

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032615\
 Data File : BE089861.D
 Acq On : 26 Mar 2015 17:27
 Operator : TP/JJ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

Quant Time: Mar 27 02:11:40 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

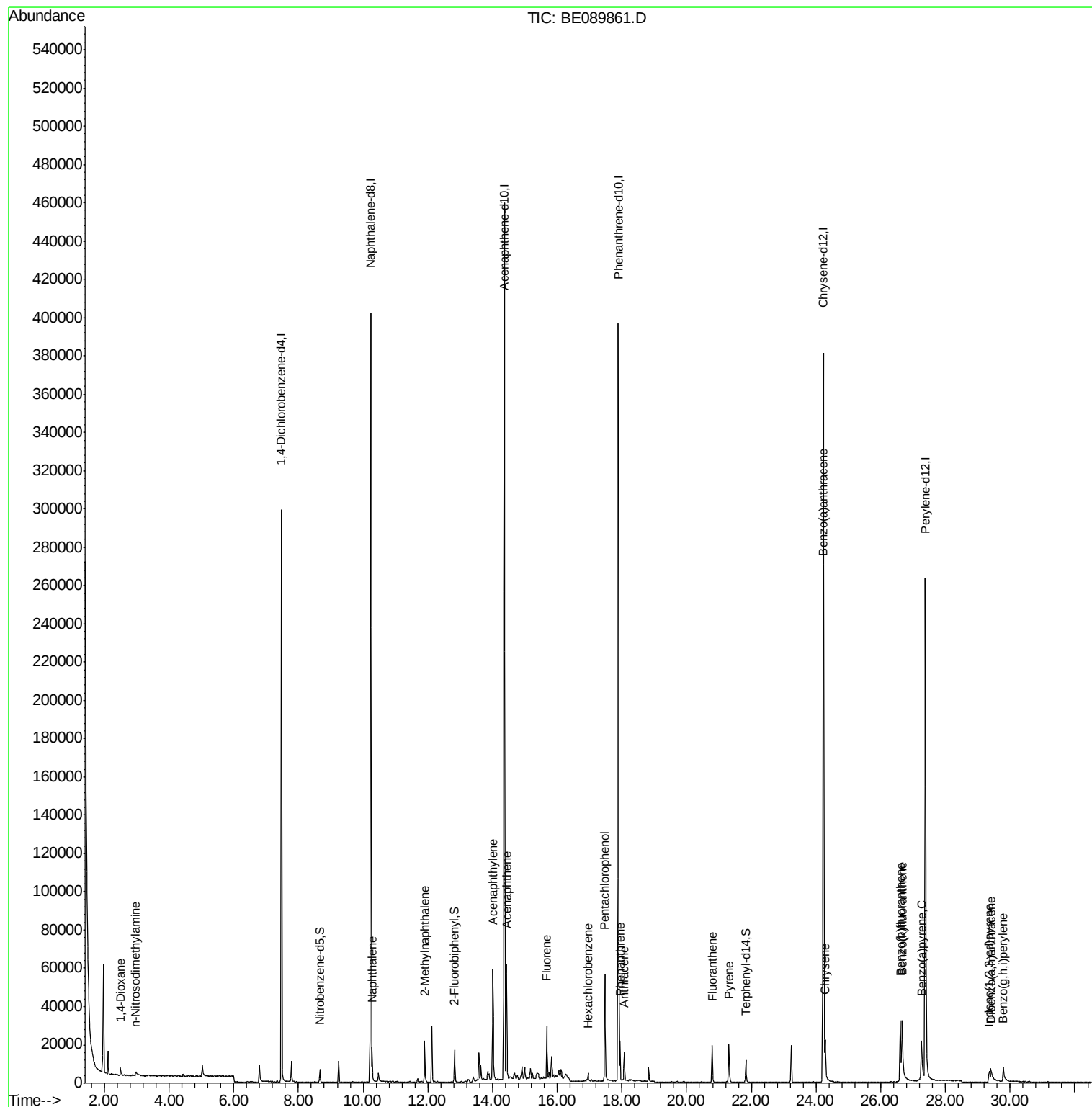
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	118941	5.00	ng	0.00
4) Naphthalene-d8	10.23	136	454078	5.00	ng	0.00
8) Acenaphthene-d10	14.36	164	251107	5.00	ng	0.00
13) Phenanthrene-d10	17.89	188	490397	5.00	ng	0.00
19) Chrysene-d12	24.23	240	465387	5.00	ng	0.00
25) Perylene-d12	27.38	264	347321	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.66	82	5499	0.21	ng	0.00
9) 2-Fluorobiphenyl	12.83	172	15327	0.26	ng	0.00
21) Terphenyl-d14	21.83	244	16949	0.25	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.50	88	3659	0.22	ng	96
3) n-Nitrosodimethylamine	2.97	42	3388	0.15	ng	# 80
6) Naphthalene	10.28	128	19015	0.21	ng	98
7) 2-Methylnaphthalene	11.91	142	13256	0.26	ng	98
10) Acenaphthylene	14.01	152	74722	0.21	ng	98
11) Acenaphthene	14.44	154	12245	0.22	ng	89
12) Fluorene	15.68	166	16306	0.24	ng	# 99
14) Hexachlorobenzene	16.95	284	2975	0.18	ng	92
15) Pentachlorophenol	17.48	266	40536	6.79	ng	100
16) Phenanthrene	17.95	178	24373	0.22	ng	97
17) Anthracene	18.07	178	19822	0.20	ng	97
18) Fluoranthene	20.79	202	20824	0.21	ng	99
20) Pyrene	21.31	202	22300	0.19	ng	99
22) Benzo(a)anthracene	24.21	228	23774	0.27	ng	97
23) Chrysene	24.29	228	23002	0.24	ng	99
24) Indeno(1,2,3-cd)pyrene	29.35	276	16896m	0.29	ng	
26) Benzo(b)fluoranthene	26.61	252	50721	0.91	ng	# 97
27) Benzo(k)fluoranthene	26.67	252	69856m	0.93	ng	
28) Benzo(a)pyrene	27.26	252	43781m	0.83	ng	
29) Dibenzo(a,h)anthracene	29.41	278	9993	0.26	ng	# 84
30) Benzo(g,h,i)perylene	29.79	276	15098	0.28	ng	# 89

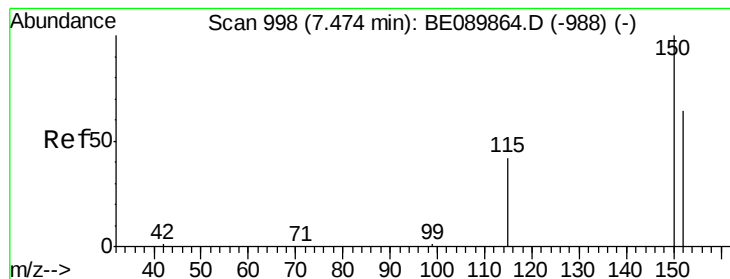
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.48 min Scan# 998

Delta R.T. 0.00 min

Lab File: BE089861.D

Acq: 26 Mar 2015 17:27

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

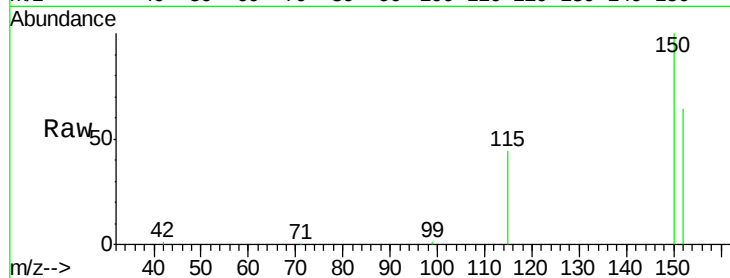
Tgt Ion:152 Resp: 118941

Ion Ratio Lower Upper

152 100

150 156.2 125.5 188.3

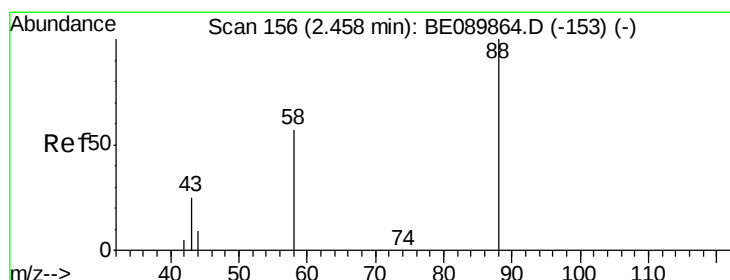
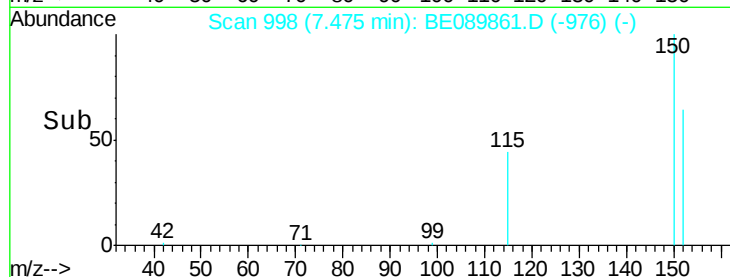
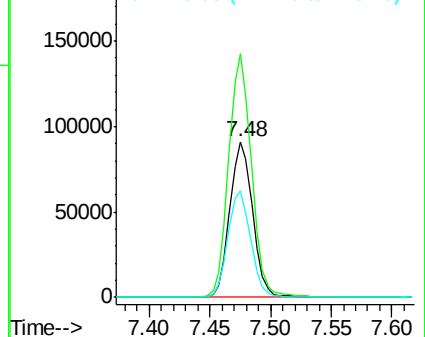
115 68.2 58.0 87.0



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: 0.22 ng

RT: 2.50 min Scan# 162

Delta R.T. 0.04 min

Lab File: BE089861.D

Acq: 26 Mar 2015 17:27

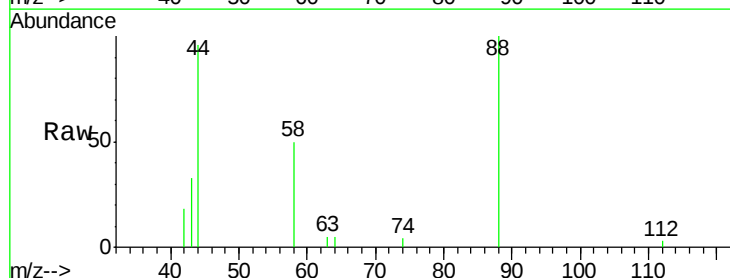
Tgt Ion: 88 Resp: 3659

Ion Ratio Lower Upper

88 100

58 57.5 48.6 72.8

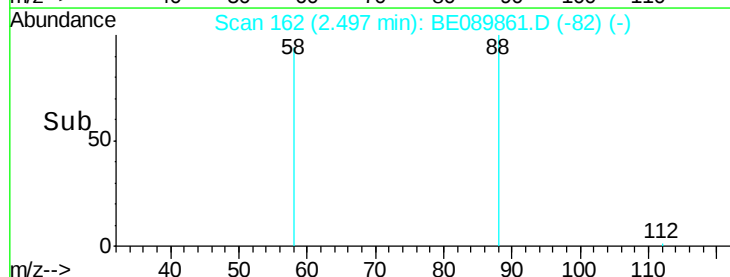
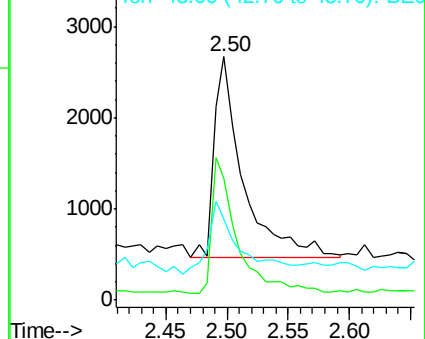
43 37.8 28.6 43.0

