

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089538.D
 Acq On : 6 Feb 2015 22:19
 Operator : TP/IZ
 Sample : PB81635BL
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB81635BL

Quant Time: Feb 07 05:01:37 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	34293	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	131734	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	54811	5.00	ng	0.00
11) Phenanthrene-d10	19.85	188	102169	5.00	ng	0.00
16) Chrysene-d12	23.72	240	112775	5.00	ng	0.00
22) Perylene-d12	25.41	264	120248	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.69	82	76379	8.73	ng	0.00
7) 2-Fluorobiphenyl	14.96	172	117653	8.05	ng	0.00
18) Terphenyl-d14	22.36	244	140466	9.44	ng	0.00

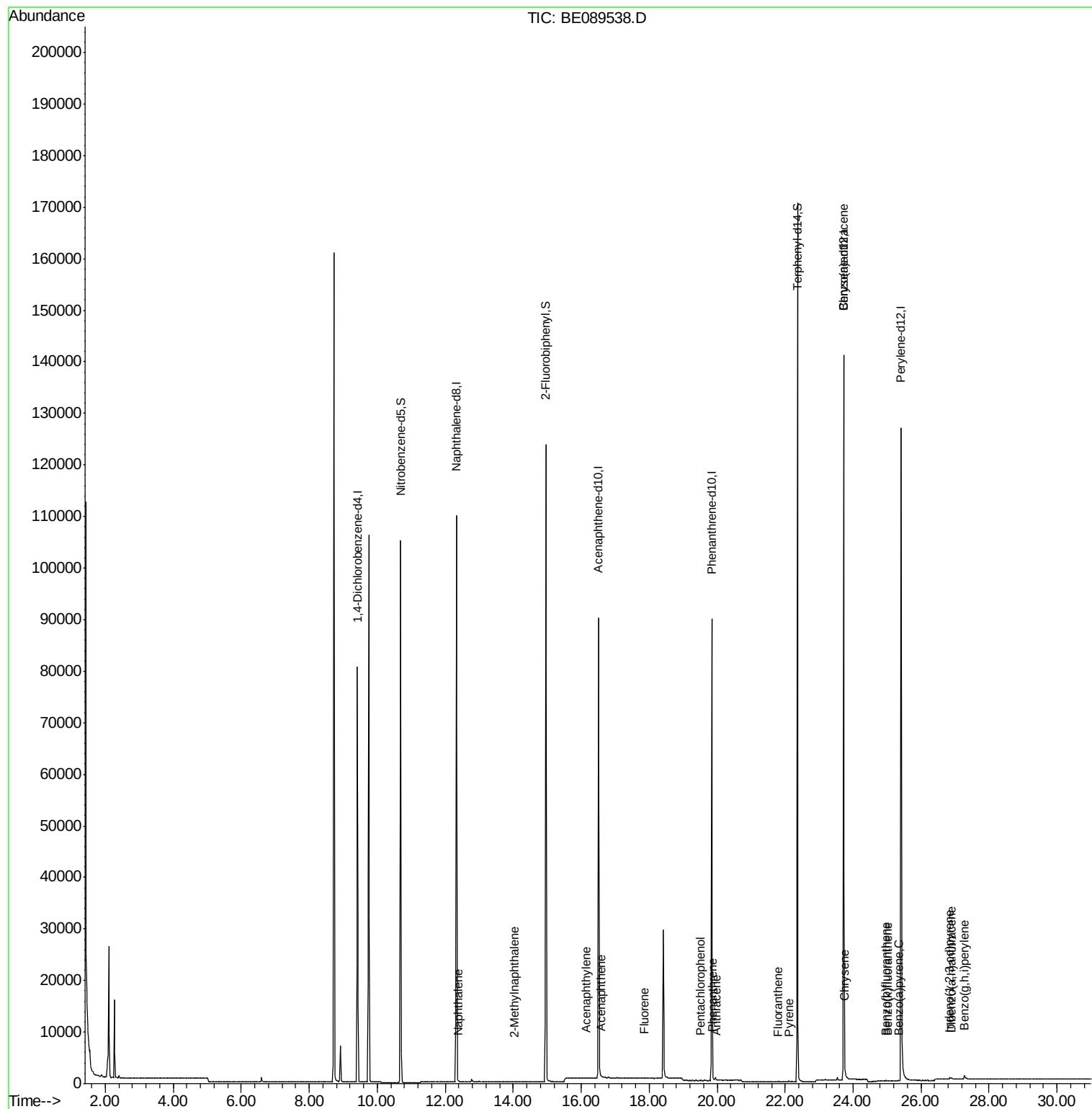
Target Compounds						Qvalue
4) Naphthalene	12.38	128	45	0.00	ng	# 1
5) 2-Methylnaphthalene	14.03	142	17	0.00	ng	# 70
8) Acenaphthylene	16.16	152	248	0.00	ng	# 86
9) Acenaphthene	16.59	154	55	0.00	ng	# 1
10) Fluorene	17.85	166	74	0.00	ng	# 84
12) Pentachlorophenol	19.51	266	6	0.54	ng	# 74
13) Phenanthrene	19.89	178	98	0.00	ng	# 83
14) Anthracene	19.98	178	63	0.00	ng	# 58
15) Fluoranthene	21.79	202	98	0.00	ng	# 79
17) Pyrene	22.10	202	132	0.01	ng	# 92
19) Benzo(a)anthracene	23.72	228	1832	0.02	ng	# 79
20) Chrysene	23.75	228	887	0.01	ng	# 66
21) Indeno(1,2,3-cd)pyrene	26.85	276	724	0.01	ng	# 91
23) Benzo(b)fluoranthene	24.98	252	137	0.01	ng	# 7
24) Benzo(k)fluoranthene	25.00	252	120	0.00	ng	# 16
25) Benzo(a)pyrene	25.34	252	147	0.01	ng	# 1
26) Dibenzo(a,h)anthracene	26.88	278	166	0.01	ng	# 9
27) Benzo(g,h,i)perylene	27.28	276	1783	0.02	ng	# 45

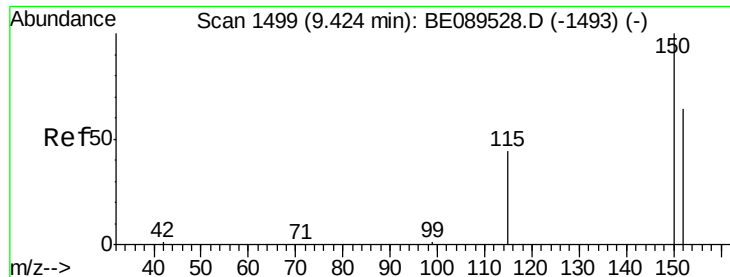
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
Data File : BE089538.D
Acq On : 6 Feb 2015 22:19
Operator : TP/IZ
Sample : PB81635BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB81635BL

Quant Time: Feb 07 05:01:37 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.42 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BE089538.D

Acq: 6 Feb 2015 22:19

Instrument :

BNA_E

ClientSampled :

PB81635BL

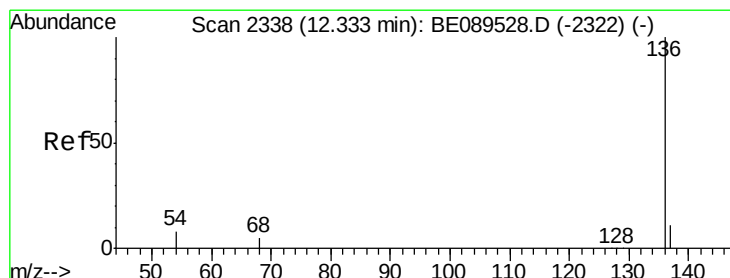
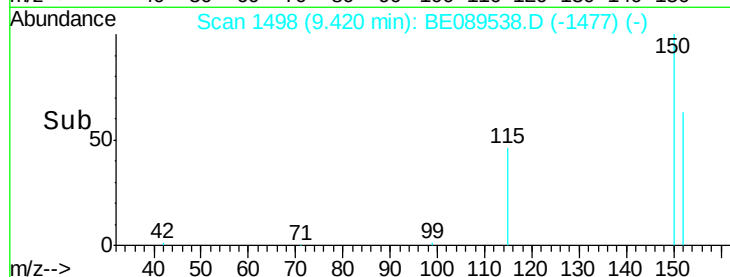
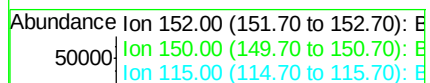
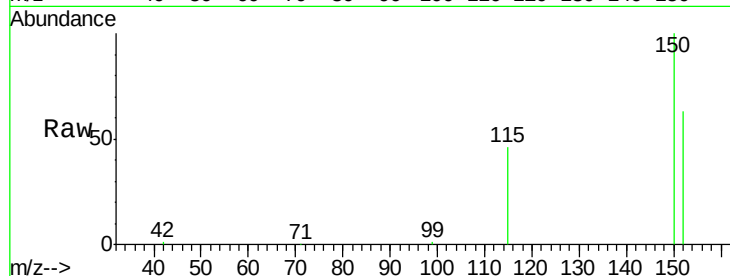
Tgt Ion:152 Resp: 34293

Ion Ratio Lower Upper

152 100

150 158.3 125.7 188.5

115 72.6 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: BE089538.D

Acq: 6 Feb 2015 22:19

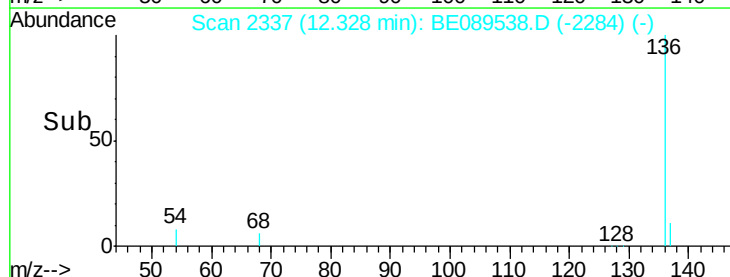
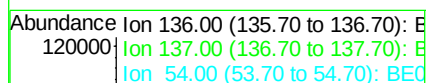
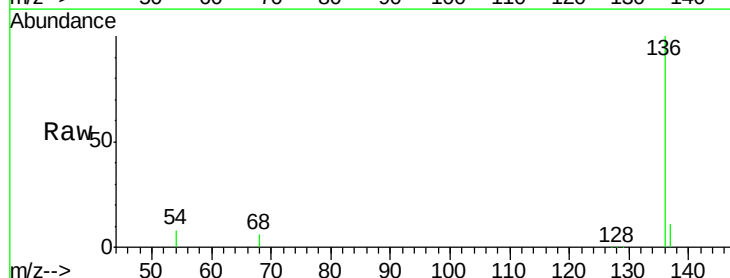
Tgt Ion:136 Resp: 131734

