

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032515\
 Data File : BE089840.D
 Acq On : 25 Mar 2015 16:37
 Operator : TP/JJ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Quant Time: Mar 25 17:28:01 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 25 16:20:31 2015
 Response via : Initial Calibration

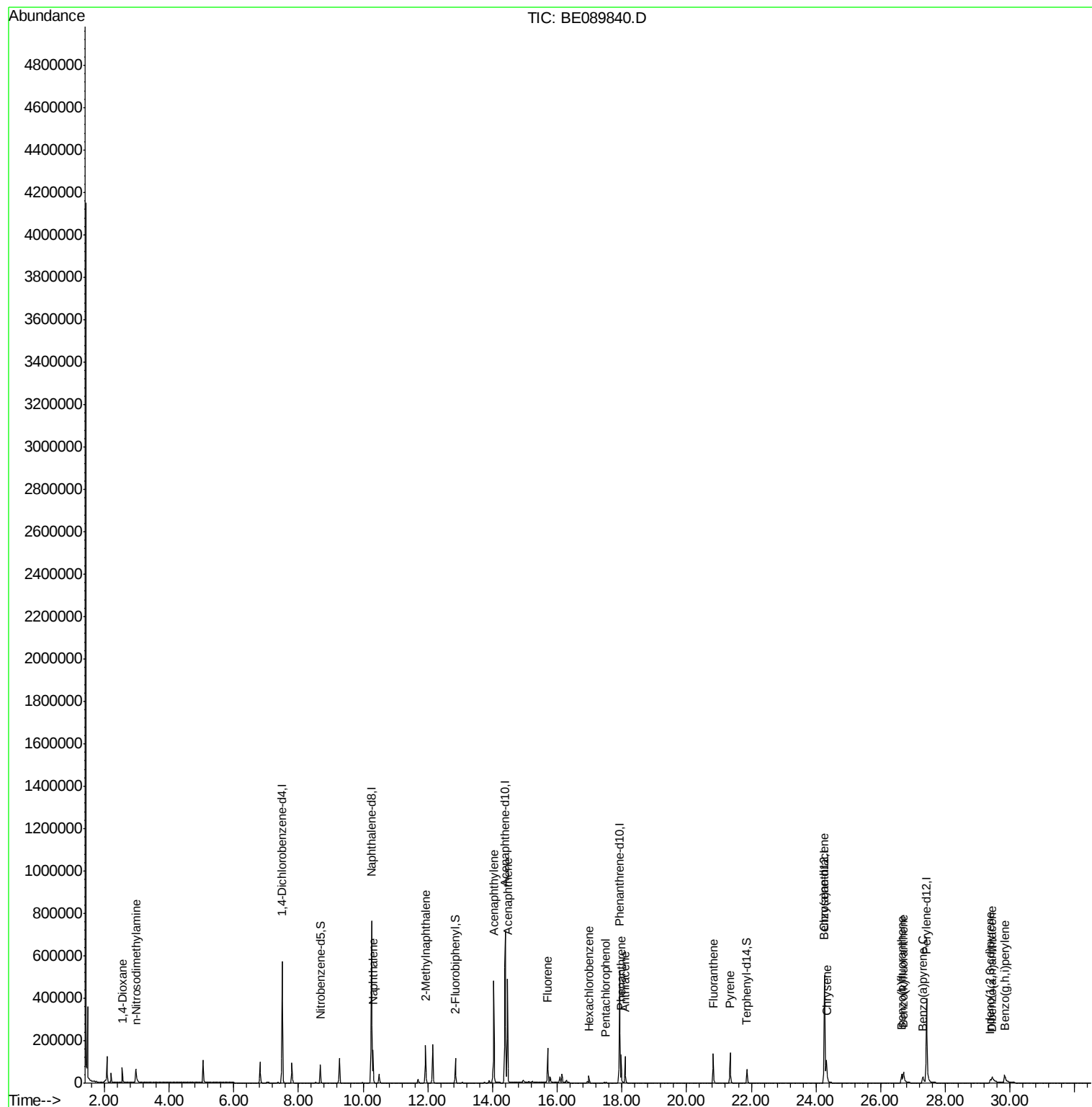
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	255813	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	1028133	5.00	ng	0.00
8) Acenaphthene-d10	14.39	164	443941	5.00	ng	0.00
13) Phenanthrene-d10	17.93	188	739708	5.00	ng	0.00
19) Chrysene-d12	24.26	240	653864	5.00	ng	0.00
25) Perylene-d12	27.42	264	573563	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	74369	1.22	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	113031	1.09	ng	0.00
21) Terphenyl-d14	21.87	244	95601	0.99	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.56	88	33571	1.02	ng	91
3) n-Nitrosodimethylamine	2.97	42	47876	0.98	ng	# 74
6) Naphthalene	10.31	128	202158	0.99	ng	96
7) 2-Methylnaphthalene	11.93	142	119517	1.06	ng	100
10) Acenaphthylene	14.04	152	679441	1.07	ng	99
11) Acenaphthene	14.46	154	101128	1.04	ng	84
12) Fluorene	15.71	166	120528	1.02	ng	93
14) Hexachlorobenzene	16.99	284	24440	0.99	ng	95
15) Pentachlorophenol	17.50	266	4688	0.65	ng	94
16) Phenanthrene	17.97	178	163339	1.00	ng	99
17) Anthracene	18.10	178	149248	1.03	ng	100
18) Fluoranthene	20.82	202	157028	1.07	ng	99
20) Pyrene	21.35	202	161748	0.98	ng	98
22) Benzo(a)anthracene	24.25	228	121141	0.99	ng	99
23) Chrysene	24.32	228	140675	1.05	ng	99
24) Indeno(1,2,3-cd)pyrene	29.39	276	77162m	0.96	ng	
26) Benzo(b)fluoranthene	26.64	252	72223	0.87	ng	98
27) Benzo(k)fluoranthene	26.70	252	132993	1.13	ng	# 93
28) Benzo(a)pyrene	27.30	252	74958	0.92	ng	# 90
29) Dibenzo(a,h)anthracene	29.44	278	52250	0.87	ng	# 80
30) Benzo(g,h,i)perylene	29.83	276	98553	1.04	ng	# 88

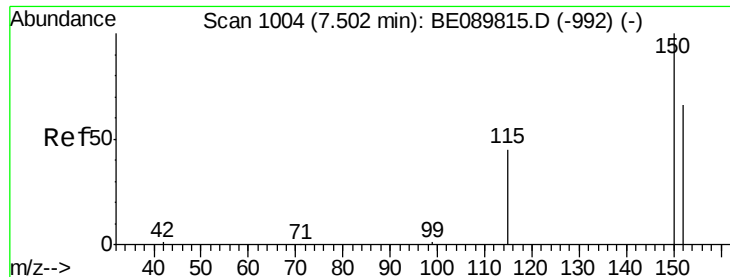
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.50 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BE089840.D

Acq: 25 Mar 2015 16:37

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

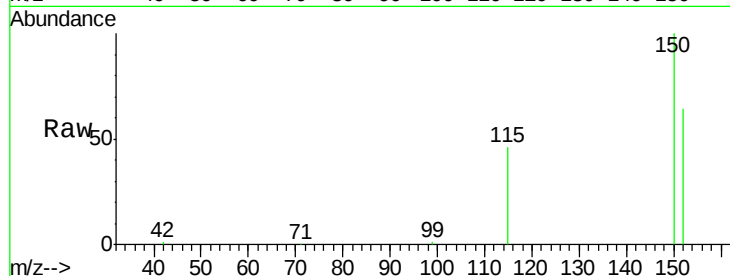
Tgt Ion:152 Resp: 255813

Ion Ratio Lower Upper

152 100

150 156.8 125.5 188.3

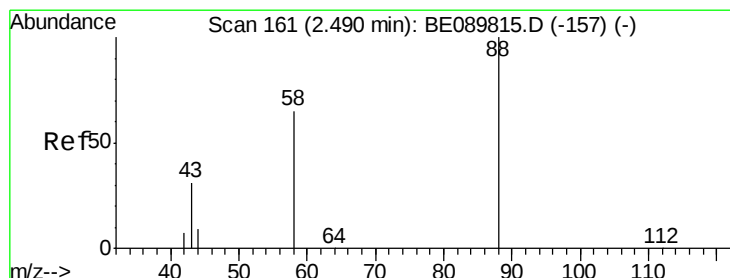
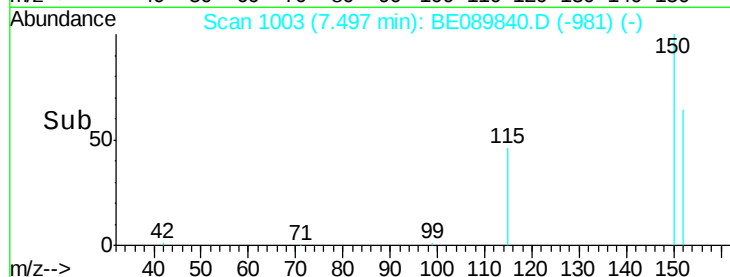
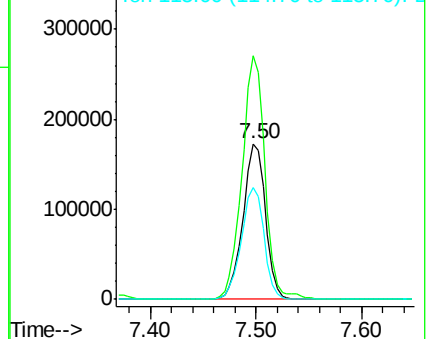
115 72.4 58.0 87.0



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: 1.02 ng

RT: 2.56 min Scan# 171

Delta R.T. 0.03 min

Lab File: BE089840.D

Acq: 25 Mar 2015 16:37

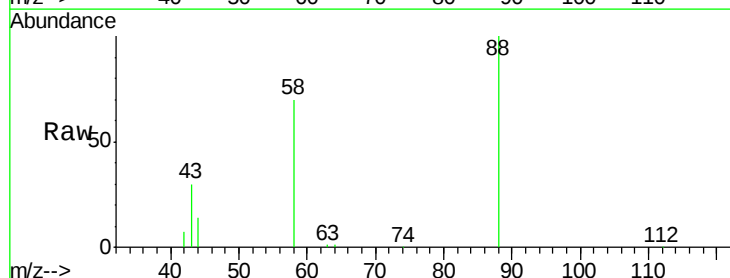
Tgt Ion: 88 Resp: 33571

Ion Ratio Lower Upper

88 100

58 71.8 48.6 72.8

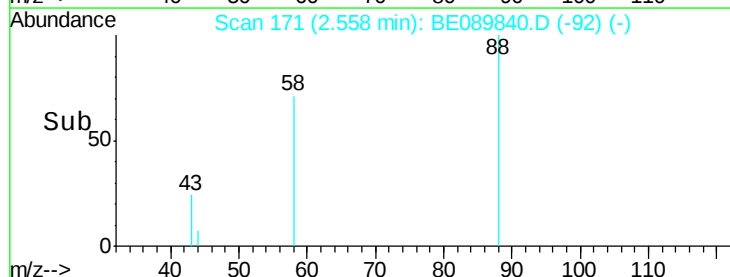
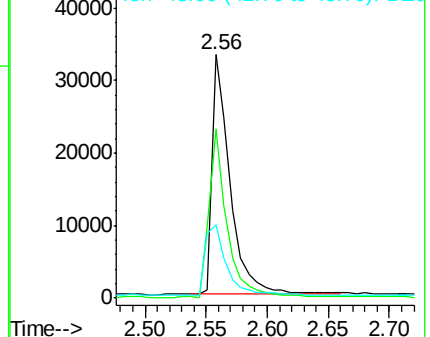
43 35.8 28.6 43.0

