

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032515\
 Data File : BE089852.D
 Acq On : 26 Mar 2015 00:49
 Operator : TP/JJ
 Sample : G1589-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-1

Quant Time: Mar 26 03:30:39 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 25 16:20:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	11025	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	44012	5.00	ng	0.00
8) Acenaphthene-d10	14.40	164	20937	5.00	ng	0.01
13) Phenanthrene-d10	17.93	188	38054	5.00	ng	0.00
19) Chrysene-d12	24.27	240	33379	5.00	ng	0.00
25) Perylene-d12	27.42	264	27985	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) Nitrobenzene-d5	8.68	82	19407	6.12	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	43485	8.88	ng	0.00
21) Terphenyl-d14	21.87	244	50403	10.23	ng	0.00

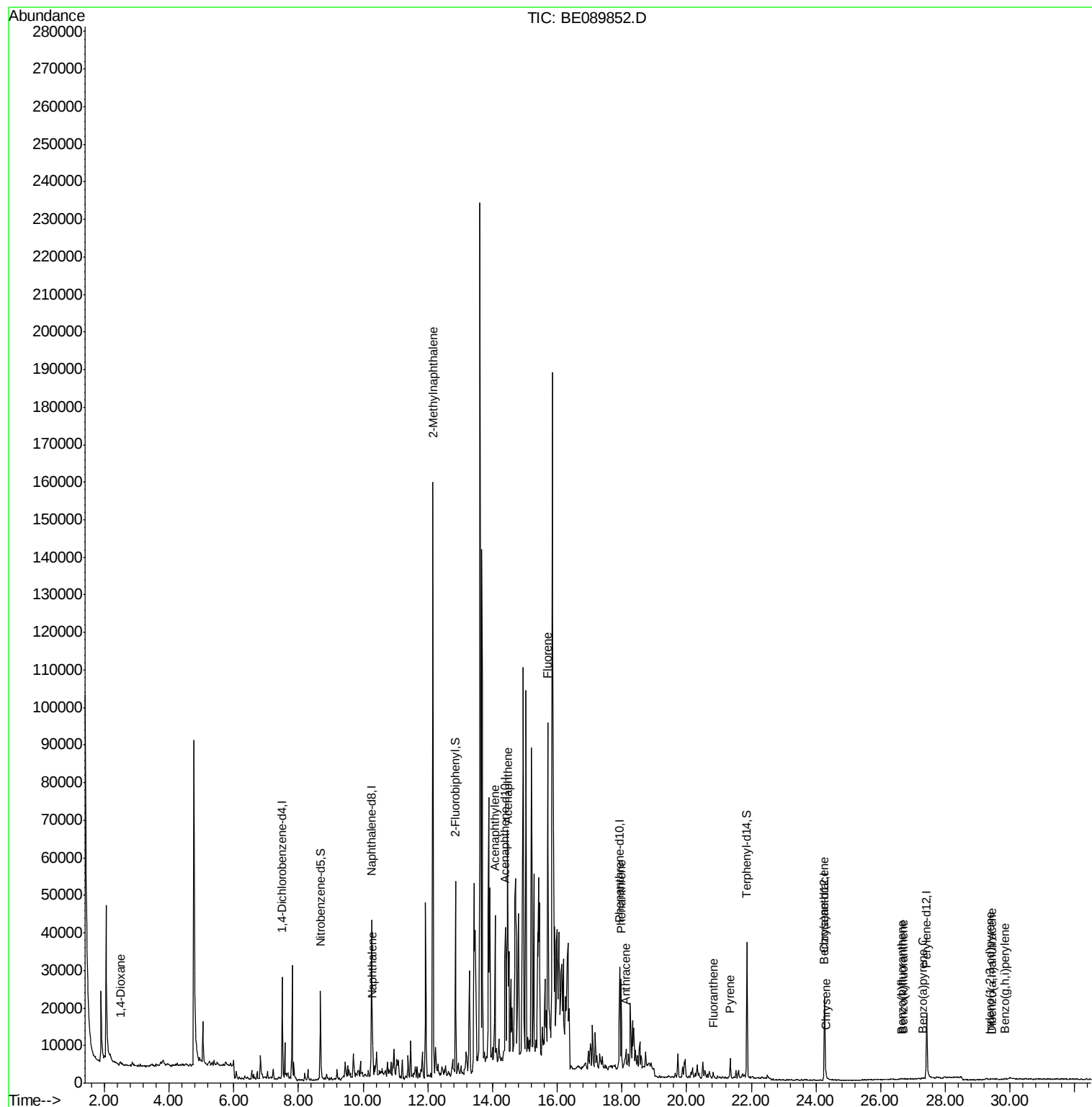
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.50	88	135	0.09	ng	# 1
6) Naphthalene	10.30	128	8766	1.01	ng	# 1
7) 2-Methylnaphthalene	12.16	142	91928	19.02	ng	94
10) Acenaphthylene	14.08	152	23252	0.78	ng	# 1
11) Acenaphthene	14.47	154	11716	2.55	ng	# 62
12) Fluorene	15.71	166	31630	5.69	ng	# 86
15) Pentachlorophenol	17.52	266	79	Below Cal		91
16) Phenanthrene	17.97	178	29894	3.57	ng	# 95
17) Anthracene	18.13	178	5998	0.80	ng	# 1
18) Fluoranthene	20.83	202	1604	0.21	ng	# 83
20) Pyrene	21.35	202	5900	0.70	ng	# 81
22) Benzo(a)anthracene	24.25	228	431	0.07	ng	# 19
23) Chrysene	24.32	228	549	0.08	ng	# 45
24) Indeno(1,2,3-cd)pyrene	29.39	276	171	0.45	ng	# 26
26) Benzo(b)fluoranthene	26.65	252	376	0.37	ng	# 1
27) Benzo(k)fluoranthene	26.70	252	136	0.02	ng	# 1
28) Benzo(a)pyrene	27.31	252	153	0.32	ng	# 1
29) Dibenzo(a,h)anthracene	29.45	278	88	0.28	ng	# 1
30) Benzo(g,h,i)perylene	29.84	276	344	0.31	ng	# 7

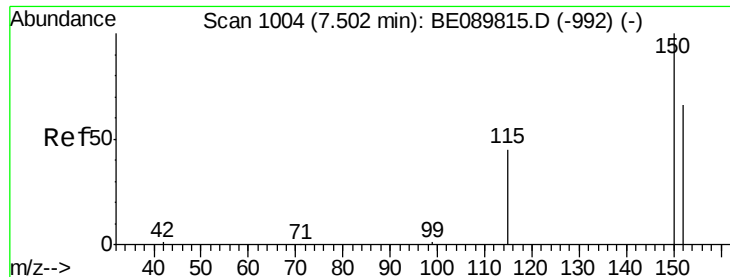
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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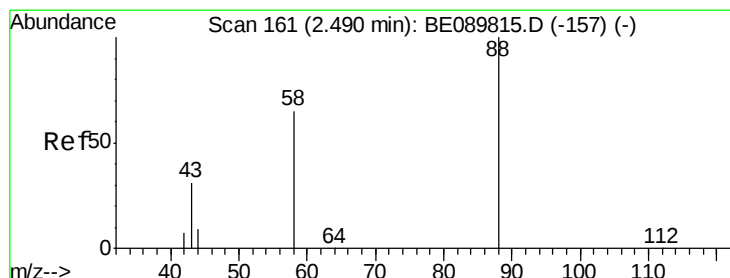
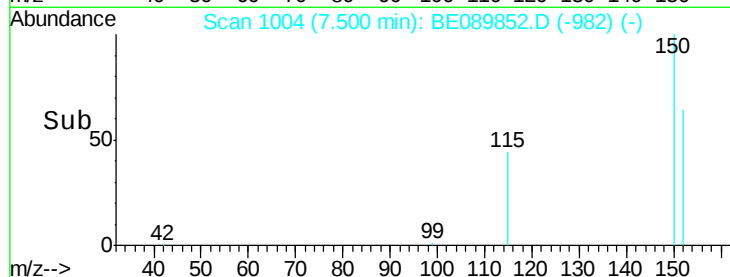
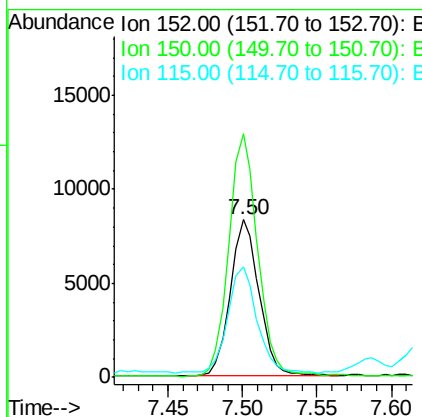
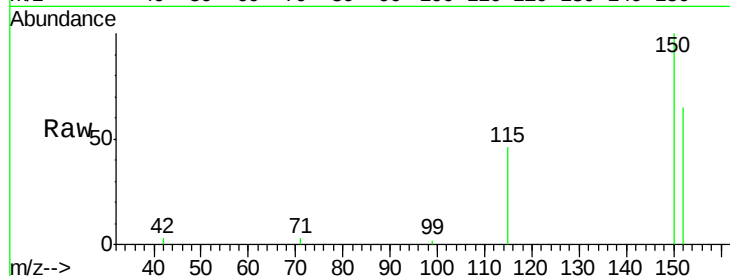




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.50 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BE089852.D
 Acq: 26 Mar 2015 00:49

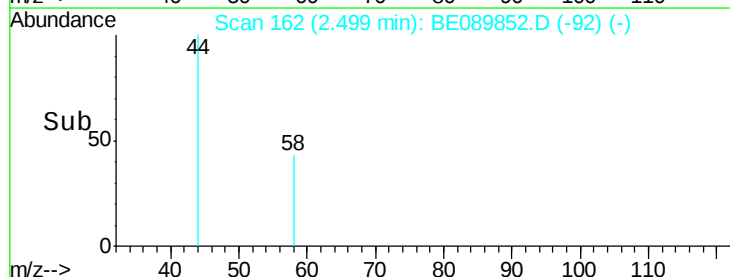
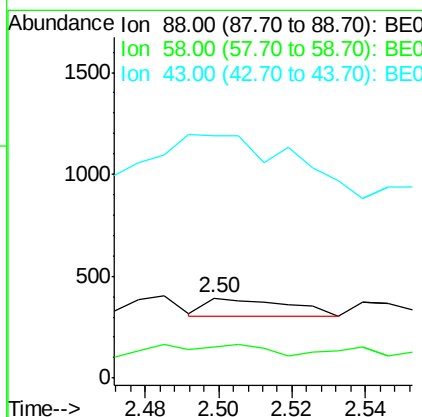
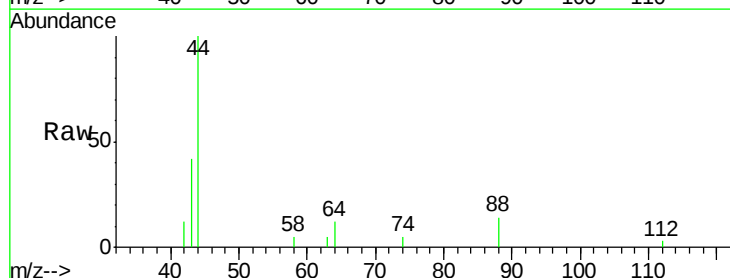
Instrument :
 BNA_E
 ClientSampleId :
 MW-1

