

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089550.D
 Acq On : 7 Feb 2015 7:25
 Operator : TP/IZ
 Sample : G1238-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW3

Quant Time: Feb 09 00:14:11 2015
 Quant Method : Z:\HPCHEM1\BNA_E\methods\SIMPAH-BE020615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 07 04:07:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.42	152	30946	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	115652	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	45897	5.00	ng	0.00
11) Phenanthrene-d10	19.85	188	84805	5.00	ng	0.00
16) Chrysene-d12	23.72	240	101016	5.00	ng	0.00
22) Perylene-d12	25.41	264	112481	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.69	82	57905	7.54	ng	0.00
7) 2-Fluorobiphenyl	14.96	172	96269	7.86	ng	0.00
18) Terphenyl-d14	22.36	244	122556	9.20	ng	0.00

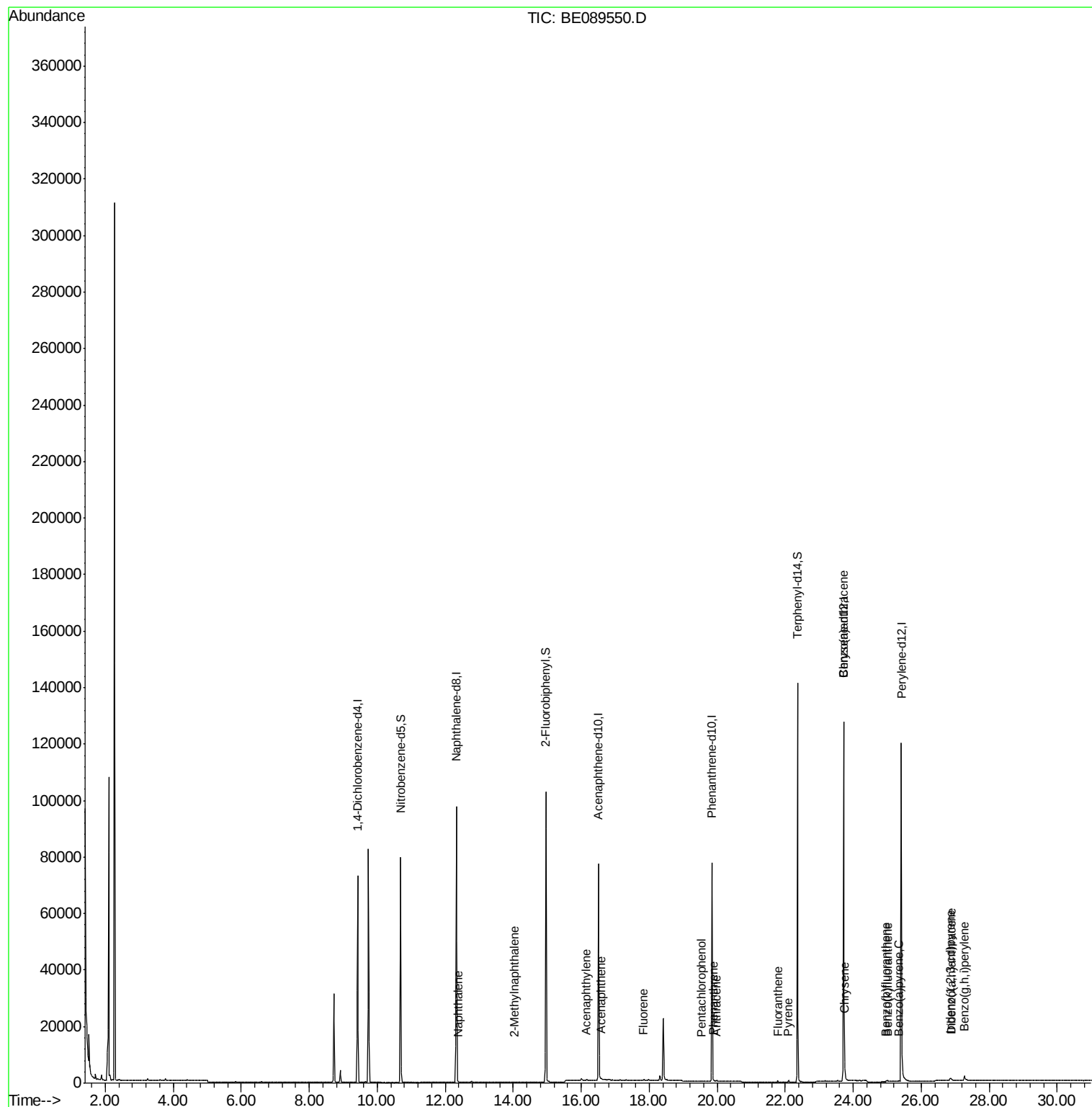
Target Compounds						Qvalue
4) Naphthalene	12.38	128	274	0.01	ng	# 38
5) 2-Methylnaphthalene	14.03	142	118	0.01	ng	# 66
8) Acenaphthylene	16.16	152	601	0.01	ng	# 94
9) Acenaphthene	16.59	154	136	0.01	ng	# 10
10) Fluorene	17.84	166	170	0.01	ng	# 92
12) Pentachlorophenol	19.52	266	7	0.54	ng	# 70
13) Phenanthrene	19.89	178	421	0.02	ng	# 92
14) Anthracene	19.98	178	243	0.01	ng	# 77
15) Fluoranthene	21.79	202	419	0.02	ng	# 93
17) Pyrene	22.10	202	480	0.02	ng	# 96
19) Benzo(a)anthracene	23.71	228	3200	0.04	ng	# 89
20) Chrysene	23.75	228	3084	0.03	ng	# 86
21) Indeno(1,2,3-cd)pyrene	26.85	276	2494	0.02	ng	# 77
23) Benzo(b)fluoranthene	24.97	252	434	0.02	ng	# 57
24) Benzo(k)fluoranthene	25.00	252	609	0.02	ng	# 60
25) Benzo(a)pyrene	25.35	252	409	0.02	ng	# 40
26) Dibenzo(a,h)anthracene	26.88	278	467	0.02	ng	# 53
27) Benzo(g,h,i)perylene	27.27	276	3371	0.03	ng	# 73

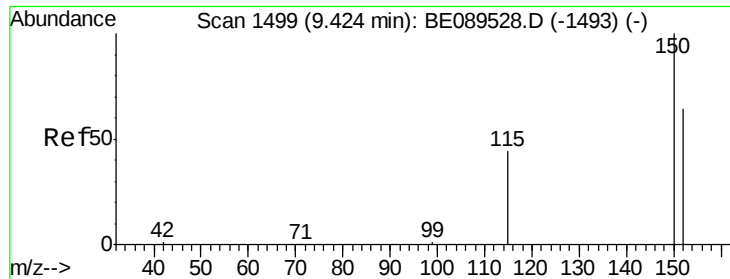
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.42 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BE089550.D

Acq: 7 Feb 2015 7:25

Instrument :

BNA_E

ClientSampleId :

MW3

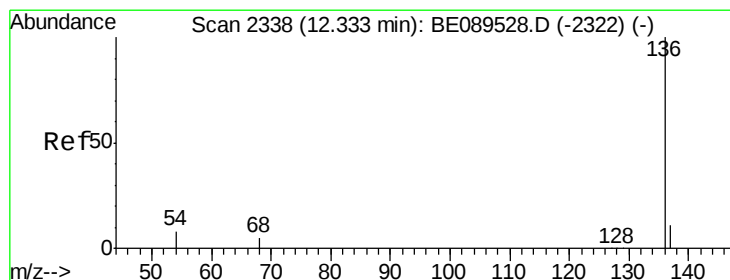
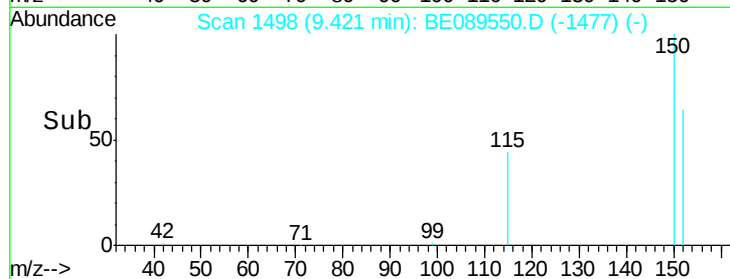
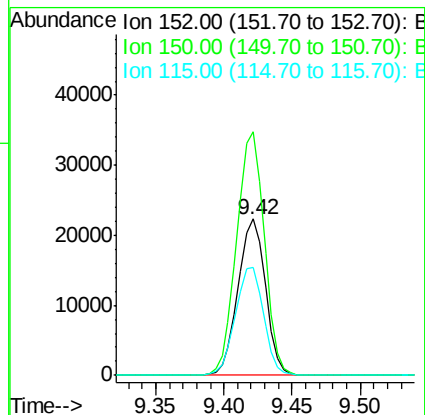
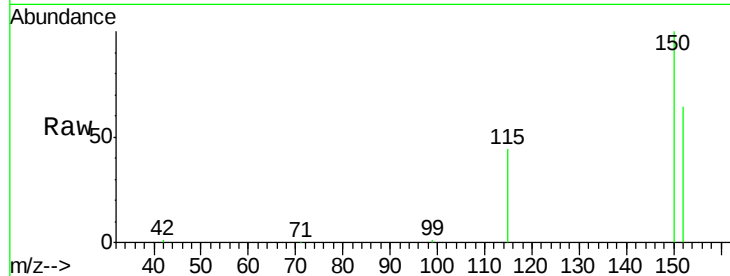
Tgt Ion:152 Resp: 30946

