

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032615\
 Data File : BE089860.D
 Acq On : 26 Mar 2015 16:46
 Operator : TP/JJ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Quant Time: Mar 27 02:05:06 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 01:45:40 2015
 Response via : Initial Calibration

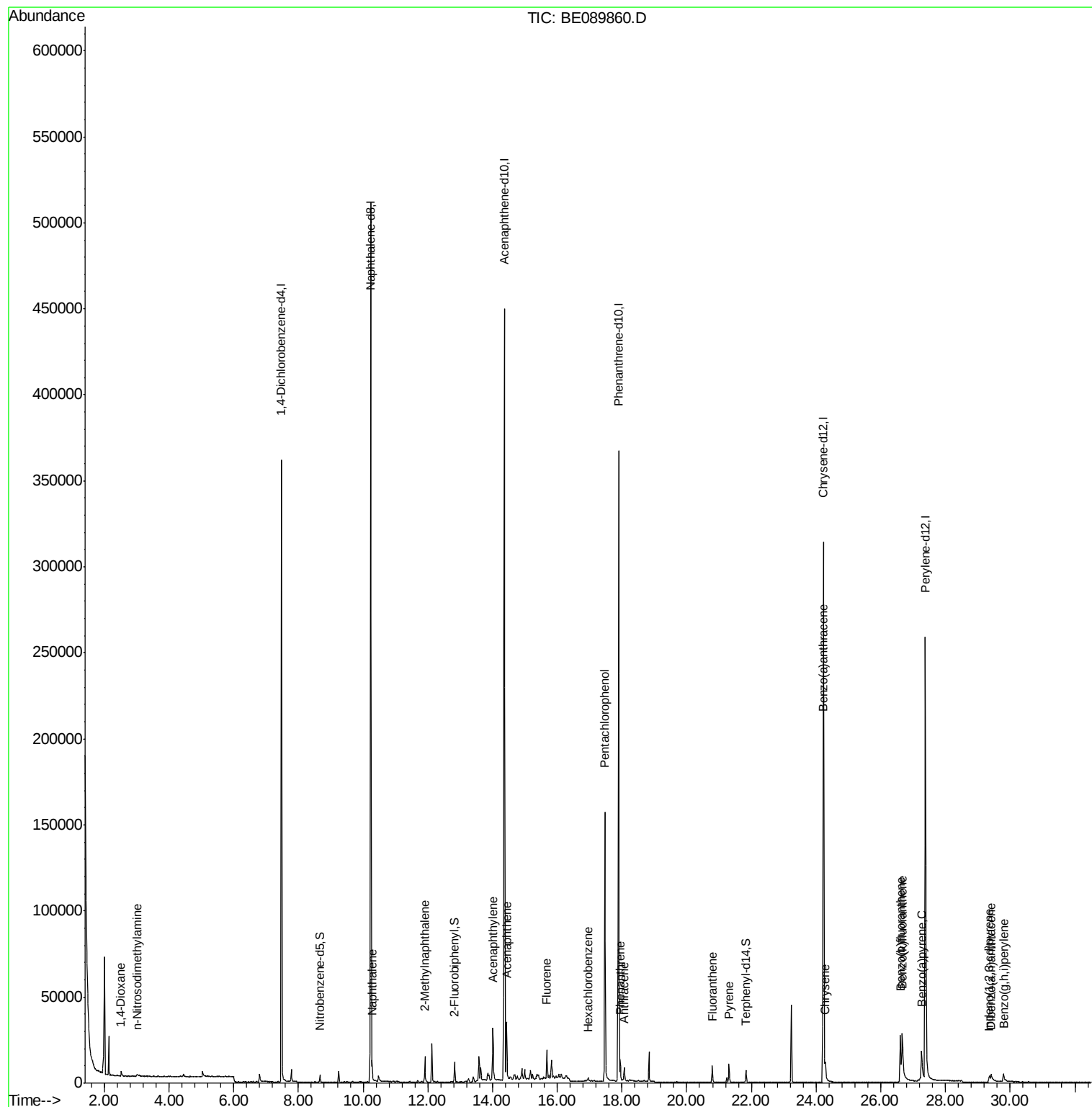
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	147563	5.00	ng	0.00
4) Naphthalene-d8	10.23	136	589099	5.00	ng	0.00
8) Acenaphthene-d10	14.36	164	250892	5.00	ng	0.00
13) Phenanthrene-d10	17.89	188	450251	5.00	ng	0.00
19) Chrysene-d12	24.23	240	389614	5.00	ng	0.00
25) Perylene-d12	27.38	264	341728	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.66	82	3987	0.12	ng	0.00
9) 2-Fluorobiphenyl	12.83	172	10821	0.18	ng	0.00
21) Terphenyl-d14	21.83	244	10431	0.18	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.52	88	2062	0.10	ng	94
3) n-Nitrosodimethylamine	3.01	42	2542m	0.09	ng	
6) Naphthalene	10.28	128	13081	0.11	ng	96
7) 2-Methylnaphthalene	11.91	142	9667	0.15	ng	96
10) Acenaphthylene	14.01	152	42489	0.12	ng	# 95
11) Acenaphthene	14.44	154	7084	0.13	ng	94
12) Fluorene	15.68	166	10143	0.15	ng	# 92
14) Hexachlorobenzene	16.95	284	1690	0.11	ng	90
15) Pentachlorophenol	17.48	266	105631	19.28	ng	100
16) Phenanthrene	17.95	178	13681	0.14	ng	97
17) Anthracene	18.07	178	10440m	0.12	ng	
18) Fluoranthene	20.79	202	10936	0.12	ng	99
20) Pyrene	21.31	202	12256	0.12	ng	98
22) Benzo(a)anthracene	24.21	228	13075	0.18	ng	99
23) Chrysene	24.29	228	13085	0.16	ng	97
24) Indeno(1,2,3-cd)pyrene	29.35	276	11746m	0.24	ng	
26) Benzo(b)fluoranthene	26.61	252	45420	0.83	ng	98
27) Benzo(k)fluoranthene	26.67	252	60992m	0.83	ng	
28) Benzo(a)pyrene	27.26	252	35160	0.68	ng	# 90
29) Dibenzo(a,h)anthracene	29.41	278	6235	0.17	ng	# 81
30) Benzo(g,h,i)perylene	29.79	276	10392	0.20	ng	# 93

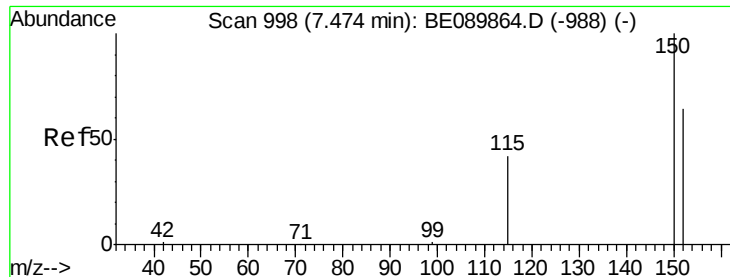
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.47 min Scan# 998

Delta R.T. 0.00 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

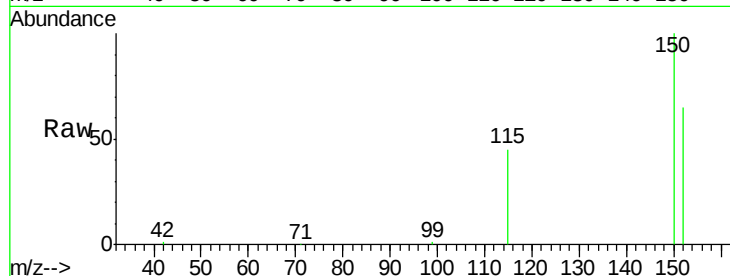
Tgt Ion: 152 Resp: 147563

Ion Ratio Lower Upper

152 100

150 155.0 125.5 188.3

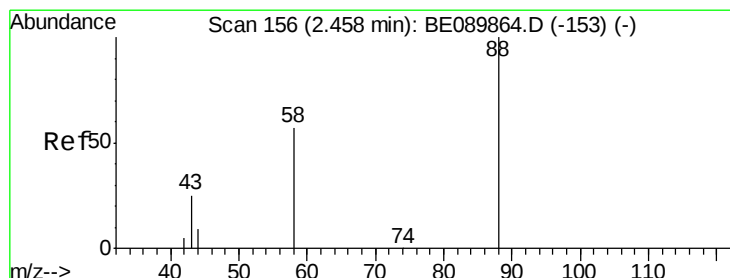
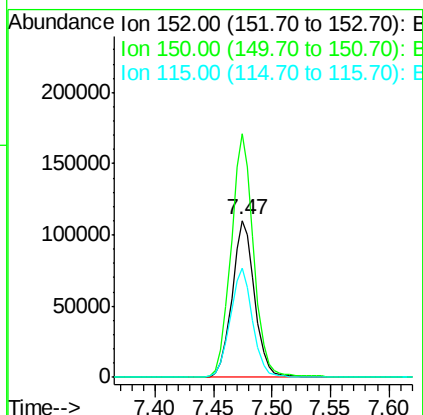
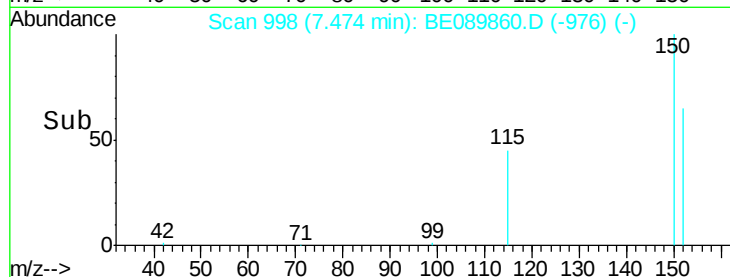
115 69.2 58.0 87.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.10 ng

RT: 2.52 min Scan# 165

Delta R.T. 0.06 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

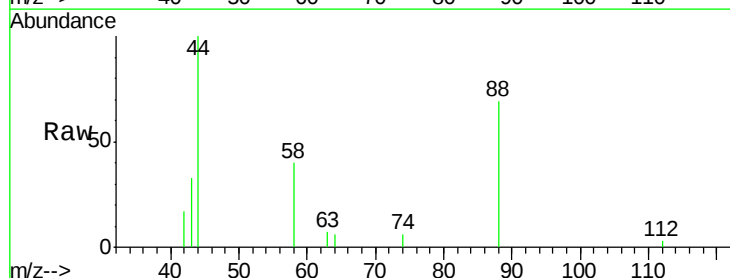
Tgt Ion: 88 Resp: 2062

Ion Ratio Lower Upper

88 100

58 64.8 48.6 72.8

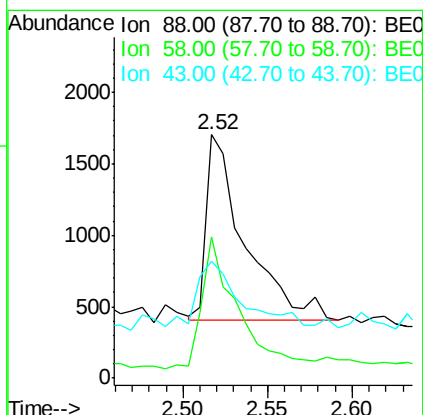
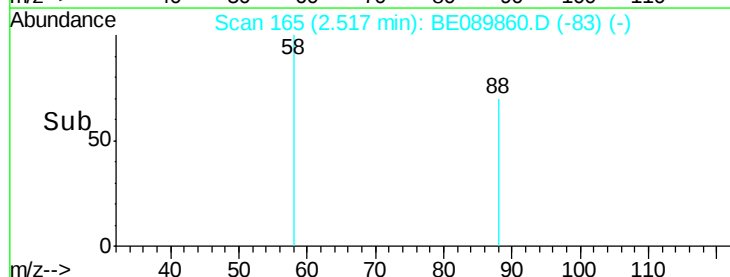
43 40.3 28.6 43.0