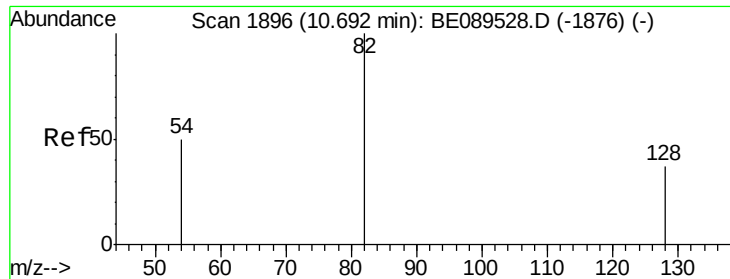
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 8.3 6.1 9.1





#3

Nitrobenzene-d5

Concen: 8.73 ng

RT: 10.69 min Scan# 1895

Delta R.T. -0.00 min

Lab File: BE089538.D

Acq: 6 Feb 2015 22:19

Instrument :

BNA_E

ClientSampleId :

PB81635BL

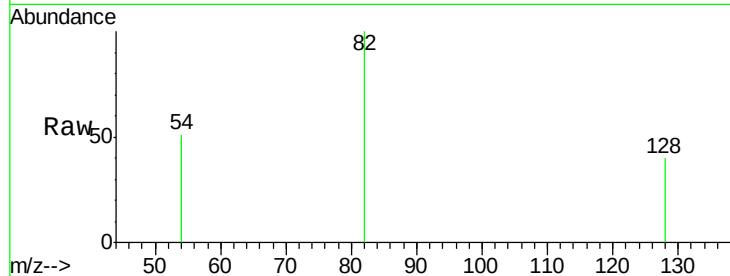
Tgt Ion: 82 Resp: 76379

Ion Ratio Lower Upper

82 100

128 39.7 30.2 45.4

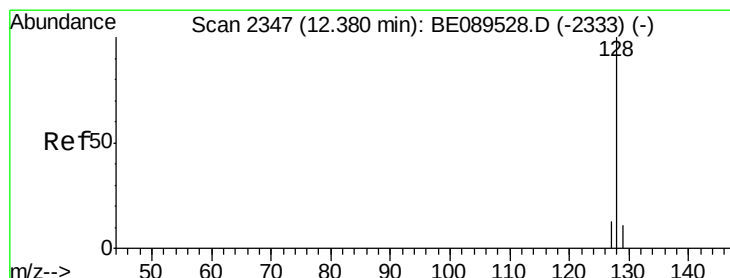
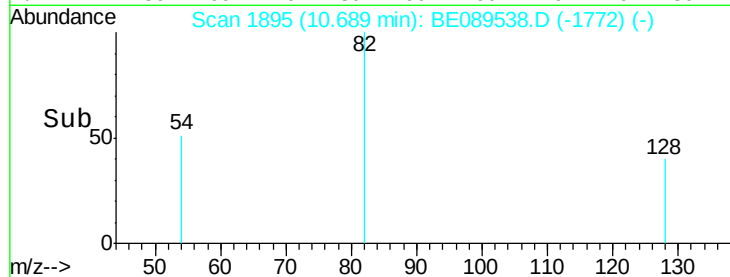
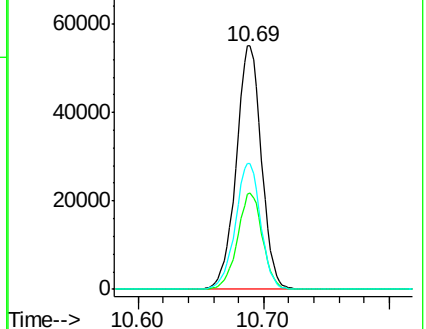
54 51.4 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BE089538.D (-1876) (-)

Ion 128.00 (127.70 to 128.70): BE089538.D (-1876) (-)

Ion 54.00 (53.70 to 54.70): BE089538.D (-1876) (-)



#4

Naphthalene

Concen: 0.00 ng

RT: 12.38 min Scan# 2346

Delta R.T. -0.01 min

Lab File: BE089538.D

Acq: 6 Feb 2015 22:19

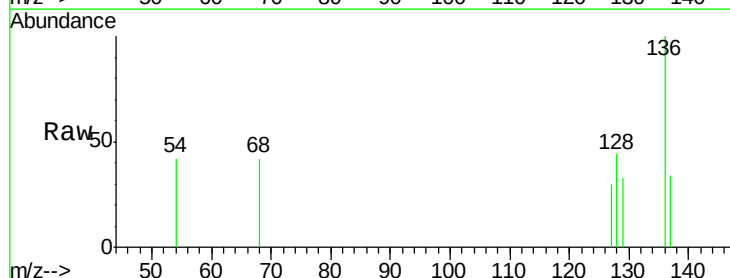
Tgt Ion: 128 Resp: 45

Ion Ratio Lower Upper

128 100

129 73.4 9.1 13.7#

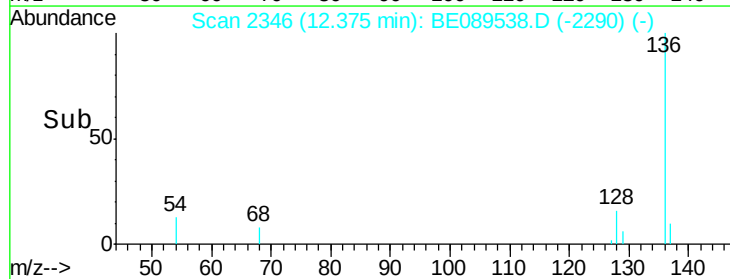
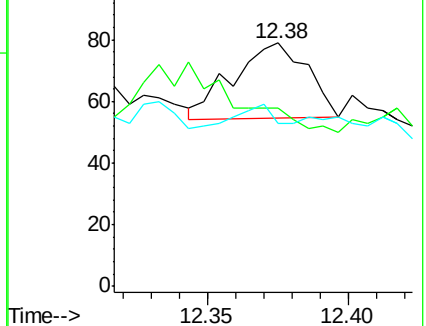
127 67.1 10.5 15.7#

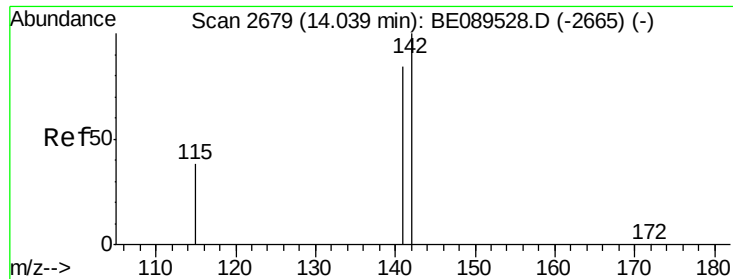


Abundance Ion 128.00 (127.70 to 128.70): BE089538.D (-2333) (-)

Ion 129.00 (128.70 to 129.70): BE089538.D (-2333) (-)

Ion 127.00 (126.70 to 127.70): BE089538.D (-2333) (-)





#5

2-Methylnaphthalene

Concen: 0.00 ng

RT: 14.03 min Scan# 2677

Delta R.T. -0.01 min

Lab File: BE089538.D

Acq: 6 Feb 2015 22:19

Instrument :

BNA_E

ClientSampleId :

PB81635BL

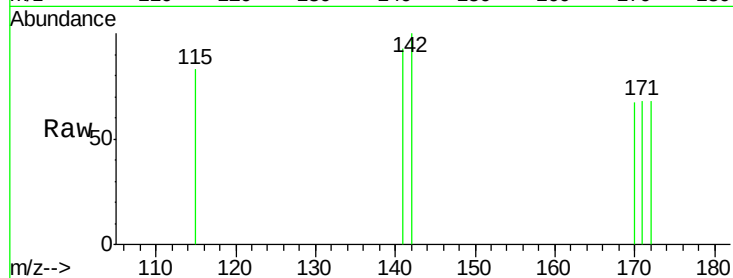
Tgt Ion:142 Resp: 17

Ion Ratio Lower Upper

142 100

141 93.1 67.0 100.6

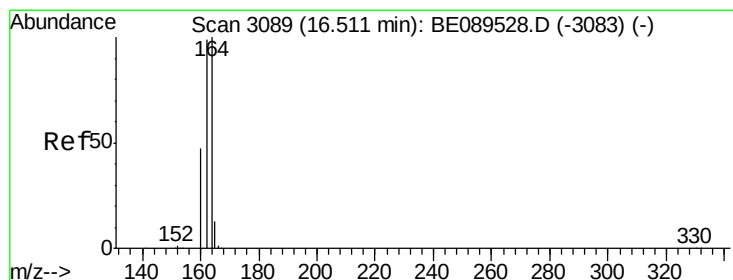
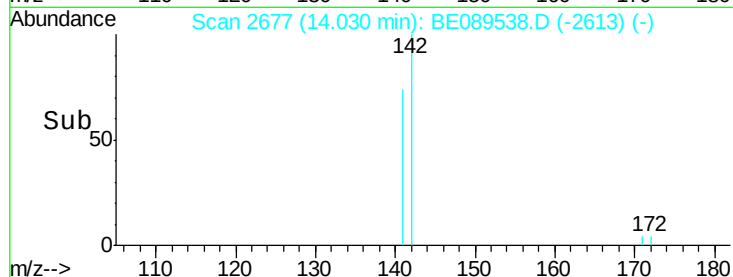
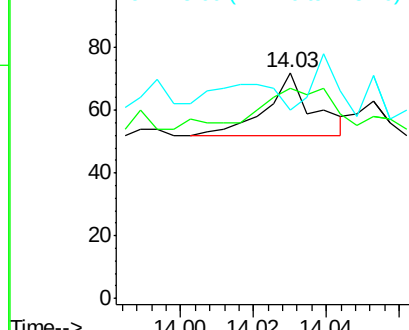
115 83.3 30.6 45.8#