Ion Ratio Lower Upper

152 100

150 155.8 125.7 188.5

115 68.8 55.6 83.4



#2

Naphthalene-d8

Concen: 5.00 ng

RT: 12.33 min Scan# 2337

Delta R.T. -0.01 min

Lab File: BE089550.D

Acq: 7 Feb 2015 7:25

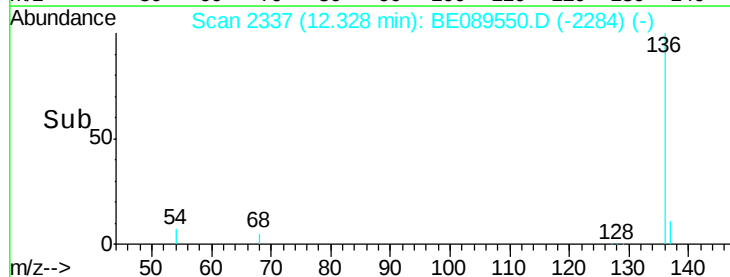
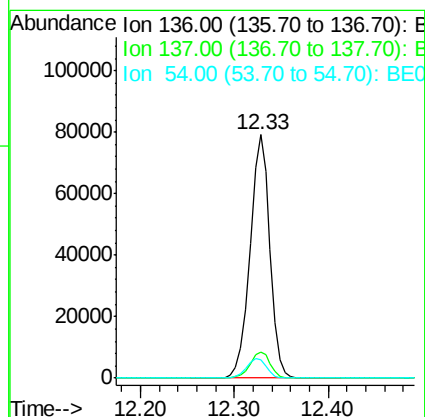
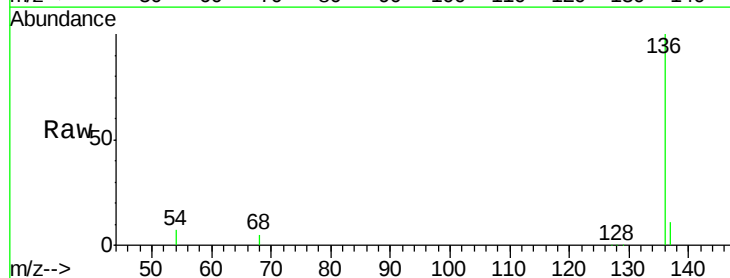
Tgt Ion:136 Resp: 115652

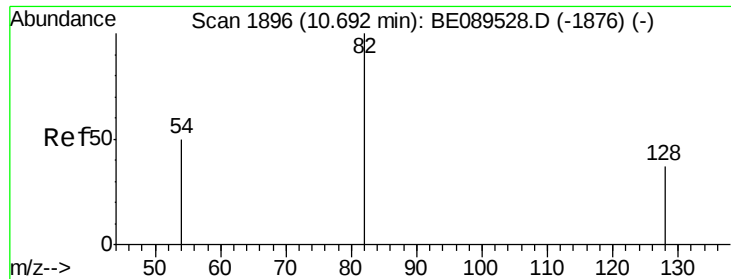
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 7.4 6.1 9.1





#3

Nitrobenzene-d5

Concen: 7.54 ng

RT: 10.69 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BE089550.D

Acq: 7 Feb 2015 7:25

Instrument :

BNA_E

ClientSampleId :

MW3

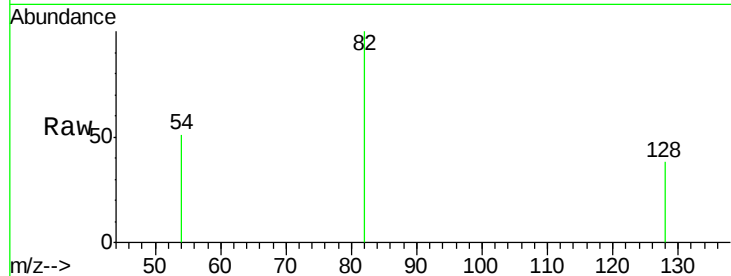
Tgt Ion: 82 Resp: 57905

Ion Ratio Lower Upper

82 100

128 38.2 30.2 45.4

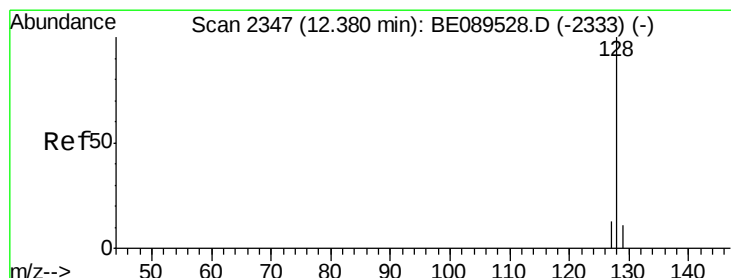
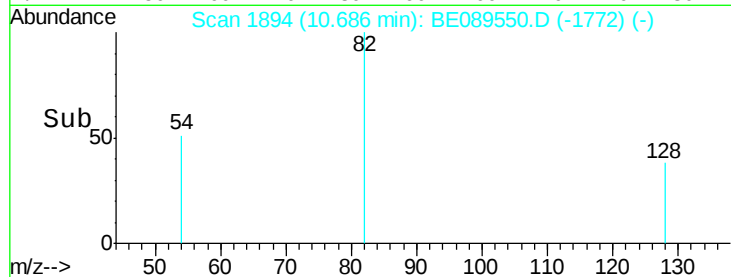
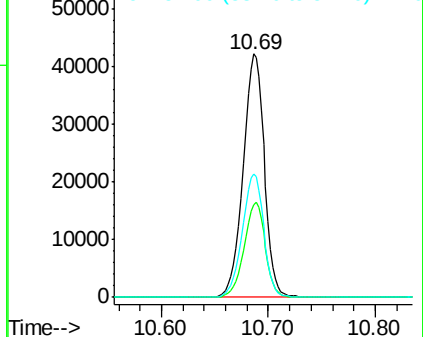
54 50.9 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BE089550.D (-1772) (-)

Ion 128.00 (127.70 to 128.70): BE089550.D (-1772) (-)

Ion 54.00 (53.70 to 54.70): BE089550.D (-1772) (-)



#4

Naphthalene

Concen: 0.01 ng

RT: 12.38 min Scan# 2346

Delta R.T. -0.01 min

Lab File: BE089550.D

Acq: 7 Feb 2015 7:25

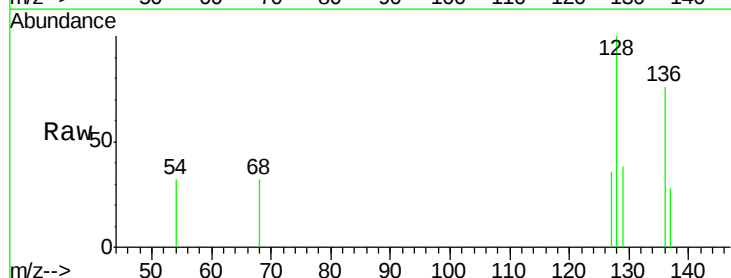
Tgt Ion: 128 Resp: 274

Ion Ratio Lower Upper

128 100

129 37.6 9.1 13.7#

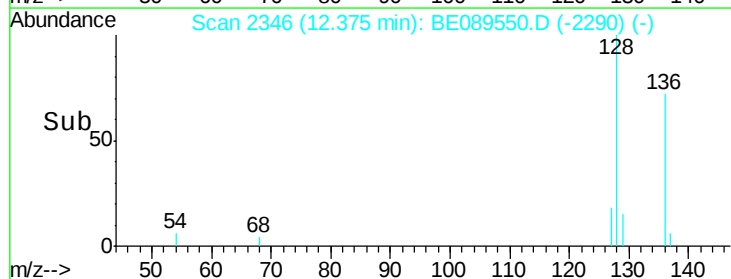
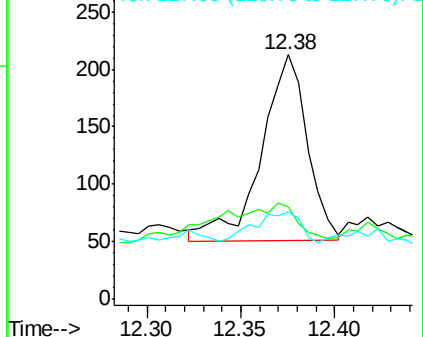
127 35.7 10.5 15.7#

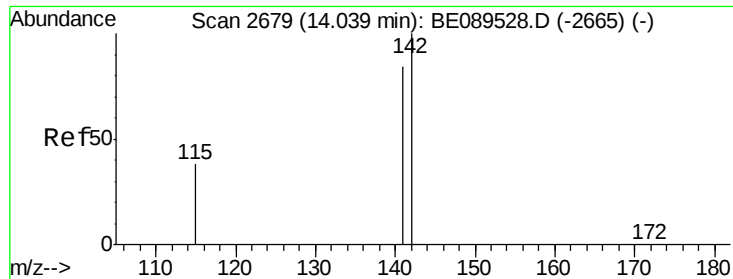


Abundance Ion 128.00 (127.70 to 128.70): BE089550.D (-2290) (-)

Ion 129.00 (128.70 to 129.70): BE089550.D (-2290) (-)

Ion 127.00 (126.70 to 127.70): BE089550.D (-2290) (-)





#5

2-Methylnaphthalene

Concen: 0.01 ng

RT: 14.03 min Scan# 2677

Delta R.T. -0.01 min

Lab File: BE089550.D

Acq: 7 Feb 2015 7:25

Instrument :

BNA_E

ClientSampleId :

MW3

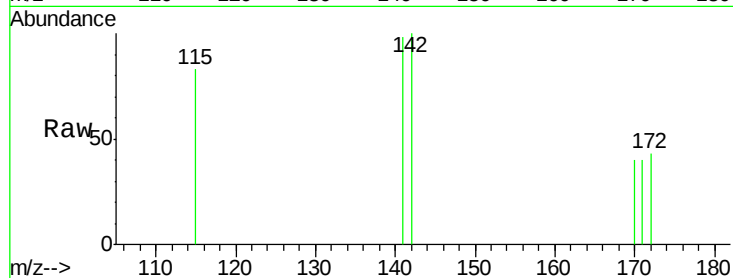
Tgt Ion:142 Resp: 118

Ion Ratio Lower Upper

142 100

141 98.3 67.0 100.6

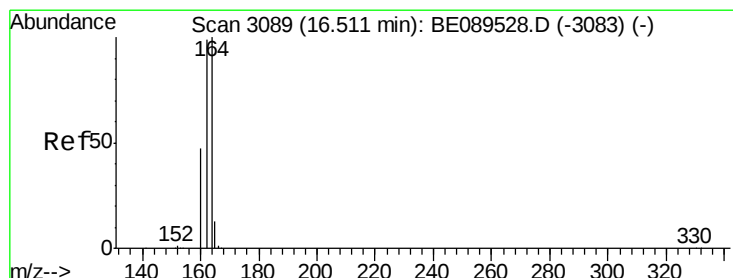
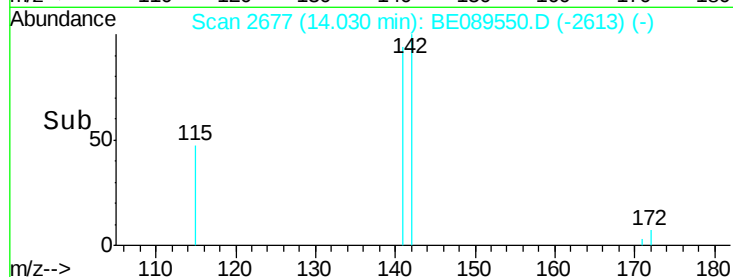
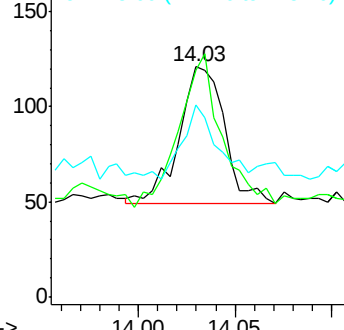
115 83.5 30.6 45.8#



