

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032615\
 Data File : BE089865.D
 Acq On : 26 Mar 2015 20:11
 Operator : TP/JJ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

Quant Time: Mar 27 02:16:22 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

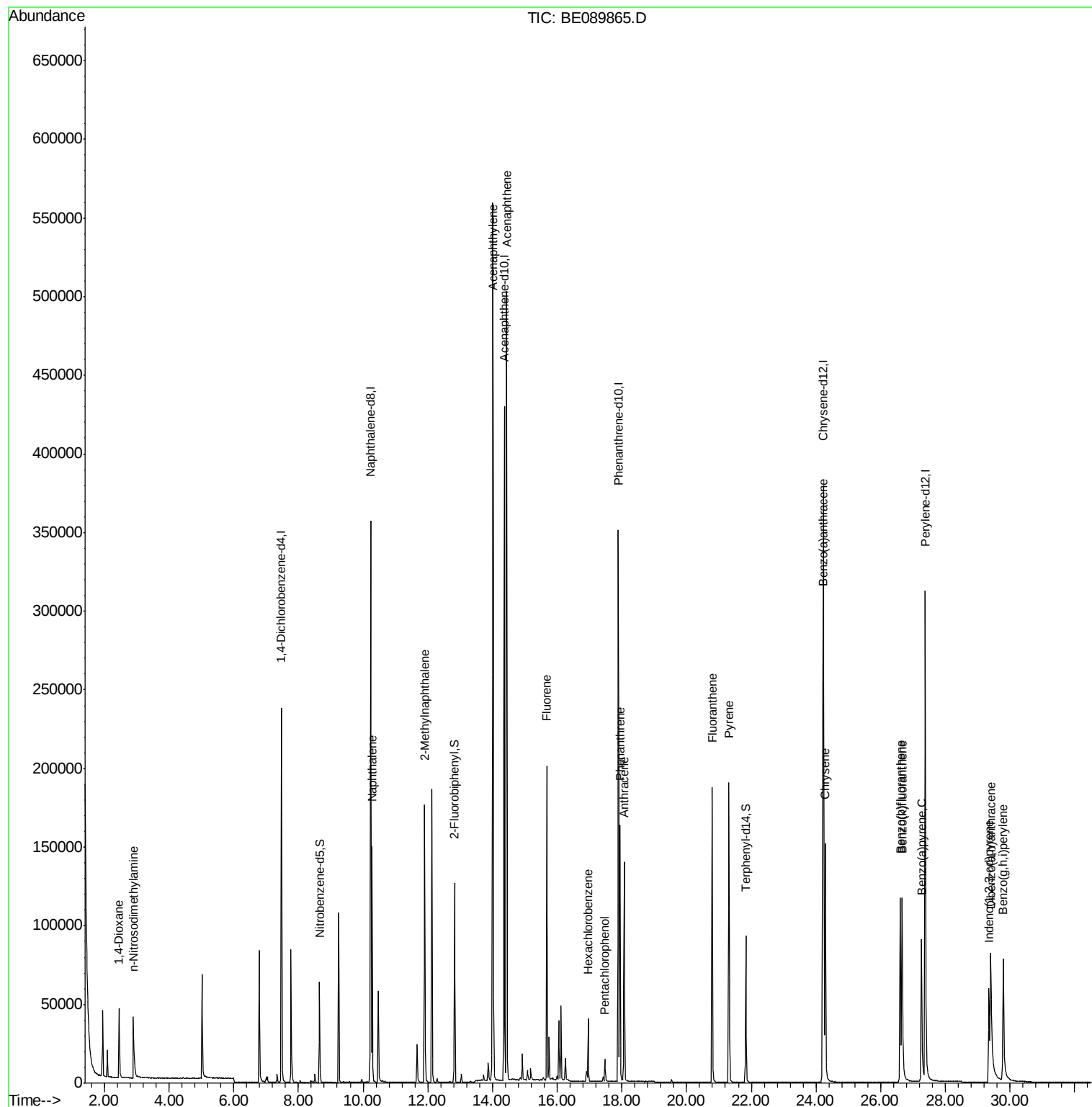
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	94298	5.00	ng	0.00
4) Naphthalene-d8	10.23	136	395338	5.00	ng	0.00
8) Acenaphthene-d10	14.36	164	233828	5.00	ng	0.00
13) Phenanthrene-d10	17.89	188	442036	5.00	ng	0.00
19) Chrysene-d12	24.23	240	452644	5.00	ng	0.00
25) Perylene-d12	27.38	264	411052	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.65	82	46969	2.05	ng	0.00
9) 2-Fluorobiphenyl	12.83	172	109408	1.98	ng	0.00
21) Terphenyl-d14	21.83	244	126465	1.88	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.46	88	24514	1.89	ng	93
3) n-Nitrosodimethylamine	2.90	42	30982	1.77	ng	# 81
6) Naphthalene	10.28	128	163154	2.06	ng	96
7) 2-Methylnaphthalene	11.91	142	108084	2.42	ng	98
10) Acenaphthylene	14.01	152	693940	2.05	ng	98
11) Acenaphthene	14.44	154	99335	1.92	ng	88
12) Fluorene	15.68	166	128345	2.02	ng	94
14) Hexachlorobenzene	16.95	284	26889	1.82	ng	98
15) Pentachlorophenol	17.48	266	11000	2.05	ng	98
16) Phenanthrene	17.95	178	188924	1.92	ng	100
17) Anthracene	18.07	178	175962	2.00	ng	99
18) Fluoranthene	20.79	202	192987	2.14	ng	99
20) Pyrene	21.31	202	205221	1.79	ng	98
22) Benzo(a)anthracene	24.20	228	173156	2.00	ng	96
23) Chrysene	24.29	228	180069	1.93	ng	99
24) Indeno(1,2,3-cd)pyrene	29.35	276	165199m	2.94	ng	
26) Benzo(b)fluoranthene	26.60	252	165630	2.50	ng	97
27) Benzo(k)fluoranthene	26.66	252	201259	2.26	ng	# 94
28) Benzo(a)pyrene	27.26	252	152354	2.45	ng	# 89
29) Dibenzo(a,h)anthracene	29.41	278	120427	2.69	ng	# 78
30) Benzo(g,h,i)perylene	29.79	276	144165	2.26	ng	# 88

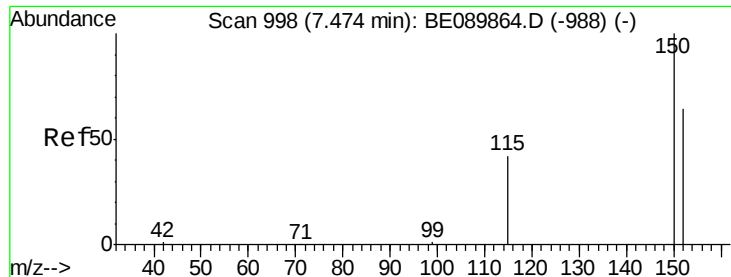
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.47 min Scan# 998

Delta R.T. 0.00 min

Lab File: BE089865.D

Acq: 26 Mar 2015 20:11

Instrument :

BNA_E

ClientSampleId :

SSTDICC002

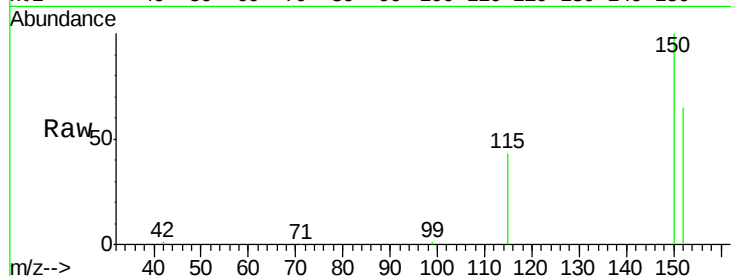
Tgt Ion:152 Resp: 94298

Ion Ratio Lower Upper

152 100

150 154.2 125.5 188.3

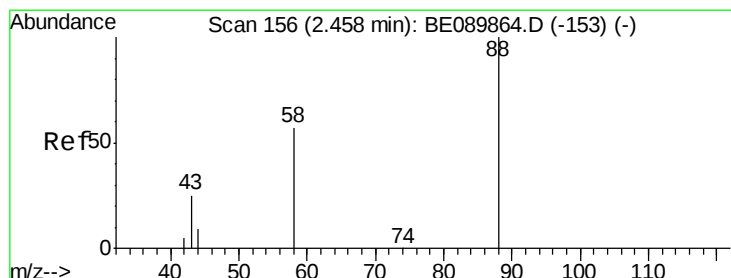
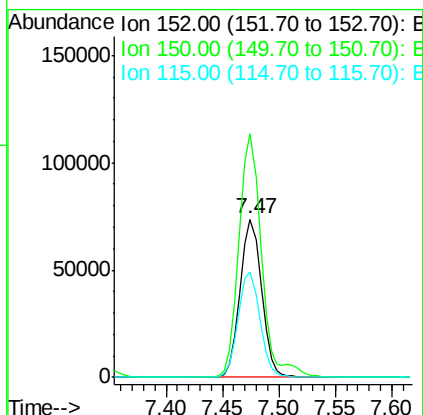
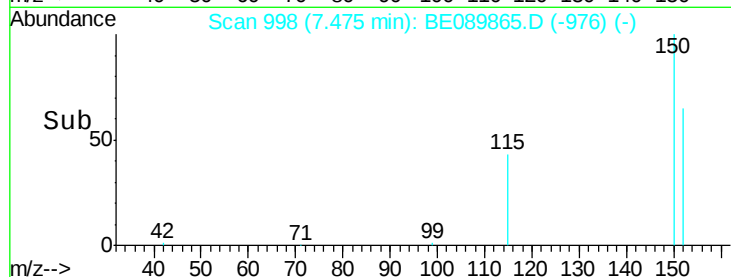
115 66.3 58.0 87.0



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: 1.89 ng

RT: 2.46 min Scan# 156

Delta R.T. -0.00 min

Lab File: BE089865.D

Acq: 26 Mar 2015 20:11

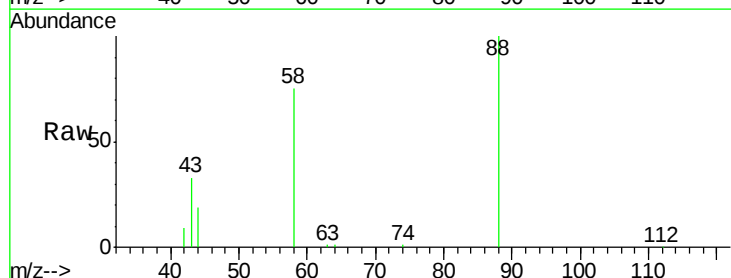
Tgt Ion: 88 Resp: 24514

Ion Ratio Lower Upper

88 100

58 64.1 48.6 72.8

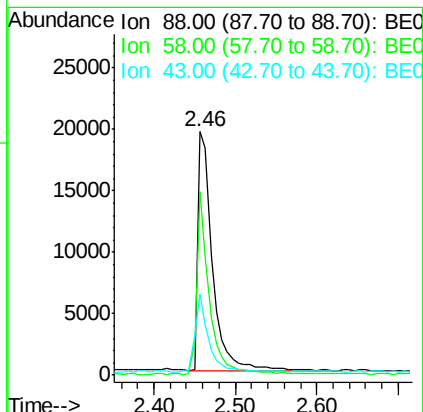
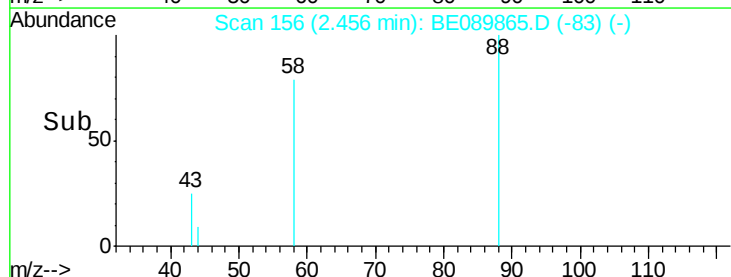
43 29.0 28.6 43.0