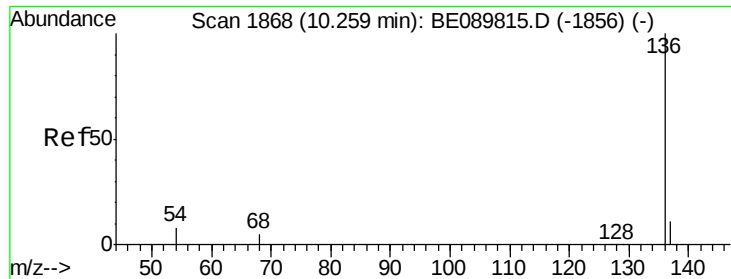
Tgt Ion: 152 Resp: 11025
 Ion Ratio Lower Upper
 152 100
 150 154.7 125.5 188.3
 115 70.6 58.0 87.0



#2
 1,4-Dioxane
 Concen: 0.09 ng
 RT: 2.50 min Scan# 162
 Delta R.T. -0.02 min
 Lab File: BE089852.D
 Acq: 26 Mar 2015 00:49

Tgt Ion: 88 Resp: 135
 Ion Ratio Lower Upper
 88 100
 58 97.0 48.6 72.8#
 43 1145.2 28.6 43.0#





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.26 min Scan# 1869

Delta R.T. 0.01 min

Lab File: BE089852.D

Acq: 26 Mar 2015 00:49

Instrument :

BNA_E

ClientSampleId :

MW-1

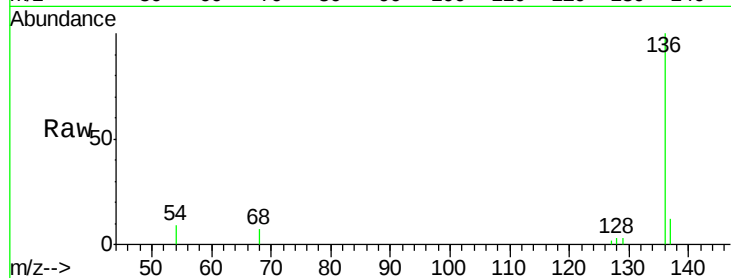
Tgt Ion: 136 Resp: 44012

Ion Ratio Lower Upper

136 100

137 12.1 8.8 13.2

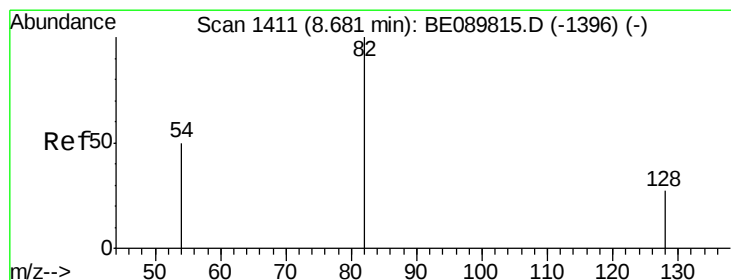
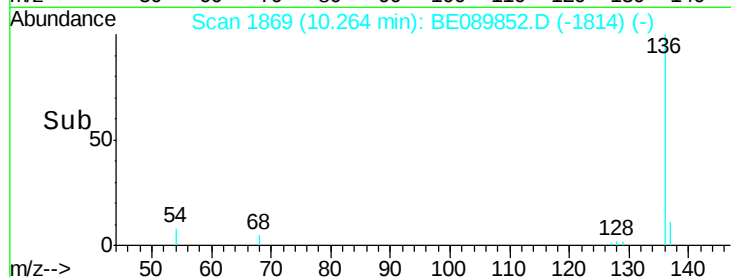
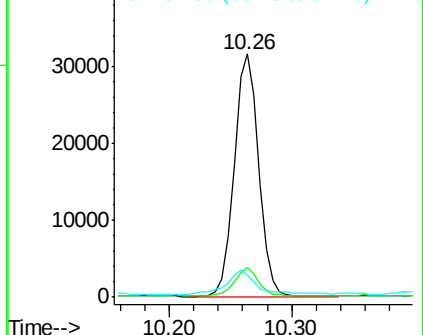
54 9.3 7.0 10.4



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



#5

Nitrobenzene-d5

Concen: 6.12 ng

RT: 8.68 min Scan# 1413

Delta R.T. 0.00 min

Lab File: BE089852.D

Acq: 26 Mar 2015 00:49

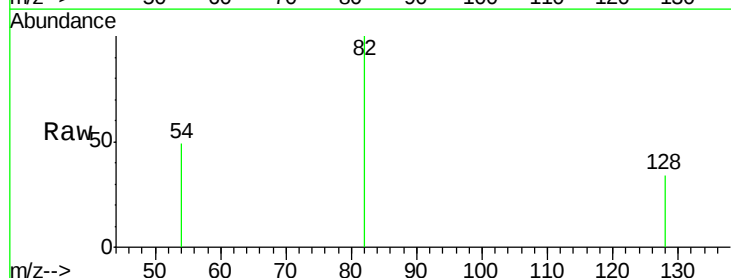
Tgt Ion: 82 Resp: 19407

Ion Ratio Lower Upper

82 100

128 34.3 24.6 37.0

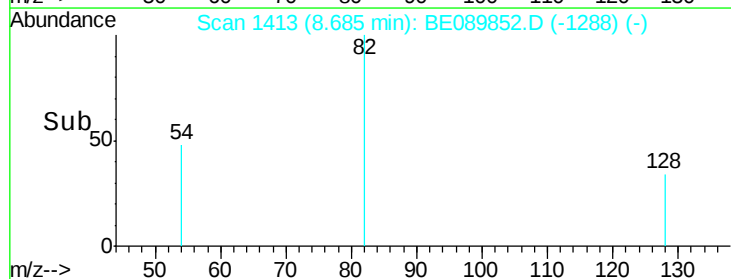
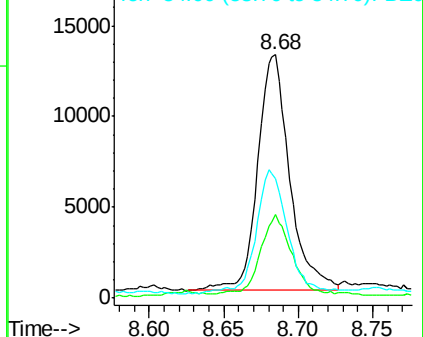
54 49.0 43.0 64.6

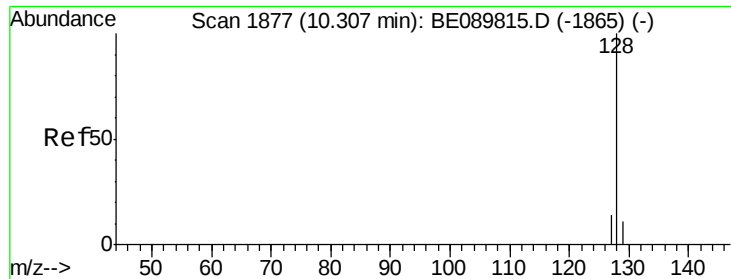


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#6

Naphthalene

Concen: 1.01 ng

RT: 10.30 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BE089852.D

Acq: 26 Mar 2015 00:49

Instrument :

BNA_E

ClientSampleId :

MW-1

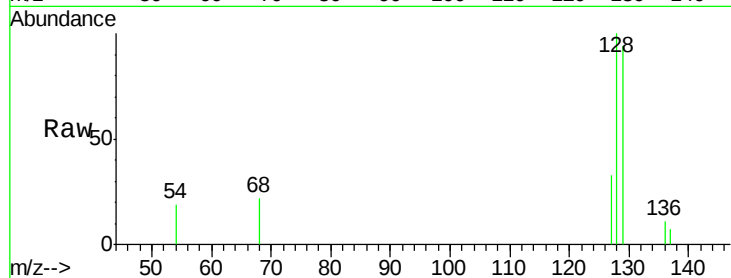
Tgt Ion:128 Resp: 8766

Ion Ratio Lower Upper

128 100

129 94.4 10.0 15.0#

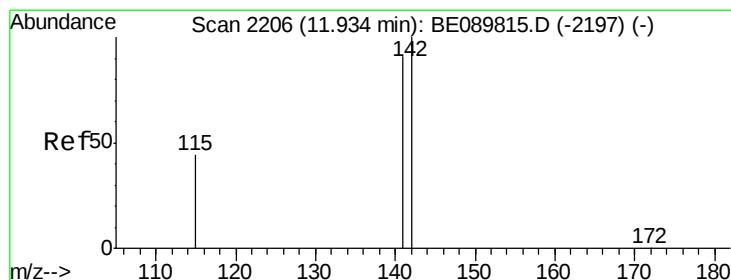
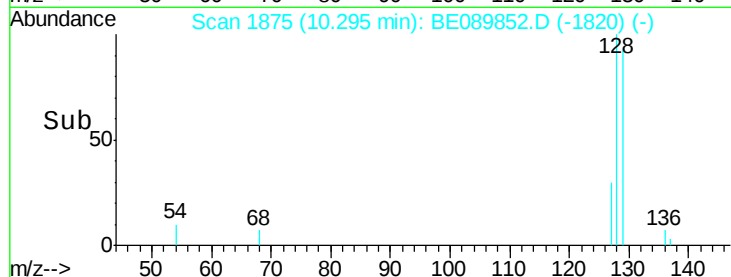
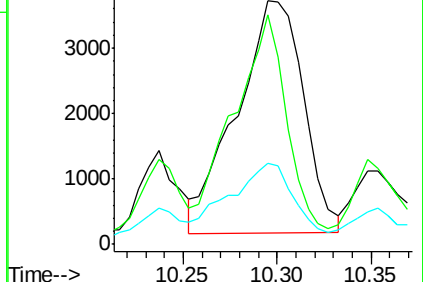
127 33.5 12.5 18.7#