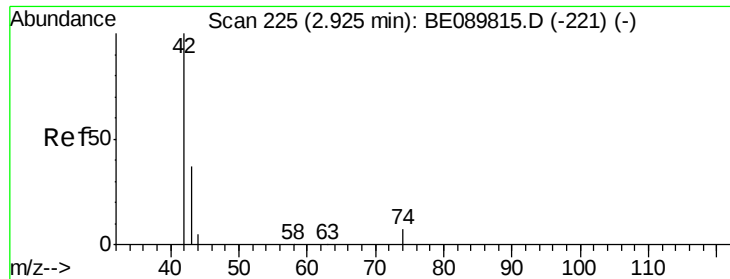


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



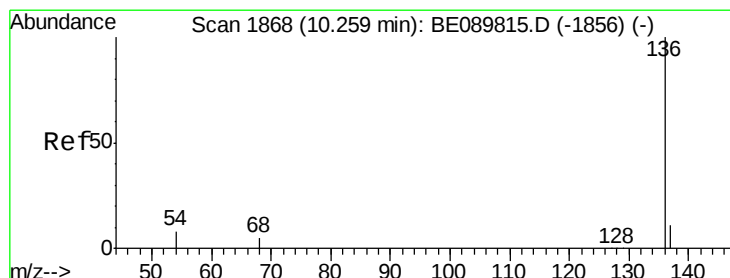
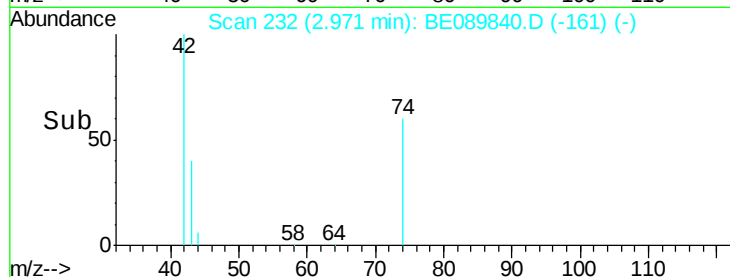
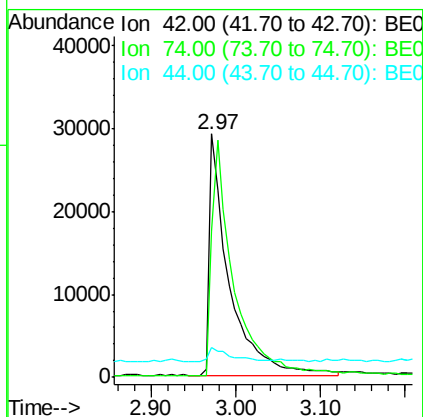
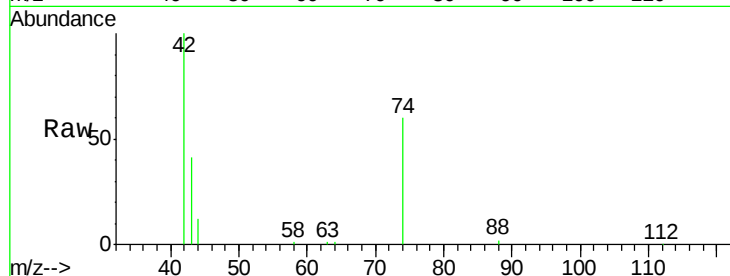


#3

n-Nitrosodimethylamine
 Concen: 0.98 ng
 RT: 2.97 min Scan# 232
 Delta R.T. -0.02 min
 Lab File: BE089840.D
 Acq: 25 Mar 2015 16:37

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

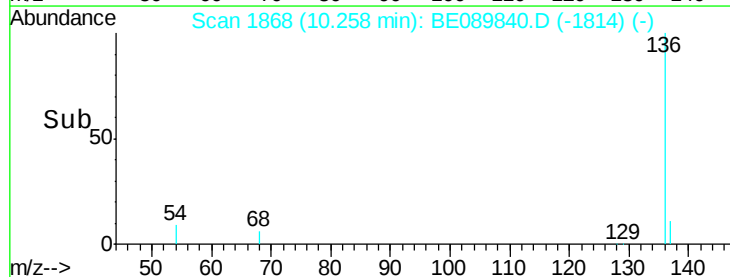
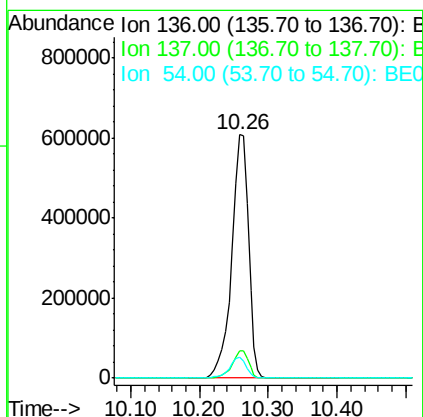
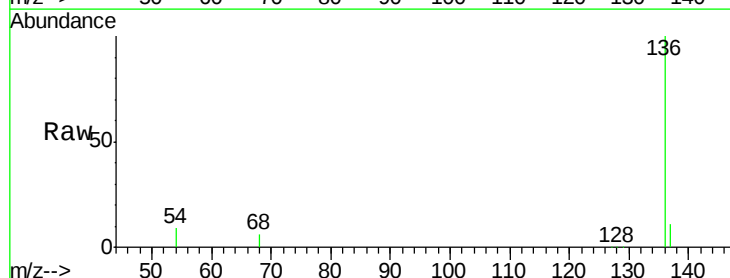
Tgt Ion: 42 Resp: 47876
 Ion Ratio Lower Upper
 42 100
 74 111.5 68.7 103.1#
 44 6.5 6.2 9.4

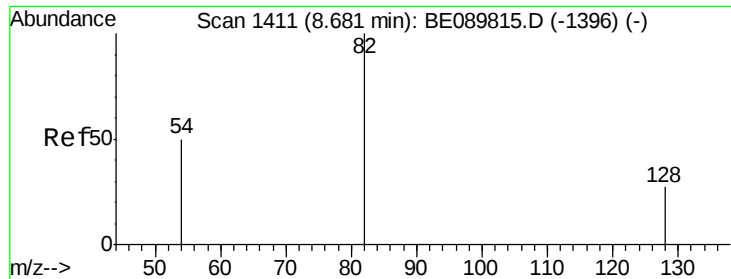


#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 10.26 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: BE089840.D
 Acq: 25 Mar 2015 16:37

Tgt Ion: 136 Resp: 1028133
 Ion Ratio Lower Upper
 136 100
 137 11.1 8.8 13.2
 54 8.7 7.0 10.4





#5

Nitrobenzene-d5

Concen: 1.22 ng

RT: 8.68 min Scan# 1411

Delta R.T. -0.00 min

Lab File: BE089840.D

Acq: 25 Mar 2015 16:37

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

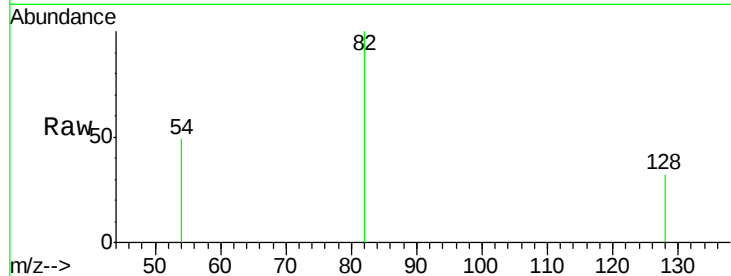
Tgt Ion: 82 Resp: 74369

Ion Ratio Lower Upper

82 100

128 31.5 24.6 37.0

54 48.9 43.0 64.6

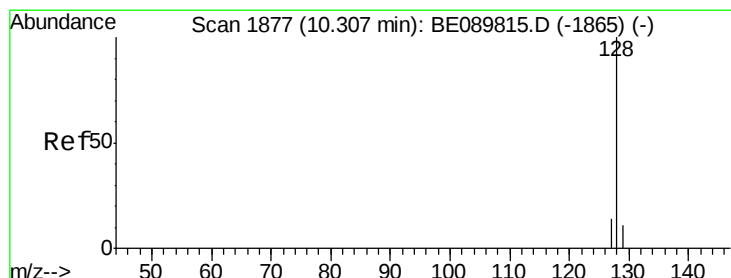
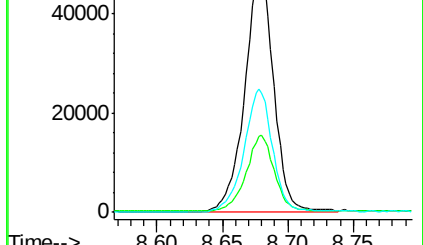
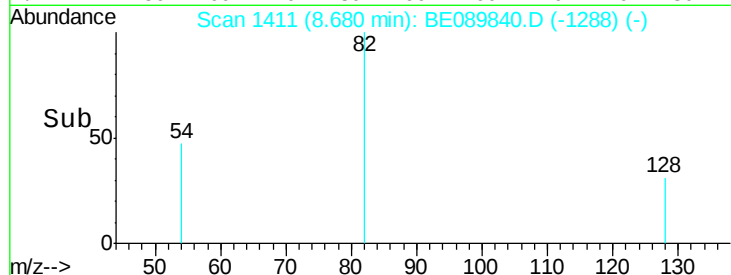


Abundance Ion 82.00 (81.70 to 82.70): BE089840.D (-1288) (-)

Ion 128.00 (127.70 to 128.70): BE089840.D (-1288) (-)

Ion 54.00 (53.70 to 54.70): BE089840.D (-1288) (-)

Time-->



#6

Naphthalene

Concen: 0.99 ng

RT: 10.31 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BE089840.D

Acq: 25 Mar 2015 16:37

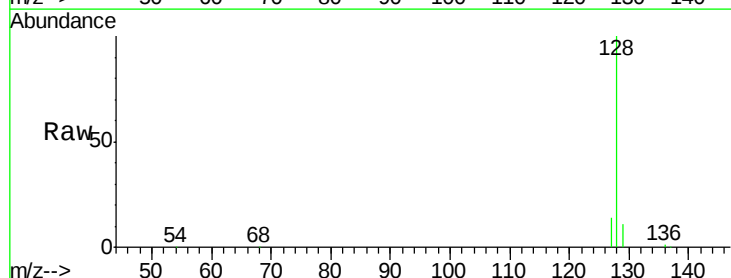
Tgt Ion: 128 Resp: 202158

Ion Ratio Lower Upper

128 100

129 11.2 10.0 15.0

127 13.5 12.5 18.7

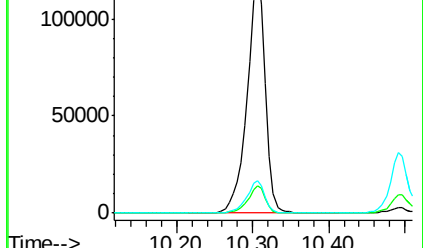
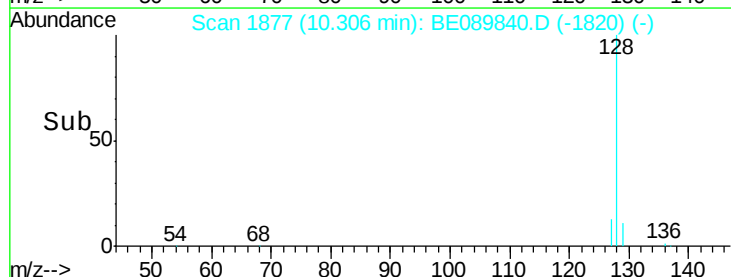