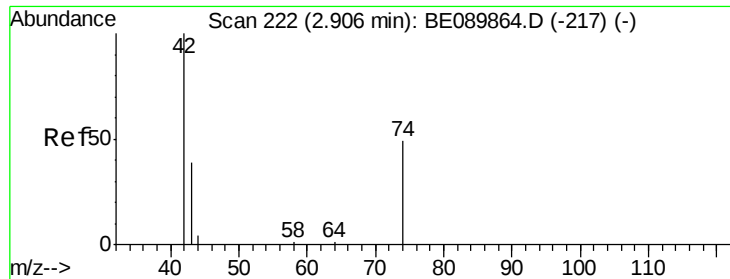


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



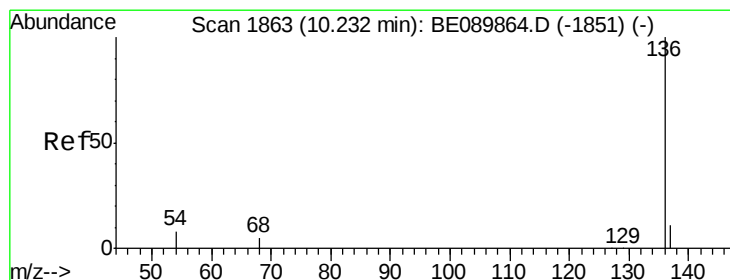
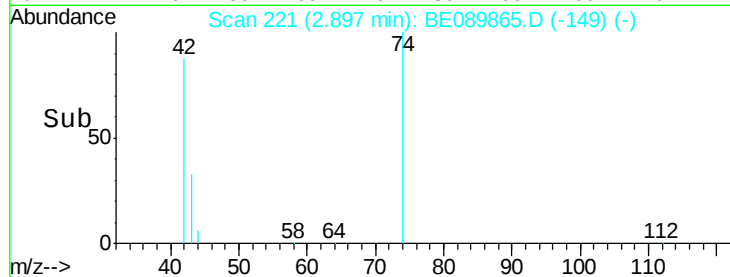
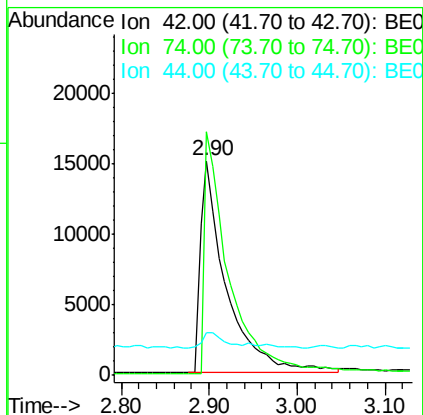
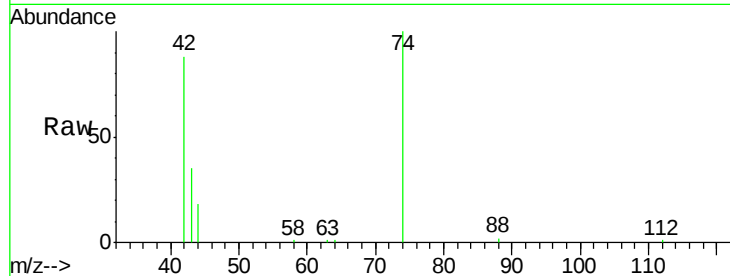


#3

n-Nitrosodimethylamine
 Concen: 1.77 ng
 RT: 2.90 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: BE089865.D
 Acq: 26 Mar 2015 20:11

Instrument :
 BNA_E
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 SSTDICC002

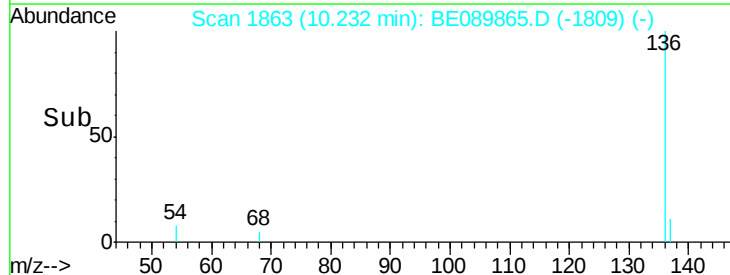
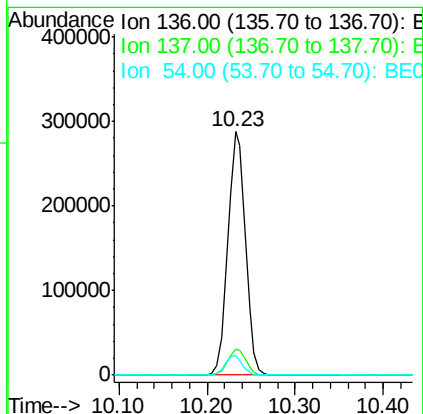
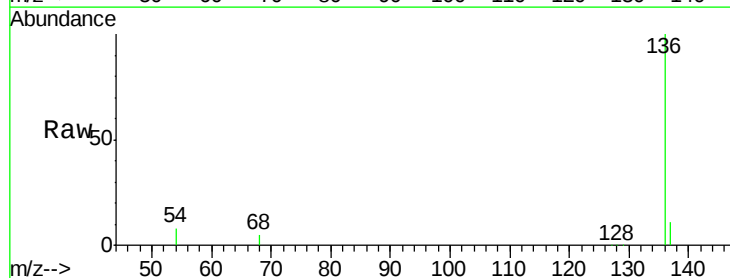
Tgt Ion: 42 Resp: 30982
 Ion Ratio Lower Upper
 42 100
 74 105.4 68.7 103.1#
 44 7.6 6.2 9.4

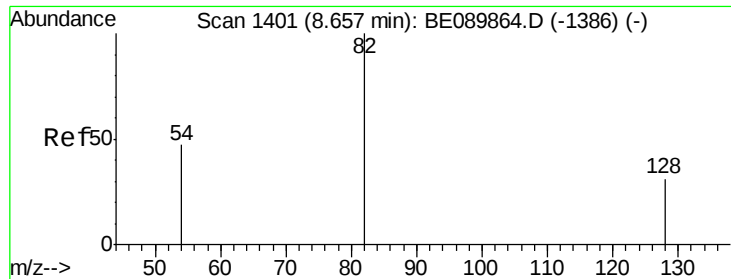


#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 10.23 min Scan# 1863
 Delta R.T. 0.00 min
 Lab File: BE089865.D
 Acq: 26 Mar 2015 20:11

Tgt Ion: 136 Resp: 395338
 Ion Ratio Lower Upper
 136 100
 137 10.9 8.8 13.2
 54 8.0 7.0 10.4





#5

Nitrobenzene-d5

Concen: 2.05 ng

RT: 8.65 min Scan# 1400

Delta R.T. -0.00 min

Lab File: BE089865.D

Acq: 26 Mar 2015 20:11

Instrument :

BNA_E

ClientSampleId :

SSTDICC002

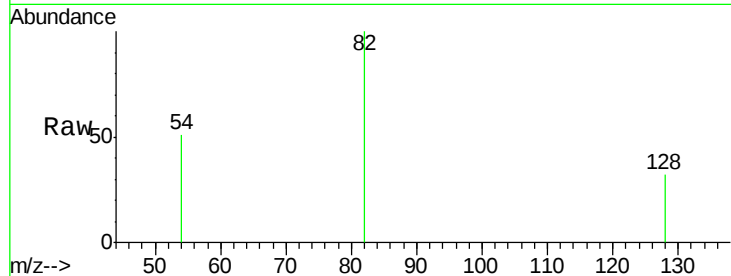
Tgt Ion: 82 Resp: 46969

Ion Ratio Lower Upper

82 100

128 31.5 24.6 37.0

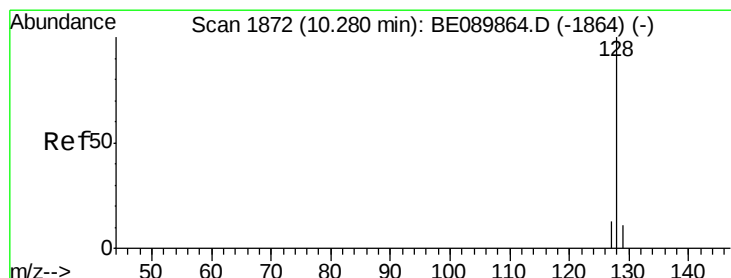
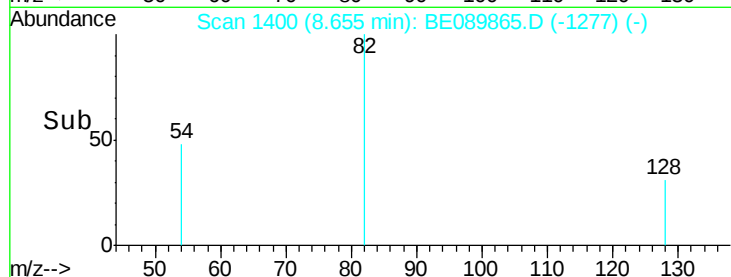
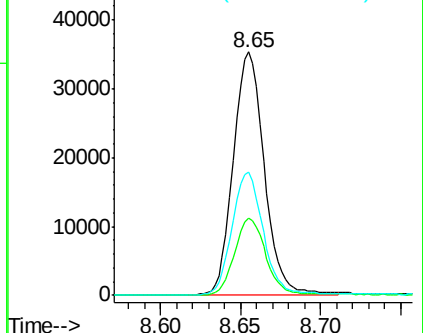
54 50.6 43.0 64.6



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: 2.06 ng

RT: 10.28 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BE089865.D

Acq: 26 Mar 2015 20:11

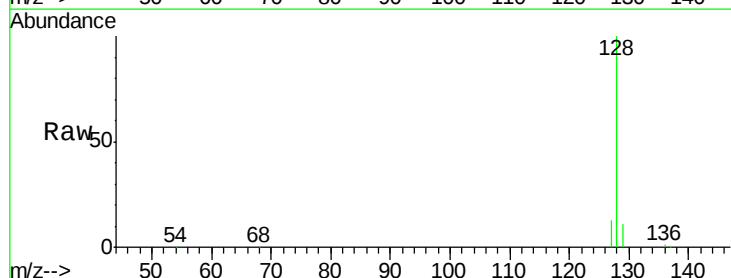
Tgt Ion: 128 Resp: 163154

Ion Ratio Lower Upper

128 100

129 11.3 10.0 15.0

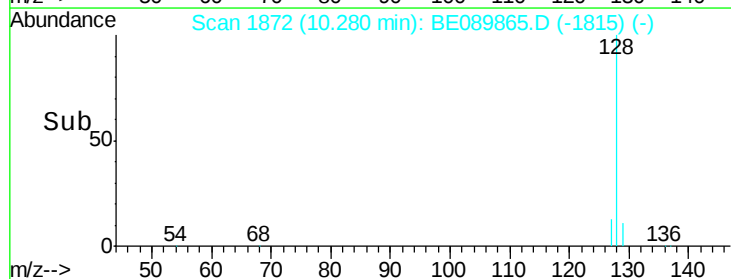
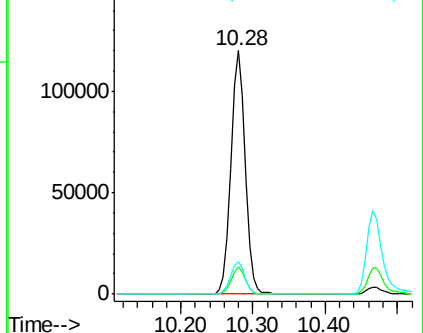
127 13.3 12.5 18.7