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



#7

2-Methylnaphthalene

Concen: 19.02 ng

RT: 12.16 min Scan# 2256

Delta R.T. 0.22 min

Lab File: BE089852.D

Acq: 26 Mar 2015 00:49

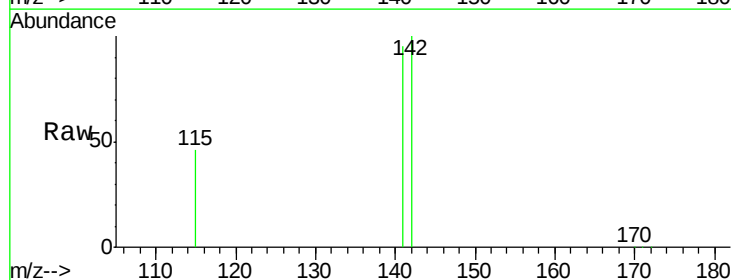
Tgt Ion:142 Resp: 91928

Ion Ratio Lower Upper

142 100

141 95.0 72.8 109.2

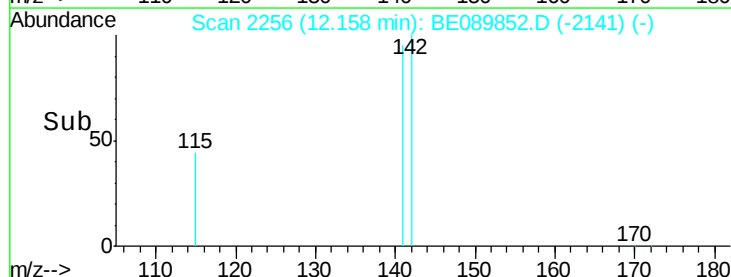
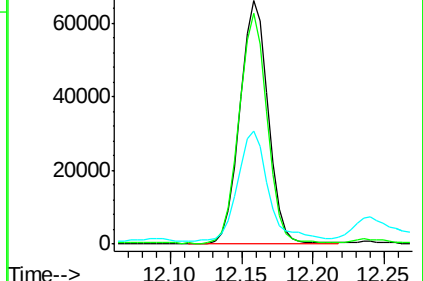
115 46.4 32.9 49.3

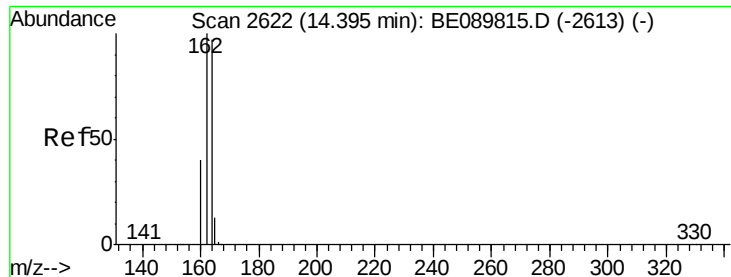


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 2623

Delta R.T. 0.01 min

Lab File: BE089852.D

Acq: 26 Mar 2015 00:49

Instrument :

BNA_E

ClientSampleId :

MW-1

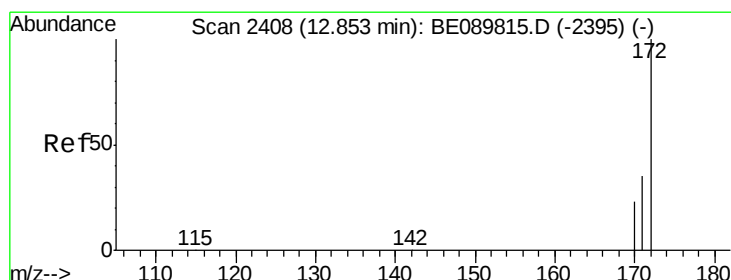
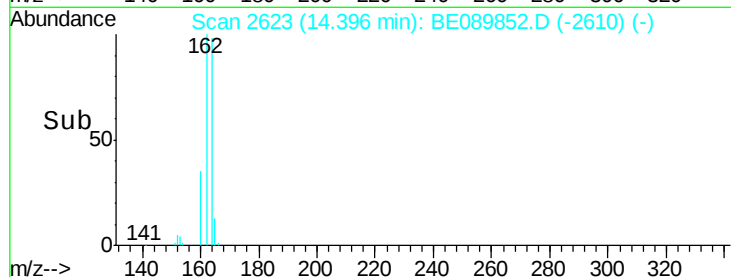
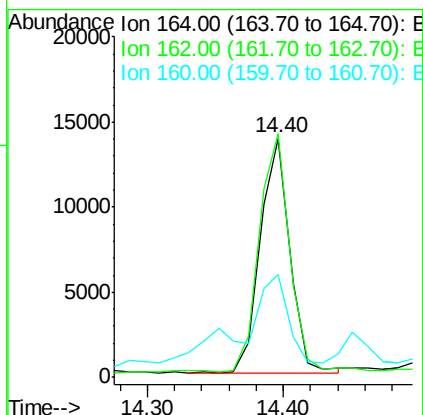
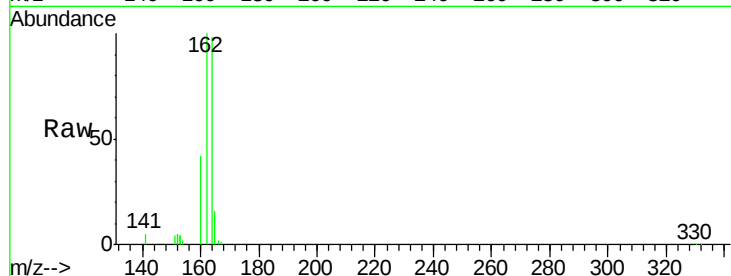
Tgt Ion:164 Resp: 20937

Ion Ratio Lower Upper

164 100

162 102.0 87.6 131.4

160 43.4 36.7 55.1



#9

2-Fluorobiphenyl

Concen: 8.88 ng

RT: 12.85 min Scan# 2409

Delta R.T. 0.00 min

Lab File: BE089852.D

Acq: 26 Mar 2015 00:49

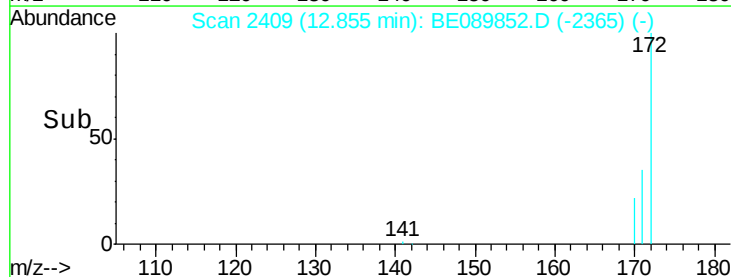
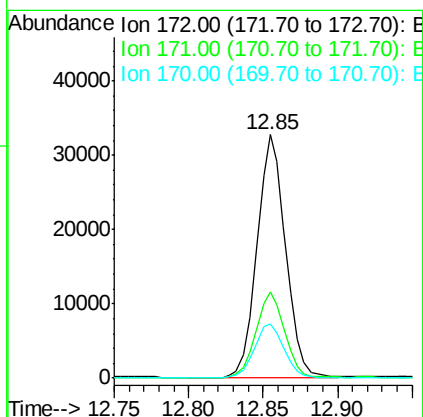
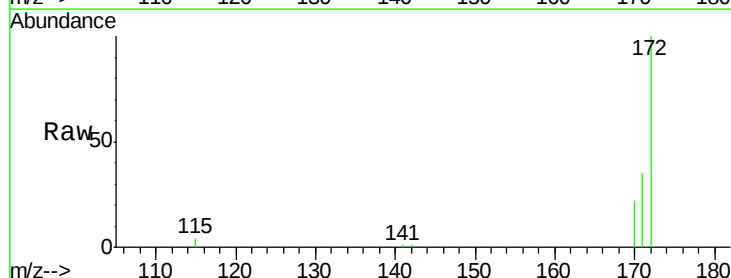
Tgt Ion:172 Resp: 43485

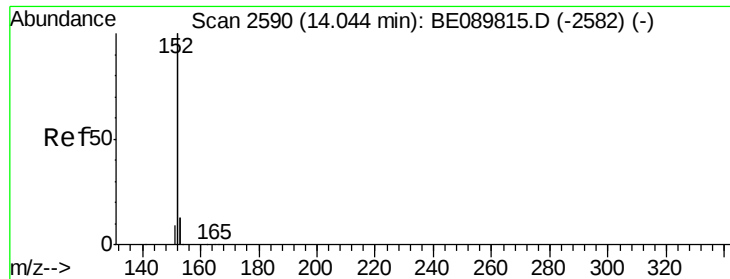
Ion Ratio Lower Upper

172 100

171 35.2 30.8 46.2

170 22.4 21.0 31.4





#10

Acenaphthylene

Concen: 0.78 ng

RT: 14.08 min Scan# 2594

Delta R.T. 0.03 min

Lab File: BE089852.D

Acq: 26 Mar 2015 00:49

Instrument :

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MW-1

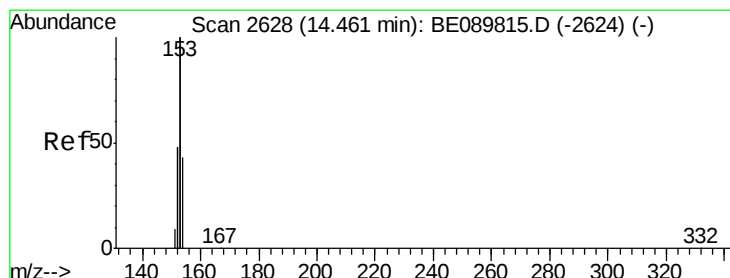
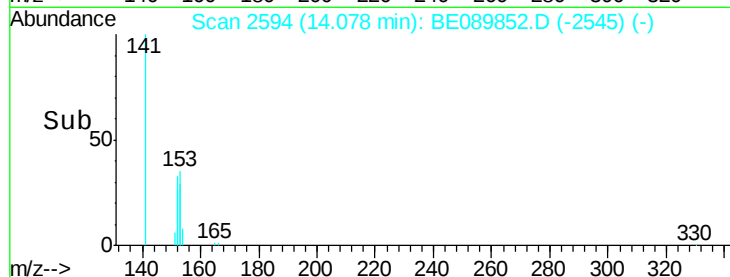
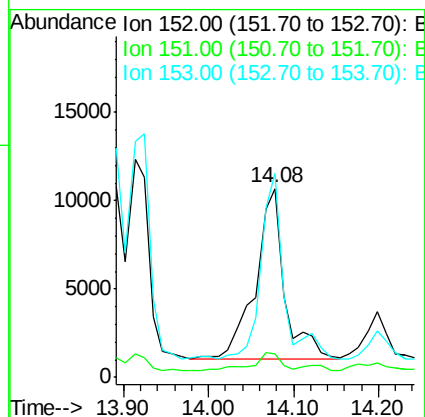
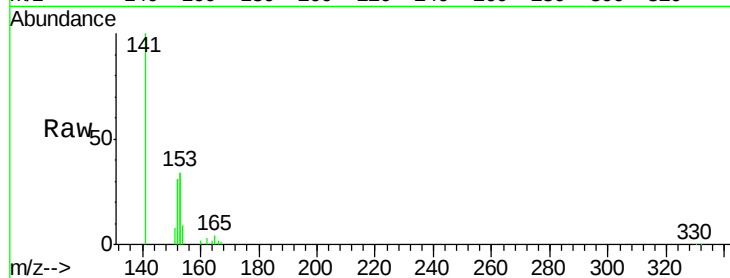
Tgt Ion:152 Resp: 23252

