

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032615\
 Data File : BE089863.D
 Acq On : 26 Mar 2015 18:48
 Operator : TP/JJ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Quant Time: Mar 27 02:14:41 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

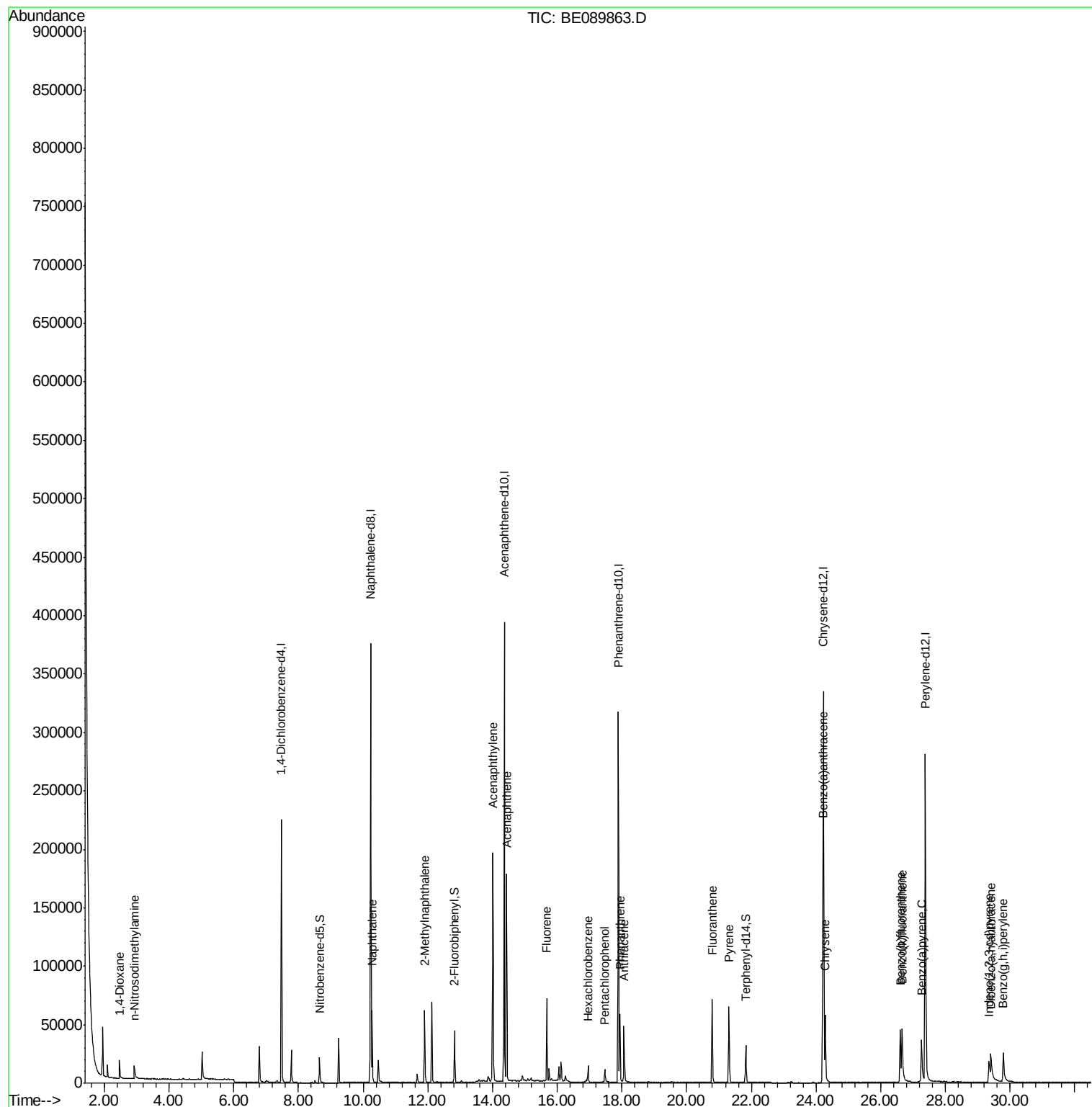
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	91056	5.00	ng	0.00
4) Naphthalene-d8	10.23	136	412187	5.00	ng	0.00
8) Acenaphthene-d10	14.36	164	213086	5.00	ng	0.00
13) Phenanthrene-d10	17.89	188	409394	5.00	ng	0.00
19) Chrysene-d12	24.23	240	409129	5.00	ng	0.00
25) Perylene-d12	27.38	264	378130	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.66	82	16780	0.70	ng	0.00
9) 2-Fluorobiphenyl	12.83	172	39335	0.78	ng	0.00
21) Terphenyl-d14	21.83	244	44632	0.74	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.47	88	10114	0.81	ng	92
3) n-Nitrosodimethylamine	2.92	42	11758	0.69	ng	# 78
6) Naphthalene	10.28	128	66116	0.80	ng	94
7) 2-Methylnaphthalene	11.91	142	38140	0.82	ng	98
10) Acenaphthylene	14.01	152	240759	0.78	ng	98
11) Acenaphthene	14.44	154	35509	0.75	ng	87
12) Fluorene	15.68	166	46105	0.80	ng	92
14) Hexachlorobenzene	16.95	284	9537	0.70	ng	98
15) Pentachlorophenol	17.48	266	8769	1.76	ng	98
16) Phenanthrene	17.95	178	67009	0.74	ng	99
17) Anthracene	18.06	178	60490	0.74	ng	100
18) Fluoranthene	20.79	202	76644	0.92	ng	98
20) Pyrene	21.31	202	72243	0.70	ng	99
22) Benzo(a)anthracene	24.21	228	62910	0.81	ng	97
23) Chrysene	24.29	228	65620	0.78	ng	98
24) Indeno(1,2,3-cd)pyrene	29.35	276	53493m	1.05	ng	
26) Benzo(b)fluoranthene	26.61	252	72021m	1.18	ng	
27) Benzo(k)fluoranthene	26.66	252	95069	1.16	ng	# 94
28) Benzo(a)pyrene	27.26	252	68018m	1.19	ng	
29) Dibenzo(a,h)anthracene	29.41	278	39089	0.95	ng	# 79
30) Benzo(g,h,i)perylene	29.79	276	50758	0.87	ng	# 88

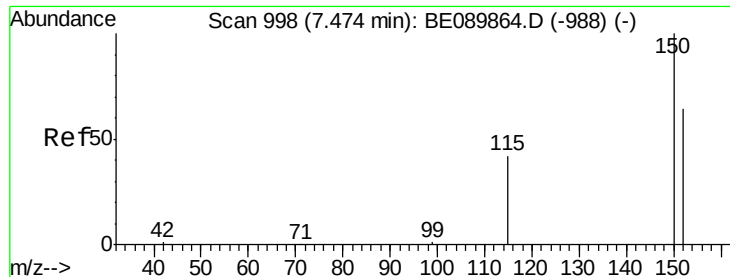
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.48 min Scan# 998

Delta R.T. 0.00 min

Lab File: BE089863.D

Acq: 26 Mar 2015 18:48

Instrument :

BNA_E

ClientSampled :

SSTDICC0.8

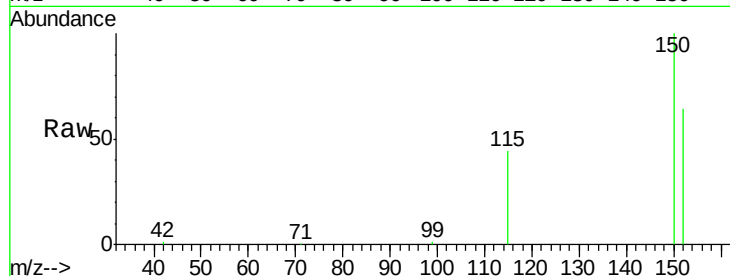
Tgt Ion: 152 Resp: 91056

Ion Ratio Lower Upper

152 100

150 155.9 125.5 188.3

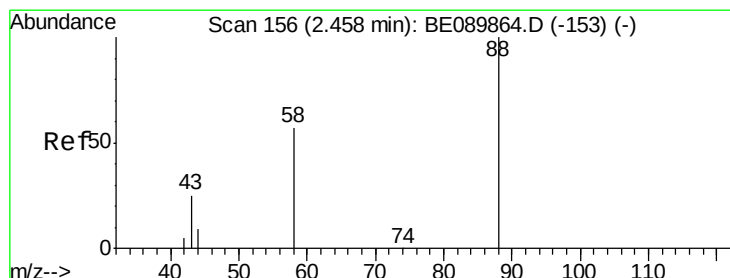
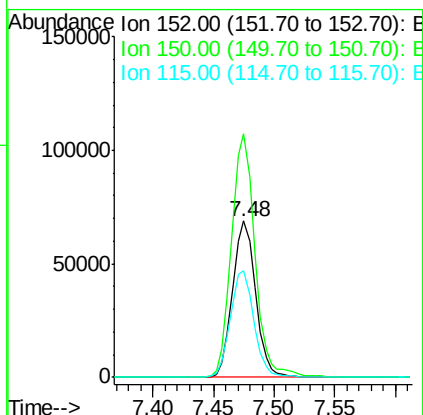
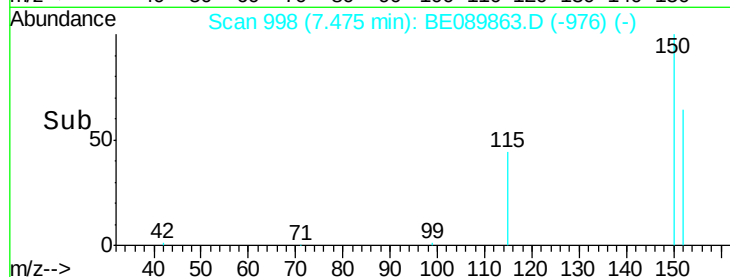
115 68.2 58.0 87.0



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: 0.81 ng

RT: 2.47 min Scan# 158

Delta R.T. 0.01 min

Lab File: BE089863.D

Acq: 26 Mar 2015 18:48

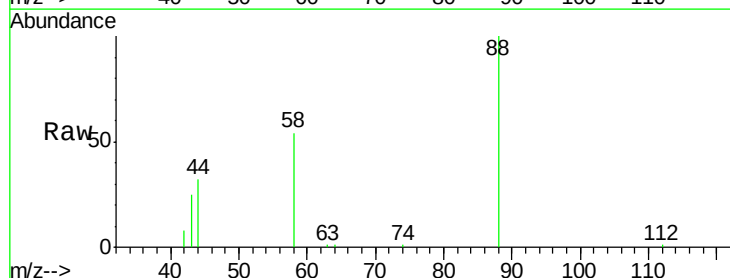
Tgt Ion: 88 Resp: 10114

Ion Ratio Lower Upper

88 100

58 66.6 48.6 72.8

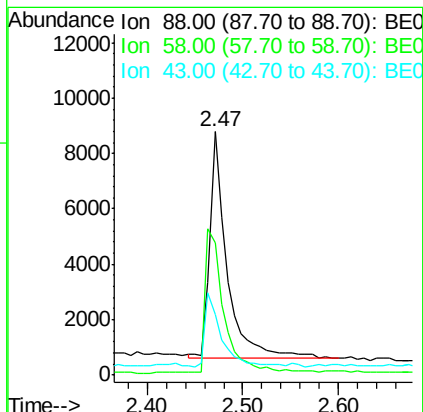
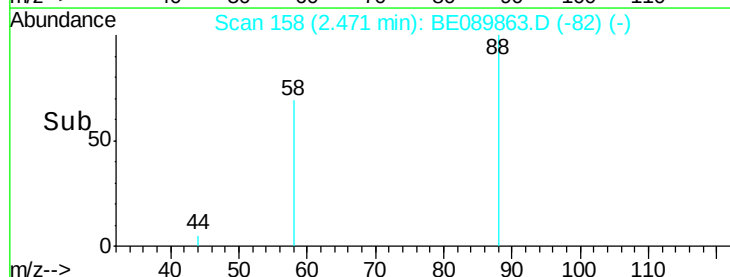
43 30.2 28.6 43.0