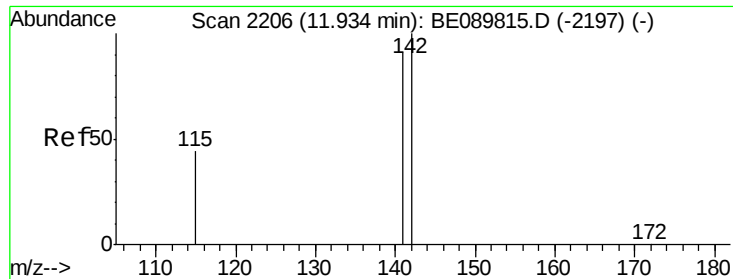
Abundance Ion 128.00 (127.70 to 128.70): BE089840.D (-1820) (-)

Ion 129.00 (128.70 to 129.70): BE089840.D (-1820) (-)

Ion 127.00 (126.70 to 127.70): BE089840.D (-1820) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 1.06 ng

RT: 11.93 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE089840.D

Acq: 25 Mar 2015 16:37

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

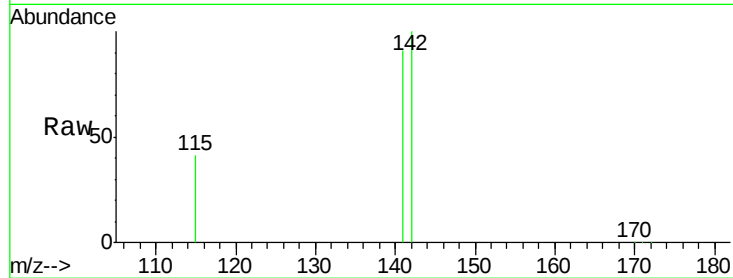
Tgt Ion:142 Resp: 119517

Ion Ratio Lower Upper

142 100

141 91.0 72.8 109.2

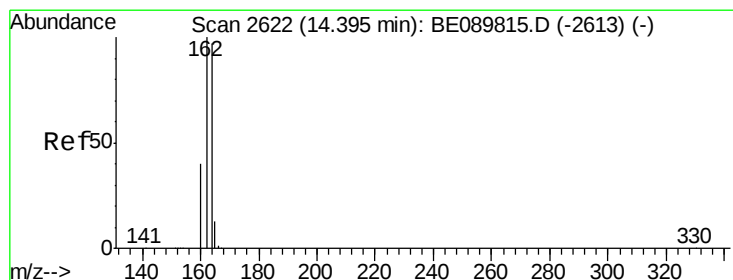
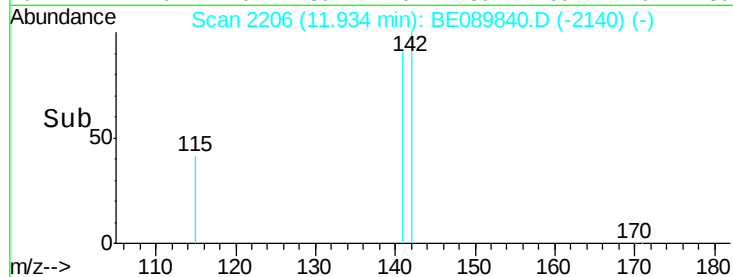
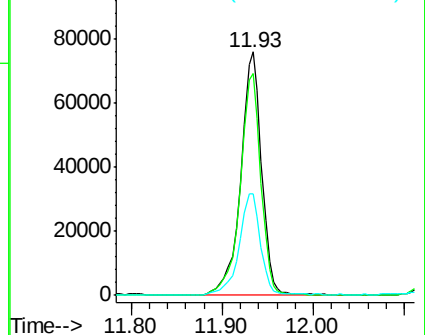
115 41.4 32.9 49.3



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: 14.39 min Scan# 2622

Delta R.T. 0.01 min

Lab File: BE089840.D

Acq: 25 Mar 2015 16:37

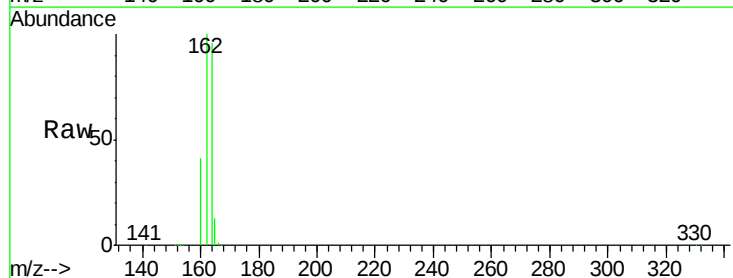
Tgt Ion:164 Resp: 443941

Ion Ratio Lower Upper

164 100

162 104.3 87.6 131.4

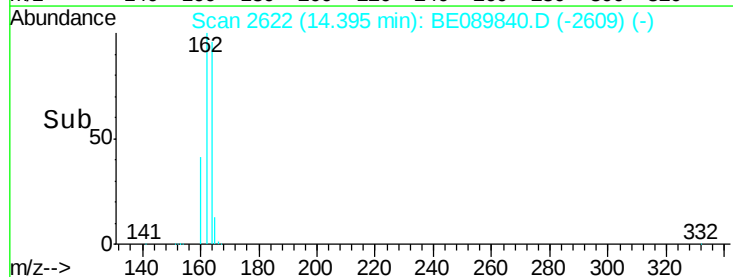
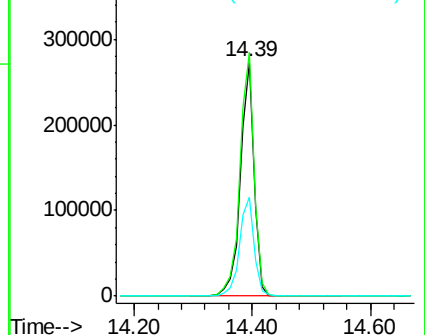
160 42.5 36.7 55.1

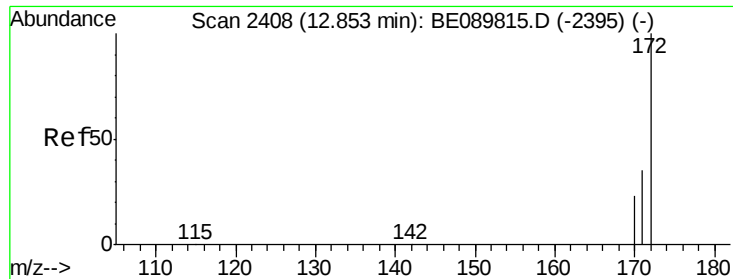


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

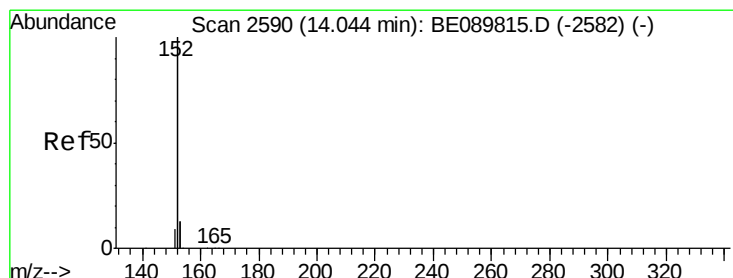
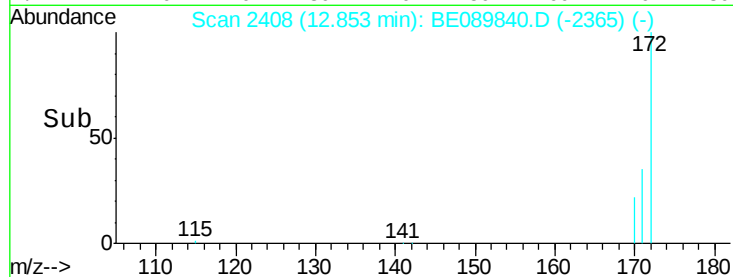
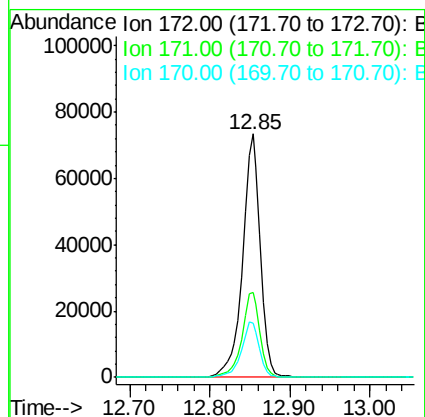
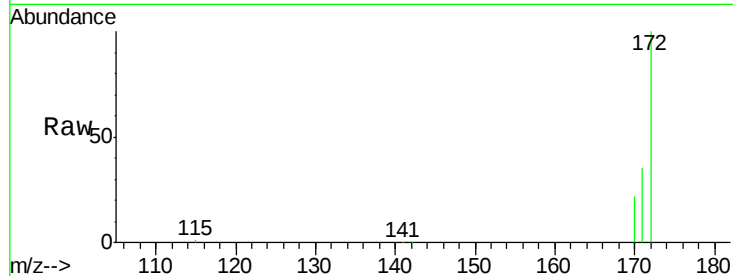




#9
2-Fluorobiphenyl
Concen: 1.09 ng
RT: 12.85 min Scan# 2408
Delta R.T. 0.00 min
Lab File: BE089840.D
Acq: 25 Mar 2015 16:37

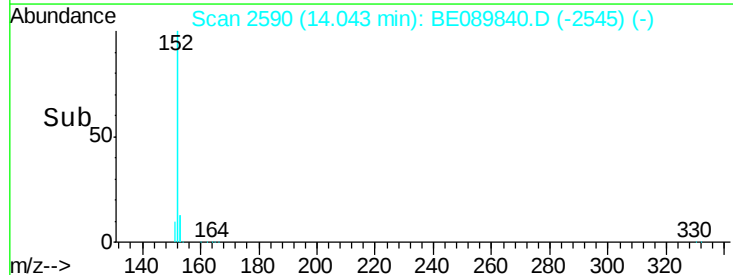
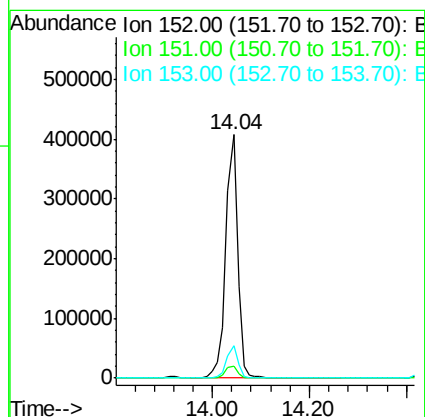
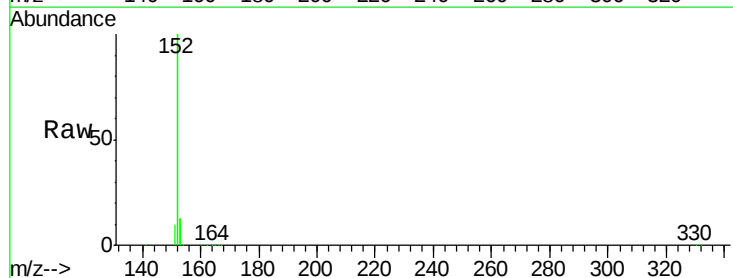
Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

