

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
 Data File : BE089824.D
 Acq On : 24 Mar 2015 21:35
 Operator : TP/JJ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

Quant Time: Mar 25 02:33:37 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 24 18:03:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	190424	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	778832	5.00	ng	0.00
8) Acenaphthene-d10	14.39	164	357030	5.00	ng	0.00
13) Phenanthrene-d10	17.92	188	606179	5.00	ng	0.00
19) Chrysene-d12	24.26	240	558898	5.00	ng	0.00
25) Perylene-d12	27.42	264	495119	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	54108	1.18	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	86240	1.03	ng	0.00
21) Terphenyl-d14	21.86	244	78347	0.95	ng	0.00

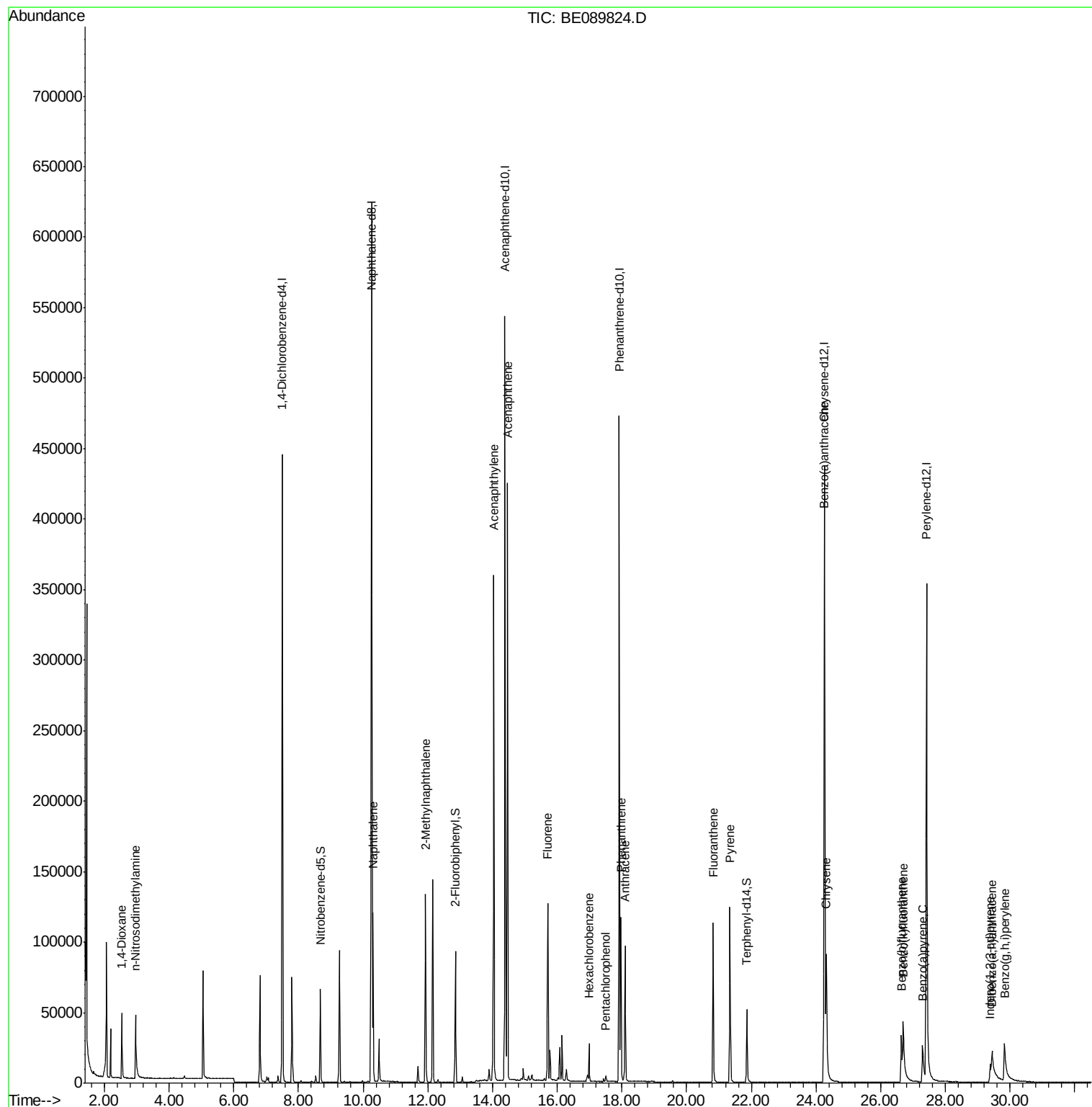
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.54	88	24262	0.99	ng	# 87
3) n-Nitrosodimethylamine	2.96	42	37333	1.03	ng	# 88
6) Naphthalene	10.31	128	150893	0.98	ng	95
7) 2-Methylnaphthalene	11.93	142	90270	1.06	ng	98
10) Acenaphthylene	14.03	152	529371	1.04	ng	99
11) Acenaphthene	14.46	154	79143	1.01	ng	85
12) Fluorene	15.70	166	94949	1.00	ng	94
14) Hexachlorobenzene	16.98	284	19389	0.96	ng	97
15) Pentachlorophenol	17.50	266	4059	0.71	ng	96
16) Phenanthrene	17.97	178	133235	1.00	ng	99
17) Anthracene	18.10	178	122390	1.03	ng	100
18) Fluoranthene	20.82	202	130900	1.09	ng	99
20) Pyrene	21.34	202	136074	0.96	ng	99
22) Benzo(a)anthracene	24.24	228	102146	0.98	ng	98
23) Chrysene	24.32	228	119374	1.05	ng	99
24) Indeno(1,2,3-cd)pyrene	29.38	276	22585	0.61	ng	# 65
26) Benzo(b)fluoranthene	26.64	252	57010	0.82	ng	98
27) Benzo(k)fluoranthene	26.70	252	116585	1.15	ng	# 94
28) Benzo(a)pyrene	27.30	252	61921	0.89	ng	# 89
29) Dibenzo(a,h)anthracene	29.44	278	48096	0.90	ng	# 80
30) Benzo(g,h,i)perylene	29.83	276	78888	0.98	ng	# 88