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



#6

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.51 min Scan# 3089

Delta R.T. -0.00 min

Lab File: BE089550.D

Acq: 7 Feb 2015 7:25

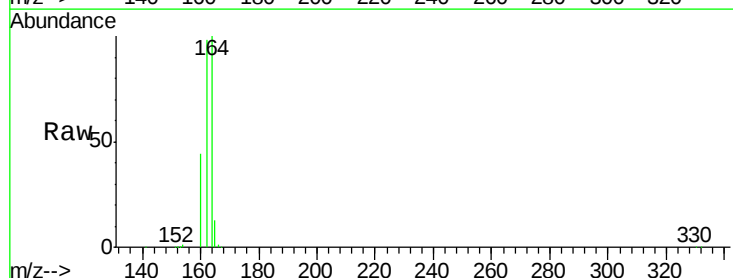
Tgt Ion:164 Resp: 45897

Ion Ratio Lower Upper

164 100

162 98.0 79.5 119.3

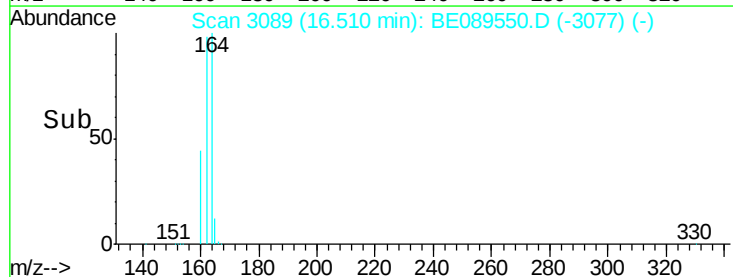
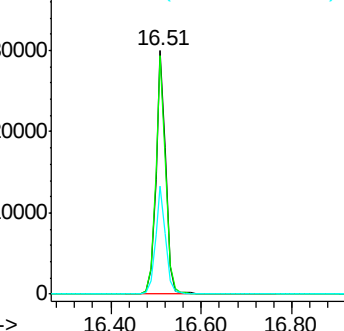
160 44.4 37.6 56.4

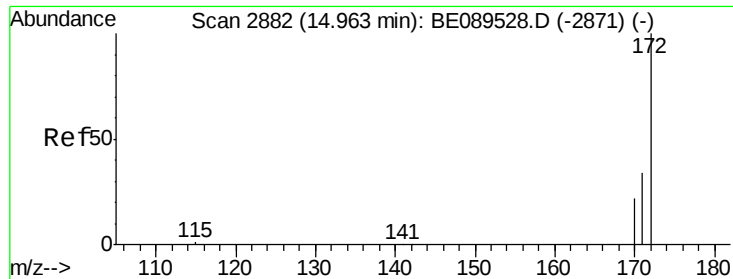


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 7.86 ng

RT: 14.96 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BE089550.D

Acq: 7 Feb 2015 7:25

Instrument :

BNA_E

ClientSampleId :

MW3

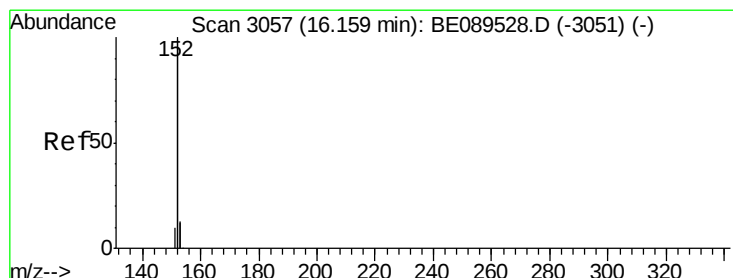
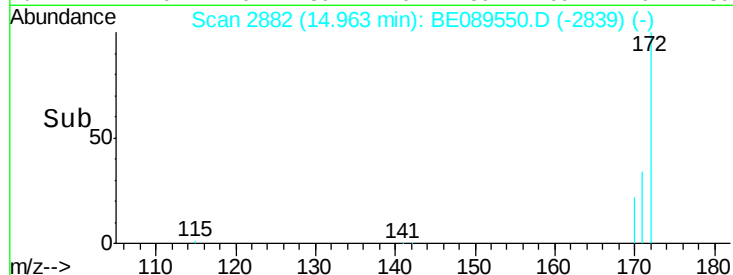
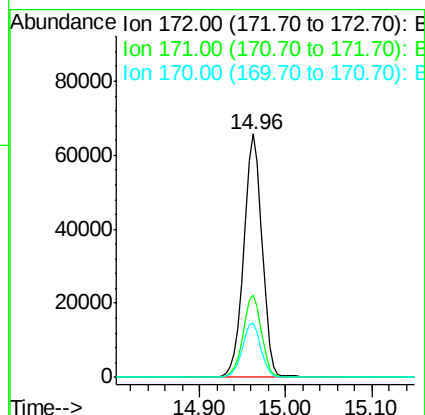
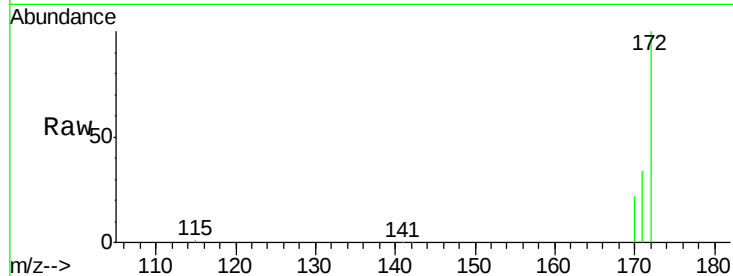
Tgt Ion:172 Resp: 96269

Ion Ratio Lower Upper

172 100

171 33.7 27.7 41.5

170 22.3 18.3 27.5



#8

Acenaphthylene

Concen: 0.01 ng

RT: 16.16 min Scan# 3057

Delta R.T. -0.00 min

Lab File: BE089550.D

Acq: 7 Feb 2015 7:25

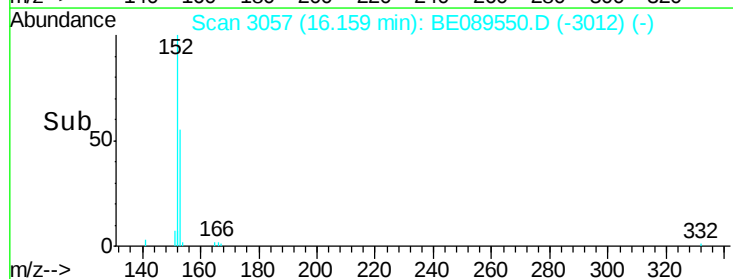
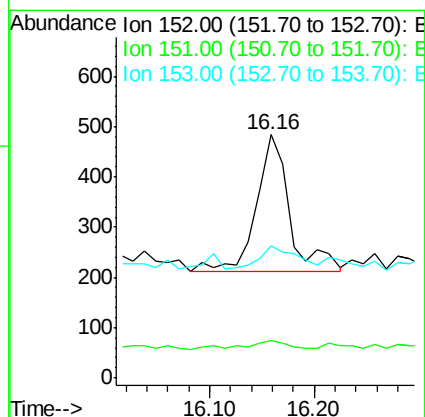
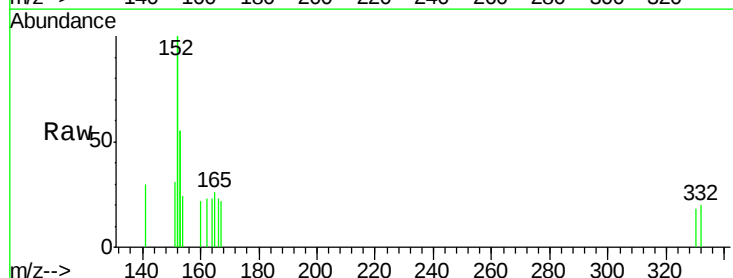
Tgt Ion:152 Resp: 601

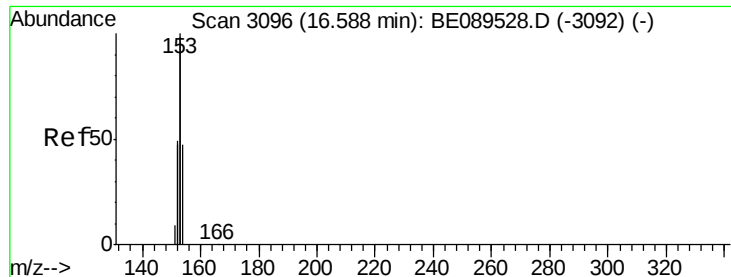
Ion Ratio Lower Upper

152 100

151 5.0 4.0 6.0

153 16.5 10.6 15.8#





#9

Acenaphthene

Concen: 0.01 ng

RT: 16.59 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BE089550.D

Acq: 7 Feb 2015 7:25

Instrument :

BNA_E

ClientSampleId :

MW3

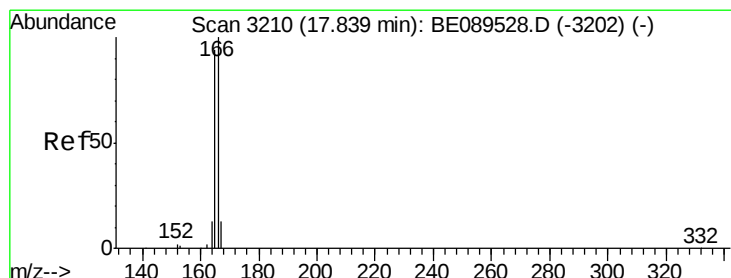
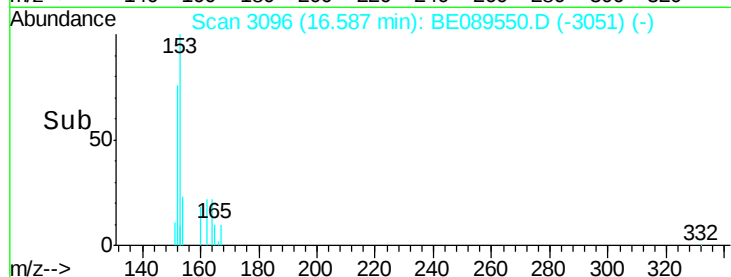
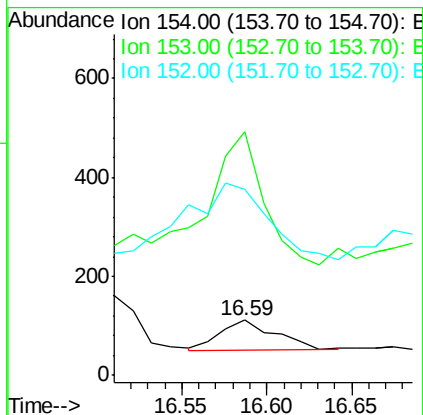
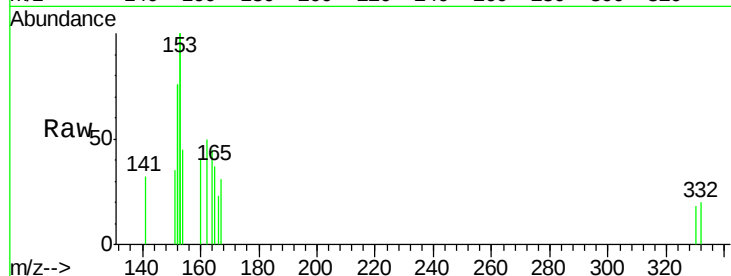
Tgt Ion:154 Resp: 136