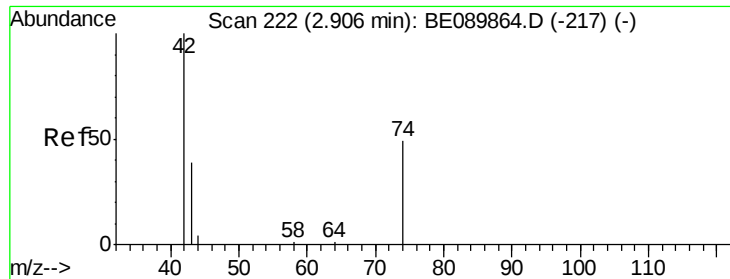


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



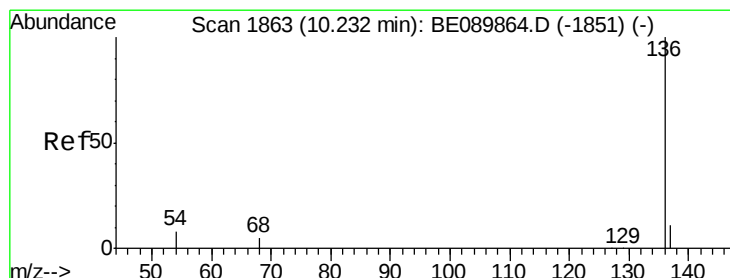
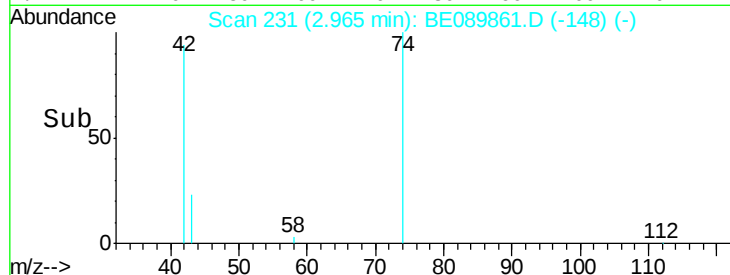
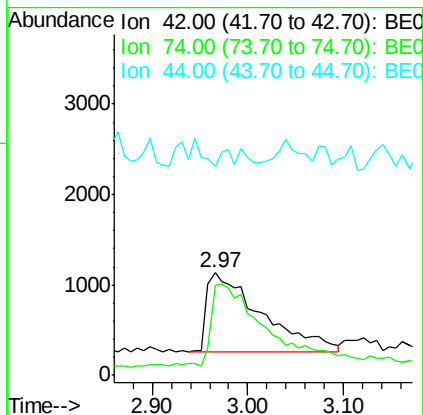
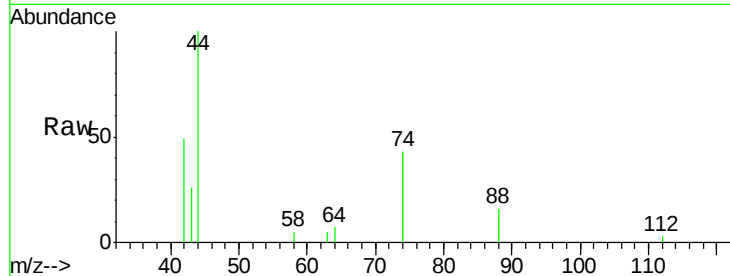


#3

n-Nitrosodimethylamine
 Concen: 0.15 ng
 RT: 2.97 min Scan# 231
 Delta R.T. 0.06 min
 Lab File: BE089861.D
 Acq: 26 Mar 2015 17:27

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

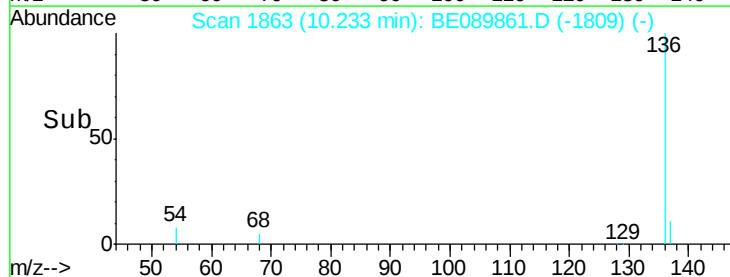
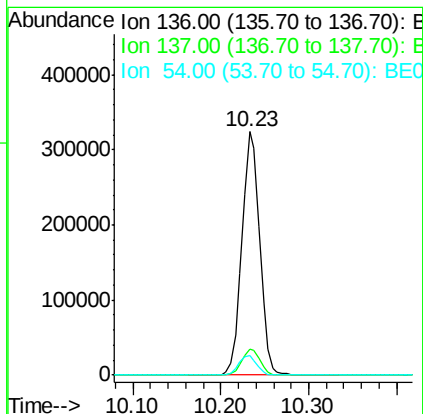
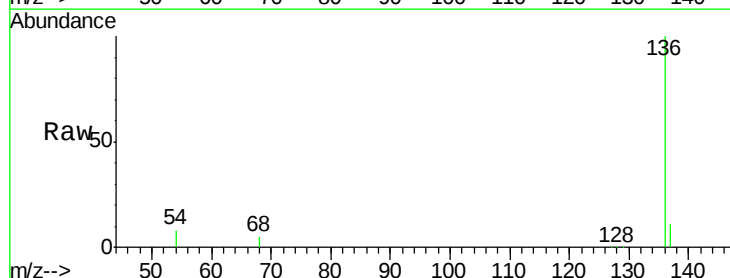
Tgt Ion: 42 Resp: 3388
 Ion Ratio Lower Upper
 42 100
 74 105.0 68.7 103.1#
 44 4.0 6.2 9.4#

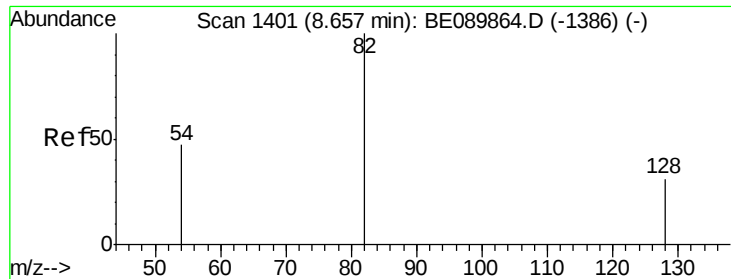


#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 10.23 min Scan# 1863
 Delta R.T. 0.00 min
 Lab File: BE089861.D
 Acq: 26 Mar 2015 17:27

Tgt Ion: 136 Resp: 454078
 Ion Ratio Lower Upper
 136 100
 137 10.8 8.8 13.2
 54 8.1 7.0 10.4





#5

Nitrobenzene-d5

Concen: 0.21 ng

RT: 8.66 min Scan# 1402

Delta R.T. 0.00 min

Lab File: BE089861.D

Acq: 26 Mar 2015 17:27

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

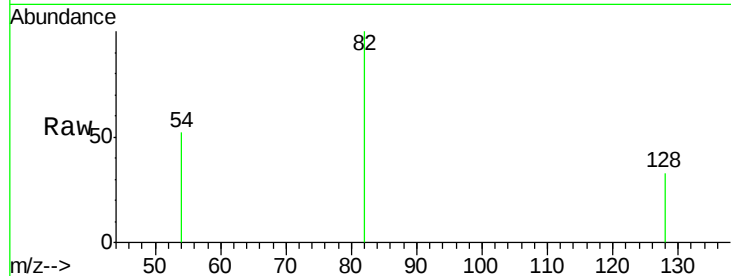
Tgt Ion: 82 Resp: 5499

Ion Ratio Lower Upper

82 100

128 32.7 24.6 37.0

54 52.4 43.0 64.6



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

8.66

4000

3000

2000

1000

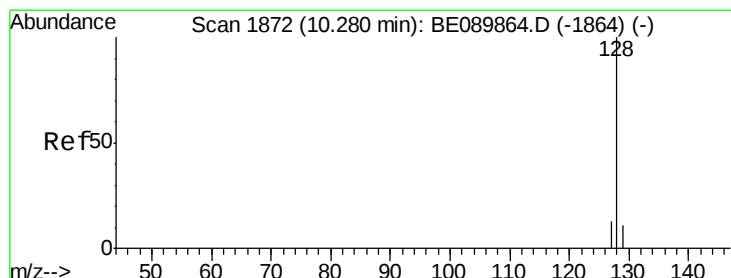
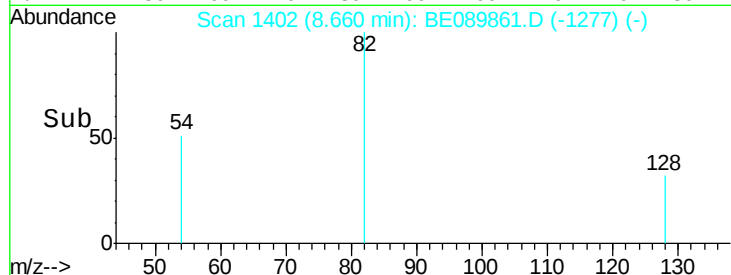
0