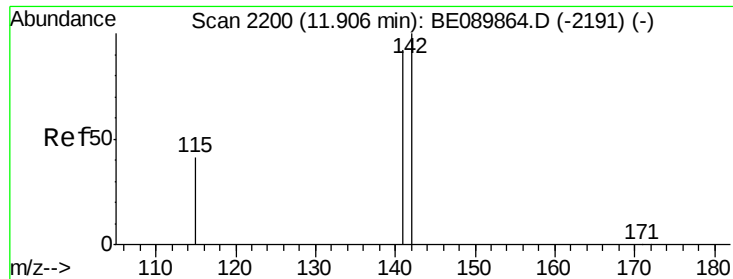


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 2.42 ng

RT: 11.91 min Scan# 2200

Delta R.T. 0.00 min

Lab File: BE089865.D

Acq: 26 Mar 2015 20:11

Instrument :

BNA_E

ClientSampleId :

SSTDICC002

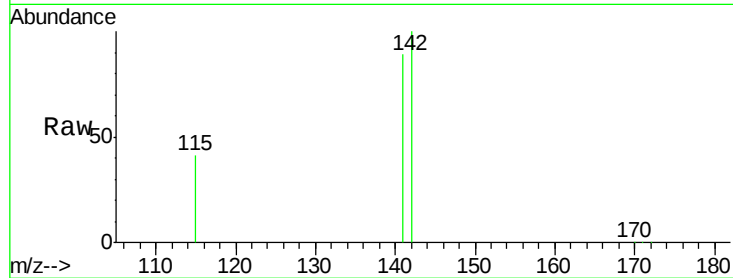
Tgt Ion:142 Resp: 108084

Ion Ratio Lower Upper

142 100

141 89.2 72.8 109.2

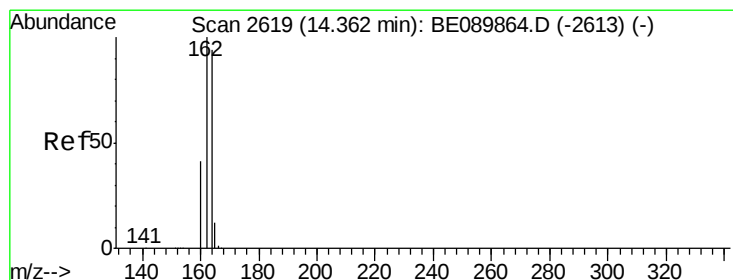
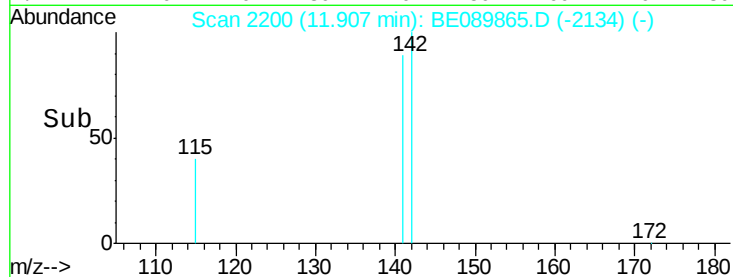
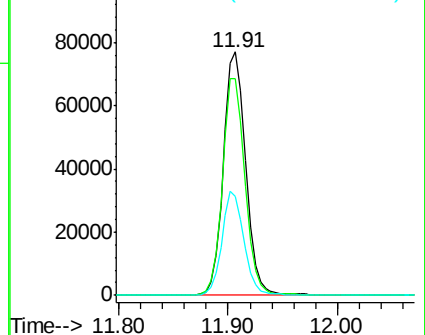
115 40.5 32.9 49.3



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: BE089865.D

Acq: 26 Mar 2015 20:11

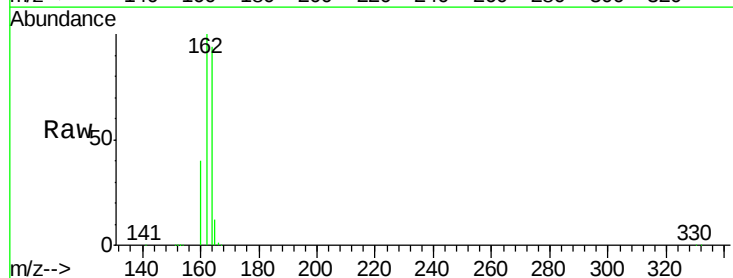
Tgt Ion:164 Resp: 233828

Ion Ratio Lower Upper

164 100

162 106.0 87.6 131.4

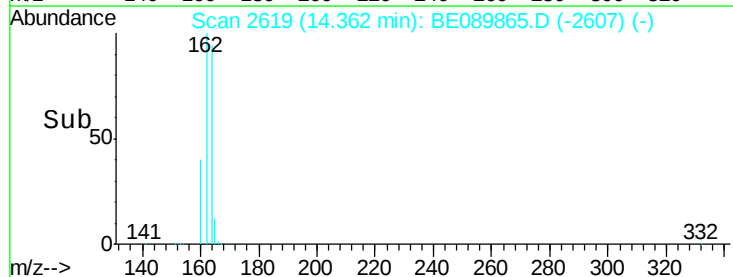
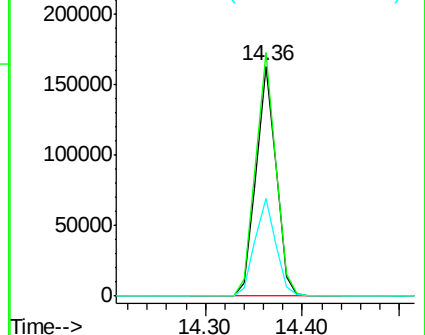
160 42.4 36.7 55.1

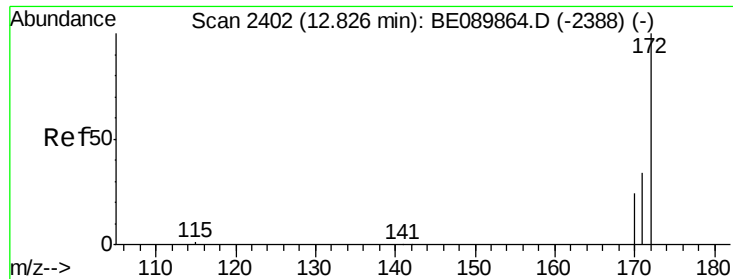


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

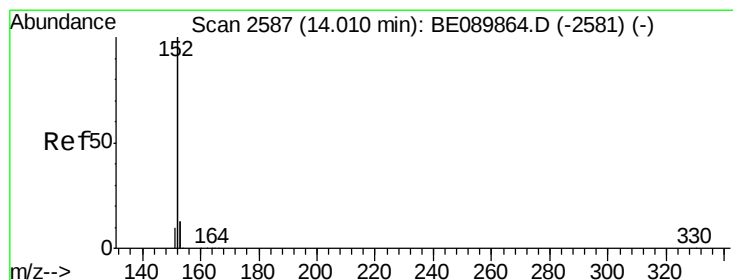
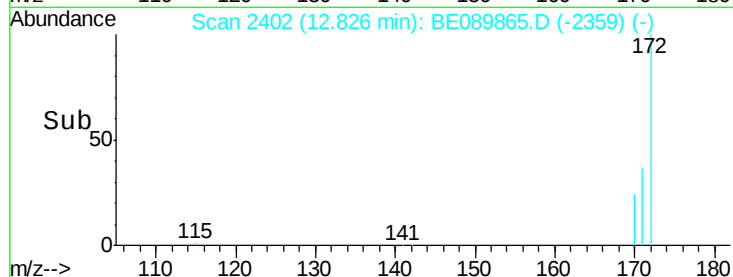
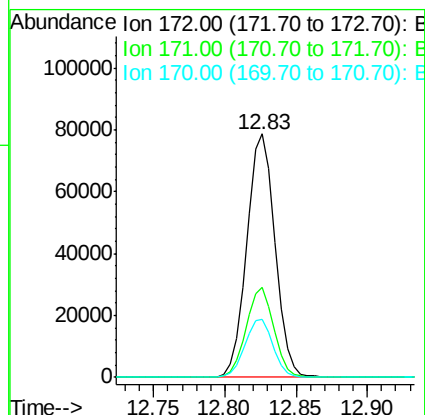
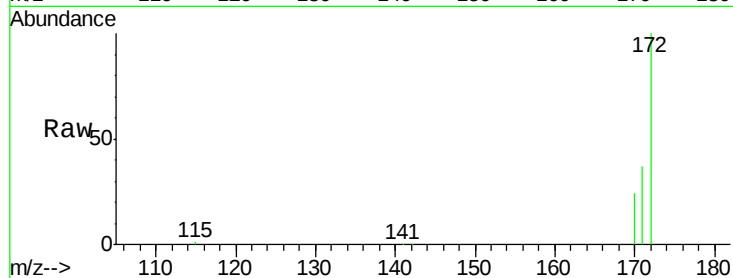




#9
2-Fluorobiphenyl
Concen: 1.98 ng
RT: 12.83 min Scan# 2402
Delta R.T. 0.00 min
Lab File: BE089865.D
Acq: 26 Mar 2015 20:11

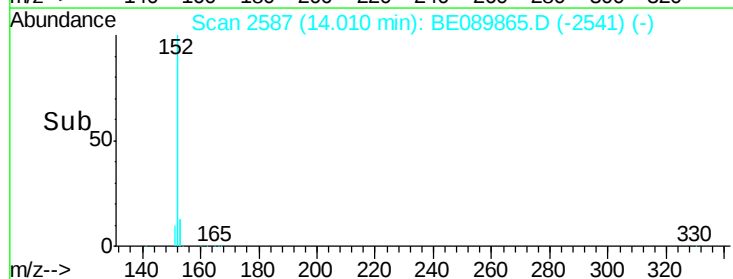
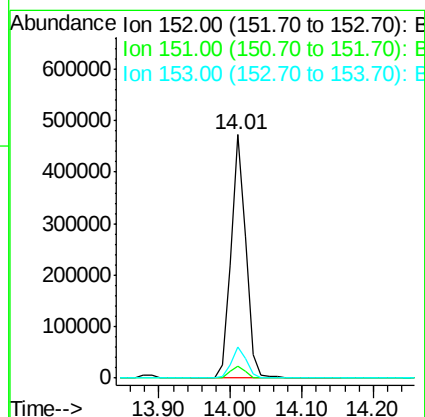
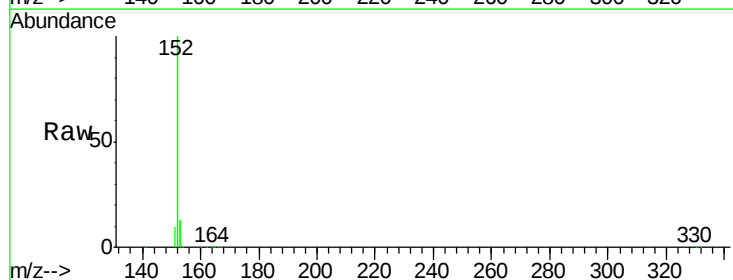
Instrument :
BNA_E
ClientSampleId :
SSTDICC002