Ion Ratio Lower Upper

154 100

153 614.0 340.8 511.2#

152 390.4 165.5 248.3#



#10

Fluorene

Concen: 0.01 ng

RT: 17.84 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE089550.D

Acq: 7 Feb 2015 7:25

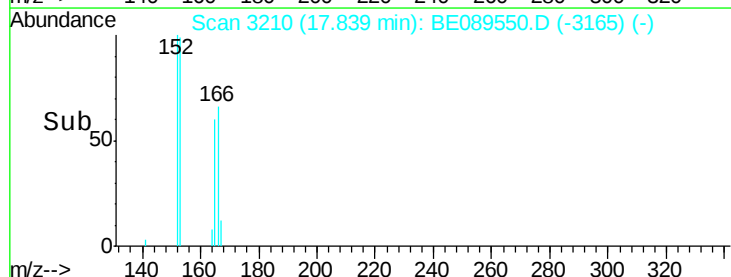
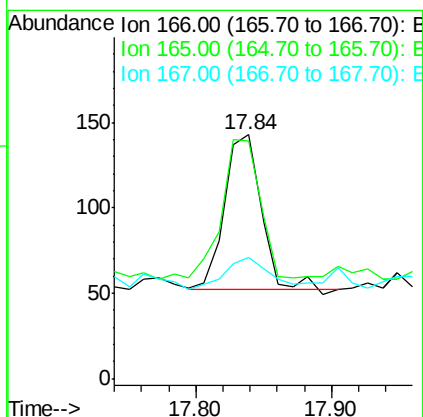
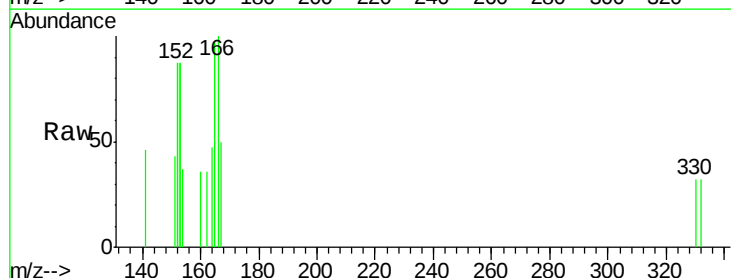
Tgt Ion:166 Resp: 170

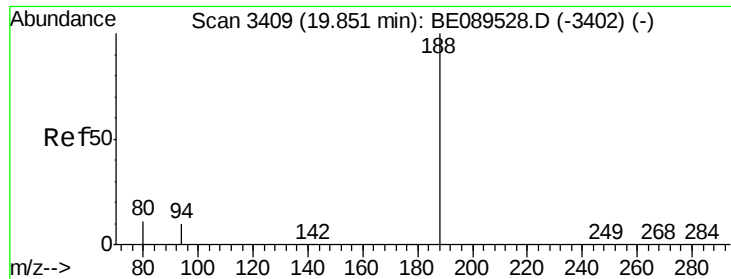
Ion Ratio Lower Upper

166 100

165 97.1 75.5 113.3

167 30.0 10.9 16.3#

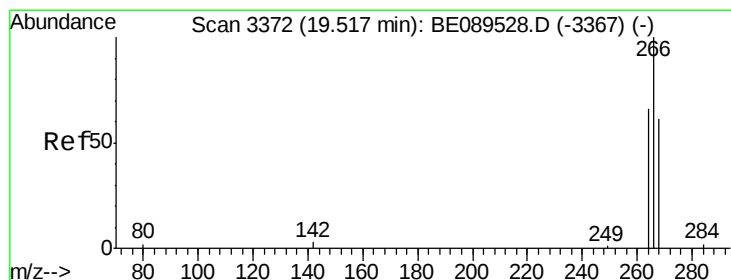
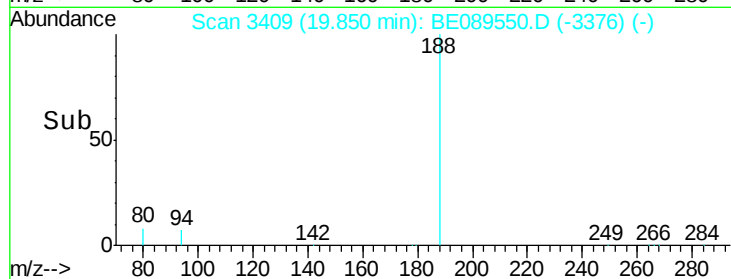
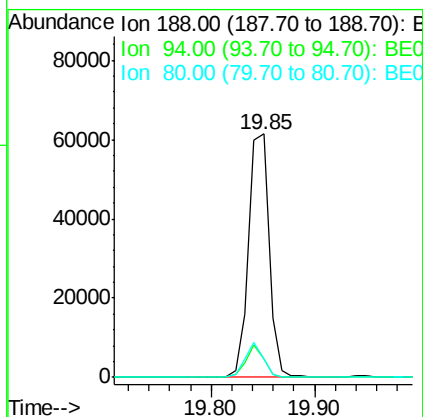
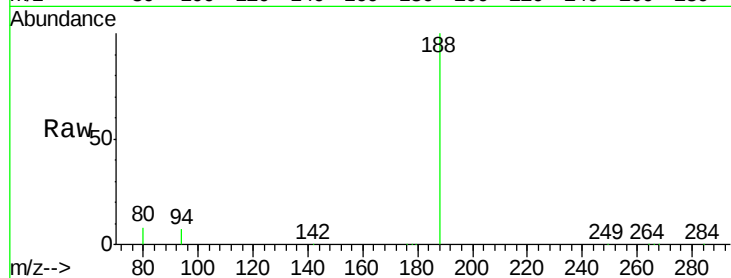




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.85 min Scan# 3409
Delta R.T. -0.00 min
Lab File: BE089550.D
Acq: 7 Feb 2015 7:25

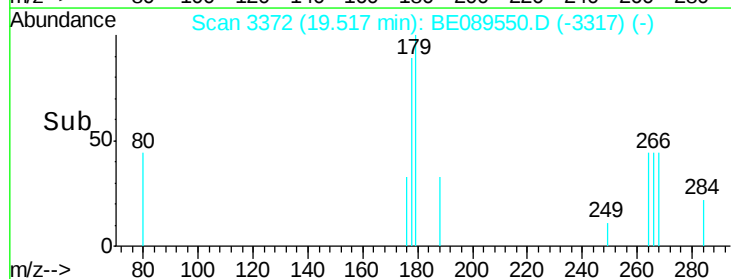
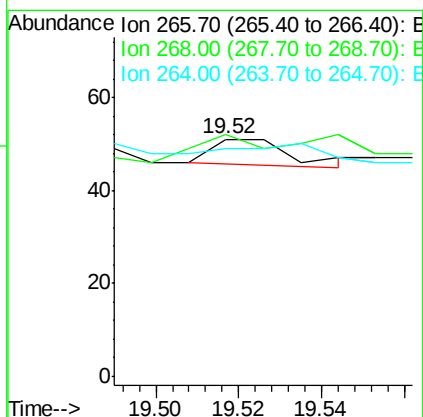
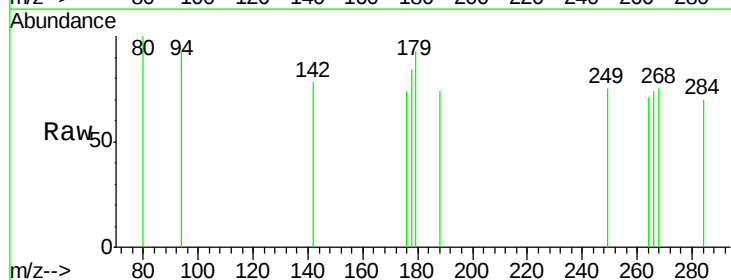
Instrument :
BNA_E
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MW3

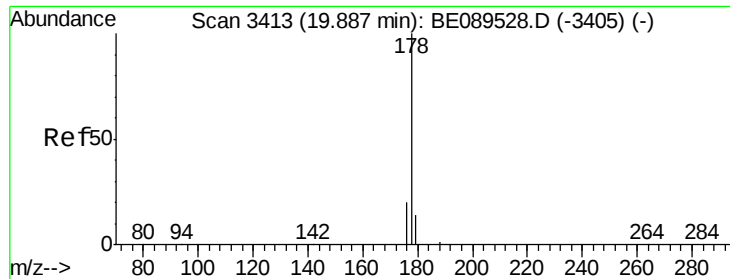
Tgt Ion:188 Resp: 84805
Ion Ratio Lower Upper
188 100
94 7.3 8.4 12.6#
80 7.6 8.6 12.8#



#12
Pentachlorophenol
Concen: 0.54 ng
RT: 19.52 min Scan# 3372
Delta R.T. -0.00 min
Lab File: BE089550.D
Acq: 7 Feb 2015 7:25

Tgt Ion:266 Resp: 7
Ion Ratio Lower Upper
266 100
268 102.0 57.9 86.9#
264 96.1 60.2 90.4#





#13

Phenanthrene

Concen: 0.02 ng

RT: 19.89 min Scan# 3413

Delta R.T. -0.00 min

Lab File: BE089550.D

Acq: 7 Feb 2015 7:25

Instrument :

BNA_E

ClientSampleId :