8.60

8.65

8.70

Time-->



#6

Naphthalene

Concen: 0.21 ng

RT: 10.28 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BE089861.D

Acq: 26 Mar 2015 17:27

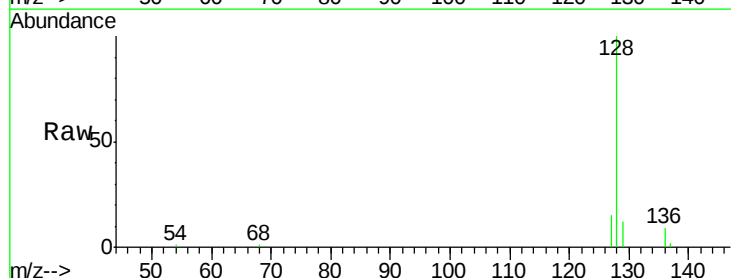
Tgt Ion: 128 Resp: 19015

Ion Ratio Lower Upper

128 100

129 12.0 10.0 15.0

127 14.6 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

10.28

15000

10000

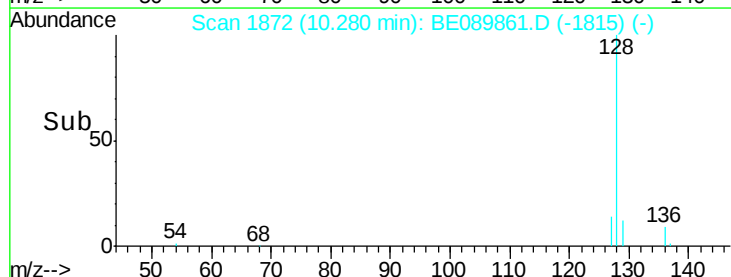
5000

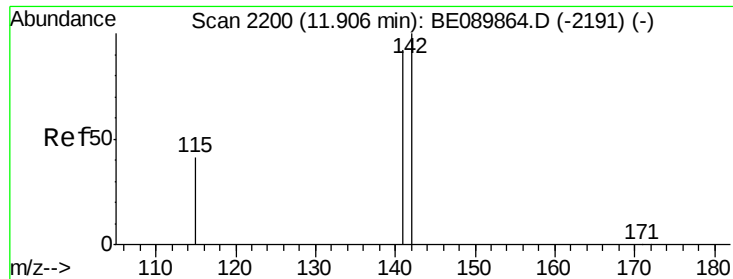
0

10.20

10.30

Time-->





#7

2-Methylnaphthalene

Concen: 0.26 ng

RT: 11.91 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BE089861.D

Acq: 26 Mar 2015 17:27

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

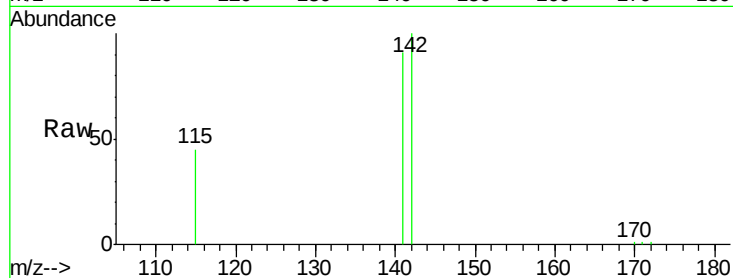
Tgt Ion:142 Resp: 13256

Ion Ratio Lower Upper

142 100

141 90.7 72.8 109.2

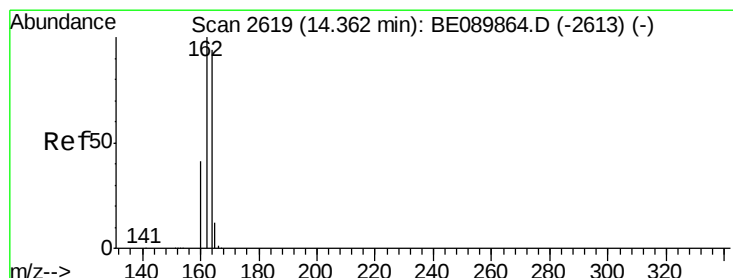
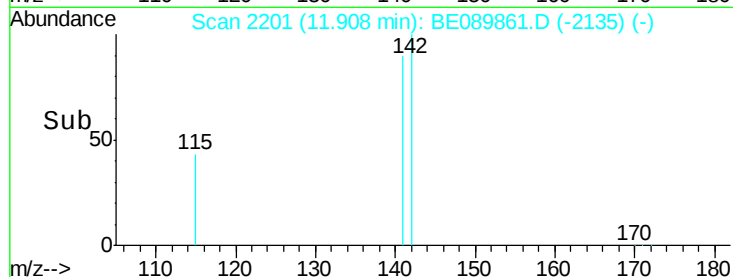
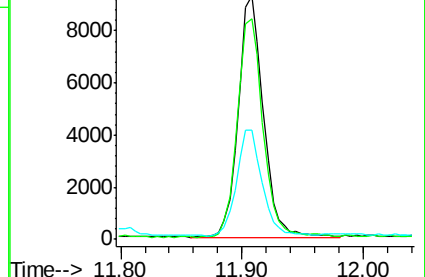
115 44.6 32.9 49.3



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# 2620

Delta R.T. 0.00 min

Lab File: BE089861.D

Acq: 26 Mar 2015 17:27

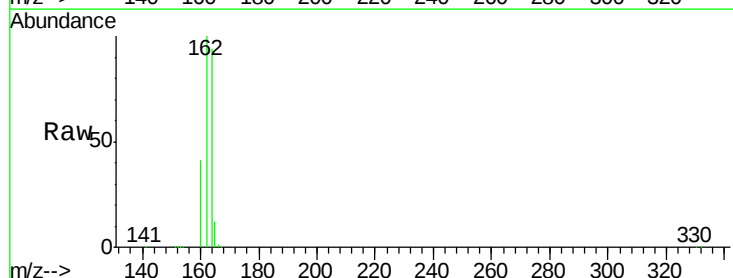
Tgt Ion:164 Resp: 251107

Ion Ratio Lower Upper

164 100

162 106.3 87.6 131.4

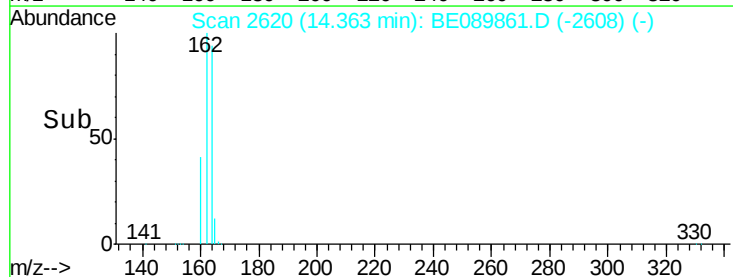
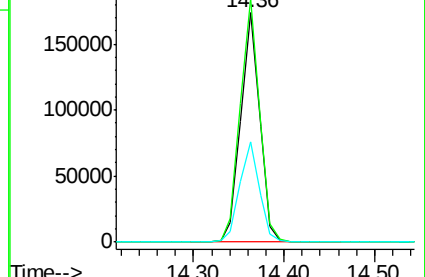
160 44.0 36.7 55.1

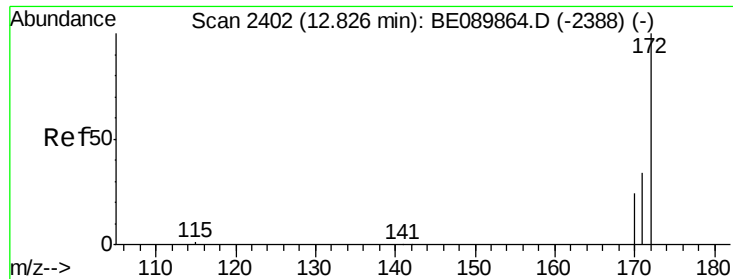


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

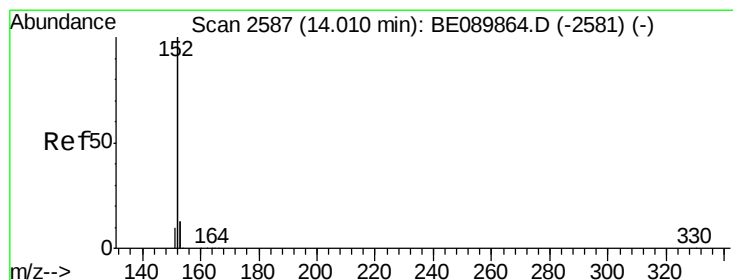
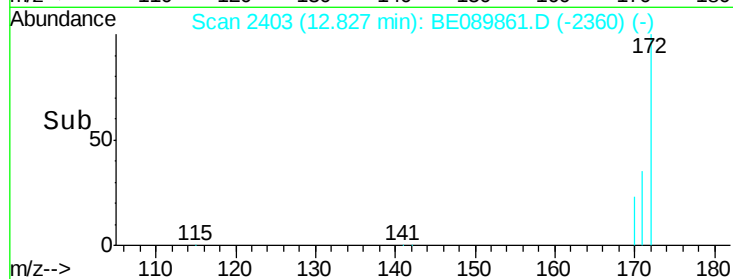
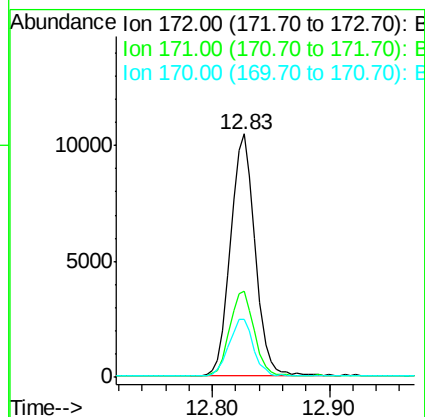
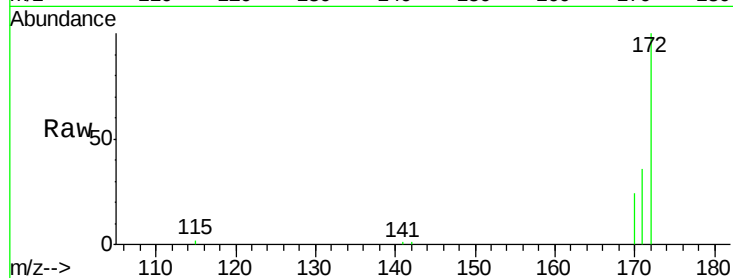




#9
2-Fluorobiphenyl
Concen: 0.26 ng
RT: 12.83 min Scan# 2403
Delta R.T. 0.00 min
Lab File: BE089861.D
Acq: 26 Mar 2015 17:27

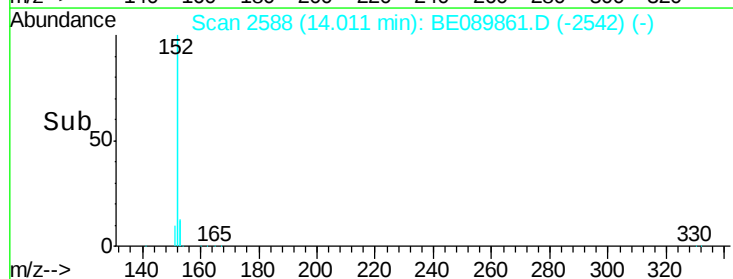
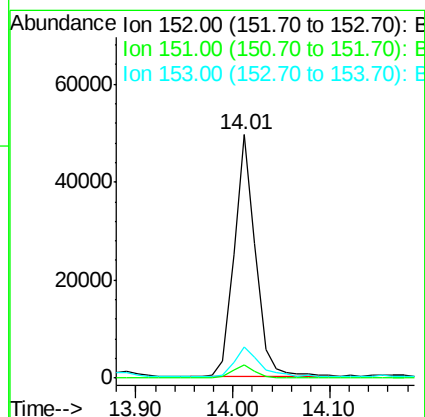
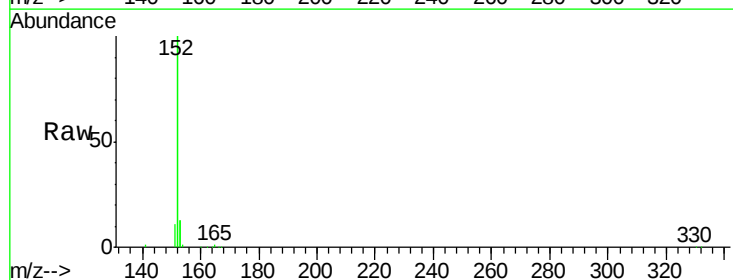
Instrument :
BNA_E
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SSTDIC0.2