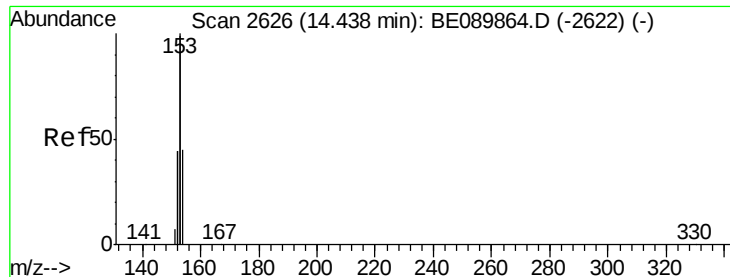
Tgt Ion:172 Resp: 109408
Ion Ratio Lower Upper
172 100
171 36.9 30.8 46.2
170 23.6 21.0 31.4



#10
Acenaphthylene
Concen: 2.05 ng
RT: 14.01 min Scan# 2587
Delta R.T. 0.00 min
Lab File: BE089865.D
Acq: 26 Mar 2015 20:11

Tgt Ion:152 Resp: 693940
Ion Ratio Lower Upper
152 100
151 5.1 3.9 5.9
153 12.9 11.0 16.4





#11

Acenaphthene

Concen: 1.92 ng

RT: 14.44 min Scan# 2626

Delta R.T. 0.00 min

Lab File: BE089865.D

Acq: 26 Mar 2015 20:11

Instrument :

BNA_E

ClientSampleId :

SSTDIC002

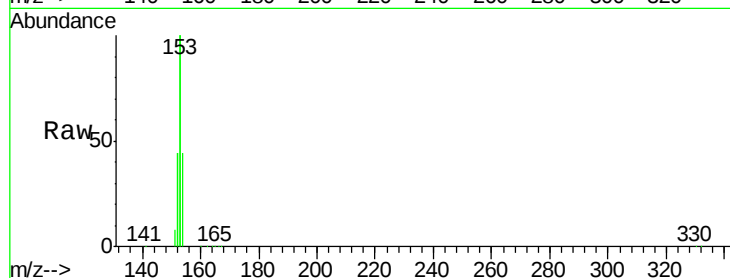
Tgt Ion:154 Resp: 99335

Ion Ratio Lower Upper

154 100

153 470.3 401.5 602.3

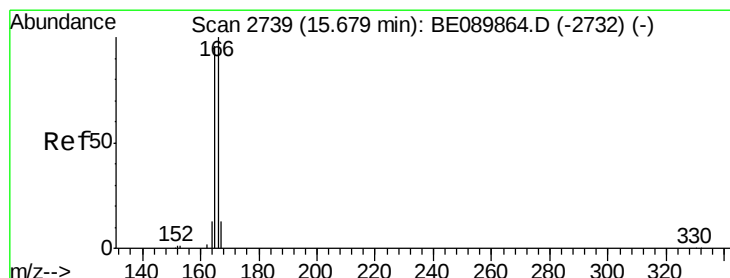
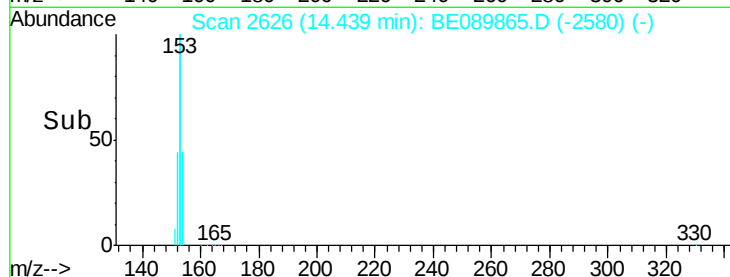
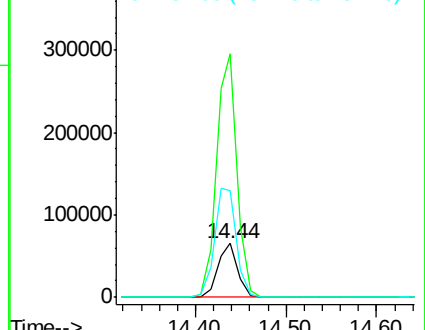
152 223.4 198.6 298.0



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: 2.02 ng

RT: 15.68 min Scan# 2739

Delta R.T. 0.00 min

Lab File: BE089865.D

Acq: 26 Mar 2015 20:11

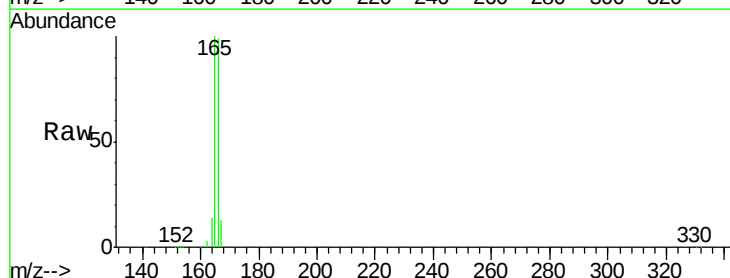
Tgt Ion:166 Resp: 128345

Ion Ratio Lower Upper

166 100

165 100.0 85.1 127.7

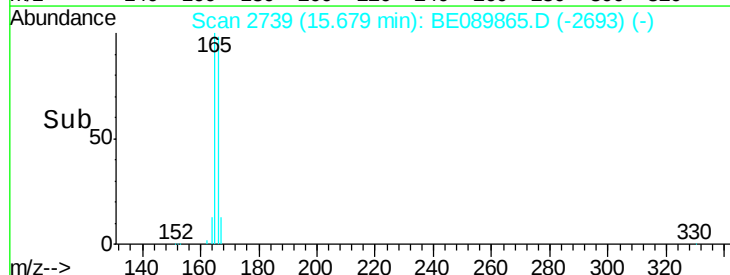
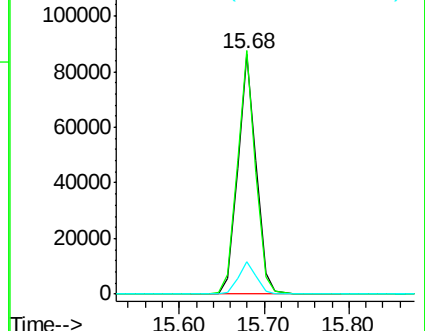
167 13.1 12.2 18.4

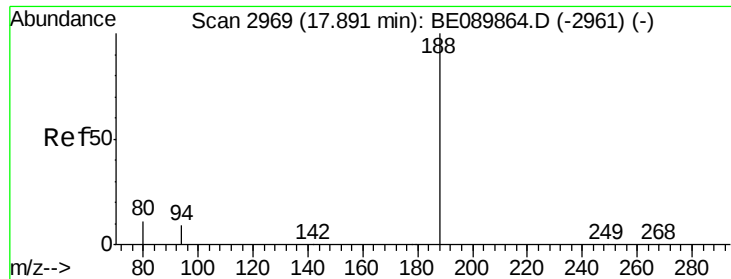


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

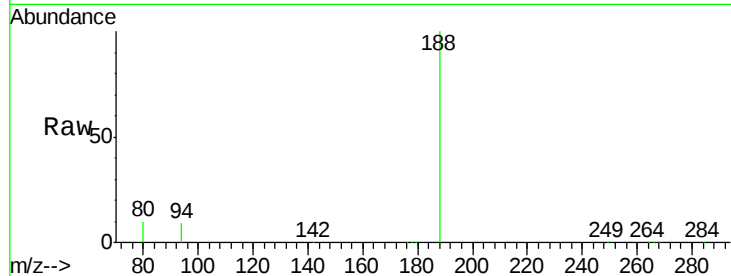




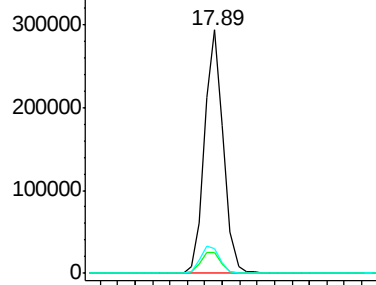
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.89 min Scan# 2969
Delta R.T. 0.00 min
Lab File: BE089865.D
Acq: 26 Mar 2015 20:11

Instrument :
BNA_E
ClientSampleId :
SSTDICC002

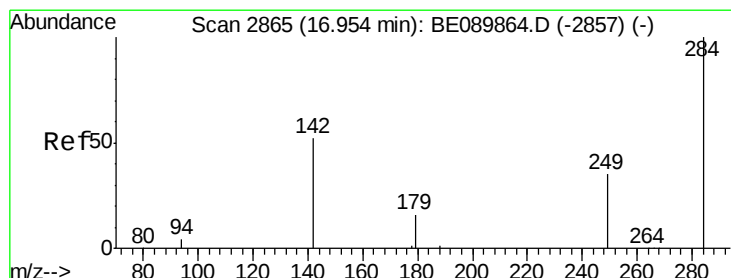
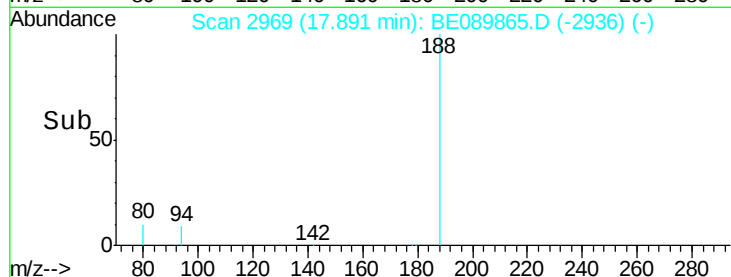
Tgt Ion:188 Resp: 442036
Ion Ratio Lower Upper
188 100
94 8.8 8.5 12.7
80 10.4 10.0 15.0



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

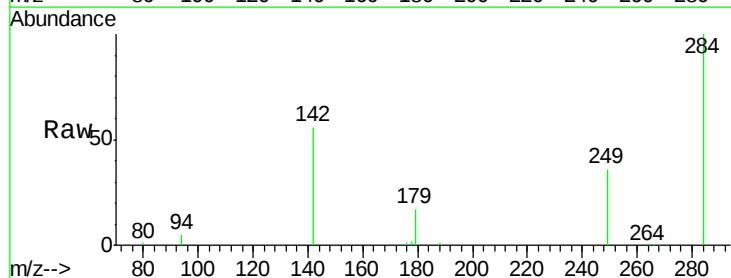


Time-->

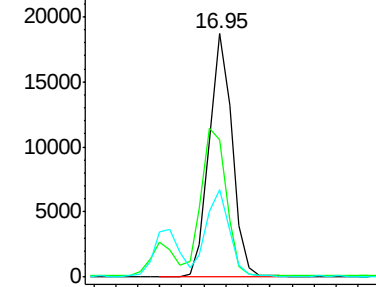


#14
Hexachlorobenzene
Concen: 1.82 ng
RT: 16.95 min Scan# 2865
Delta R.T. 0.00 min
Lab File: BE089865.D
Acq: 26 Mar 2015 20:11