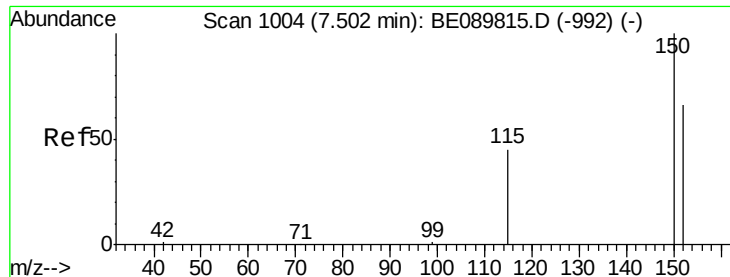
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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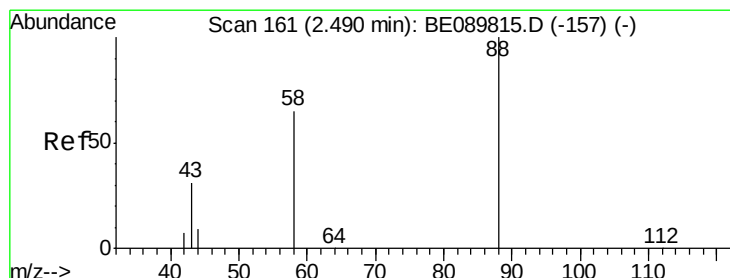
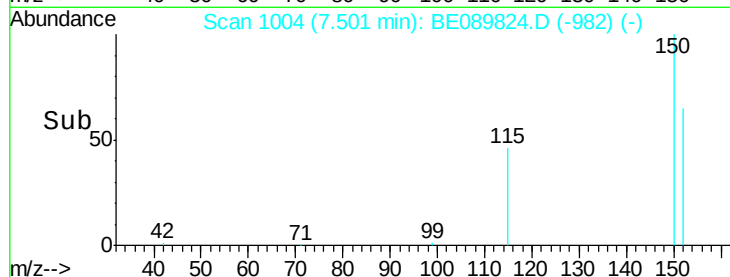
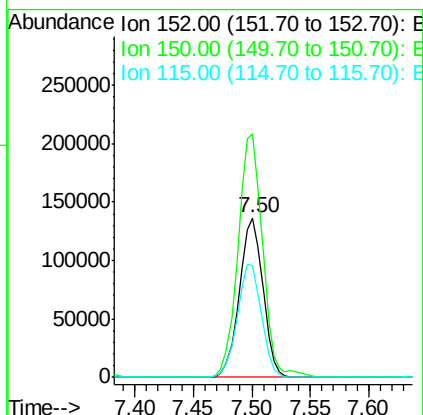
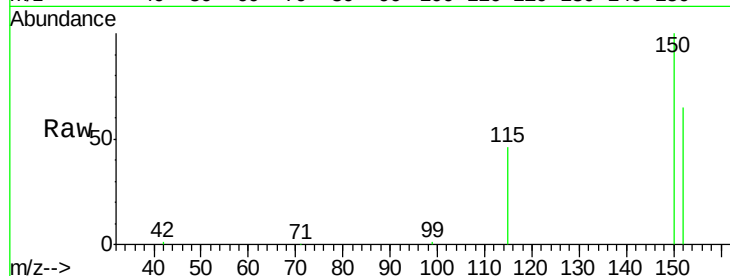




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.50 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BE089824.D
 Acq: 24 Mar 2015 21:35

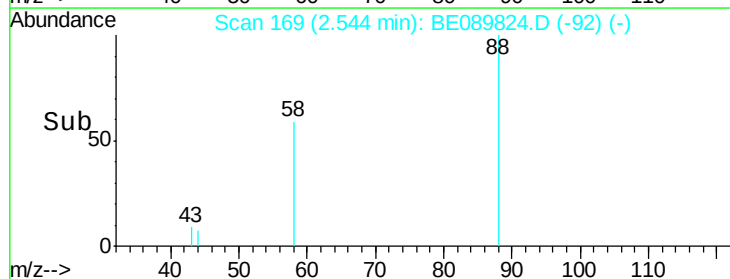
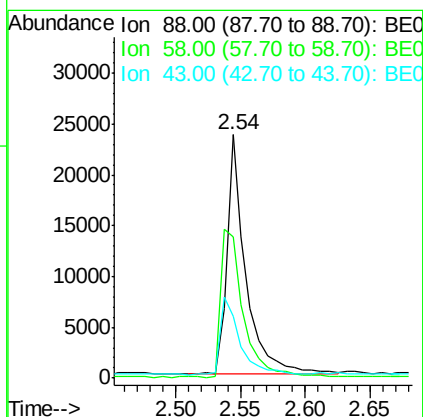
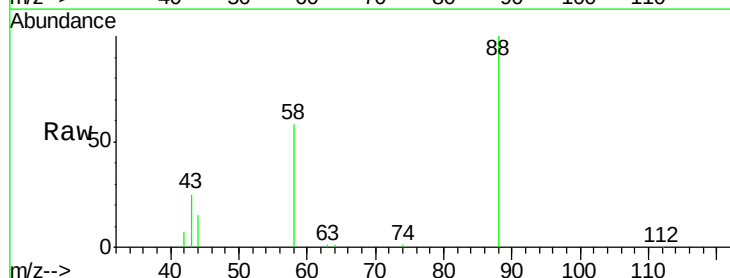
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

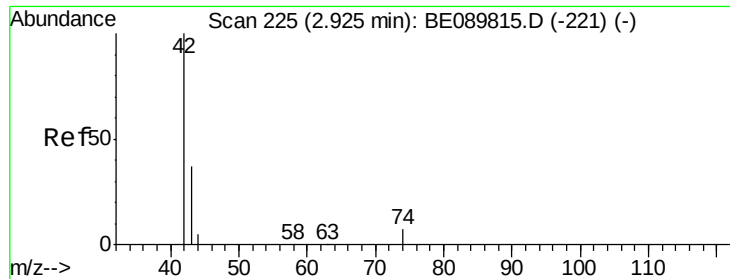
Tgt Ion: 152 Resp: 190424
 Ion Ratio Lower Upper
 152 100
 150 152.9 125.5 188.3
 115 70.2 58.0 87.0



#2
 1,4-Dioxane
 Concen: 0.99 ng
 RT: 2.54 min Scan# 169
 Delta R.T. 0.02 min
 Lab File: BE089824.D
 Acq: 24 Mar 2015 21:35

Tgt Ion: 88 Resp: 24262
 Ion Ratio Lower Upper
 88 100
 58 74.2 48.6 72.8#
 43 33.5 28.6 43.0





