

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032515\
 Data File : BE089854.D
 Acq On : 26 Mar 2015 2:10
 Operator : TP/JJ
 Sample : G1589-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FB

Quant Time: Mar 26 03:31:29 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

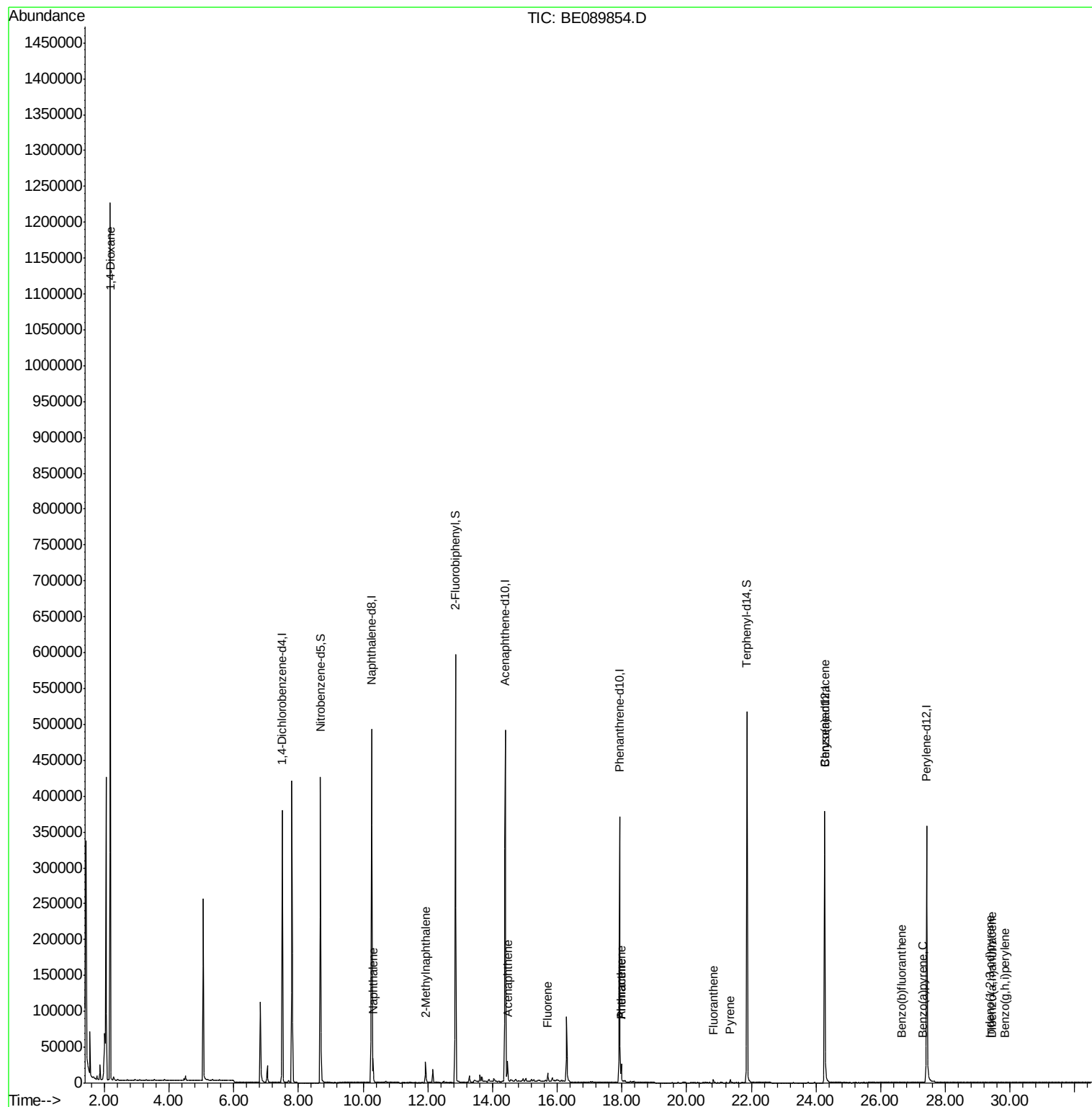
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	161091	5.00	ng	0.00
4) Naphthalene-d8	10.27	136	618901	5.00	ng	0.00
8) Acenaphthene-d10	14.40	164	286647	5.00	ng	0.01
13) Phenanthrene-d10	17.93	188	500428	5.00	ng	0.00
19) Chrysene-d12	24.27	240	481309	5.00	ng	0.00
25) Perylene-d12	27.42	264	465430	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	342319	7.61	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	560009	8.35	ng	0.00
21) Terphenyl-d14	21.87	244	692378	9.75	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.19	88	33034	1.59	ng	# 1
6) Naphthalene	10.31	128	39294	0.32	ng	# 96
7) 2-Methylnaphthalene	11.94	142	18748	0.28	ng	# 95
11) Acenaphthene	14.46	154	5369	0.09	ng	# 95
12) Fluorene	15.71	166	7661	0.10	ng	# 94
15) Pentachlorophenol	17.68	266	36	Below Cal		# 91
16) Phenanthrene	17.98	178	29816	0.27	ng	# 99
17) Anthracene	17.98	178	29816	0.30	ng	# 99
18) Fluoranthene	20.83	202	5056	0.05	ng	# 99
20) Pyrene	21.35	202	5775	0.05	ng	# 95
22) Benzo(a)anthracene	24.26	228	2818	0.03	ng	# 88
24) Indeno(1,2,3-cd)pyrene	29.40	276	244	0.42	ng	# 77
26) Benzo(b)fluoranthene	26.65	252	939	0.32	ng	# 6
28) Benzo(a)pyrene	27.31	252	507	0.30	ng	# 27
29) Dibenzo(a,h)anthracene	29.45	278	84	0.26	ng	# 1
30) Benzo(g,h,i)perylene	29.84	276	373	0.26	ng	# 11

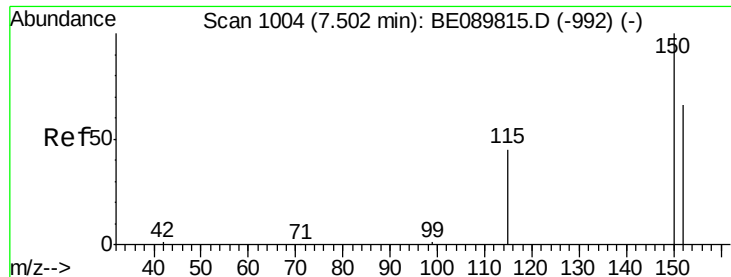
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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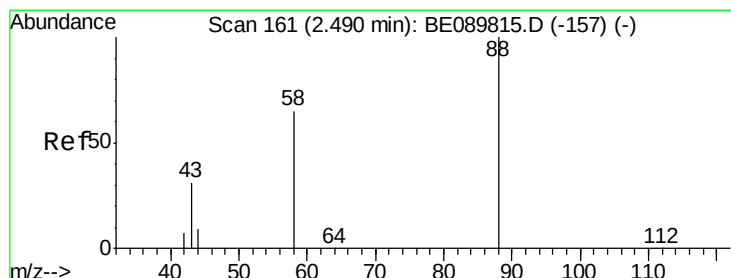
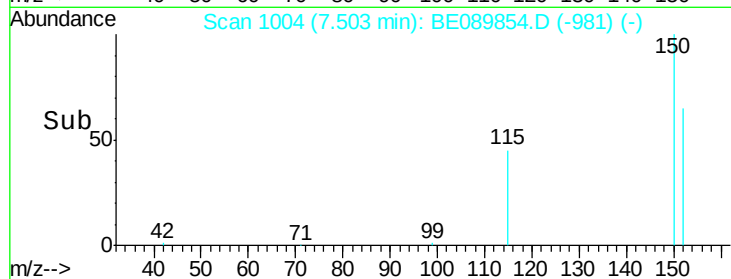
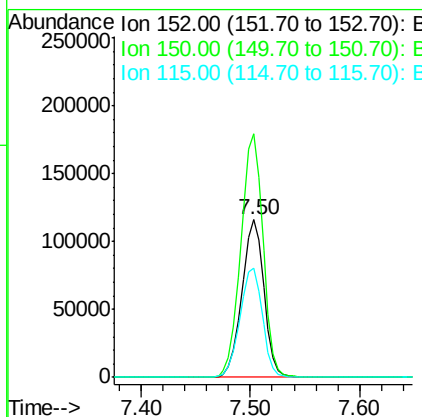
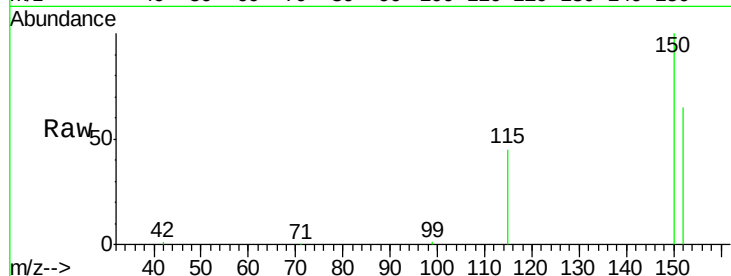




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.50 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BE089854.D
 Acq: 26 Mar 2015 2:10