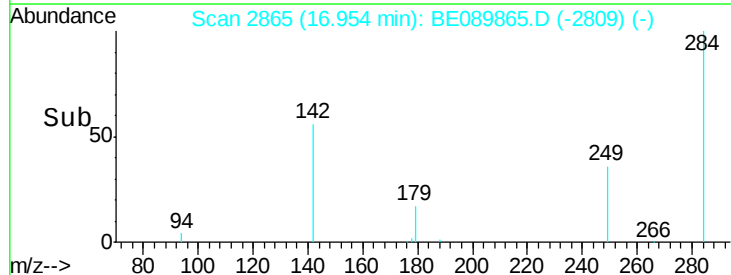
Tgt Ion:284 Resp: 26889
Ion Ratio Lower Upper
284 100
142 66.7 53.3 79.9
249 36.4 31.1 46.7

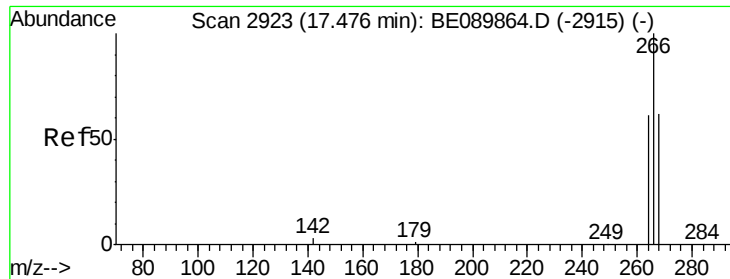


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



Time-->

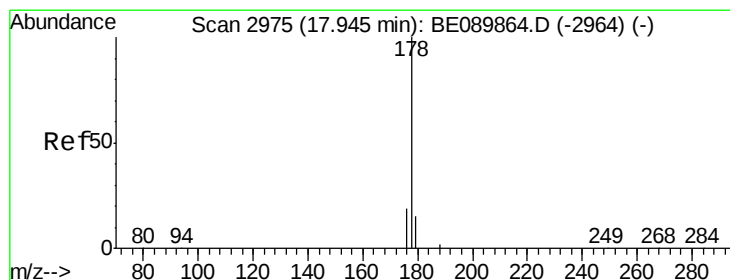
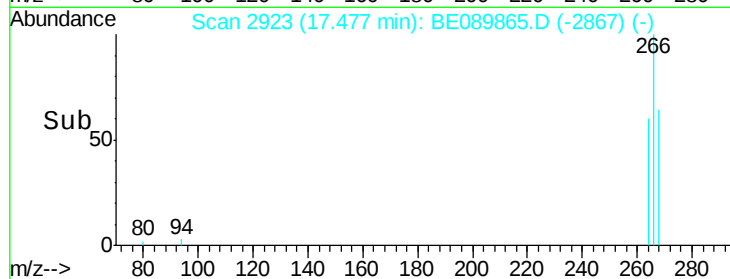
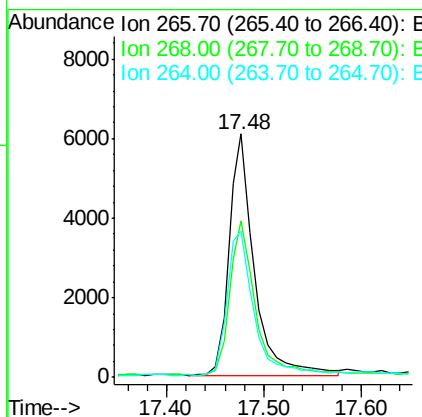
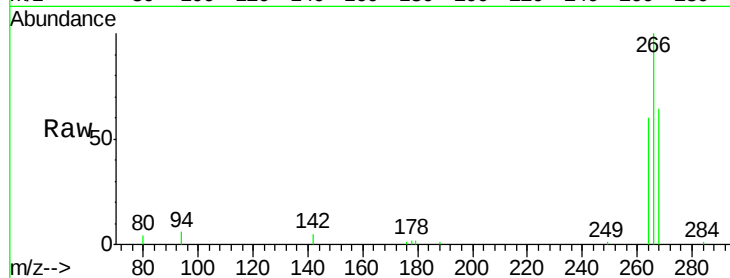




#15
 Pentachlorophenol
 Concen: 2.05 ng
 RT: 17.48 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: BE089865.D
 Acq: 26 Mar 2015 20:11

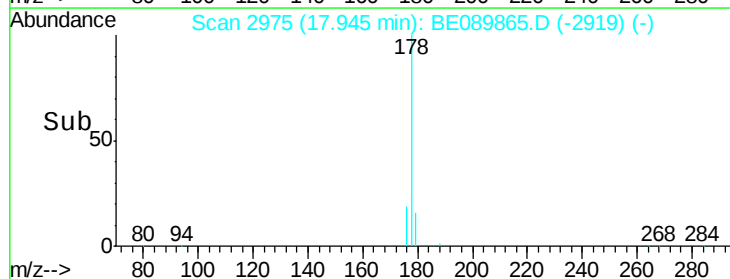
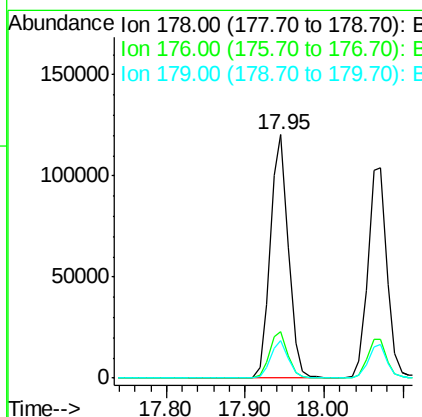
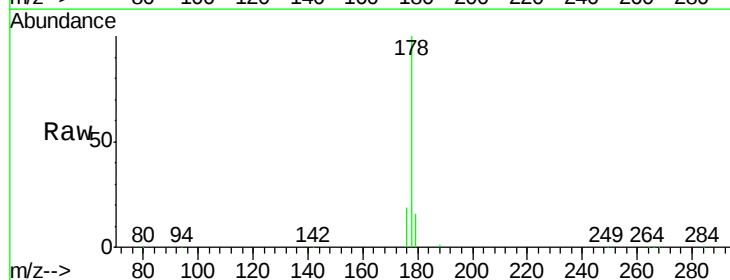
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

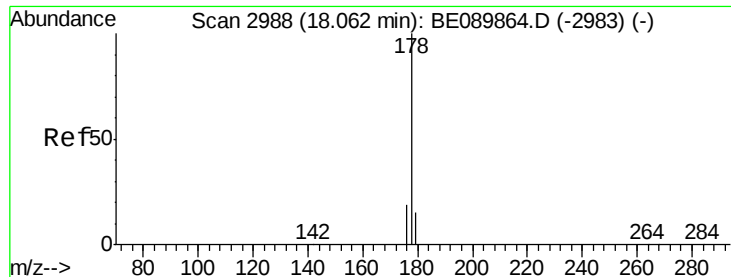
Tgt Ion: 266 Resp: 11000
 Ion Ratio Lower Upper
 266 100
 268 64.1 51.6 77.4
 264 60.1 50.2 75.2



#16
 Phenanthrene
 Concen: 1.92 ng
 RT: 17.95 min Scan# 2975
 Delta R.T. 0.00 min
 Lab File: BE089865.D
 Acq: 26 Mar 2015 20:11

Tgt Ion: 178 Resp: 188924
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.0
 179 15.2 12.2 18.4





#17

Anthracene

Concen: 2.00 ng

RT: 18.07 min Scan# 2989

Delta R.T. 0.01 min

Lab File: BE089865.D

Acq: 26 Mar 2015 20:11

Instrument :

BNA_E

ClientSampleId :

SSTDICC002

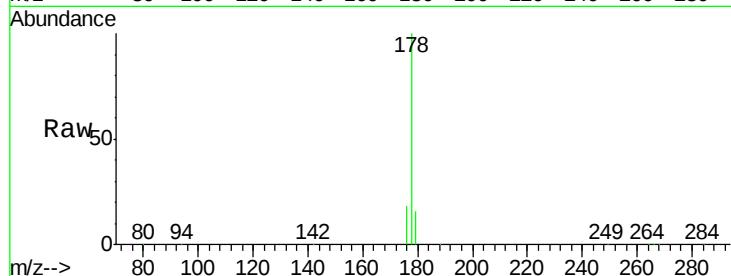
Tgt Ion:178 Resp: 175962

Ion Ratio Lower Upper

178 100

176 18.5 14.6 21.8

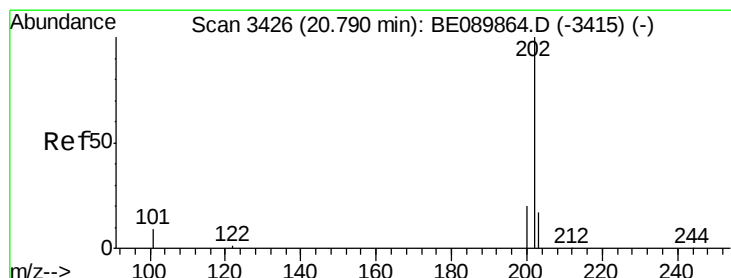
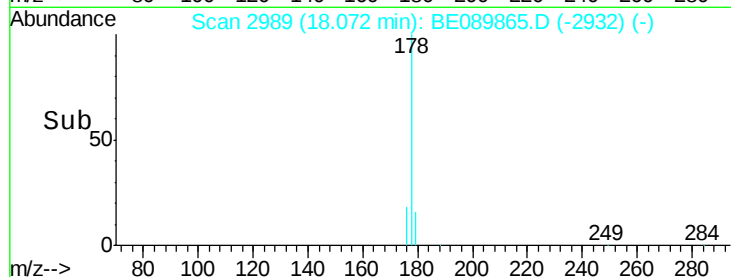
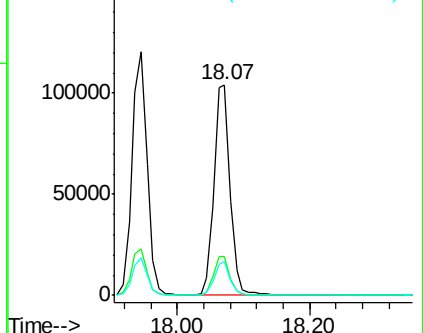
179 15.3 12.1 18.1



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: 2.14 ng

RT: 20.79 min Scan# 3426

Delta R.T. 0.00 min

Lab File: BE089865.D

Acq: 26 Mar 2015 20:11

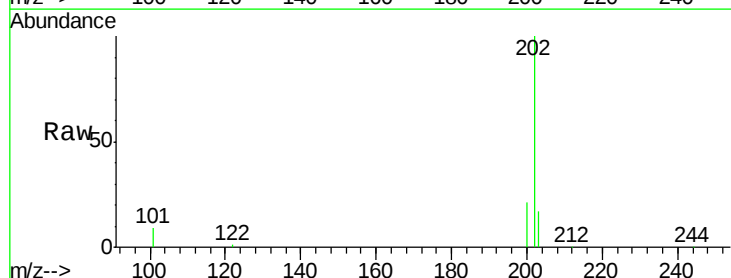
Tgt Ion:202 Resp: 192987

Ion Ratio Lower Upper

202 100

101 9.9 8.2 12.2

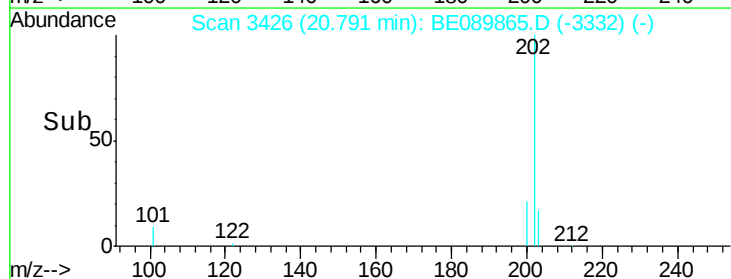
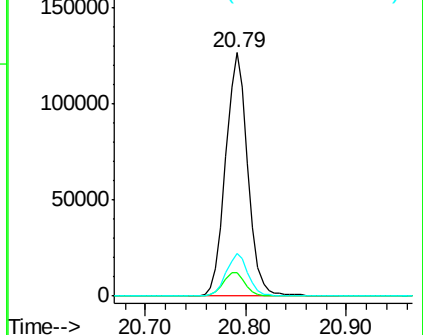
203 17.3 14.2 21.4