MW3

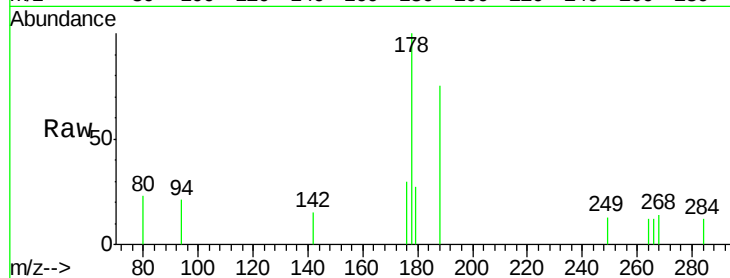
Tgt Ion:178 Resp: 421

Ion Ratio Lower Upper

178 100

176 23.3 15.4 23.0#

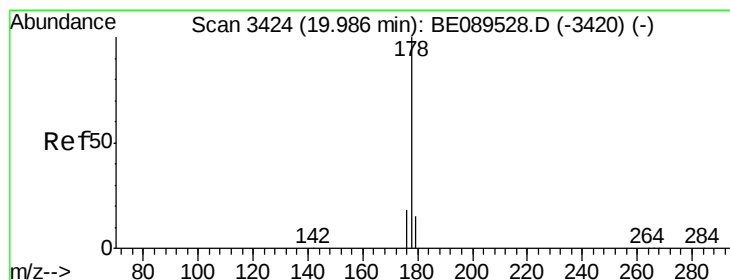
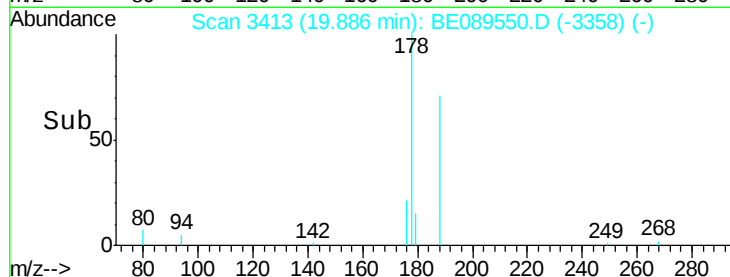
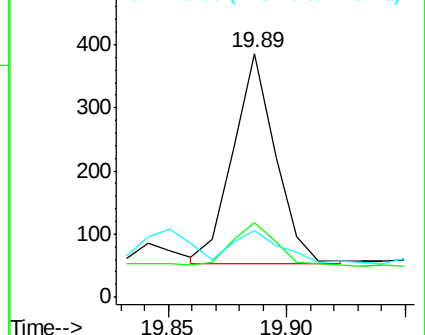
179 18.3 12.2 18.2#



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



#14

Anthracene

Concen: 0.01 ng

RT: 19.98 min Scan# 3423

Delta R.T. -0.01 min

Lab File: BE089550.D

Acq: 7 Feb 2015 7:25

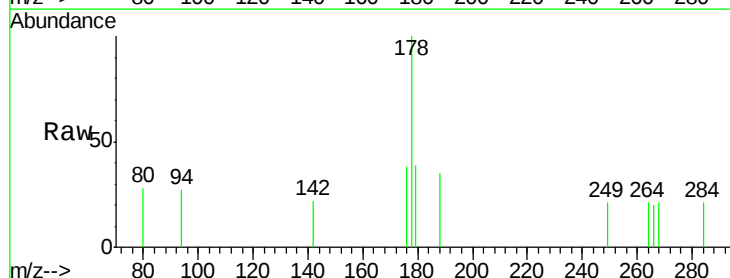
Tgt Ion:178 Resp: 243

Ion Ratio Lower Upper

178 100

176 23.9 14.5 21.7#

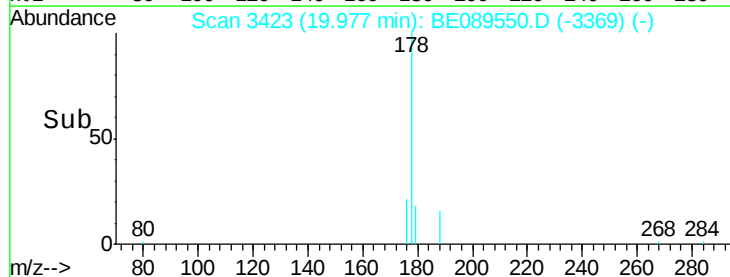
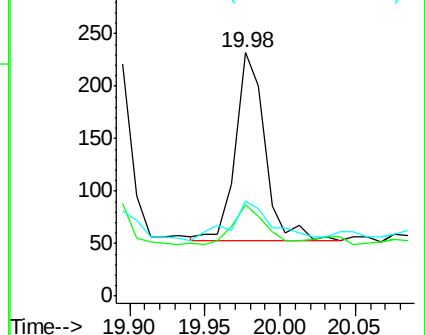
179 30.0 12.2 18.2#

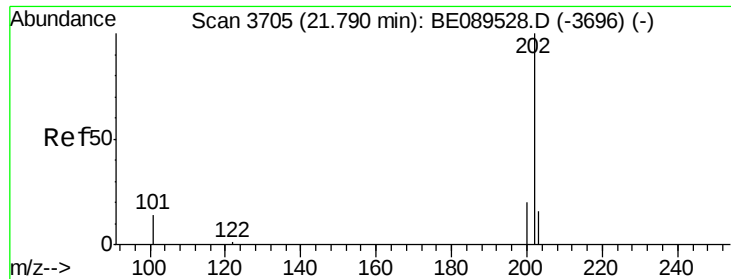


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

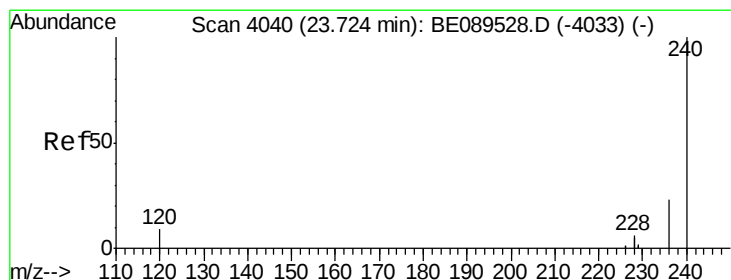
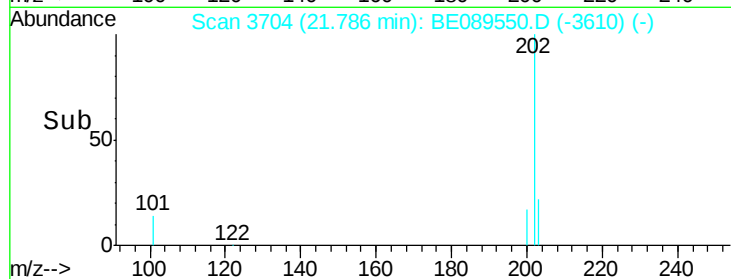
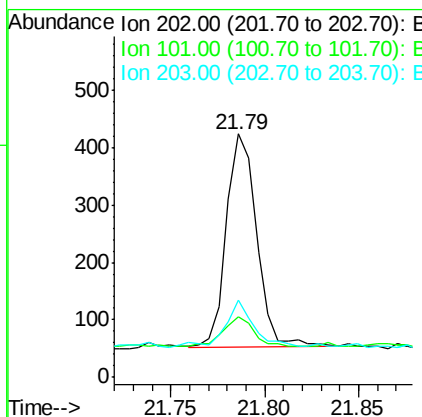
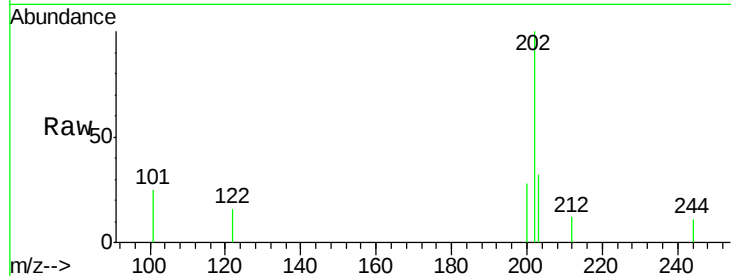




#15
 Fluoranthene
 Concen: 0.02 ng
 RT: 21.79 min Scan# 3704
 Delta R.T. -0.00 min
 Lab File: BE089550.D
 Acq: 7 Feb 2015 7:25

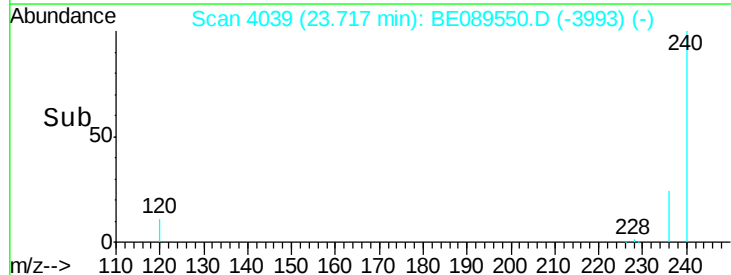
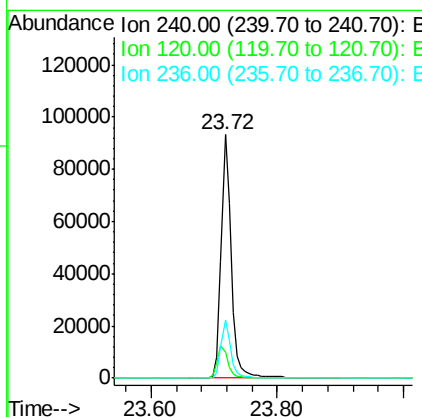
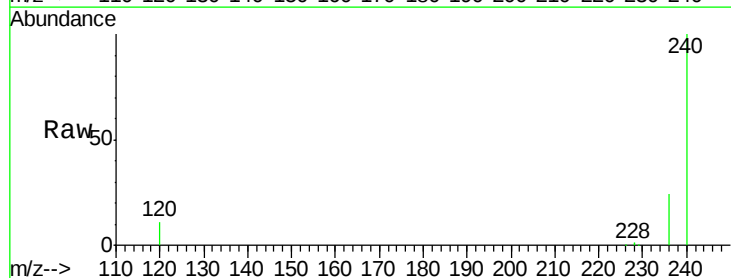
Instrument :
 BNA_E
 ClientSampleId :
 MW3