Ion Ratio Lower Upper

152 100

151 9.3 3.9 5.9#

153 87.2 11.0 16.4#



#11

Acenaphthene

Concen: 2.55 ng

RT: 14.47 min Scan# 2630

Delta R.T. 0.01 min

Lab File: BE089852.D

Acq: 26 Mar 2015 00:49

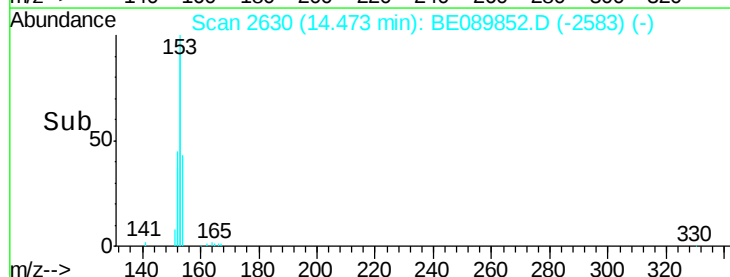
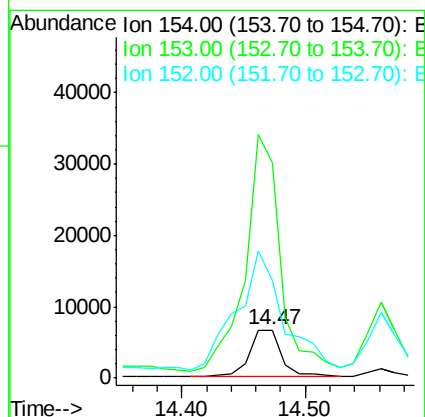
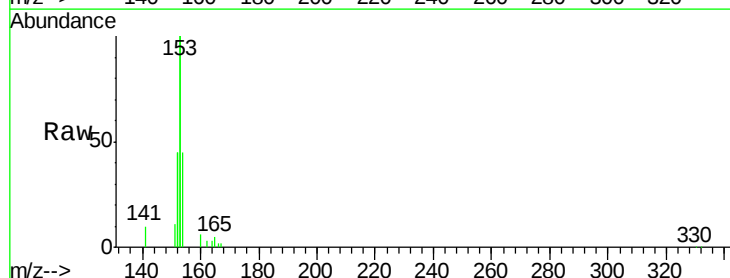
Tgt Ion:154 Resp: 11716

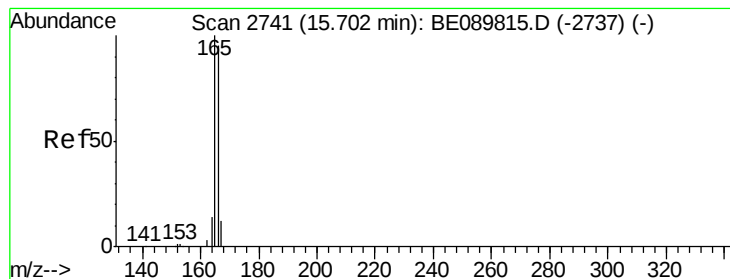
Ion Ratio Lower Upper

154 100

153 561.3 401.5 602.3

152 373.3 198.6 298.0#





#12

Fluorene

Concen: 5.69 ng

RT: 15.71 min Scan# 2743

Delta R.T. 0.00 min

Lab File: BE089852.D

Acq: 26 Mar 2015 00:49

Instrument :

BNA_E

ClientSampled :

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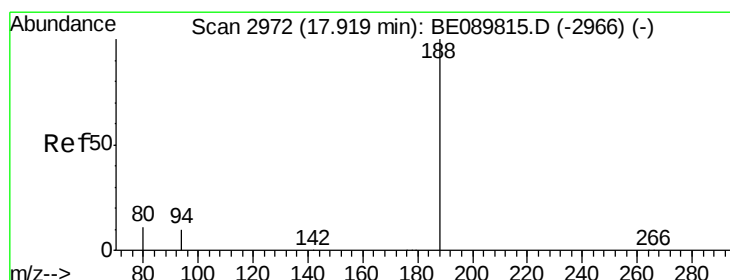
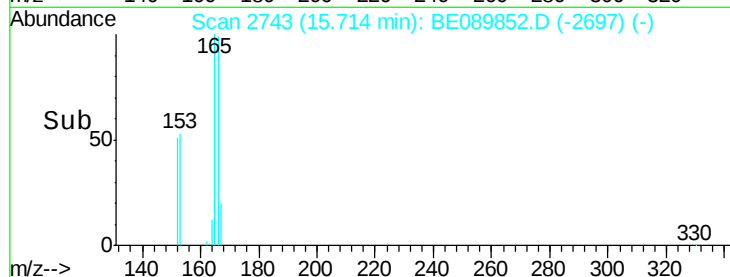
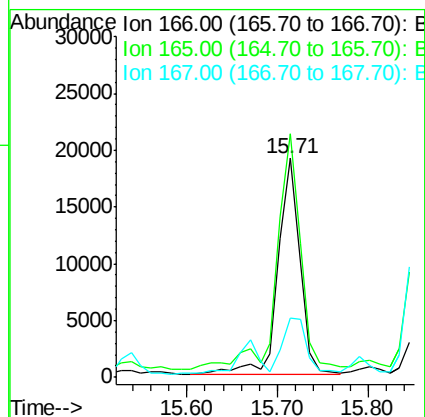
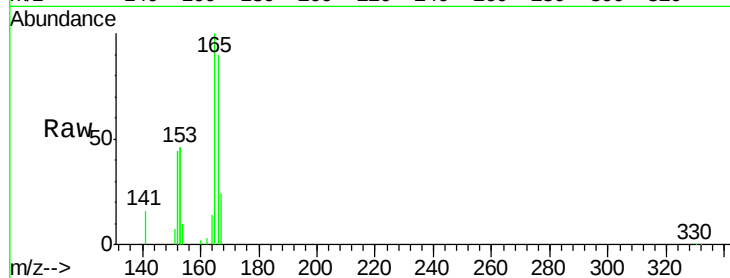
Tgt Ion:166 Resp: 31630

Ion Ratio Lower Upper

166 100

165 118.9 85.1 127.7

167 26.2 12.2 18.4#



#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.93 min Scan# 2974

Delta R.T. 0.01 min

Lab File: BE089852.D

Acq: 26 Mar 2015 00:49

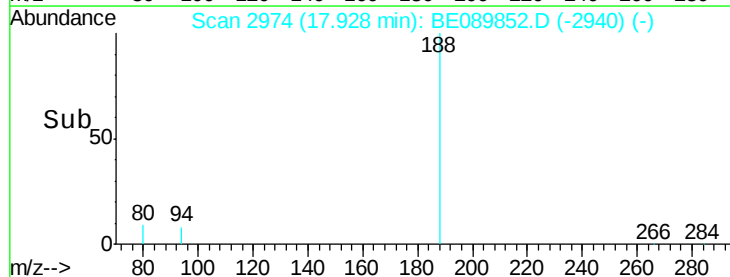
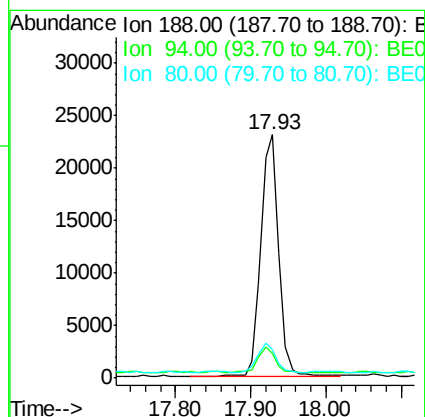
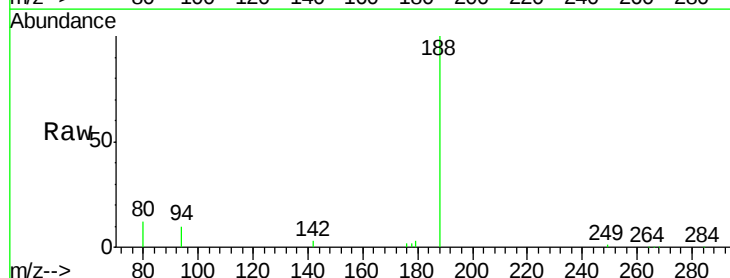
Tgt Ion:188 Resp: 38054

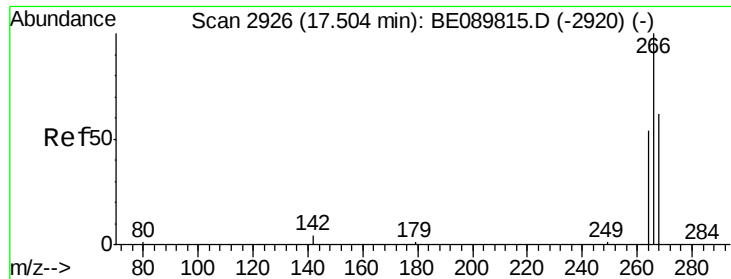
Ion Ratio Lower Upper

188 100

94 10.3 8.5 12.7

80 11.7 10.0 15.0

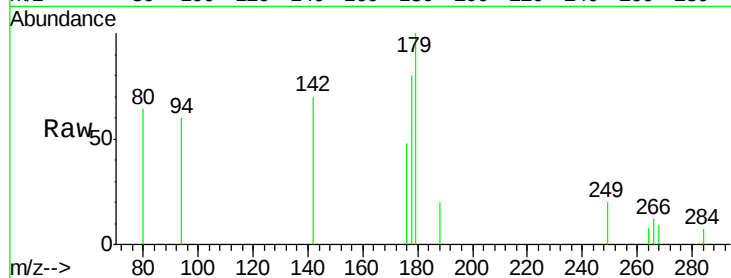




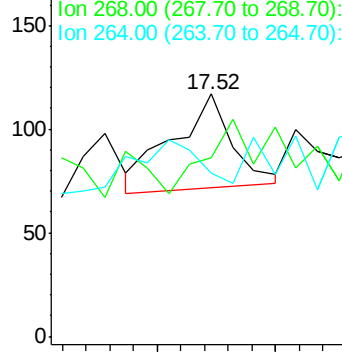
#15
 Pentachlorophenol
 Concen: Below Cal
 RT: 17.52 min Scan# 2929
 Delta R.T. 0.02 min
 Lab File: BE089852.D
 Acq: 26 Mar 2015 00:49