#3

n-Nitrosodimethylamine

Concen: 1.03 ng

RT: 2.96 min Scan# 230

Delta R.T. -0.03 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001EC

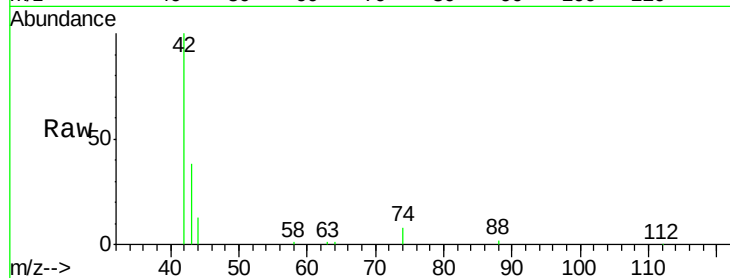
Tgt Ion: 42 Resp: 37333

Ion Ratio Lower Upper

42 100

74 97.2 68.7 103.1

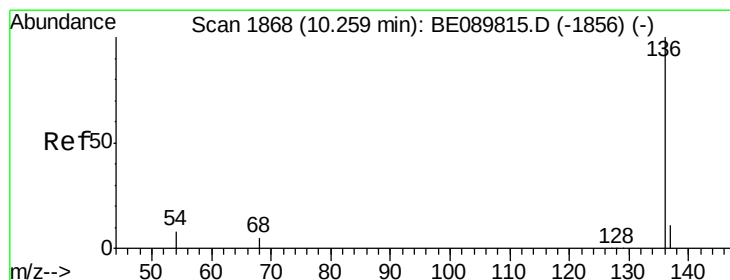
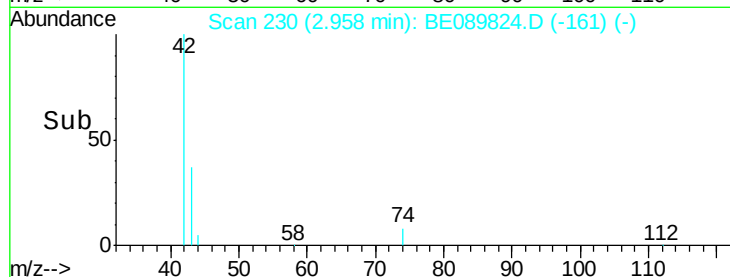
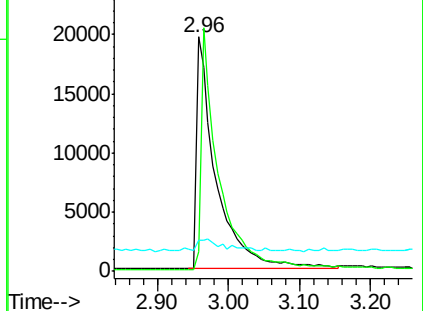
44 5.7 6.2 9.4#



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: 10.26 min Scan# 1868

Delta R.T. 0.00 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

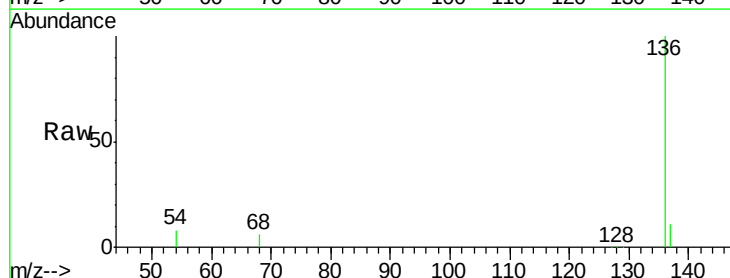
Tgt Ion: 136 Resp: 778832

Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

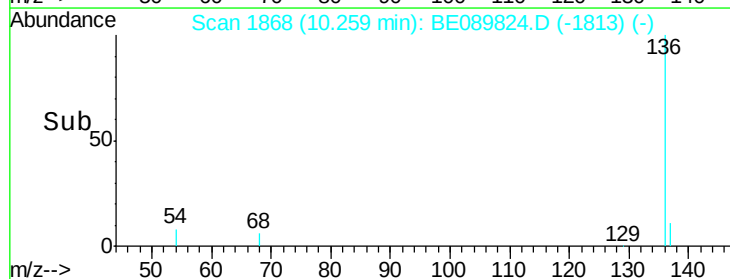
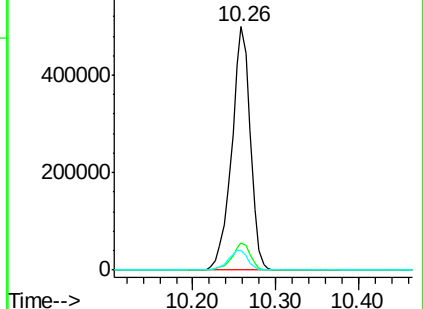
54 8.3 7.0 10.4

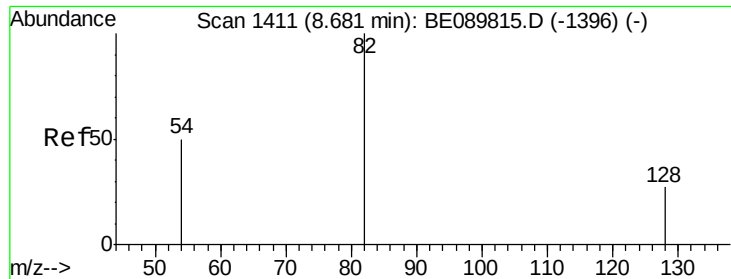


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 1.18 ng

RT: 8.68 min Scan# 1411

Delta R.T. -0.00 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001EC

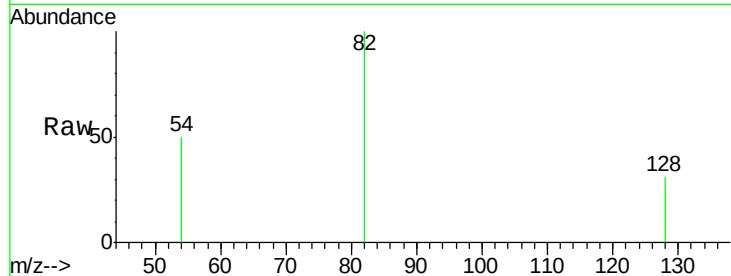
Tgt Ion: 82 Resp: 54108

Ion Ratio Lower Upper

82 100

128 30.9 24.6 37.0

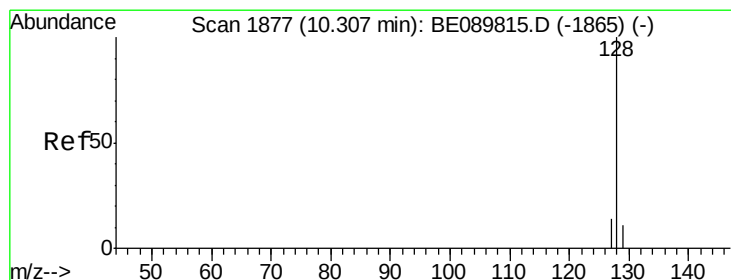
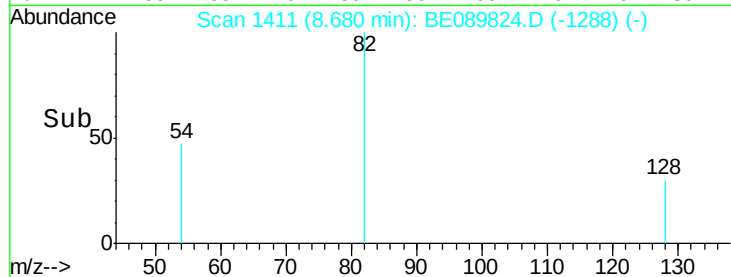
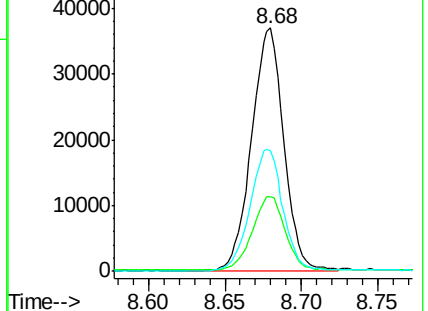
54 49.6 43.0 64.6



