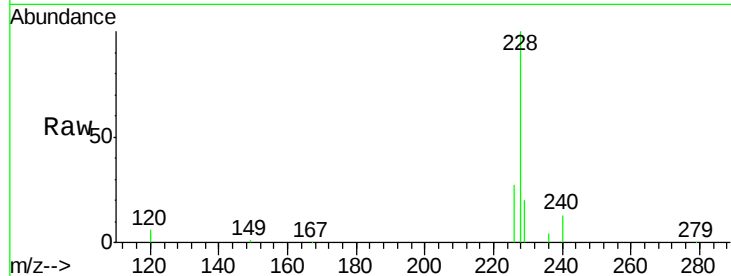
Tgt Ion:228 Resp: 120475

Ion Ratio Lower Upper

228 100

226 27.2 21.8 32.6

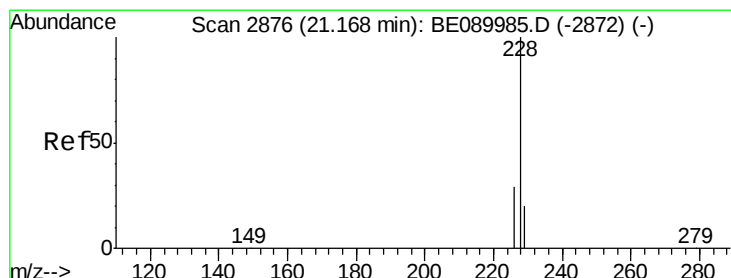
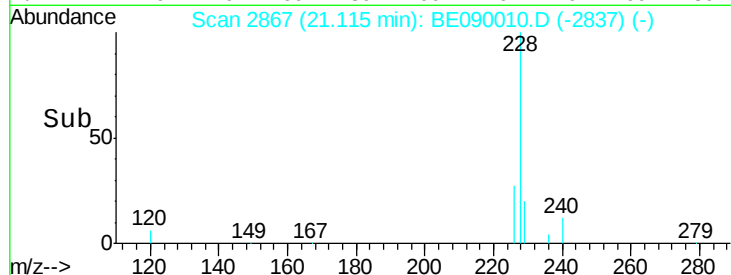
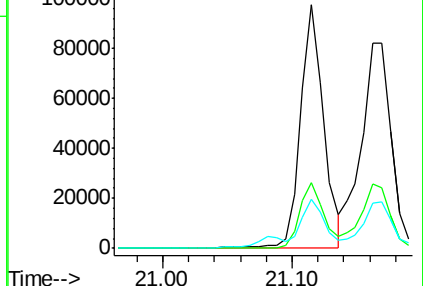
229 20.1 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#29