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: BE089538.D

Acq: 6 Feb 2015 22:19

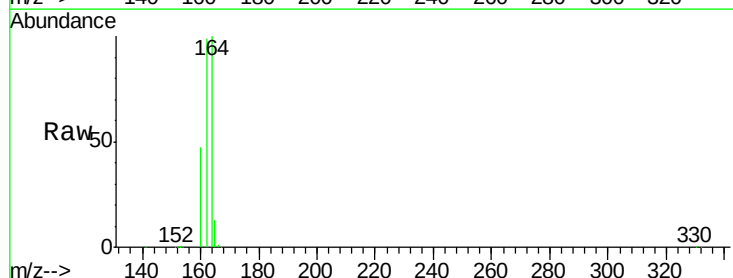
Tgt Ion:164 Resp: 54811

Ion Ratio Lower Upper

164 100

162 98.6 79.5 119.3

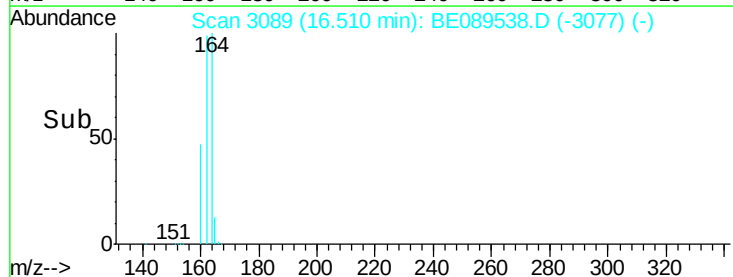
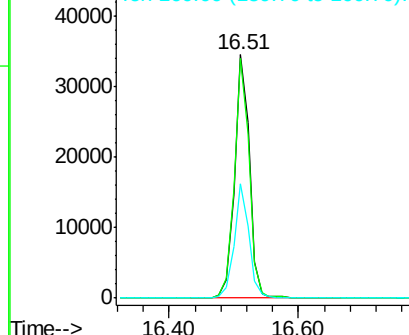
160 46.8 37.6 56.4

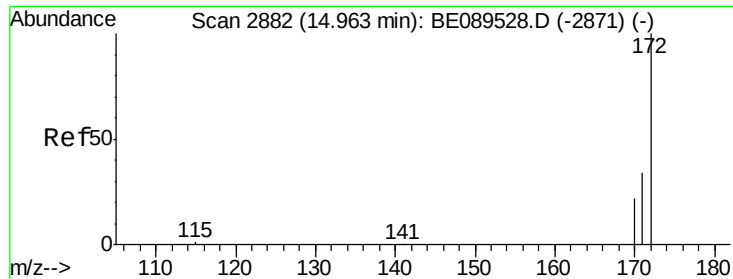


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 8.05 ng

RT: 14.96 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BE089538.D

Acq: 6 Feb 2015 22:19

Instrument :

BNA_E

ClientSampleId :

PB81635BL

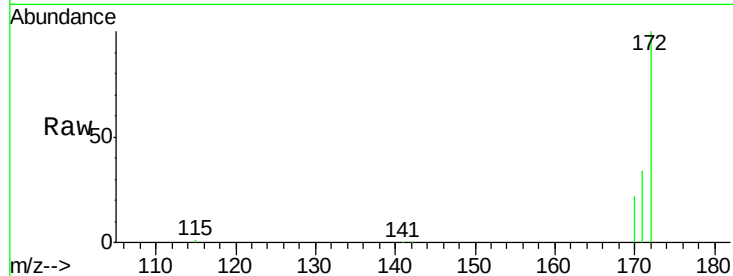
Tgt Ion:172 Resp: 117653

Ion Ratio Lower Upper

172 100

171 34.0 27.7 41.5

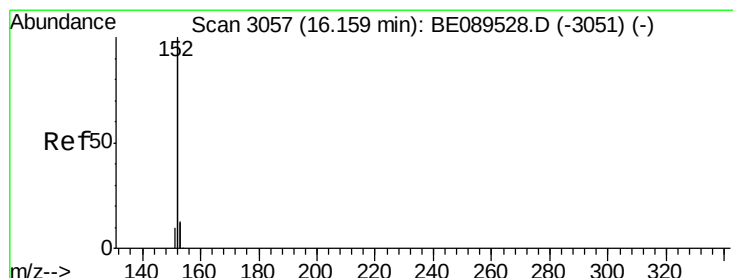
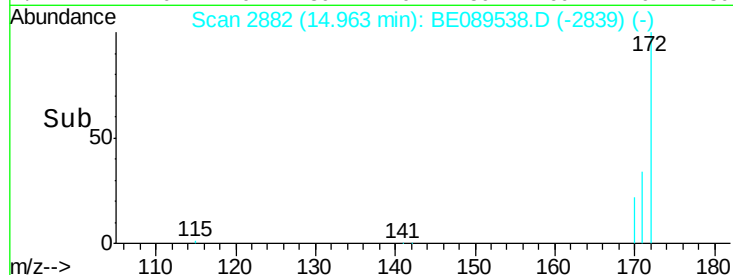
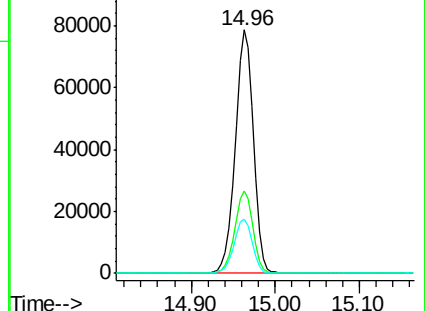
170 22.5 18.3 27.5



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#8

Acenaphthylene

Concen: 0.00 ng

RT: 16.16 min Scan# 3057

Delta R.T. -0.00 min

Lab File: BE089538.D

Acq: 6 Feb 2015 22:19

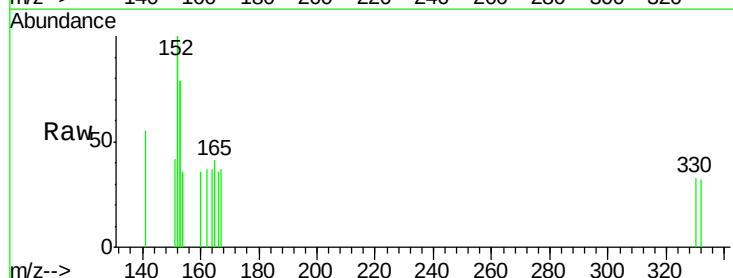
Tgt Ion:152 Resp: 248

Ion Ratio Lower Upper

152 100

151 0.0 4.0 6.0#

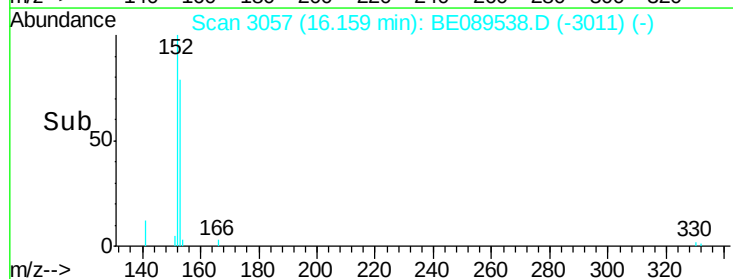
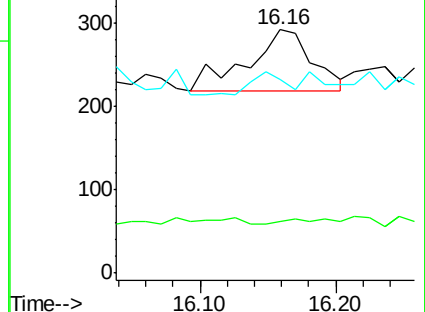
153 18.5 10.6 15.8#

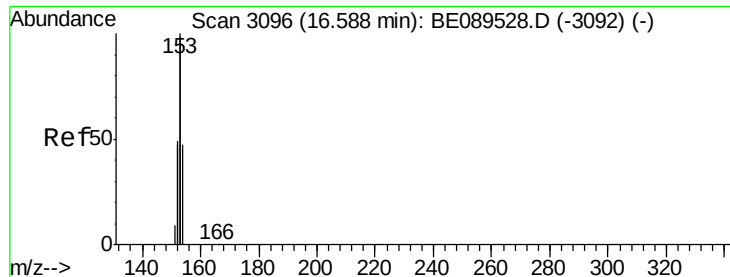


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.00 ng

RT: 16.59 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BE089538.D

Acq: 6 Feb 2015 22:19

Instrument :

BNA_E

ClientSampleId :

PB81635BL

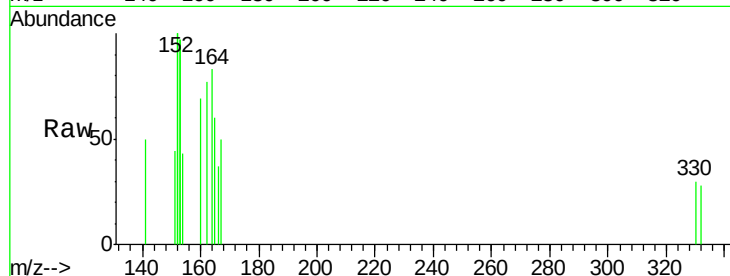
Tgt Ion:154 Resp: 55

Ion Ratio Lower Upper

154 100

153 0.0 340.8 511.2#

152 0.0 165.5 248.3#

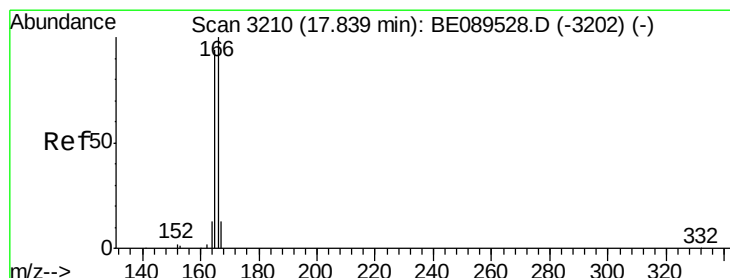
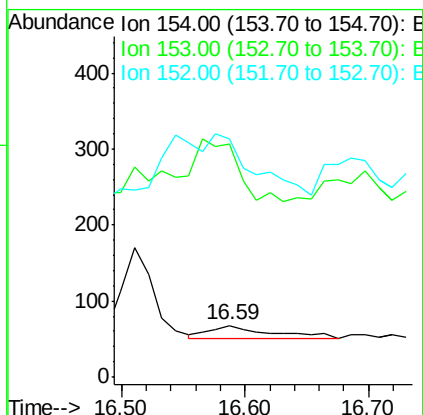
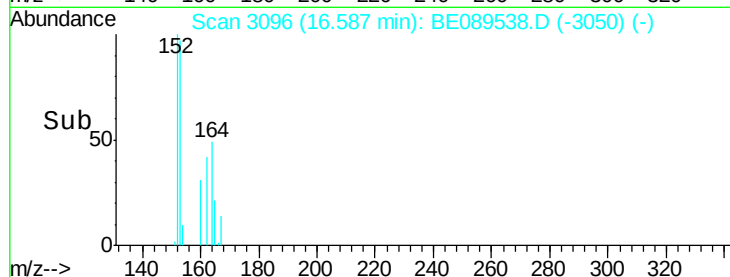