Instrument :
 BNA_E
 ClientSampled :
 MW-1

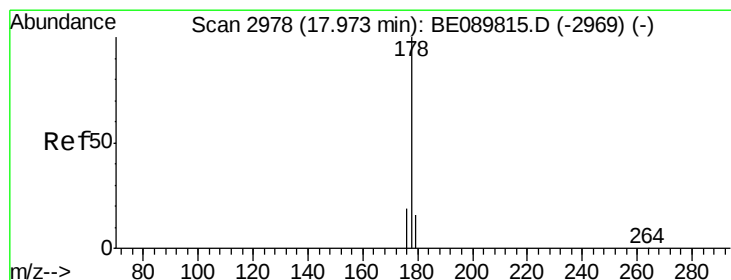
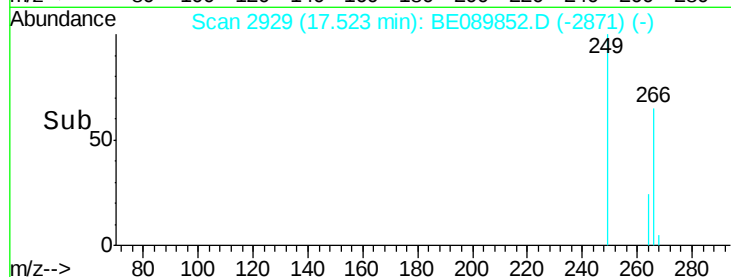
Tgt Ion: 266 Resp: 79
 Ion Ratio Lower Upper
 266 100
 268 73.5 51.6 77.4
 264 67.5 50.2 75.2



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

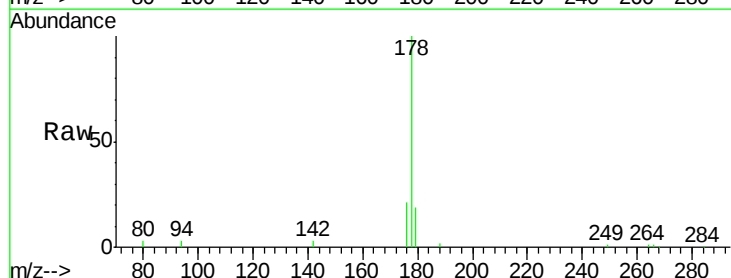


Time-->

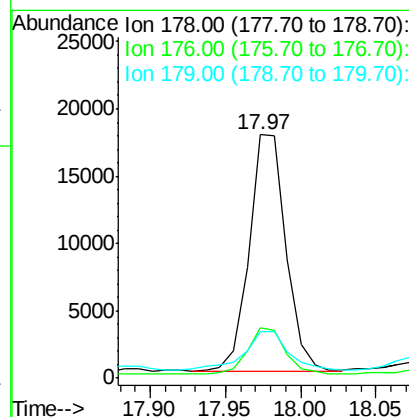


#16
 Phenanthrene
 Concen: 3.57 ng
 RT: 17.97 min Scan# 2979
 Delta R.T. 0.00 min
 Lab File: BE089852.D
 Acq: 26 Mar 2015 00:49

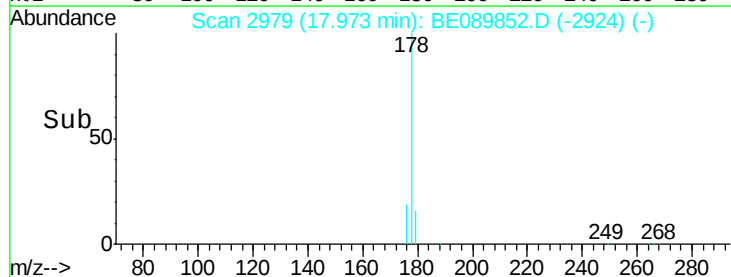
Tgt Ion: 178 Resp: 29894
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.4 23.0
 179 18.8 12.2 18.4#

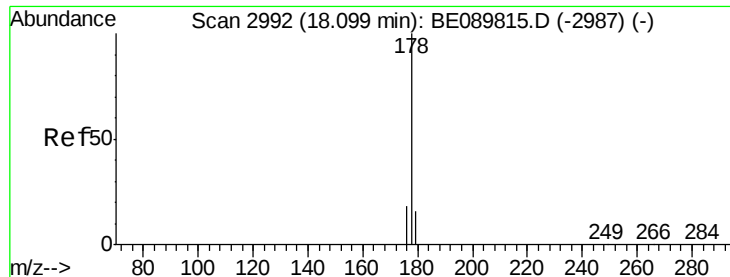


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



Time-->





#17

Anthracene

Concen: 0.80 ng

RT: 18.13 min Scan# 2996

Delta R.T. 0.03 min

Lab File: BE089852.D

Acq: 26 Mar 2015 00:49

Instrument :

BNA_E

ClientSampleId :

MW-1

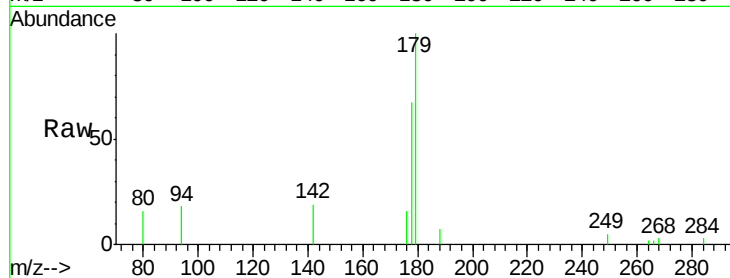
Tgt Ion:178 Resp: 5998

Ion Ratio Lower Upper

178 100

176 26.4 14.6 21.8#

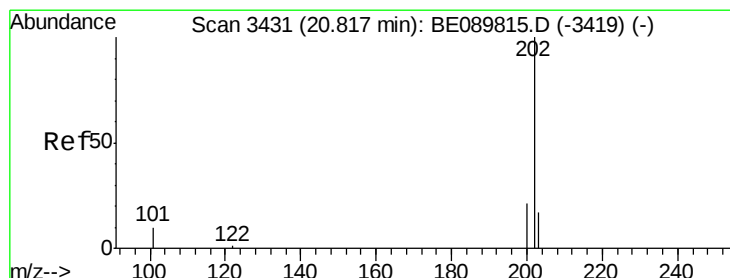
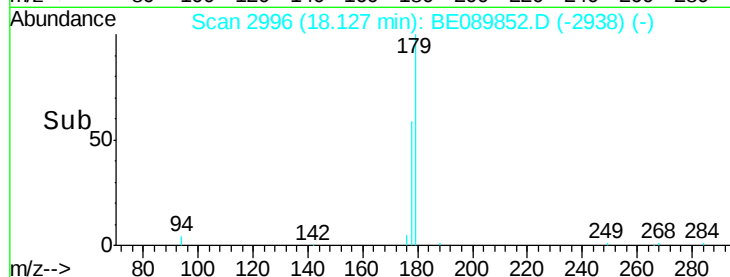
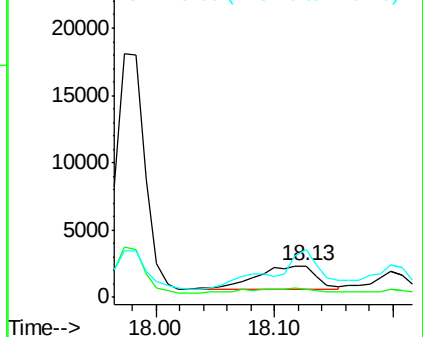
179 131.4 12.1 18.1#



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



#18

Fluoranthene

Concen: 0.21 ng

RT: 20.83 min Scan# 3434

Delta R.T. 0.01 min

Lab File: BE089852.D

Acq: 26 Mar 2015 00:49

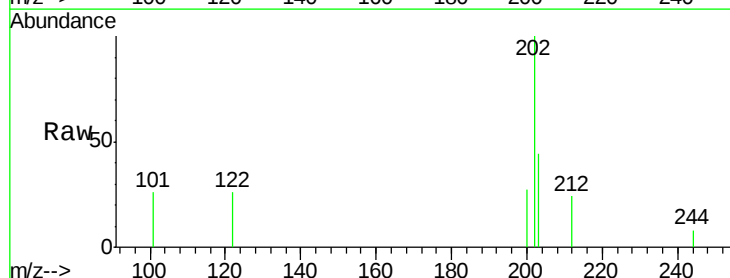
Tgt Ion:202 Resp: 1604

Ion Ratio Lower Upper

202 100

101 22.3 8.2 12.2#

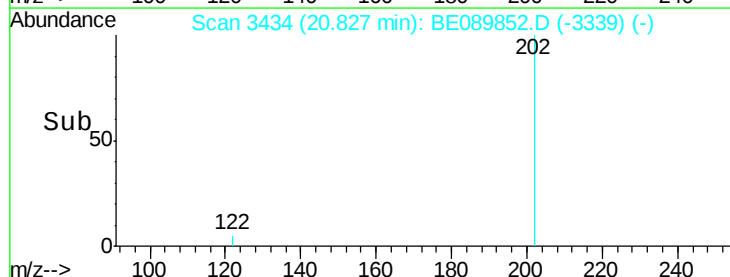
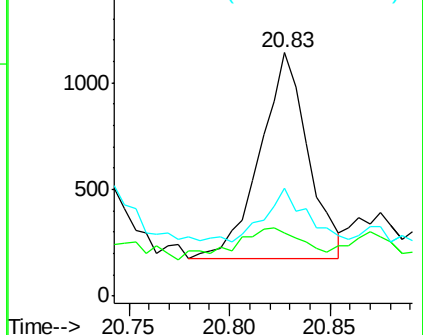
203 21.4 14.2 21.4#

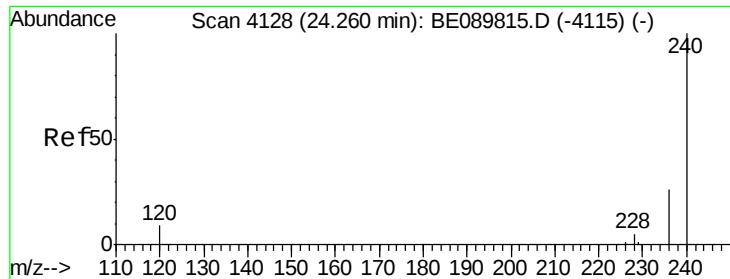


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Chrysene-d12

Concen: 5.00 ng

RT: 24.27 min Scan# 4131

Delta R.T. 0.01 min

Lab File: BE089852.D

Acq: 26 Mar 2015 00:49

Instrument :

BNA_E

ClientSampleId :