Chrysene

Concen: 3.14 ng

RT: 21.17 min Scan# 2875

Delta R.T. 0.00 min

Lab File: BE090010.D

Acq: 30 Jun 2015 9:30

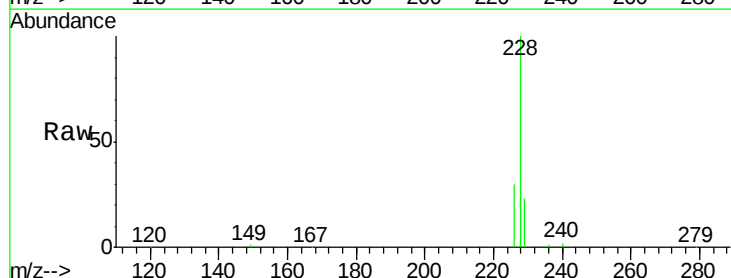
Tgt Ion:228 Resp: 132056

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.0

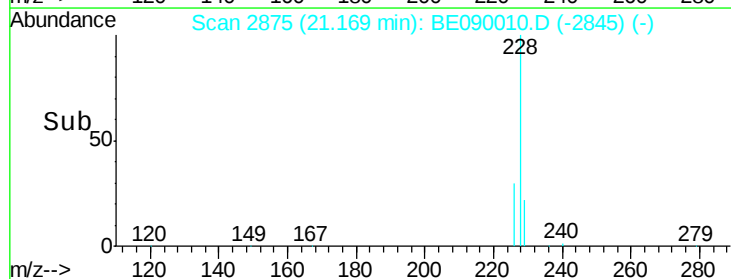
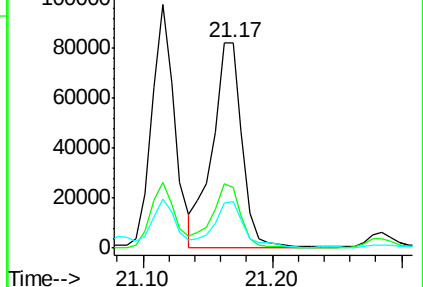
229 22.6 16.2 24.2

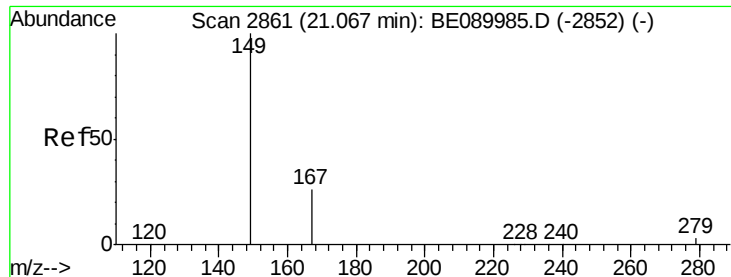


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.69 ng

RT: 21.06 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BE090010.D

Acq: 30 Jun 2015 9:30

Instrument :

BNA_E

ClientSampleId :

X3SS0240006-150624DL

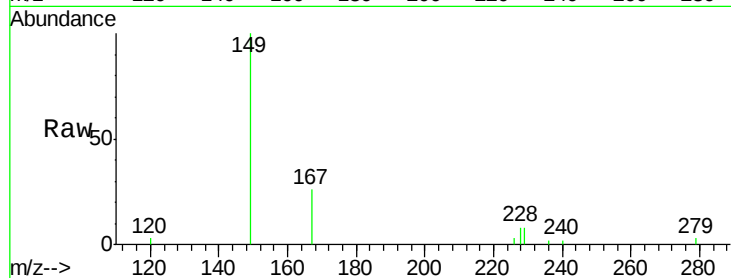
Tgt Ion:149 Resp: 7617

Ion Ratio Lower Upper

149 100

167 25.8 20.3 30.5

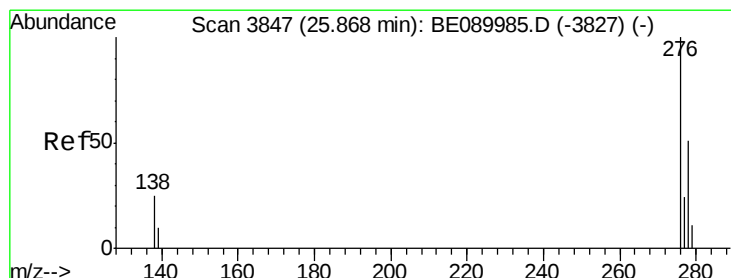
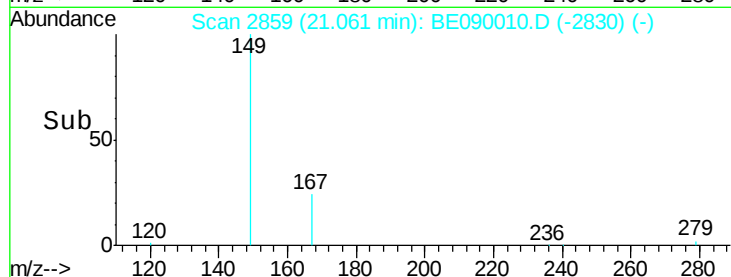
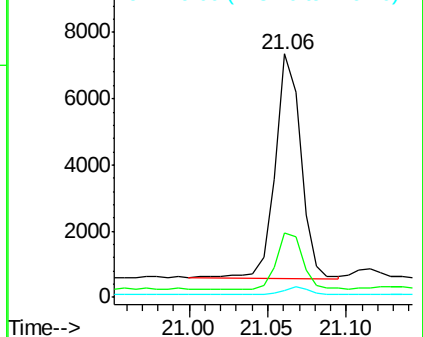
279 3.3 2.6 3.8