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time--> 16.50 16.60 16.70



#10

Fluorene

Concen: 0.00 ng

RT: 17.85 min Scan# 3211

Delta R.T. 0.01 min

Lab File: BE089538.D

Acq: 6 Feb 2015 22:19

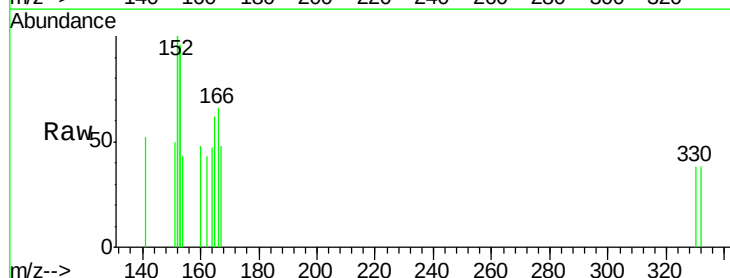
Tgt Ion:166 Resp: 74

Ion Ratio Lower Upper

166 100

165 81.1 75.5 113.3

167 0.0 10.9 16.3#

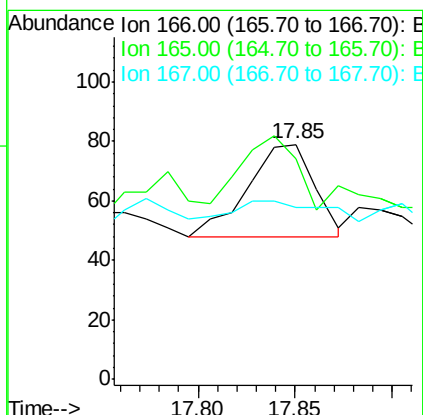
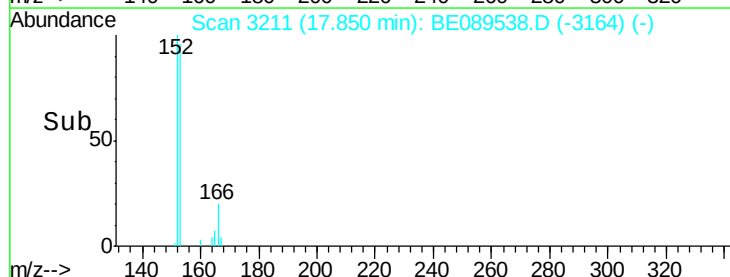


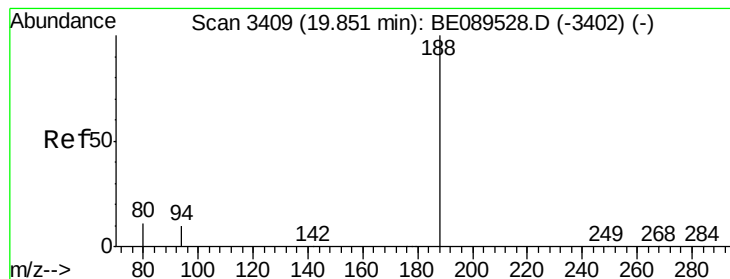
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time--> 17.80 17.85

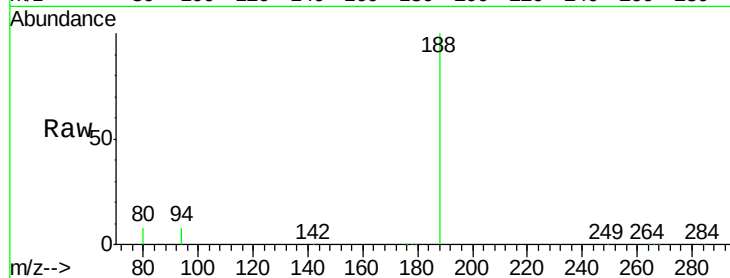




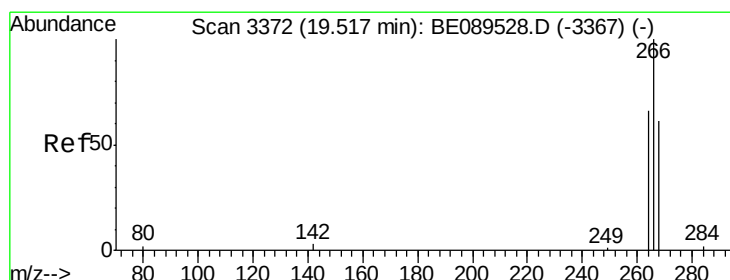
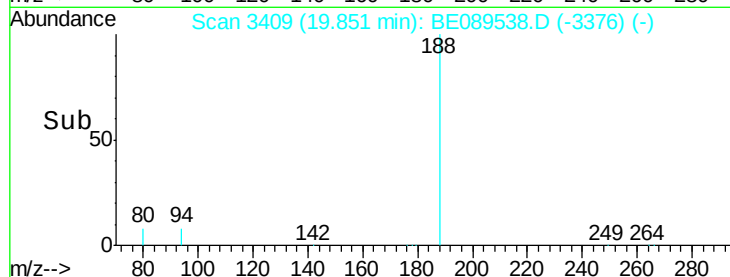
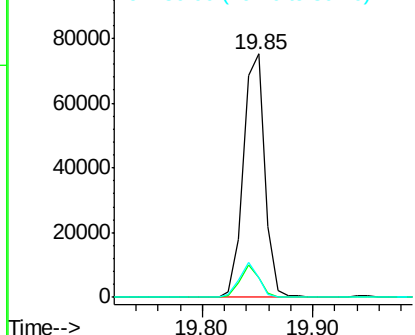
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.85 min Scan# 3409
Delta R.T. 0.00 min
Lab File: BE089538.D
Acq: 6 Feb 2015 22:19

Instrument :
BNA_E
ClientSampleId :
PB81635BL

Tgt Ion:188 Resp: 102169
Ion Ratio Lower Upper
188 100
94 8.1 8.4 12.6#
80 8.3 8.6 12.8#

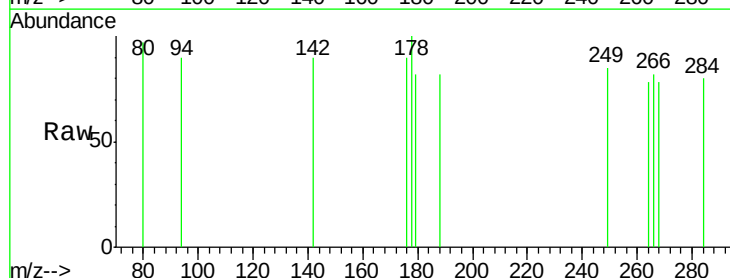


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

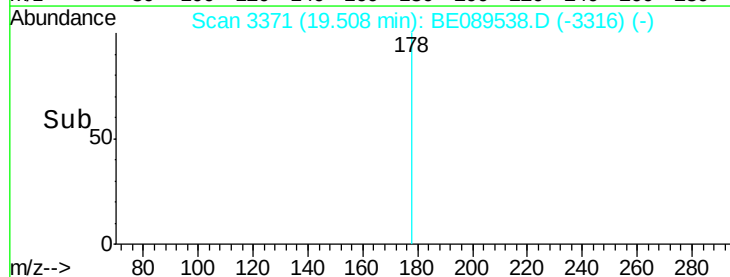
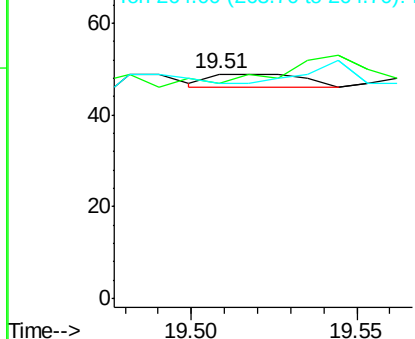


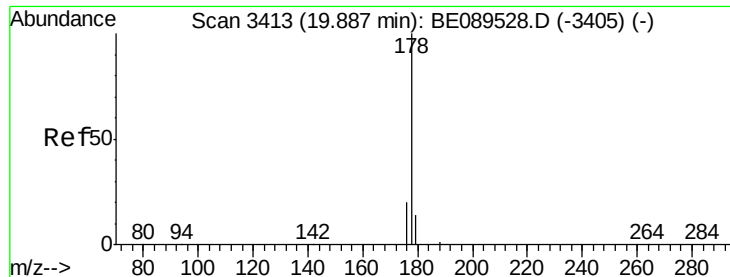
#12
Pentachlorophenol
Concen: 0.54 ng
RT: 19.51 min Scan# 3371
Delta R.T. -0.01 min
Lab File: BE089538.D
Acq: 6 Feb 2015 22:19

Tgt Ion:266 Resp: 6
Ion Ratio Lower Upper
266 100
268 95.9 57.9 86.9#
264 95.9 60.2 90.4#



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





#13

Phenanthrene

Concen: 0.00 ng

RT: 19.89 min Scan# 3413

Delta R.T. 0.00 min

Lab File: BE089538.D

Acq: 6 Feb 2015 22:19

Instrument :

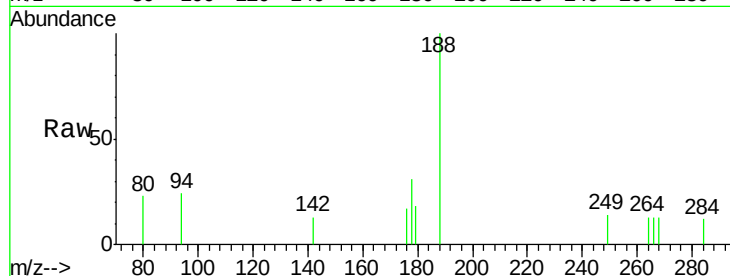
BNA_E

ClientSampleId :