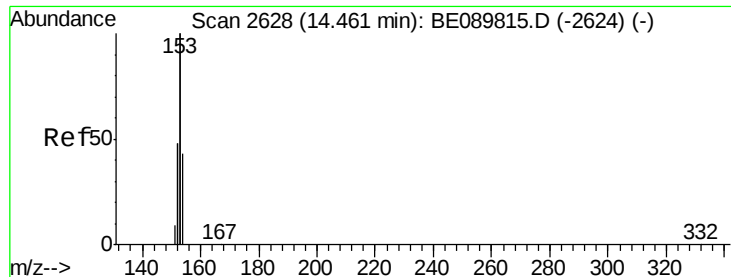
Tgt Ion:172 Resp: 113031
Ion Ratio Lower Upper
172 100
171 34.7 30.8 46.2
170 22.5 21.0 31.4



#10
Acenaphthylene
Concen: 1.07 ng
RT: 14.04 min Scan# 2590
Delta R.T. -0.00 min
Lab File: BE089840.D
Acq: 25 Mar 2015 16:37

Tgt Ion:152 Resp: 679441
Ion Ratio Lower Upper
152 100
151 5.0 3.9 5.9
153 12.9 11.0 16.4





#11

Acenaphthene

Concen: 1.04 ng

RT: 14.46 min Scan# 2628

Delta R.T. -0.00 min

Lab File: BE089840.D

Acq: 25 Mar 2015 16:37

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

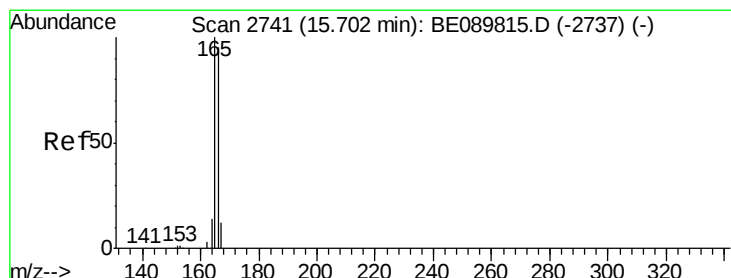
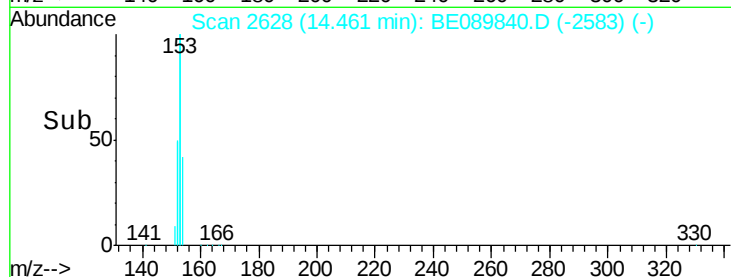
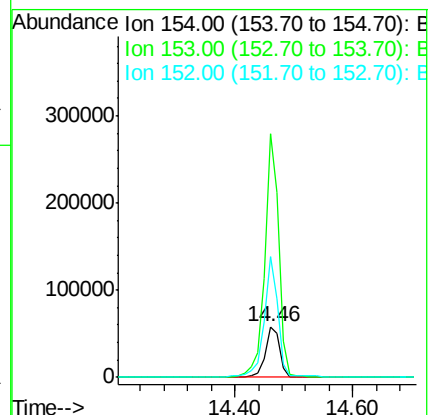
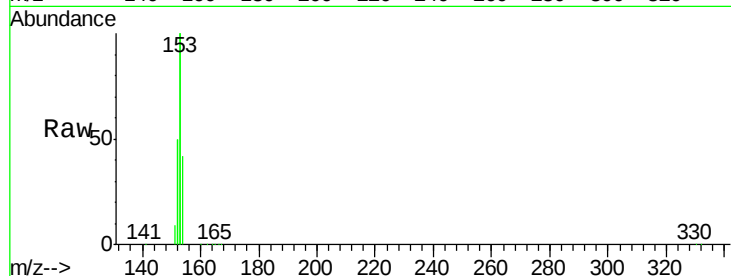
Tgt Ion:154 Resp: 101128

Ion Ratio Lower Upper

154 100

153 458.3 401.5 602.3

152 221.0 198.6 298.0



#12

Fluorene

Concen: 1.02 ng

RT: 15.71 min Scan# 2742

Delta R.T. -0.00 min

Lab File: BE089840.D

Acq: 25 Mar 2015 16:37

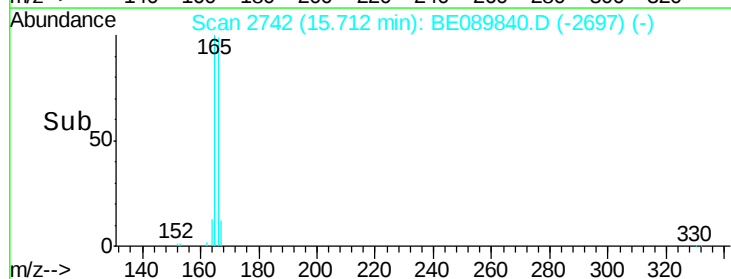
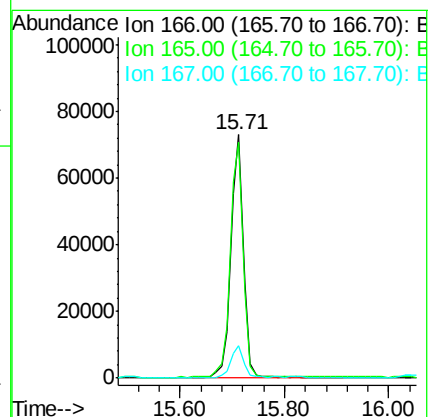
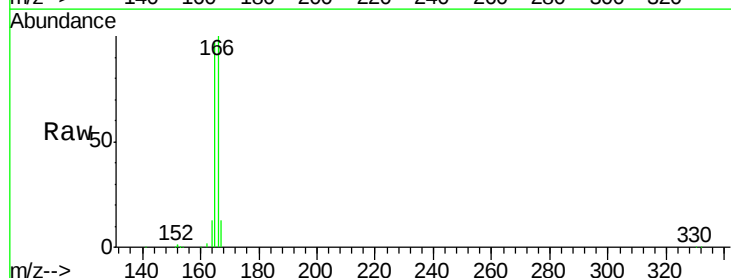
Tgt Ion:166 Resp: 120528

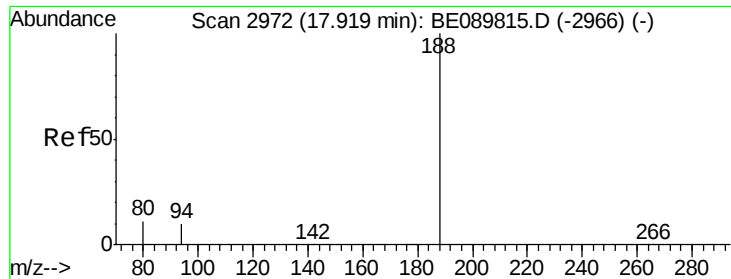
Ion Ratio Lower Upper

166 100

165 99.4 85.1 127.7

167 13.2 12.2 18.4

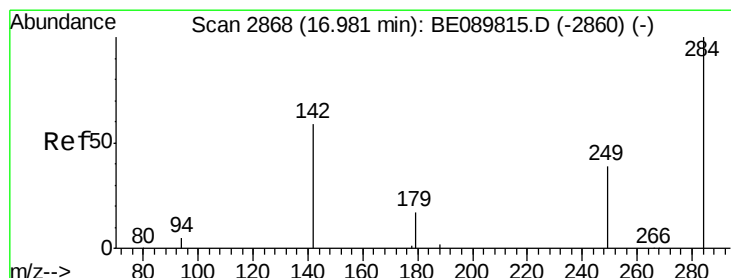
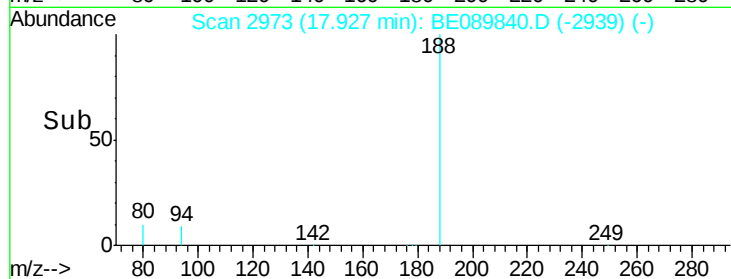
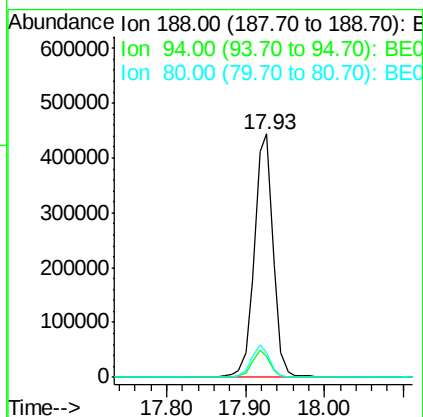
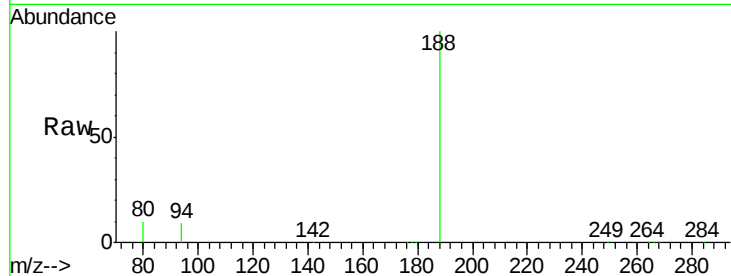




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.93 min Scan# 2973
Delta R.T. 0.01 min
Lab File: BE089840.D
Acq: 25 Mar 2015 16:37

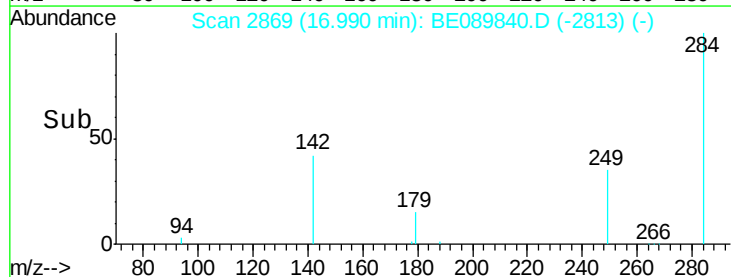
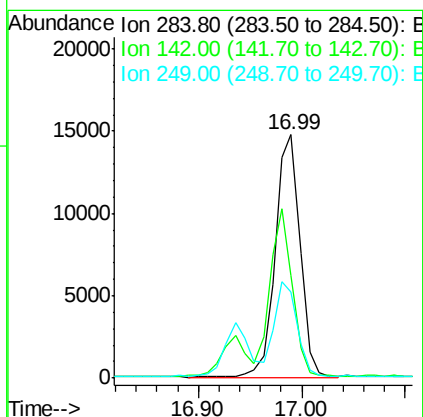
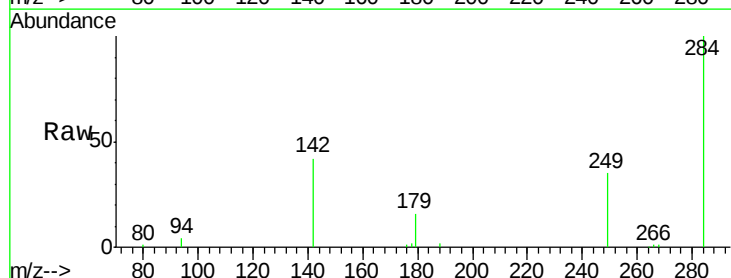
Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