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: 2.12 ng

RT: 25.87 min Scan# 3846

Delta R.T. 0.00 min

Lab File: BE090010.D

Acq: 30 Jun 2015 9:30

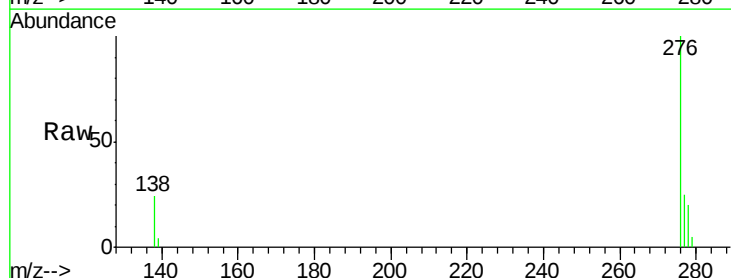
Tgt Ion:276 Resp: 85465

Ion Ratio Lower Upper

276 100

138 22.9 21.3 31.9

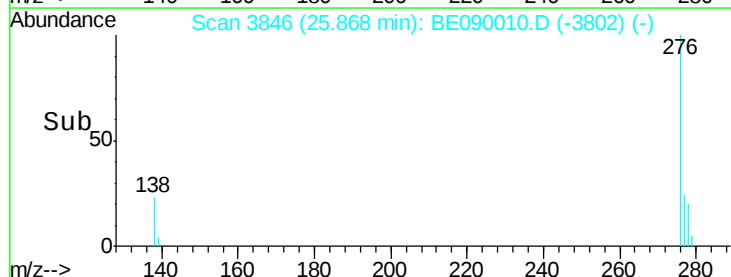
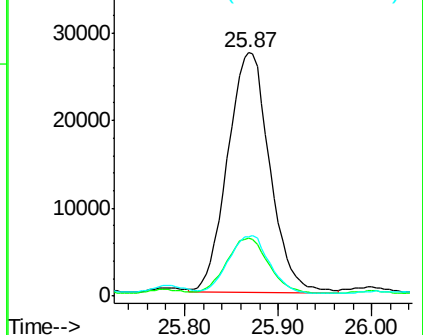
277 23.8 19.7 29.5