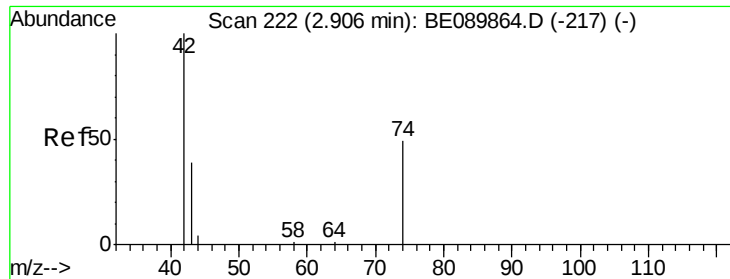


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



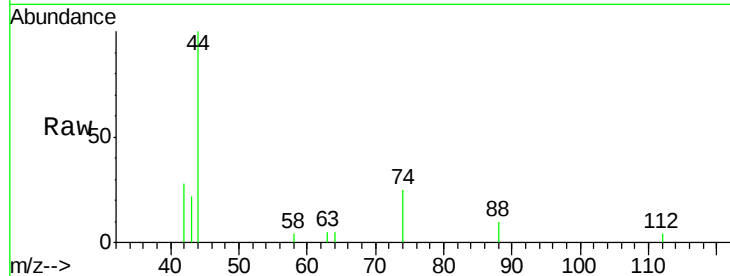


#3

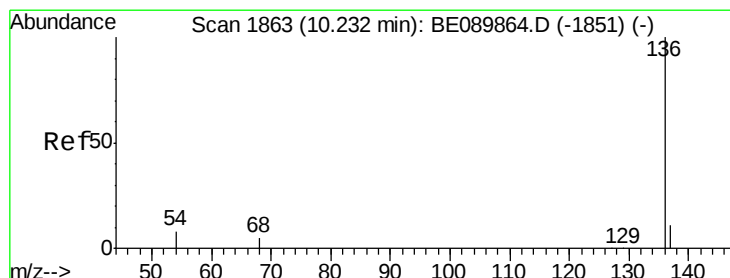
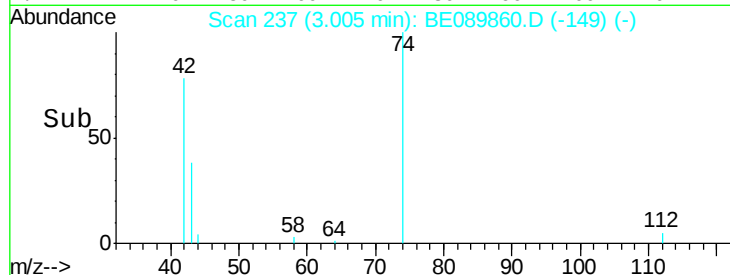
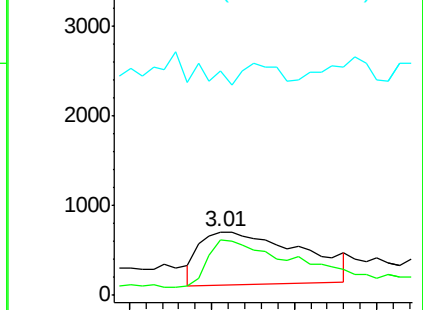
n-Nitrosodimethylamine
 Concen: 0.09 ng m
 RT: 3.01 min Scan# 237
 Delta R.T. 0.10 min
 Lab File: BE089860.D
 Acq: 26 Mar 2015 16:46

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Tgt Ion: 42 Resp: 2542
 Ion Ratio Lower Upper
 42 100
 74 0.0 68.7 103.1#
 44 0.0 6.2 9.4#



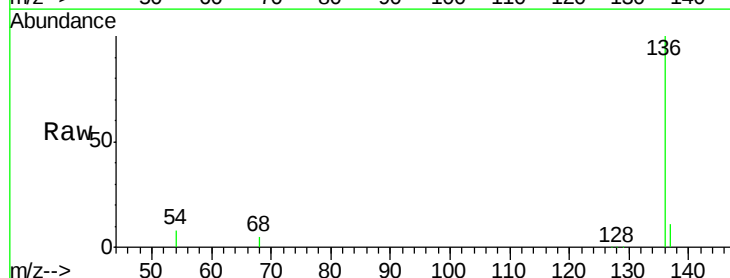
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



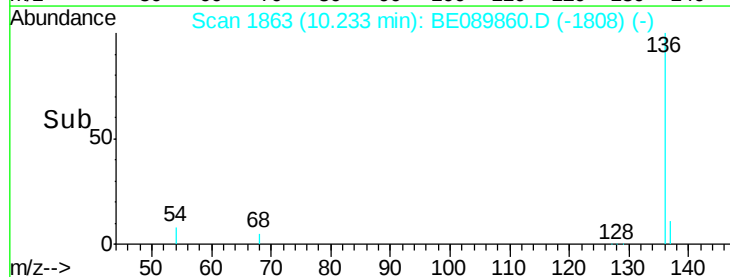
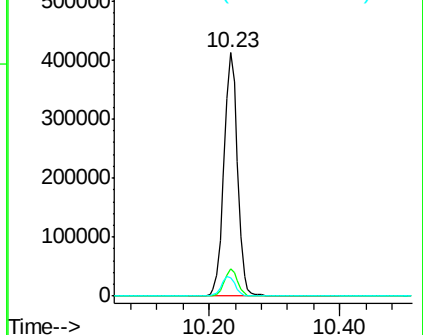
#4

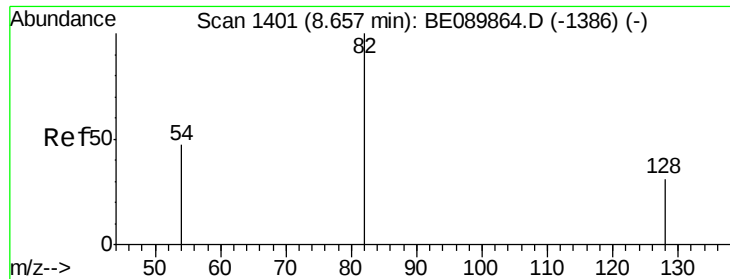
Naphthalene-d8
 Concen: 5.00 ng
 RT: 10.23 min Scan# 1863
 Delta R.T. 0.00 min
 Lab File: BE089860.D
 Acq: 26 Mar 2015 16:46

Tgt Ion: 136 Resp: 589099
 Ion Ratio Lower Upper
 136 100
 137 11.0 8.8 13.2
 54 7.7 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: 0.12 ng

RT: 8.66 min Scan# 1403

Delta R.T. 0.01 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

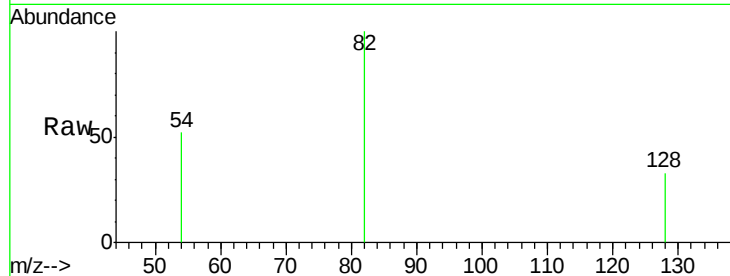
Tgt Ion: 82 Resp: 3987

Ion Ratio Lower Upper

82 100

128 32.7 24.6 37.0

54 51.7 43.0 64.6



Abundance Ion 82.00 (81.70 to 82.70): BE089860.D (-1277) (-)

Ion 128.00 (127.70 to 128.70): BE089860.D (-1277) (-)

Ion 54.00 (53.70 to 54.70): BE089860.D (-1277) (-)

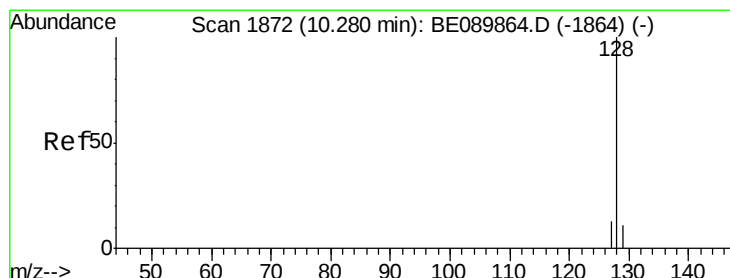
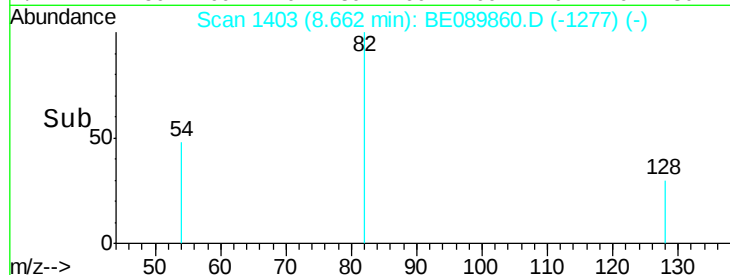
8.66

2000

1000

0

Time-->



#6

Naphthalene

Concen: 0.11 ng

RT: 10.28 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

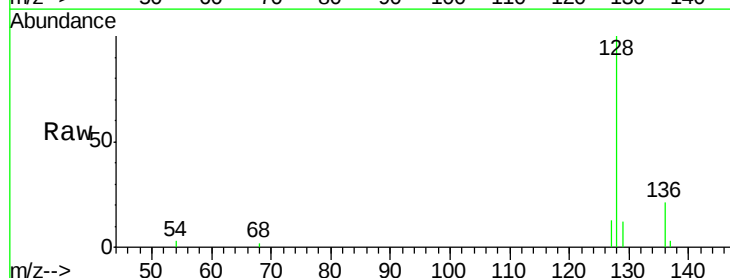
Tgt Ion: 128 Resp: 13081

Ion Ratio Lower Upper

128 100

129 12.1 10.0 15.0

127 13.3 12.5 18.7



Abundance Ion 128.00 (127.70 to 128.70): BE089860.D (-1815) (-)