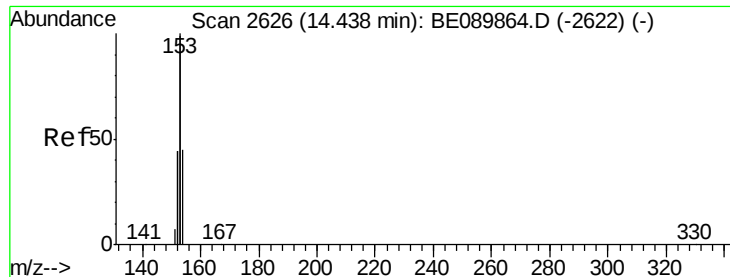
Tgt Ion:172 Resp: 15327
Ion Ratio Lower Upper
172 100
171 35.6 30.8 46.2
170 23.9 21.0 31.4



#10
Acenaphthylene
Concen: 0.21 ng
RT: 14.01 min Scan# 2588
Delta R.T. 0.00 min
Lab File: BE089861.D
Acq: 26 Mar 2015 17:27

Tgt Ion:152 Resp: 74722
Ion Ratio Lower Upper
152 100
151 5.4 3.9 5.9
153 14.6 11.0 16.4





#11

Acenaphthene

Concen: 0.22 ng

RT: 14.44 min Scan# 2627

Delta R.T. 0.00 min

Lab File: BE089861.D

Acq: 26 Mar 2015 17:27

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

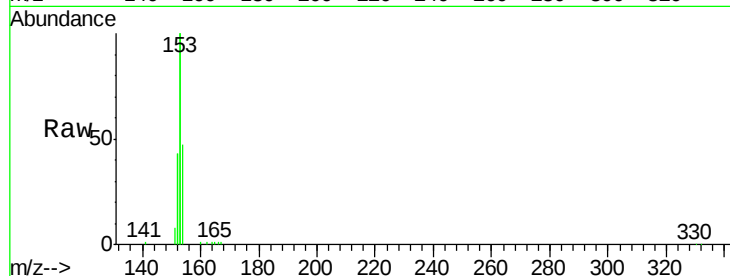
Tgt Ion:154 Resp: 12245

Ion Ratio Lower Upper

154 100

153 469.3 401.5 602.3

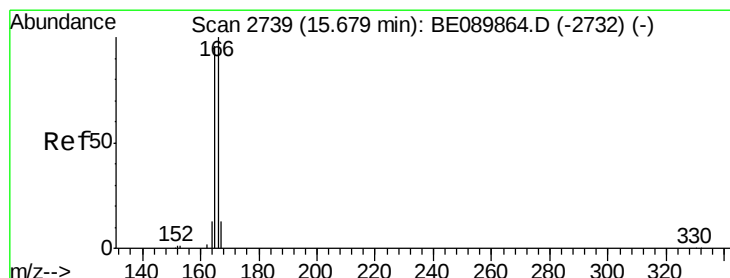
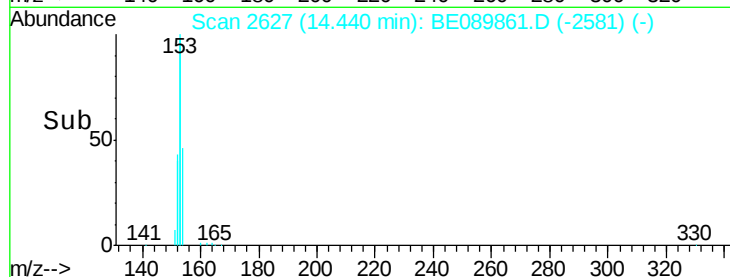
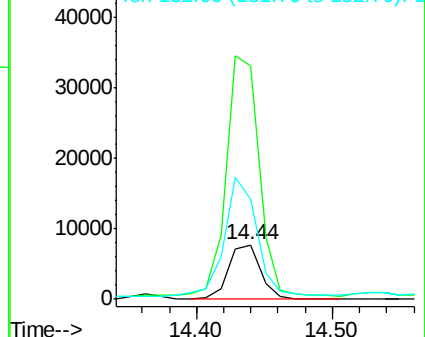
152 231.7 198.6 298.0



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: 0.24 ng

RT: 15.68 min Scan# 2740

Delta R.T. 0.00 min

Lab File: BE089861.D

Acq: 26 Mar 2015 17:27

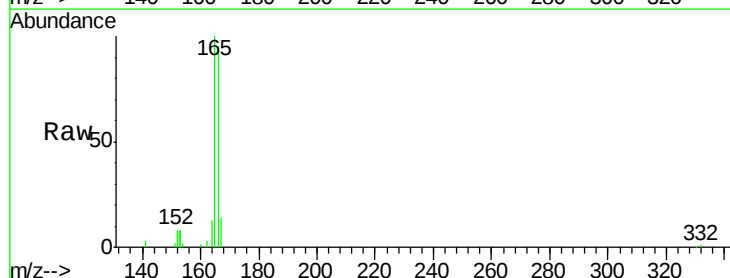
Tgt Ion:166 Resp: 16306

Ion Ratio Lower Upper

166 100

165 106.4 85.1 127.7

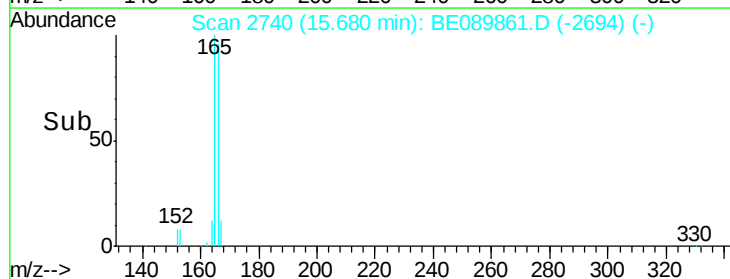
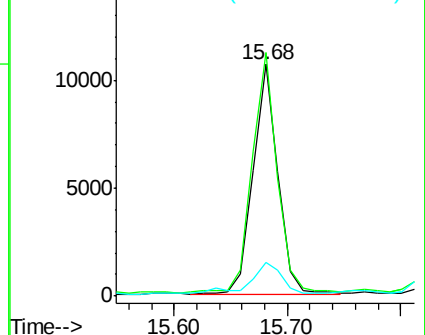
167 19.0 12.2 18.4#

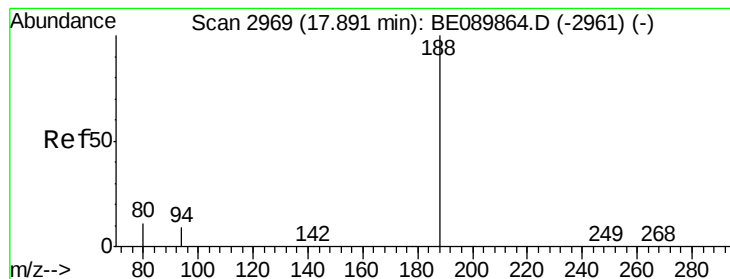


Abundance Ion 166.00 (165.70 to 166.70): E

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# 2970

Delta R.T. 0.00 min

Lab File: BE089861.D

Acq: 26 Mar 2015 17:27

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

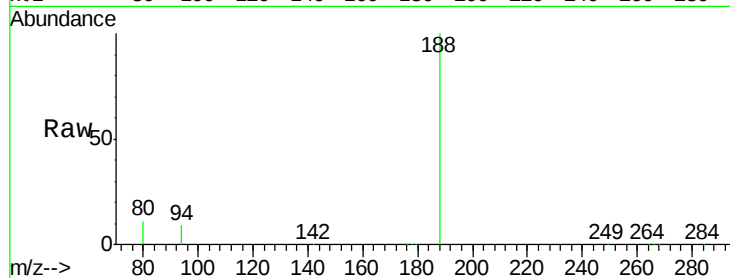
Tgt Ion:188 Resp: 490397

Ion Ratio Lower Upper

188 100

94 9.3 8.5 12.7

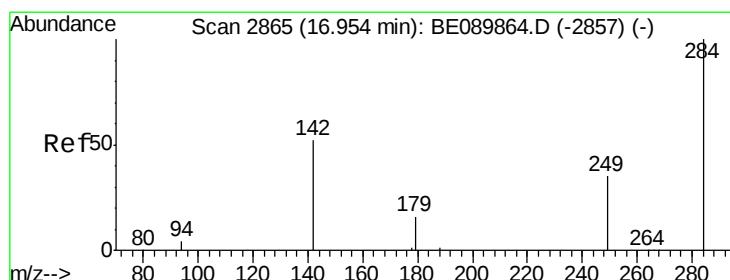
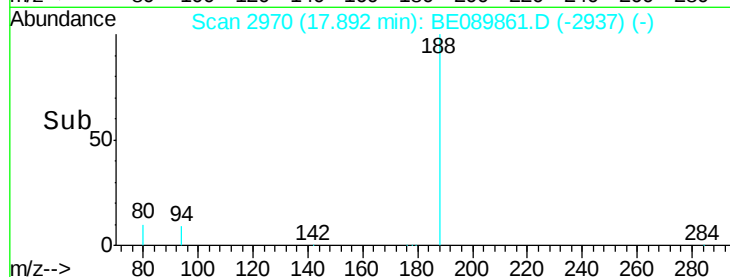
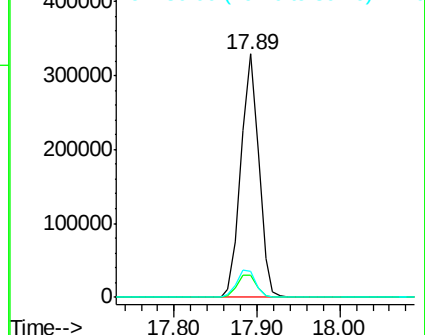
80 10.5 10.0 15.0



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



#14

Hexachlorobenzene

Concen: 0.18 ng

RT: 16.95 min Scan# 2866

Delta R.T. 0.00 min

Lab File: BE089861.D

Acq: 26 Mar 2015 17:27

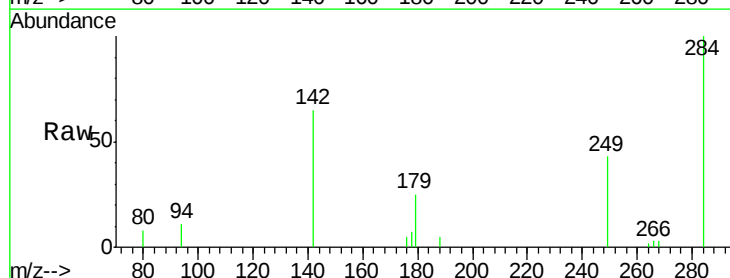
Tgt Ion:284 Resp: 2975

Ion Ratio Lower Upper

284 100

142 76.5 53.3 79.9

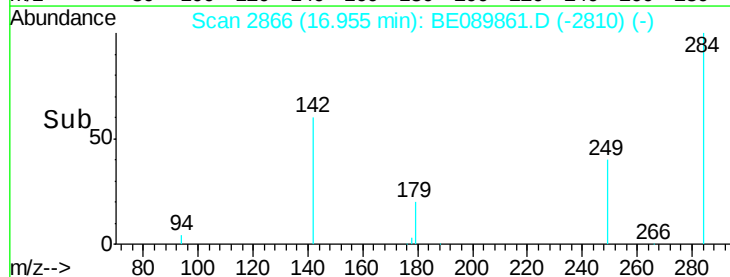
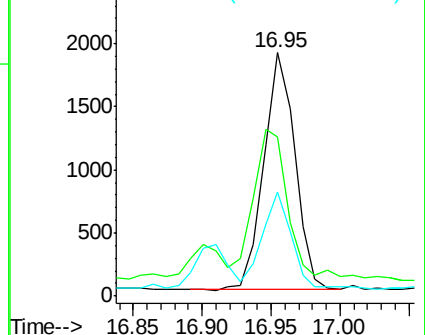
249 39.6 31.1 46.7