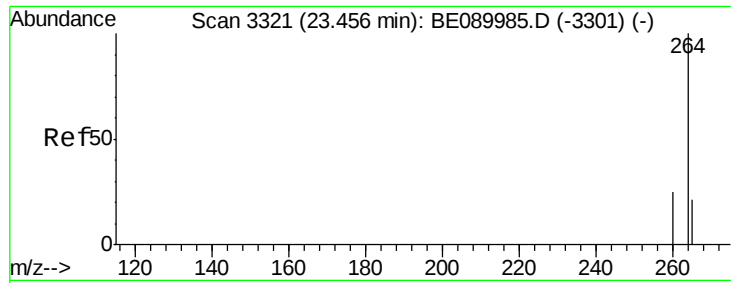


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

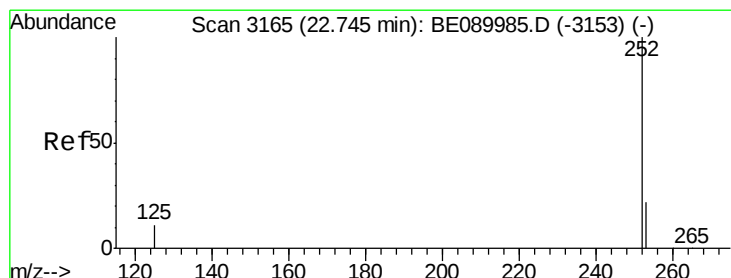
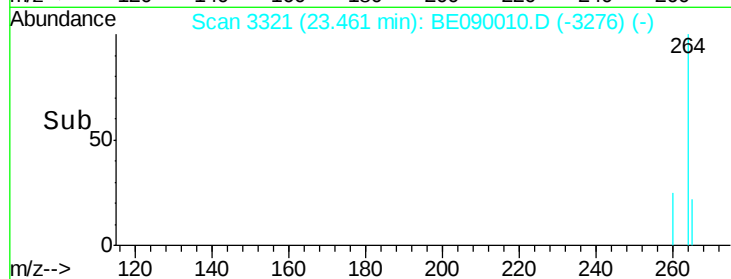
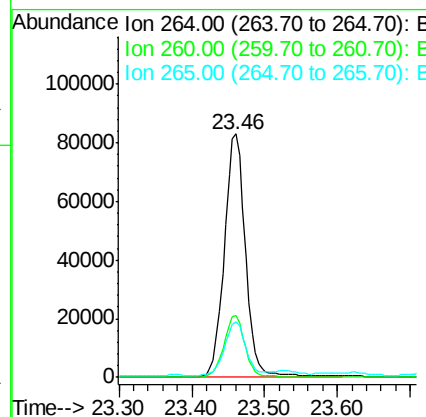
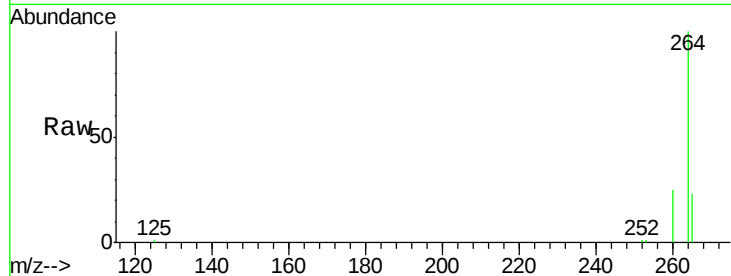




#32
Perylene-d12
Concen: 5.00 ng
RT: 23.46 min Scan# 3321
Delta R.T. 0.00 min
Lab File: BE090010.D
Acq: 30 Jun 2015 9:30

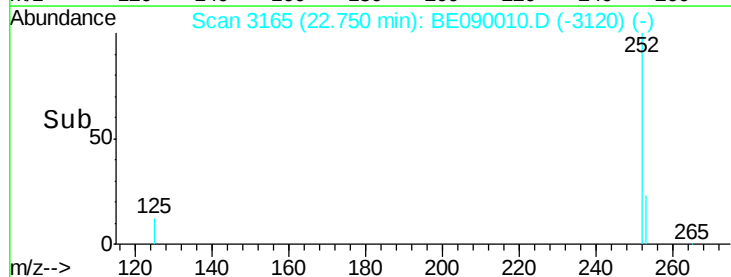
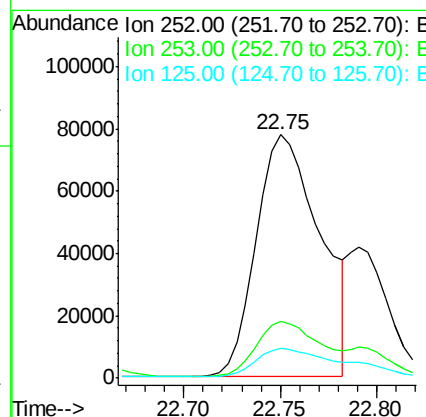
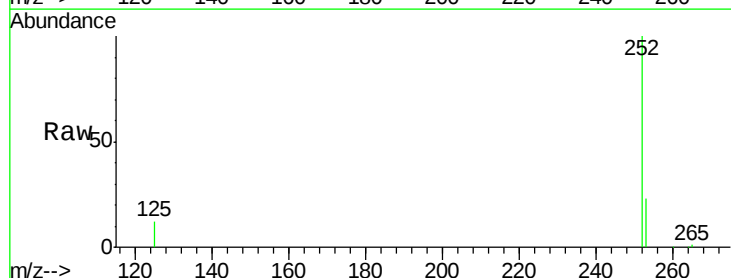
Instrument :
BNA_E
ClientSampleId :
X3SS0240006-150624DL