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: 0.98 ng

RT: 10.31 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

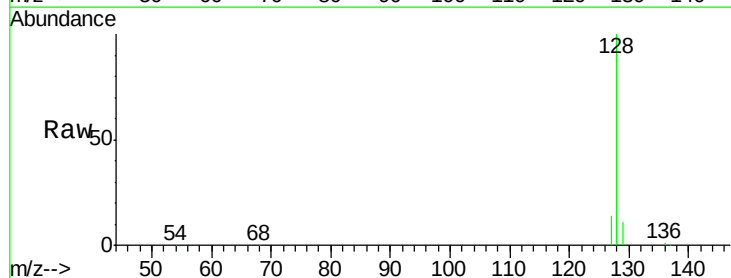
Tgt Ion: 128 Resp: 150893

Ion Ratio Lower Upper

128 100

129 10.8 10.0 15.0

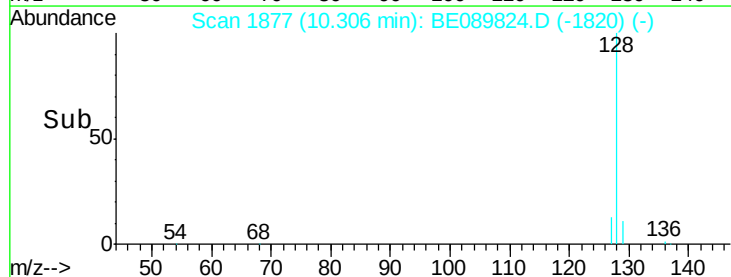
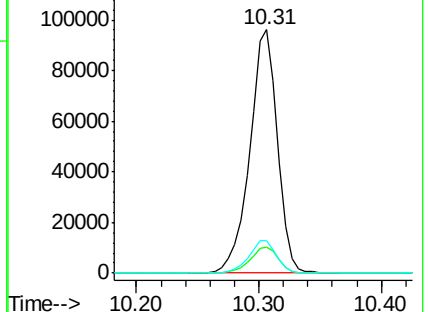
127 13.5 12.5 18.7

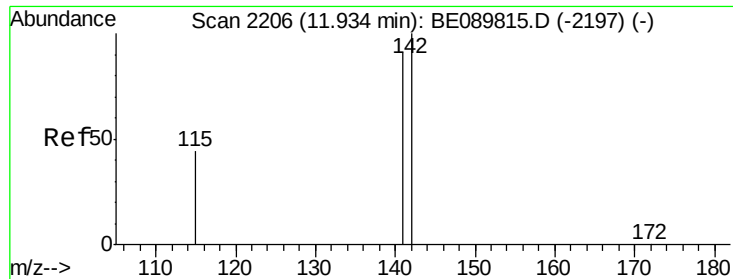


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 1.06 ng

RT: 11.93 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

Instrument :

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SSTDCCC001EC

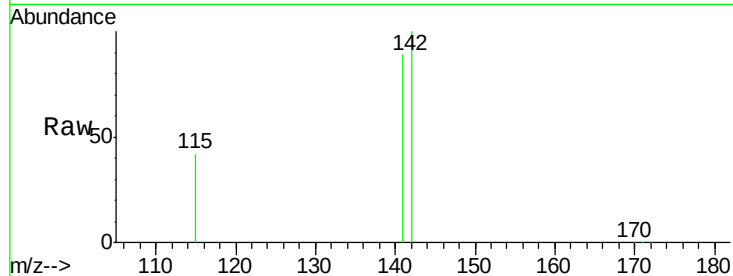
Tgt Ion:142 Resp: 90270

Ion Ratio Lower Upper

142 100

141 89.4 72.8 109.2

115 42.1 32.9 49.3

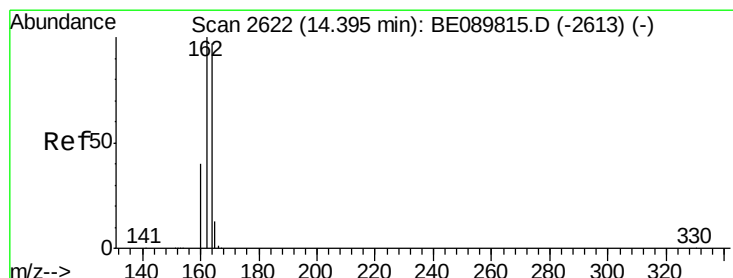
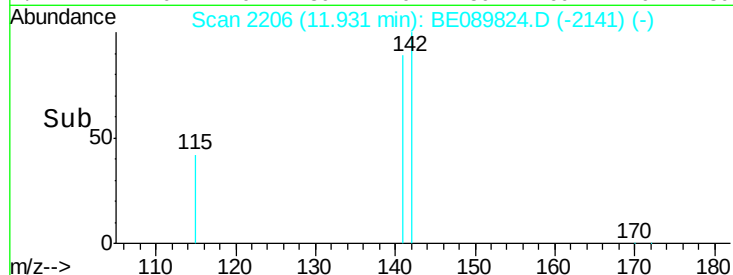
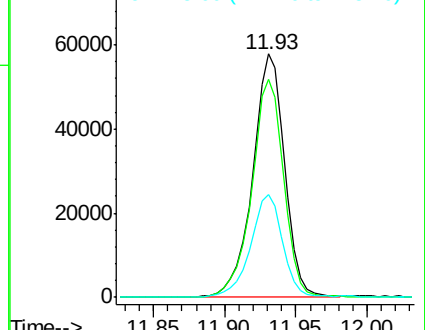


Abundance

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. -0.00 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