PB81635BL

Tgt Ion:178 Resp: 98

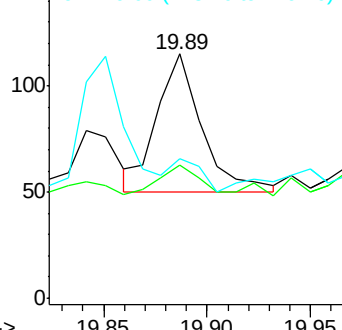
Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.0
179	0.0	12.2	18.2#



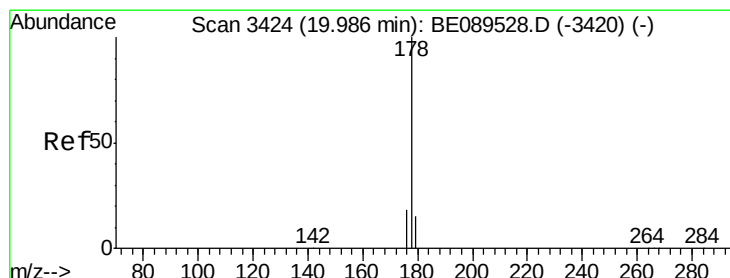
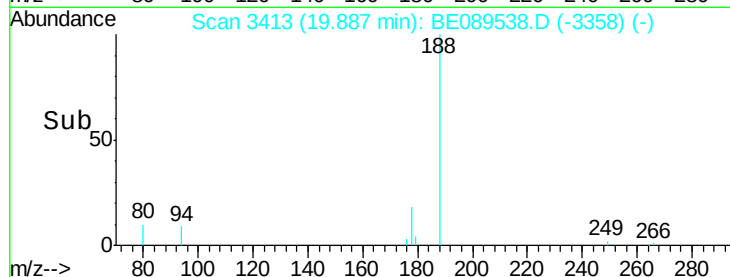
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#14

Anthracene

Concen: 0.00 ng

RT: 19.98 min Scan# 3423

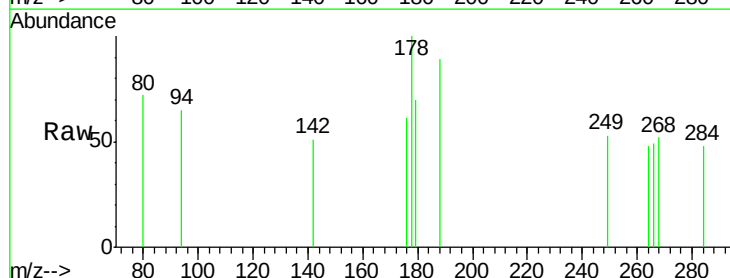
Delta R.T. -0.01 min

Lab File: BE089538.D

Acq: 6 Feb 2015 22:19

Tgt Ion:178 Resp: 63

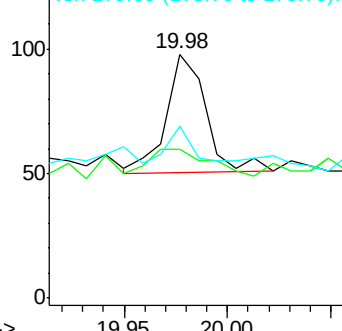
Ion	Ratio	Lower	Upper
178	100		
176	49.2	14.5	21.7#
179	19.0	12.2	18.2#



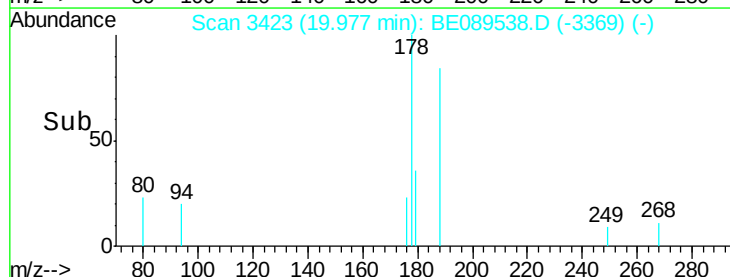
Abundance Ion 178.00 (177.70 to 178.70): E

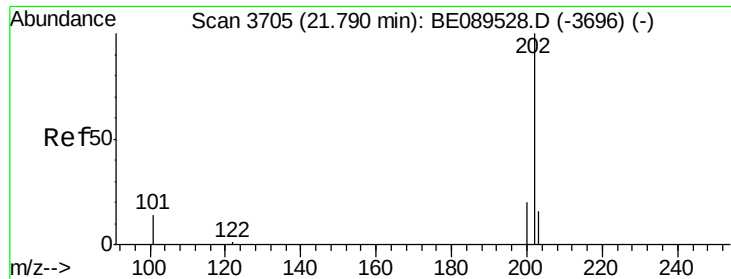
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

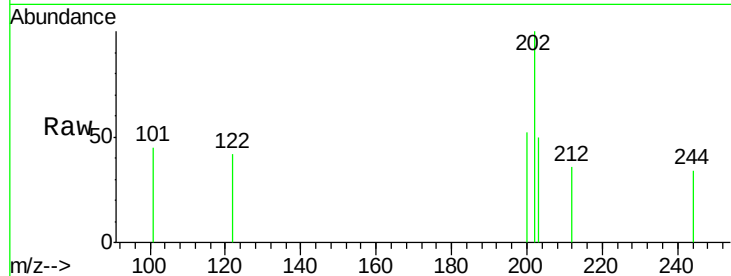




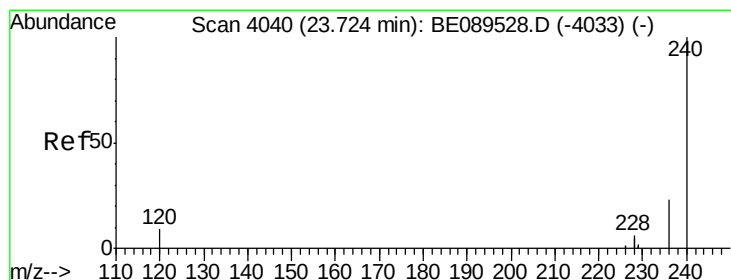
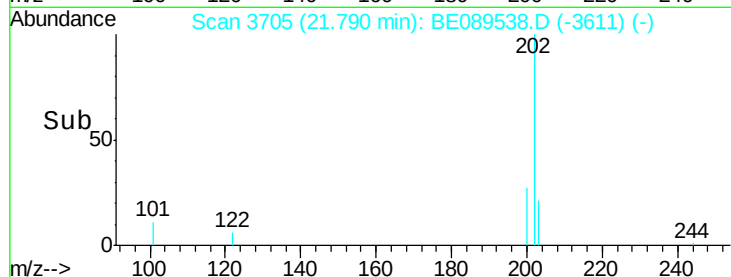
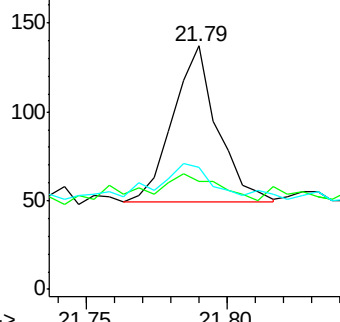
#15
 Fluoranthene
 Concen: 0.00 ng
 RT: 21.79 min Scan# 3705
 Delta R.T. 0.00 min
 Lab File: BE089538.D
 Acq: 6 Feb 2015 22:19

Instrument :
 BNA_E
 ClientSampleId :
 PB81635BL

Tgt Ion: 202 Resp: 98
 Ion Ratio Lower Upper
 202 100
 101 18.4 11.6 17.4#
 203 30.6 13.6 20.4#

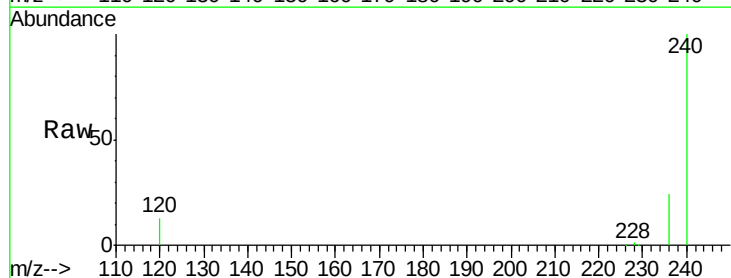


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

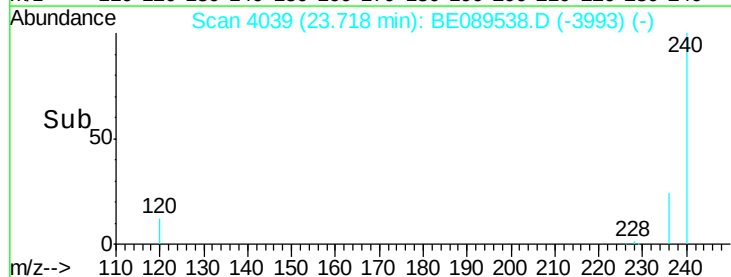
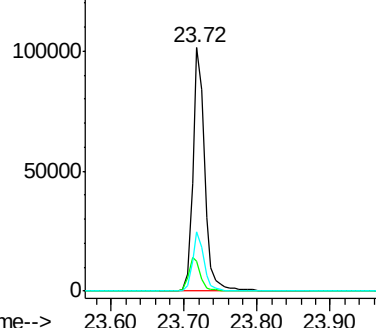


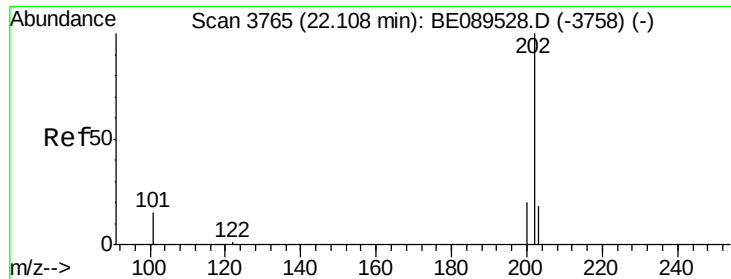
#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.72 min Scan# 4039
 Delta R.T. -0.01 min
 Lab File: BE089538.D
 Acq: 6 Feb 2015 22:19

Tgt Ion: 240 Resp: 112775
 Ion Ratio Lower Upper
 240 100
 120 12.5 7.2 10.8#
 236 24.3 18.5 27.7



