

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 07:14:21 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

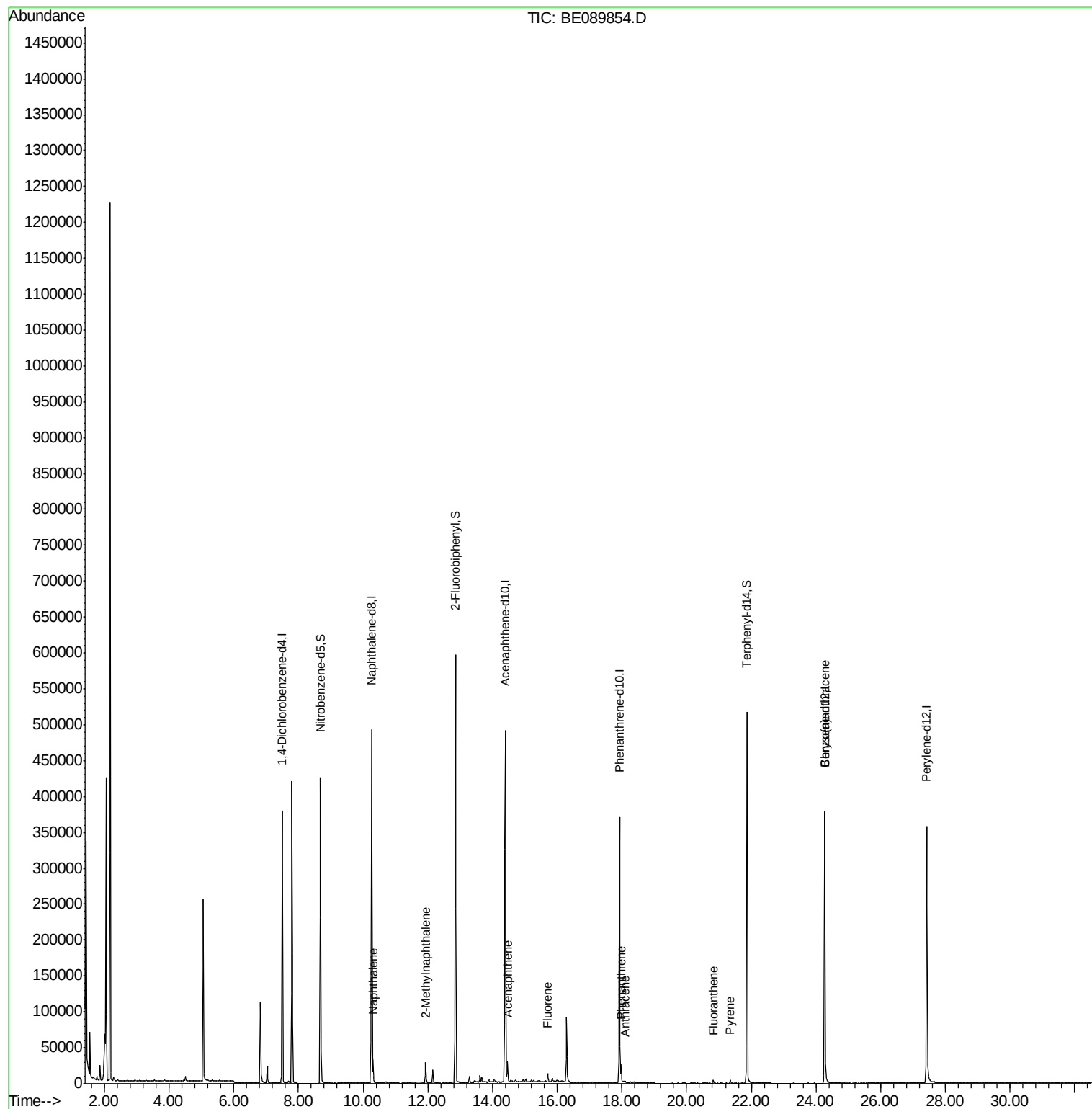
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	161091	5.00	ng	0.00
4) Naphthalene-d8	10.27	136	618901	5.00	ng	0.00
8) Acenaphthene-d10	14.40	164	286647	5.00	ng	0.01
13) Phenanthrene-d10	17.93	188	500428	5.00	ng	0.00
19) Chrysene-d12	24.27	240	481309	5.00	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
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
16) Phenanthrene	17.98	178	29816	0.27	ng	99
17) Anthracene	18.10	178	2821m	0.03	ng	
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

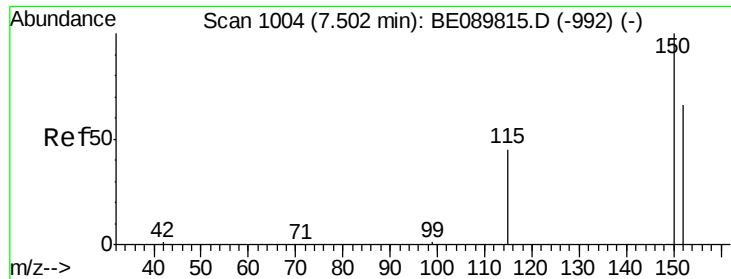
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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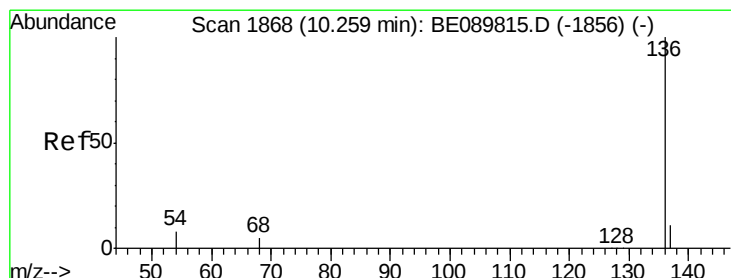
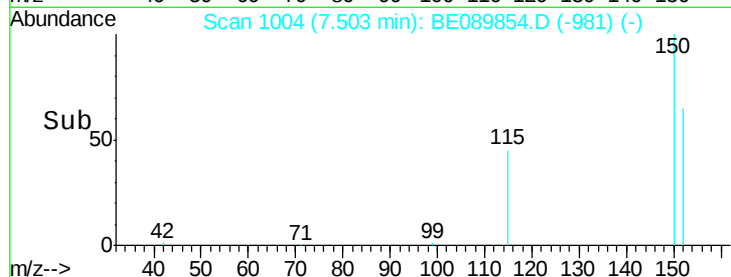
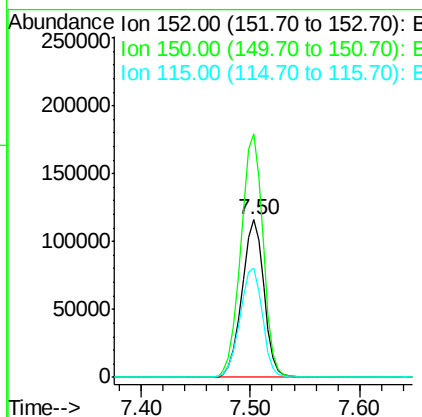
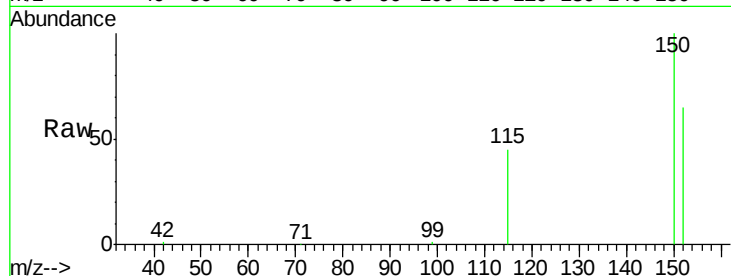