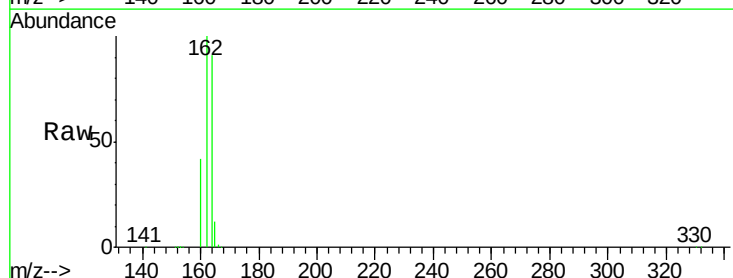
Tgt Ion:164 Resp: 357030

Ion Ratio Lower Upper

164 100

162 109.4 87.6 131.4

160 45.6 36.7 55.1

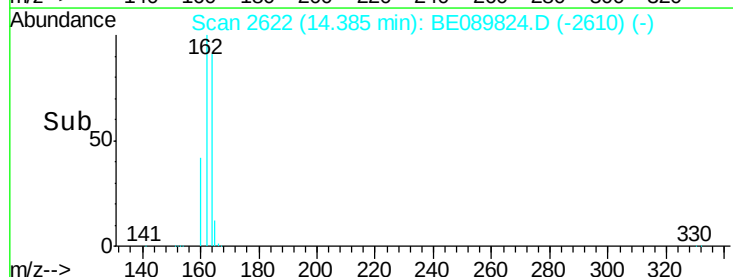
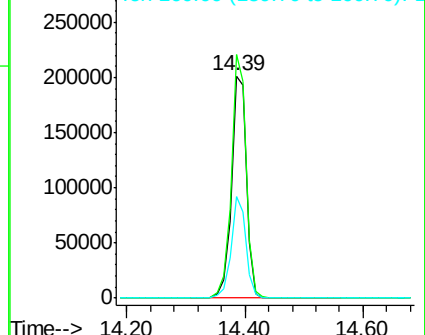


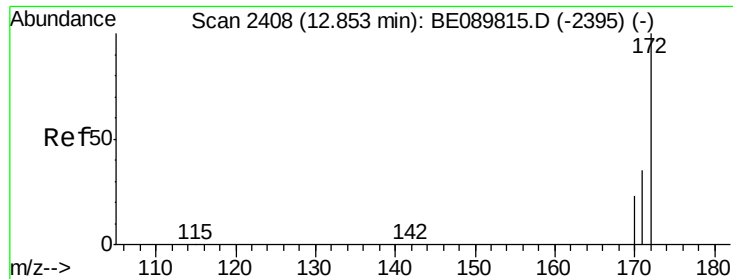
Abundance

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: 1.03 ng

RT: 12.85 min Scan# 2408

Delta R.T. -0.00 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

Instrument :

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ClientSampleId :

SSTDCCC001EC

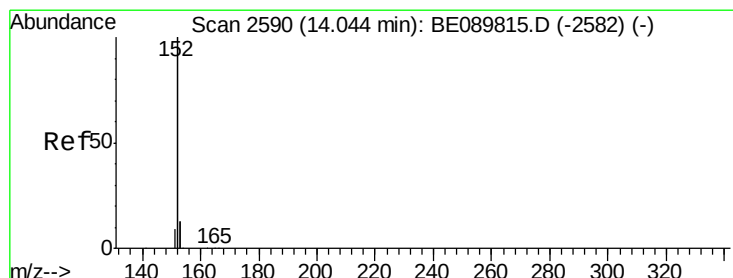
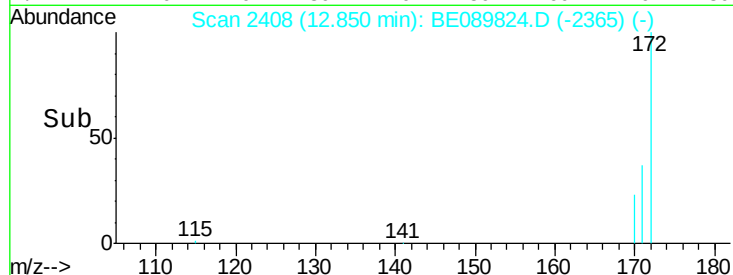
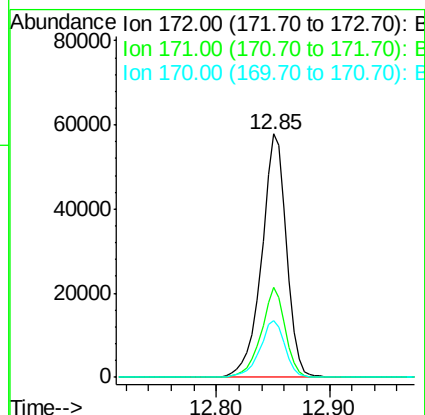
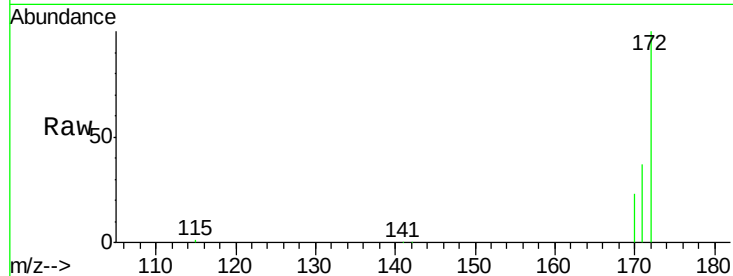
Tgt Ion:172 Resp: 86240

Ion Ratio Lower Upper

172 100

171 36.7 30.8 46.2

170 23.4 21.0 31.4



#10

Acenaphthylene

Concen: 1.04 ng

RT: 14.03 min Scan# 2590

Delta R.T. -0.01 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

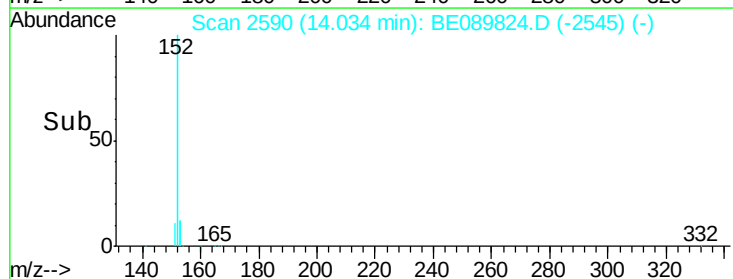
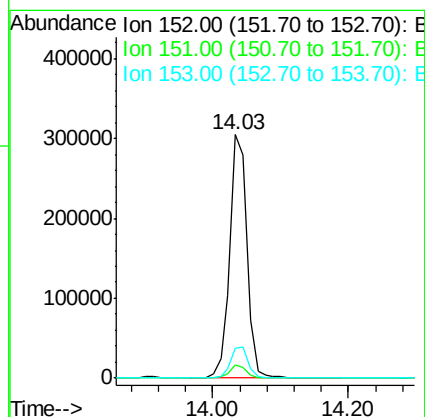
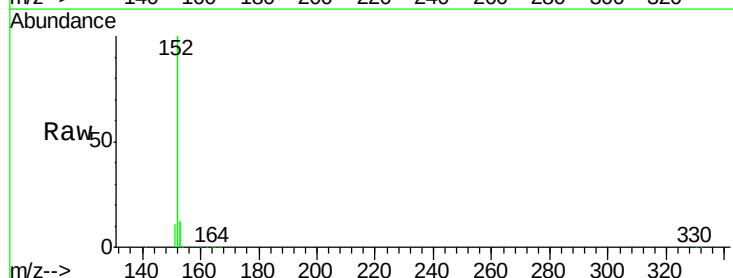
Tgt Ion:152 Resp: 529371