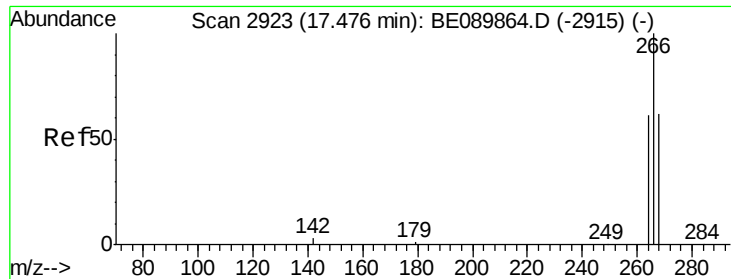


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

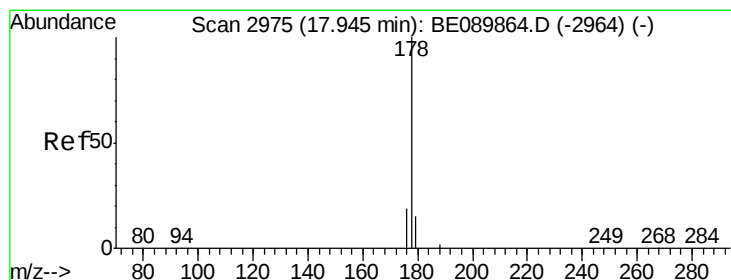
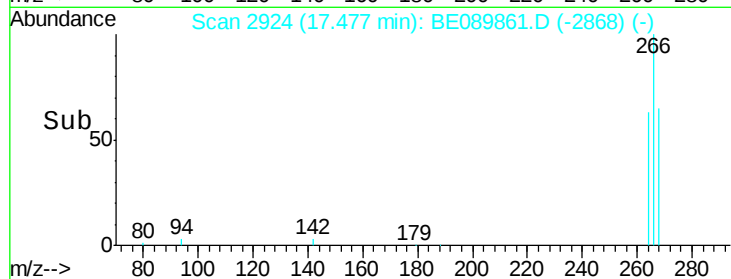
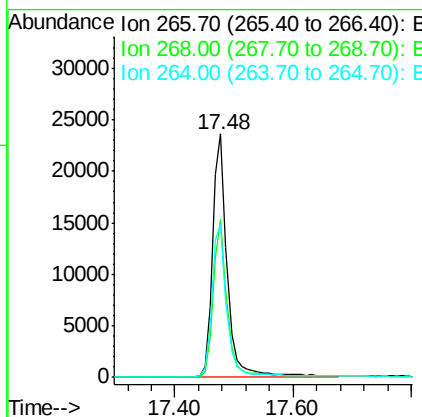
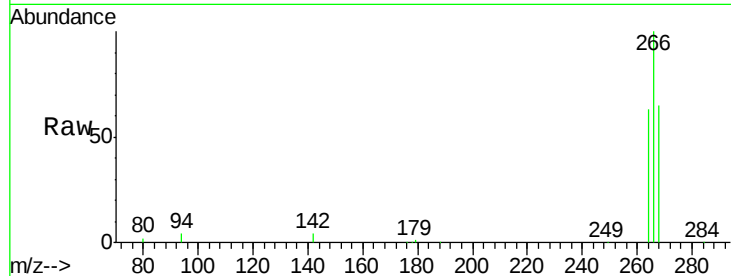




#15
 Pentachlorophenol
 Concen: 6.79 ng
 RT: 17.48 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: BE089861.D
 Acq: 26 Mar 2015 17:27

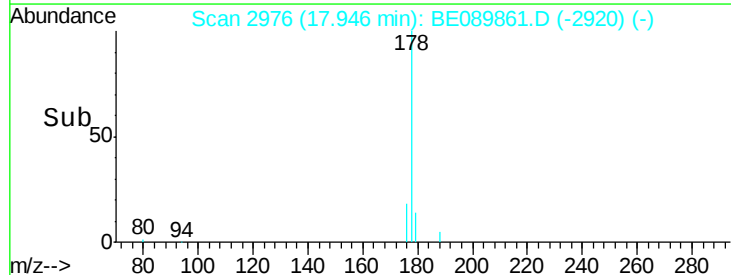
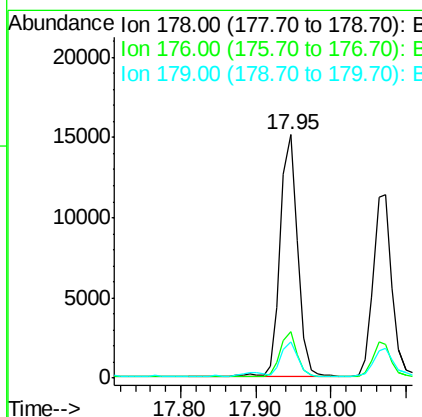
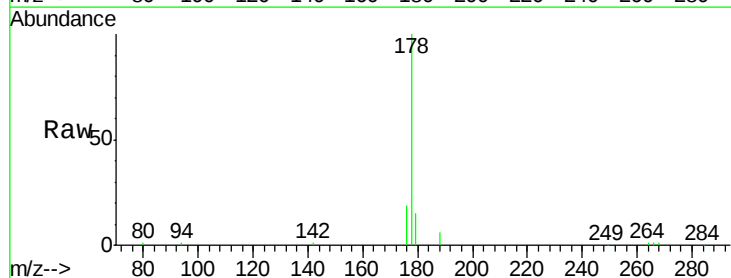
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

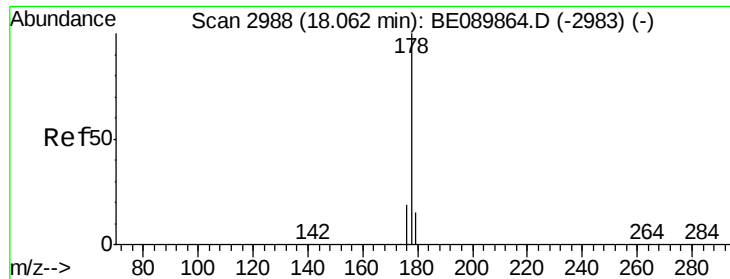
Tgt Ion: 266 Resp: 40536
 Ion Ratio Lower Upper
 266 100
 268 64.8 51.6 77.4
 264 62.8 50.2 75.2



#16
 Phenanthrene
 Concen: 0.22 ng
 RT: 17.95 min Scan# 2976
 Delta R.T. 0.00 min
 Lab File: BE089861.D
 Acq: 26 Mar 2015 17:27

Tgt Ion: 178 Resp: 24373
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.0
 179 13.8 12.2 18.4





#17

Anthracene

Concen: 0.20 ng

RT: 18.07 min Scan# 2990

Delta R.T. 0.01 min

Lab File: BE089861.D

Acq: 26 Mar 2015 17:27

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

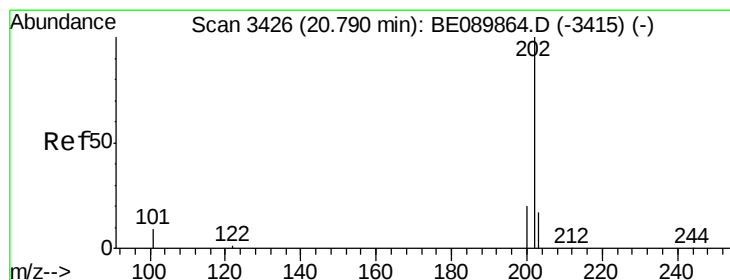
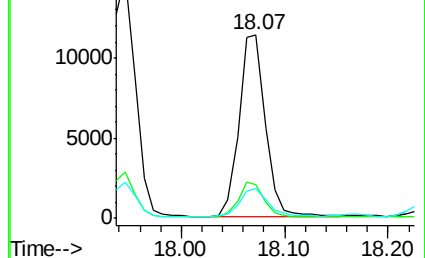
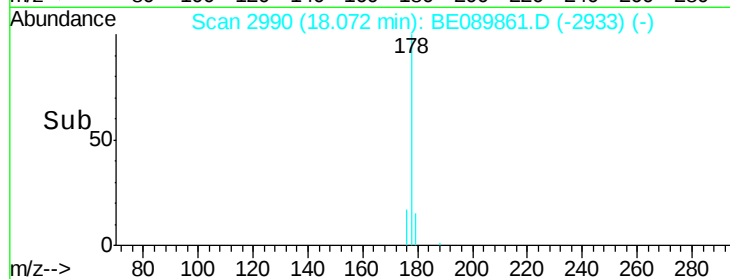
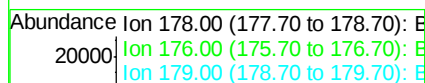
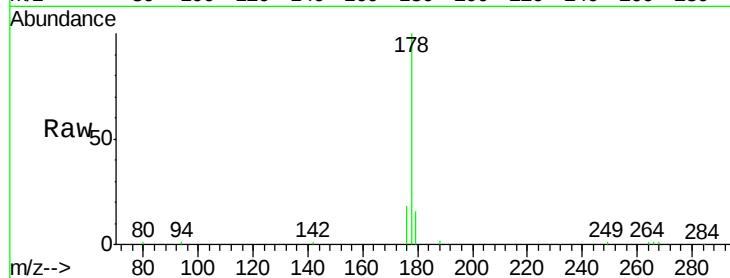
Tgt Ion:178 Resp: 19822

Ion Ratio Lower Upper

178 100

176 18.9 14.6 21.8

179 17.1 12.1 18.1



#18

Fluoranthene

Concen: 0.21 ng

RT: 20.79 min Scan# 3427

Delta R.T. -0.00 min

Lab File: BE089861.D

Acq: 26 Mar 2015 17:27

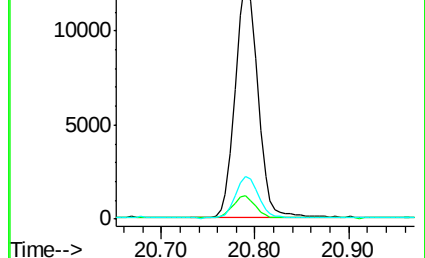
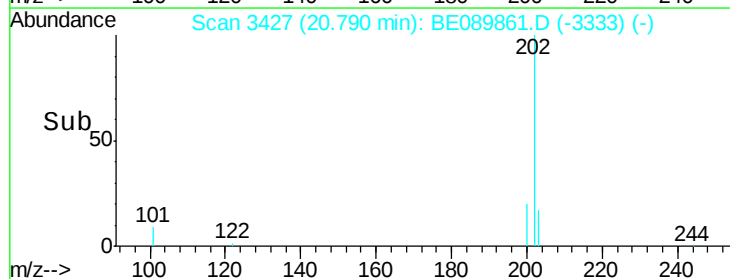
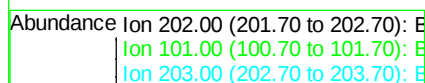
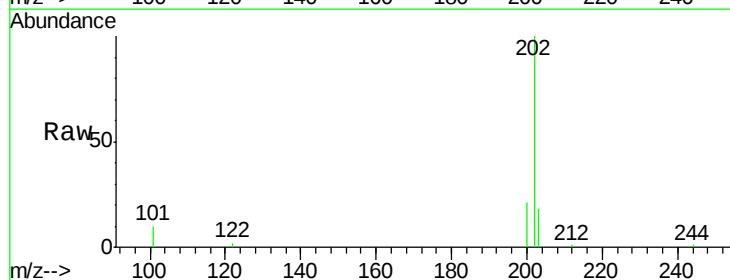
Tgt Ion:202 Resp: 20824