Ion 129.00 (128.70 to 129.70): BE089860.D (-1815) (-)

Ion 127.00 (126.70 to 127.70): BE089860.D (-1815) (-)

10.28

12000

10000

8000

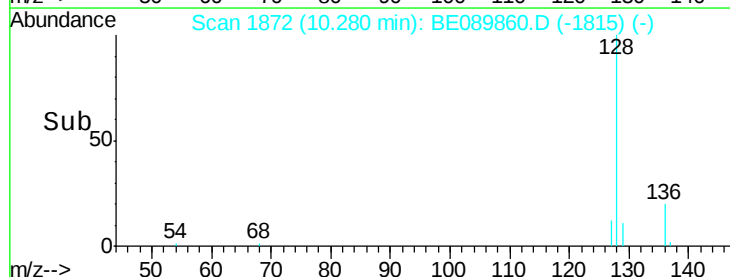
6000

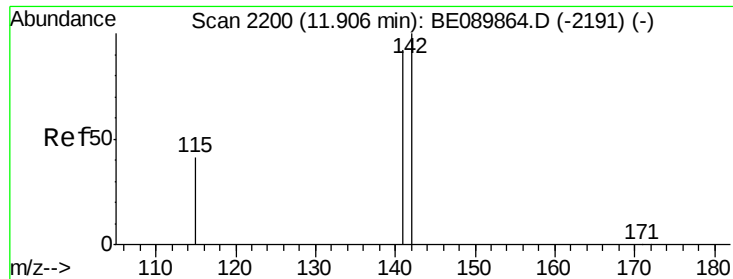
4000

2000

0

Time-->





#7

2-Methylnaphthalene

Concen: 0.15 ng

RT: 11.91 min Scan# 2200

Delta R.T. 0.00 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.1

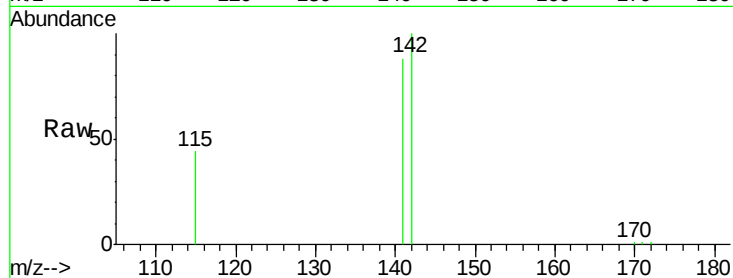
Tgt Ion:142 Resp: 9667

Ion Ratio Lower Upper

142 100

141 87.8 72.8 109.2

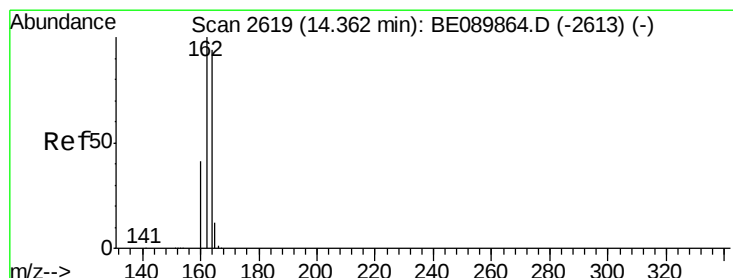
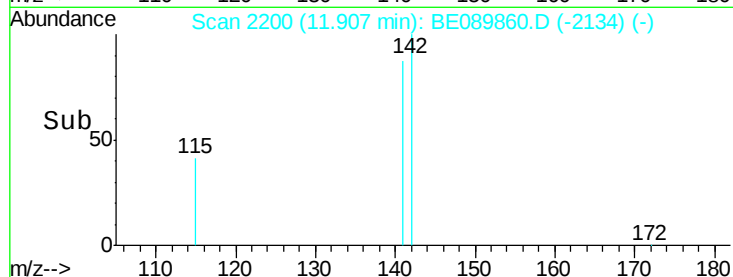
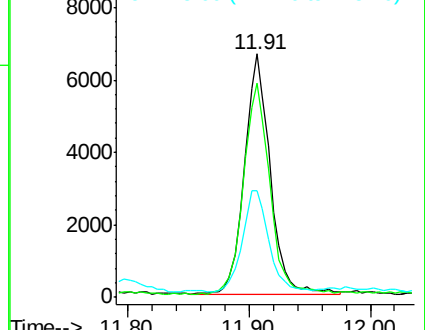
115 43.8 32.9 49.3



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: 14.36 min Scan# 2619

Delta R.T. 0.00 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

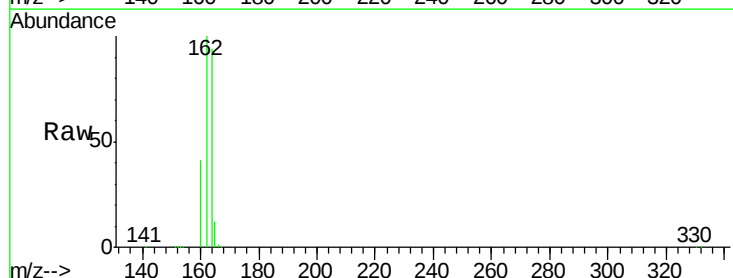
Tgt Ion:164 Resp: 250892

Ion Ratio Lower Upper

164 100

162 105.9 87.6 131.4

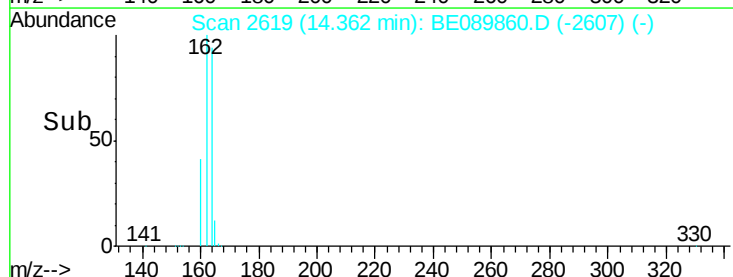
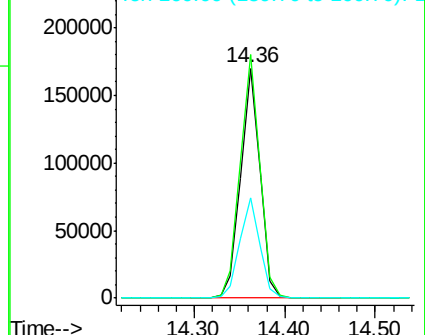
160 43.4 36.7 55.1

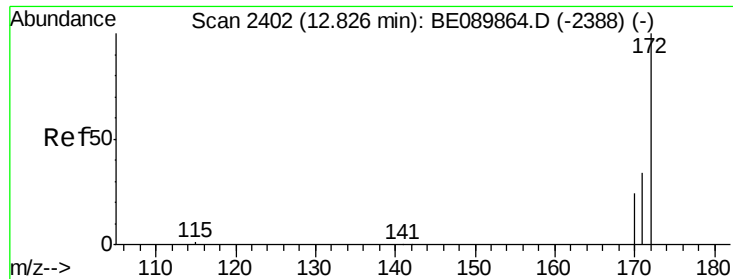


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 0.18 ng

RT: 12.83 min Scan# 2402

Delta R.T. 0.00 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

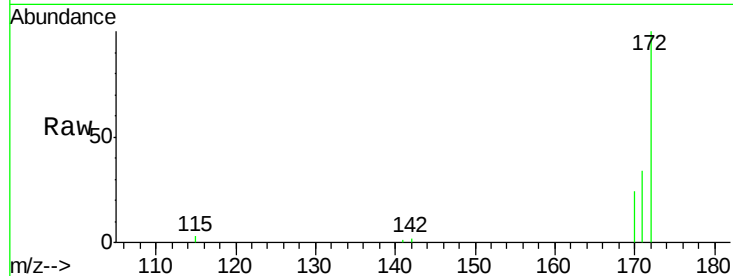
Tgt Ion:172 Resp: 10821

Ion Ratio Lower Upper

172 100

171 34.5 30.8 46.2

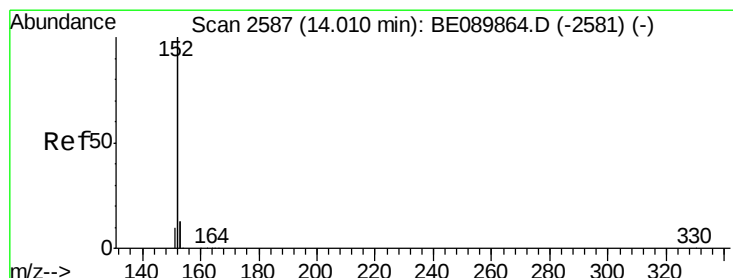
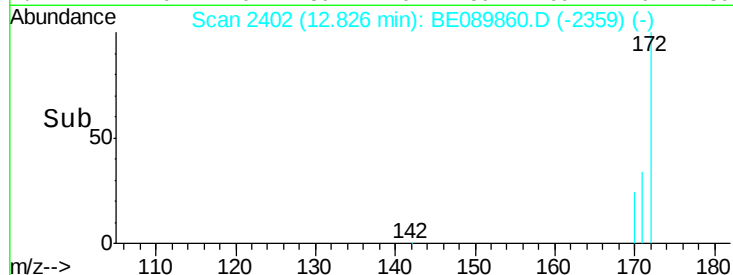
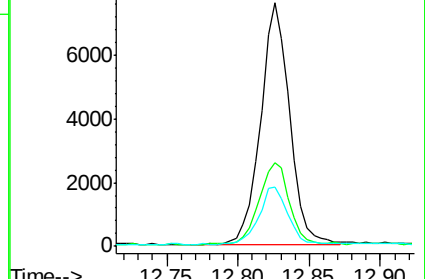
170 24.3 21.0 31.4