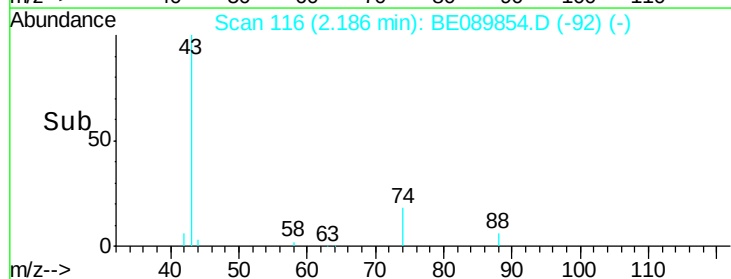
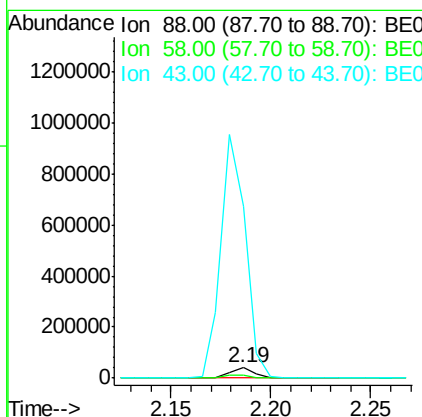
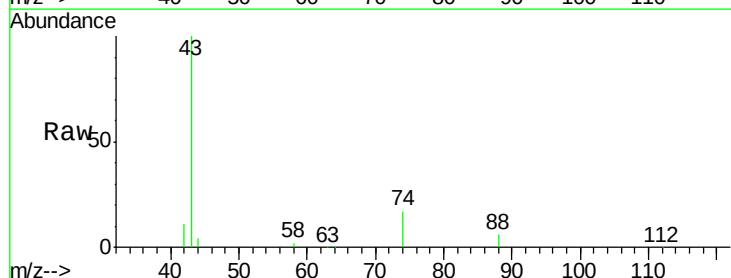
Instrument :
 BNA_E
 ClientSampled :
 FB

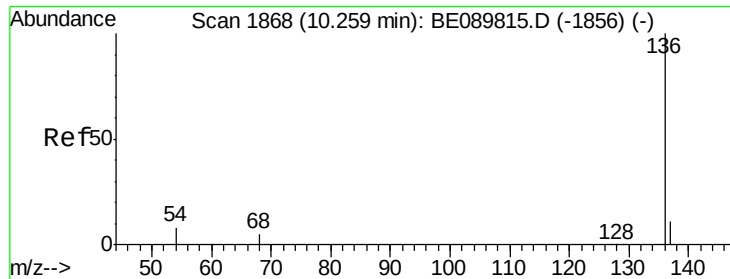
Tgt Ion: 152 Resp: 161091
 Ion Ratio Lower Upper
 152 100
 150 154.8 125.5 188.3
 115 69.8 58.0 87.0



#2
 1,4-Dioxane
 Concen: 1.59 ng
 RT: 2.19 min Scan# 116
 Delta R.T. -0.34 min
 Lab File: BE089854.D
 Acq: 26 Mar 2015 2:10

Tgt Ion: 88 Resp: 33034
 Ion Ratio Lower Upper
 88 100
 58 31.4 48.6 72.8#
 43 2465.9 28.6 43.0#





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.27 min Scan# 1869

Delta R.T. 0.01 min

Lab File: BE089854.D

Acq: 26 Mar 2015 2:10

Instrument :

BNA_E

ClientSampleId :

FB

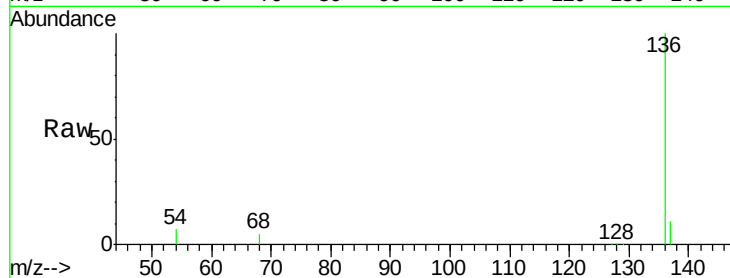
Tgt Ion: 136 Resp: 618901

Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

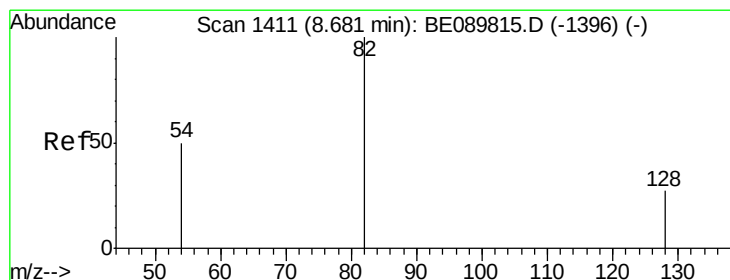
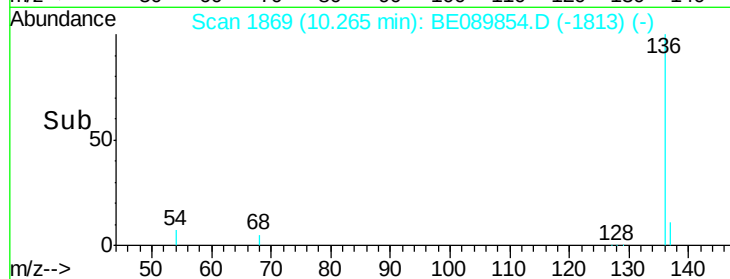
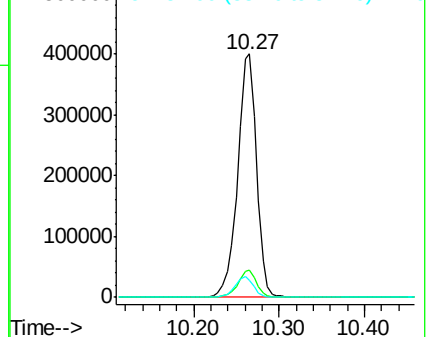
54 7.1 7.0 10.4



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: 7.61 ng

RT: 8.68 min Scan# 1411

Delta R.T. -0.00 min

Lab File: BE089854.D

Acq: 26 Mar 2015 2:10

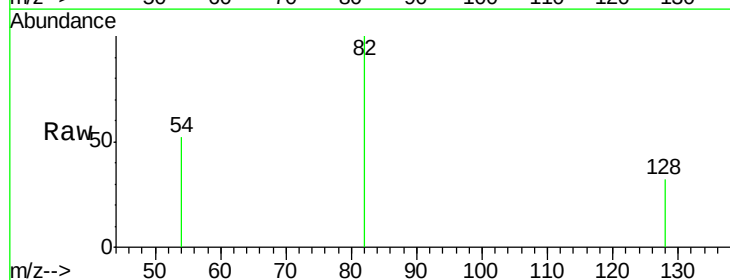
Tgt Ion: 82 Resp: 342319

Ion Ratio Lower Upper

82 100

128 31.6 24.6 37.0

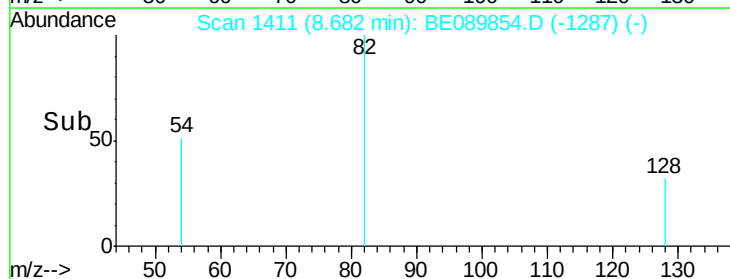
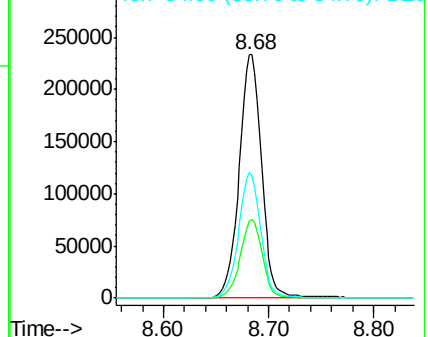
54 51.5 43.0 64.6

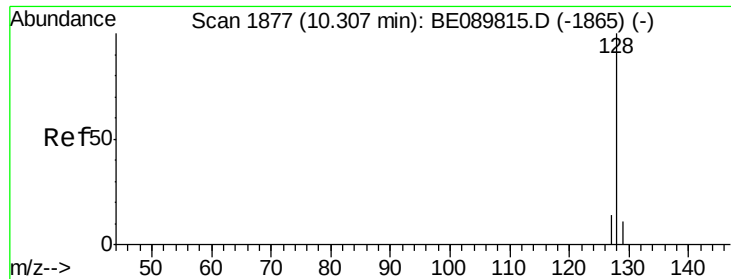


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#6

Naphthalene

Concen: 0.32 ng

RT: 10.31 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BE089854.D

Acq: 26 Mar 2015 2:10

Instrument :

BNA_E

ClientSampleId :