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

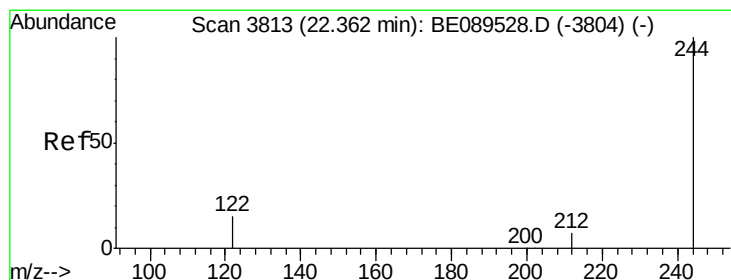
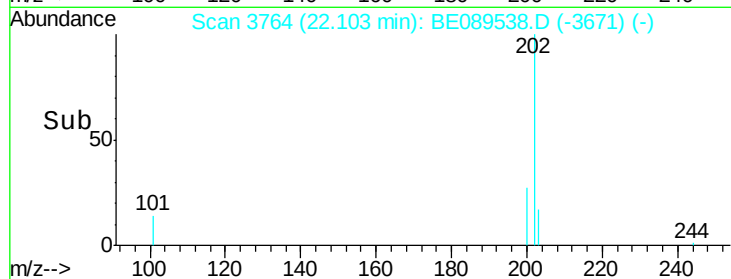
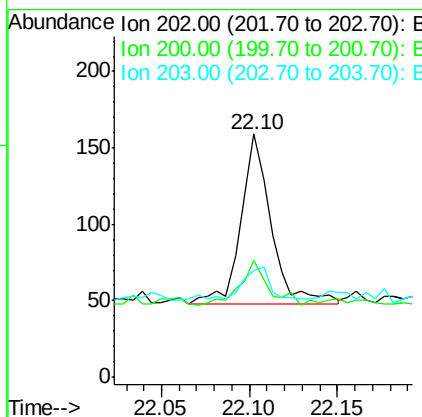
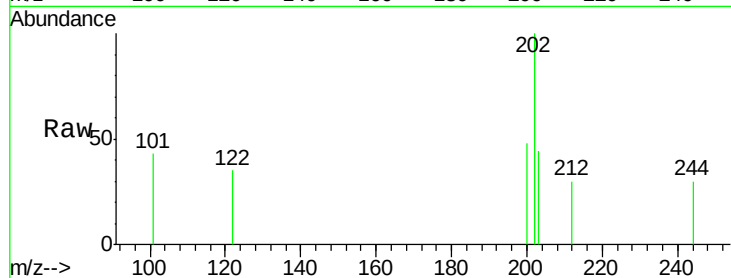




#17
Pyrene
 Concen: 0.01 ng
 RT: 22.10 min Scan# 3764
 Delta R.T. -0.01 min
 Lab File: BE089538.D
 Acq: 6 Feb 2015 22:19

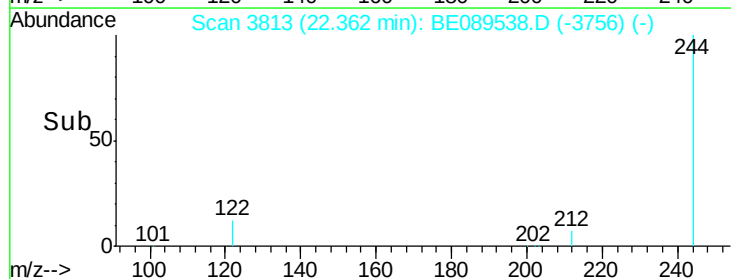
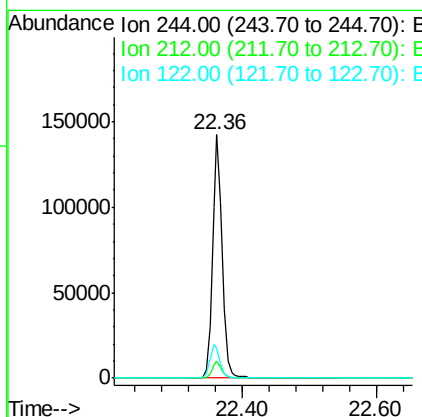
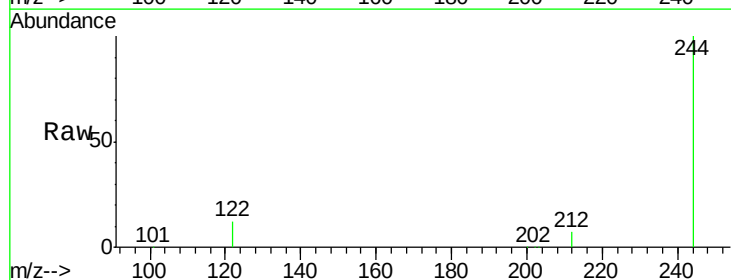
Instrument :
 BNA_E
 ClientSampleId :
 PB81635BL

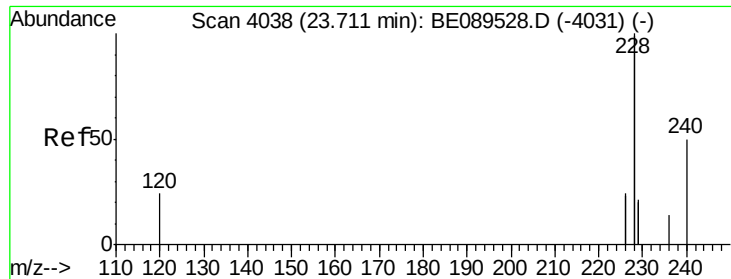
Tgt Ion: 202 Resp: 132
 Ion Ratio Lower Upper
 202 100
 200 25.8 16.3 24.5#
 203 15.2 13.5 20.3



#18
Terphenyl-d14
 Concen: 9.44 ng
 RT: 22.36 min Scan# 3813
 Delta R.T. 0.00 min
 Lab File: BE089538.D
 Acq: 6 Feb 2015 22:19

Tgt Ion: 244 Resp: 140466
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 12.3 12.6 19.0#





#19

Benzo(a)anthracene

Concen: 0.02 ng

RT: 23.72 min Scan# 4039

Delta R.T. 0.01 min

Lab File: BE089538.D

Acq: 6 Feb 2015 22:19

Instrument :

BNA_E

ClientSampleId :

PB81635BL

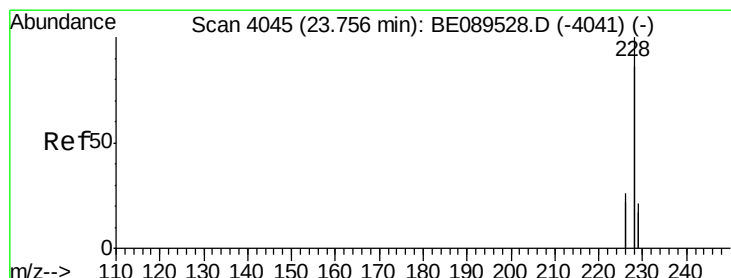
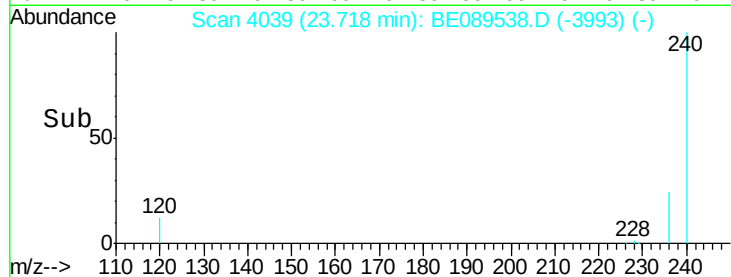
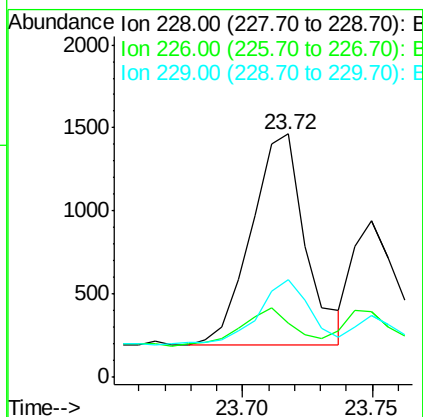
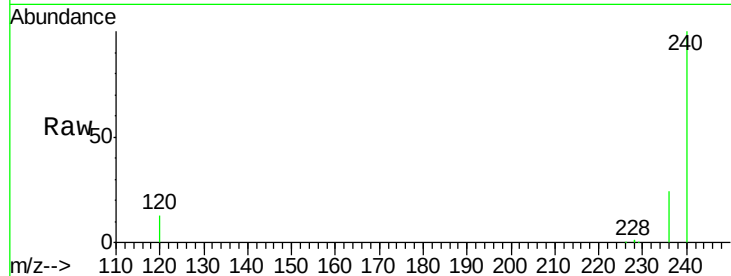
Tgt Ion:228 Resp: 1832

Ion Ratio Lower Upper

228 100

226 22.3 19.0 28.4

229 40.3 16.8 25.2#



#20

Chrysene

Concen: 0.01 ng

RT: 23.75 min Scan# 4044

Delta R.T. -0.01 min

Lab File: BE089538.D

Acq: 6 Feb 2015 22:19

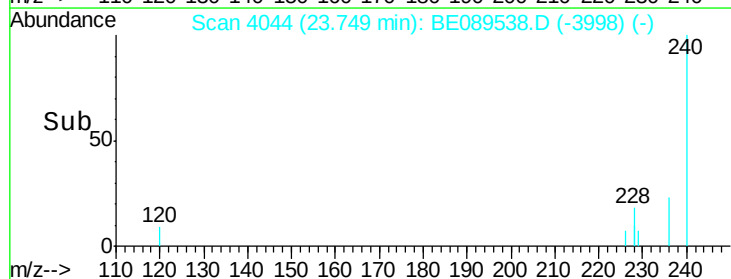
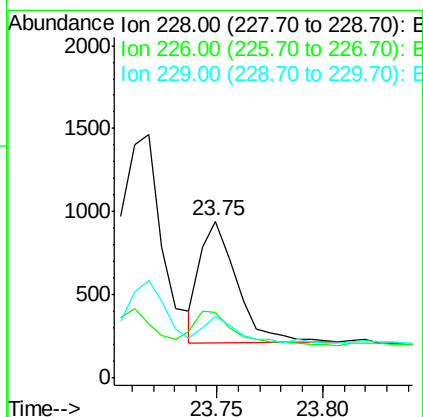
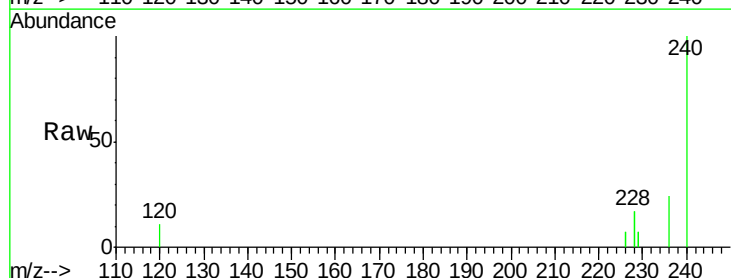
Tgt Ion:228 Resp: 887