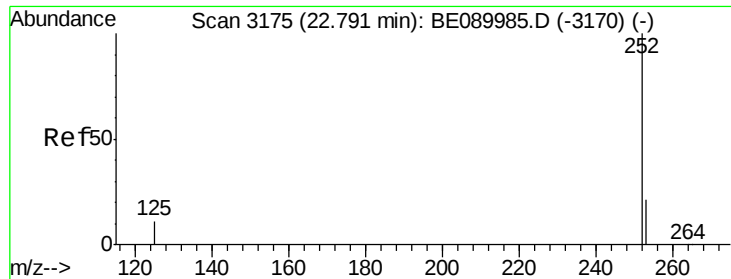
Tgt Ion: 264 Resp: 166479
Ion Ratio Lower Upper
264 100
260 25.2 20.2 30.2
265 22.7 17.1 25.7



#33
Benzo(b)fluoranthene
Concen: 4.89 ng
RT: 22.75 min Scan# 3165
Delta R.T. 0.00 min
Lab File: BE090010.D
Acq: 30 Jun 2015 9:30

Tgt Ion: 252 Resp: 179632
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 12.1 9.0 13.4





#34

Benzo(k)fluoranthene

Concen: 4.38 ng

RT: 22.75 min Scan# 3165

Delta R.T. -0.04 min

Lab File: BE090010.D

Acq: 30 Jun 2015 9:30

Instrument :

BNA_E

ClientSampleId :

X3SS0240006-150624DL

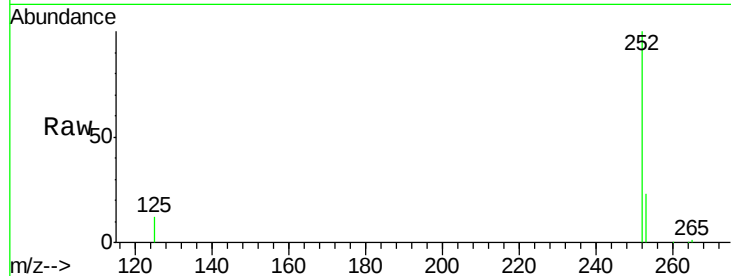
Tgt Ion:252 Resp: 179632

Ion Ratio Lower Upper

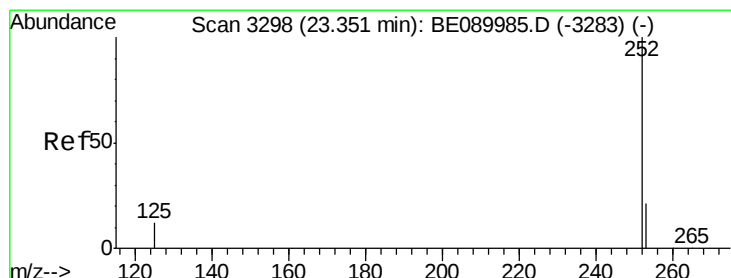
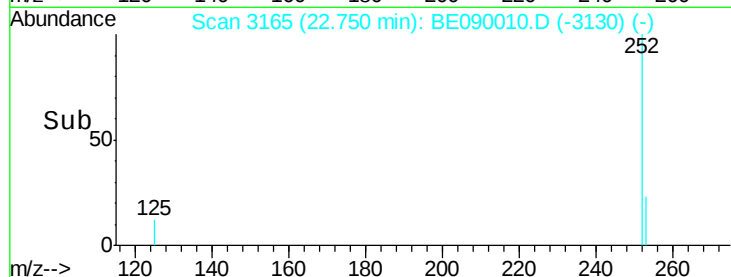
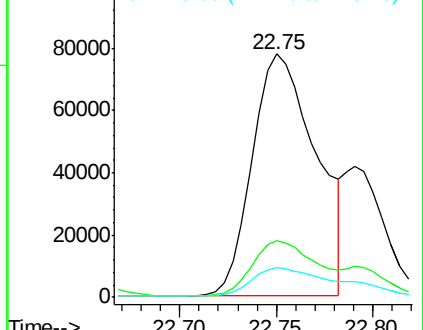
252 100