FB

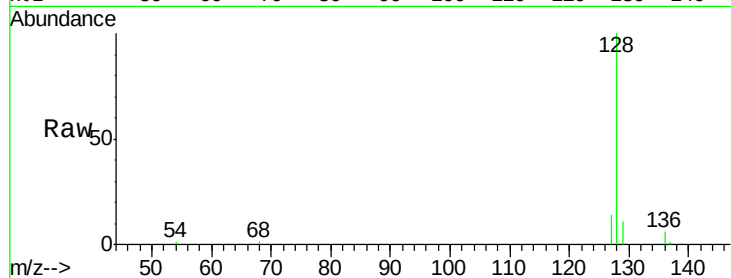
Tgt Ion:128 Resp: 39294

Ion Ratio Lower Upper

128 100

129 10.8 10.0 15.0

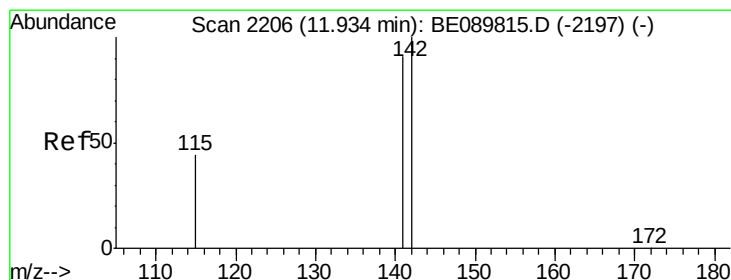
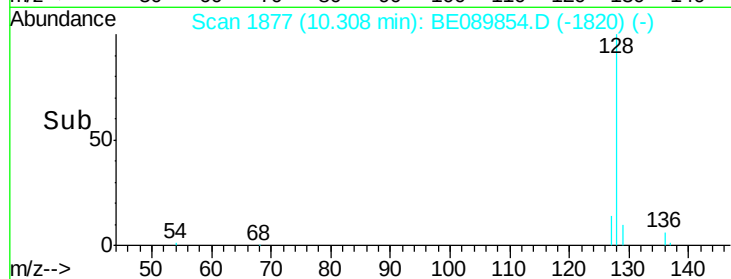
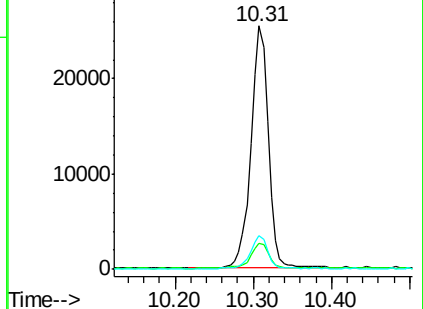
127 14.0 12.5 18.7



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: 0.28 ng

RT: 11.94 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE089854.D

Acq: 26 Mar 2015 2:10

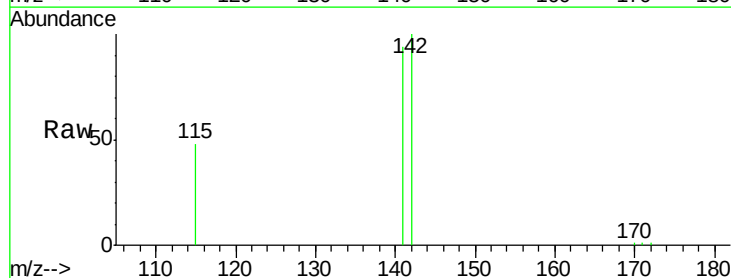
Tgt Ion:142 Resp: 18748

Ion Ratio Lower Upper

142 100

141 93.7 72.8 109.2

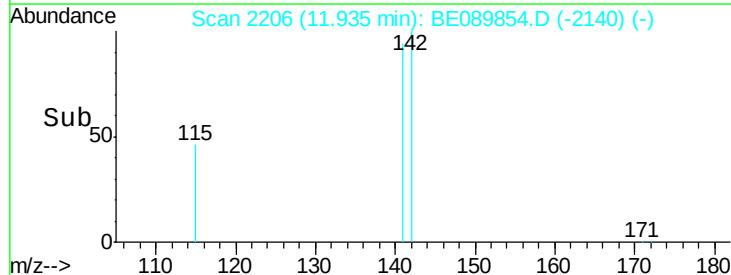
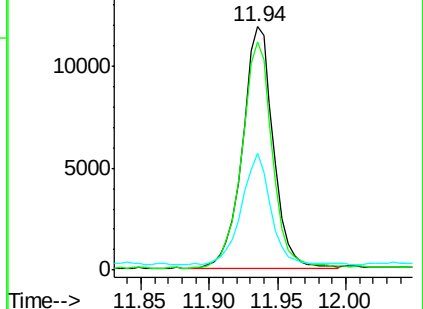
115 48.0 32.9 49.3

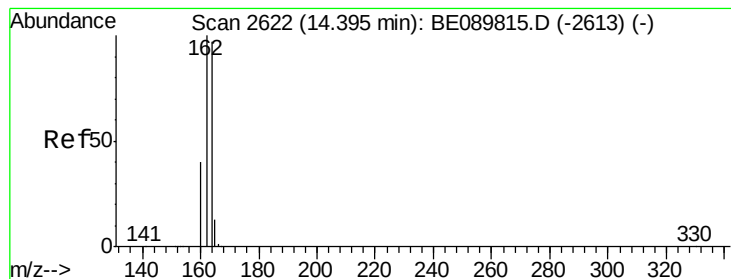


Abundance Ion 142.00 (141.70 to 142.70): E

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# 2622

Delta R.T. 0.01 min

Lab File: BE089854.D

Acq: 26 Mar 2015 2:10

Instrument :

BNA_E

ClientSampleId :

FB

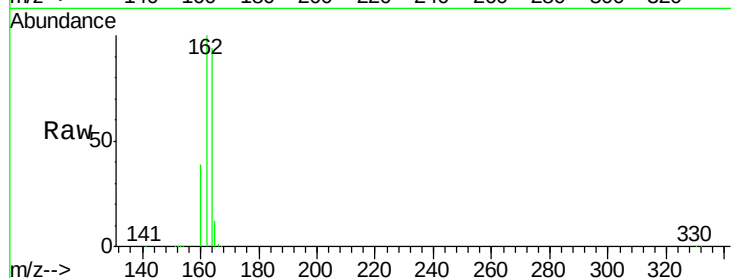
Tgt Ion:164 Resp: 286647

Ion Ratio Lower Upper

164 100

162 106.6 87.6 131.4

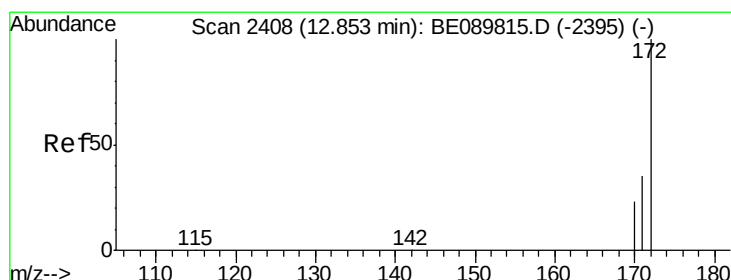
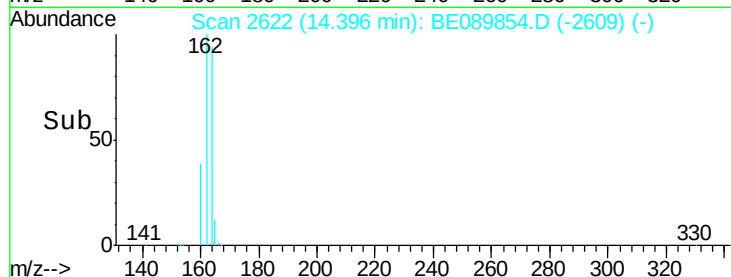
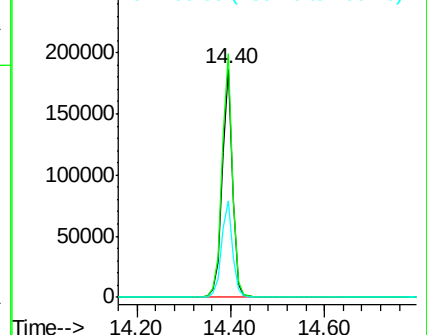
160 42.0 36.7 55.1



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



#9

2-Fluorobiphenyl

Concen: 8.35 ng

RT: 12.85 min Scan# 2408

Delta R.T. 0.00 min

Lab File: BE089854.D

Acq: 26 Mar 2015 2:10

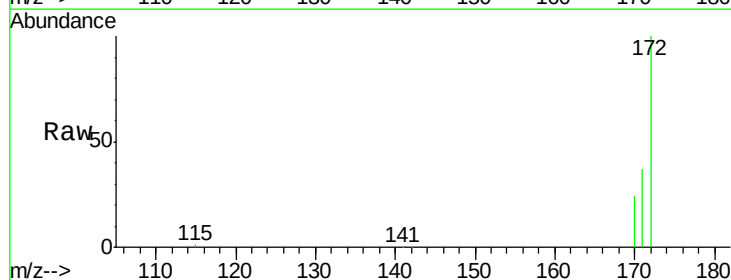
Tgt Ion:172 Resp: 560009

Ion Ratio Lower Upper

172 100

171 36.8 30.8 46.2

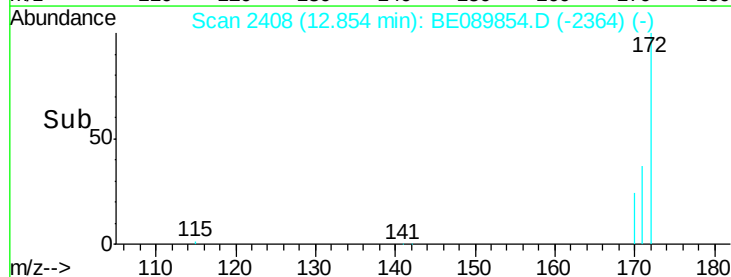
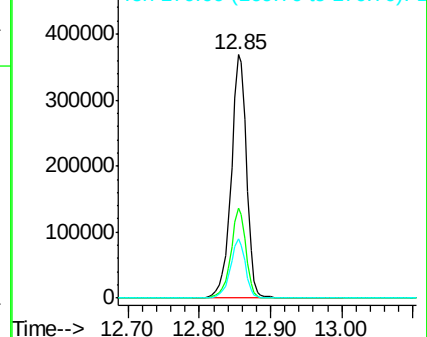
170 24.2 21.0 31.4

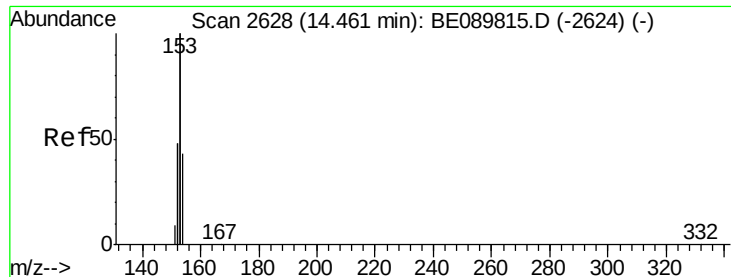


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#11

Acenaphthene

Concen: 0.09 ng

RT: 14.46 min Scan# 2628

Delta R.T. -0.00 min

Lab File: BE089854.D

Acq: 26 Mar 2015 2:10

Instrument :