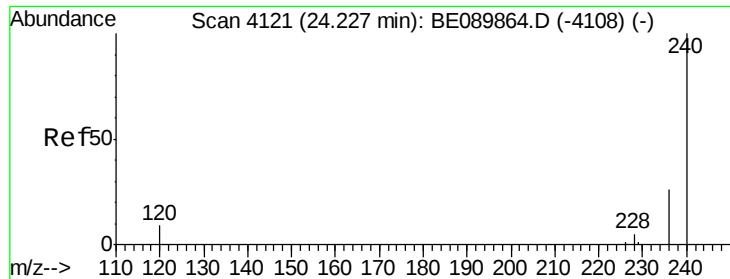


Abundance Ion 202.00 (201.70 to 202.70): E

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# 4121

Delta R.T. 0.00 min

Lab File: BE089865.D

Acq: 26 Mar 2015 20:11

Instrument :

BNA_E

ClientSampleId :

SSTDIC002

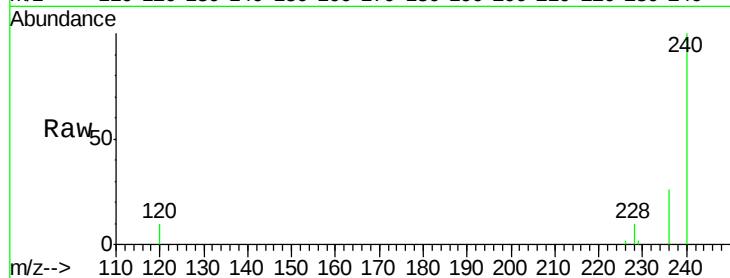
Tgt Ion:240 Resp: 452644

Ion Ratio Lower Upper

240 100

120 9.5 7.5 11.3

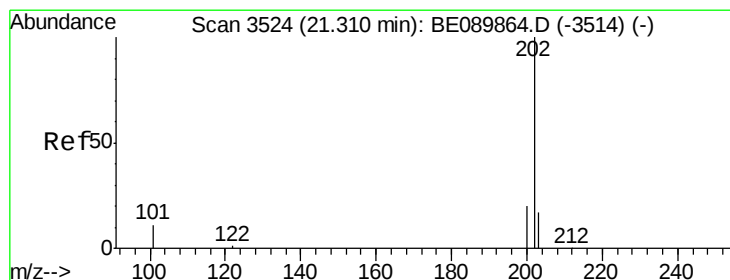
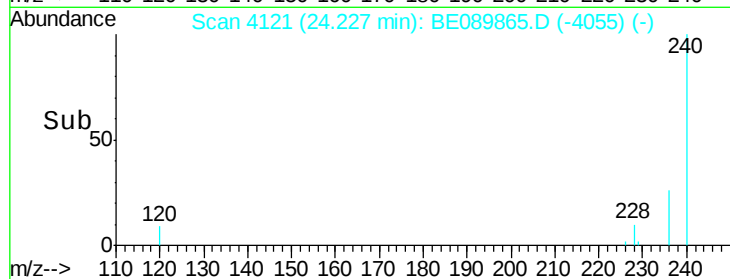
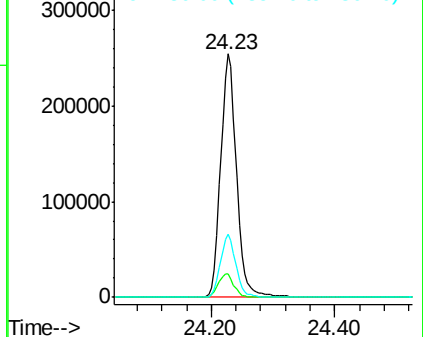
236 25.8 20.5 30.7



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: 1.79 ng

RT: 21.31 min Scan# 3524

Delta R.T. 0.00 min

Lab File: BE089865.D

Acq: 26 Mar 2015 20:11

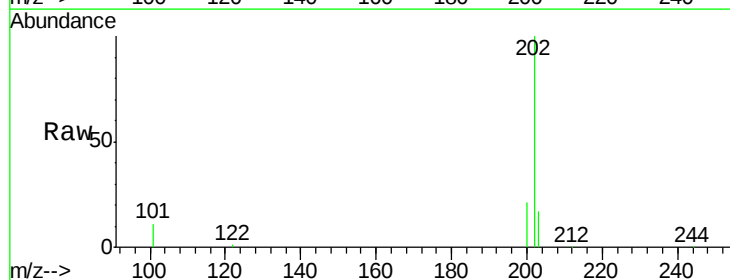
Tgt Ion:202 Resp: 205221

Ion Ratio Lower Upper

202 100

200 20.8 15.9 23.9

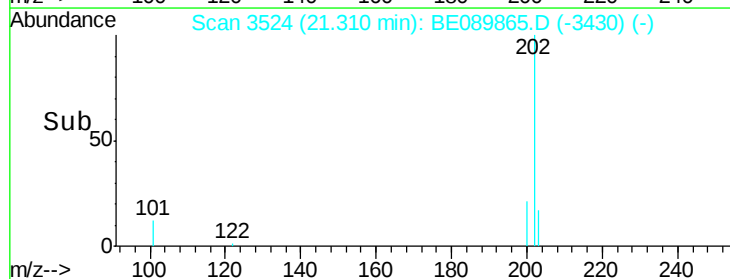
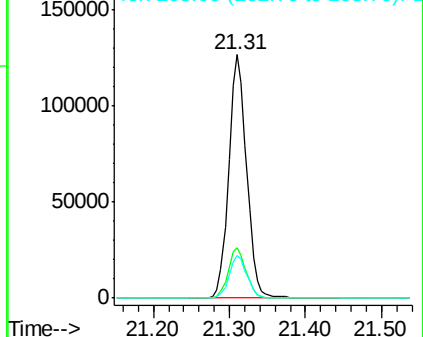
203 17.4 13.6 20.4

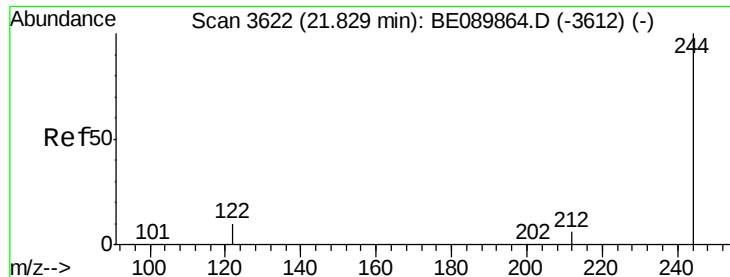


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

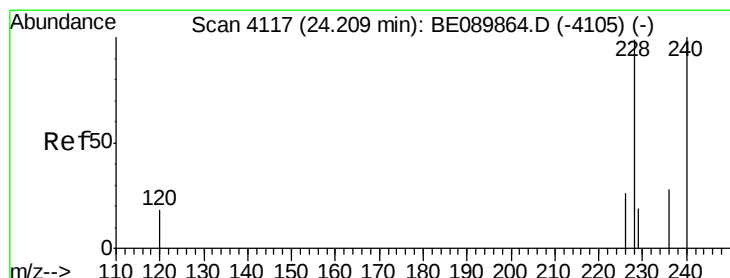
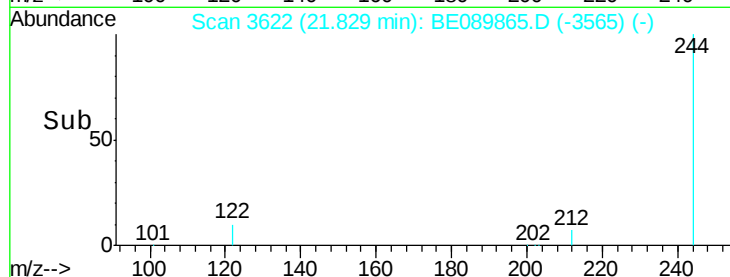
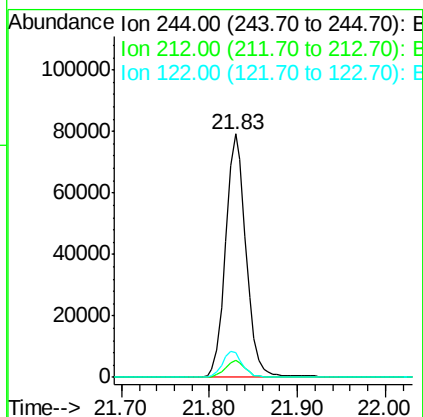
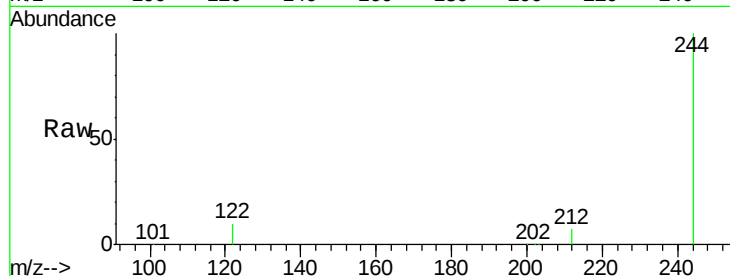




#21
 Terphenyl-d14
 Concen: 1.88 ng
 RT: 21.83 min Scan# 3622
 Delta R.T. 0.00 min
 Lab File: BE089865.D
 Acq: 26 Mar 2015 20:11

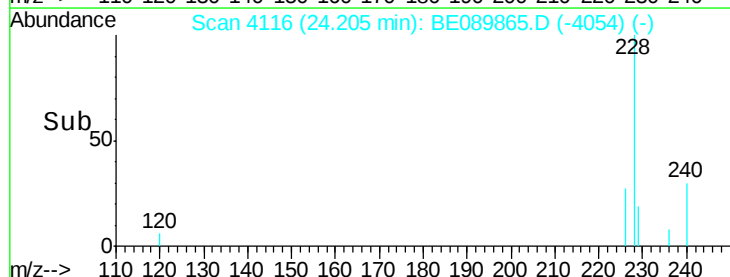
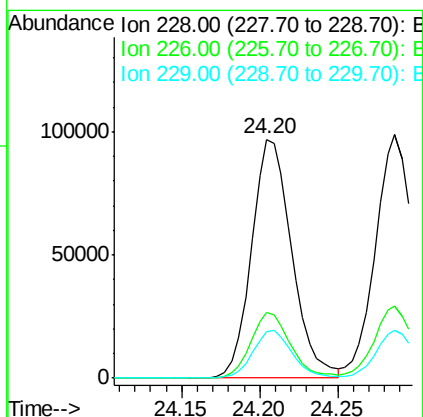
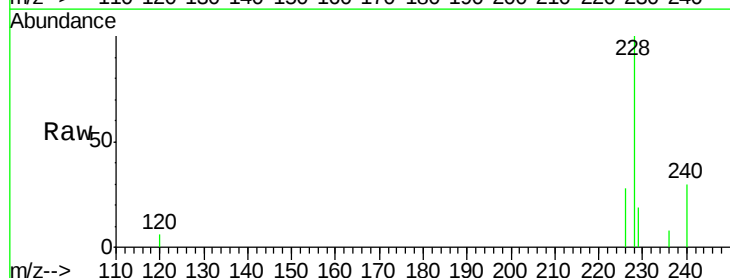
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