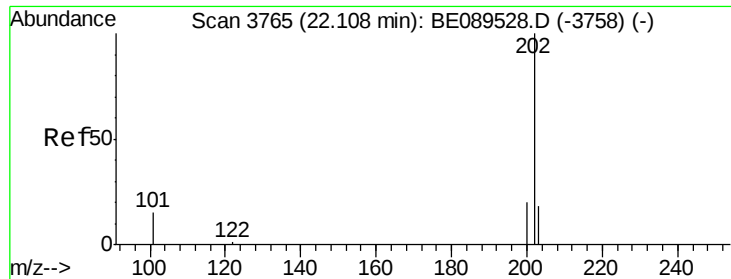
Tgt Ion: 202 Resp: 419
 Ion Ratio Lower Upper
 202 100
 101 13.8 11.6 17.4
 203 22.2 13.6 20.4#



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.72 min Scan# 4039
 Delta R.T. -0.01 min
 Lab File: BE089550.D
 Acq: 7 Feb 2015 7:25

Tgt Ion: 240 Resp: 101016
 Ion Ratio Lower Upper
 240 100
 120 10.6 7.2 10.8
 236 23.7 18.5 27.7

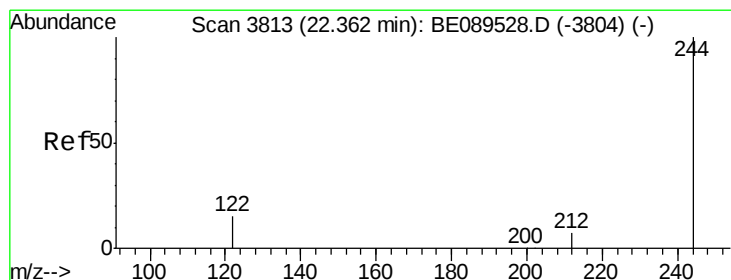
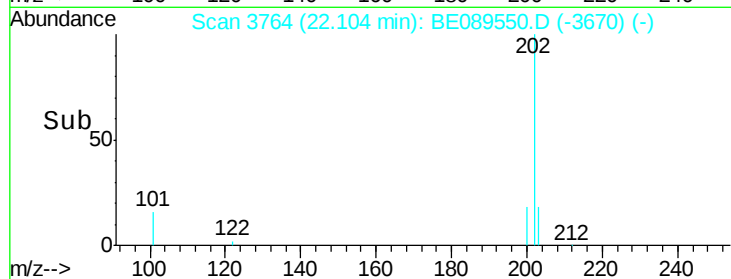
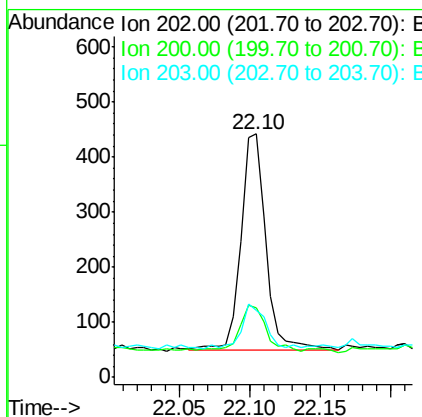
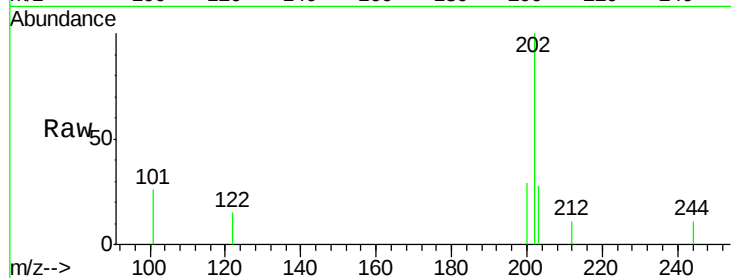




#17
 Pyrene
 Concen: 0.02 ng
 RT: 22.10 min Scan# 3764
 Delta R.T. -0.00 min
 Lab File: BE089550.D
 Acq: 7 Feb 2015 7:25

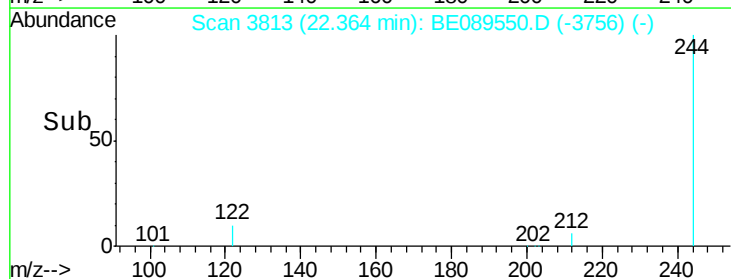
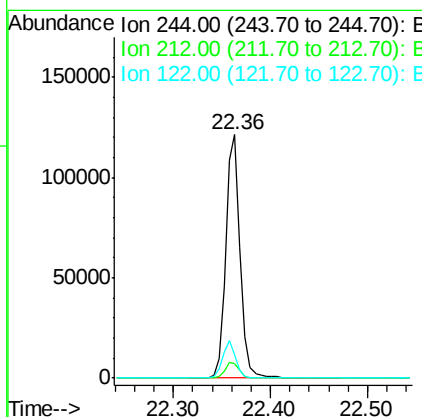
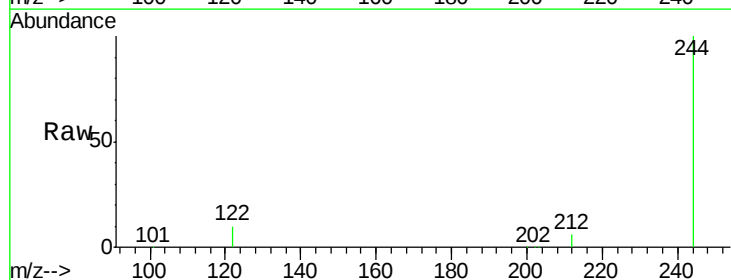
Instrument :
 BNA_E
 ClientSampleId :
 MW3

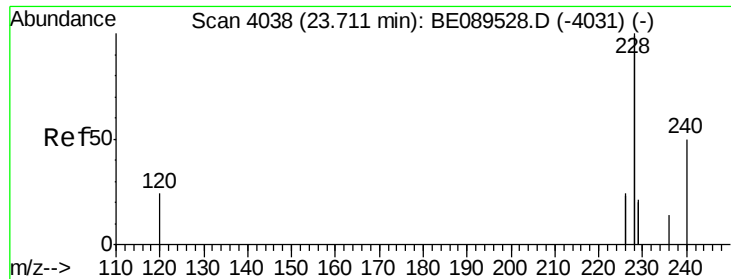
Tgt Ion: 202 Resp: 480
 Ion Ratio Lower Upper
 202 100
 200 22.3 16.3 24.5
 203 19.0 13.5 20.3



#18
 Terphenyl-d14
 Concen: 9.20 ng
 RT: 22.36 min Scan# 3813
 Delta R.T. 0.00 min
 Lab File: BE089550.D
 Acq: 7 Feb 2015 7:25

Tgt Ion: 244 Resp: 122556
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.8 8.8
 122 9.8 12.6 19.0#





#19

Benzo(a)anthracene

Concen: 0.04 ng

RT: 23.71 min Scan# 4038

Delta R.T. -0.00 min

Lab File: BE089550.D

Acq: 7 Feb 2015 7:25

Instrument :

BNA_E

ClientSampleId :

MW3

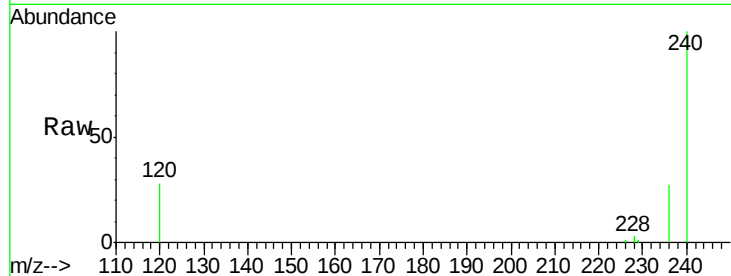
Tgt Ion:228 Resp: 3200

Ion Ratio Lower Upper

228 100

226 24.7 19.0 28.4

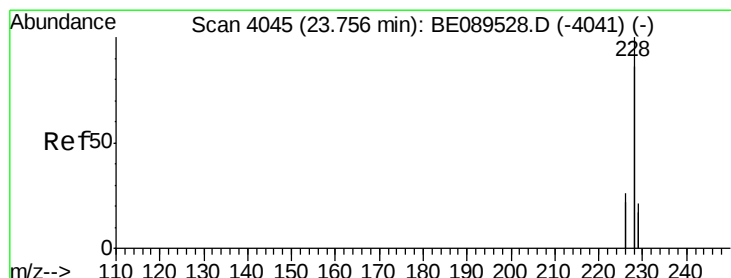
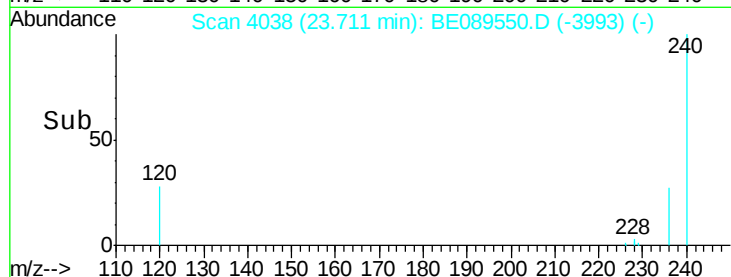
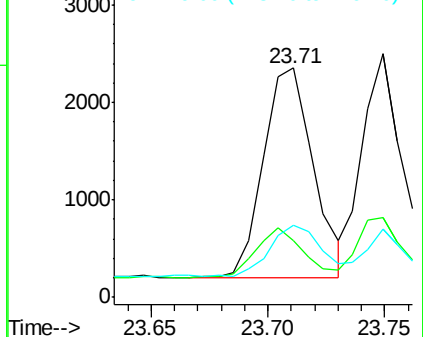
229 31.4 16.8 25.2#