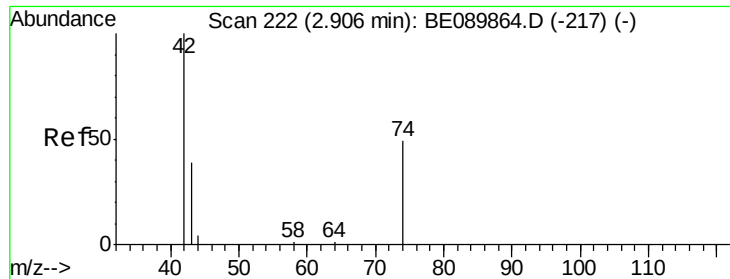


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.69 ng

RT: 2.92 min Scan# 224

Delta R.T. 0.01 min

Lab File: BE089863.D

Acq: 26 Mar 2015 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.8

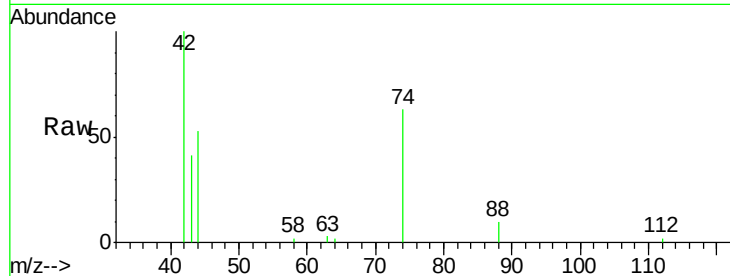
Tgt Ion: 42 Resp: 11758

Ion Ratio Lower Upper

42 100

74 108.2 68.7 103.1#

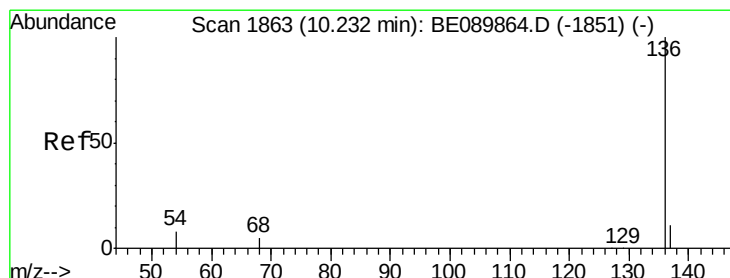
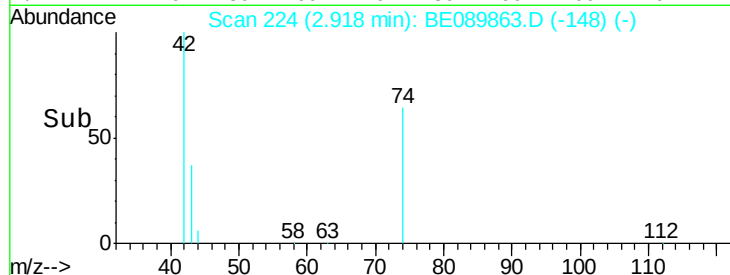
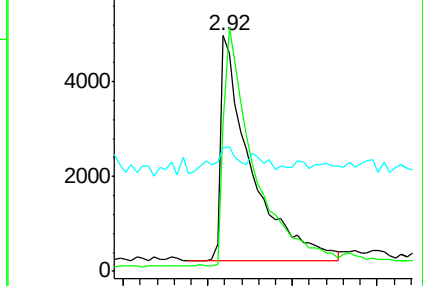
44 7.7 6.2 9.4



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: BE089863.D

Acq: 26 Mar 2015 18:48

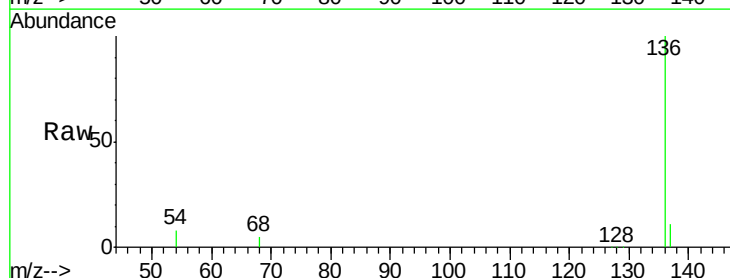
Tgt Ion: 136 Resp: 412187

Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

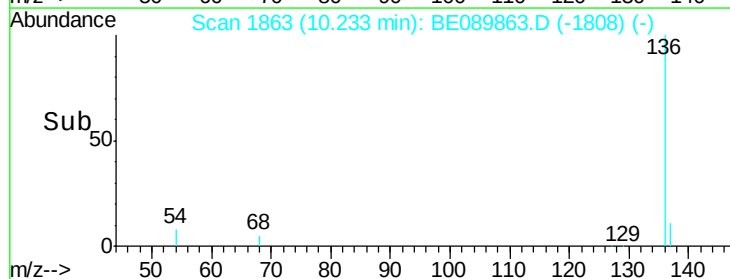
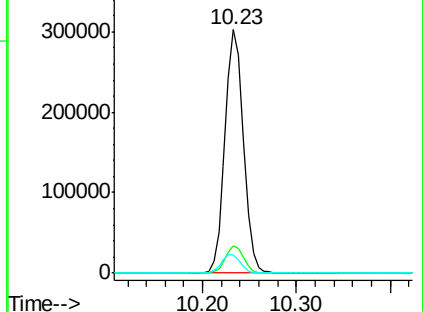
54 7.7 7.0 10.4

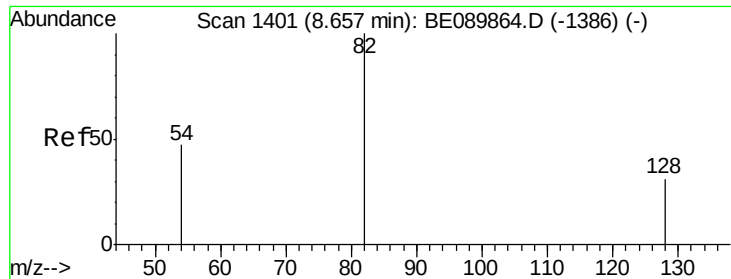


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 0.70 ng

RT: 8.66 min Scan# 1400

Delta R.T. -0.00 min

Lab File: BE089863.D

Acq: 26 Mar 2015 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.8

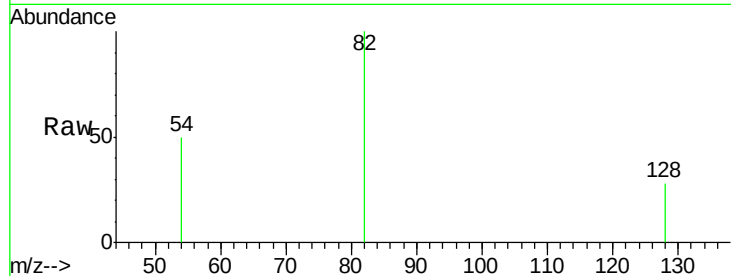
Tgt Ion: 82 Resp: 16780

Ion Ratio Lower Upper

82 100

128 28.5 24.6 37.0

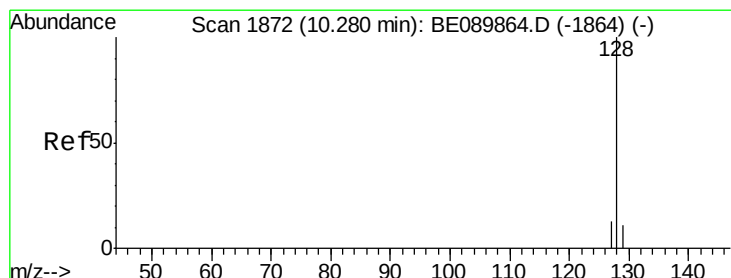
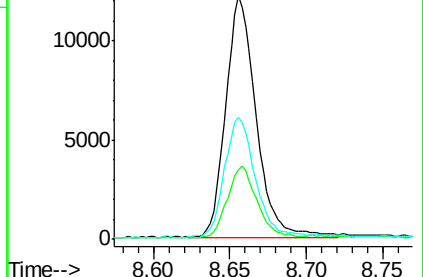
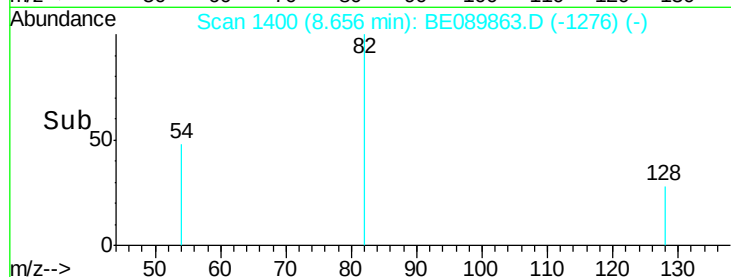
54 49.9 43.0 64.6



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



#6

Naphthalene

Concen: 0.80 ng

RT: 10.28 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BE089863.D

Acq: 26 Mar 2015 18:48

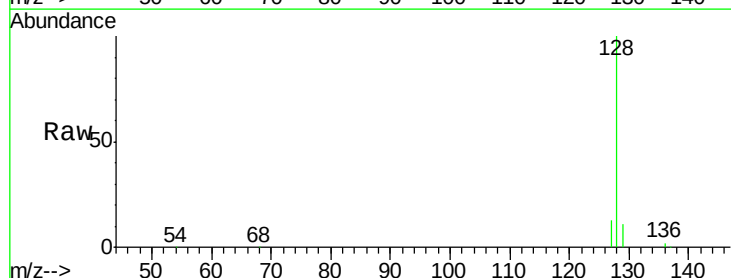
Tgt Ion: 128 Resp: 66116

Ion Ratio Lower Upper

128 100

129 10.9 10.0 15.0

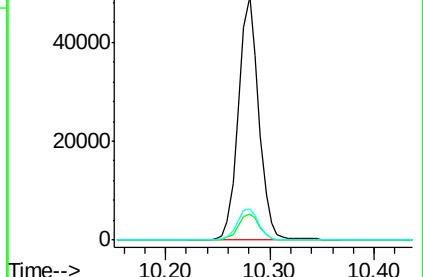
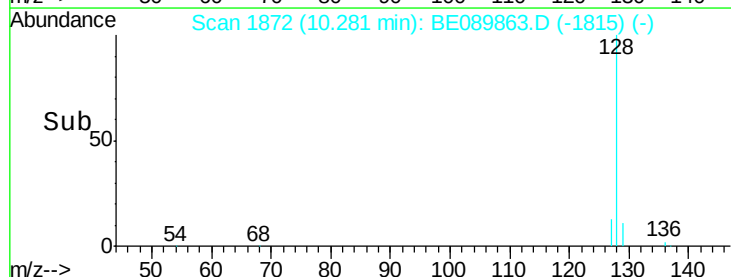
127 12.8 12.5 18.7