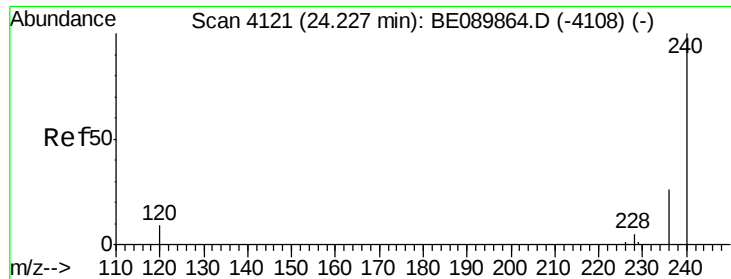
Ion Ratio Lower Upper

202 100

101 9.5 8.2 12.2

203 18.0 14.2 21.4





#19

Chrysene-d12

Concen: 5.00 ng

RT: 24.23 min Scan# 4122

Delta R.T. 0.00 min

Lab File: BE089861.D

Acq: 26 Mar 2015 17:27

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

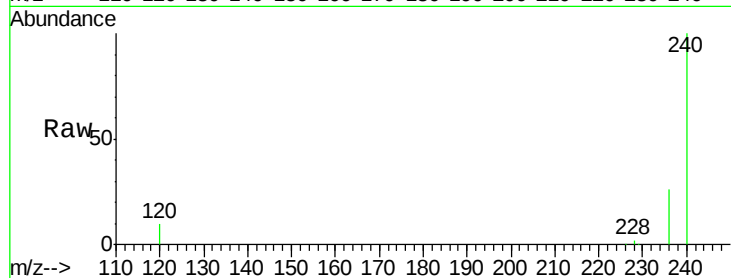
Tgt Ion:240 Resp: 465387

Ion Ratio Lower Upper

240 100

120 10.2 7.5 11.3

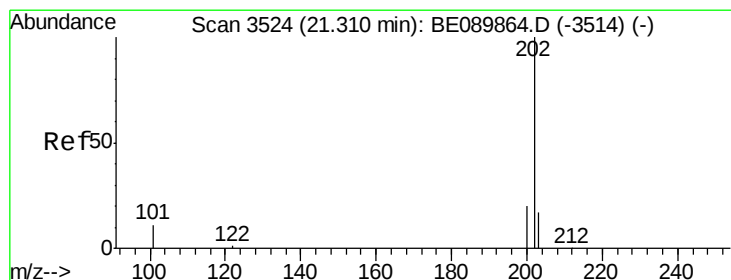
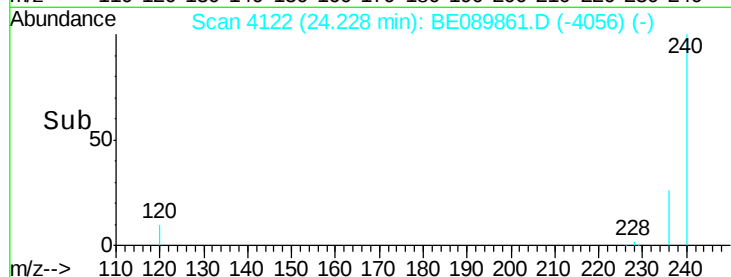
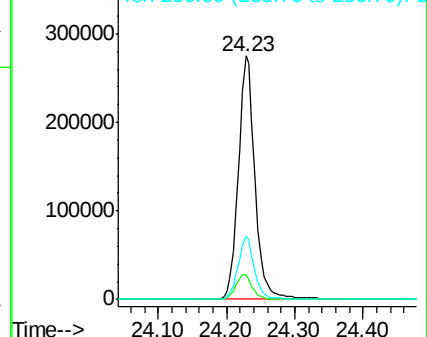
236 26.2 20.5 30.7



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: 0.19 ng

RT: 21.31 min Scan# 3525

Delta R.T. -0.00 min

Lab File: BE089861.D

Acq: 26 Mar 2015 17:27

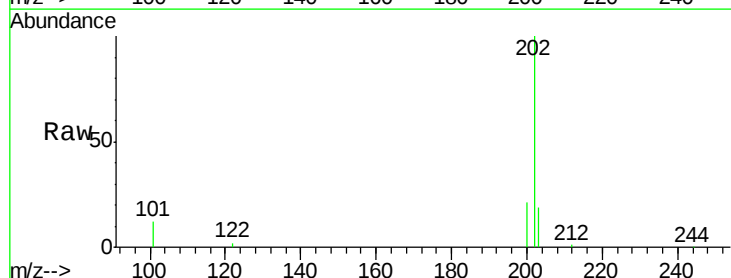
Tgt Ion:202 Resp: 22300

Ion Ratio Lower Upper

202 100

200 19.9 15.9 23.9

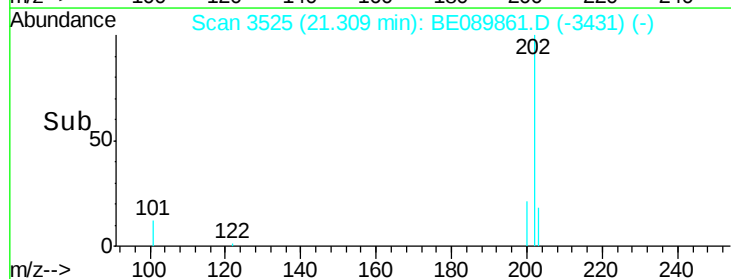
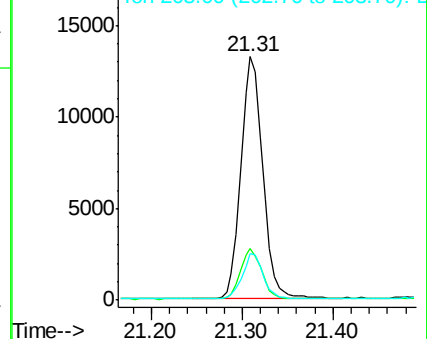
203 17.8 13.6 20.4

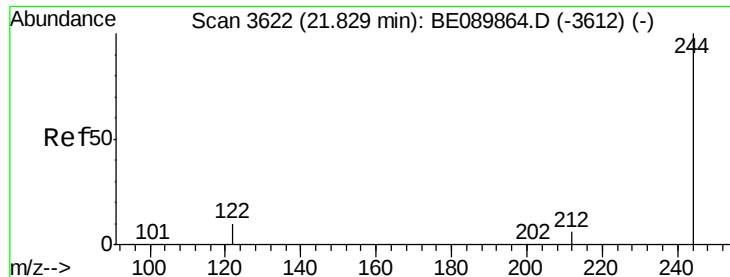


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

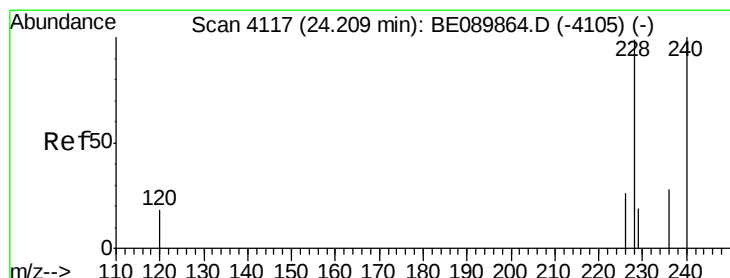
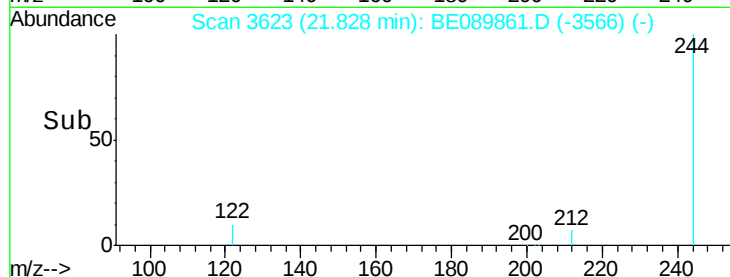
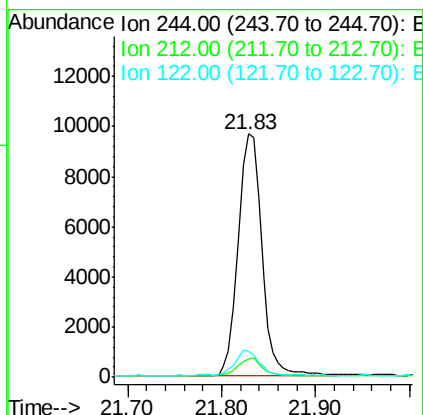
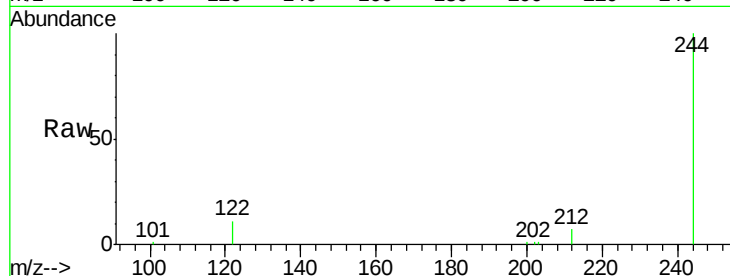




#21
 Terphenyl-d14
 Concen: 0.25 ng
 RT: 21.83 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: BE089861.D
 Acq: 26 Mar 2015 17:27

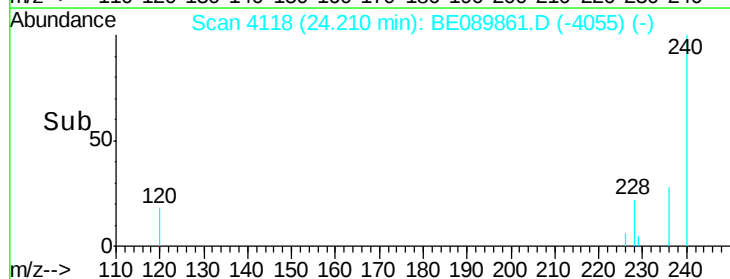
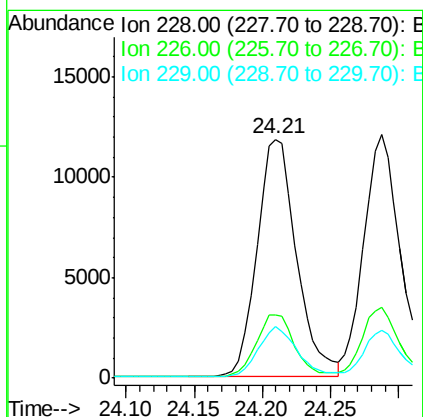
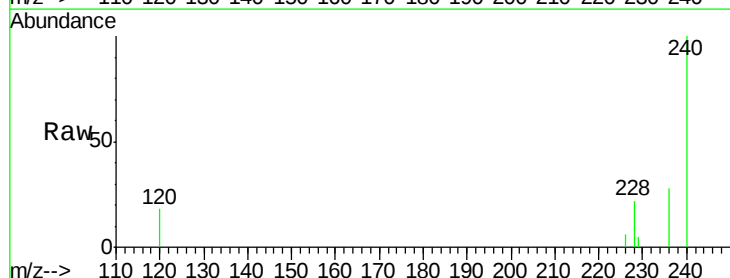
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