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



#20

Chrysene

Concen: 0.03 ng

RT: 23.75 min Scan# 4044

Delta R.T. -0.01 min

Lab File: BE089550.D

Acq: 7 Feb 2015 7:25

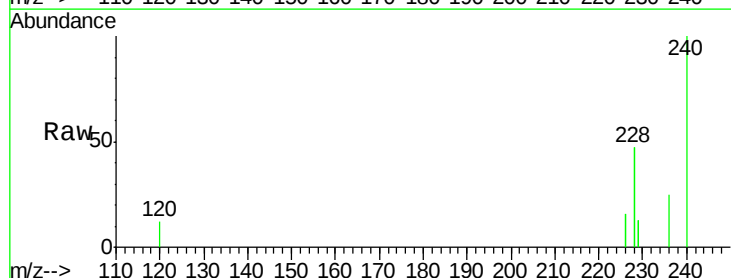
Tgt Ion:228 Resp: 3084

Ion Ratio Lower Upper

228 100

226 32.8 21.0 31.4#

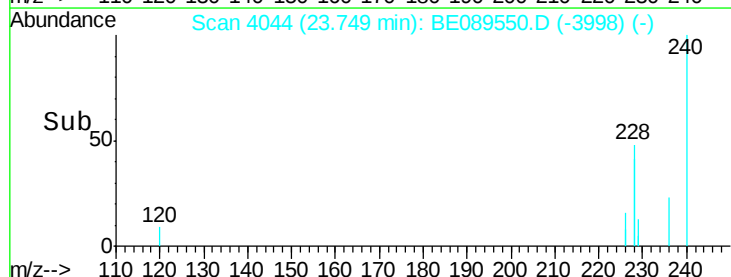
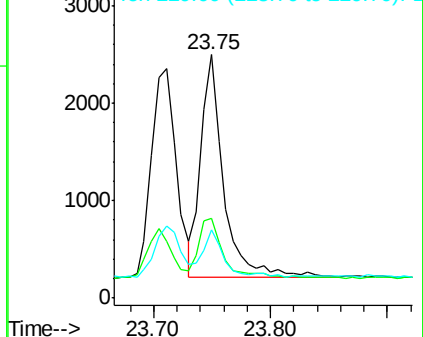
229 27.9 16.7 25.1#

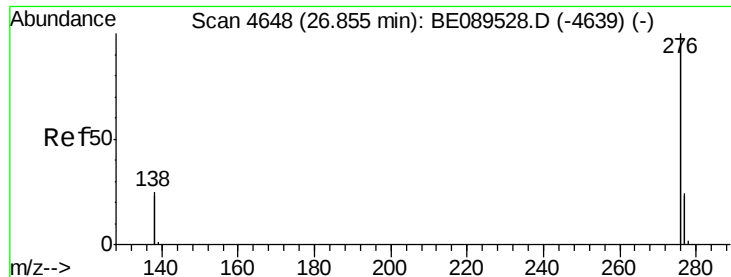


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng

RT: 26.85 min Scan# 4647

Delta R.T. -0.01 min

Lab File: BE089550.D

Acq: 7 Feb 2015 7:25

Instrument :

BNA_E

ClientSampleId :

MW3

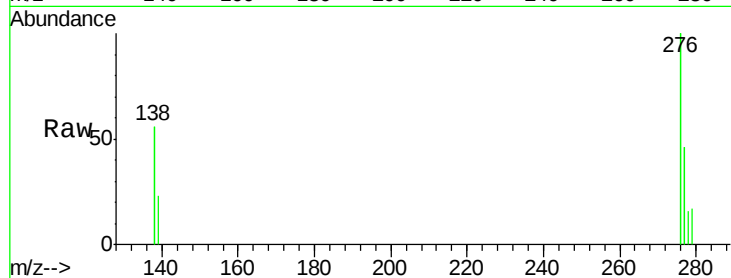
Tgt Ion:276 Resp: 2494

Ion Ratio Lower Upper

276 100

138 19.5 23.0 34.4#

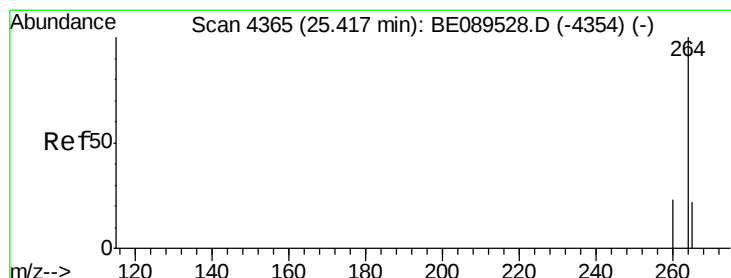
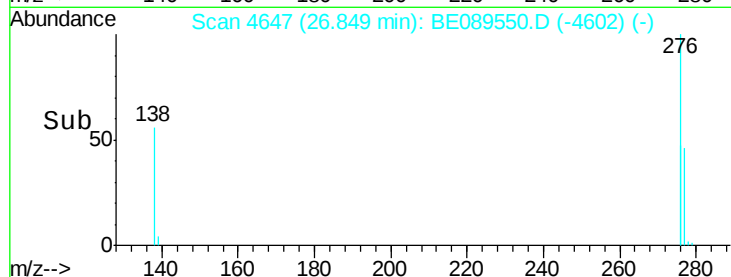
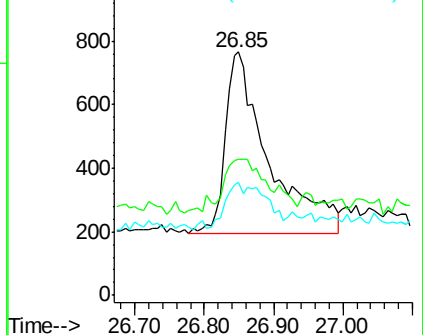
277 10.4 19.9 29.9#



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



#22

Perylene-d12

Concen: 5.00 ng

RT: 25.41 min Scan# 4364

Delta R.T. -0.01 min

Lab File: BE089550.D

Acq: 7 Feb 2015 7:25

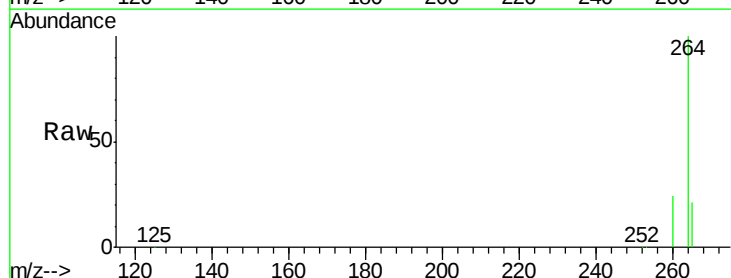
Tgt Ion:264 Resp: 112481

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

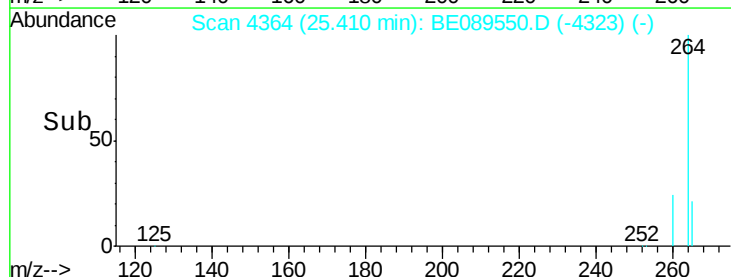
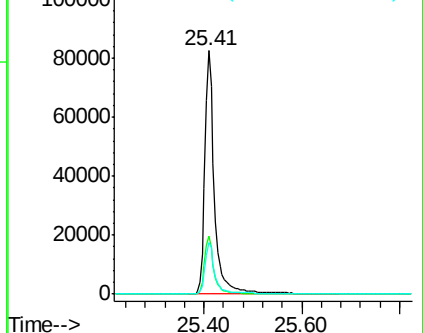
265 21.3 17.5 26.3

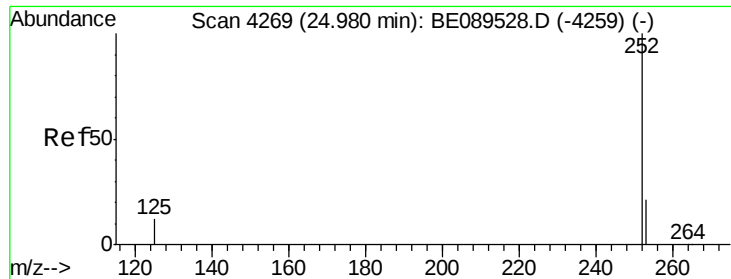


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#23

Benzo(b)fluoranthene

Concen: 0.02 ng

RT: 24.97 min Scan# 4268

Delta R.T. -0.01 min

Lab File: BE089550.D

Acq: 7 Feb 2015 7:25

Instrument :

BNA_E

ClientSampleId :

MW3

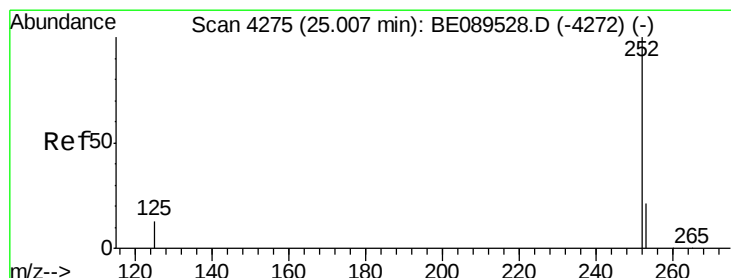
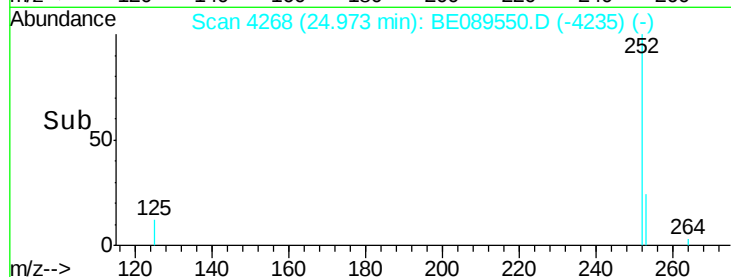
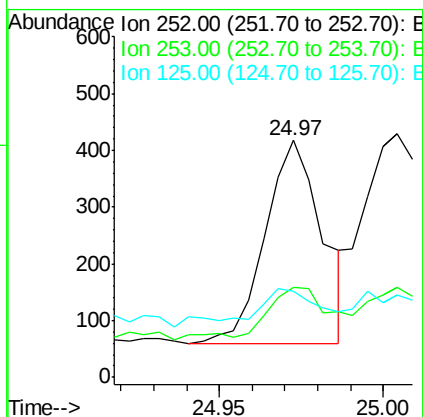
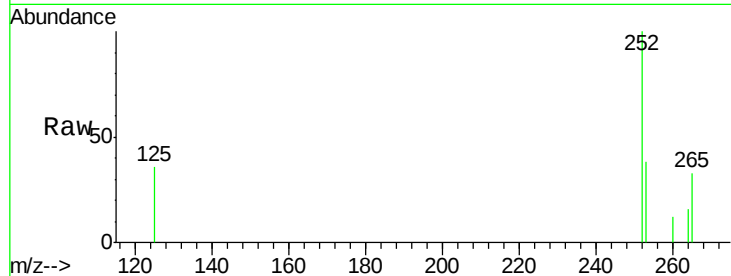
Tgt Ion:252 Resp: 434