MW-1

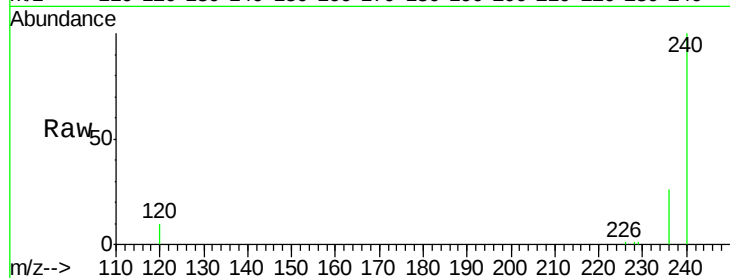
Tgt Ion:240 Resp: 33379

Ion Ratio Lower Upper

240 100

120 10.0 7.5 11.3

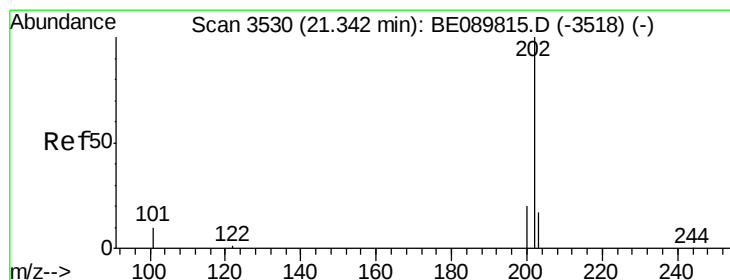
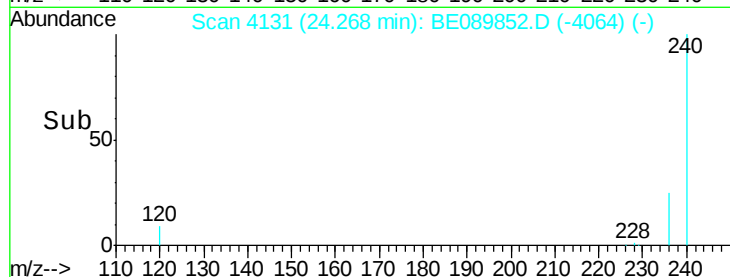
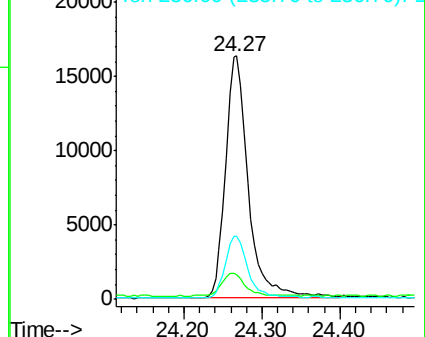
236 25.8 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#20

Pyrene

Concen: 0.70 ng

RT: 21.35 min Scan# 3532

Delta R.T. 0.00 min

Lab File: BE089852.D

Acq: 26 Mar 2015 00:49

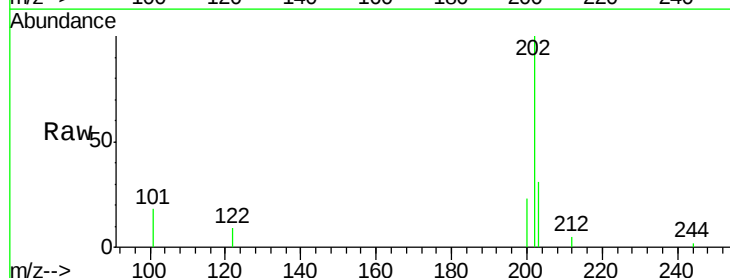
Tgt Ion:202 Resp: 5900

Ion Ratio Lower Upper

202 100

200 21.5 15.9 23.9

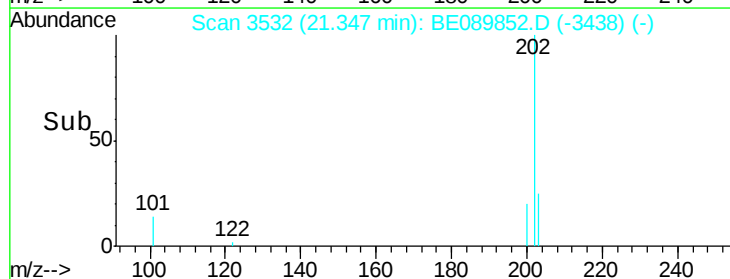
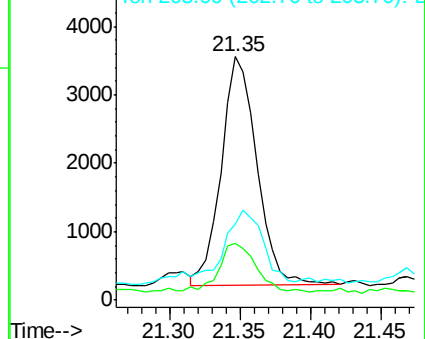
203 33.3 13.6 20.4#

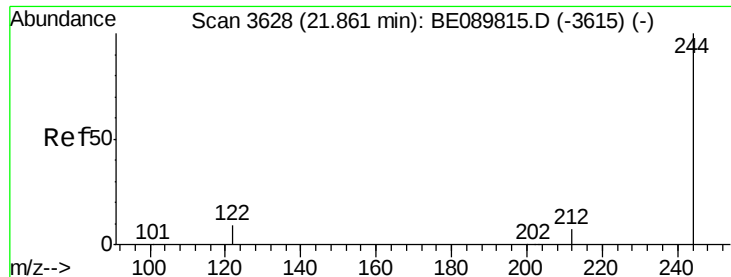


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 10.23 ng

RT: 21.87 min Scan# 3630

Delta R.T. 0.01 min

Lab File: BE089852.D

Acq: 26 Mar 2015 00:49

Instrument :

BNA_E

ClientSampleId :

MW-1

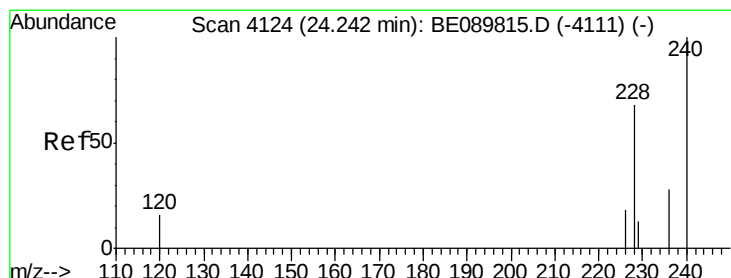
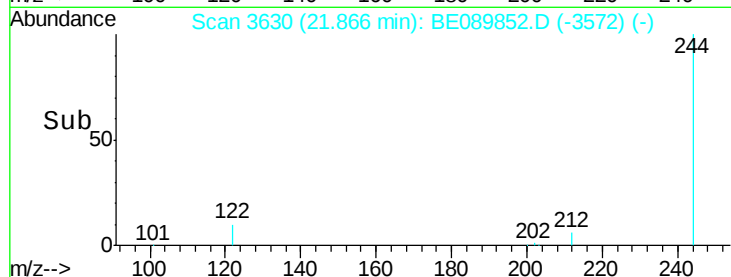
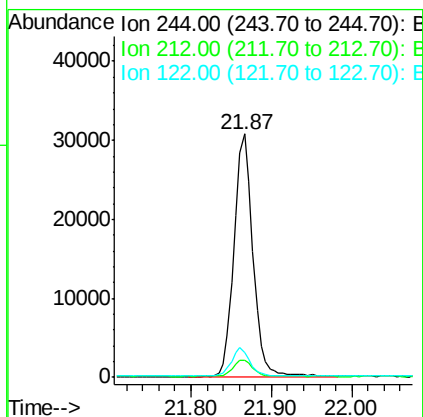
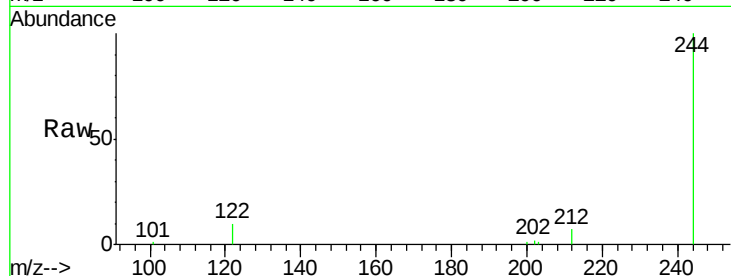
Tgt Ion:244 Resp: 50403

Ion Ratio Lower Upper

244 100

212 6.8 7.3 10.9#

122 10.2 10.5 15.7#



#22

Benzo(a)anthracene

Concen: 0.07 ng

RT: 24.25 min Scan# 4127

Delta R.T. 0.00 min

Lab File: BE089852.D

Acq: 26 Mar 2015 00:49

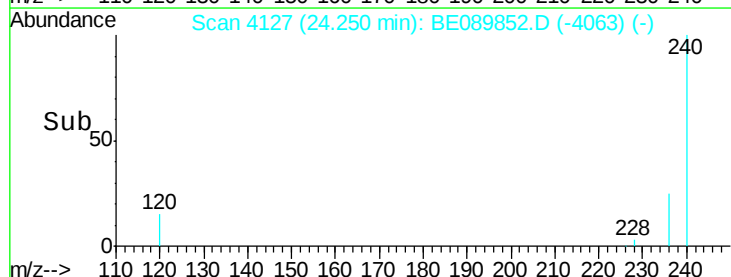
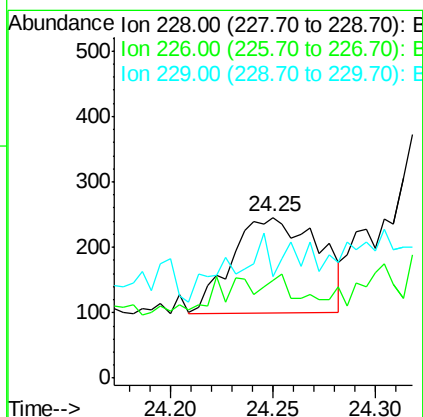
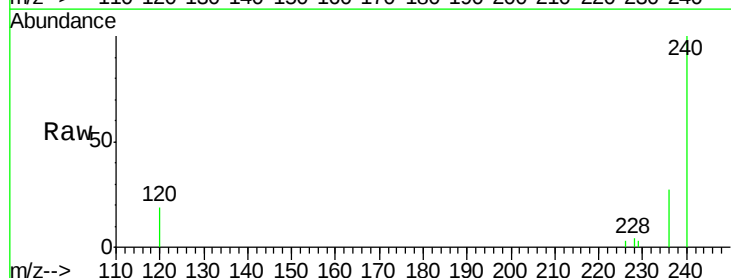
Tgt Ion:228 Resp: 431