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.50 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BE089854.D
 Acq: 26 Mar 2015 2:10

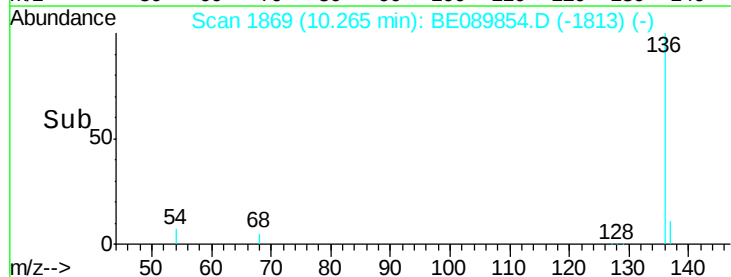
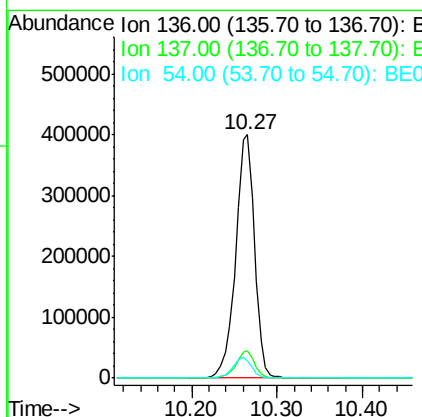
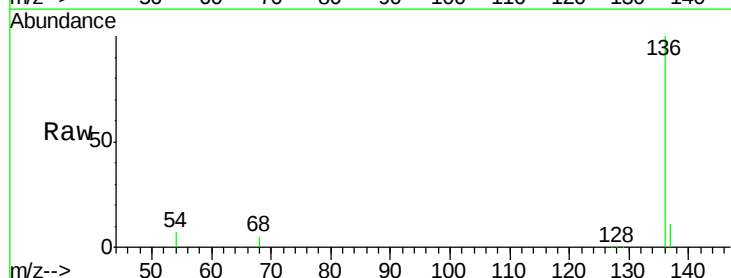
Instrument :
 BNA_E
 ClientSampleId :
 FB

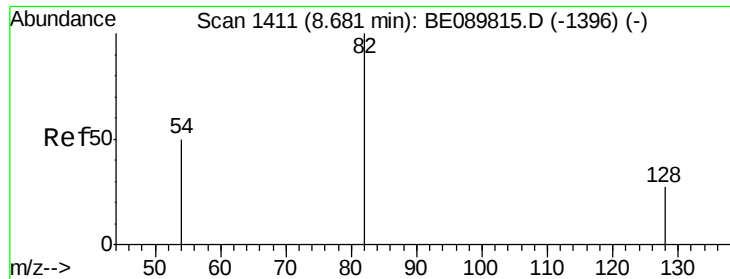
Tgt Ion:152 Resp: 161091
 Ion Ratio Lower Upper
 152 100
 150 154.8 125.5 188.3
 115 69.8 58.0 87.0



#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

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





#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

Instrument :

BNA_E

ClientSampleId :

FB

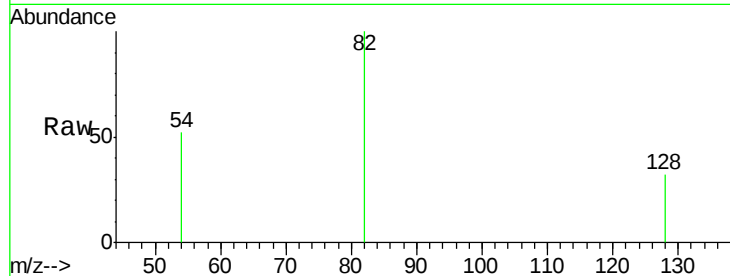
Tgt Ion: 82 Resp: 342319

Ion Ratio Lower Upper

82 100

128 31.6 24.6 37.0

54 51.5 43.0 64.6

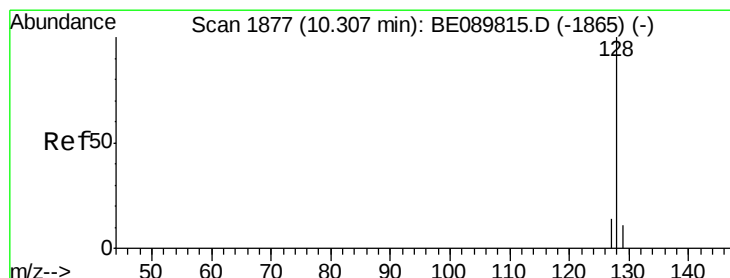
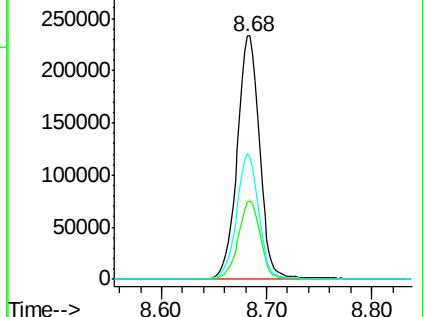
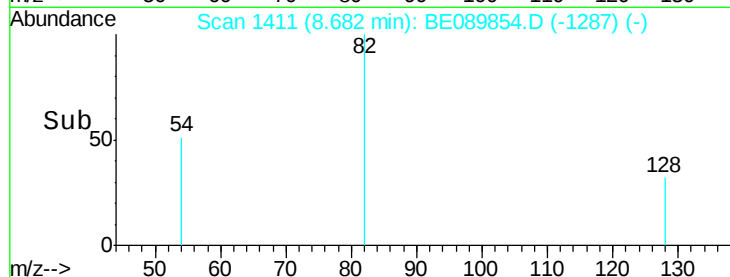