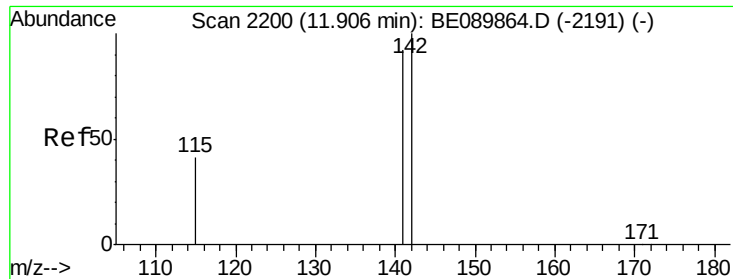


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.82 ng

RT: 11.91 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BE089863.D

Acq: 26 Mar 2015 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.8

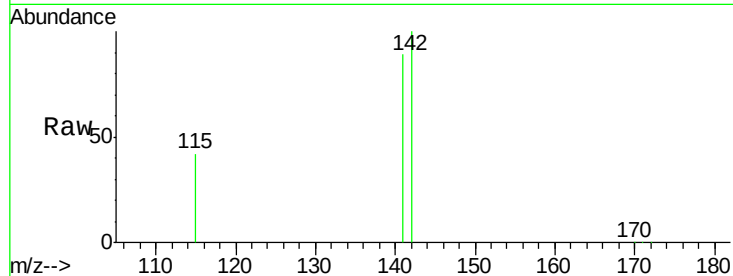
Tgt Ion:142 Resp: 38140

Ion Ratio Lower Upper

142 100

141 88.6 72.8 109.2

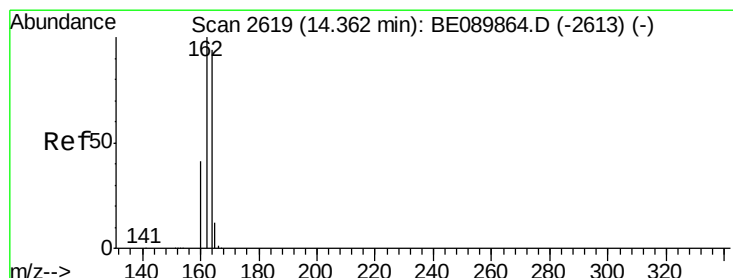
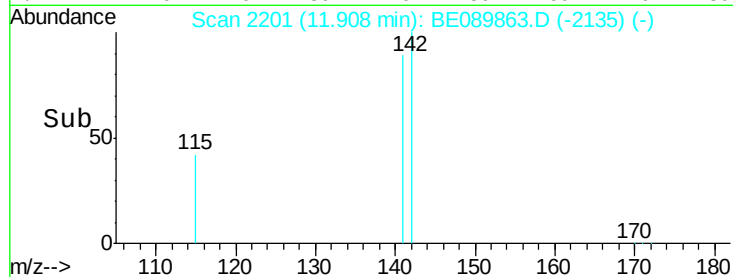
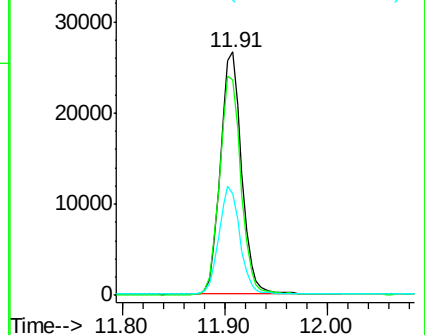
115 41.9 32.9 49.3



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: BE089863.D

Acq: 26 Mar 2015 18:48

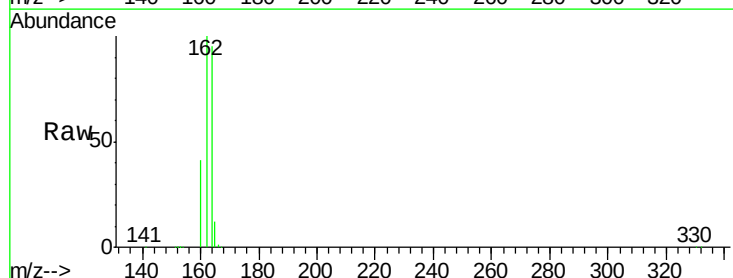
Tgt Ion:164 Resp: 213086

Ion Ratio Lower Upper

164 100

162 105.6 87.6 131.4

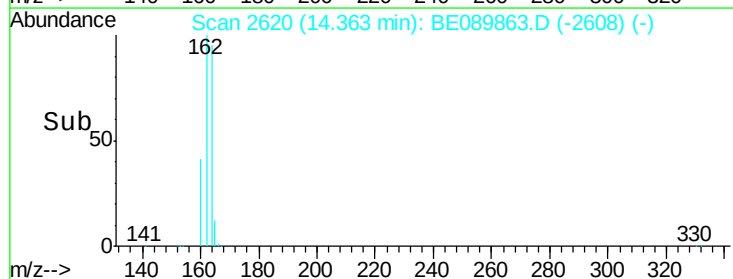
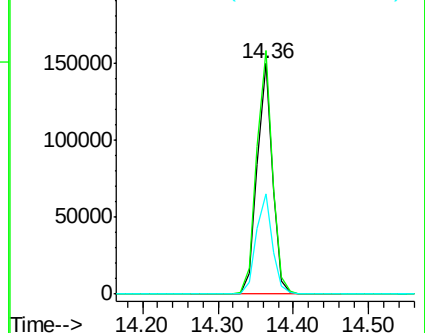
160 43.4 36.7 55.1

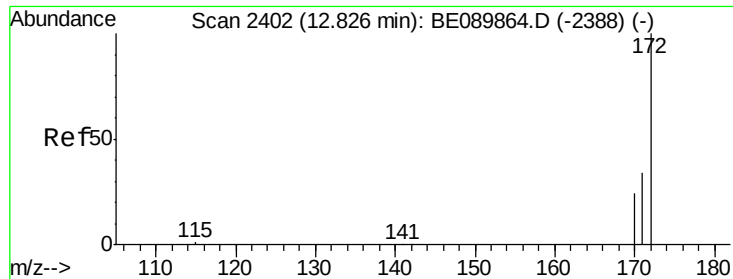


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

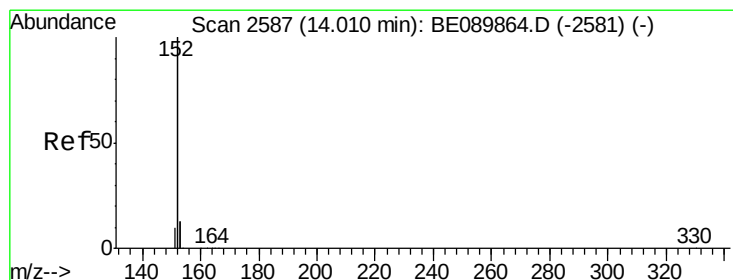
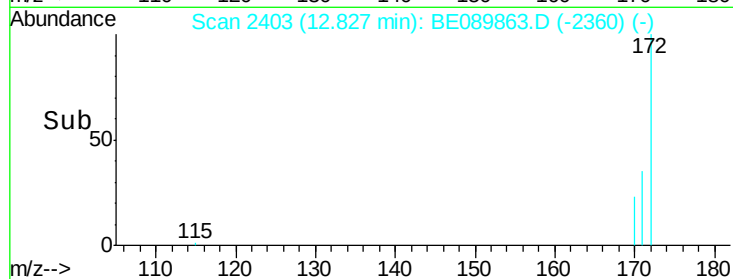
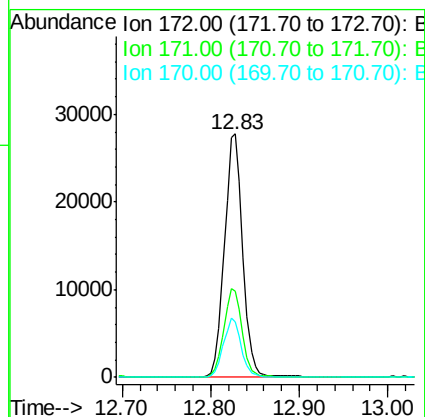
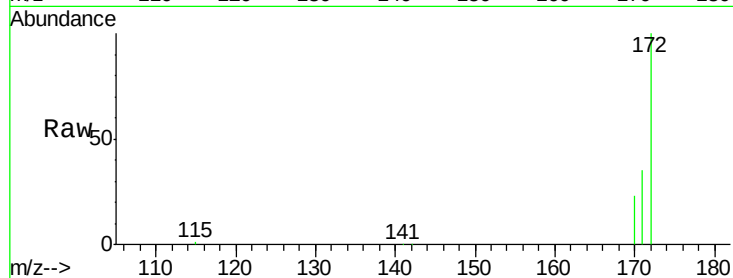




#9
2-Fluorobiphenyl
Concen: 0.78 ng
RT: 12.83 min Scan# 2403
Delta R.T. 0.00 min
Lab File: BE089863.D
Acq: 26 Mar 2015 18:48

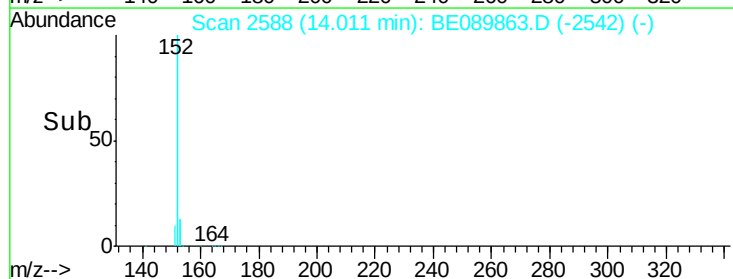
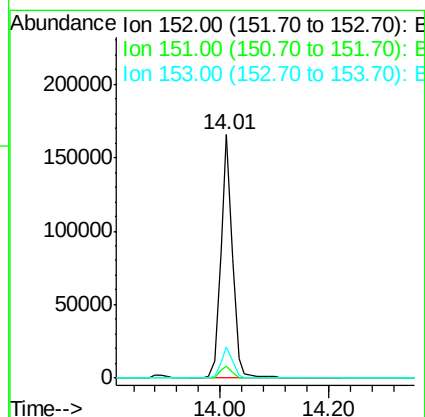
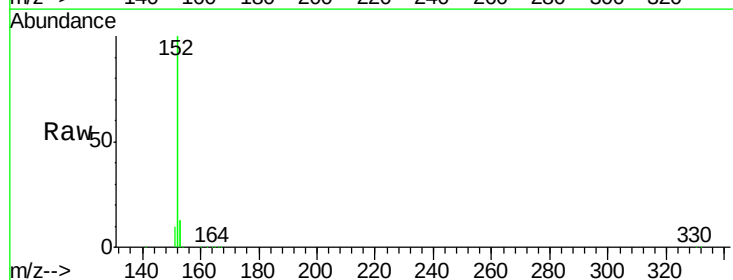
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