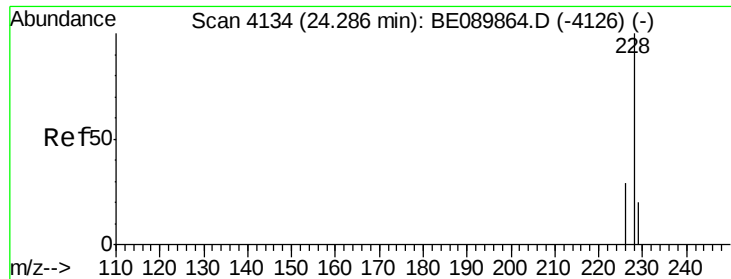
Tgt Ion: 244 Resp: 16949
 Ion Ratio Lower Upper
 244 100
 212 7.5 7.3 10.9
 122 10.8 10.5 15.7



#22
 Benzo(a)anthracene
 Concen: 0.27 ng
 RT: 24.21 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: BE089861.D
 Acq: 26 Mar 2015 17:27

Tgt Ion: 228 Resp: 23774
 Ion Ratio Lower Upper
 228 100
 226 26.6 19.8 29.8
 229 21.6 16.3 24.5





#23

Chrysene

Concen: 0.24 ng

RT: 24.29 min Scan# 4135

Delta R.T. 0.00 min

Lab File: BE089861.D

Acq: 26 Mar 2015 17:27

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

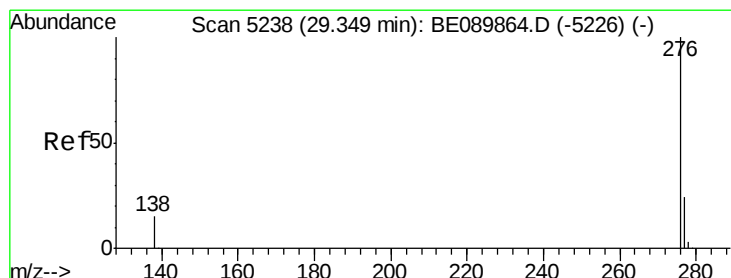
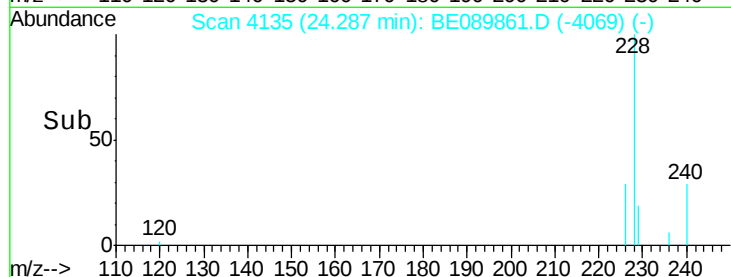
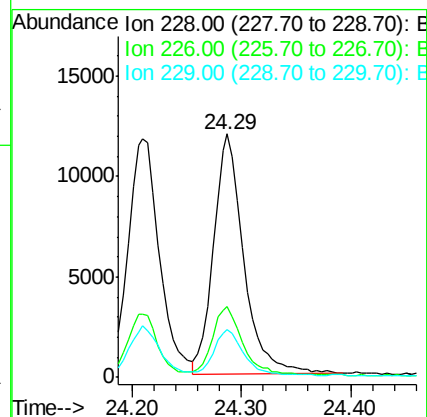
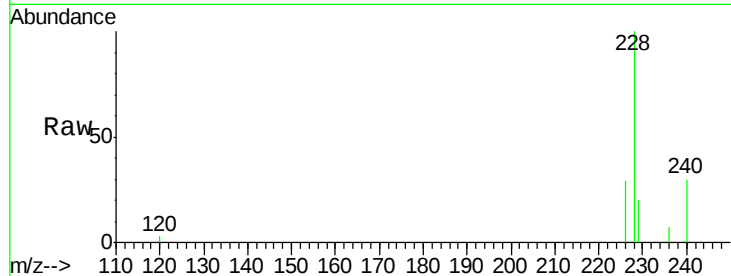
Tgt Ion:228 Resp: 23002

Ion Ratio Lower Upper

228 100

226 29.1 23.0 34.4

229 19.5 15.8 23.6



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.29 ng m

RT: 29.35 min Scan# 5239

Delta R.T. -0.00 min

Lab File: BE089861.D

Acq: 26 Mar 2015 17:27

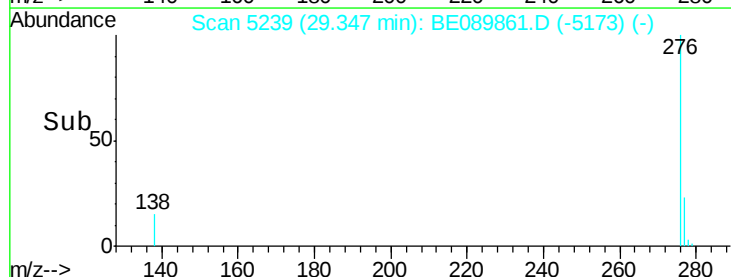
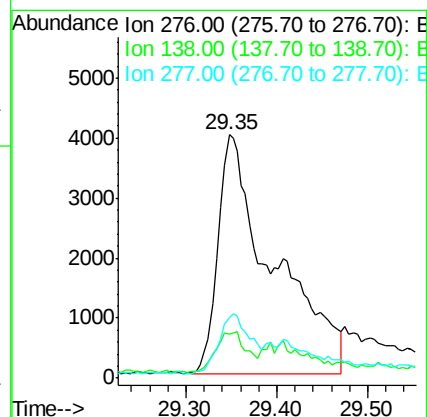
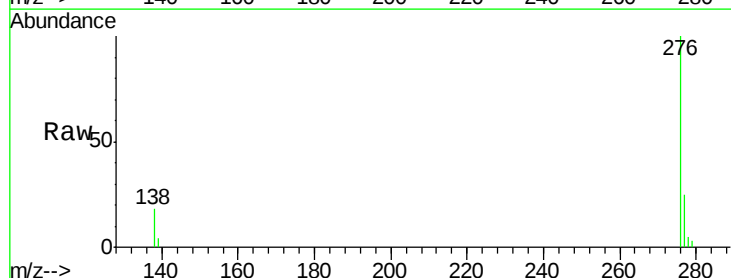
Tgt Ion:276 Resp: 16896

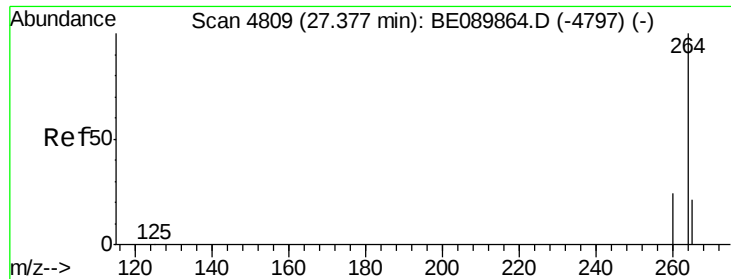
Ion Ratio Lower Upper

276 100

138 9.6 4.3 6.5#

277 14.7 9.0 13.4#

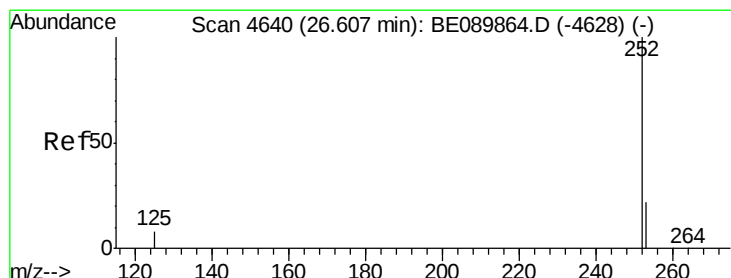
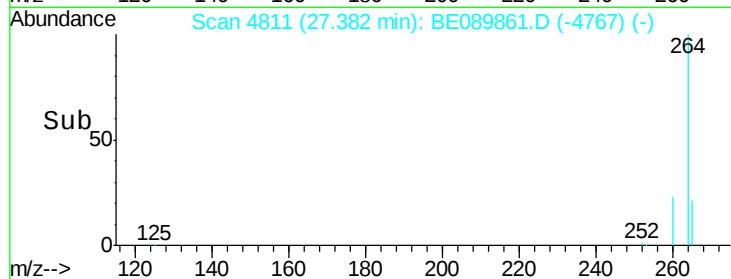
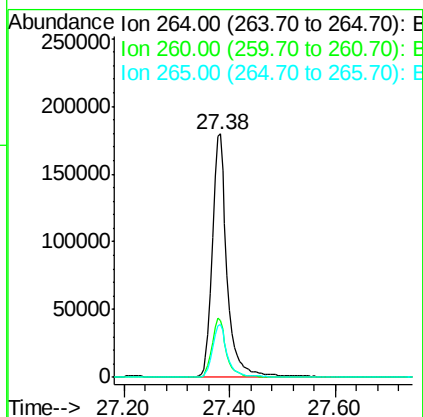
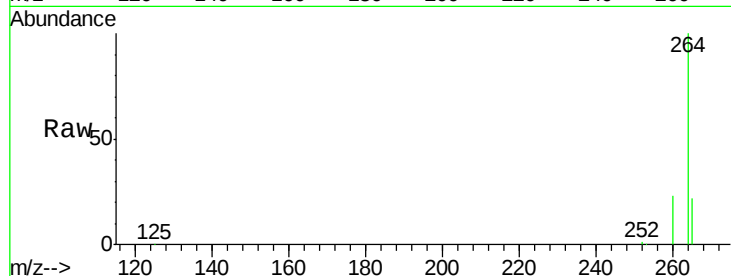




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 27.38 min Scan# 4811
 Delta R.T. 0.01 min
 Lab File: BE089861.D
 Acq: 26 Mar 2015 17:27

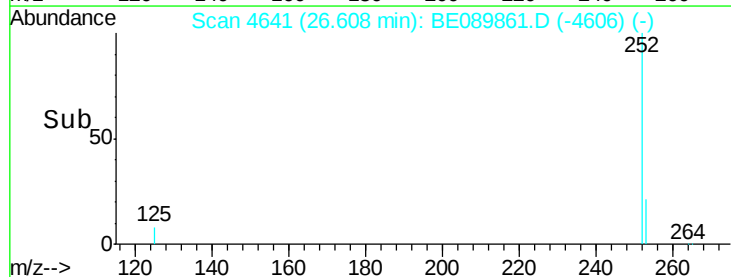
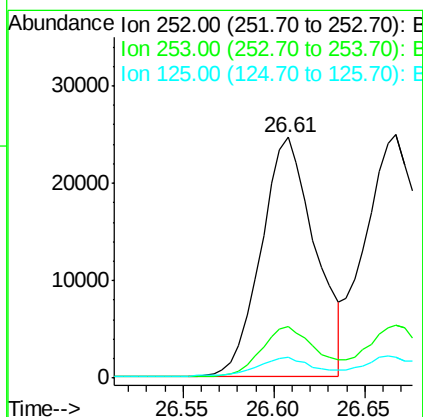
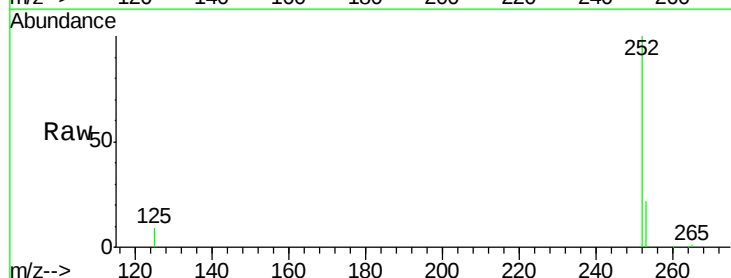
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