Abundance Ion 82.00 (81.70 to 82.70): BE089815.D (-1396) (-)

Ion 128.00 (127.70 to 128.70): BE089815.D (-1396) (-)

Ion 54.00 (53.70 to 54.70): BE089815.D (-1396) (-)

Time-->



#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

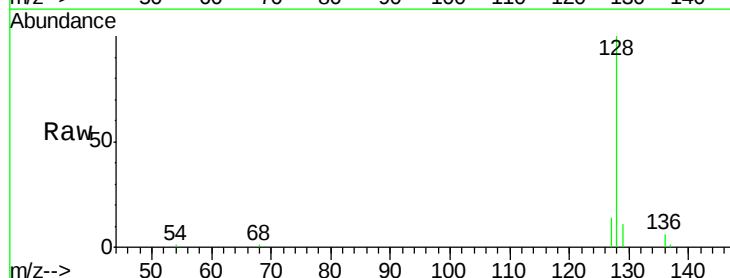
Tgt Ion: 128 Resp: 39294

Ion Ratio Lower Upper

128 100

129 10.8 10.0 15.0

127 14.0 12.5 18.7

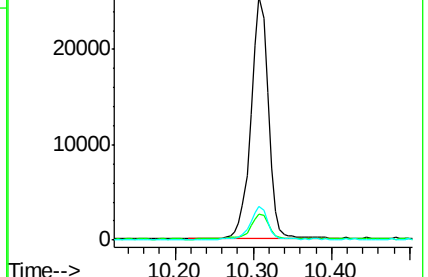
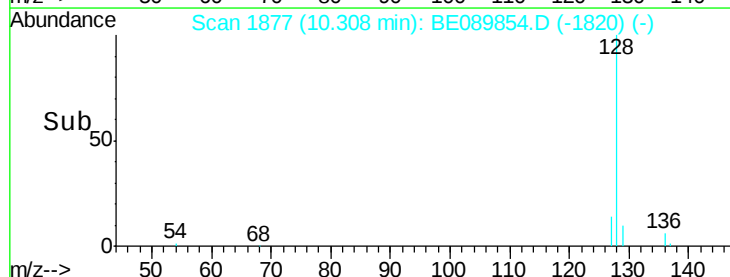


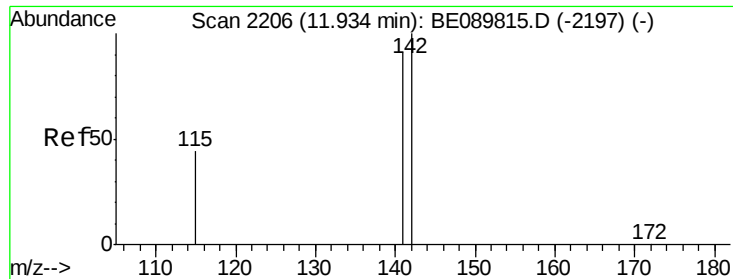
Abundance Ion 128.00 (127.70 to 128.70): BE089815.D (-1865) (-)

Ion 129.00 (128.70 to 129.70): BE089815.D (-1865) (-)

Ion 127.00 (126.70 to 127.70): BE089815.D (-1865) (-)

Time-->





#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

Instrument :

BNA_E

ClientSampleId :

FB

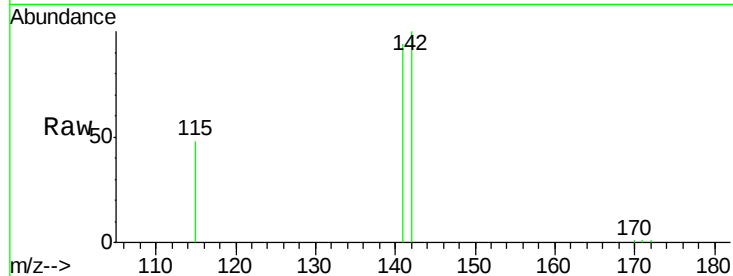
Tgt Ion:142 Resp: 18748

Ion Ratio Lower Upper

142 100

141 93.7 72.8 109.2

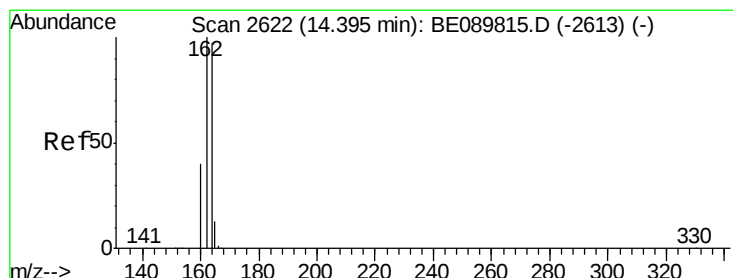
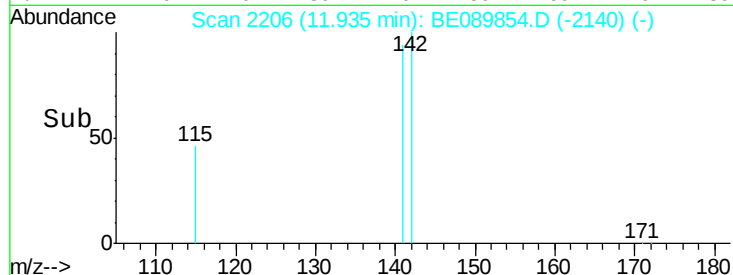
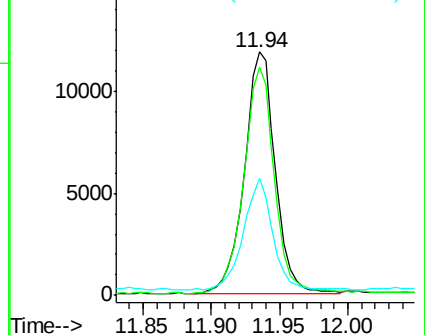
115 48.0 32.9 49.3