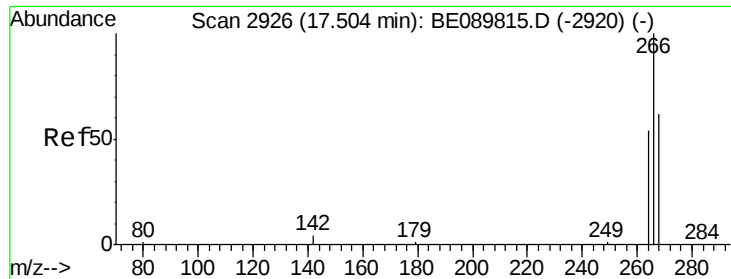
Tgt Ion:188 Resp: 739708
Ion Ratio Lower Upper
188 100
94 8.6 8.5 12.7
80 10.0 10.0 15.0#



#14
Hexachlorobenzene
Concen: 0.99 ng
RT: 16.99 min Scan# 2869
Delta R.T. 0.01 min
Lab File: BE089840.D
Acq: 25 Mar 2015 16:37

Tgt Ion:284 Resp: 24440
Ion Ratio Lower Upper
284 100
142 62.2 53.3 79.9
249 35.7 31.1 46.7

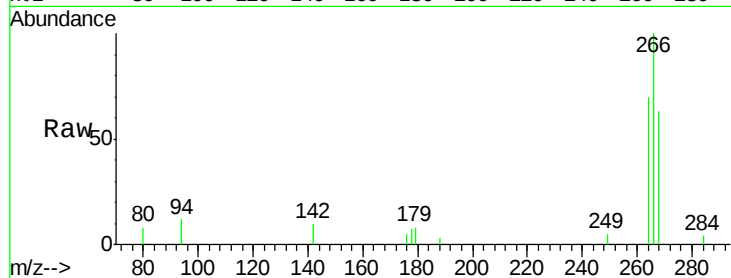




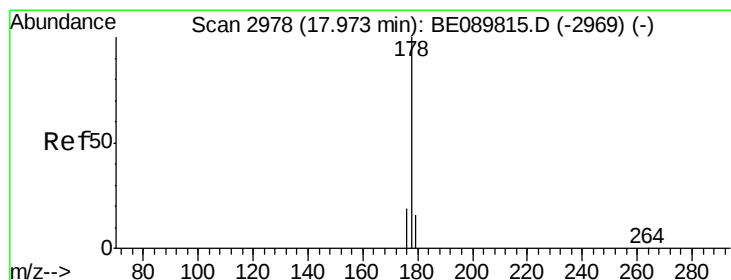
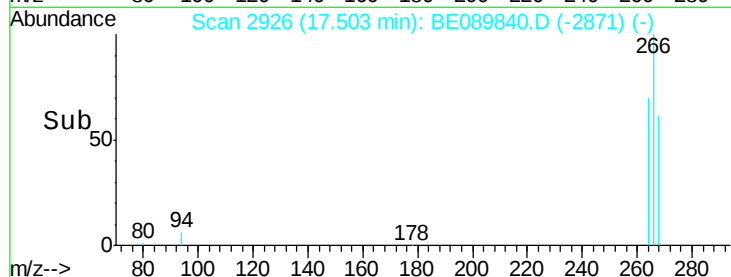
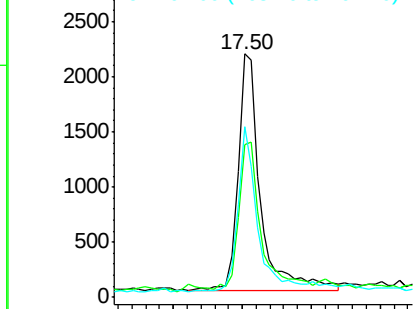
#15
 Pentachlorophenol
 Concen: 0.65 ng
 RT: 17.50 min Scan# 2926
 Delta R.T. -0.00 min
 Lab File: BE089840.D
 Acq: 25 Mar 2015 16:37

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion: 266 Resp: 4688
 Ion Ratio Lower Upper
 266 100
 268 62.9 51.6 77.4
 264 70.3 50.2 75.2

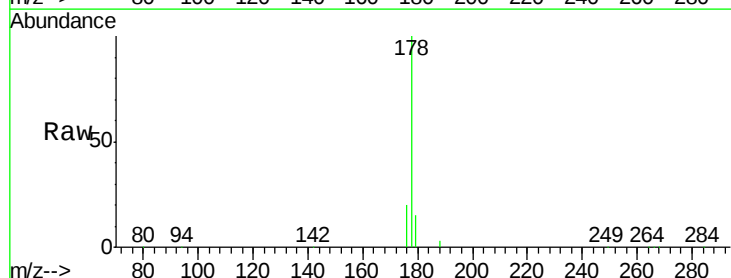


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

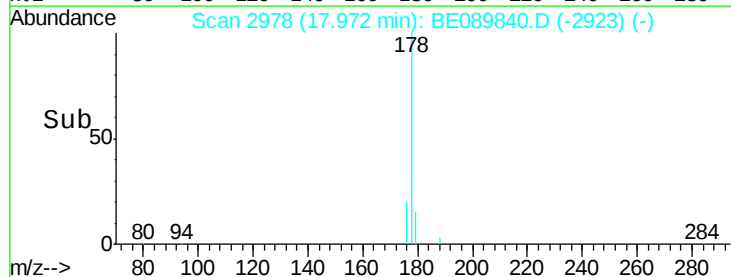
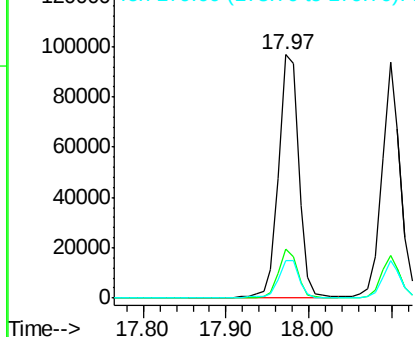


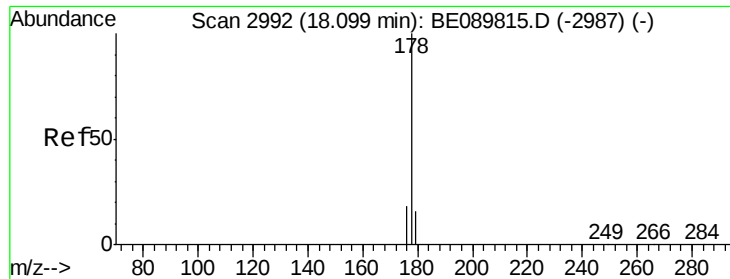
#16
 Phenanthrene
 Concen: 1.00 ng
 RT: 17.97 min Scan# 2978
 Delta R.T. -0.00 min
 Lab File: BE089840.D
 Acq: 25 Mar 2015 16:37

Tgt Ion: 178 Resp: 163339
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.0
 179 15.8 12.2 18.4



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





#17

Anthracene

Concen: 1.03 ng

RT: 18.10 min Scan# 2992

Delta R.T. -0.00 min

Lab File: BE089840.D

Acq: 25 Mar 2015 16:37

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

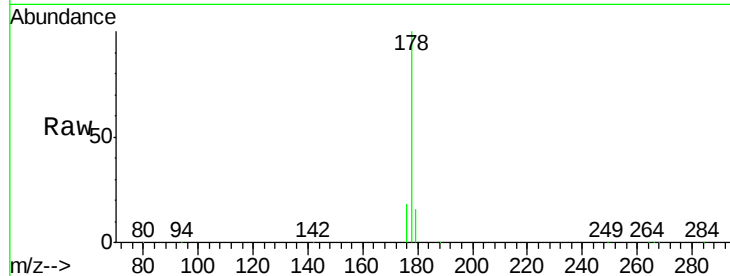
Tgt Ion:178 Resp: 149248

Ion Ratio Lower Upper

178 100

176 18.0 14.6 21.8

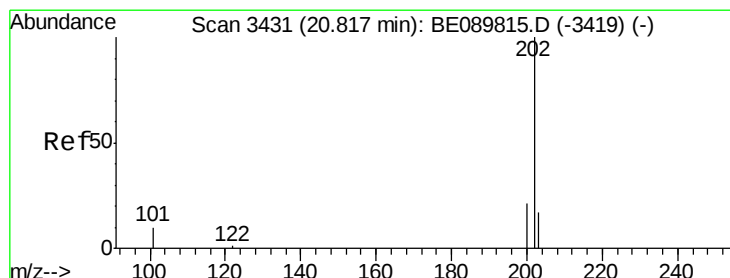
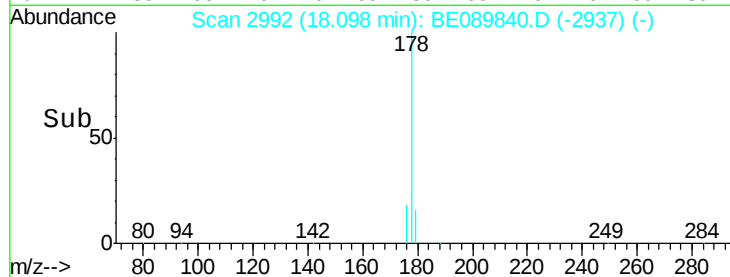
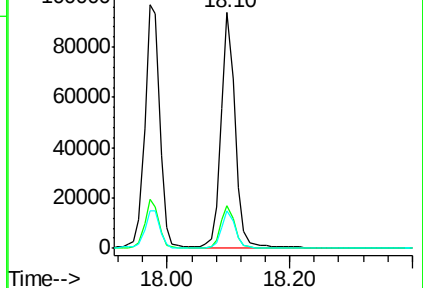
179 15.2 12.1 18.1



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: 1.07 ng

RT: 20.82 min Scan# 3432

Delta R.T. -0.00 min

Lab File: BE089840.D

Acq: 25 Mar 2015 16:37

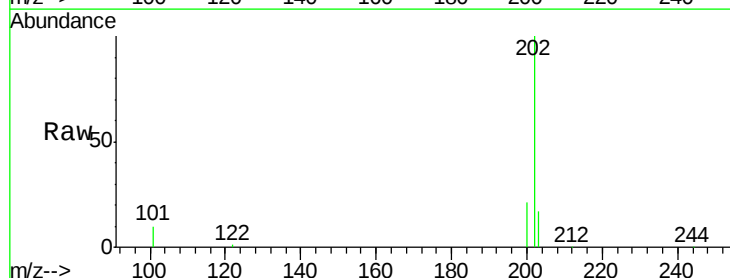
Tgt Ion:202 Resp: 157028

Ion Ratio Lower Upper

202 100

101 10.0 8.2 12.2

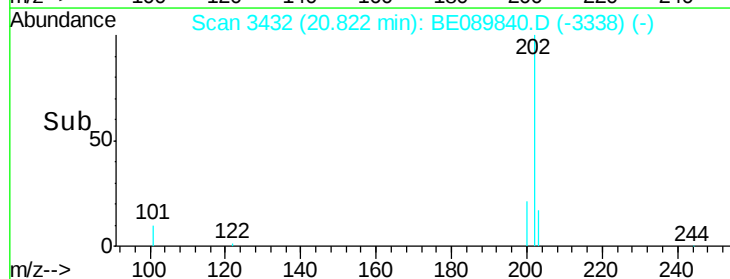
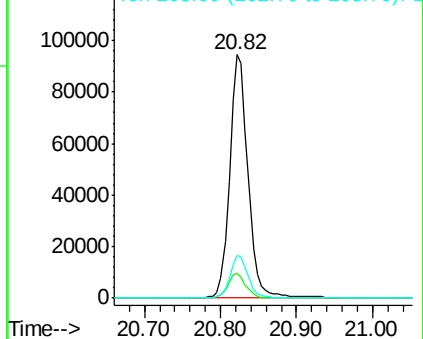
203 17.3 14.2 21.4