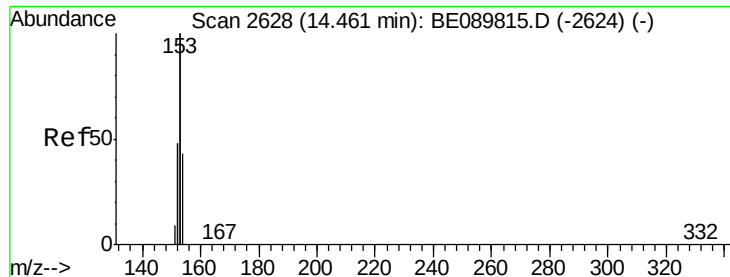
Ion Ratio Lower Upper

152 100

151 5.0 3.9 5.9

153 12.9 11.0 16.4





#11

Acenaphthene

Concen: 1.01 ng

RT: 14.46 min Scan# 2629

Delta R.T. -0.00 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001EC

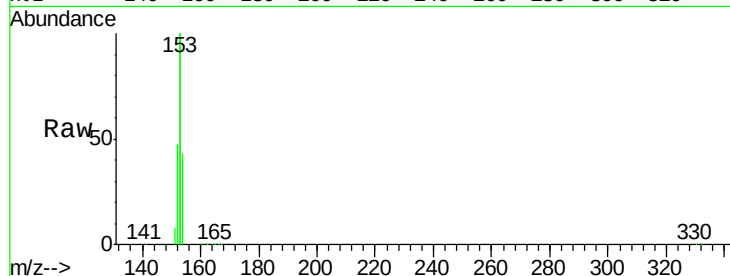
Tgt Ion:154 Resp: 79143

Ion Ratio Lower Upper

154 100

153 463.0 401.5 602.3

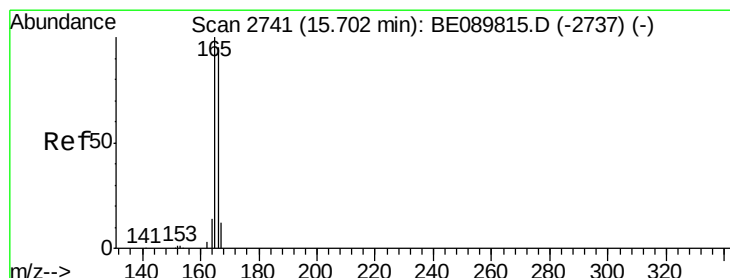
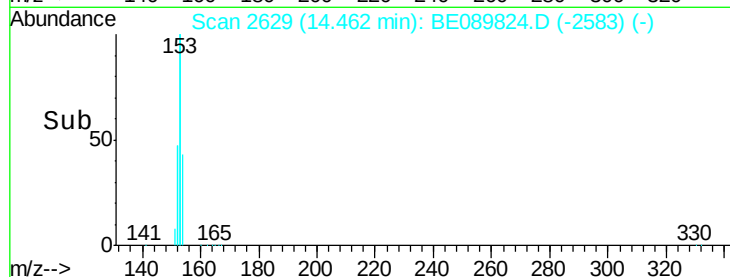
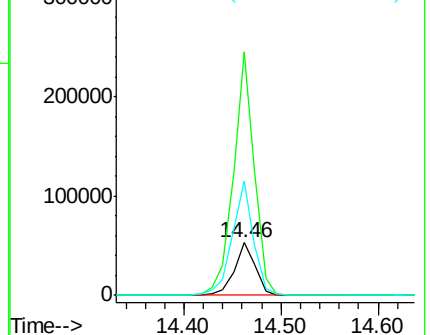
152 220.2 198.6 298.0



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: 1.00 ng

RT: 15.70 min Scan# 2742

Delta R.T. -0.01 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

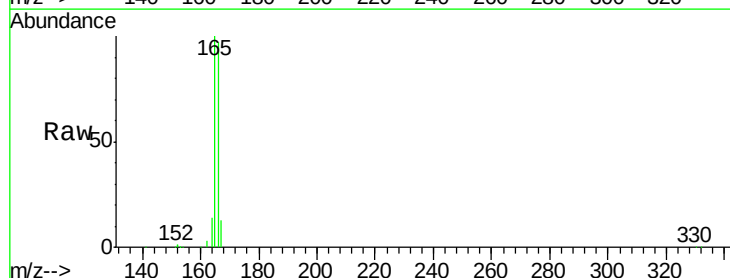
Tgt Ion:166 Resp: 94949

Ion Ratio Lower Upper

166 100

165 100.1 85.1 127.7

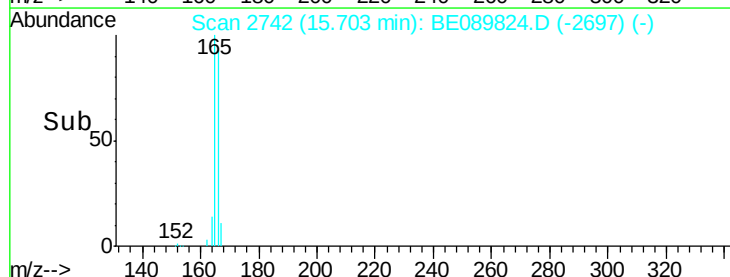
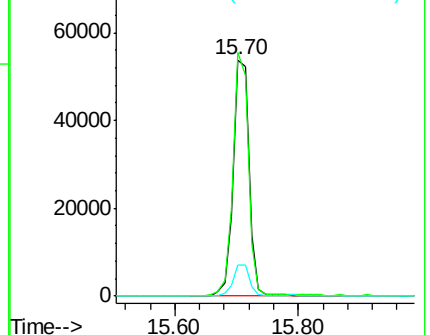
167 13.3 12.2 18.4