BNA_E

ClientSampleId :

FB

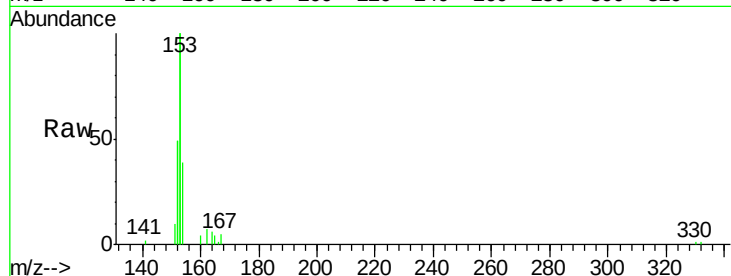
Tgt Ion:154 Resp: 5369

Ion Ratio Lower Upper

154 100

153 504.7 401.5 602.3

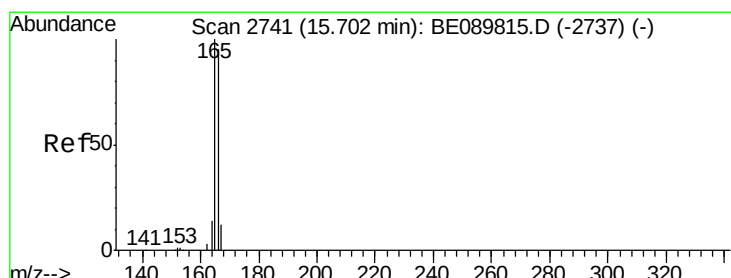
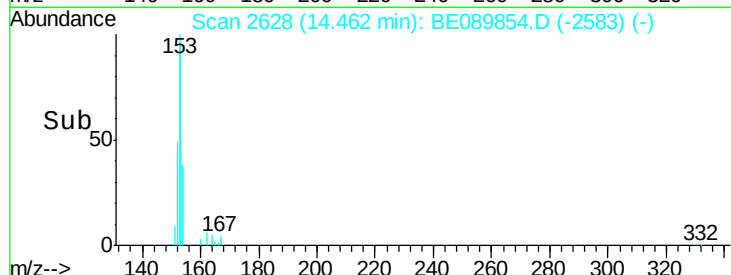
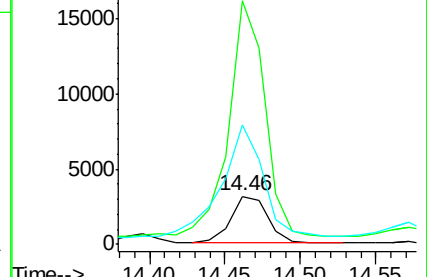
152 272.1 198.6 298.0



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



#12

Fluorene

Concen: 0.10 ng

RT: 15.71 min Scan# 2742

Delta R.T. -0.00 min

Lab File: BE089854.D

Acq: 26 Mar 2015 2:10

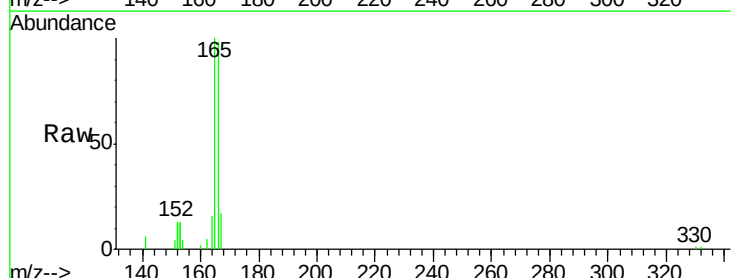
Tgt Ion:166 Resp: 7661

Ion Ratio Lower Upper

166 100

165 99.7 85.1 127.7

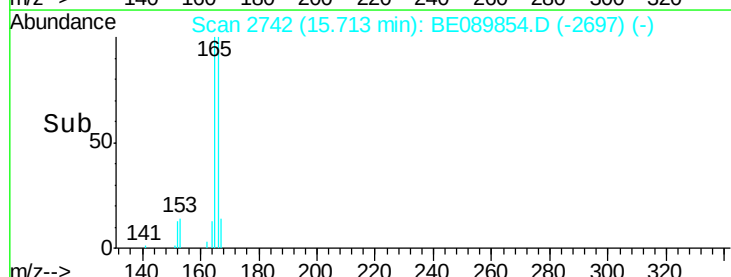
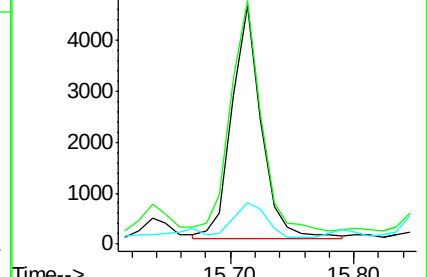
167 16.4 12.2 18.4

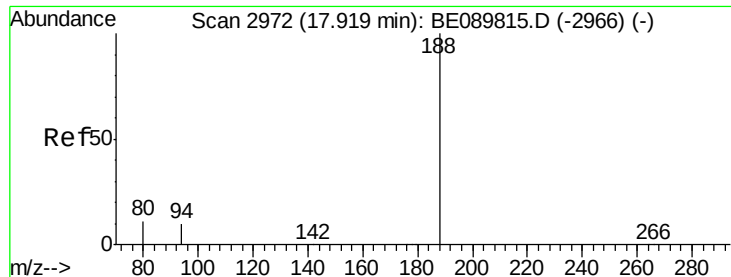


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

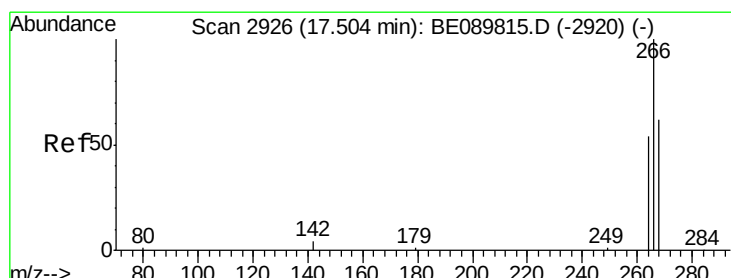
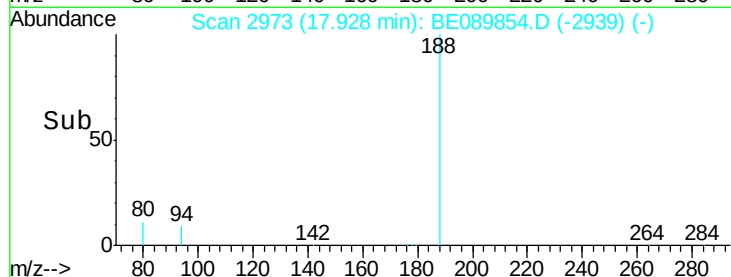
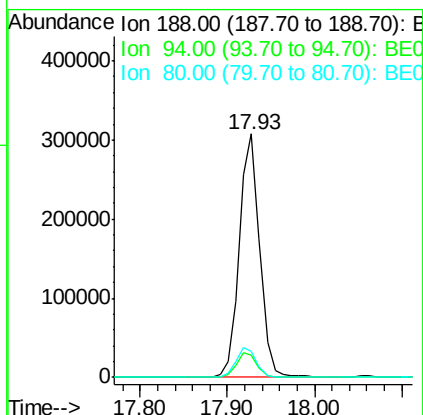
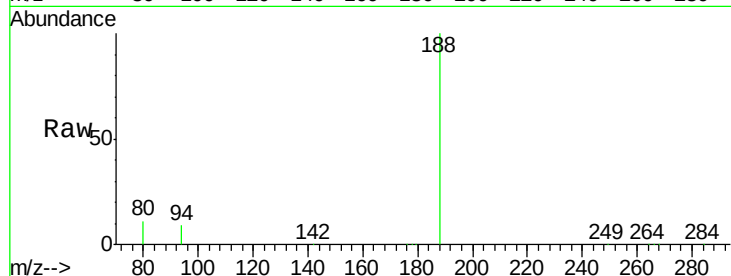




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.93 min Scan# 2973
Delta R.T. 0.01 min
Lab File: BE089854.D
Acq: 26 Mar 2015 2:10

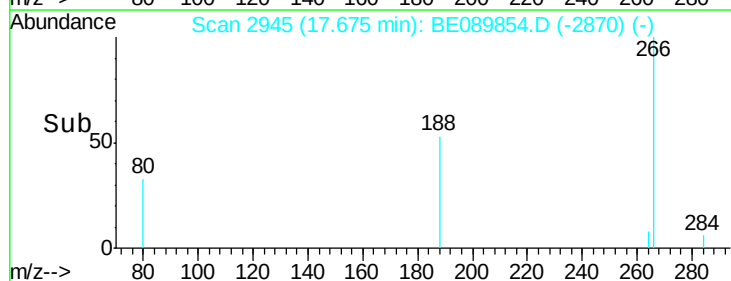
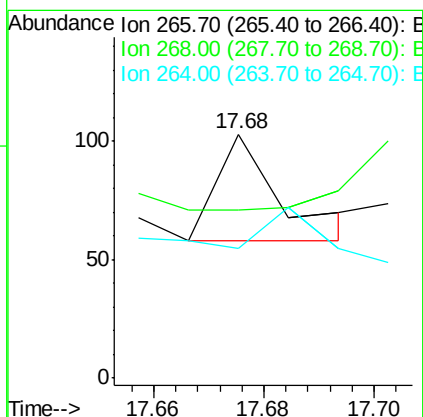
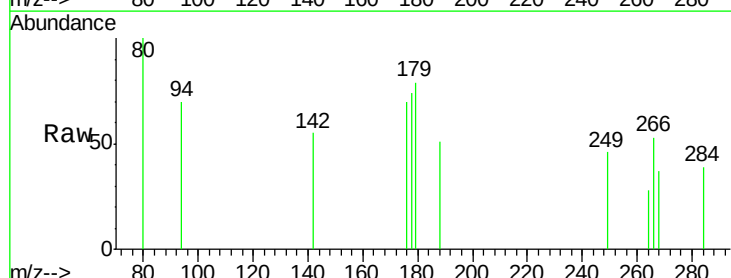
Instrument :
BNA_E
ClientSampleId :
FB