Ion Ratio Lower Upper

252 100

253 37.8 17.4 26.0#

125 36.1 10.4 15.6#



#24

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 25.00 min Scan# 4275

Delta R.T. -0.00 min

Lab File: BE089550.D

Acq: 7 Feb 2015 7:25

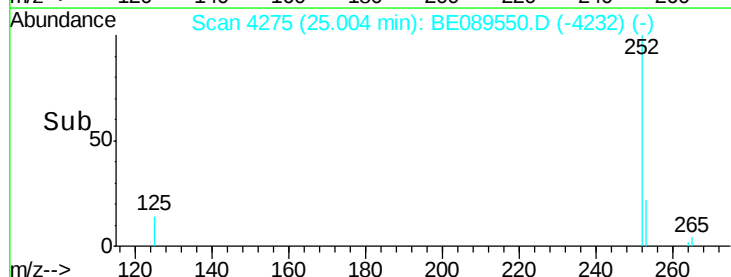
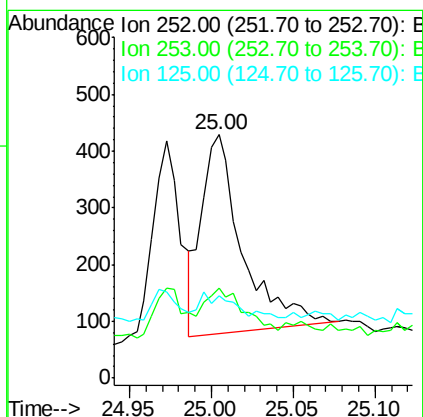
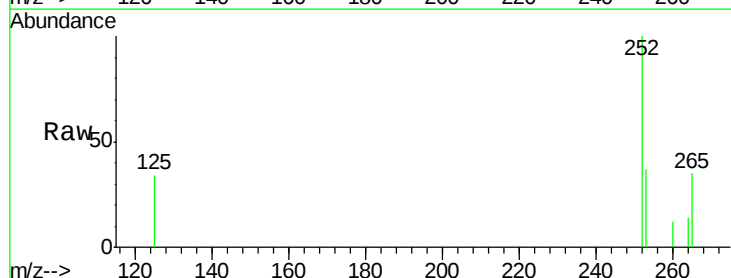
Tgt Ion:252 Resp: 609

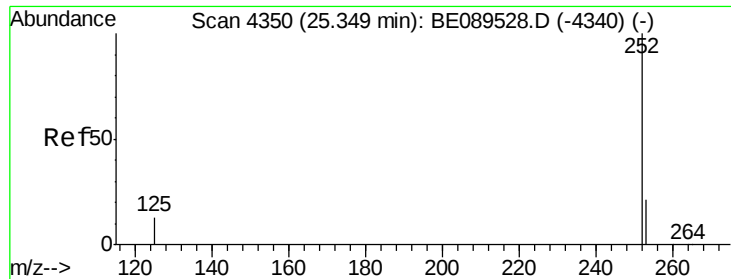
Ion Ratio Lower Upper

252 100

253 37.1 17.2 25.8#

125 33.6 10.6 15.8#





#25

Benzo(a)pyrene

Concen: 0.02 ng

RT: 25.35 min Scan# 4350

Delta R.T. -0.00 min

Lab File: BE089550.D

Acq: 7 Feb 2015 7:25

Instrument :

BNA_E

ClientSampleId :

MW3

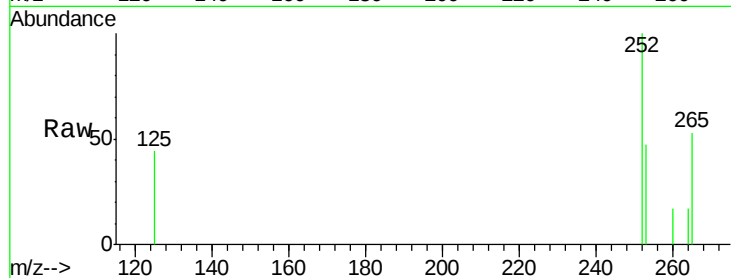
Tgt Ion: 252 Resp: 409

Ion Ratio Lower Upper

252 100

253 47.1 17.8 26.6#

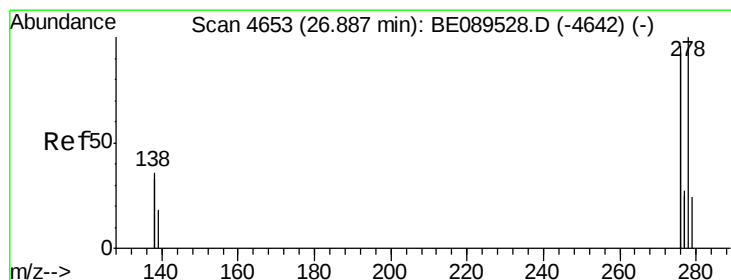
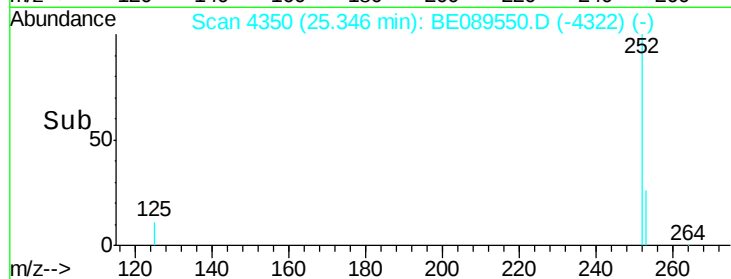
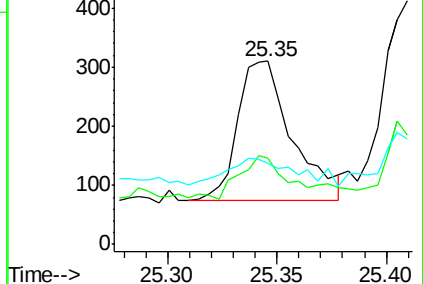
125 44.2 11.4 17.2#



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



#26

Dibenzo(a,h)anthracene

Concen: 0.02 ng

RT: 26.88 min Scan# 4652

Delta R.T. -0.01 min

Lab File: BE089550.D

Acq: 7 Feb 2015 7:25

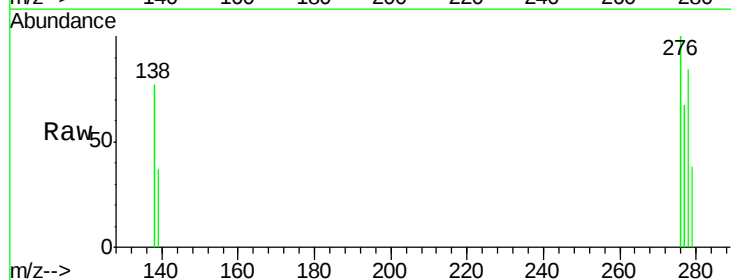
Tgt Ion: 278 Resp: 467

Ion Ratio Lower Upper

278 100

139 44.2 15.7 23.5#

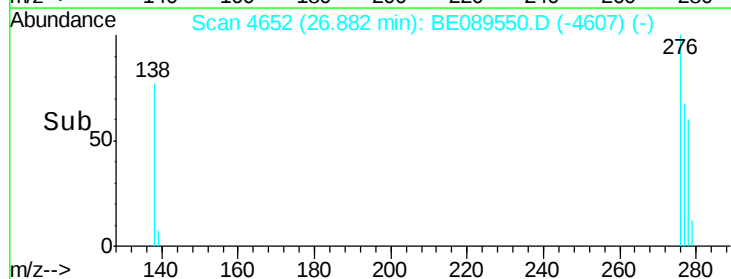
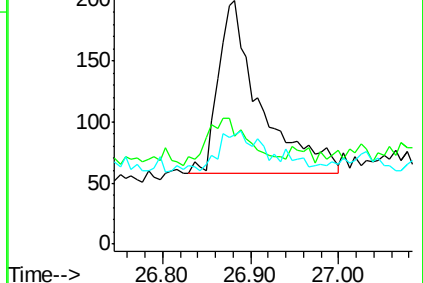
279 44.7 19.5 29.3#

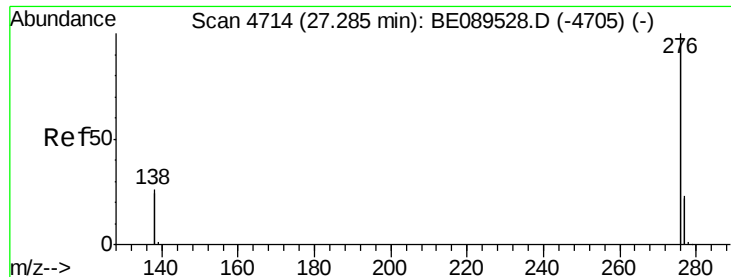


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#27

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 27.27 min Scan# 4712

Delta R.T. -0.01 min

Lab File: BE089550.D

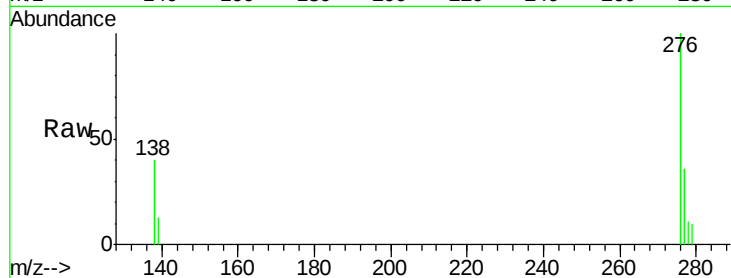
Acq: 7 Feb 2015 7:25

Instrument :

BNA_E

ClientSampleId :

MW3



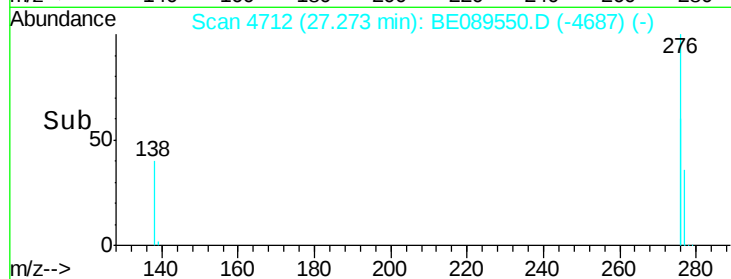
Tgt Ion: 276 Resp: 3371

Ion Ratio Lower Upper

276 100

277 36.2 18.6 27.8#

138 40.0 20.9 31.3#



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