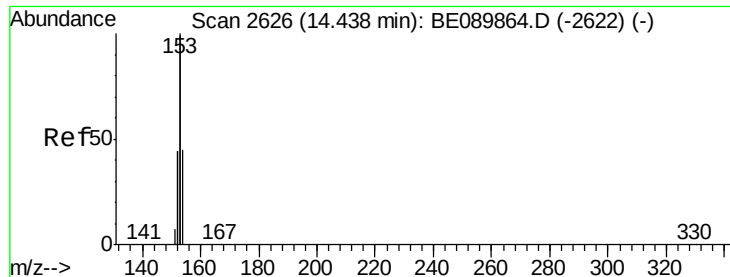
Tgt Ion:172 Resp: 39335
Ion Ratio Lower Upper
172 100
171 35.2 30.8 46.2
170 22.7 21.0 31.4



#10
Acenaphthylene
Concen: 0.78 ng
RT: 14.01 min Scan# 2588
Delta R.T. 0.00 min
Lab File: BE089863.D
Acq: 26 Mar 2015 18:48

Tgt Ion:152 Resp: 240759
Ion Ratio Lower Upper
152 100
151 5.1 3.9 5.9
153 12.8 11.0 16.4





#11

Acenaphthene

Concen: 0.75 ng

RT: 14.44 min Scan# 2627

Delta R.T. 0.00 min

Lab File: BE089863.D

Acq: 26 Mar 2015 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.8

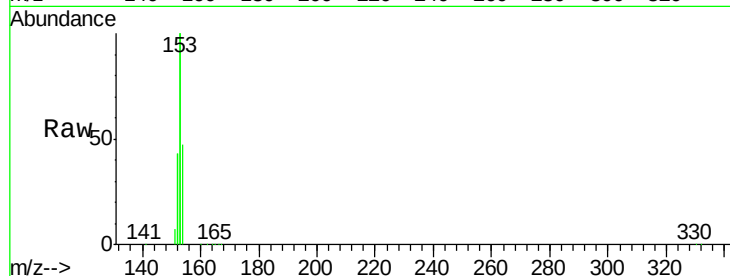
Tgt Ion:154 Resp: 35509

Ion Ratio Lower Upper

154 100

153 466.9 401.5 602.3

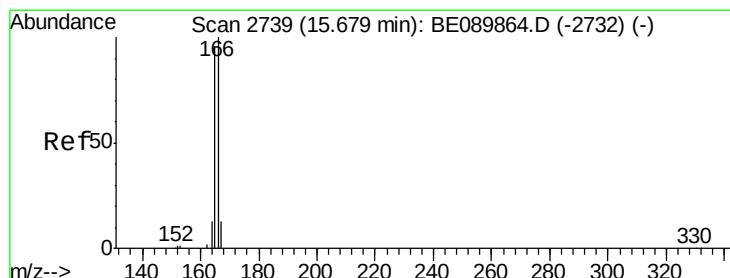
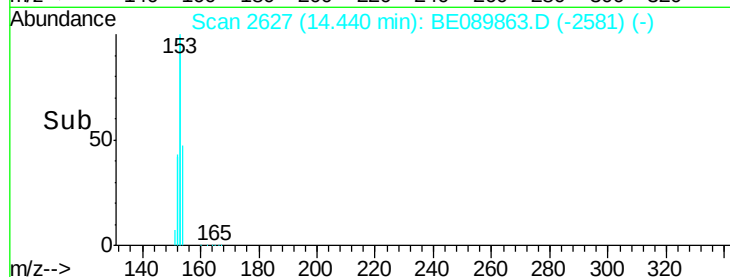
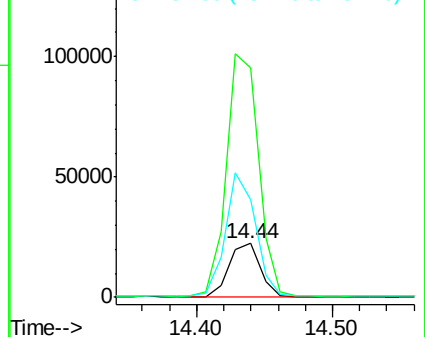
152 223.3 198.6 298.0



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: 0.80 ng

RT: 15.68 min Scan# 2740

Delta R.T. 0.00 min

Lab File: BE089863.D

Acq: 26 Mar 2015 18:48

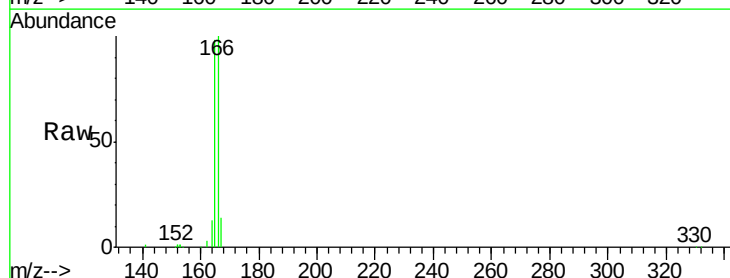
Tgt Ion:166 Resp: 46105

Ion Ratio Lower Upper

166 100

165 97.4 85.1 127.7

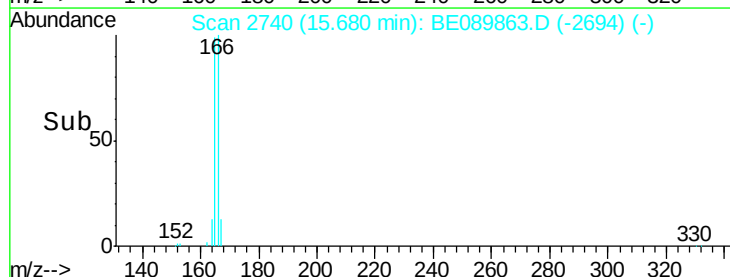
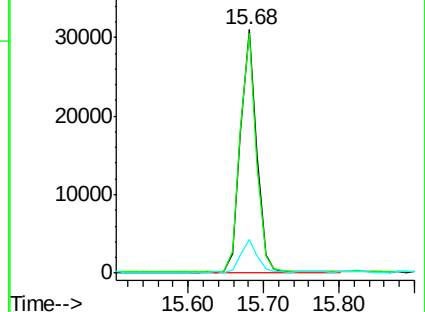
167 13.3 12.2 18.4

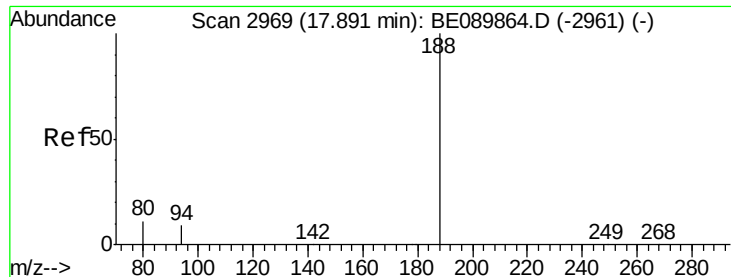


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

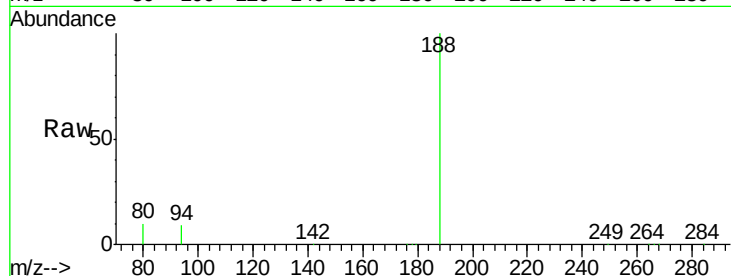




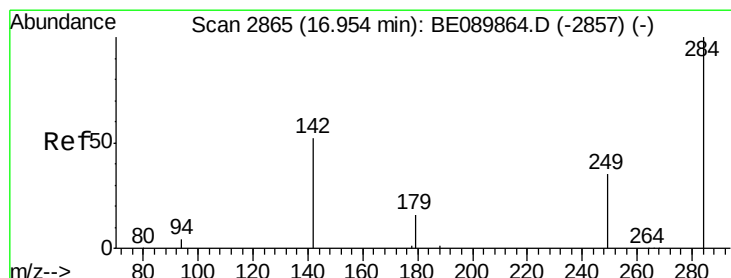
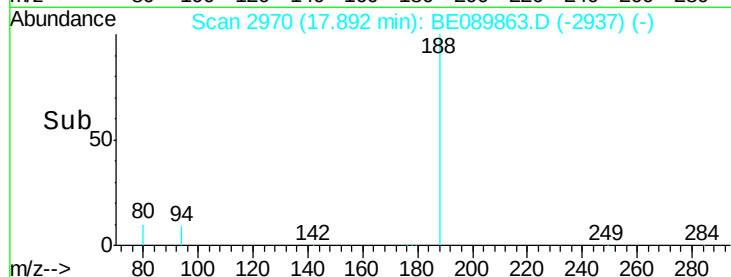
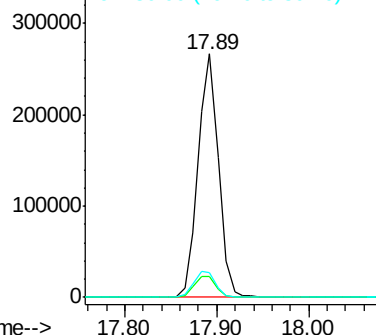
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.89 min Scan# 2970
Delta R.T. 0.00 min
Lab File: BE089863.D
Acq: 26 Mar 2015 18:48

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tgt Ion:188 Resp: 409394
Ion Ratio Lower Upper
188 100
94 8.6 8.5 12.7
80 9.9 10.0 15.0#

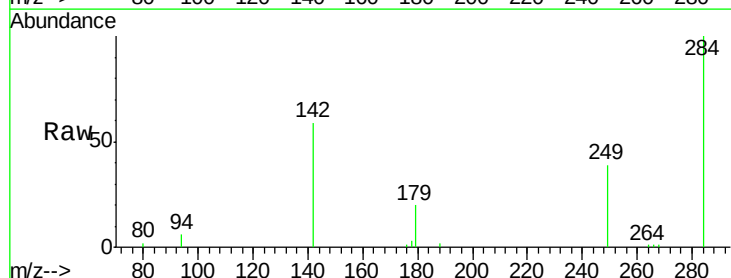


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

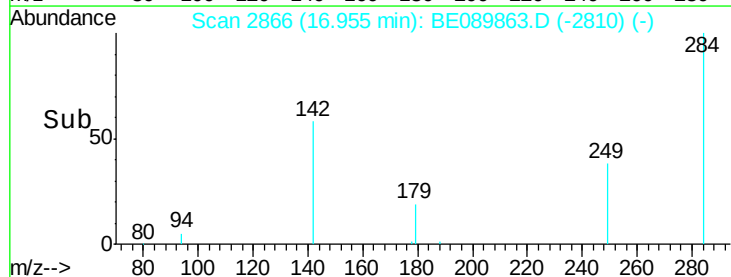
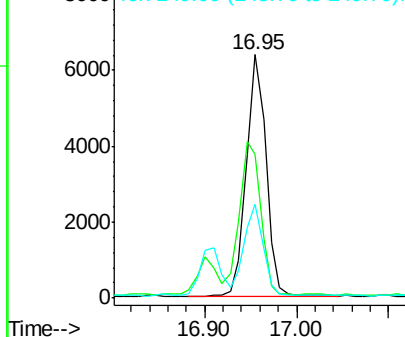