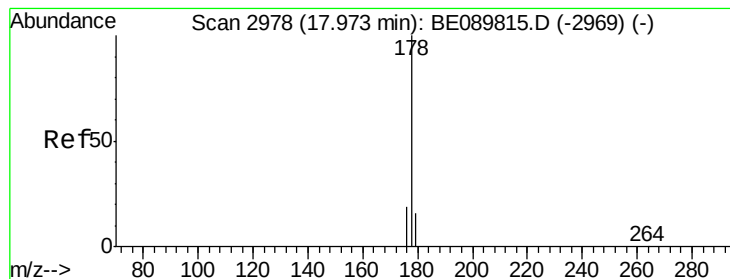
Tgt Ion:188 Resp: 500428
Ion Ratio Lower Upper
188 100
94 9.2 8.5 12.7
80 10.8 10.0 15.0



#15
Pentachlorophenol
Concen: Below Cal
RT: 17.68 min Scan# 2945
Delta R.T. 0.17 min
Lab File: BE089854.D
Acq: 26 Mar 2015 2:10

Tgt Ion:266 Resp: 36
Ion Ratio Lower Upper
266 100
268 68.9 51.6 77.4
264 53.4 50.2 75.2





#16

Phenanthrene

Concen: 0.27 ng

RT: 17.98 min Scan# 2979

Delta R.T. 0.01 min

Lab File: BE089854.D

Acq: 26 Mar 2015 2:10

Instrument :

BNA_E

ClientSampleId :

FB

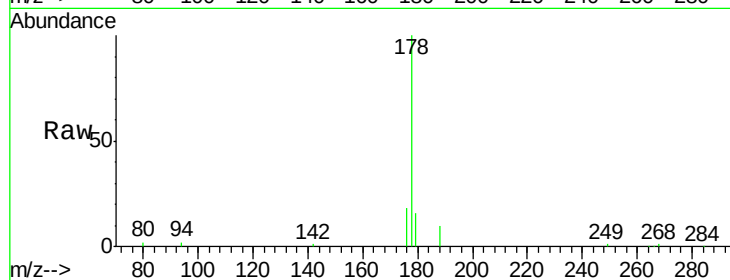
Tgt Ion:178 Resp: 29816

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

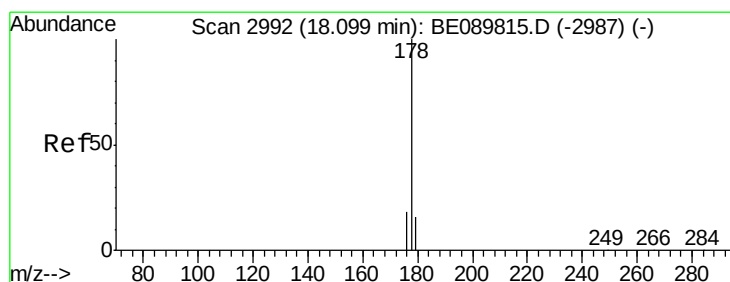
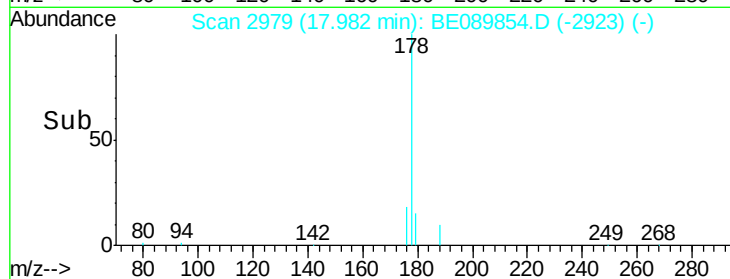
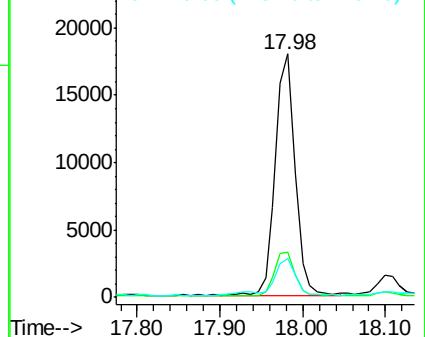
179 15.1 12.2 18.4



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



#17

Anthracene

Concen: 0.30 ng

RT: 17.98 min Scan# 2979

Delta R.T. -0.12 min

Lab File: BE089854.D

Acq: 26 Mar 2015 2:10

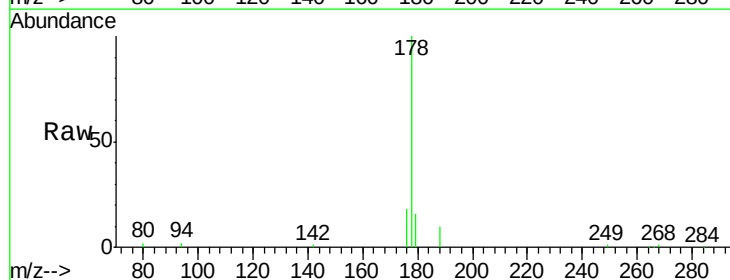
Tgt Ion:178 Resp: 29816

Ion Ratio Lower Upper

178 100

176 19.0 14.6 21.8

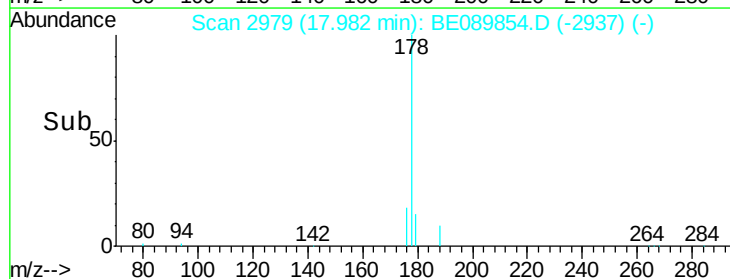
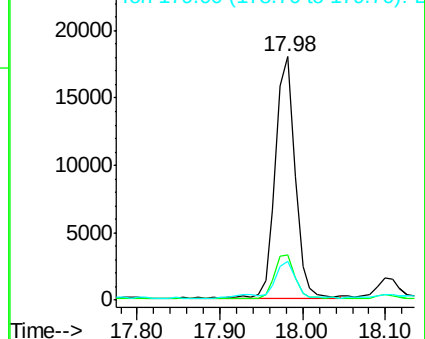
179 15.1 12.1 18.1

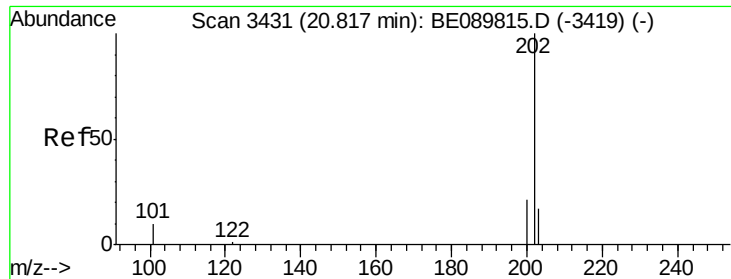


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

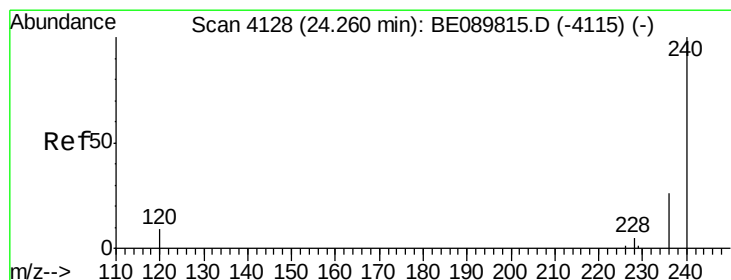
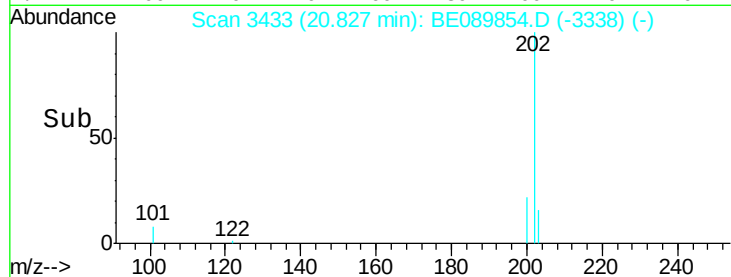
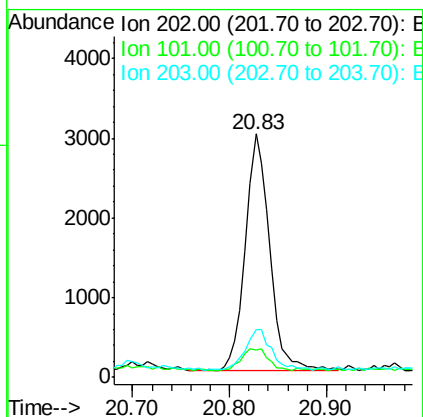
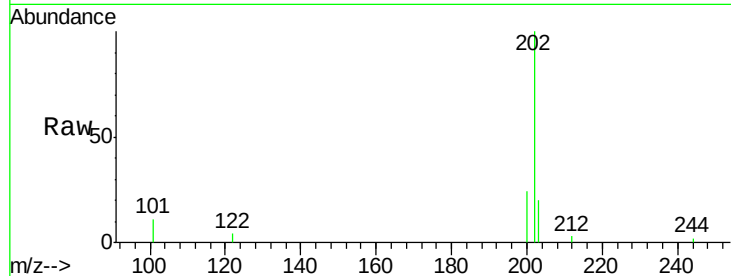