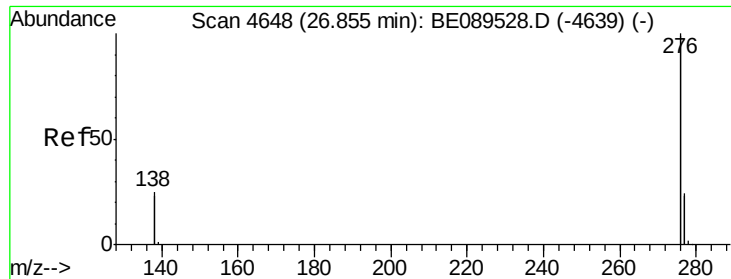
Ion Ratio Lower Upper

228 100

226 41.7 21.0 31.4#

229 39.2 16.7 25.1#





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng

RT: 26.85 min Scan# 4647

Delta R.T. -0.01 min

Lab File: BE089538.D

Acq: 6 Feb 2015 22:19

Instrument :

BNA_E

ClientSampleId :

PB81635BL

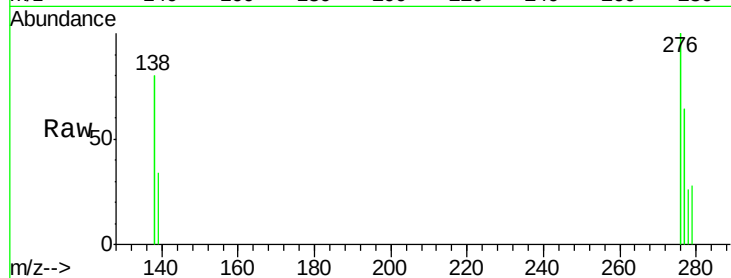
Tgt Ion:276 Resp: 724

Ion Ratio Lower Upper

276 100

138 23.3 23.0 34.4

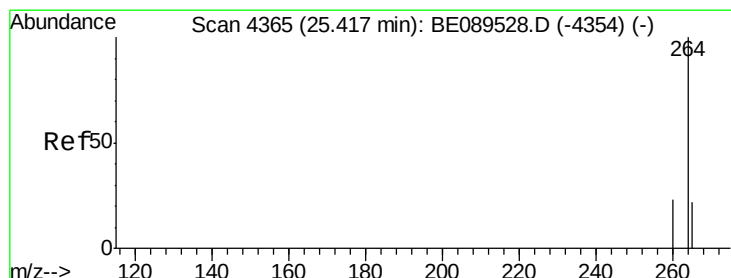
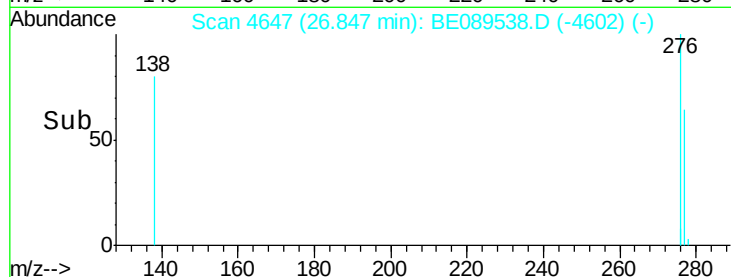
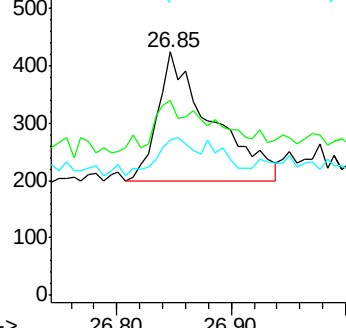
277 21.0 19.9 29.9



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: BE089538.D

Acq: 6 Feb 2015 22:19

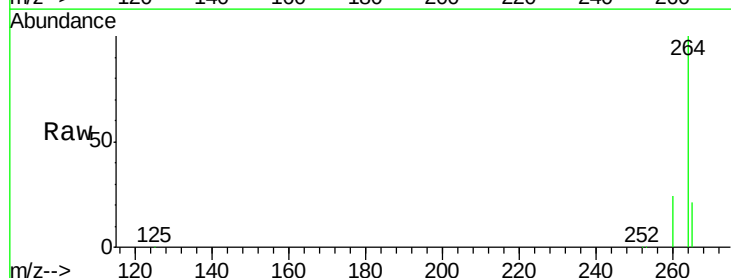
Tgt Ion:264 Resp: 120248

Ion Ratio Lower Upper

264 100

260 24.4 18.7 28.1

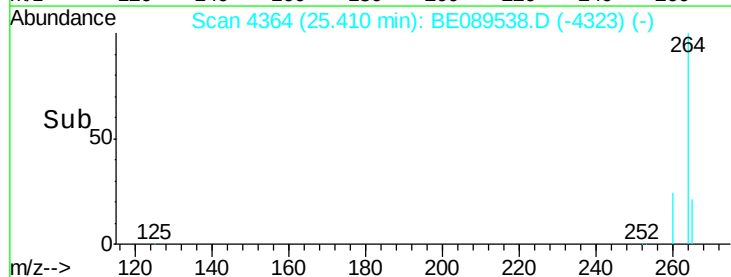
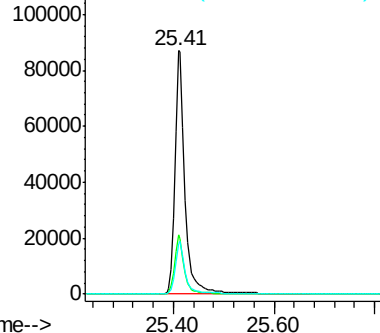
265 20.9 17.5 26.3

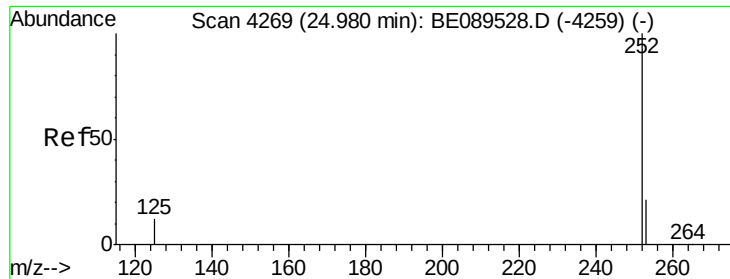


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#23

Benzo(b)fluoranthene

Concen: 0.01 ng

RT: 24.98 min Scan# 4269

Delta R.T. -0.00 min

Lab File: BE089538.D

Acq: 6 Feb 2015 22:19

Instrument :

BNA_E

ClientSampled :

PB81635BL

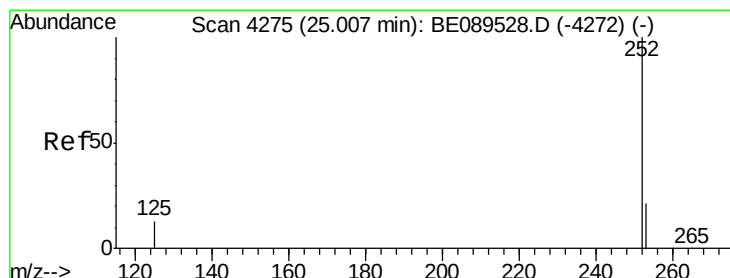
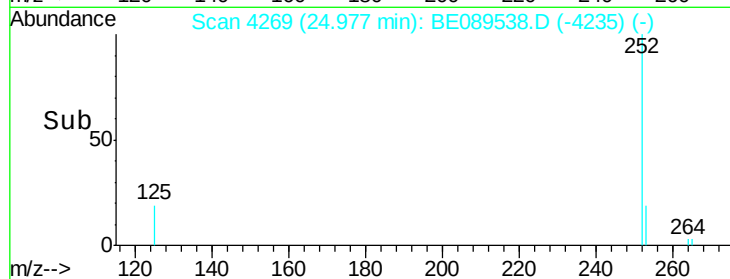
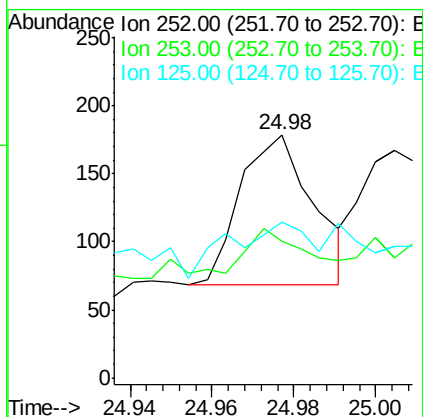
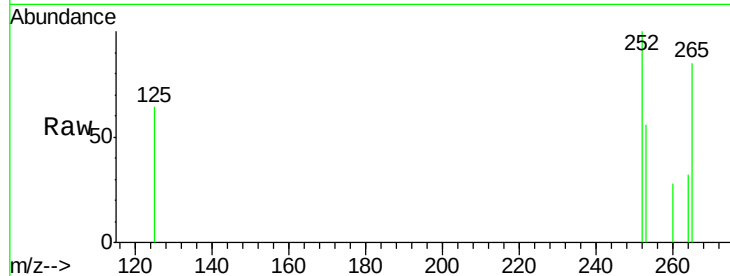
Tgt Ion:252 Resp: 137