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

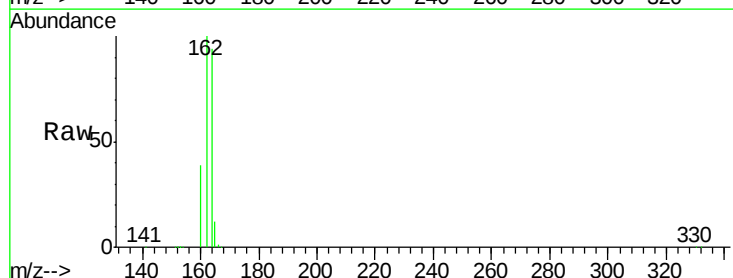
Tgt Ion:164 Resp: 286647

Ion Ratio Lower Upper

164 100

162 106.6 87.6 131.4

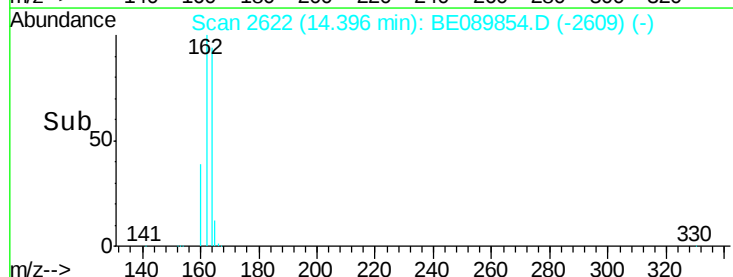
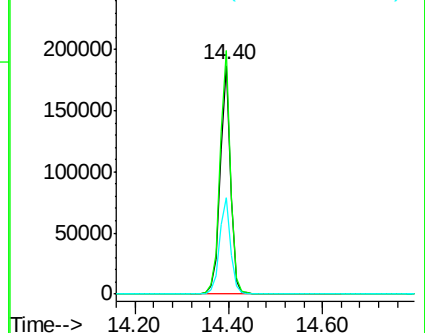
160 42.0 36.7 55.1

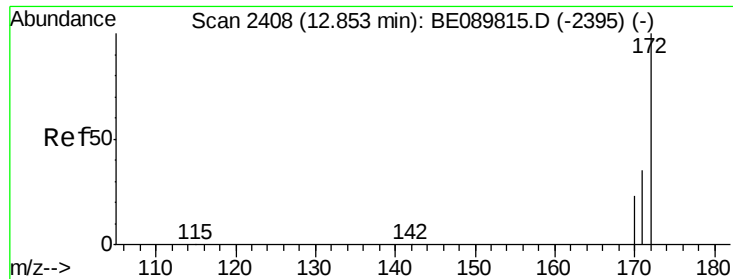


Abundance Ion 164.00 (163.70 to 164.70): E

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

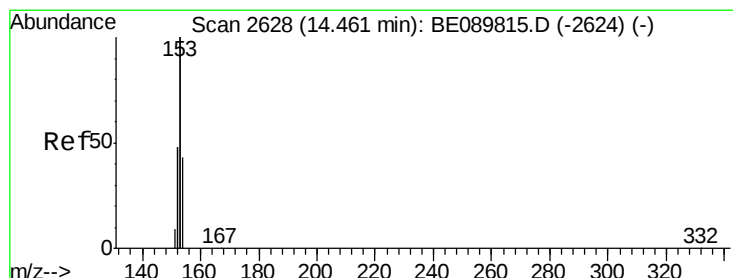
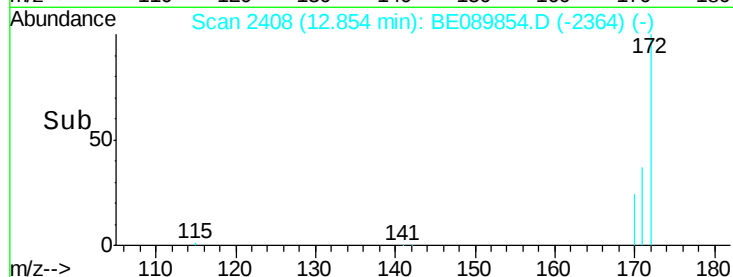
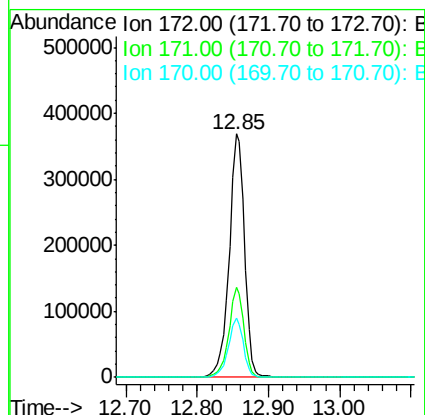
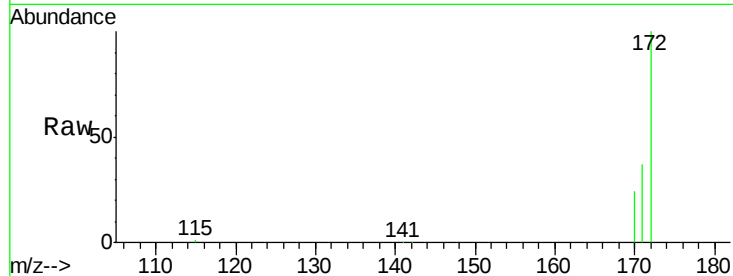
Instrument :

BNA_E

ClientSampleId :

FB

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



#11

Acenaphthene

Concen: 0.09 ng

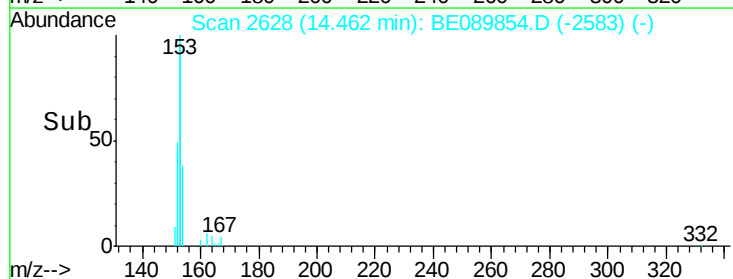
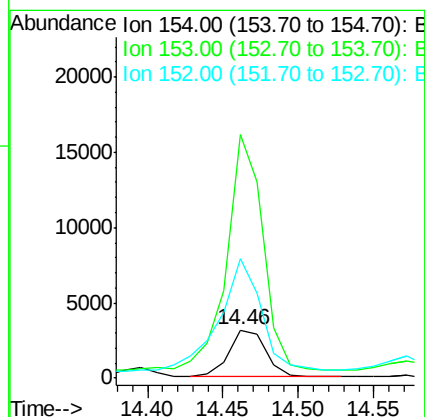
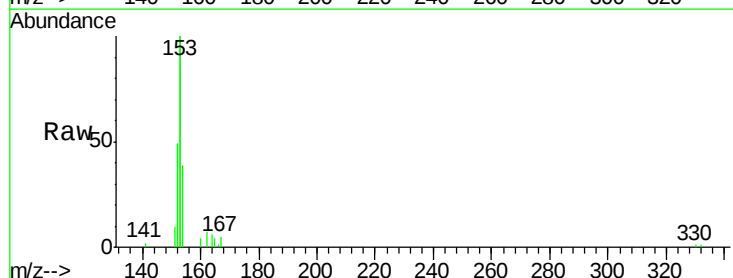
RT: 14.46 min Scan# 2628