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



#10

Acenaphthylene

Concen: 0.12 ng

RT: 14.01 min Scan# 2587

Delta R.T. 0.00 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

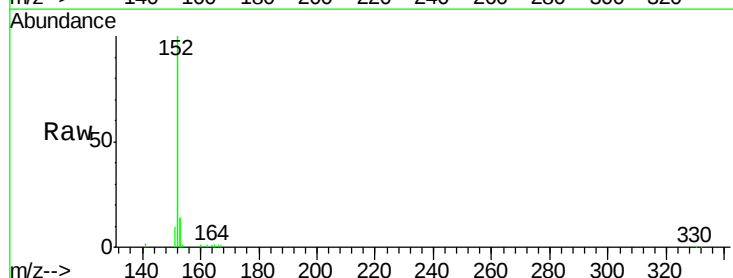
Tgt Ion:152 Resp: 42489

Ion Ratio Lower Upper

152 100

151 5.1 3.9 5.9

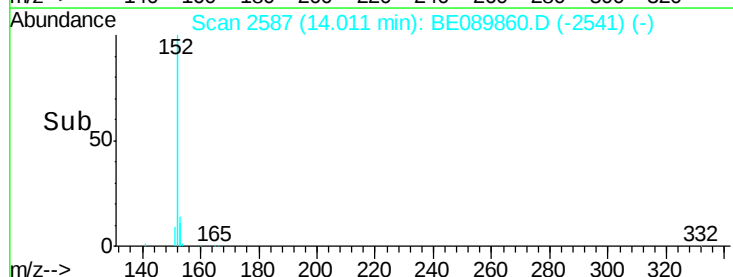
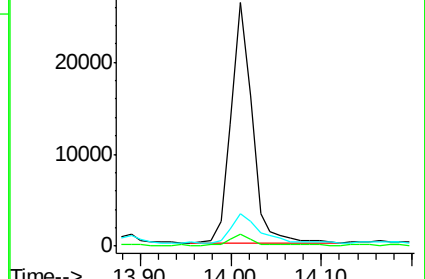
153 16.6 11.0 16.4#

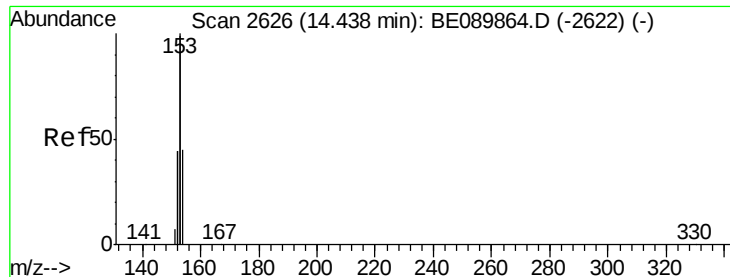


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 0.13 ng

RT: 14.44 min Scan# 2626

Delta R.T. 0.00 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

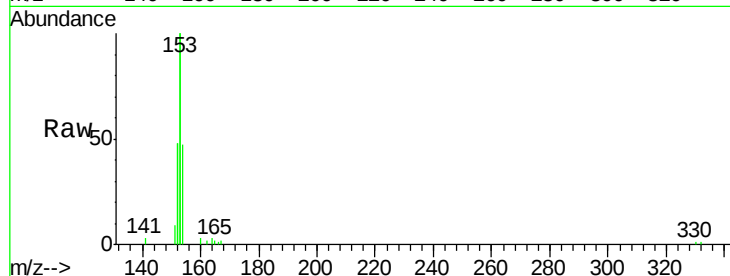
Tgt Ion:154 Resp: 7084

Ion Ratio Lower Upper

154 100

153 483.4 401.5 602.3

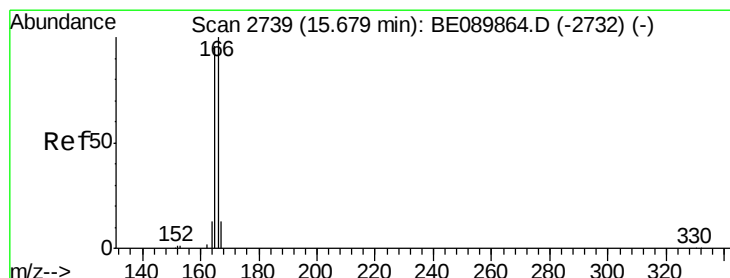
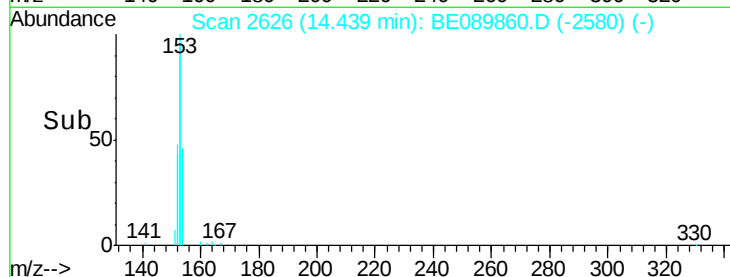
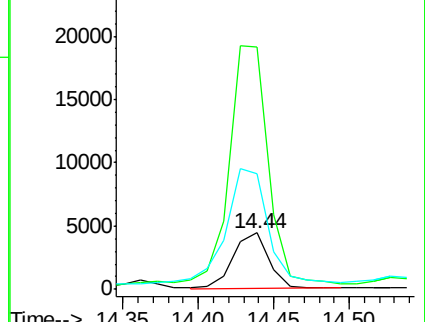
152 254.6 198.6 298.0



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: 0.15 ng

RT: 15.68 min Scan# 2739

Delta R.T. 0.00 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

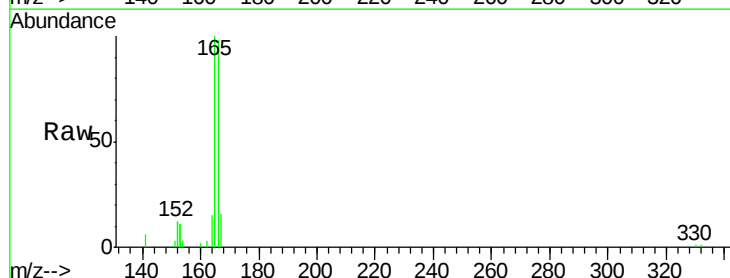
Tgt Ion:166 Resp: 10143

Ion Ratio Lower Upper

166 100

165 99.5 85.1 127.7

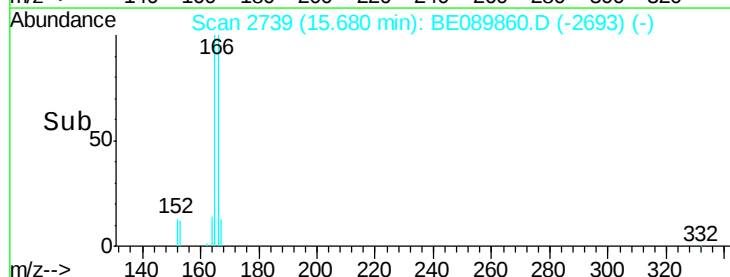
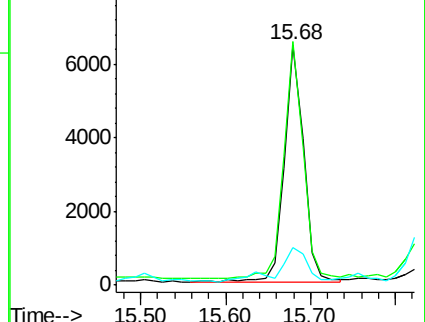
167 21.1 12.2 18.4#