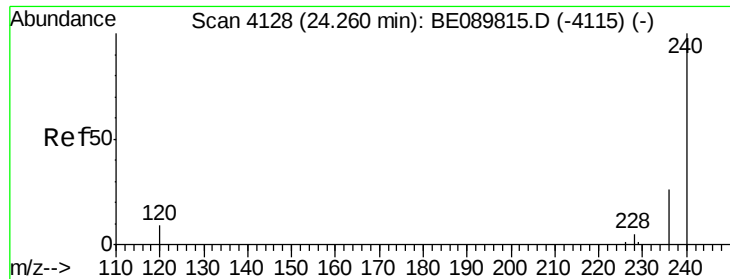


Abundance Ion 202.00 (201.70 to 202.70): E

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: 24.26 min Scan# 4129

Delta R.T. 0.00 min

Lab File: BE089840.D

Acq: 25 Mar 2015 16:37

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

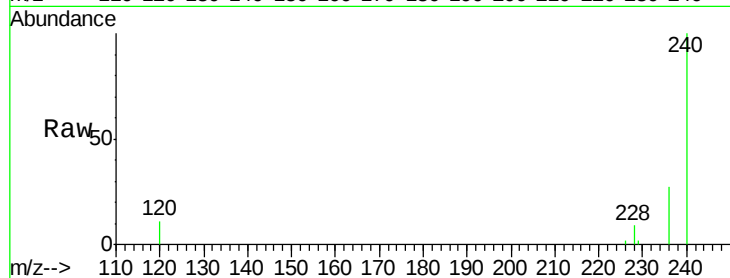
Tgt Ion:240 Resp: 653864

Ion Ratio Lower Upper

240 100

120 11.0 7.5 11.3

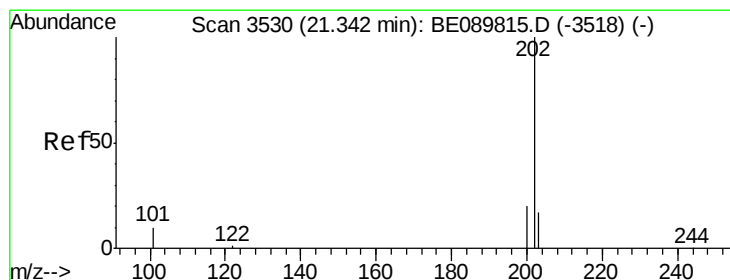
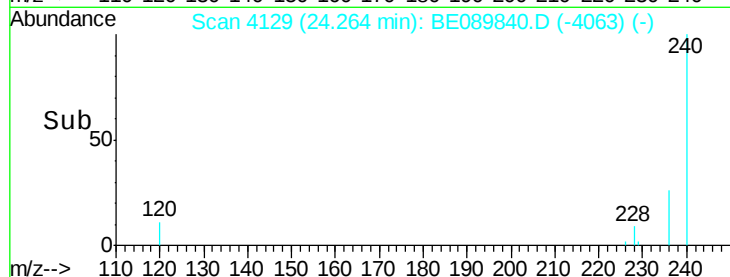
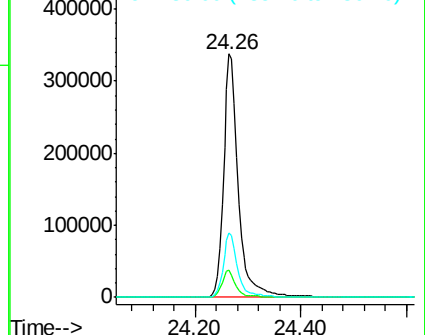
236 26.5 20.5 30.7



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: 0.98 ng

RT: 21.35 min Scan# 3531

Delta R.T. -0.00 min

Lab File: BE089840.D

Acq: 25 Mar 2015 16:37

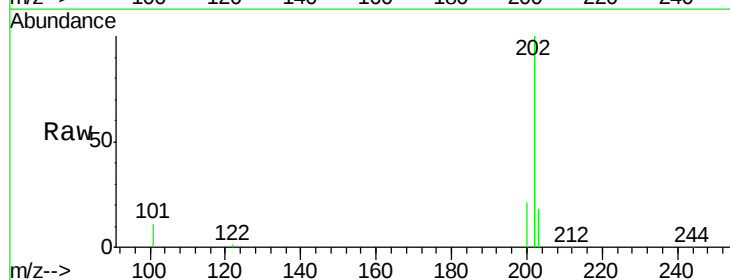
Tgt Ion:202 Resp: 161748

Ion Ratio Lower Upper

202 100

200 20.9 15.9 23.9

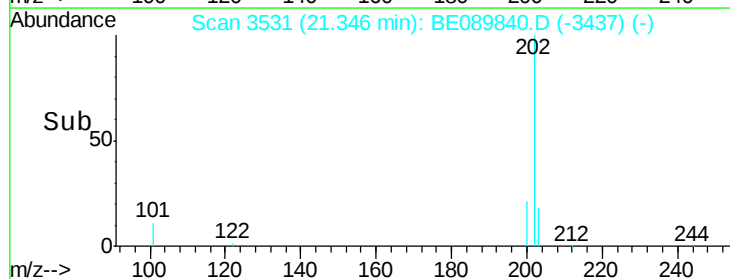
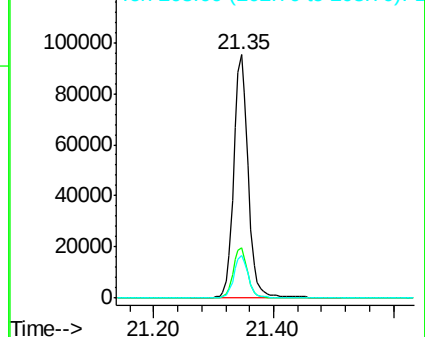
203 17.6 13.6 20.4

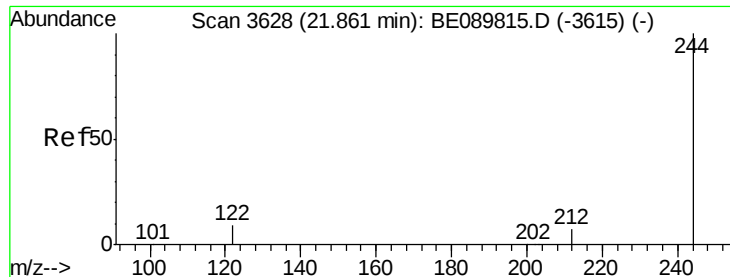


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 0.99 ng

RT: 21.87 min Scan# 3629

Delta R.T. 0.01 min

Lab File: BE089840.D

Acq: 25 Mar 2015 16:37

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

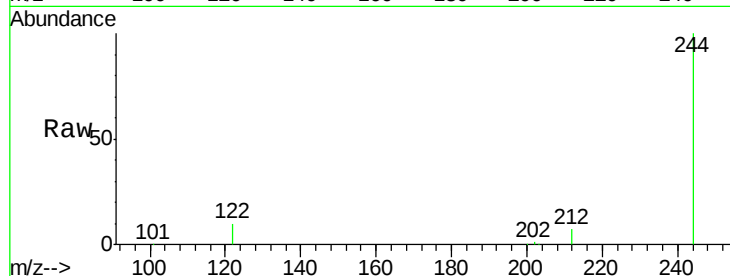
Tgt Ion:244 Resp: 95601

Ion Ratio Lower Upper

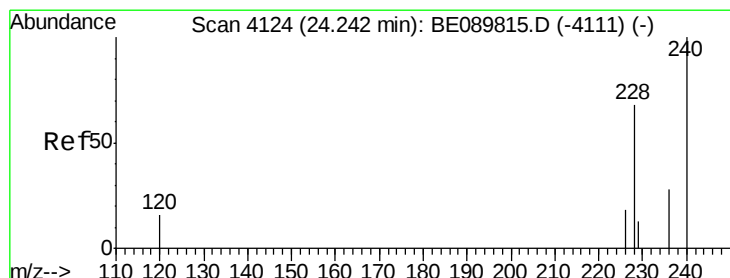
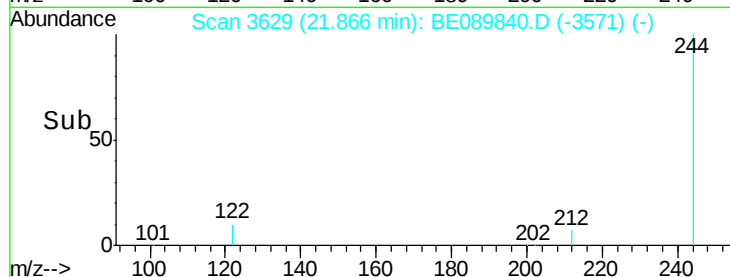
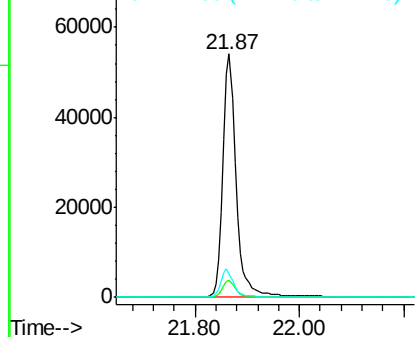
244 100

212 7.2 7.3 10.9#

122 9.9 10.5 15.7#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#22

Benzo(a)anthracene

Concen: 0.99 ng

RT: 24.25 min Scan# 4126

Delta R.T. 0.00 min

Lab File: BE089840.D

Acq: 25 Mar 2015 16:37

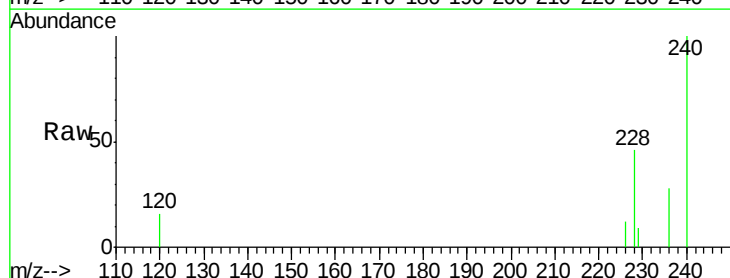
Tgt Ion:228 Resp: 121141

Ion Ratio Lower Upper

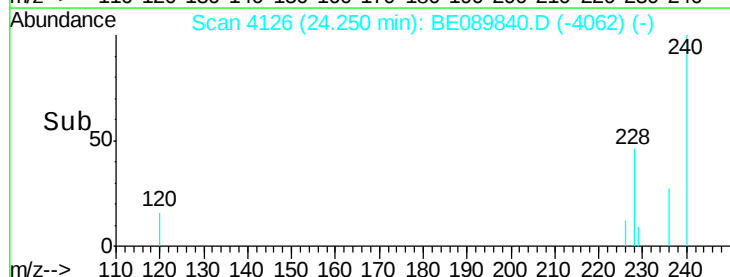
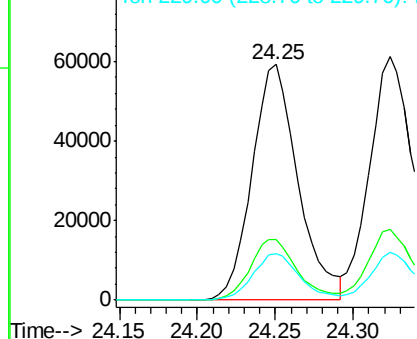
228 100