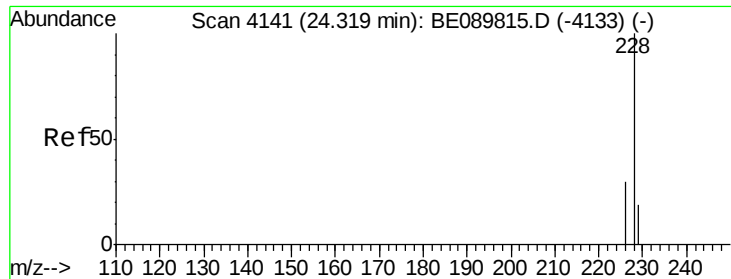
Ion Ratio Lower Upper

228 100

226 61.0 19.8 29.8#

229 63.0 16.3 24.5#





#23

Chrysene

Concen: 0.08 ng

RT: 24.32 min Scan# 4142

Delta R.T. 0.00 min

Lab File: BE089852.D

Acq: 26 Mar 2015 00:49

Instrument :

BNA_E

ClientSampleId :

MW-1

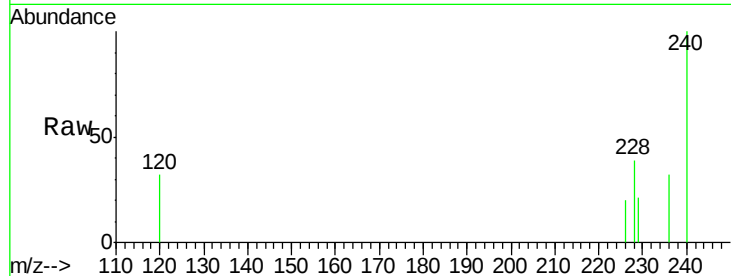
Tgt Ion:228 Resp: 549

Ion Ratio Lower Upper

228 100

226 50.8 23.0 34.4#

229 53.8 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

24.32

300

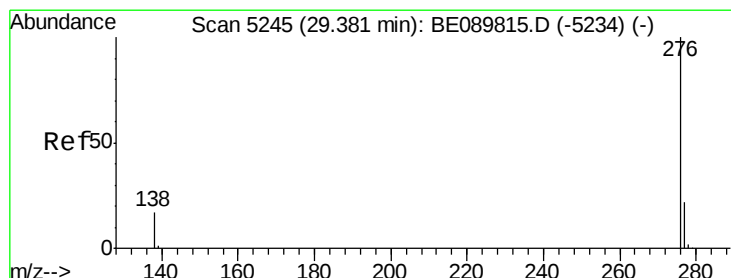
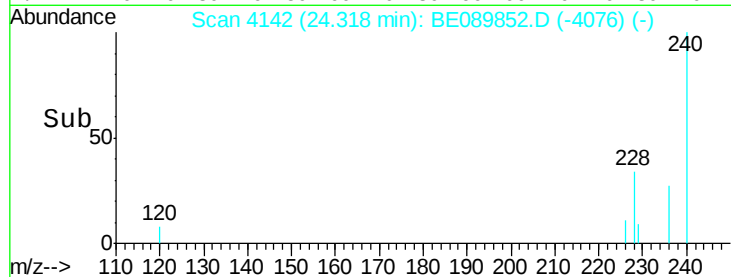
200

100

0

24.30 24.35

Time-->



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.45 ng

RT: 29.39 min Scan# 5249

Delta R.T. 0.01 min

Lab File: BE089852.D

Acq: 26 Mar 2015 00:49

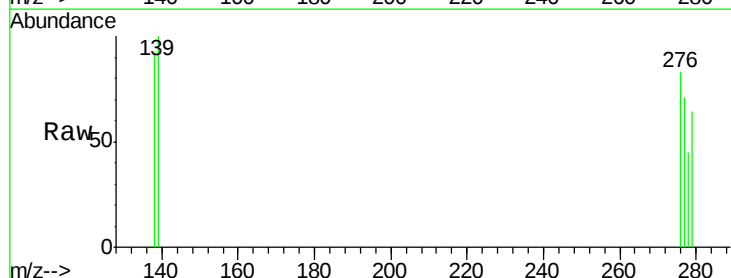
Tgt Ion:276 Resp: 171

Ion Ratio Lower Upper

276 100

138 43.9 4.3 6.5#

277 31.6 9.0 13.4#



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

29.39

250

200

150

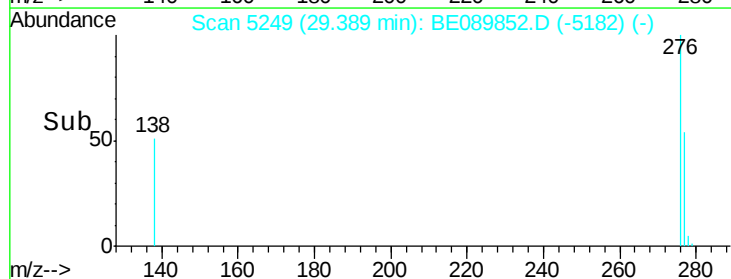
100

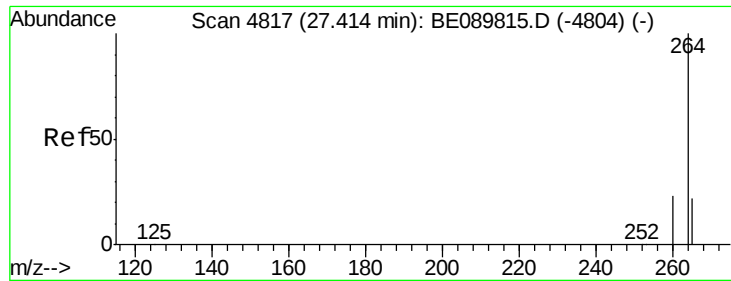
50

0

29.35 29.40

Time-->

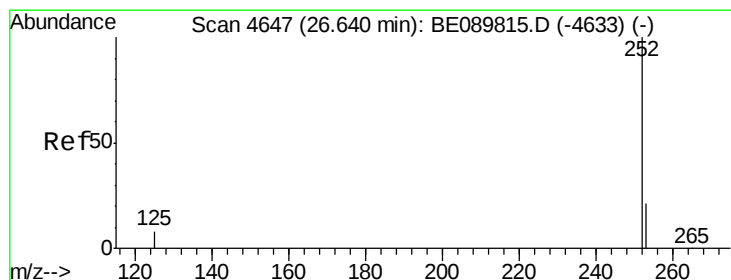
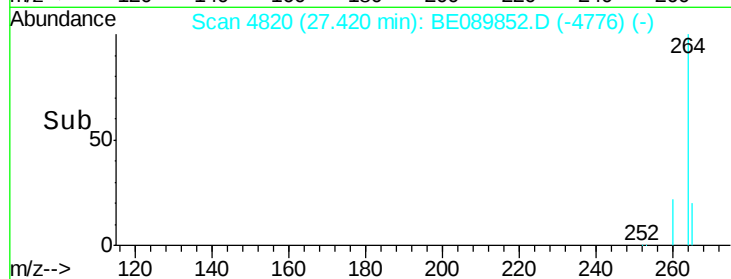
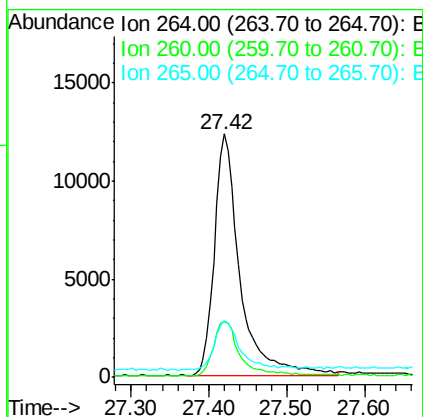
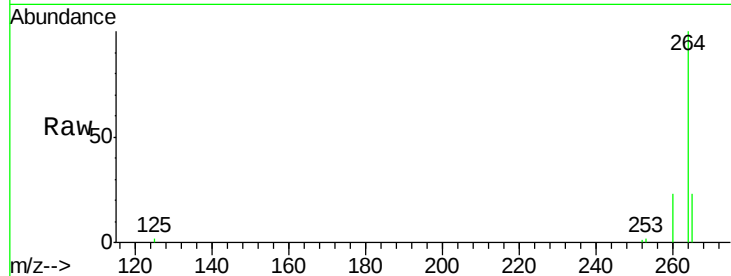




#25
Perylene-d12
 Concen: 5.00 ng
 RT: 27.42 min Scan# 4820
 Delta R.T. 0.01 min
 Lab File: BE089852.D
 Acq: 26 Mar 2015 00:49

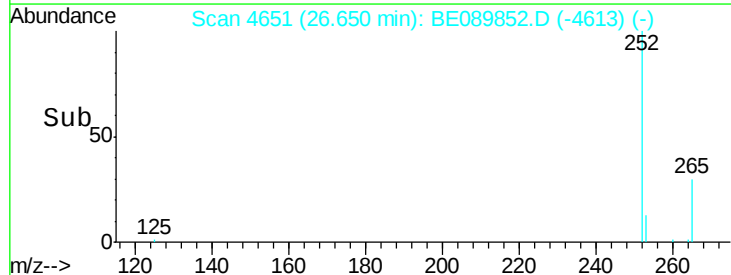
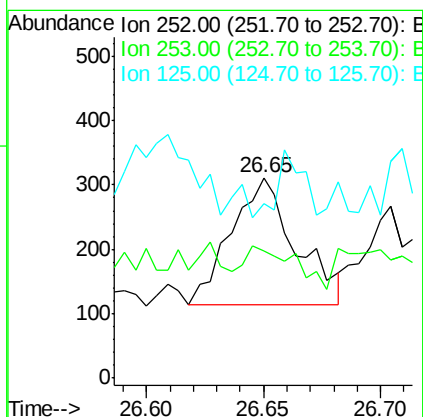
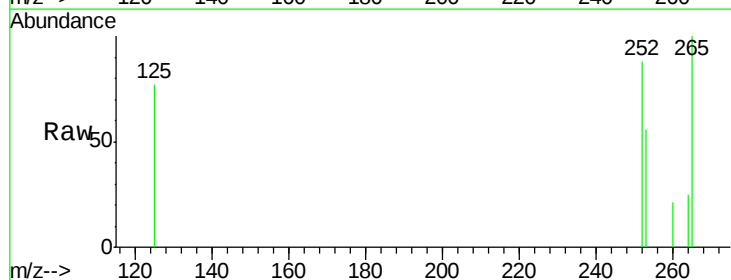
Instrument :
 BNA_E
 ClientSampleId :
 MW-1