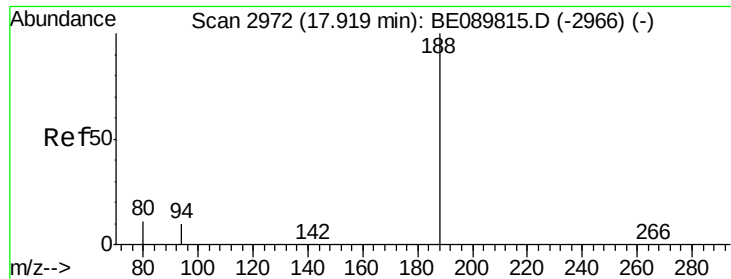


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

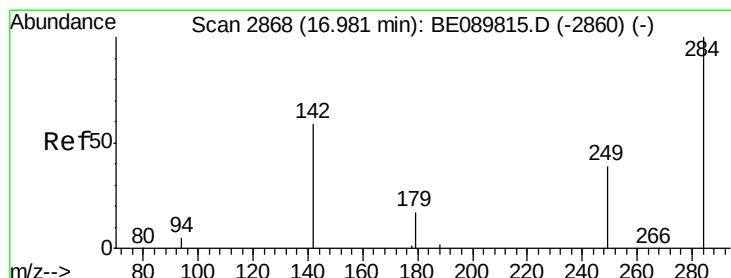
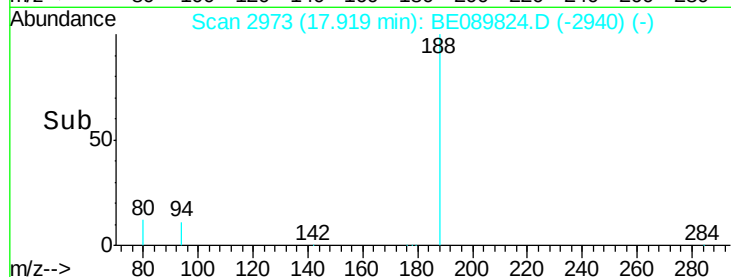
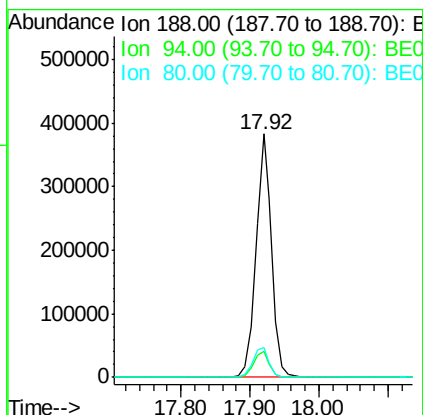
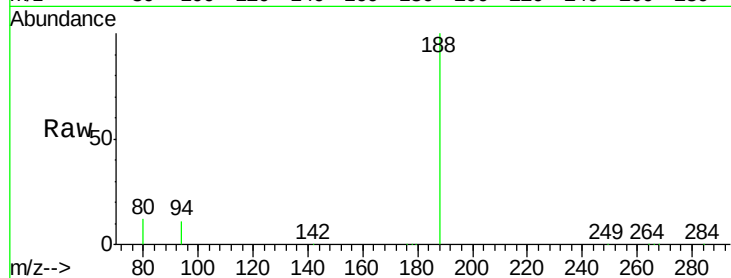




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.92 min Scan# 2973
Delta R.T. 0.00 min
Lab File: BE089824.D
Acq: 24 Mar 2015 21:35

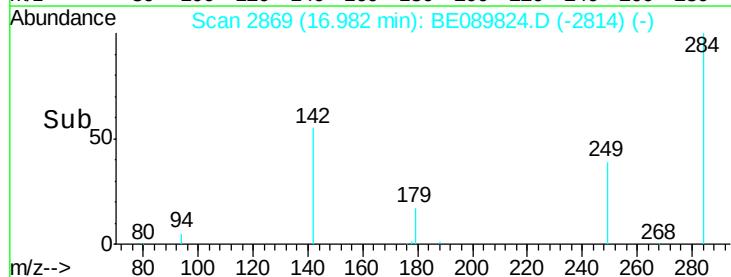
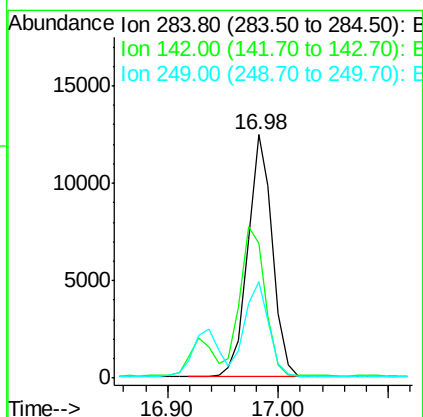
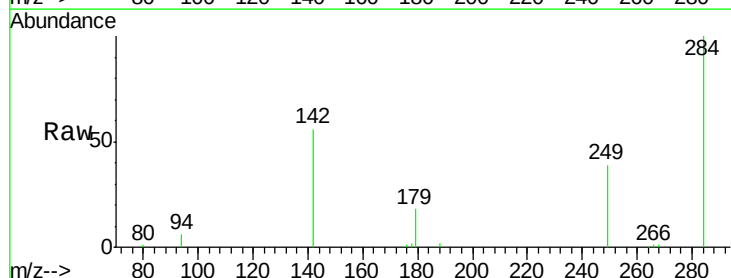
Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

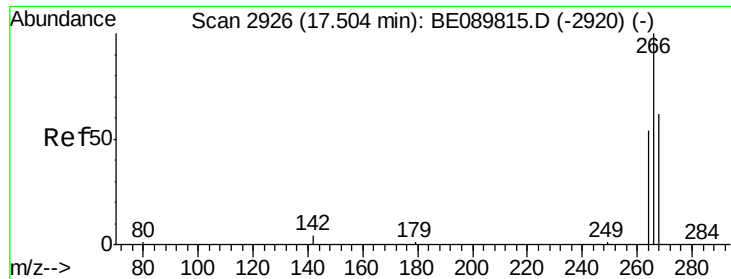
Tgt Ion:188 Resp: 606179
Ion Ratio Lower Upper
188 100
94 10.6 8.5 12.7
80 12.3 10.0 15.0



#14
Hexachlorobenzene
Concen: 0.96 ng
RT: 16.98 min Scan# 2869
Delta R.T. 0.00 min
Lab File: BE089824.D
Acq: 24 Mar 2015 21:35

Tgt Ion:284 Resp: 19389
Ion Ratio Lower Upper
284 100
142 63.5 53.3 79.9
249 38.1 31.1 46.7