#18
 Fluoranthene
 Concen: 0.05 ng
 RT: 20.83 min Scan# 3433
 Delta R.T. 0.00 min
 Lab File: BE089854.D
 Acq: 26 Mar 2015 2:10

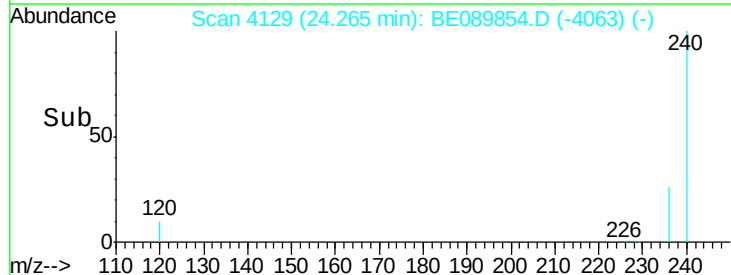
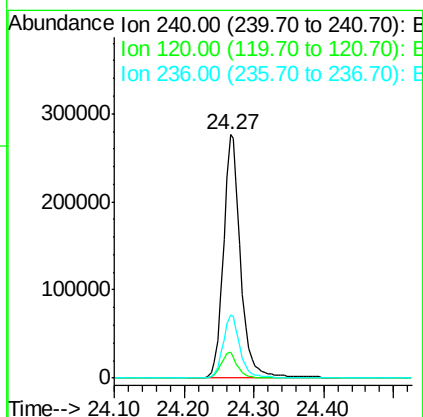
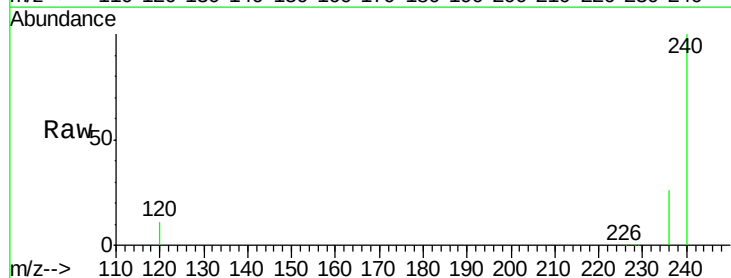
Instrument :
 BNA_E
 ClientSampleId :
 FB

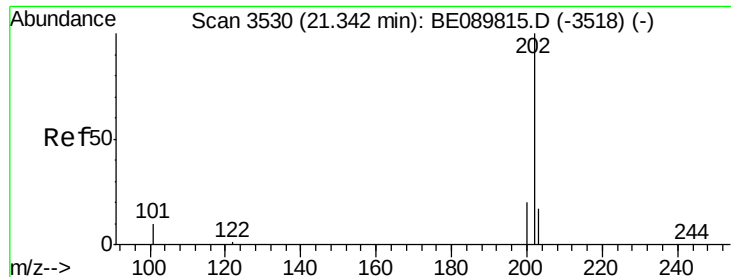
Tgt Ion: 202 Resp: 5056
 Ion Ratio Lower Upper
 202 100
 101 10.0 8.2 12.2
 203 18.6 14.2 21.4



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 24.27 min Scan# 4129
 Delta R.T. 0.00 min
 Lab File: BE089854.D
 Acq: 26 Mar 2015 2:10

Tgt Ion: 240 Resp: 481309
 Ion Ratio Lower Upper
 240 100
 120 10.5 7.5 11.3
 236 26.1 20.5 30.7

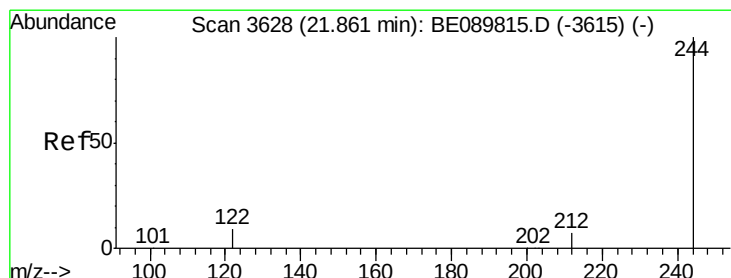
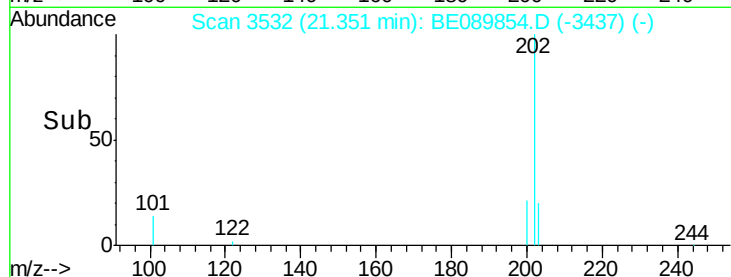
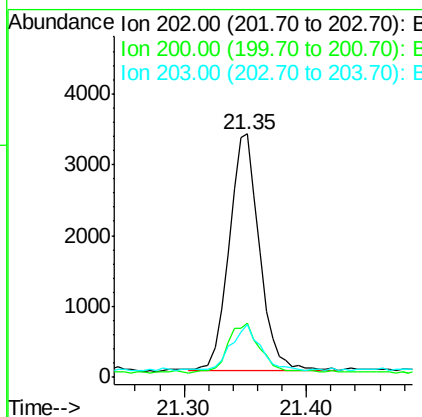
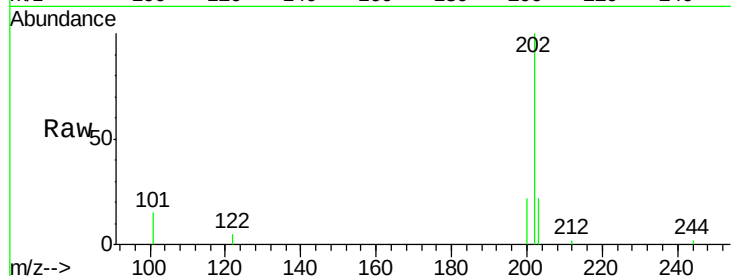




#20
Pyrene
Concen: 0.05 ng
RT: 21.35 min Scan# 3532
Delta R.T. 0.00 min
Lab File: BE089854.D
Acq: 26 Mar 2015 2:10

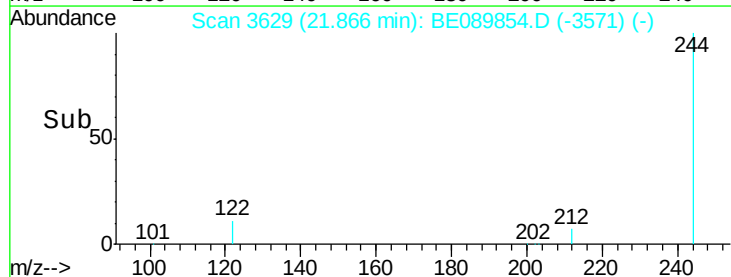
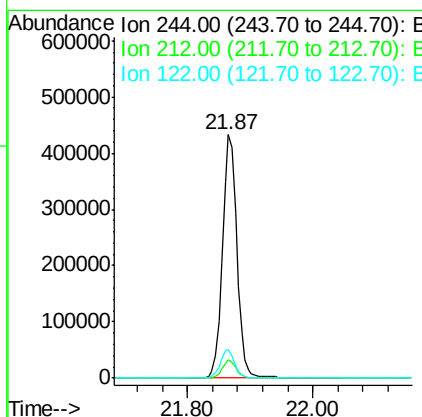
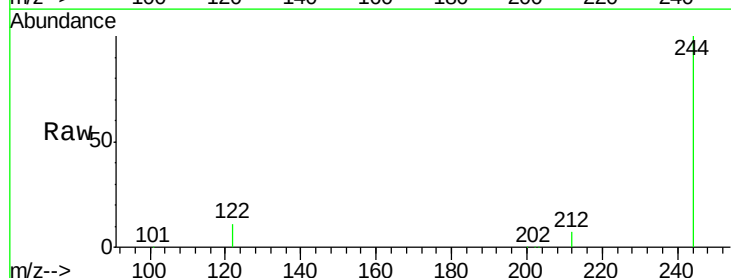
Instrument :
BNA_E
ClientSampleId :
FB

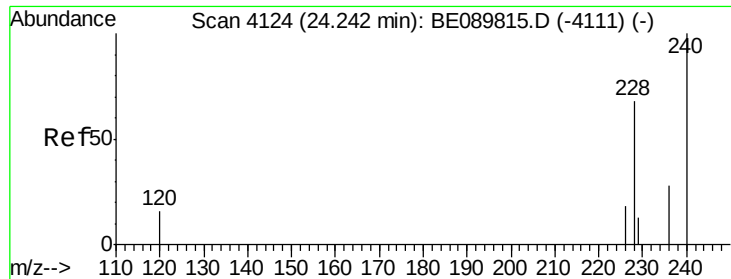
Tgt Ion: 202 Resp: 5775
Ion Ratio Lower Upper
202 100
200 22.6 15.9 23.9
203 18.5 13.6 20.4