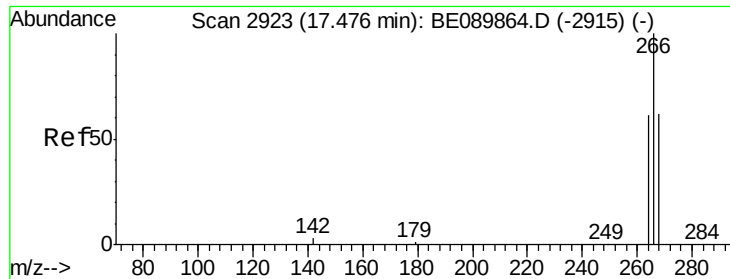
#14
Hexachlorobenzene
Concen: 0.70 ng
RT: 16.95 min Scan# 2866
Delta R.T. 0.00 min
Lab File: BE089863.D
Acq: 26 Mar 2015 18:48

Tgt Ion:284 Resp: 9537
Ion Ratio Lower Upper
284 100
142 67.7 53.3 79.9
249 37.1 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

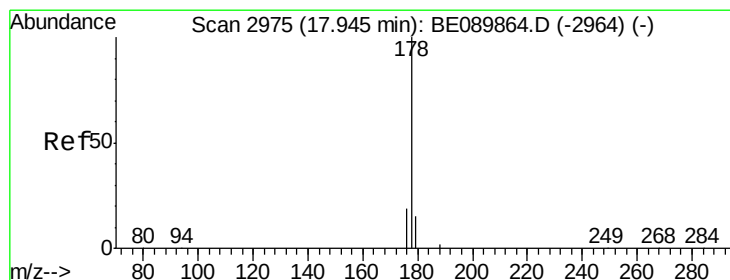
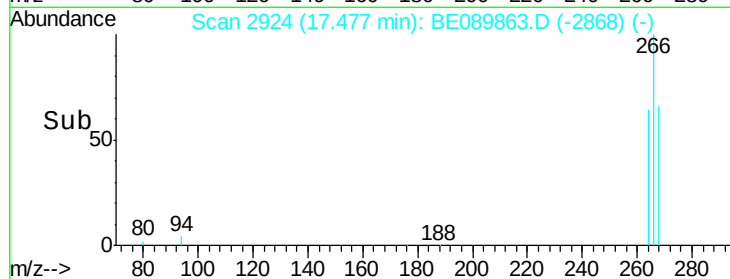
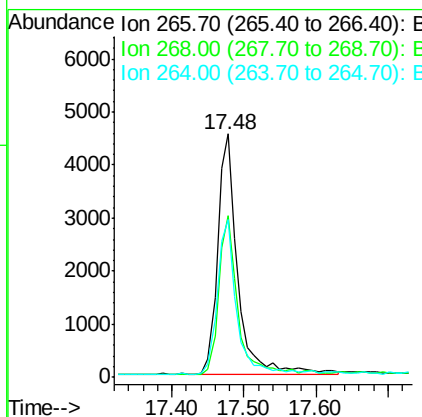
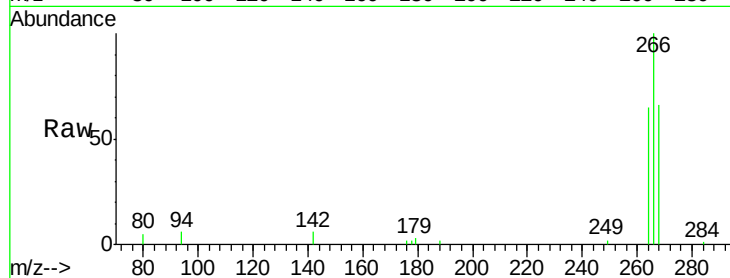




#15
 Pentachlorophenol
 Concen: 1.76 ng
 RT: 17.48 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: BE089863.D
 Acq: 26 Mar 2015 18:48

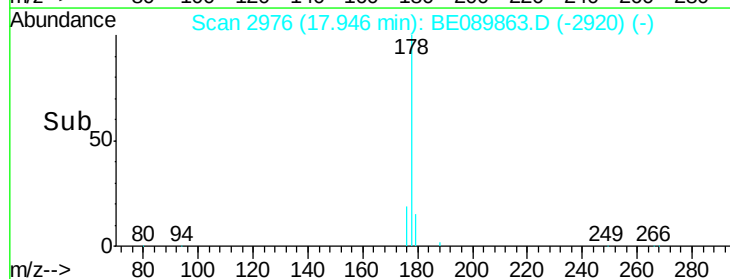
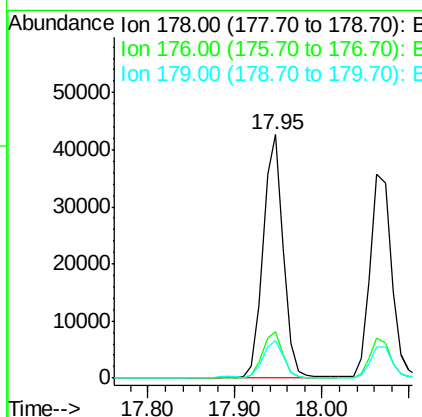
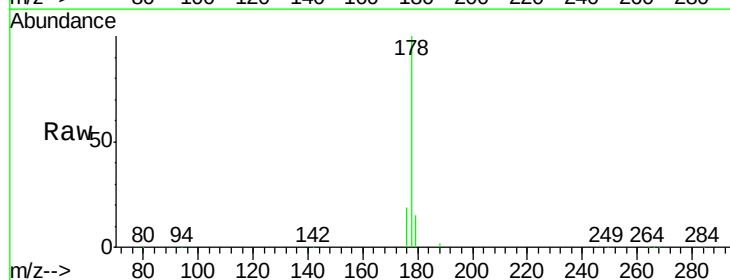
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

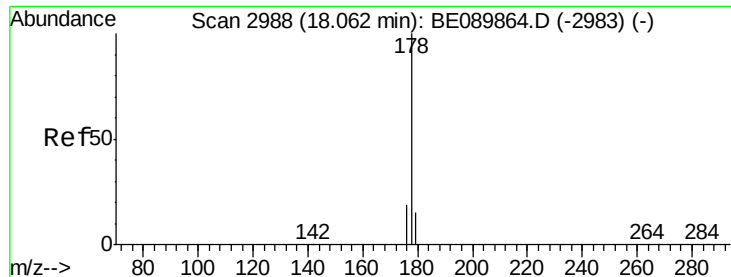
Tgt Ion: 266 Resp: 8769
 Ion Ratio Lower Upper
 266 100
 268 66.2 51.6 77.4
 264 64.8 50.2 75.2



#16
 Phenanthrene
 Concen: 0.74 ng
 RT: 17.95 min Scan# 2976
 Delta R.T. 0.00 min
 Lab File: BE089863.D
 Acq: 26 Mar 2015 18:48

Tgt Ion: 178 Resp: 67009
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.0
 179 15.4 12.2 18.4





#17

Anthracene

Concen: 0.74 ng

RT: 18.06 min Scan# 2989

Delta R.T. 0.00 min

Lab File: BE089863.D

Acq: 26 Mar 2015 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

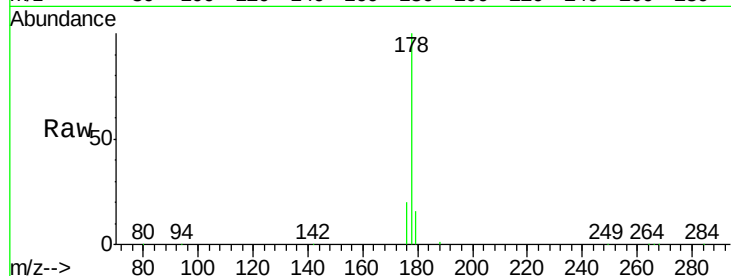
Tgt Ion:178 Resp: 60490

Ion Ratio Lower Upper

178 100

176 18.3 14.6 21.8

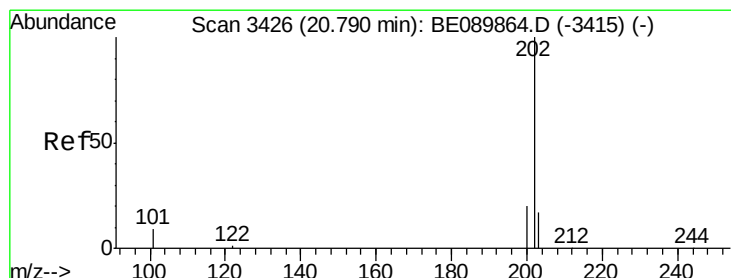
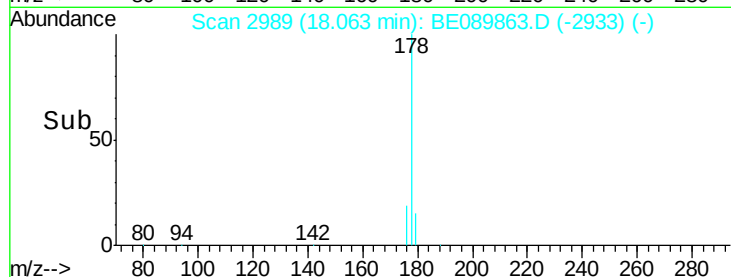
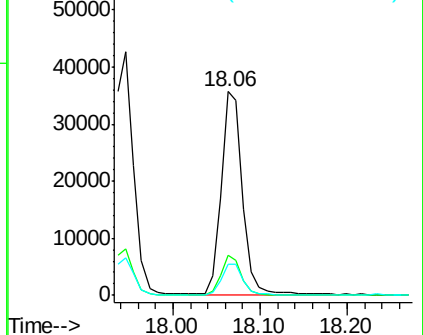
179 15.4 12.1 18.1



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: 0.92 ng

RT: 20.79 min Scan# 3427

Delta R.T. -0.00 min

Lab File: BE089863.D

Acq: 26 Mar 2015 18:48

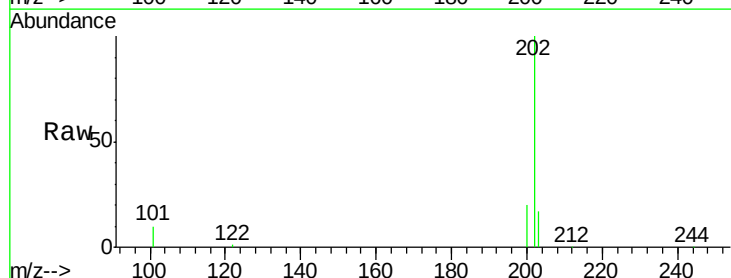
Tgt Ion:202 Resp: 76644

Ion Ratio Lower Upper

202 100

101 9.7 8.2 12.2

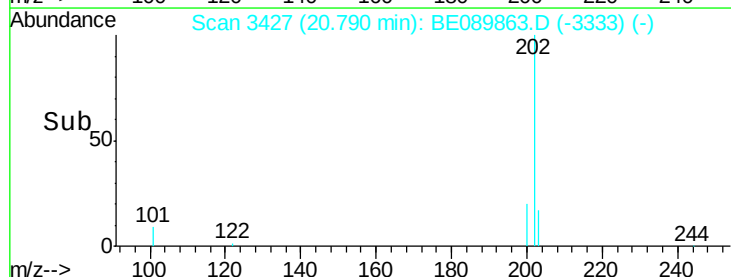
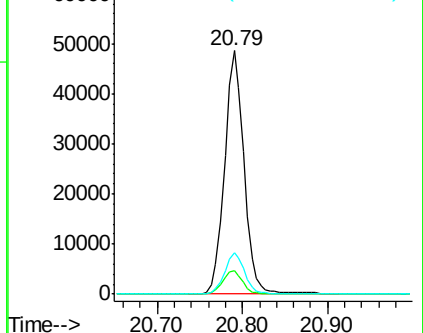
203 17.0 14.2 21.4