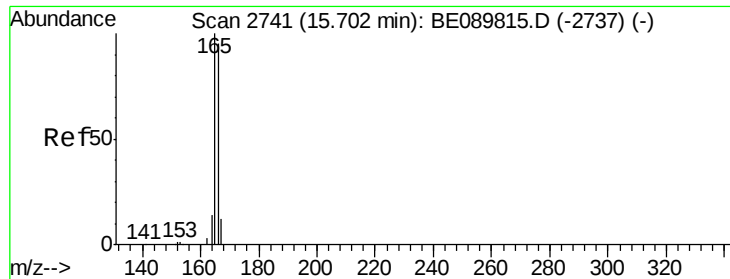
Delta R.T. -0.00 min

Lab File: BE089854.D

Acq: 26 Mar 2015 2:10

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





#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

Instrument :

BNA_E

ClientSampleId :

FB

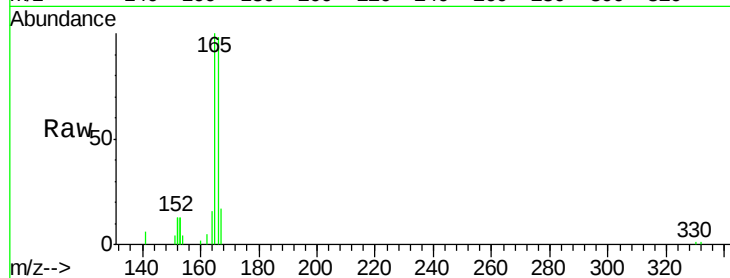
Tgt Ion:166 Resp: 7661

Ion Ratio Lower Upper

166 100

165 99.7 85.1 127.7

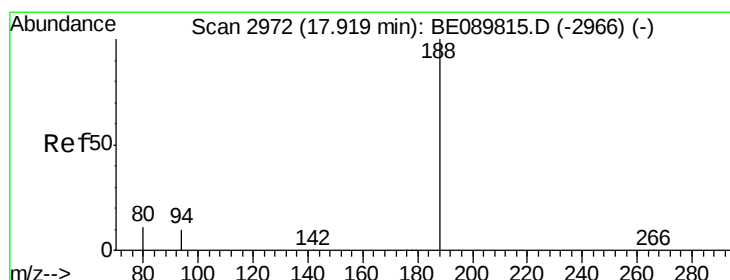
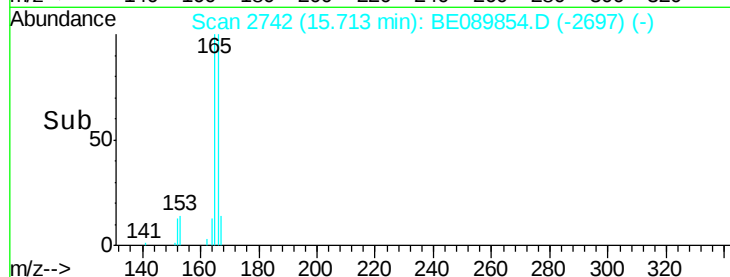
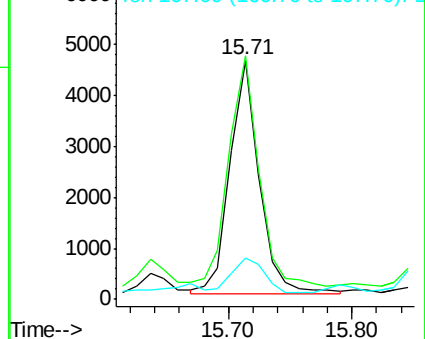
167 16.4 12.2 18.4



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

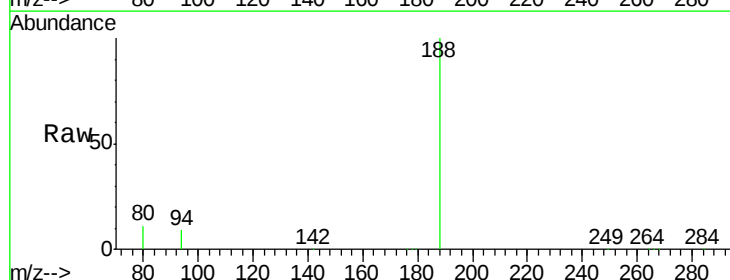
Tgt Ion:188 Resp: 500428

Ion Ratio Lower Upper

188 100

94 9.2 8.5 12.7

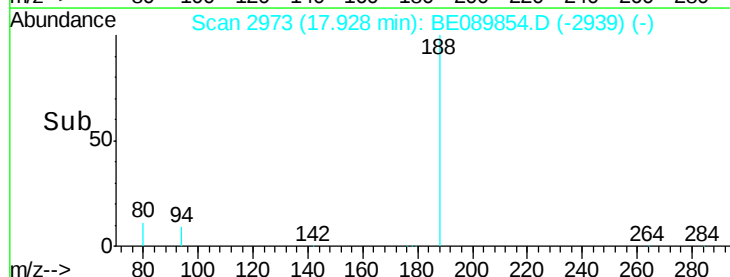
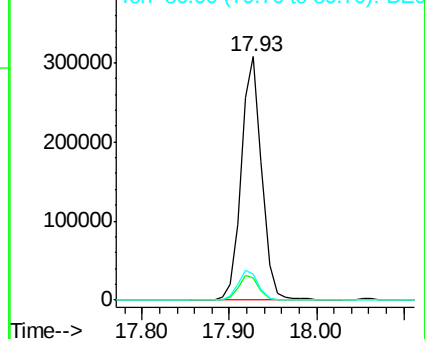
80 10.8 10.0 15.0

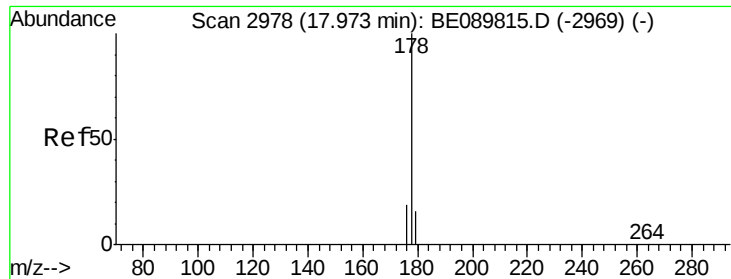


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#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