#21
Terphenyl-d14
Concen: 9.75 ng
RT: 21.87 min Scan# 3629
Delta R.T. 0.00 min
Lab File: BE089854.D
Acq: 26 Mar 2015 2:10

Tgt Ion: 244 Resp: 692378
Ion Ratio Lower Upper
244 100
212 7.4 7.3 10.9
122 11.5 10.5 15.7





#22

Benzo(a)anthracene

Concen: 0.03 ng

RT: 24.26 min Scan# 4127

Delta R.T. 0.01 min

Lab File: BE089854.D

Acq: 26 Mar 2015 2:10

Instrument :

BNA_E

ClientSampleId :

FB

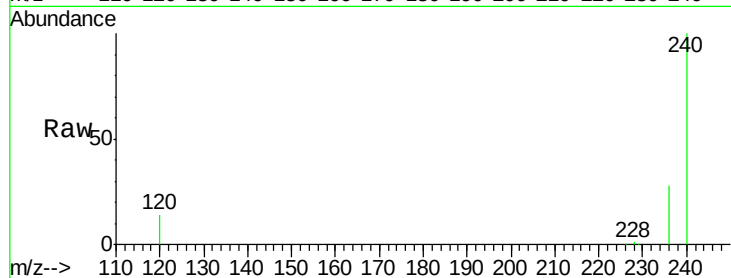
Tgt Ion: 228 Resp: 2818

Ion Ratio Lower Upper

228 100

226 20.9 19.8 29.8

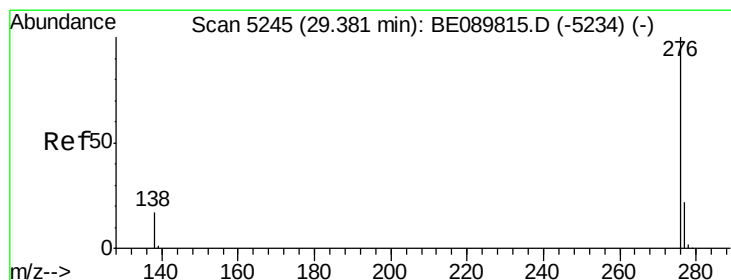
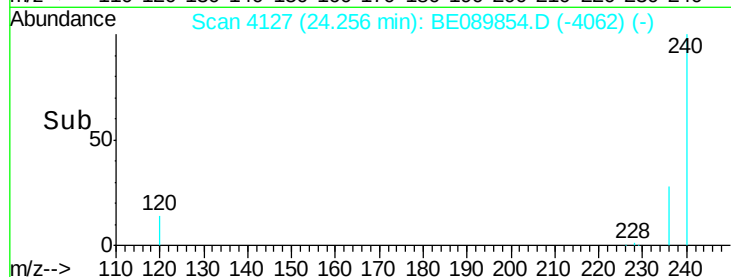
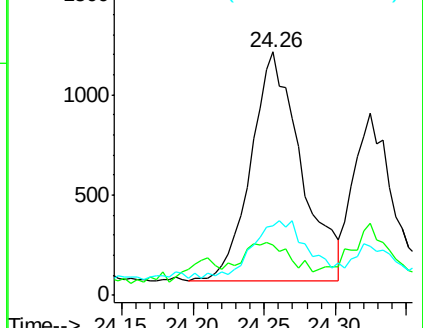
229 28.8 16.3 24.5#



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

Indeno(1,2,3-cd)pyrene

Concen: 0.42 ng

RT: 29.40 min Scan# 5249

Delta R.T. 0.01 min

Lab File: BE089854.D

Acq: 26 Mar 2015 2:10

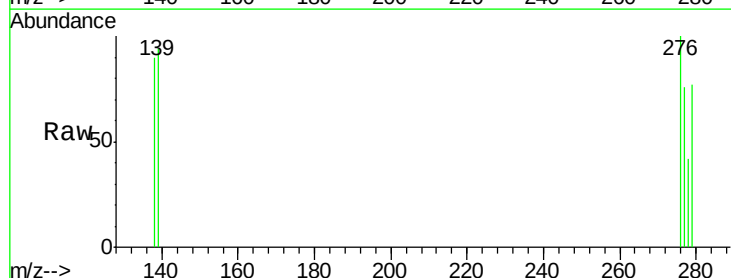
Tgt Ion: 276 Resp: 244

Ion Ratio Lower Upper

276 100

138 0.0 4.3 6.5#

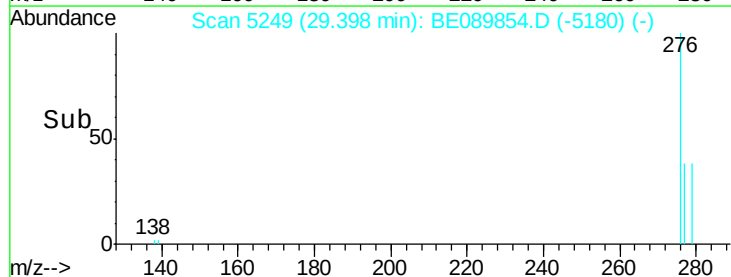
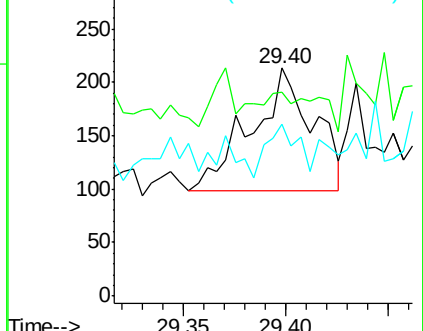
277 21.3 9.0 13.4#

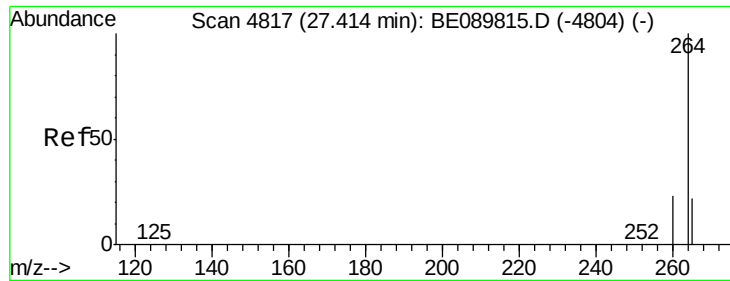


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

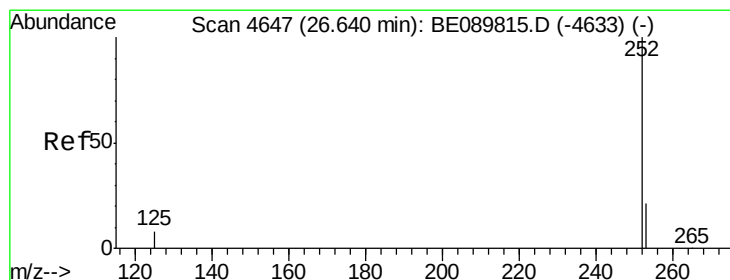
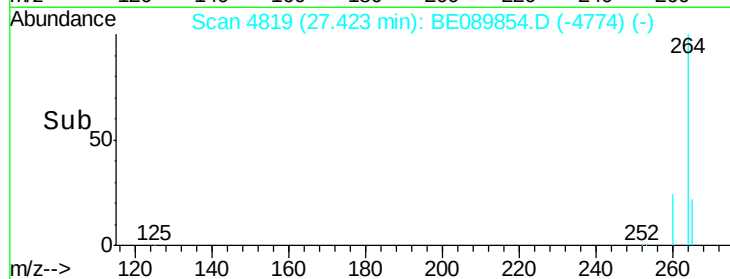
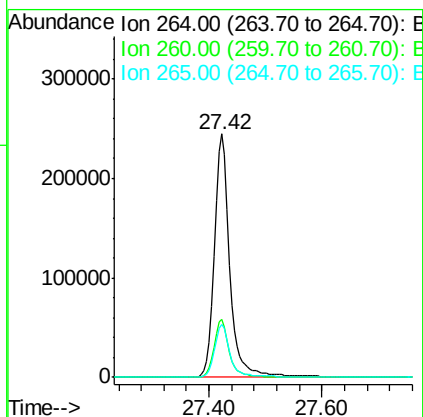
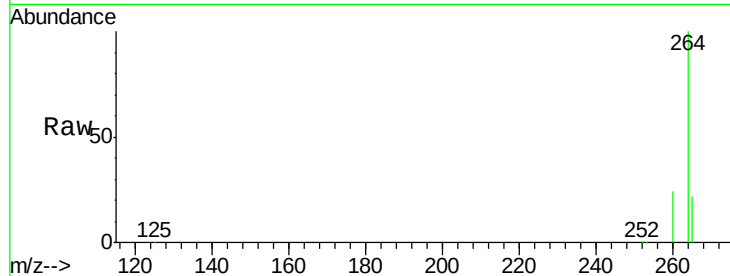




#25
Perylene-d12
 Concen: 5.00 ng
 RT: 27.42 min Scan# 4819
 Delta R.T. 0.01 min
 Lab File: BE089854.D
 Acq: 26 Mar 2015 2:10