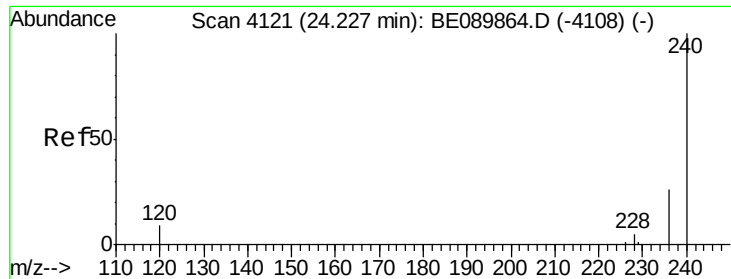


Abundance Ion 202.00 (201.70 to 202.70): E

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: 24.23 min Scan# 4122

Delta R.T. 0.00 min

Lab File: BE089863.D

Acq: 26 Mar 2015 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

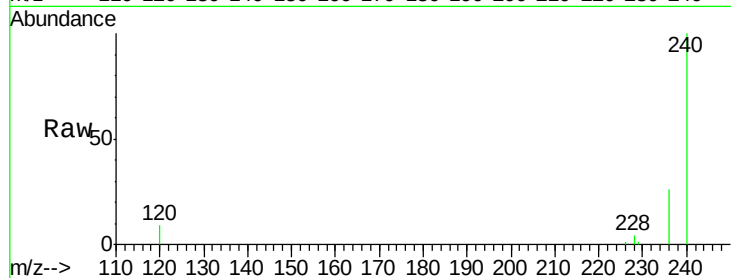
Tgt Ion:240 Resp: 409129

Ion Ratio Lower Upper

240 100

120 8.7 7.5 11.3

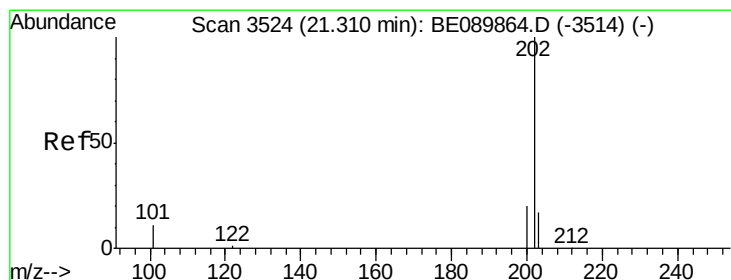
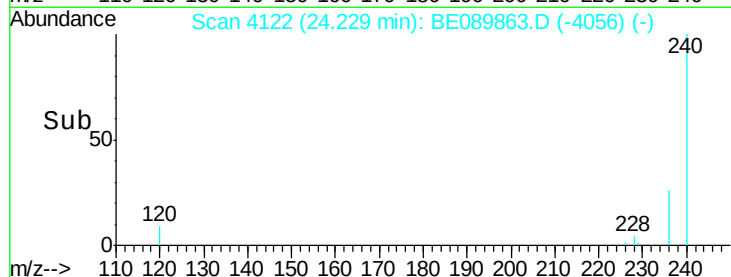
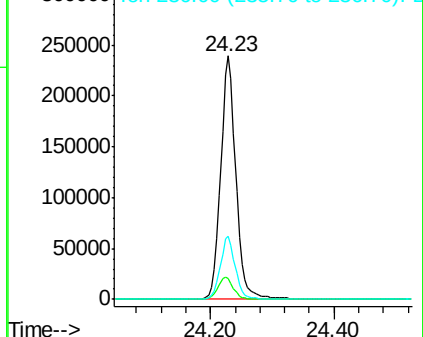
236 25.9 20.5 30.7



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: 0.70 ng

RT: 21.31 min Scan# 3525

Delta R.T. -0.00 min

Lab File: BE089863.D

Acq: 26 Mar 2015 18:48

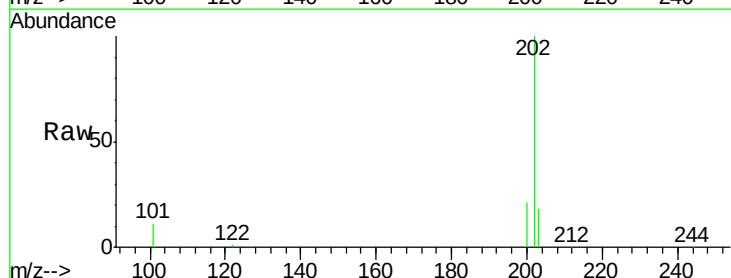
Tgt Ion:202 Resp: 72243

Ion Ratio Lower Upper

202 100

200 20.6 15.9 23.9

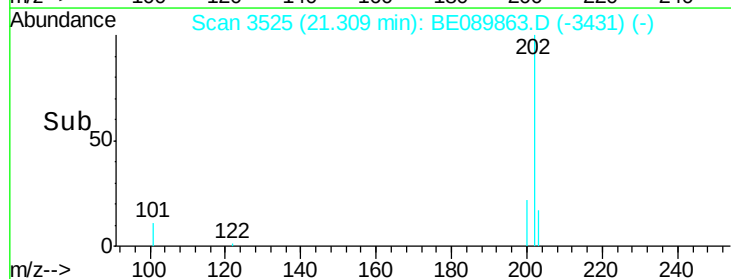
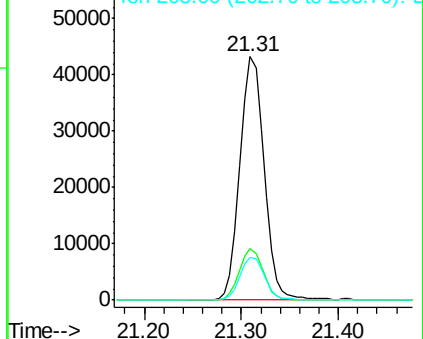
203 17.6 13.6 20.4

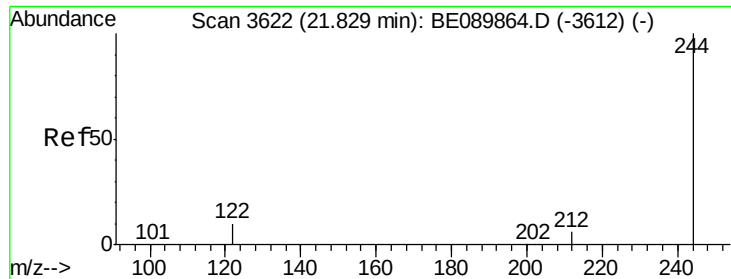


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

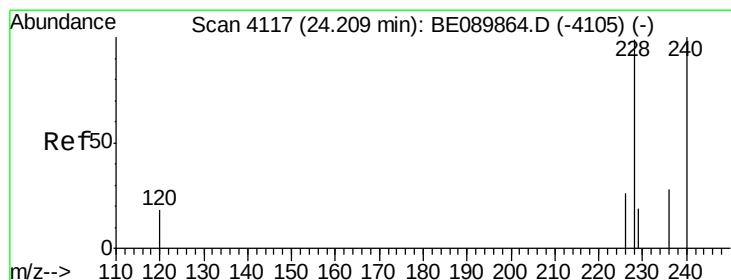
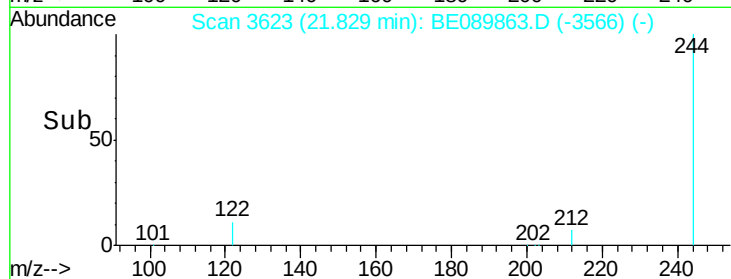
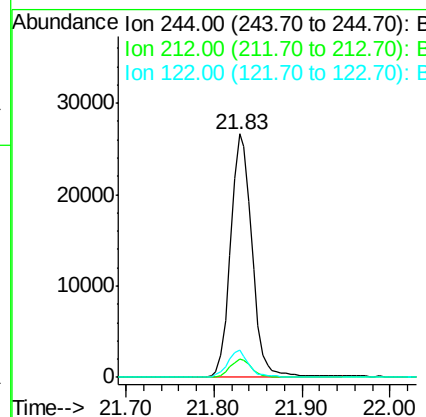
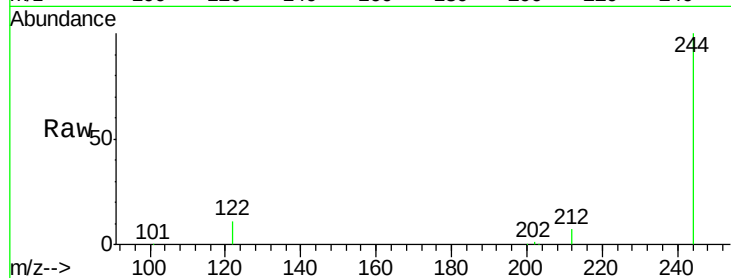




#21
 Terphenyl-d14
 Concen: 0.74 ng
 RT: 21.83 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: BE089863.D
 Acq: 26 Mar 2015 18:48

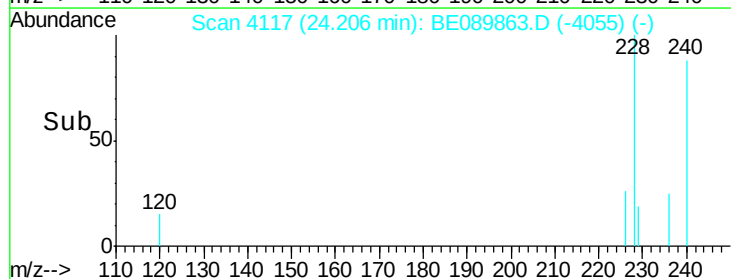
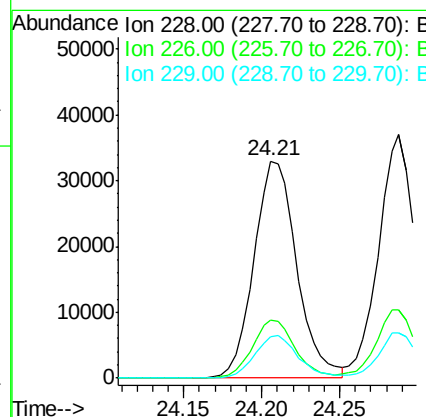
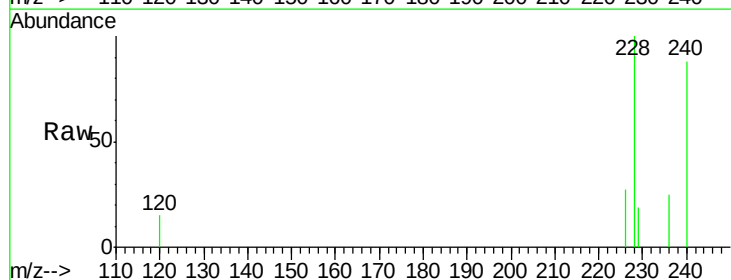
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