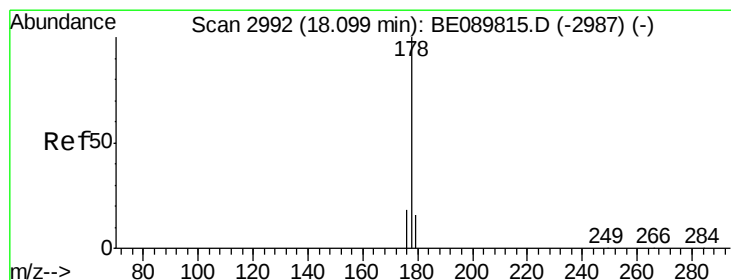
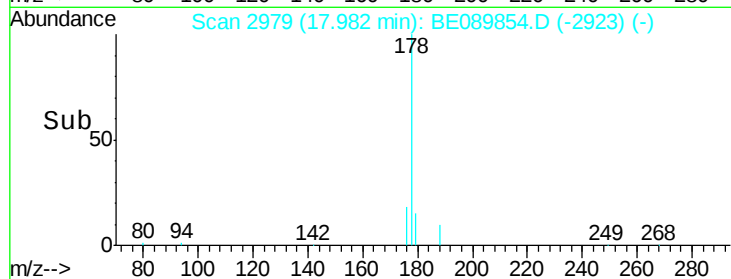
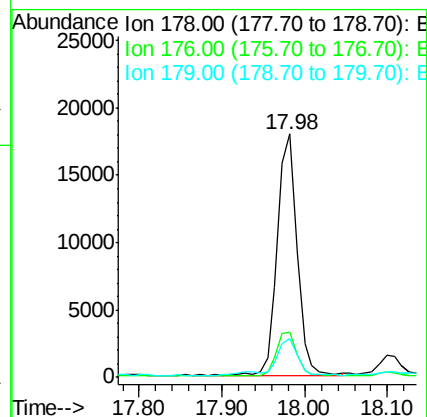
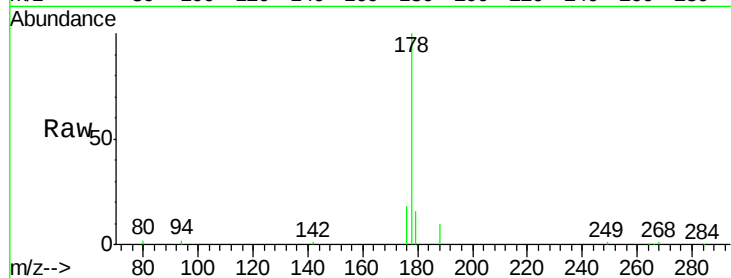
Tgt Ion:178 Resp: 29816

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

179 15.1 12.2 18.4



#17

Anthracene

Concen: 0.03 ng m

RT: 18.10 min Scan# 2992

Delta R.T. -0.00 min

Lab File: BE089854.D

Acq: 26 Mar 2015 2:10

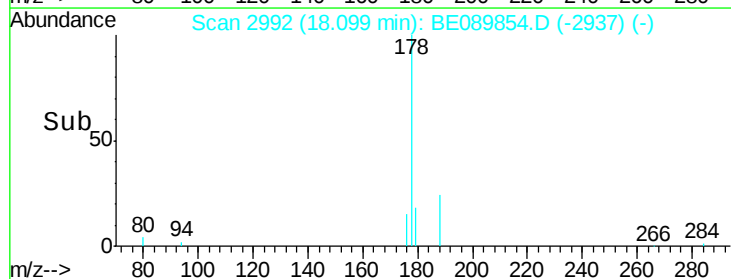
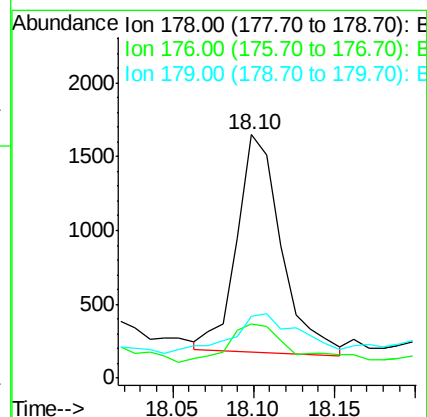
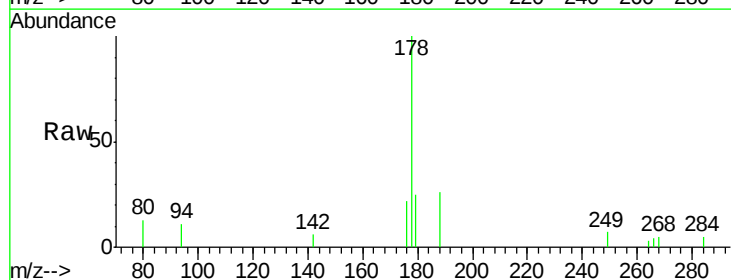
Tgt Ion:178 Resp: 2821