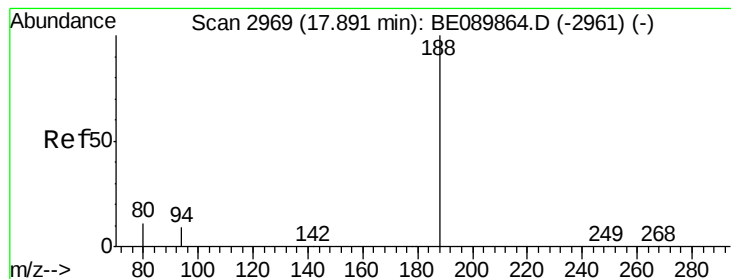


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.89 min Scan# 2969

Delta R.T. 0.00 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

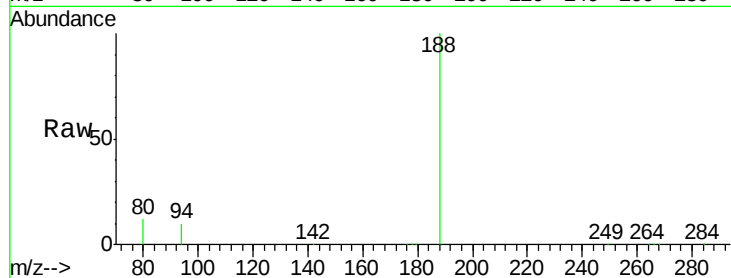
Tgt Ion:188 Resp: 450251

Ion Ratio Lower Upper

188 100

94 9.5 8.5 12.7

80 11.5 10.0 15.0

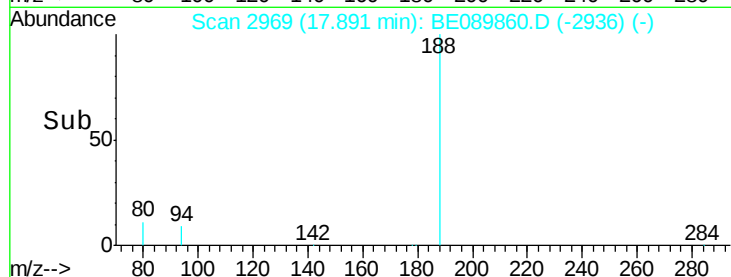


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

Time-->



400000

300000

200000

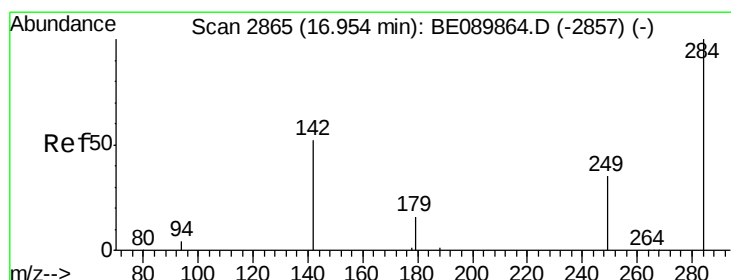
100000

0

17.80 17.90 18.00

17.89

Time-->



#14

Hexachlorobenzene

Concen: 0.11 ng

RT: 16.95 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

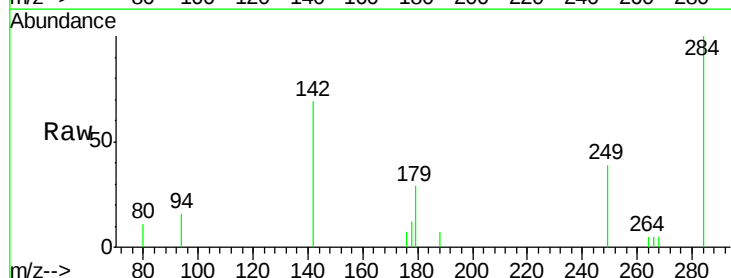
Tgt Ion:284 Resp: 1690

Ion Ratio Lower Upper

284 100

142 77.8 53.3 79.9

249 37.8 31.1 46.7

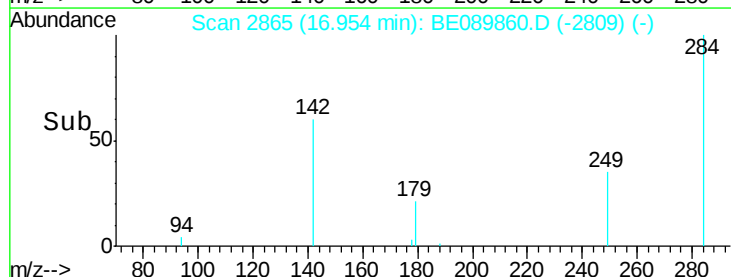


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

Time-->



1500

1000

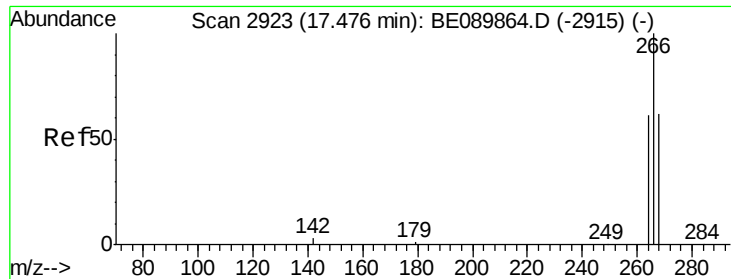
500

0

16.90 17.00

16.95

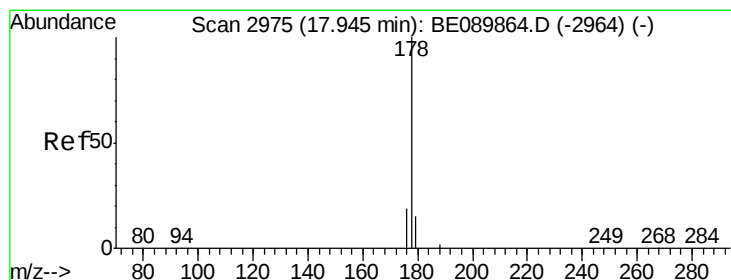
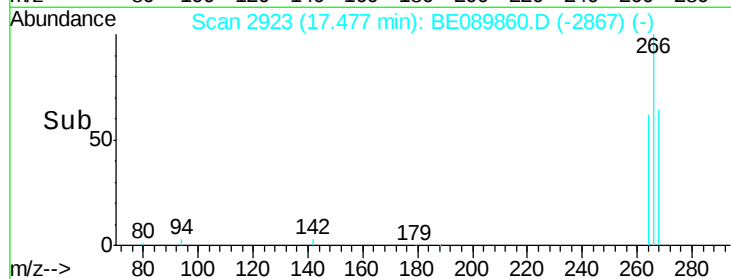
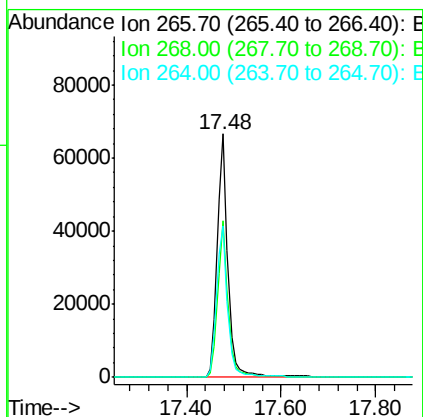
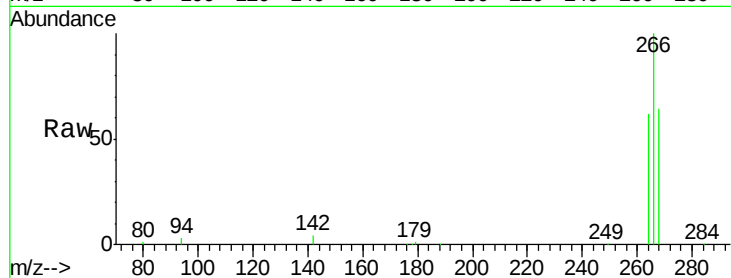
Time-->



#15
 Pentachlorophenol
 Concen: 19.28 ng
 RT: 17.48 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: BE089860.D
 Acq: 26 Mar 2015 16:46

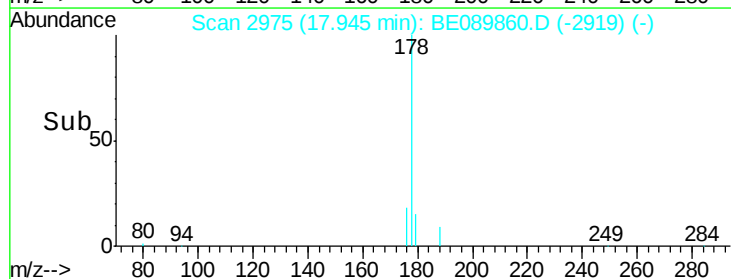
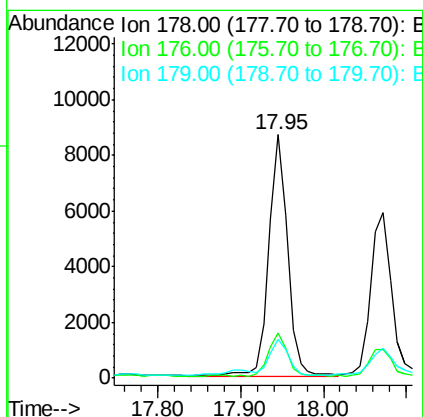
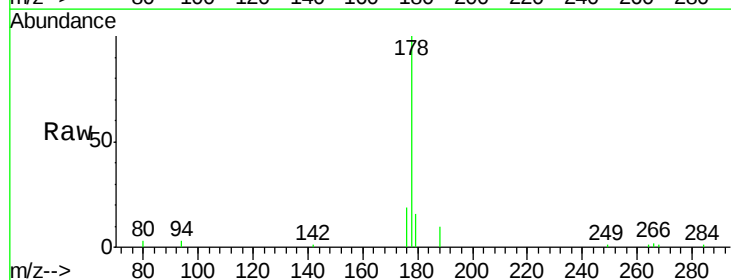
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

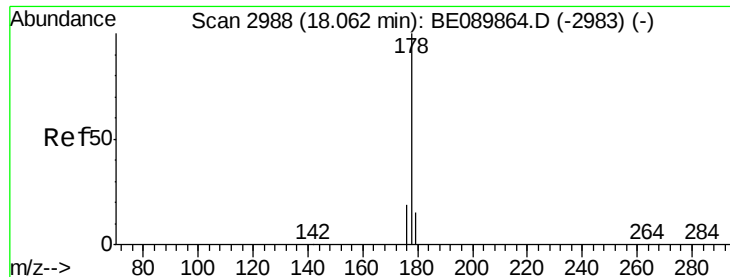
Tgt Ion: 266 Resp: 105631
 Ion Ratio Lower Upper
 266 100
 268 64.2 51.6 77.4
 264 62.4 50.2 75.2



#16
 Phenanthrene
 Concen: 0.14 ng
 RT: 17.95 min Scan# 2975
 Delta R.T. 0.00 min
 Lab File: BE089860.D
 Acq: 26 Mar 2015 16:46

Tgt Ion: 178 Resp: 13681
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.4 23.0
 179 14.6 12.2 18.4





#17

Anthracene

Concen: 0.12 ng m

RT: 18.07 min Scan# 2989

Delta R.T. 0.01 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

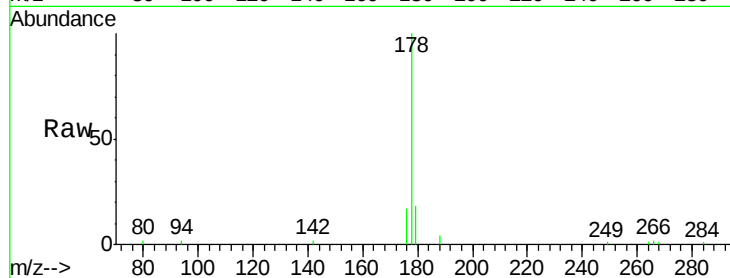
Tgt Ion:178 Resp: 10440

Ion Ratio Lower Upper

178 100

176 23.1 14.6 21.8#

179 19.1 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

8000

6000

4000

2000

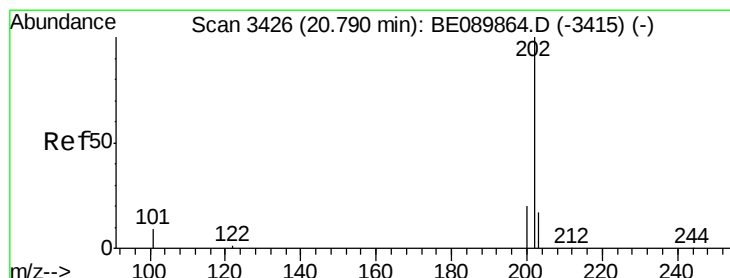
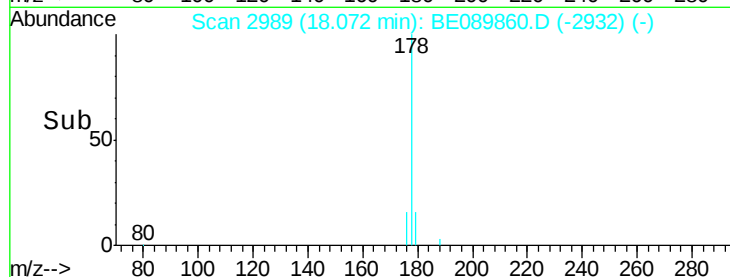
0