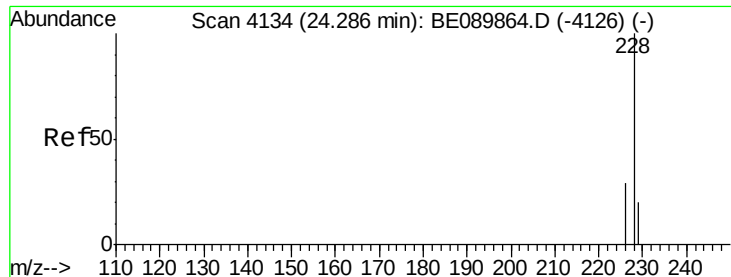
Tgt Ion: 244 Resp: 44632
 Ion Ratio Lower Upper
 244 100
 212 7.3 7.3 10.9
 122 11.1 10.5 15.7



#22
 Benzo(a)anthracene
 Concen: 0.81 ng
 RT: 24.21 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: BE089863.D
 Acq: 26 Mar 2015 18:48

Tgt Ion: 228 Resp: 62910
 Ion Ratio Lower Upper
 228 100
 226 26.5 19.8 29.8
 229 18.9 16.3 24.5





#23

Chrysene

Concen: 0.78 ng

RT: 24.29 min Scan# 4135

Delta R.T. 0.00 min

Lab File: BE089863.D

Acq: 26 Mar 2015 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

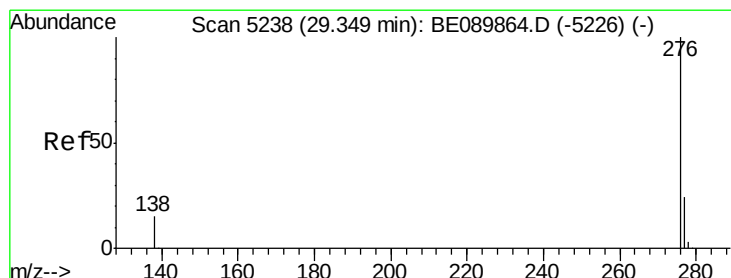
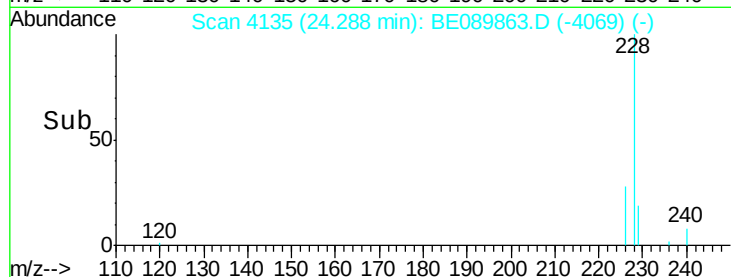
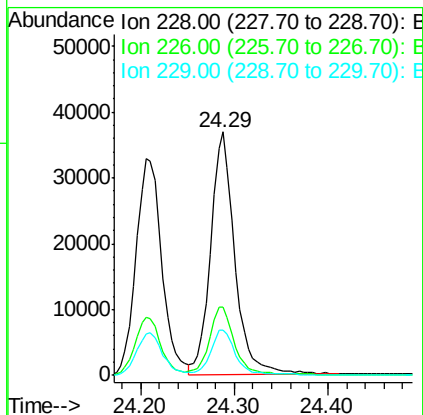
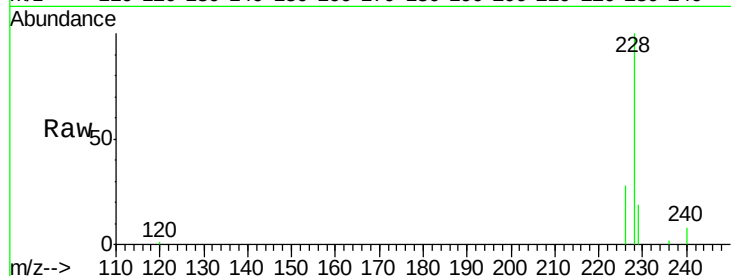
Tgt Ion: 228 Resp: 65620

Ion Ratio Lower Upper

228 100

226 27.9 23.0 34.4

229 18.7 15.8 23.6



#24

Indeno(1,2,3-cd)pyrene

Concen: 1.05 ng m

RT: 29.35 min Scan# 5239

Delta R.T. -0.00 min

Lab File: BE089863.D

Acq: 26 Mar 2015 18:48

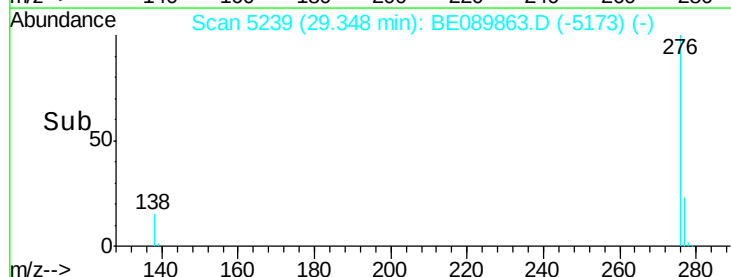
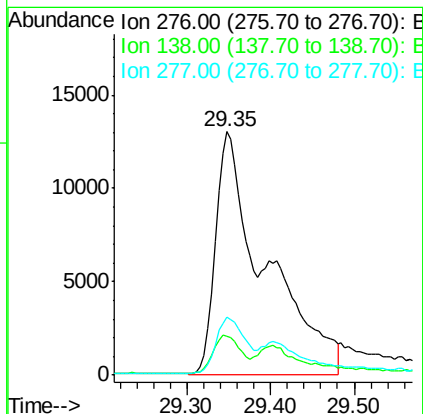
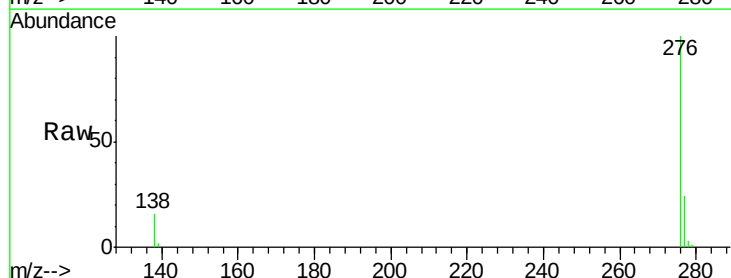
Tgt Ion: 276 Resp: 53493

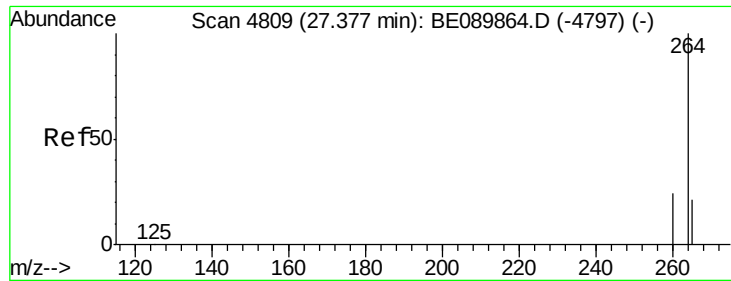
Ion Ratio Lower Upper

276 100

138 8.8 4.3 6.5#

277 14.1 9.0 13.4#

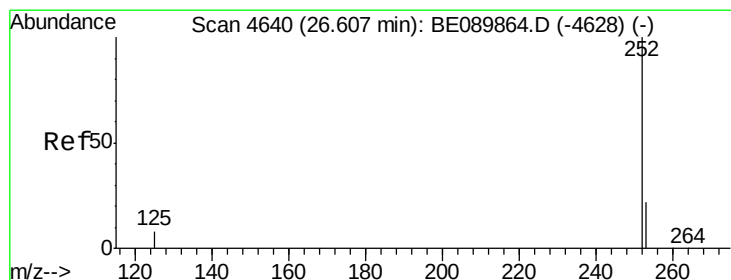
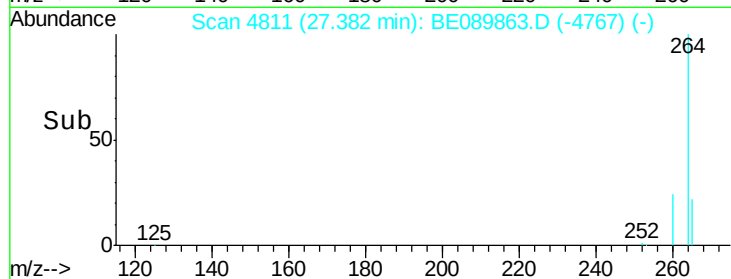
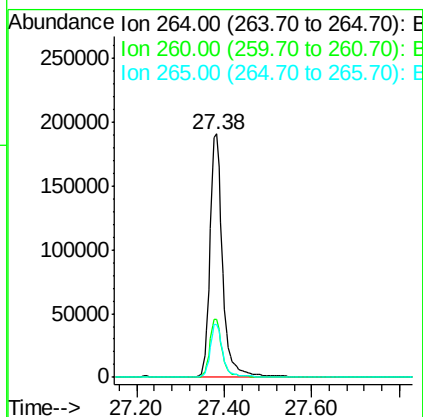
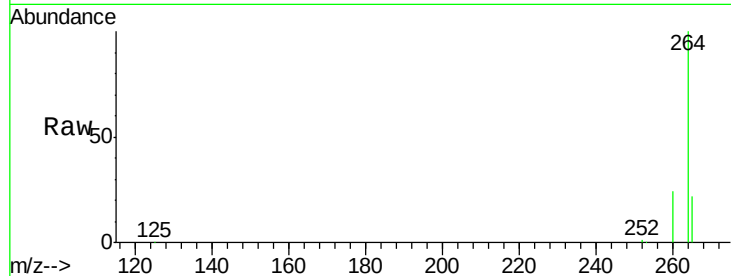




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 27.38 min Scan# 4811
 Delta R.T. 0.01 min
 Lab File: BE089863.D
 Acq: 26 Mar 2015 18:48

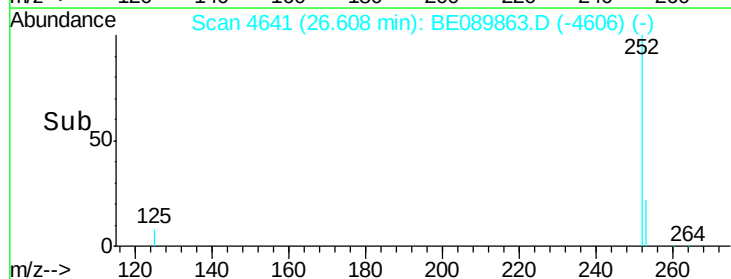
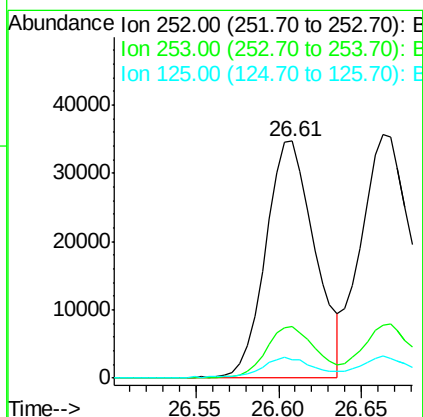
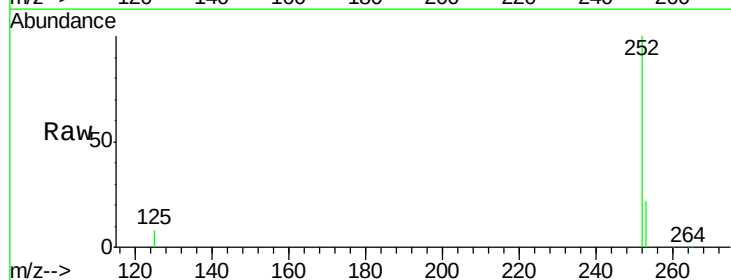
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