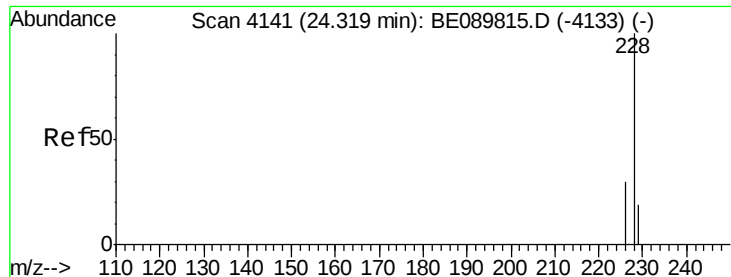
226 25.6 19.8 29.8

229 20.0 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 1.05 ng

RT: 24.32 min Scan# 4142

Delta R.T. 0.01 min

Lab File: BE089840.D

Acq: 25 Mar 2015 16:37

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

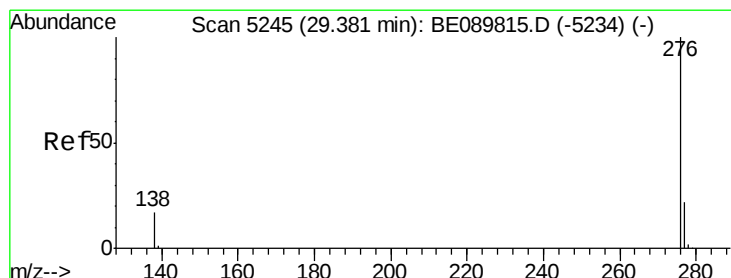
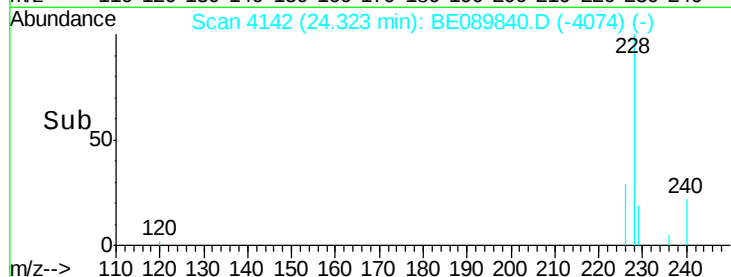
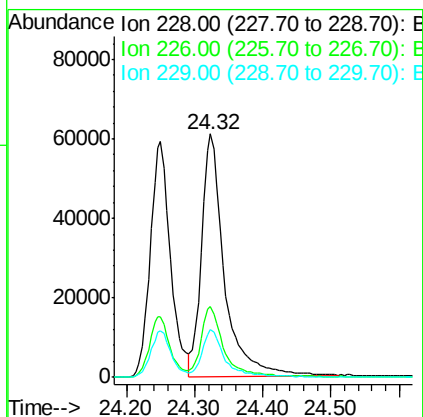
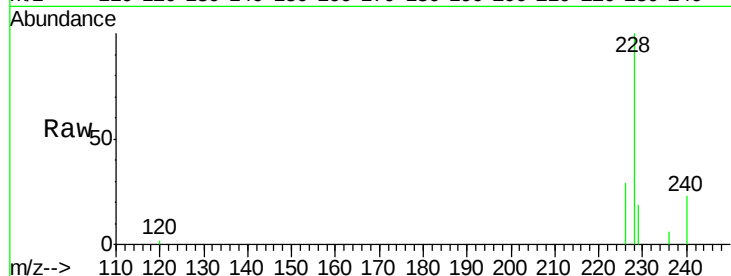
Tgt Ion:228 Resp: 140675

Ion Ratio Lower Upper

228 100

226 29.2 23.0 34.4

229 19.5 15.8 23.6



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.96 ng m

RT: 29.39 min Scan# 5247

Delta R.T. 0.01 min

Lab File: BE089840.D

Acq: 25 Mar 2015 16:37

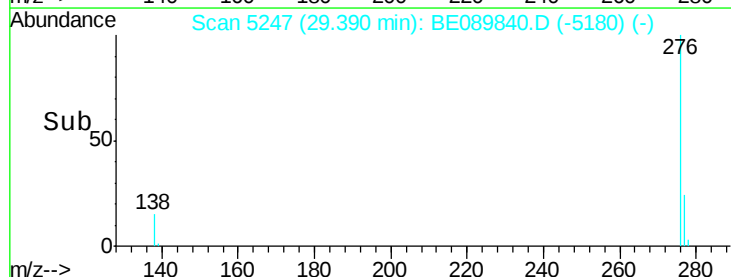
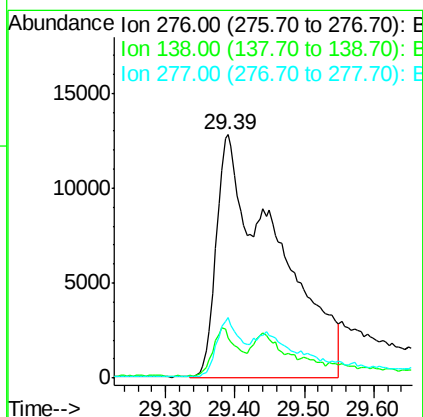
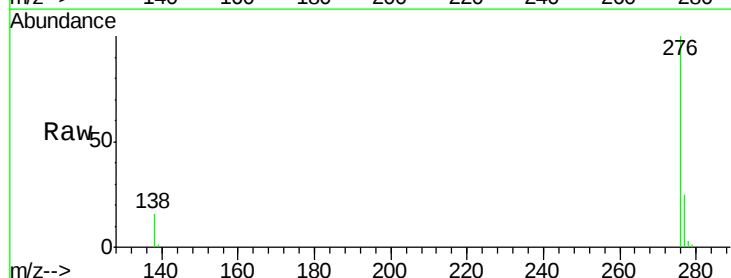
Tgt Ion:276 Resp: 77162

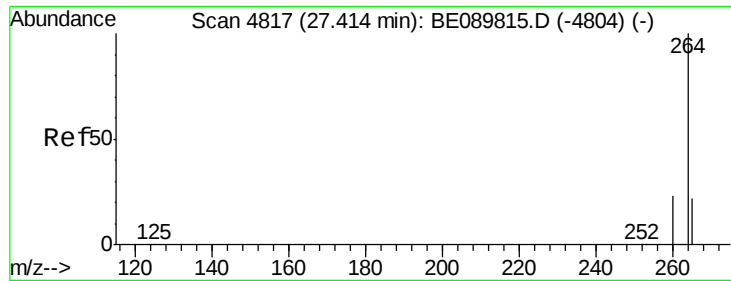
Ion Ratio Lower Upper

276 100

138 8.2 4.3 6.5#

277 10.2 9.0 13.4

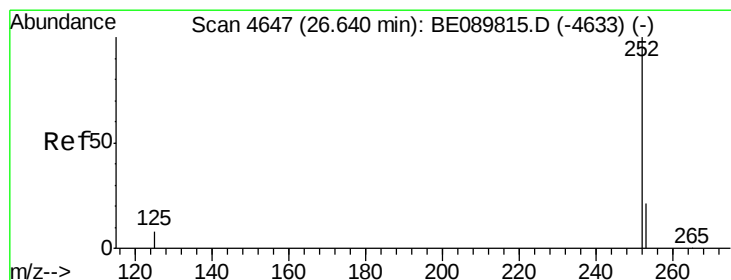
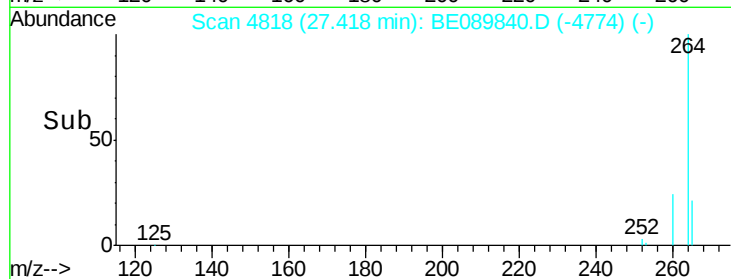
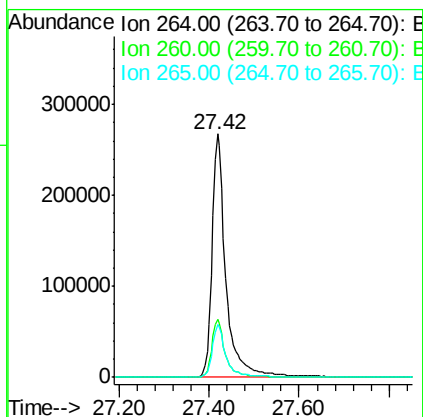
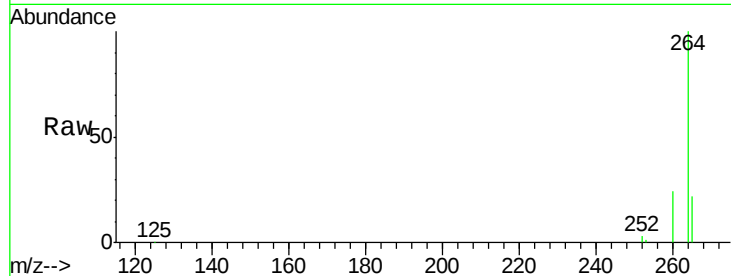




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 27.42 min Scan# 4818
 Delta R.T. 0.00 min
 Lab File: BE089840.D
 Acq: 25 Mar 2015 16:37

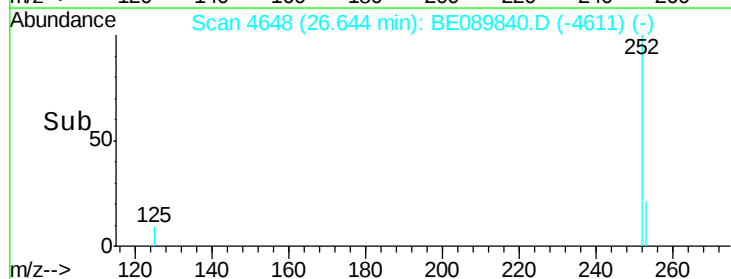
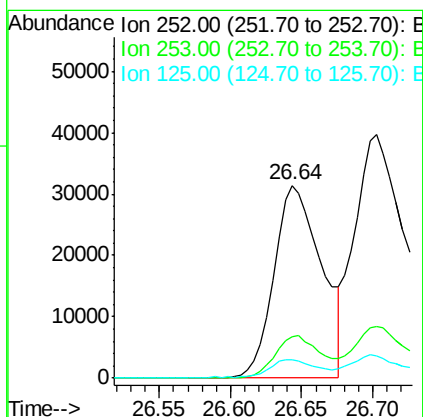
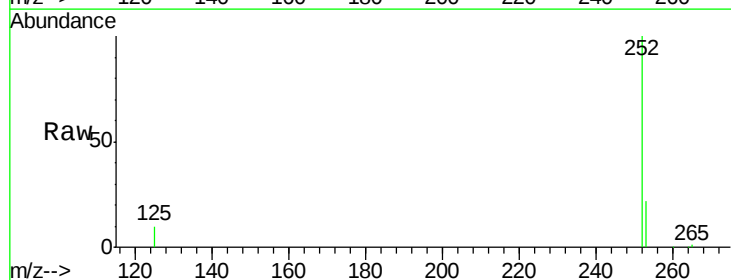
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