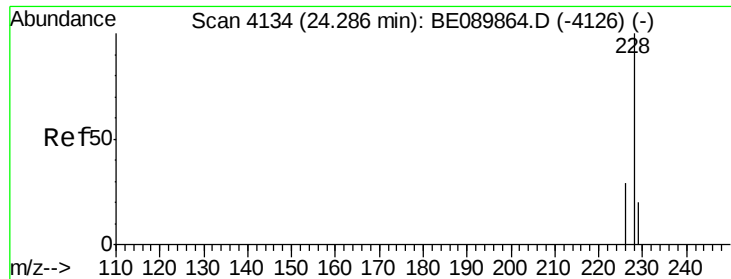
Tgt Ion:244 Resp: 126465
 Ion Ratio Lower Upper
 244 100
 212 7.0 7.3 10.9#
 122 10.0 10.5 15.7#



#22
 Benzo(a)anthracene
 Concen: 2.00 ng
 RT: 24.20 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: BE089865.D
 Acq: 26 Mar 2015 20:11

Tgt Ion:228 Resp: 173156
 Ion Ratio Lower Upper
 228 100
 226 27.5 19.8 29.8
 229 19.2 16.3 24.5





#23

Chrysene

Concen: 1.93 ng

RT: 24.29 min Scan# 4134

Delta R.T. 0.00 min

Lab File: BE089865.D

Acq: 26 Mar 2015 20:11

Instrument :

BNA_E

ClientSampleId :

SSTDICC002

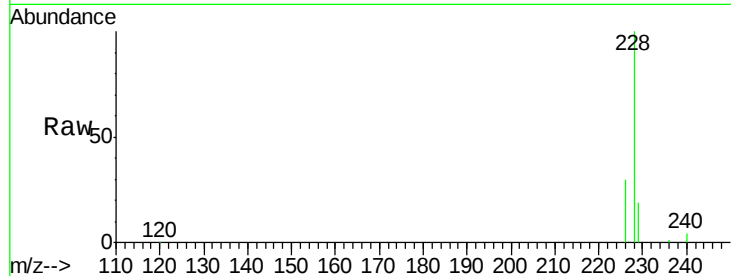
Tgt Ion:228 Resp: 180069

Ion Ratio Lower Upper

228 100

226 29.7 23.0 34.4

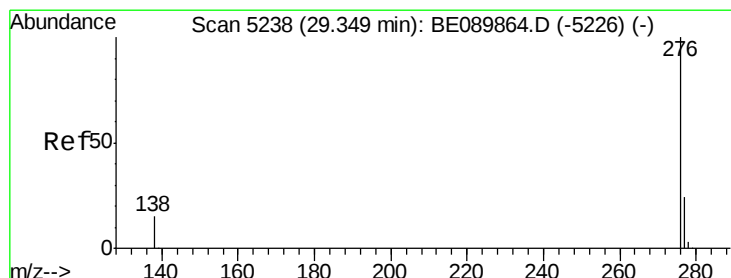
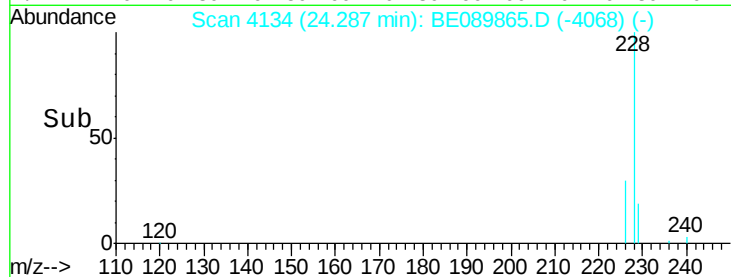
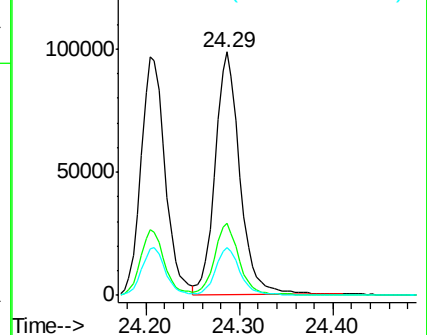
229 19.4 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 2.94 ng m

RT: 29.35 min Scan# 5238

Delta R.T. 0.00 min

Lab File: BE089865.D

Acq: 26 Mar 2015 20:11

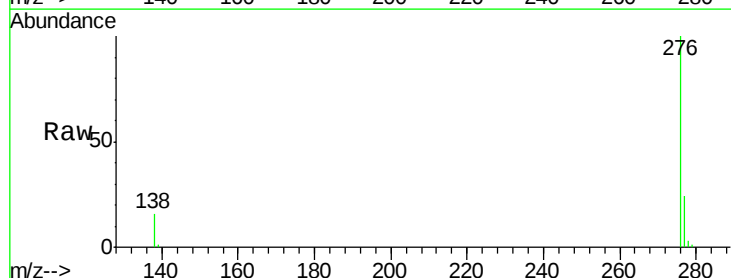
Tgt Ion:276 Resp: 165199

Ion Ratio Lower Upper

276 100

138 9.0 4.3 6.5#

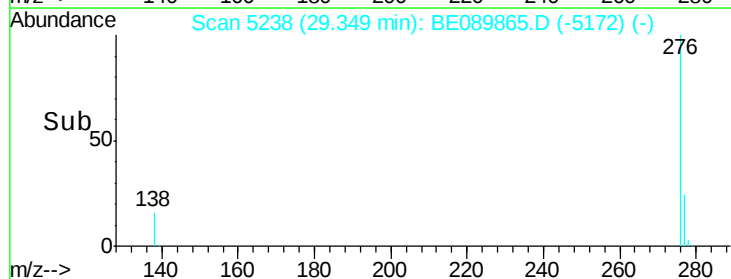
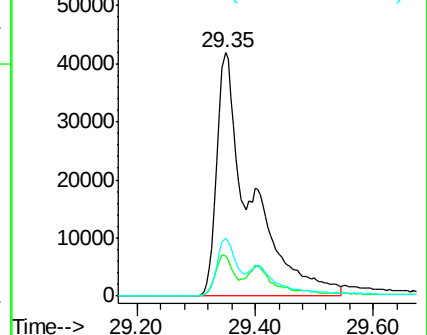
277 13.5 9.0 13.4#

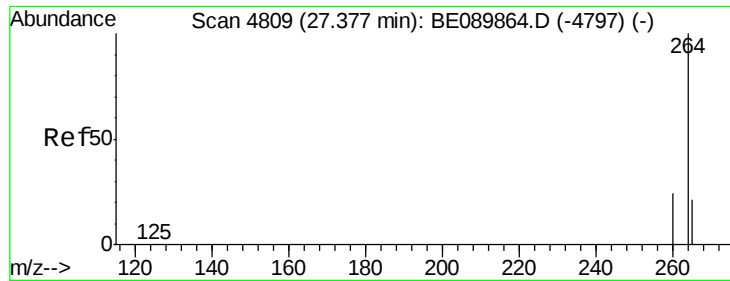


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

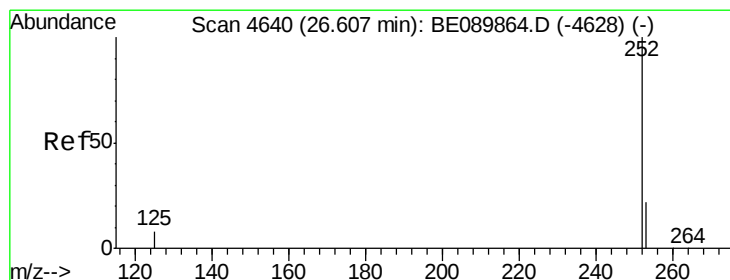
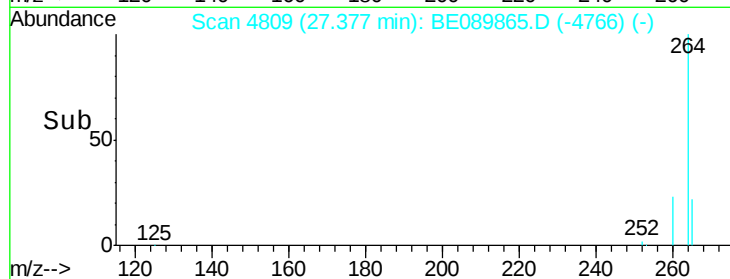
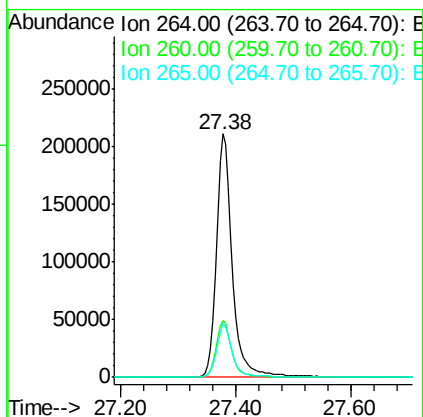
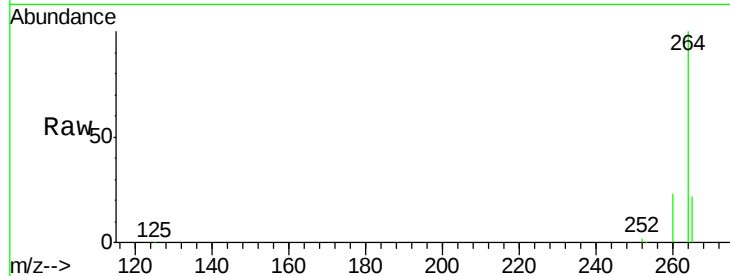




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 27.38 min Scan# 4809
 Delta R.T. 0.00 min
 Lab File: BE089865.D
 Acq: 26 Mar 2015 20:11

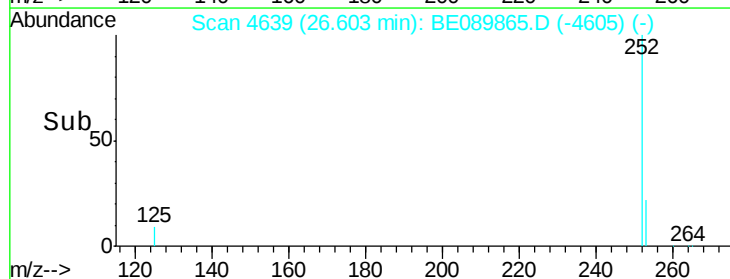
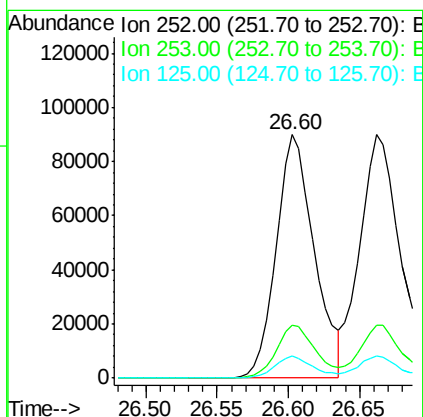
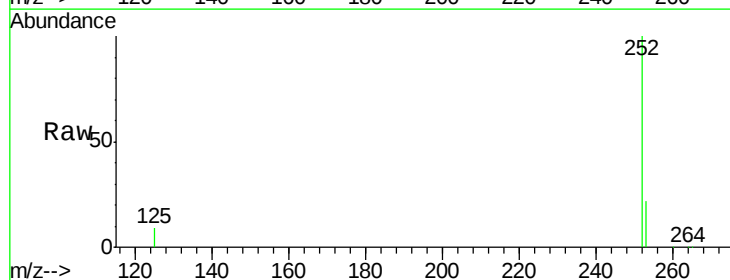
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