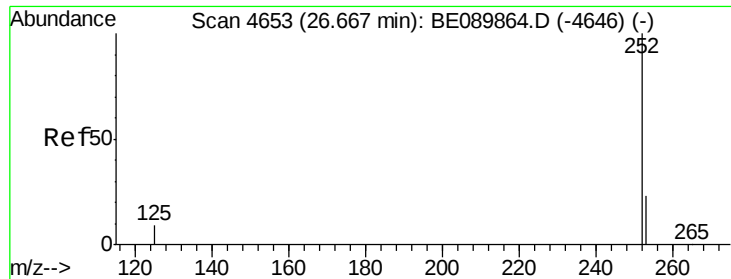
Tgt Ion: 264 Resp: 347321
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.2 27.2
 265 21.6 17.3 25.9



#26
 Benzo(b)fluoranthene
 Concen: 0.91 ng
 RT: 26.61 min Scan# 4641
 Delta R.T. 0.00 min
 Lab File: BE089861.D
 Acq: 26 Mar 2015 17:27

Tgt Ion: 252 Resp: 50721
 Ion Ratio Lower Upper
 252 100
 253 21.6 17.8 26.6
 125 8.6 8.7 13.1#





#27

Benzo(k)fluoranthene

Concen: 0.93 ng m

RT: 26.67 min Scan# 4654

Delta R.T. 0.00 min

Lab File: BE089861.D

Acq: 26 Mar 2015 17:27

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.2

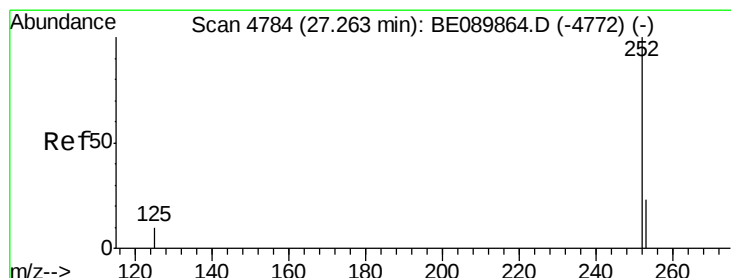
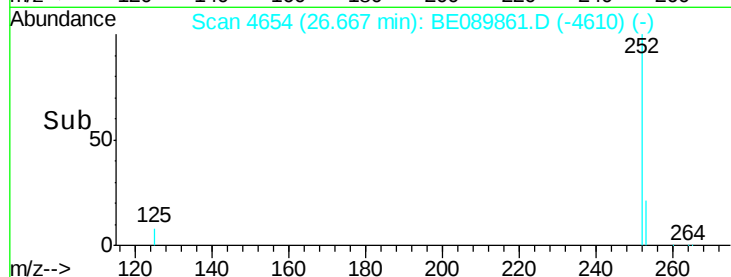
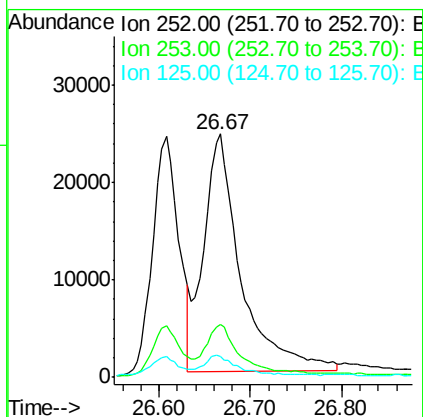
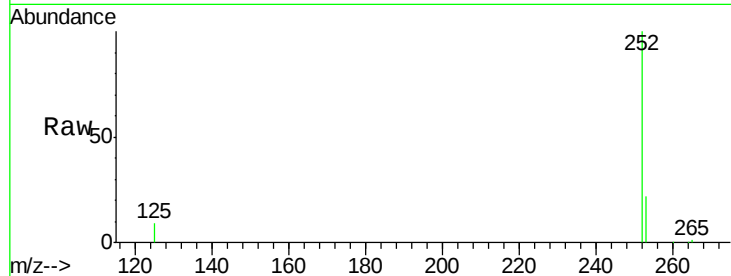
Tgt Ion:252 Resp: 69856

Ion Ratio Lower Upper

252 100

253 21.6 18.6 28.0

125 8.6 10.8 16.2#



#28

Benzo(a)pyrene

Concen: 0.83 ng m

RT: 27.26 min Scan# 4785

Delta R.T. 0.00 min

Lab File: BE089861.D

Acq: 26 Mar 2015 17:27

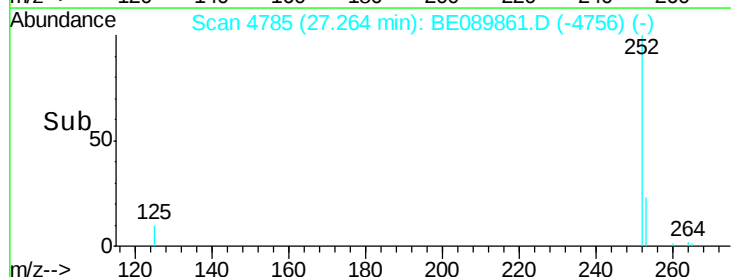
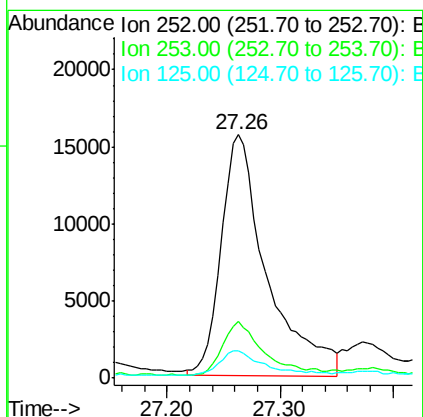
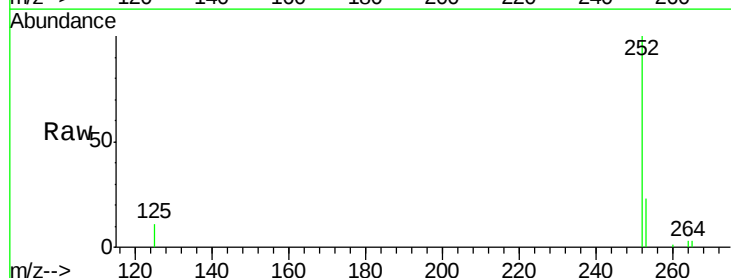
Tgt Ion:252 Resp: 43781

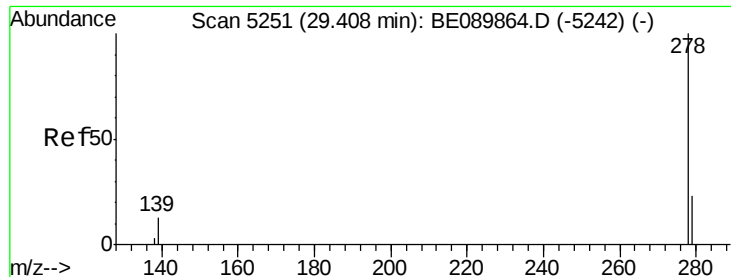
Ion Ratio Lower Upper

252 100

253 23.4 21.0 31.4

125 11.1 13.3 19.9#





#29

Dibenzo(a,h)anthracene

Concen: 0.26 ng

RT: 29.41 min Scan# 5253

Delta R.T. 0.00 min

Lab File: BE089861.D

Acq: 26 Mar 2015 17:27

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

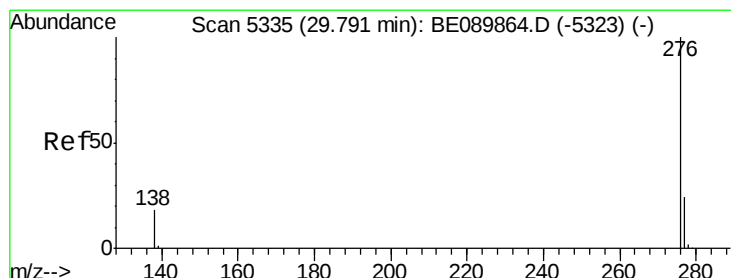
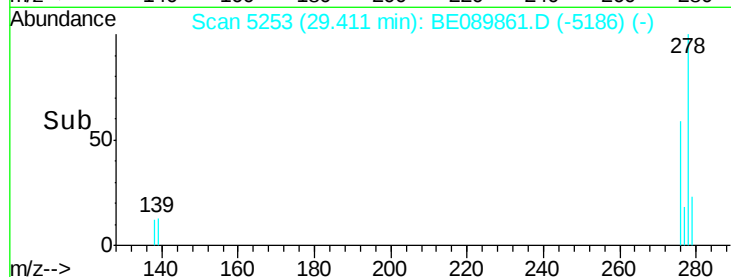
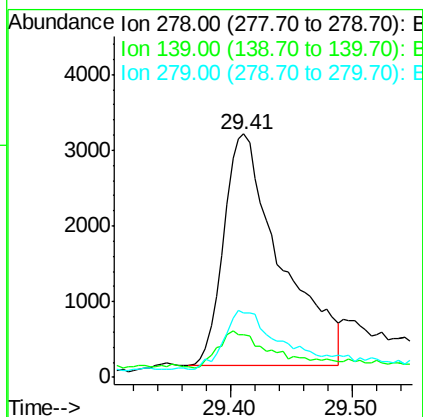
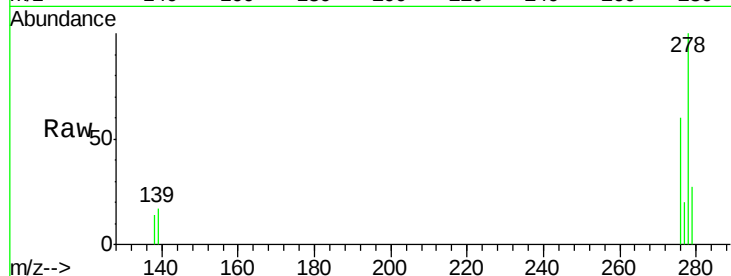
Tgt Ion: 278 Resp: 9993

Ion Ratio Lower Upper

278 100

139 17.3 20.0 30.0#

279 26.5 28.9 43.3#



#30

Benzo(g,h,i)perylene

Concen: 0.28 ng

RT: 29.79 min Scan# 5336

Delta R.T. -0.00 min

Lab File: BE089861.D

Acq: 26 Mar 2015 17:27

Tgt Ion: 276 Resp: 15098

Ion Ratio Lower Upper

276 100

277 24.9 19.2 28.8

138 19.0 22.9 34.3#