18.07

18.00

18.10

Time-->



#18

Fluoranthene

Concen: 0.12 ng

RT: 20.79 min Scan# 3426

Delta R.T. 0.00 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

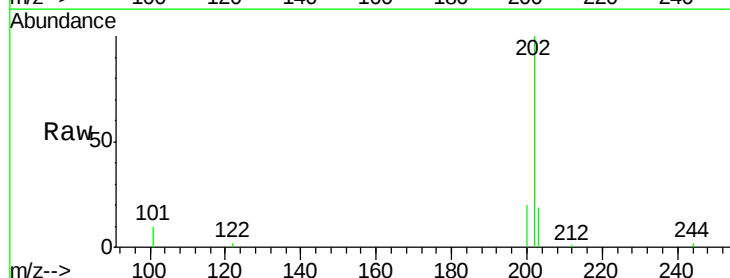
Tgt Ion:202 Resp: 10936

Ion Ratio Lower Upper

202 100

101 9.7 8.2 12.2

203 17.8 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

8000

6000

4000

2000

0

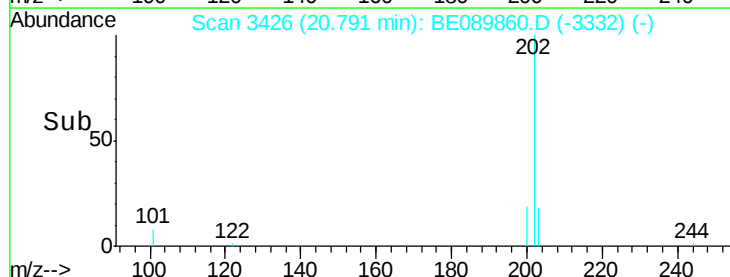
20.79

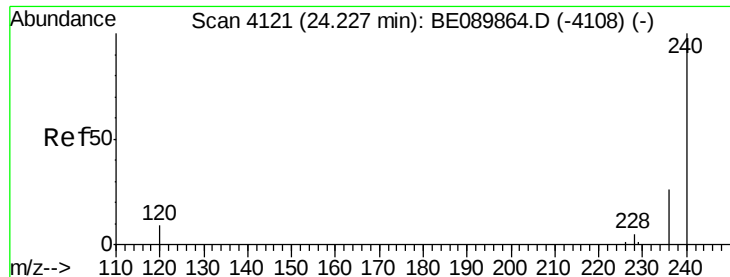
20.70

20.80

20.90

Time-->





#19

Chrysene-d12

Concen: 5.00 ng

RT: 24.23 min Scan# 4121

Delta R.T. 0.00 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

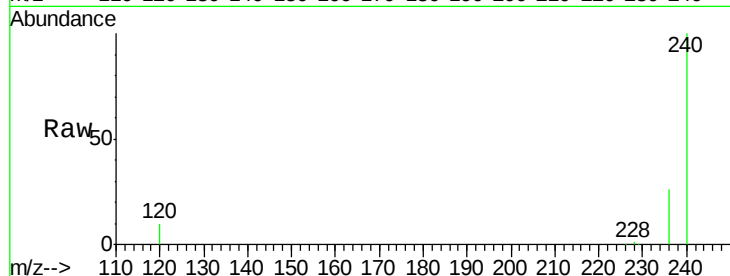
Tgt Ion:240 Resp: 389614

Ion Ratio Lower Upper

240 100

120 10.0 7.5 11.3

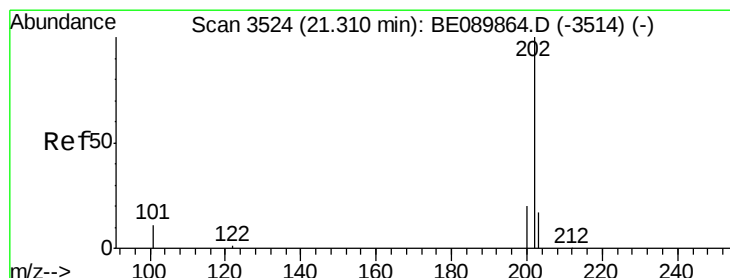
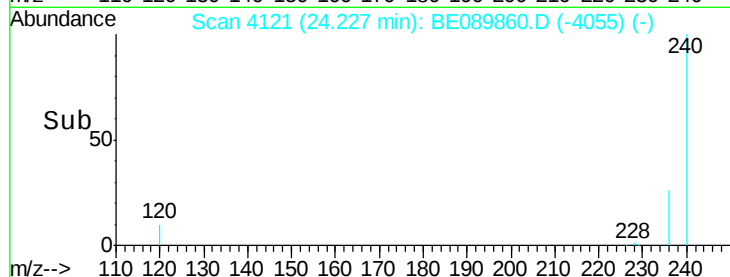
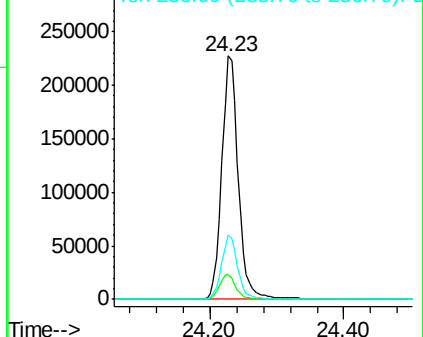
236 26.4 20.5 30.7



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: 0.12 ng

RT: 21.31 min Scan# 3524

Delta R.T. 0.00 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

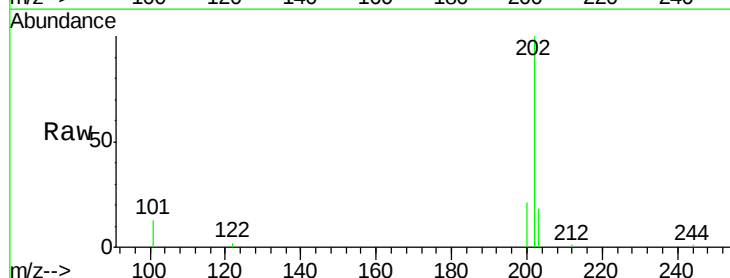
Tgt Ion:202 Resp: 12256

Ion Ratio Lower Upper

202 100

200 20.2 15.9 23.9

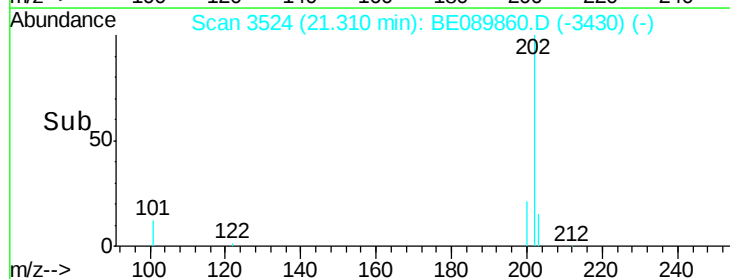
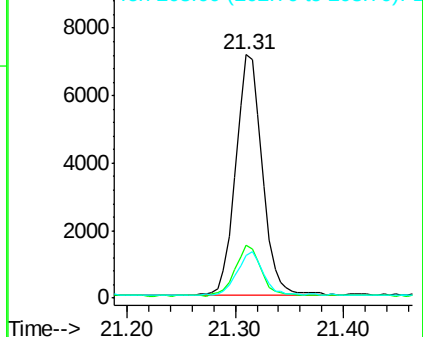
203 18.2 13.6 20.4

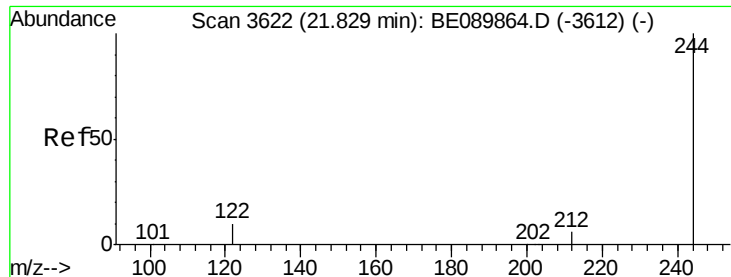


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 0.18 ng

RT: 21.83 min Scan# 3622

Delta R.T. 0.00 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

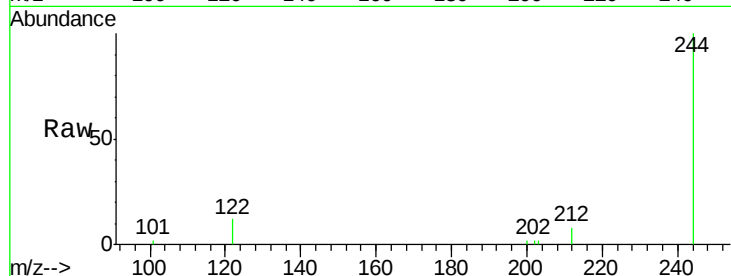
Tgt Ion:244 Resp: 10431

Ion Ratio Lower Upper

244 100

212 8.1 7.3 10.9

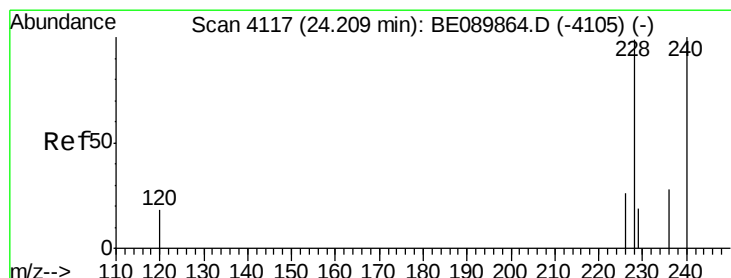
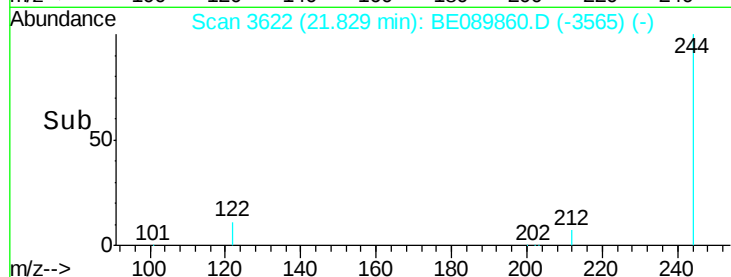
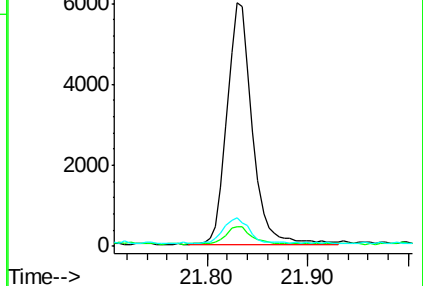
122 12.0 10.5 15.7



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#22

Benzo(a)anthracene

Concen: 0.18 ng

RT: 24.21 min Scan# 4117

Delta R.T. 0.00 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

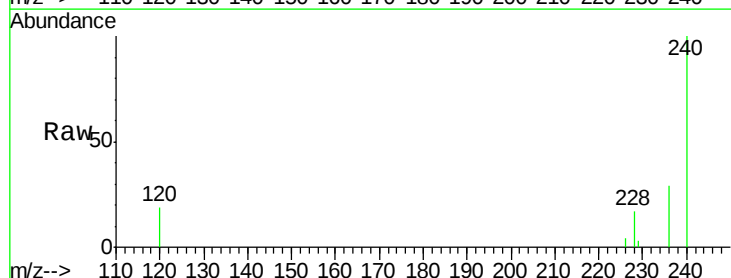
Tgt Ion:228 Resp: 13075

Ion Ratio Lower Upper

228 100

226 26.0 19.8 29.8

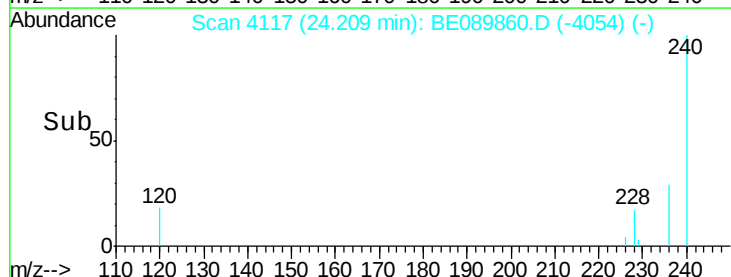
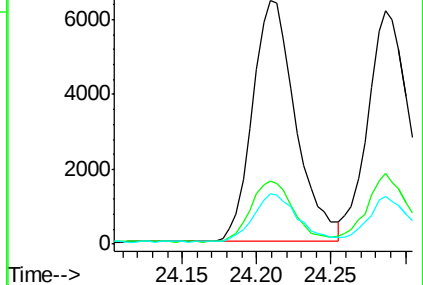
229 20.4 16.3 24.5