253 23.2 17.5 26.3

125 12.1 9.5 14.3



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: 3.55 ng

RT: 23.35 min Scan# 3297

Delta R.T. 0.00 min

Lab File: BE090010.D

Acq: 30 Jun 2015 9:30

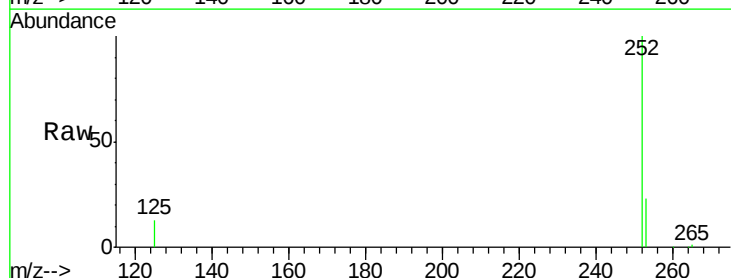
Tgt Ion:252 Resp: 120345

Ion Ratio Lower Upper

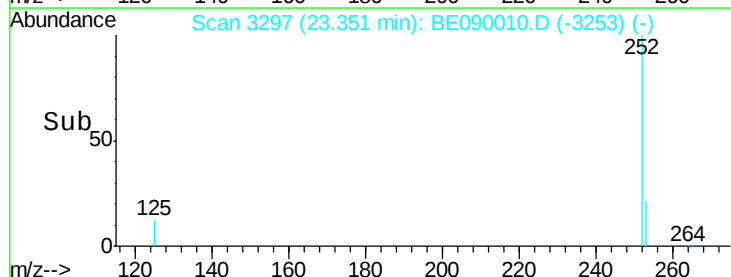
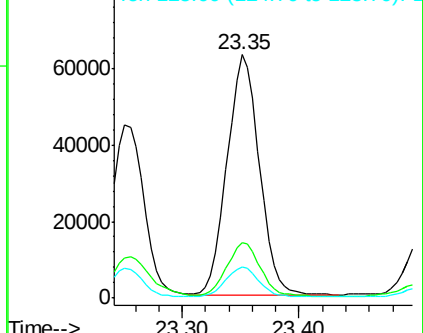
252 100

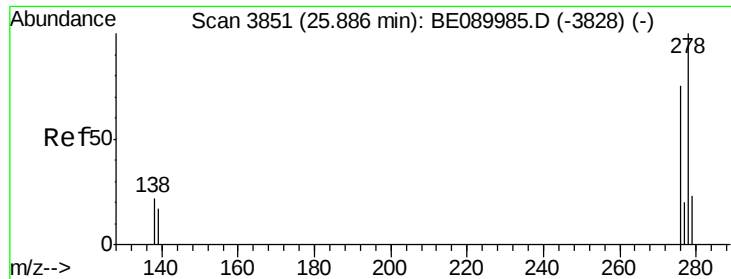
253 23.0 17.4 26.2

125 13.0 10.5 15.7



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: 0.63 ng

RT: 25.88 min Scan# 3848

Delta R.T. -0.01 min

Lab File: BE090010.D

Acq: 30 Jun 2015 9:30

Instrument :