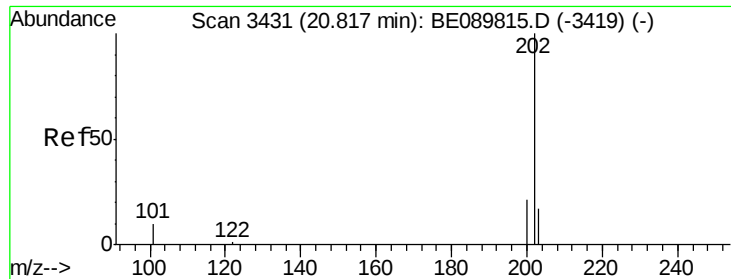
Ion Ratio Lower Upper

178 100

176 200.4 14.6 21.8#

179 159.9 12.1 18.1#





#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

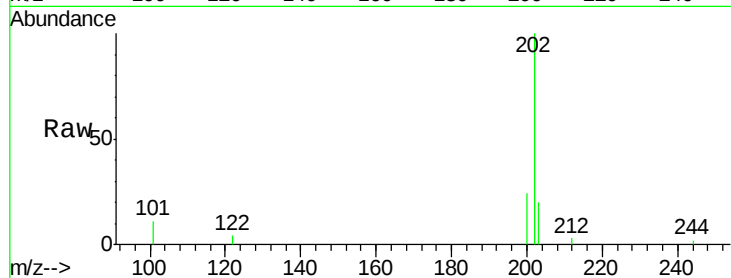
Tgt Ion:202 Resp: 5056

Ion Ratio Lower Upper

202 100

101 10.0 8.2 12.2

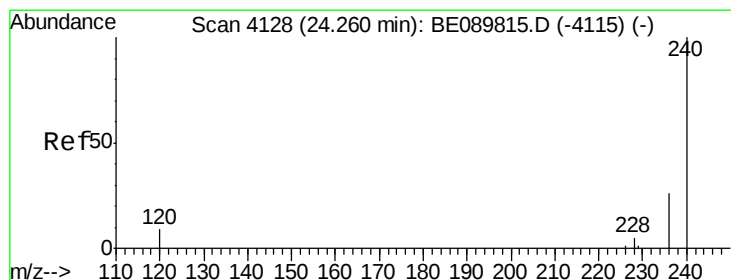
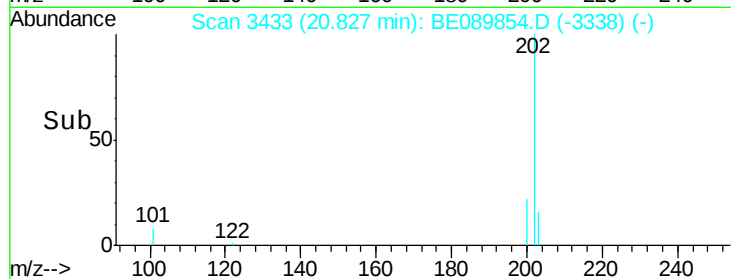
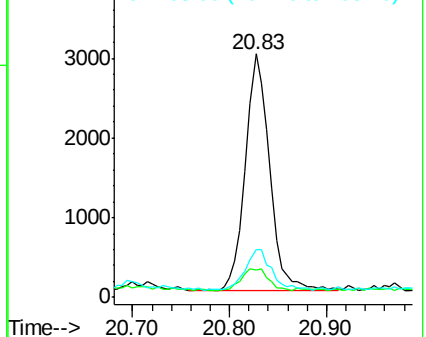
203 18.6 14.2 21.4



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# 4129

Delta R.T. 0.00 min

Lab File: BE089854.D

Acq: 26 Mar 2015 2:10

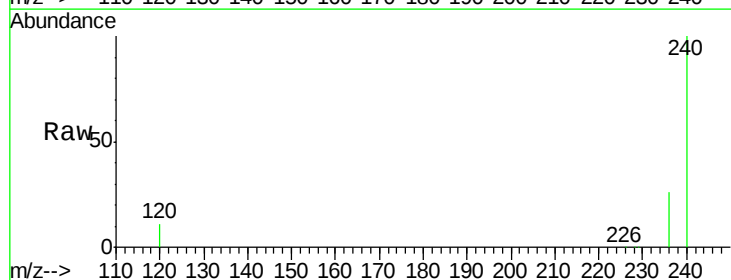
Tgt Ion:240 Resp: 481309

Ion Ratio Lower Upper

240 100

120 10.5 7.5 11.3

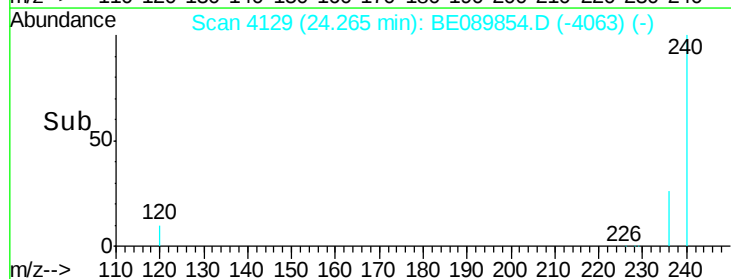
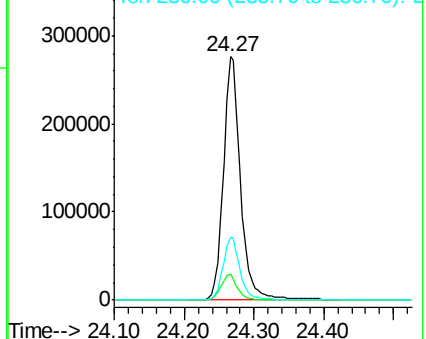
236 26.1 20.5 30.7

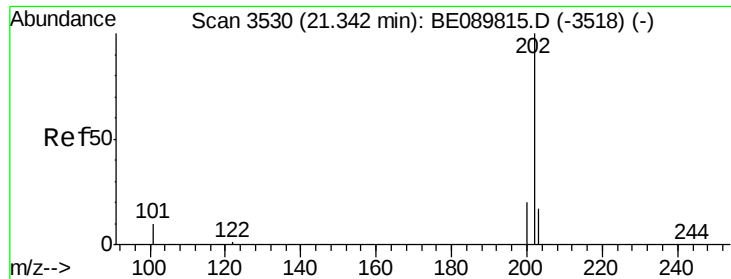


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

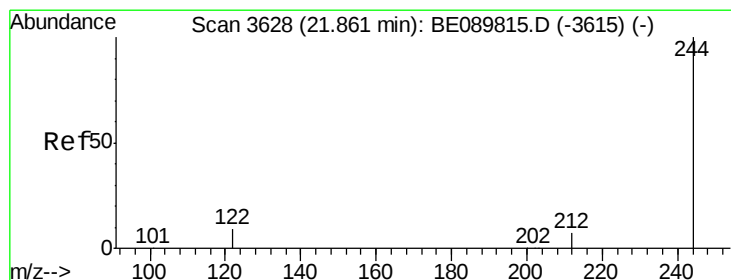
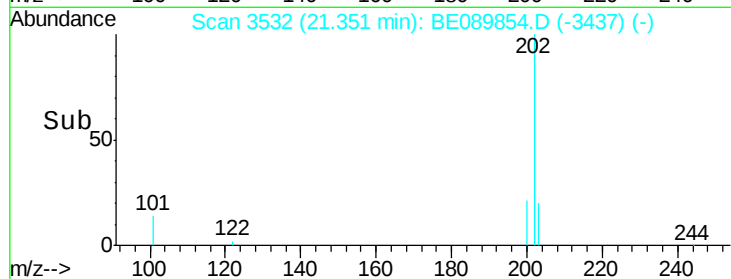
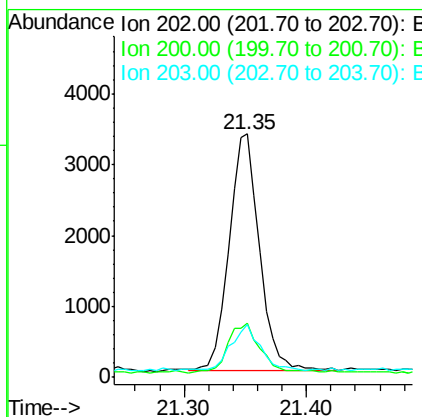
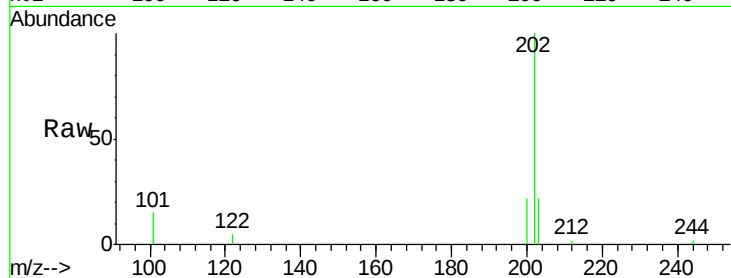