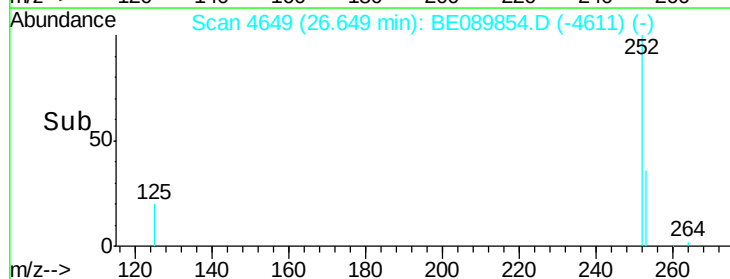
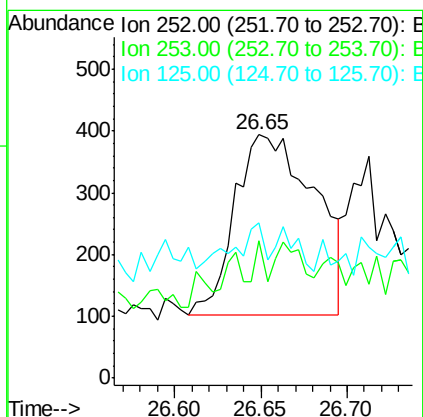
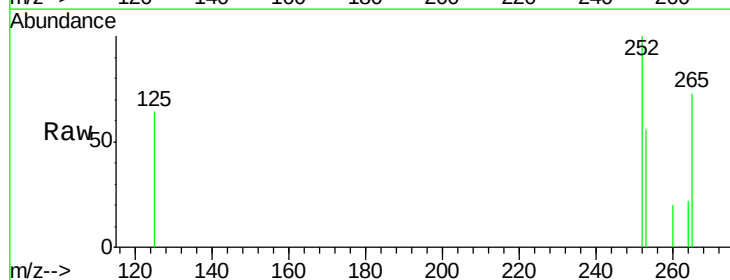
Instrument :
 BNA_E
 ClientSampleId :
 FB

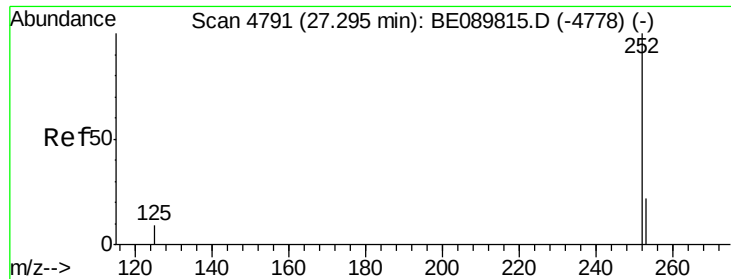
Tgt Ion: 264 Resp: 465430
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.2 27.2
 265 21.7 17.3 25.9



#26
Benzo(b)fluoranthene
 Concen: 0.32 ng
 RT: 26.65 min Scan# 4649
 Delta R.T. 0.01 min
 Lab File: BE089854.D
 Acq: 26 Mar 2015 2:10

Tgt Ion: 252 Resp: 939
 Ion Ratio Lower Upper
 252 100
 253 56.3 17.8 26.6#
 125 64.0 8.7 13.1#





#28

Benzo(a)pyrene

Concen: 0.30 ng

RT: 27.31 min Scan# 4794

Delta R.T. 0.01 min

Lab File: BE089854.D

Acq: 26 Mar 2015 2:10

Instrument :

BNA_E

ClientSampled :

FB

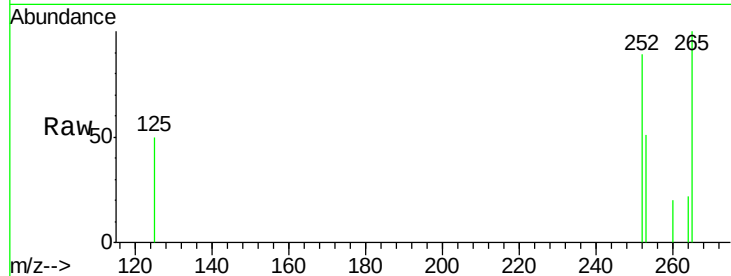
Tgt Ion: 252 Resp: 507

Ion Ratio Lower Upper

252 100

253 57.4 21.0 31.4#

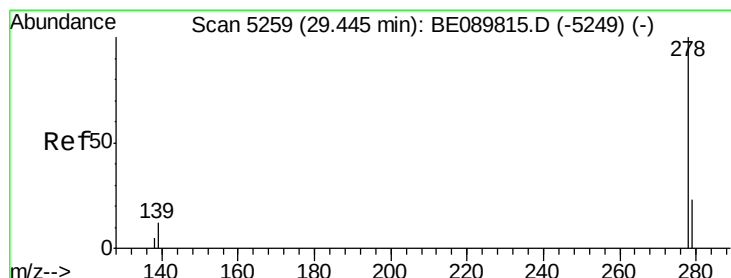
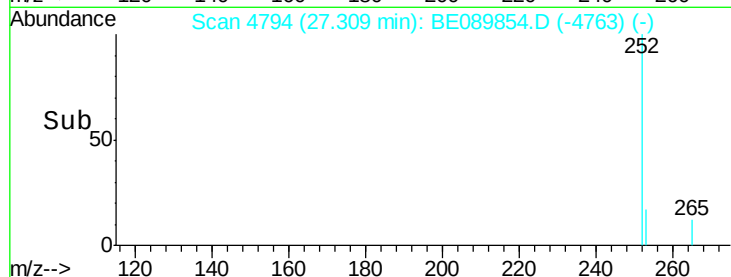
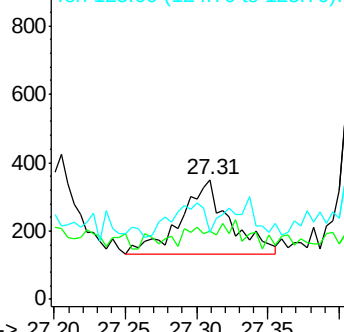
125 56.3 13.3 19.9#



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



#29

Dibenzo(a,h)anthracene

Concen: 0.26 ng

RT: 29.45 min Scan# 5261

Delta R.T. 0.01 min

Lab File: BE089854.D

Acq: 26 Mar 2015 2:10

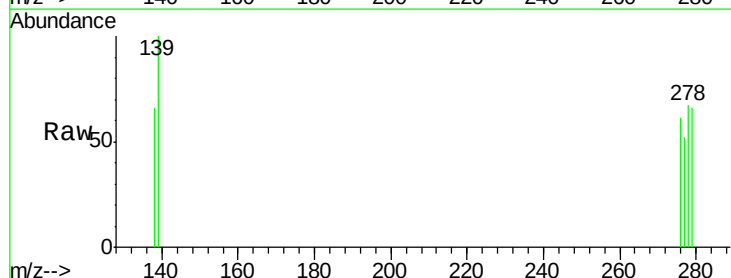
Tgt Ion: 278 Resp: 84

Ion Ratio Lower Upper

278 100

139 150.0 20.0 30.0#

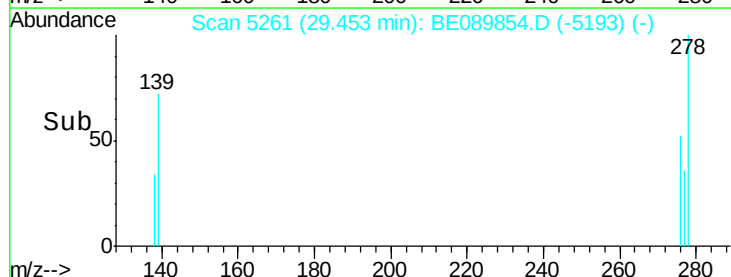
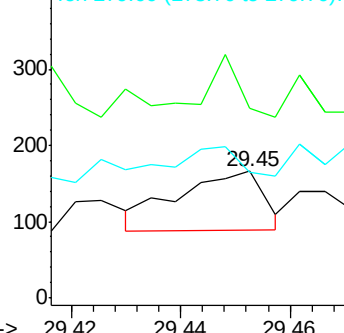
279 99.4 28.9 43.3#

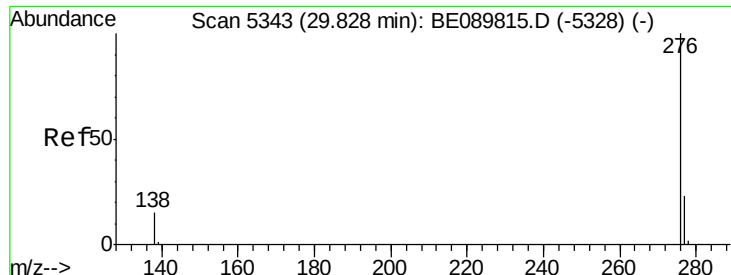


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.26 ng

RT: 29.84 min Scan# 5347

Delta R.T. 0.02 min

Lab File: BE089854.D

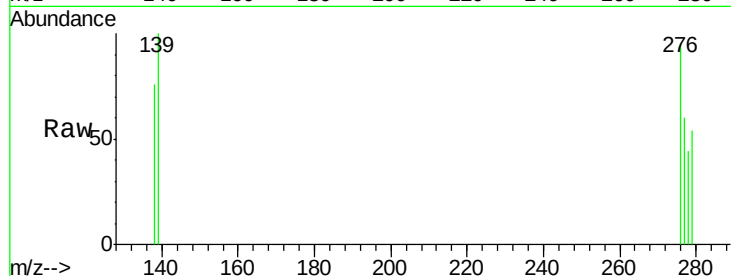
Acq: 26 Mar 2015 2:10

Instrument :

BNA_E

ClientSampleId :

FB



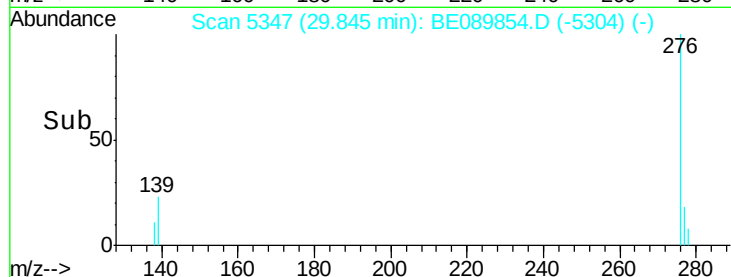
Tgt Ion: 276 Resp: 373

Ion Ratio Lower Upper

276 100

277 63.2 19.2 28.8#

138 80.1 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