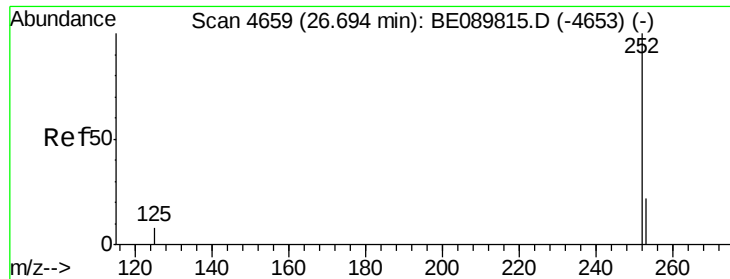
Tgt Ion: 264 Resp: 573563
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.2 27.2
 265 21.6 17.3 25.9



#26
 Benzo(b)fluoranthene
 Concen: 0.87 ng
 RT: 26.64 min Scan# 4648
 Delta R.T. 0.01 min
 Lab File: BE089840.D
 Acq: 25 Mar 2015 16:37

Tgt Ion: 252 Resp: 72223
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.8 26.6
 125 9.6 8.7 13.1





#27

Benzo(k)fluoranthene

Concen: 1.13 ng

RT: 26.70 min Scan# 4661

Delta R.T. 0.00 min

Lab File: BE089840.D

Acq: 25 Mar 2015 16:37

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

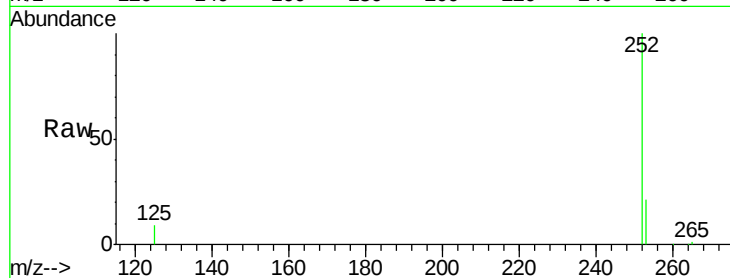
Tgt Ion:252 Resp: 132993

Ion Ratio Lower Upper

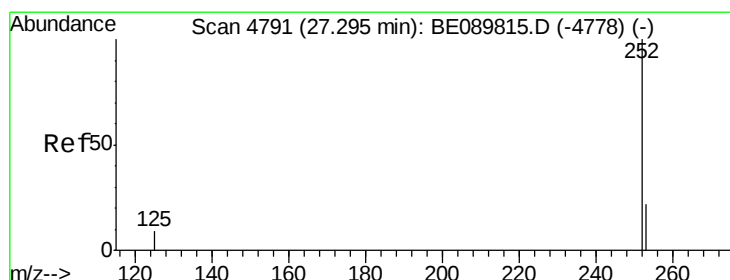
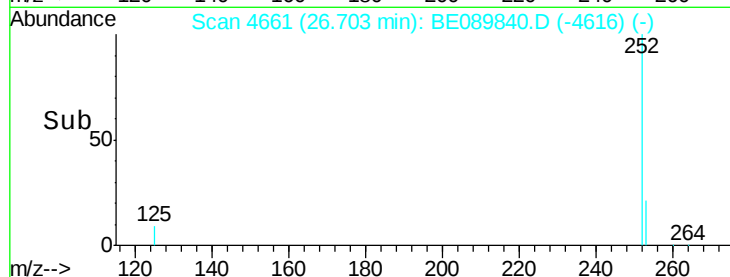
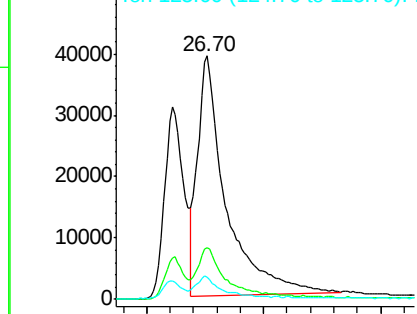
252 100

253 21.1 18.6 28.0

125 9.1 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: 0.92 ng

RT: 27.30 min Scan# 4792

Delta R.T. -0.00 min

Lab File: BE089840.D

Acq: 25 Mar 2015 16:37

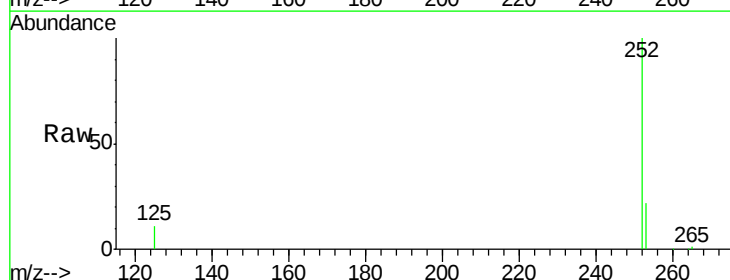
Tgt Ion:252 Resp: 74958

Ion Ratio Lower Upper

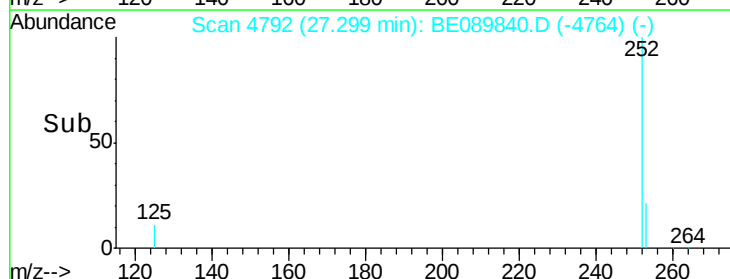
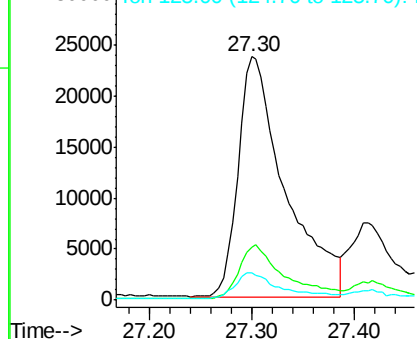
252 100

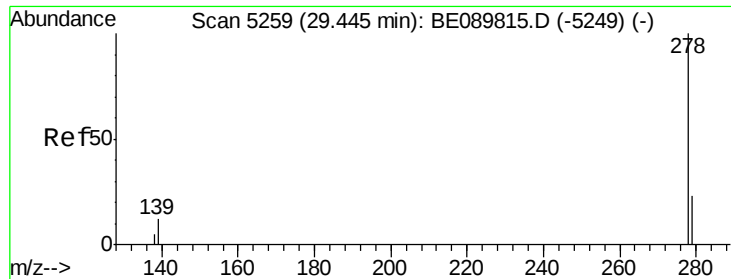
253 21.7 21.0 31.4

125 11.3 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: 0.87 ng

RT: 29.44 min Scan# 5259

Delta R.T. 0.00 min

Lab File: BE089840.D

Acq: 25 Mar 2015 16:37

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

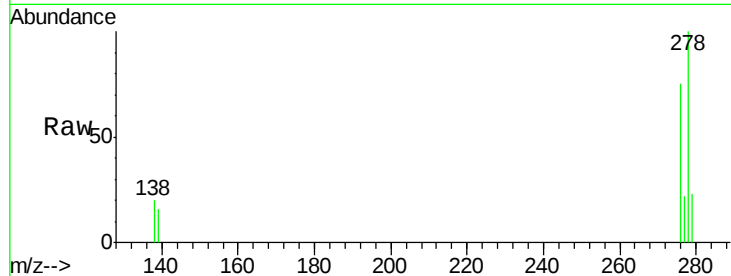
Tgt Ion:278 Resp: 52250

Ion Ratio Lower Upper

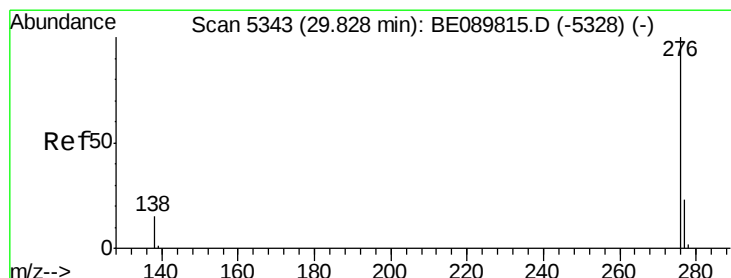
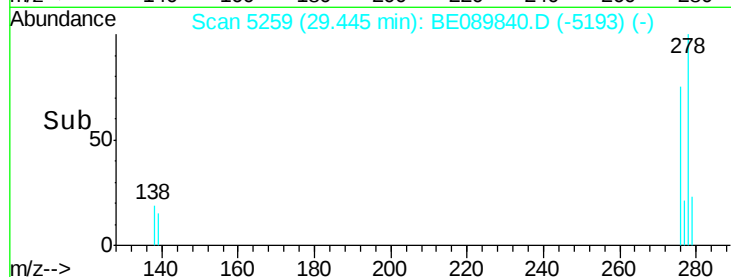
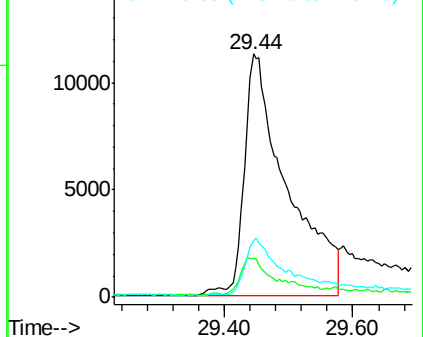
278 100

139 16.2 20.0 30.0#

279 23.3 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: 1.04 ng

RT: 29.83 min Scan# 5344

Delta R.T. 0.01 min

Lab File: BE089840.D

Acq: 25 Mar 2015 16:37

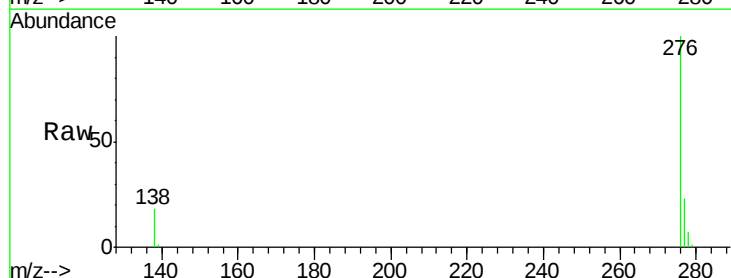
Tgt Ion:276 Resp: 98553

Ion Ratio Lower Upper

276 100

277 23.2 19.2 28.8

138 17.7 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