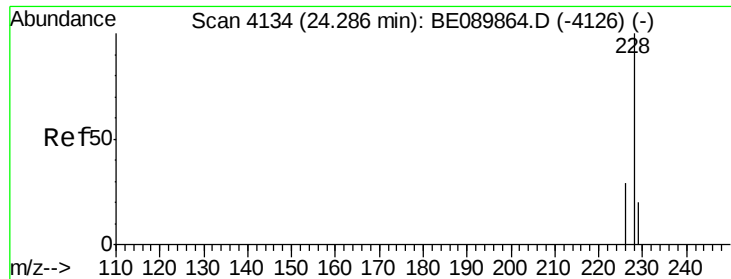


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 0.16 ng

RT: 24.29 min Scan# 4134

Delta R.T. 0.00 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

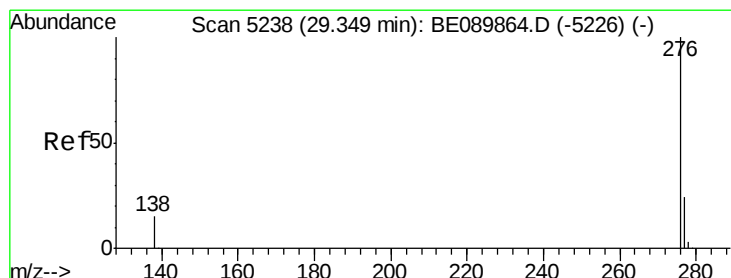
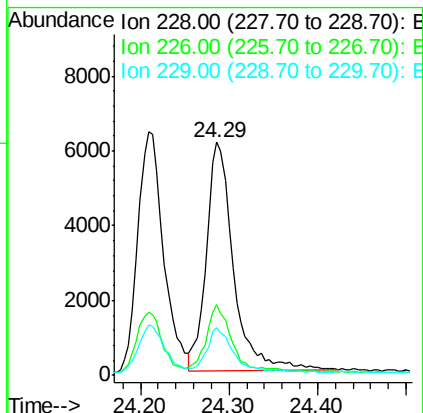
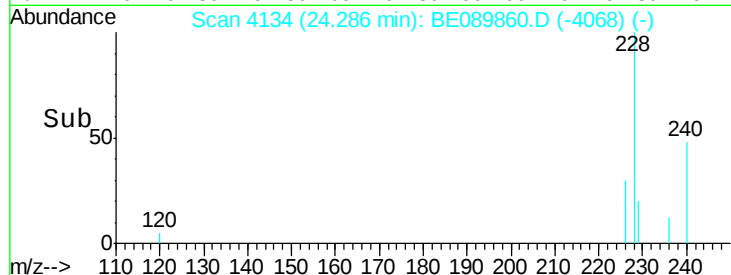
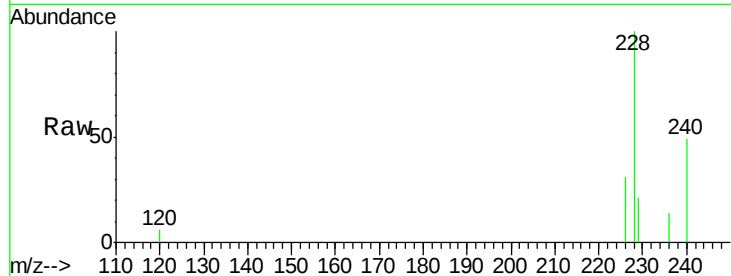
Tgt Ion:228 Resp: 13085

Ion Ratio Lower Upper

228 100

226 30.5 23.0 34.4

229 20.6 15.8 23.6



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.24 ng m

RT: 29.35 min Scan# 5240

Delta R.T. 0.01 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

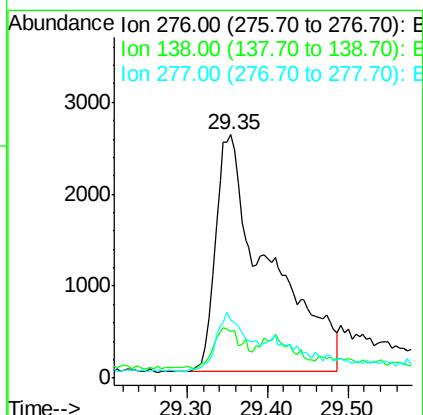
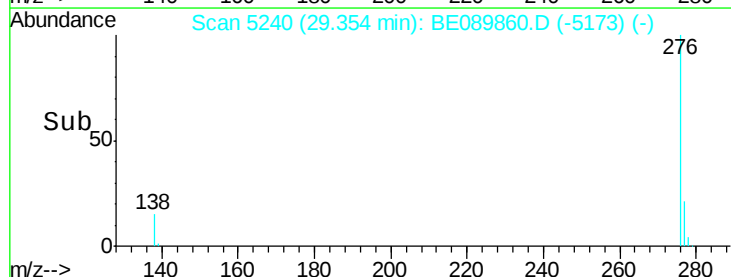
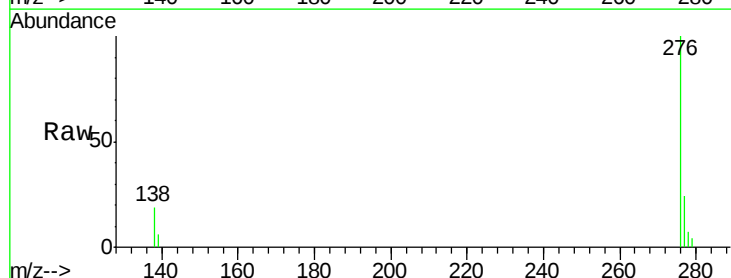
Tgt Ion:276 Resp: 11746

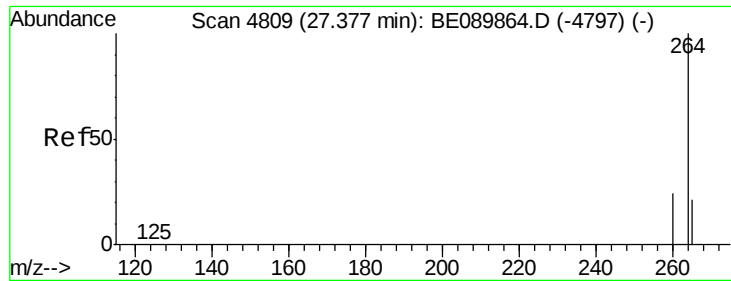
Ion Ratio Lower Upper

276 100

138 9.4 4.3 6.5#

277 14.4 9.0 13.4#

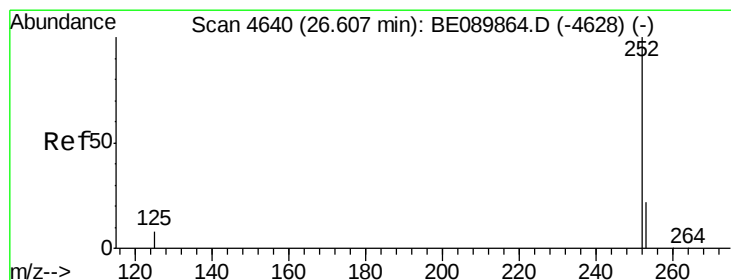
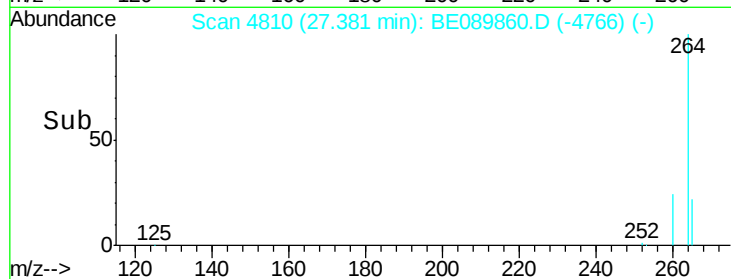
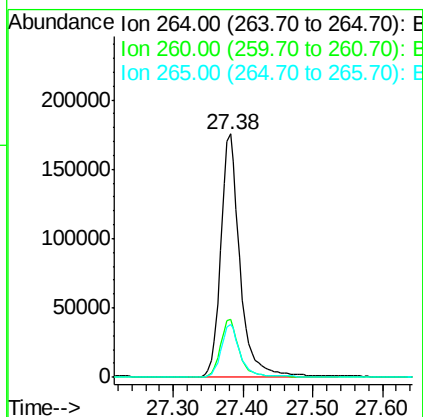
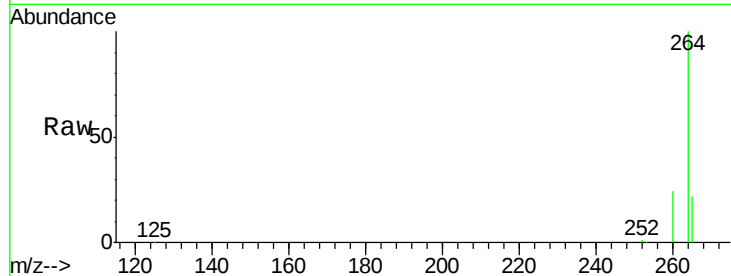




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 27.38 min Scan# 4810
 Delta R.T. 0.00 min
 Lab File: BE089860.D
 Acq: 26 Mar 2015 16:46

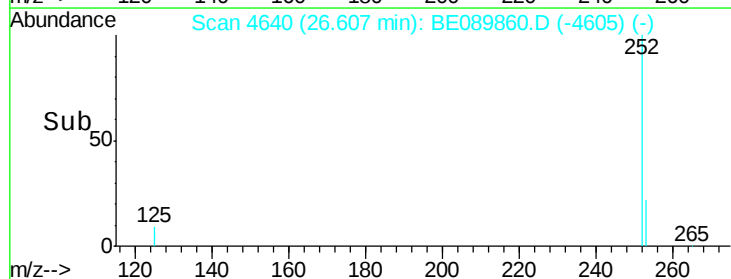
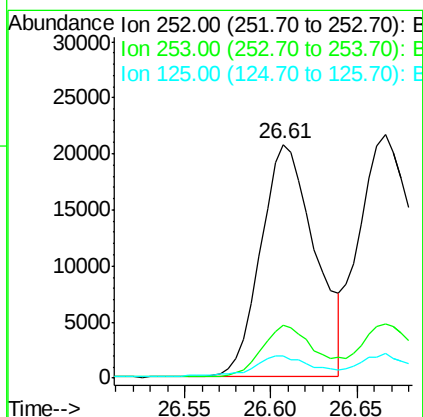
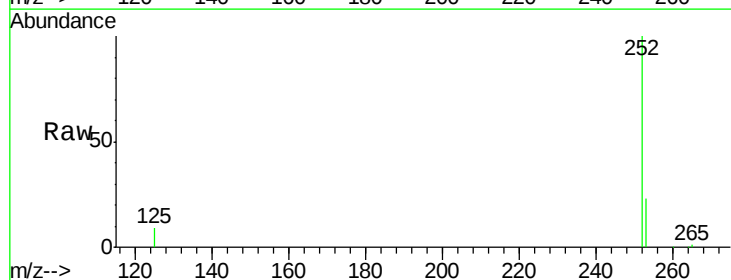
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