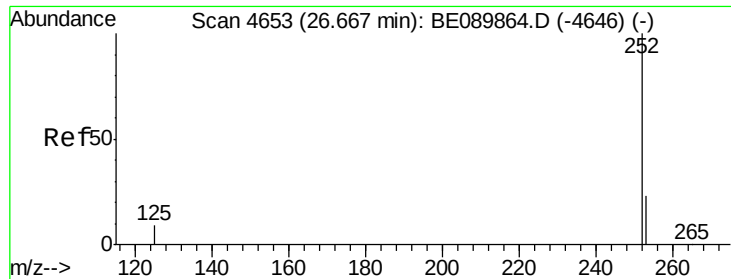
Tgt Ion: 264 Resp: 378130
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.2 27.2
 265 21.9 17.3 25.9



#26
 Benzo(b)fluoranthene
 Concen: 1.18 ng m
 RT: 26.61 min Scan# 4641
 Delta R.T. 0.00 min
 Lab File: BE089863.D
 Acq: 26 Mar 2015 18:48

Tgt Ion: 252 Resp: 72021
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.8 26.6
 125 8.0 8.7 13.1#





#27

Benzo(k)fluoranthene

Concen: 1.16 ng

RT: 26.66 min Scan# 4653

Delta R.T. -0.00 min

Lab File: BE089863.D

Acq: 26 Mar 2015 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

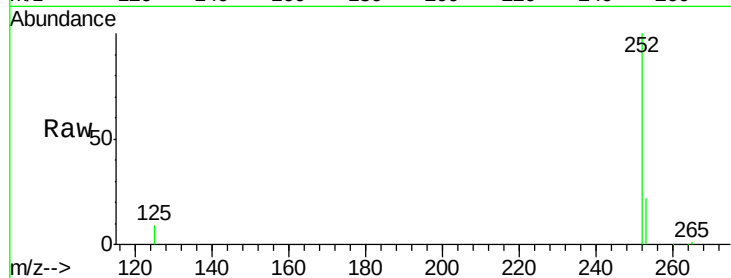
Tgt Ion:252 Resp: 95069

Ion Ratio Lower Upper

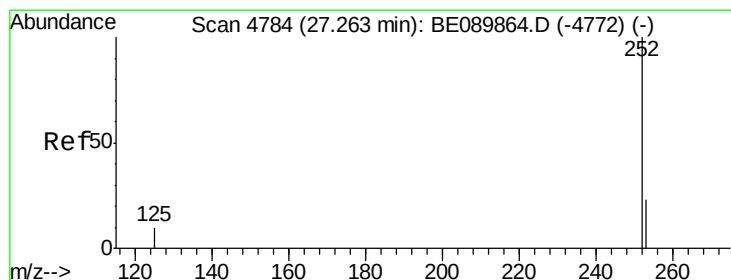
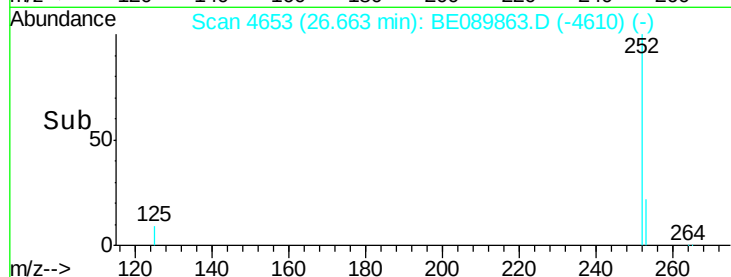
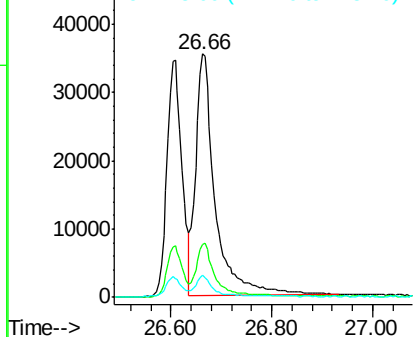
252 100

253 21.8 18.6 28.0

125 8.9 10.8 16.2#



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



#28

Benzo(a)pyrene

Concen: 1.19 ng m

RT: 27.26 min Scan# 4785

Delta R.T. 0.00 min

Lab File: BE089863.D

Acq: 26 Mar 2015 18:48

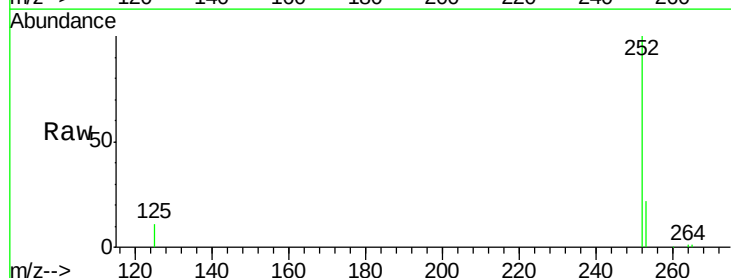
Tgt Ion:252 Resp: 68018

Ion Ratio Lower Upper

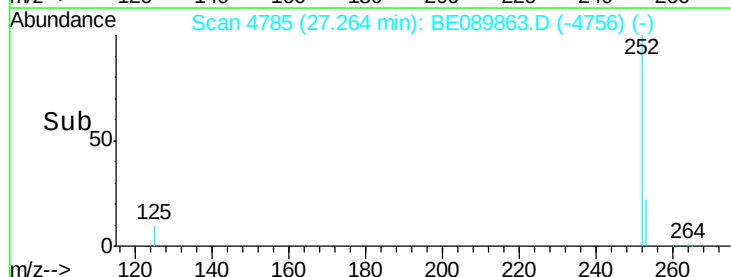
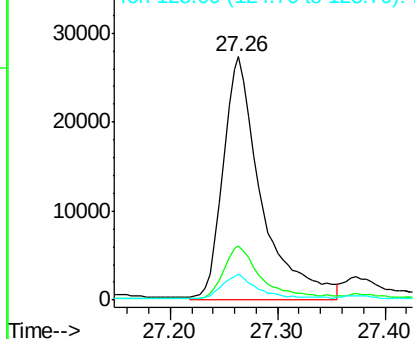
252 100

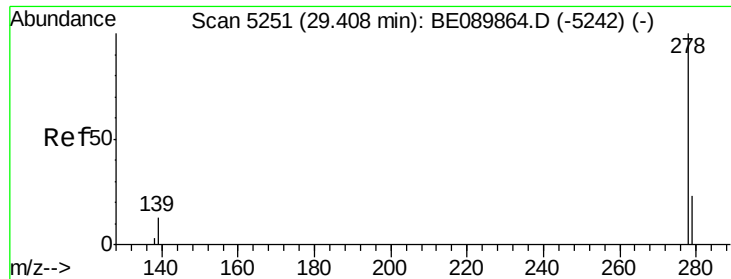
253 22.4 21.0 31.4

125 10.7 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: 0.95 ng

RT: 29.41 min Scan# 5253

Delta R.T. 0.00 min

Lab File: BE089863.D

Acq: 26 Mar 2015 18:48

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

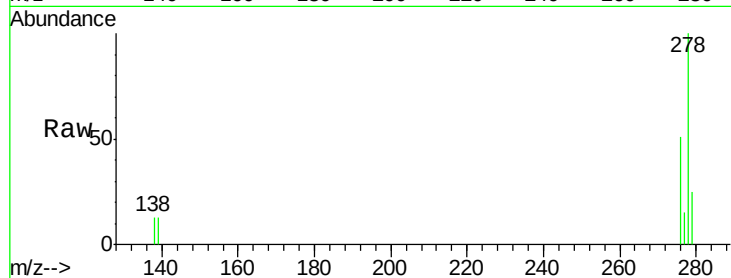
Tgt Ion:278 Resp: 39089

Ion Ratio Lower Upper

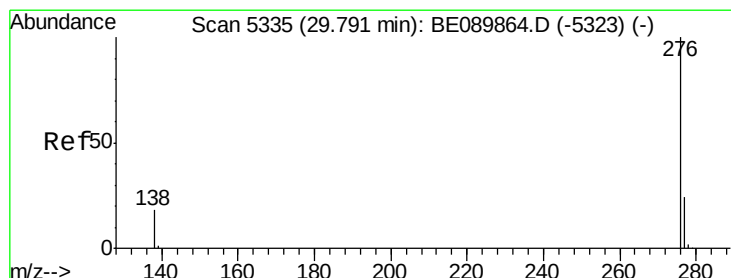
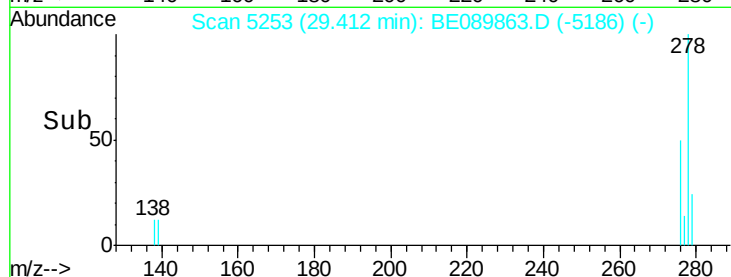
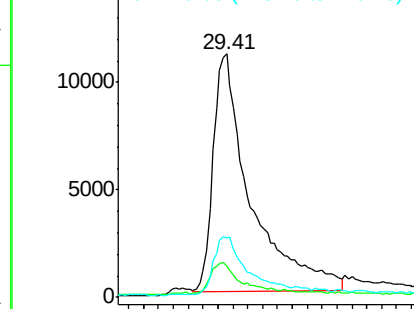
278 100

139 13.0 20.0 30.0#

279 24.5 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: 0.87 ng

RT: 29.79 min Scan# 5336

Delta R.T. -0.00 min

Lab File: BE089863.D

Acq: 26 Mar 2015 18:48

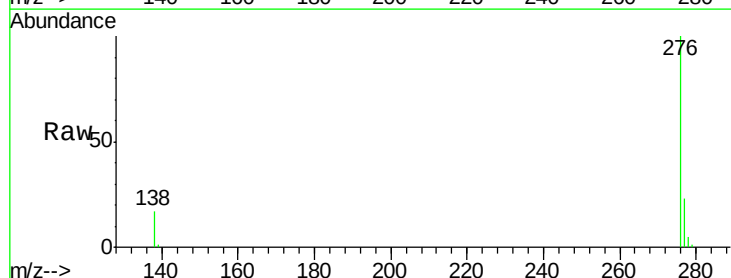
Tgt Ion:276 Resp: 50758

Ion Ratio Lower Upper

276 100

277 23.5 19.2 28.8

138 17.4 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