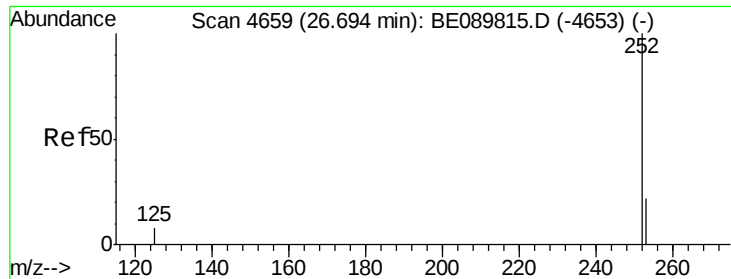
Tgt Ion: 264 Resp: 27985
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.2 27.2
 265 23.4 17.3 25.9



#26
Benzo(b)fluoranthene
 Concen: 0.37 ng
 RT: 26.65 min Scan# 4651
 Delta R.T. 0.01 min
 Lab File: BE089852.D
 Acq: 26 Mar 2015 00:49

Tgt Ion: 252 Resp: 376
 Ion Ratio Lower Upper
 252 100
 253 63.7 17.8 26.6#
 125 87.1 8.7 13.1#

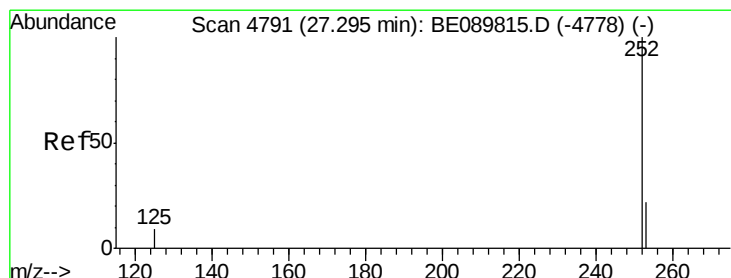
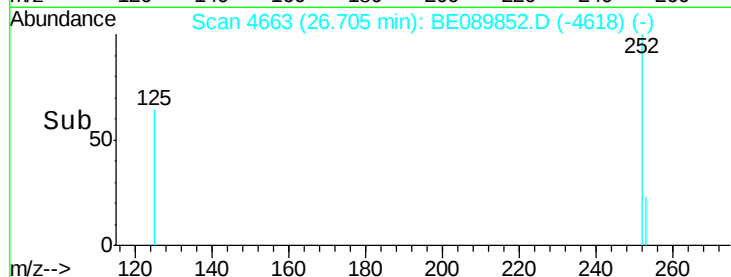
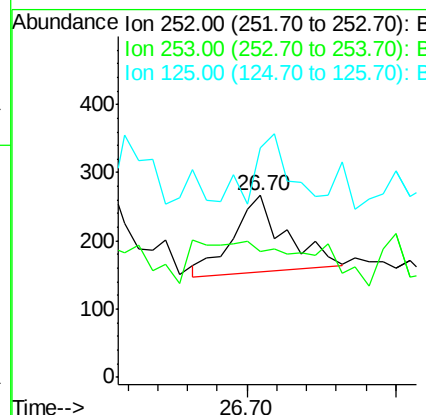
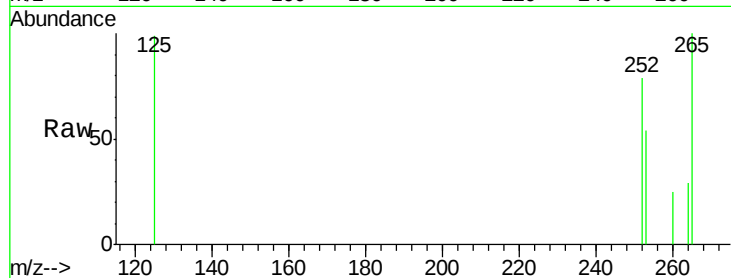




#27
Benzo(k)fluoranthene
Concen: 0.02 ng
RT: 26.70 min Scan# 4663
Delta R.T. 0.01 min
Lab File: BE089852.D
Acq: 26 Mar 2015 00:49

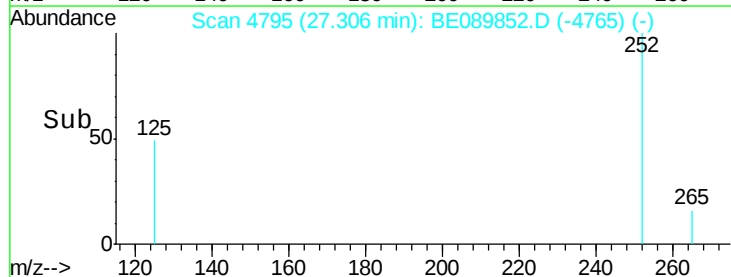
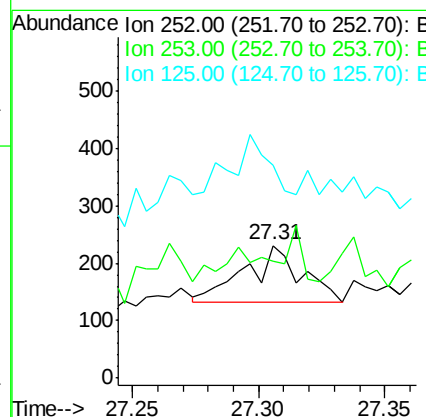
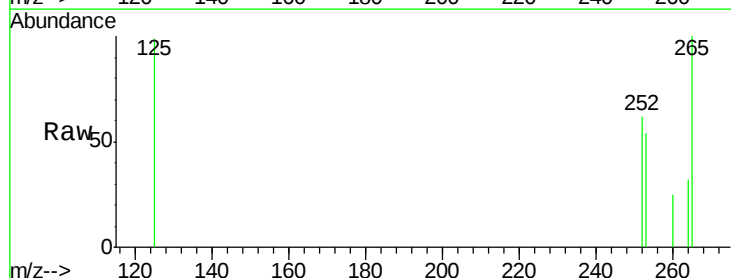
Instrument :
BNA_E
ClientSampleId :
MW-1

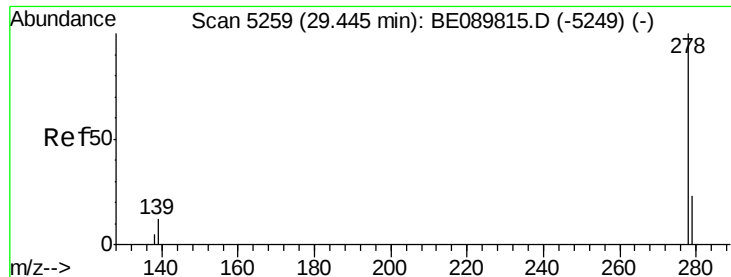
Tgt Ion: 252 Resp: 136
Ion Ratio Lower Upper
252 100
253 68.9 18.6 28.0#
125 125.8 10.8 16.2#



#28
Benzo(a)pyrene
Concen: 0.32 ng
RT: 27.31 min Scan# 4795
Delta R.T. 0.01 min
Lab File: BE089852.D
Acq: 26 Mar 2015 00:49

Tgt Ion: 252 Resp: 153
Ion Ratio Lower Upper
252 100
253 87.9 21.0 31.4#
125 160.2 13.3 19.9#





#29

Dibenzo(a,h)anthracene

Concen: 0.28 ng

RT: 29.45 min Scan# 5263

Delta R.T. 0.01 min

Lab File: BE089852.D

Acq: 26 Mar 2015 00:49

Instrument :

BNA_E

ClientSampleId :

MW-1

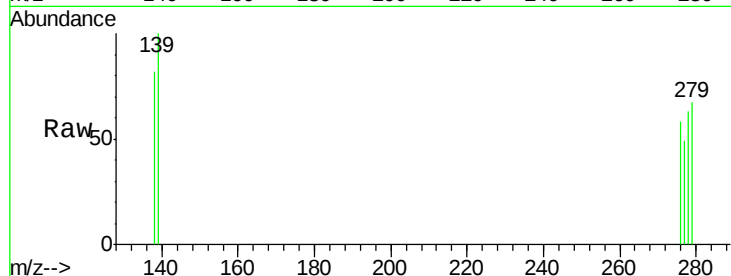
Tgt Ion: 278 Resp: 88

Ion Ratio Lower Upper

278 100

139 157.6 20.0 30.0#

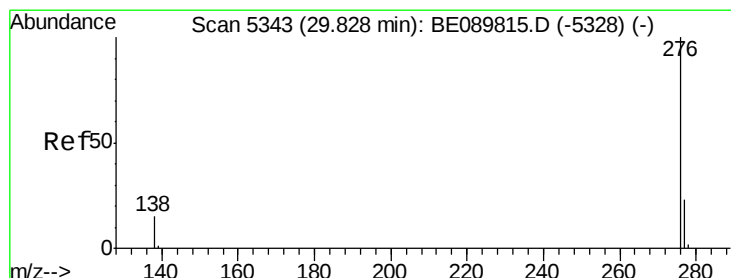
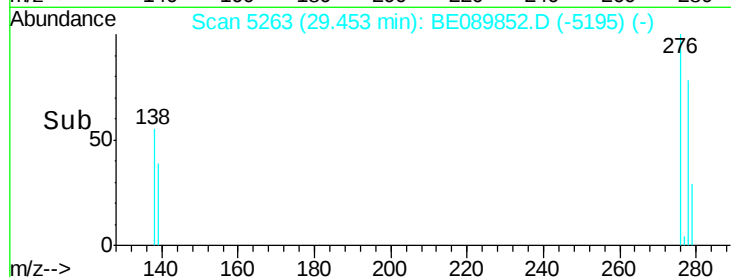
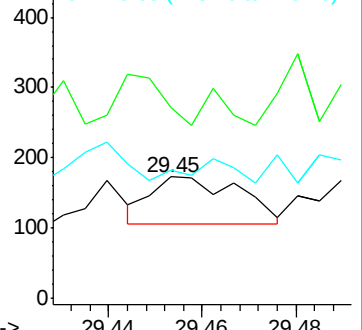
279 105.8 28.9 43.3#



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



#30

Benzo(g,h,i)perylene

Concen: 0.31 ng

RT: 29.84 min Scan# 5348

Delta R.T. 0.02 min

Lab File: BE089852.D

Acq: 26 Mar 2015 00:49

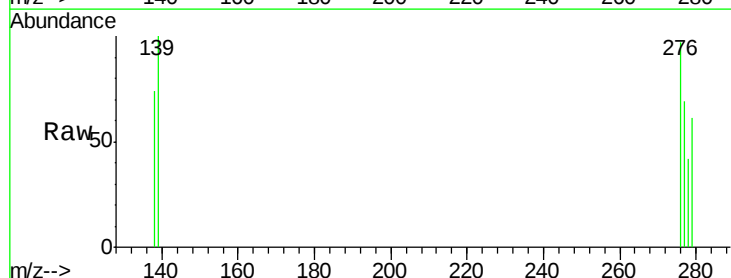
Tgt Ion: 276 Resp: 344

Ion Ratio Lower Upper

276 100

277 71.9 19.2 28.8#

138 76.2 22.9 34.3#



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