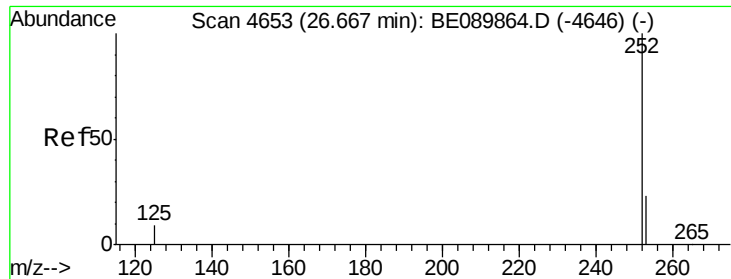
Tgt Ion: 264 Resp: 341728
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.2 27.2
 265 21.7 17.3 25.9



#26
 Benzo(b)fluoranthene
 Concen: 0.83 ng
 RT: 26.61 min Scan# 4640
 Delta R.T. -0.00 min
 Lab File: BE089860.D
 Acq: 26 Mar 2015 16:46

Tgt Ion: 252 Resp: 45420
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.8 26.6
 125 9.3 8.7 13.1





#27

Benzo(k)fluoranthene

Concen: 0.83 ng m

RT: 26.67 min Scan# 4653

Delta R.T. -0.00 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.1

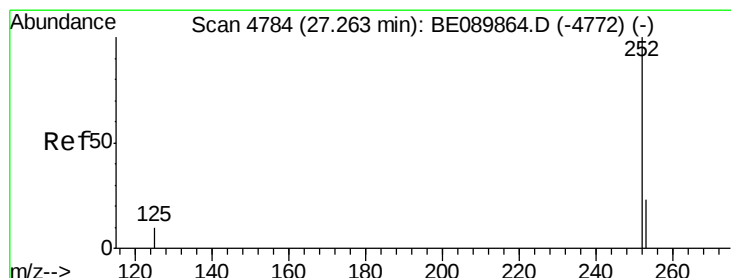
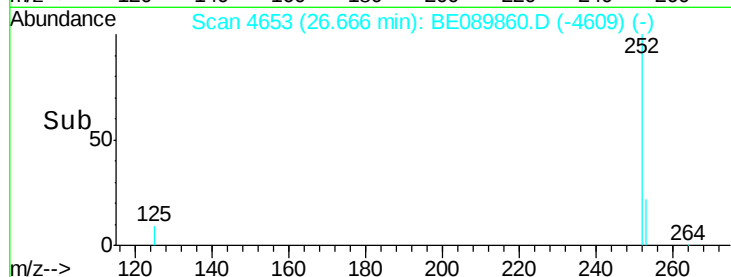
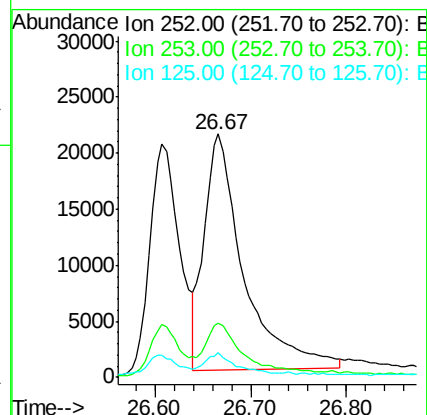
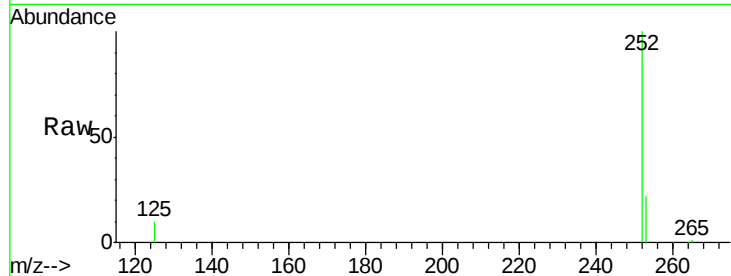
Tgt Ion:252 Resp: 60992

Ion Ratio Lower Upper

252 100

253 22.0 18.6 28.0

125 10.0 10.8 16.2#



#28

Benzo(a)pyrene

Concen: 0.68 ng

RT: 27.26 min Scan# 4784

Delta R.T. -0.00 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

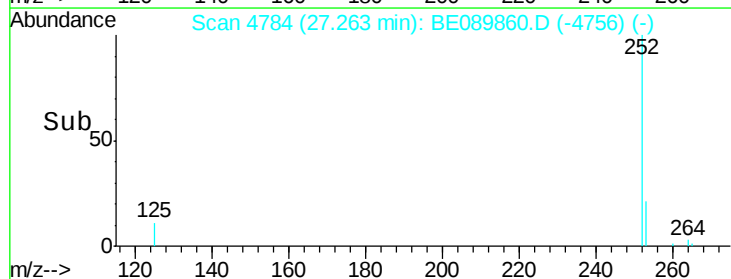
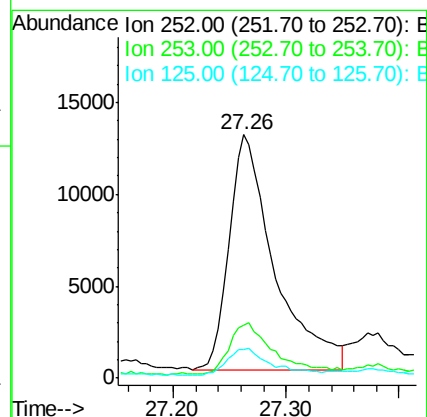
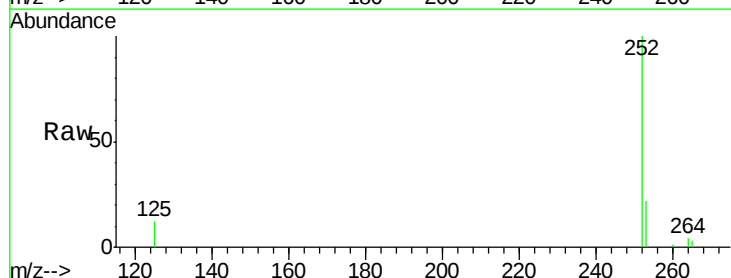
Tgt Ion:252 Resp: 35160

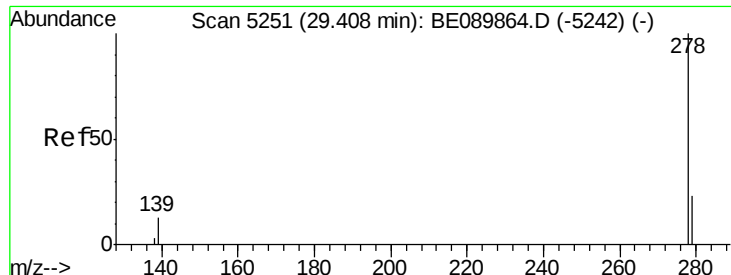
Ion Ratio Lower Upper

252 100

253 21.7 21.0 31.4

125 11.7 13.3 19.9#





#29

Dibenzo(a,h)anthracene

Concen: 0.17 ng

RT: 29.41 min Scan# 5252

Delta R.T. 0.00 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

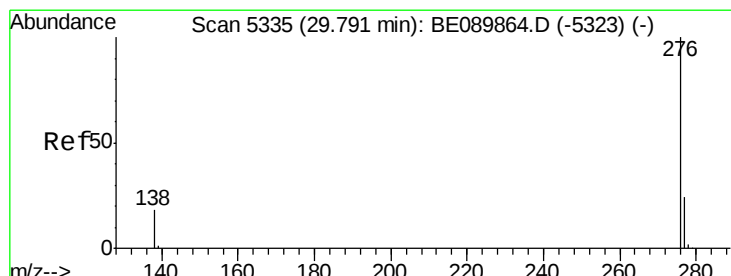
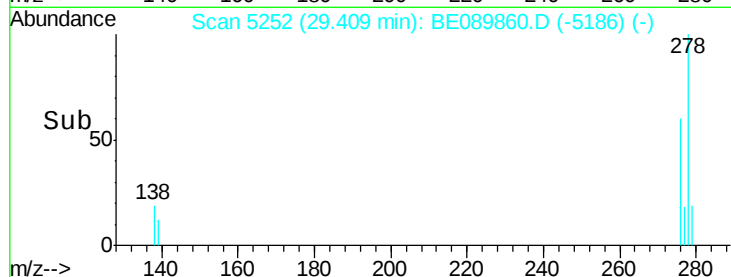
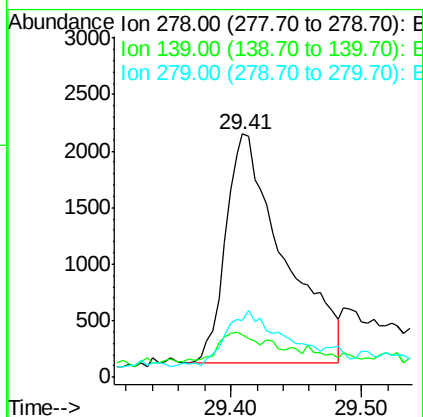
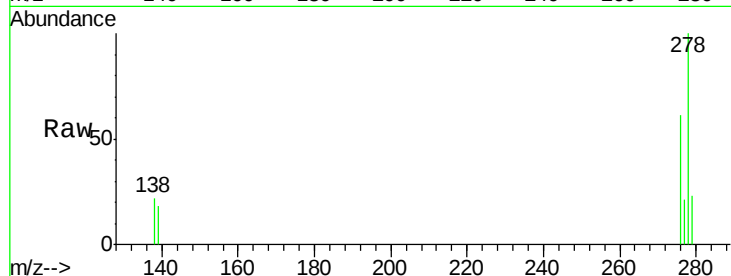
Tgt Ion: 278 Resp: 6235

Ion Ratio Lower Upper

278 100

139 17.5 20.0 30.0#

279 23.4 28.9 43.3#



#30

Benzo(g,h,i)perylene

Concen: 0.20 ng

RT: 29.79 min Scan# 5336

Delta R.T. 0.00 min

Lab File: BE089860.D

Acq: 26 Mar 2015 16:46

Tgt Ion: 276 Resp: 10392

Ion Ratio Lower Upper

276 100

277 23.7 19.2 28.8

138 21.8 22.9 34.3#