Ion Ratio Lower Upper

252 100

253 55.9 17.4 26.0#

125 64.2 10.4 15.6#



#24

Benzo(k)fluoranthene

Concen: 0.00 ng

RT: 25.00 min Scan# 4275

Delta R.T. -0.00 min

Lab File: BE089538.D

Acq: 6 Feb 2015 22:19

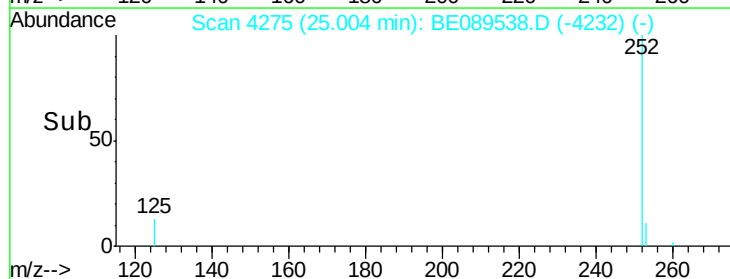
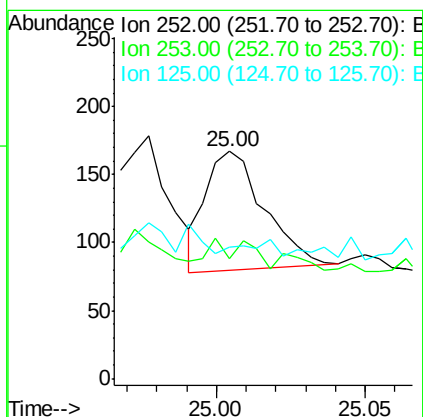
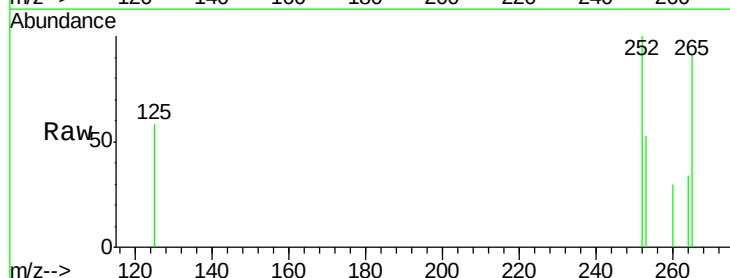
Tgt Ion:252 Resp: 120

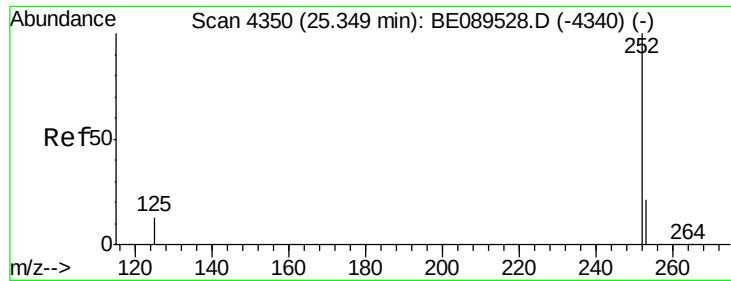
Ion Ratio Lower Upper

252 100

253 52.7 17.2 25.8#

125 58.1 10.6 15.8#

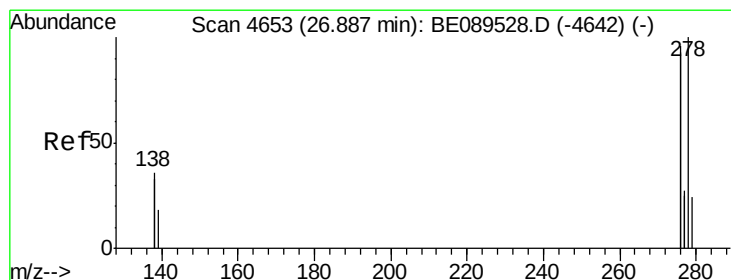
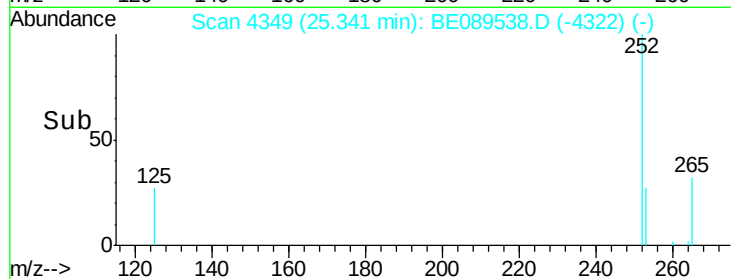
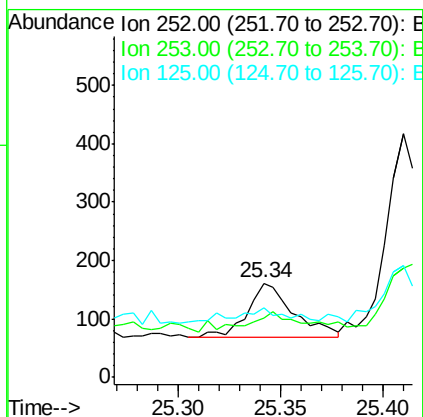
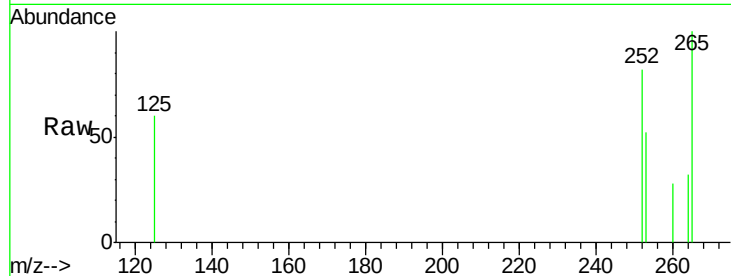




#25
Benzo(a)pyrene
Concen: 0.01 ng
RT: 25.34 min Scan# 4349
Delta R.T. -0.01 min
Lab File: BE089538.D
Acq: 6 Feb 2015 22:19

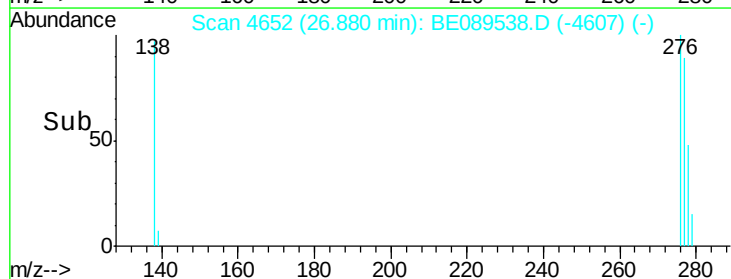
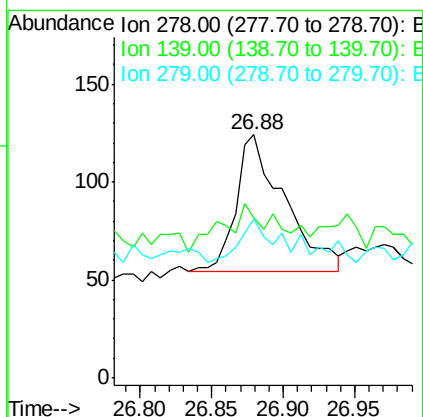
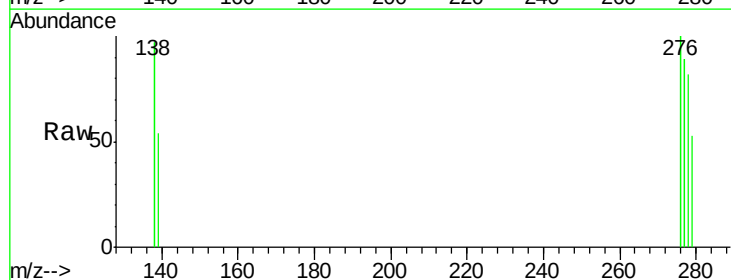
Instrument :
BNA_E
ClientSampled :
PB81635BL

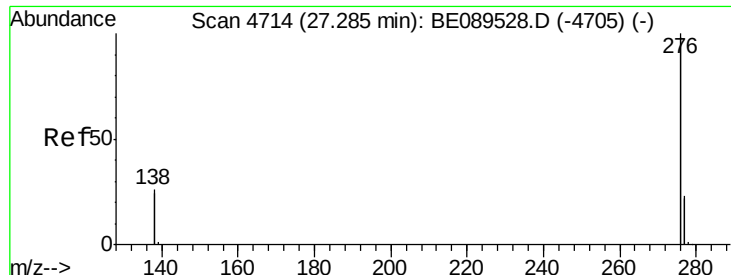
Tgt Ion: 252 Resp: 147
Ion Ratio Lower Upper
252 100
253 63.4 17.8 26.6#
125 73.3 11.4 17.2#



#26
Dibenzo(a,h)anthracene
Concen: 0.01 ng
RT: 26.88 min Scan# 4652
Delta R.T. -0.01 min
Lab File: BE089538.D
Acq: 6 Feb 2015 22:19

Tgt Ion: 278 Resp: 166
Ion Ratio Lower Upper
278 100
139 66.1 15.7 23.5#
279 65.3 19.5 29.3#





#27

Benzo(g,h,i)perylene

Concen: 0.02 ng

RT: 27.28 min Scan# 4714

Delta R.T. -0.00 min

Lab File: BE089538.D

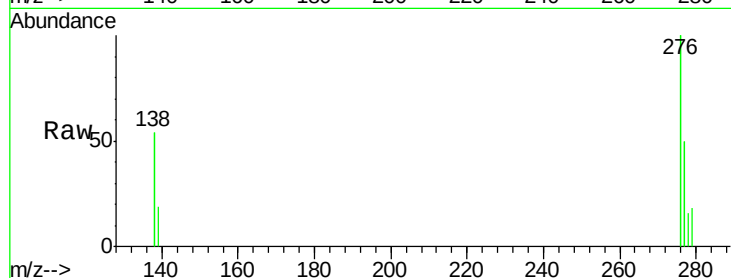
Acq: 6 Feb 2015 22:19

Instrument :

BNA_E

ClientSampleId :

PB81635BL



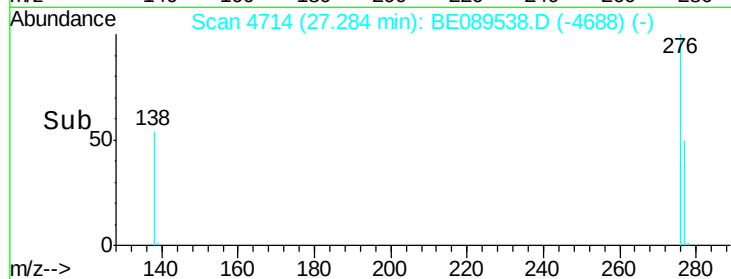
Tgt Ion: 276 Resp: 1783

Ion Ratio Lower Upper

276 100

277 49.7 18.6 27.8#

138 54.0 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