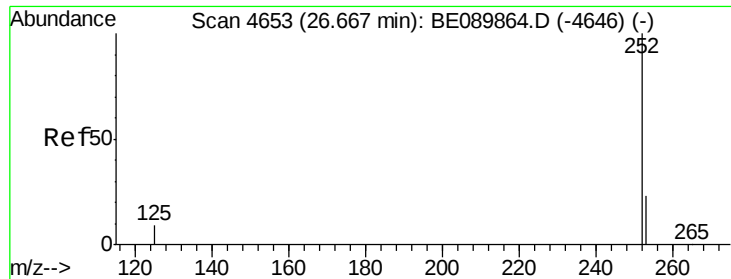
Tgt Ion: 264 Resp: 411052
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.2 27.2
 265 22.1 17.3 25.9



#26
 Benzo(b)fluoranthene
 Concen: 2.50 ng
 RT: 26.60 min Scan# 4639
 Delta R.T. -0.00 min
 Lab File: BE089865.D
 Acq: 26 Mar 2015 20:11

Tgt Ion: 252 Resp: 165630
 Ion Ratio Lower Upper
 252 100
 253 21.6 17.8 26.6
 125 8.9 8.7 13.1





#27

Benzo(k)fluoranthene

Concen: 2.26 ng

RT: 26.66 min Scan# 4652

Delta R.T. -0.00 min

Lab File: BE089865.D

Acq: 26 Mar 2015 20:11

Instrument :

BNA_E

ClientSampleId :

SSTDICC002

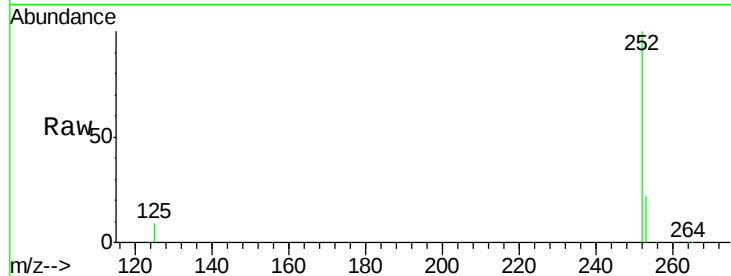
Tgt Ion:252 Resp: 201259

Ion Ratio Lower Upper

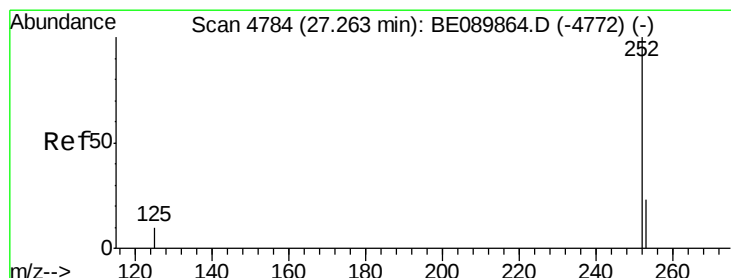
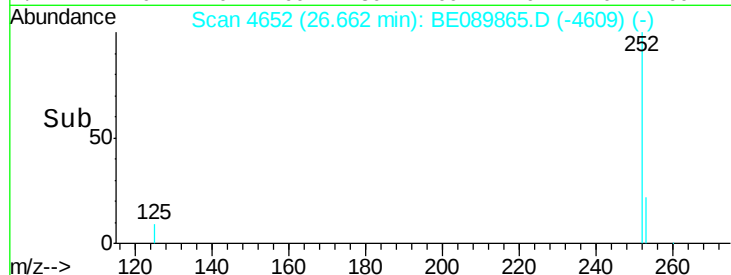
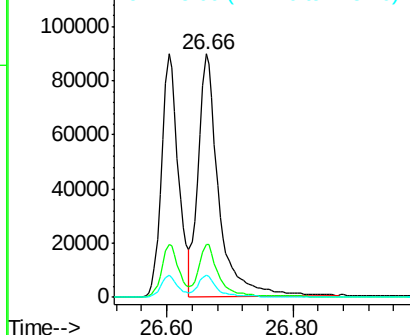
252 100

253 22.0 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: 2.45 ng

RT: 27.26 min Scan# 4784

Delta R.T. 0.00 min

Lab File: BE089865.D

Acq: 26 Mar 2015 20:11

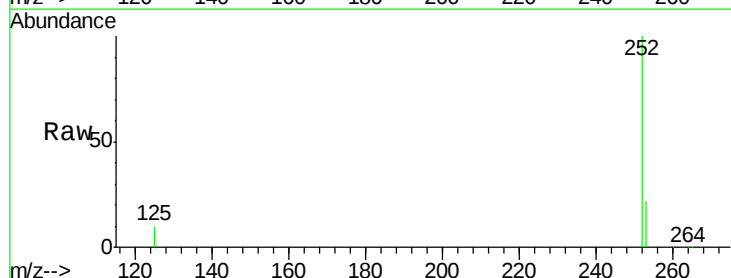
Tgt Ion:252 Resp: 152354

Ion Ratio Lower Upper

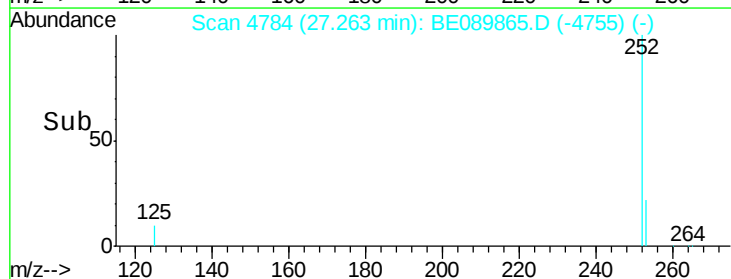
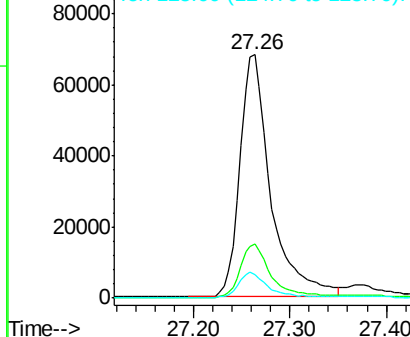
252 100

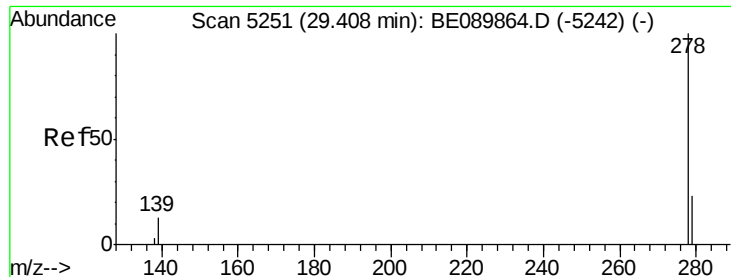
253 22.2 21.0 31.4

125 9.8 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: 2.69 ng

RT: 29.41 min Scan# 5251

Delta R.T. 0.00 min

Lab File: BE089865.D

Acq: 26 Mar 2015 20:11

Instrument :

BNA_E

ClientSampleId :

SSTDICC002

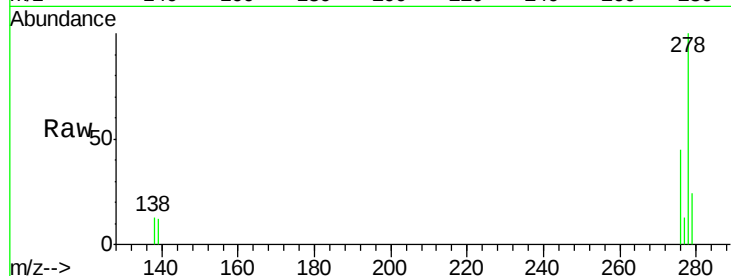
Tgt Ion: 278 Resp: 120427

Ion Ratio Lower Upper

278 100

139 12.4 20.0 30.0#

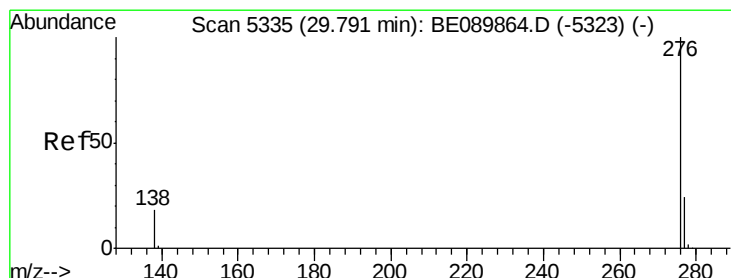
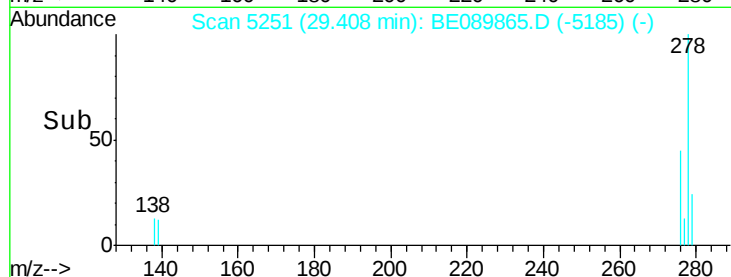
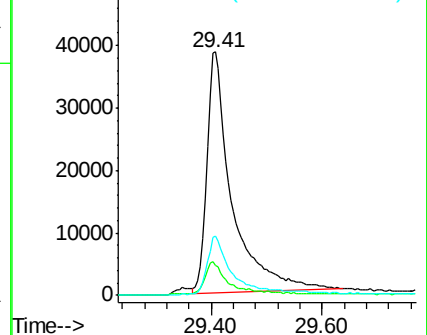
279 24.2 28.9 43.3#



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: 2.26 ng

RT: 29.79 min Scan# 5335

Delta R.T. 0.00 min

Lab File: BE089865.D

Acq: 26 Mar 2015 20:11

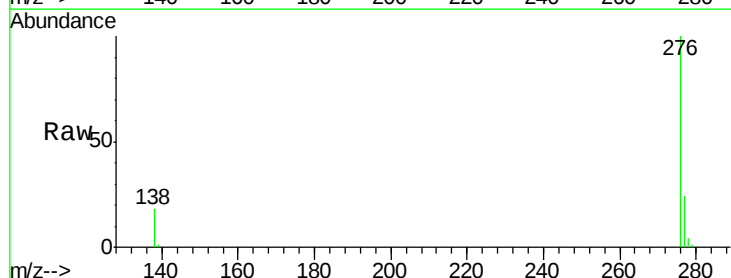
Tgt Ion: 276 Resp: 144165

Ion Ratio Lower Upper

276 100

277 23.6 19.2 28.8

138 17.5 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