#20
Pyrene
Concen: 0.05 ng
RT: 21.35 min Scan# 3532
Delta R.T. 0.00 min
Lab File: BE089854.D
Acq: 26 Mar 2015 2:10

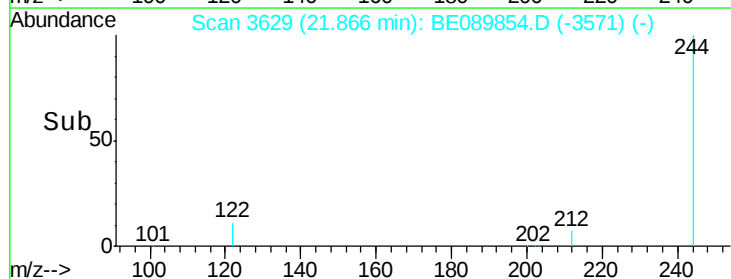
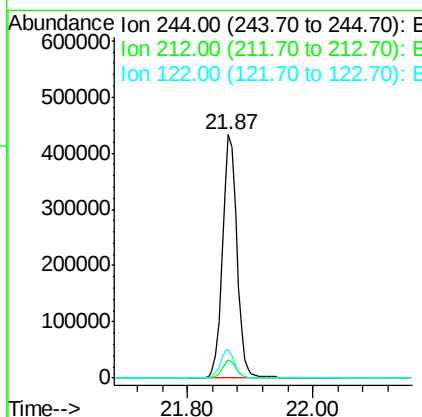
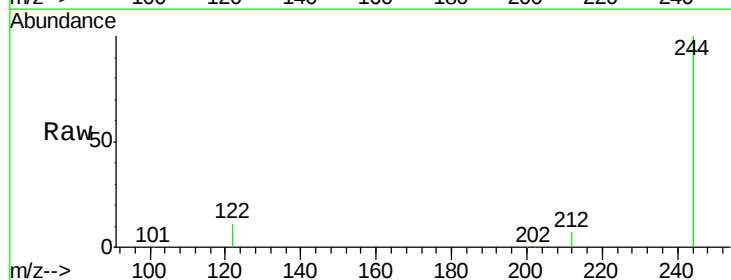
Instrument :
BNA_E
ClientSampleId :
FB

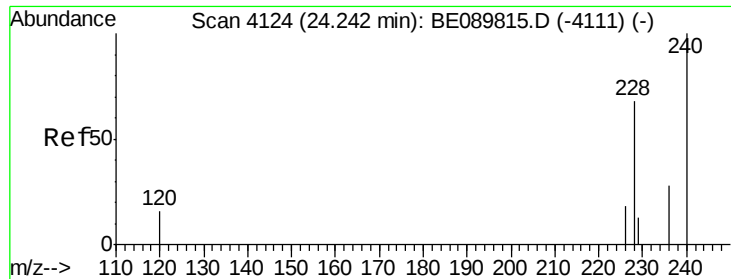
Tgt Ion: 202 Resp: 5775
Ion Ratio Lower Upper
202 100
200 22.6 15.9 23.9
203 18.5 13.6 20.4



#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

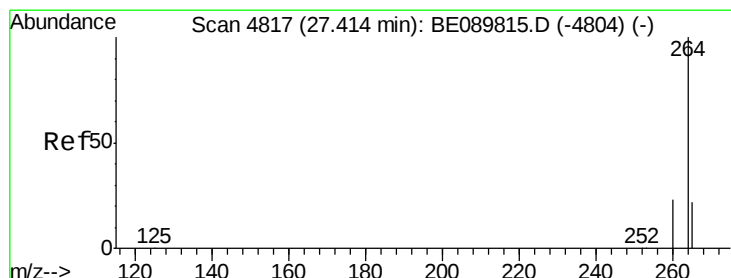
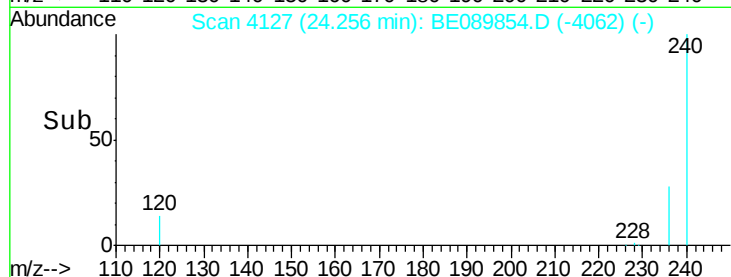
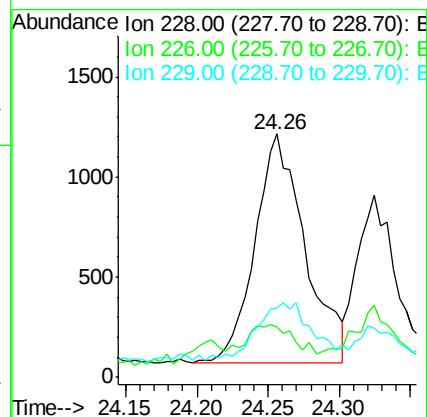
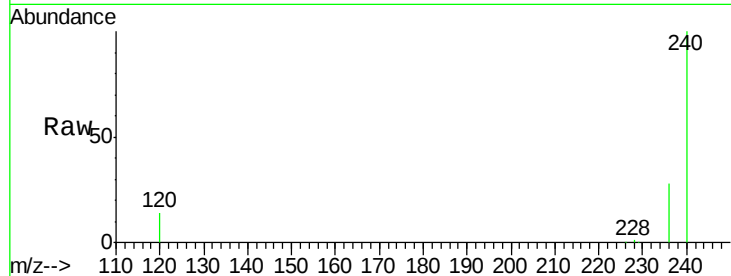
Tgt Ion:228 Resp: 2818

Ion Ratio Lower Upper

228 100

226 20.9 19.8 29.8

229 28.8 16.3 24.5#



#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

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