BNA_E

ClientSampleId :

X3SS0240006-150624DL

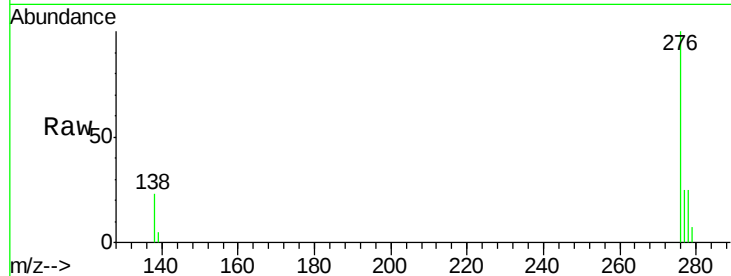
Tgt Ion: 278 Resp: 21883

Ion Ratio Lower Upper

278 100

139 20.6 14.4 21.6

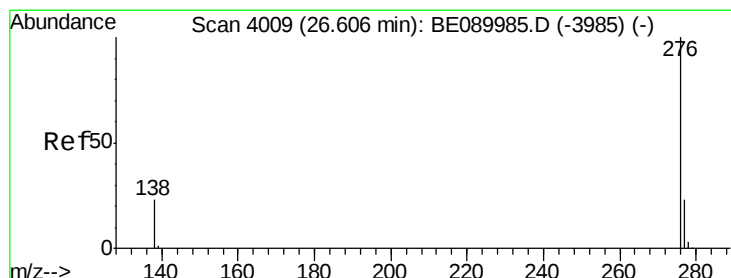
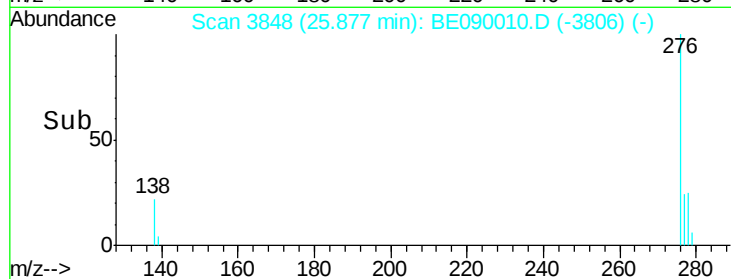
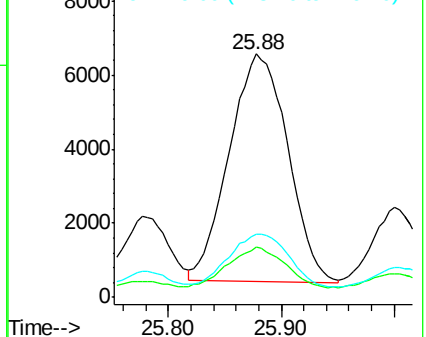
279 26.1 19.0 28.6



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



#37

Benzo(g,h,i)perylene

Concen: 2.44 ng

RT: 26.61 min Scan# 4009

Delta R.T. 0.00 min

Lab File: BE090010.D

Acq: 30 Jun 2015 9:30

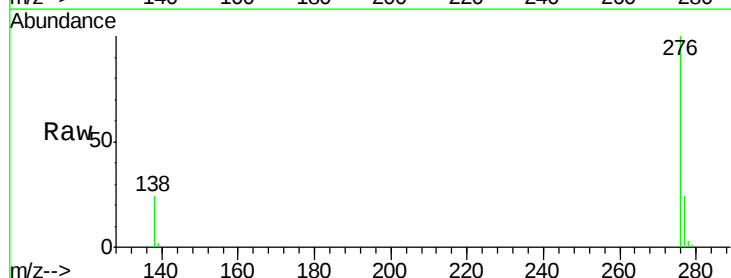
Tgt Ion: 276 Resp: 85985

Ion Ratio Lower Upper

276 100

277 24.2 18.8 28.2

138 23.7 18.6 27.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