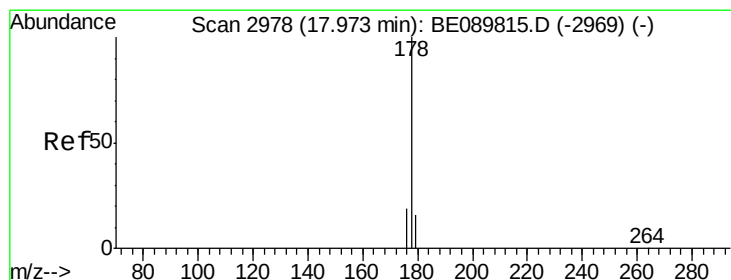
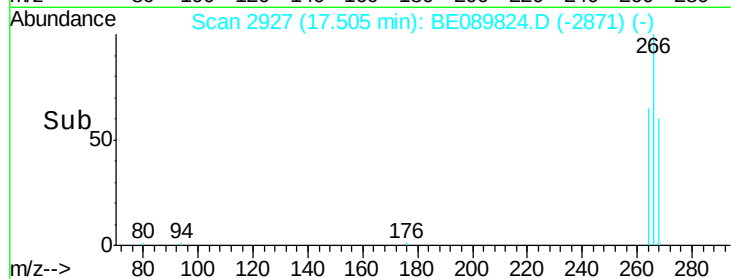
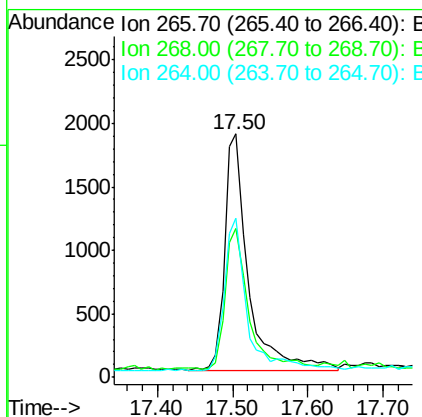
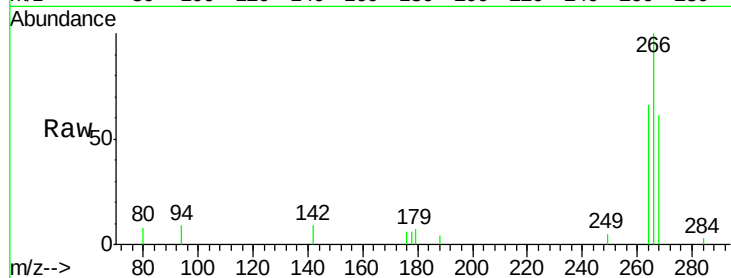




#15
 Pentachlorophenol
 Concen: 0.71 ng
 RT: 17.50 min Scan# 2927
 Delta R.T. 0.00 min
 Lab File: BE089824.D
 Acq: 24 Mar 2015 21:35

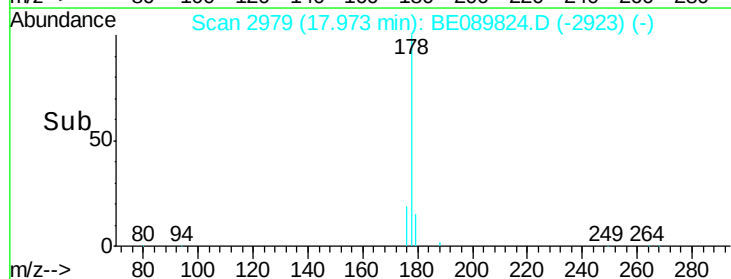
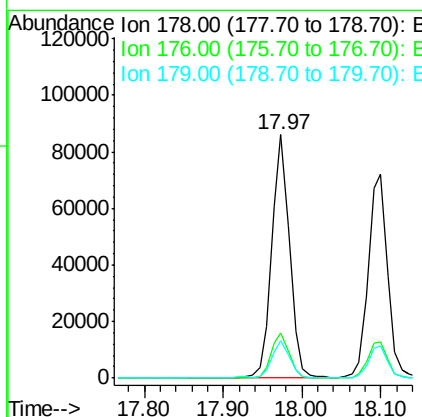
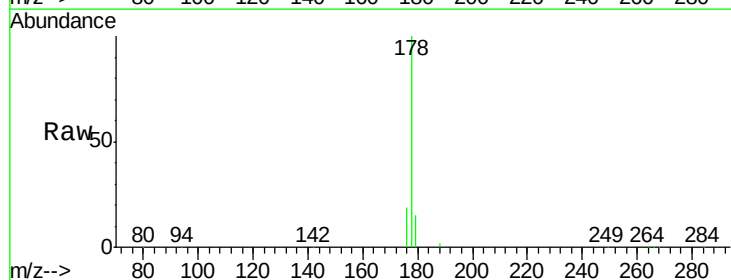
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

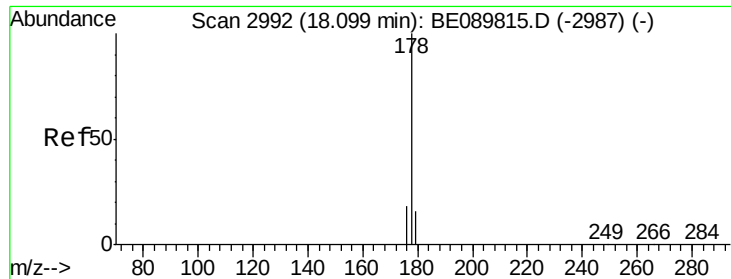
Tgt Ion: 266 Resp: 4059
 Ion Ratio Lower Upper
 266 100
 268 61.3 51.6 77.4
 264 65.6 50.2 75.2



#16
 Phenanthrene
 Concen: 1.00 ng
 RT: 17.97 min Scan# 2979
 Delta R.T. 0.00 min
 Lab File: BE089824.D
 Acq: 24 Mar 2015 21:35

Tgt Ion: 178 Resp: 133235
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.0
 179 15.6 12.2 18.4





#17

Anthracene

Concen: 1.03 ng

RT: 18.10 min Scan# 2993

Delta R.T. 0.00 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001EC

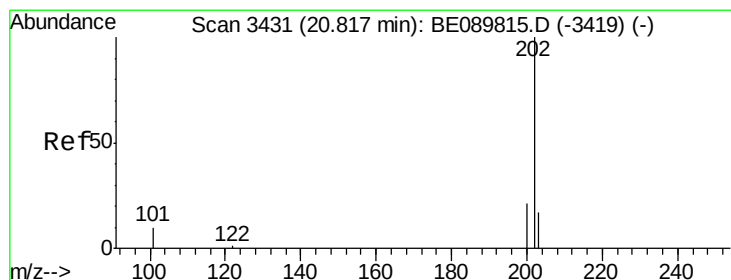
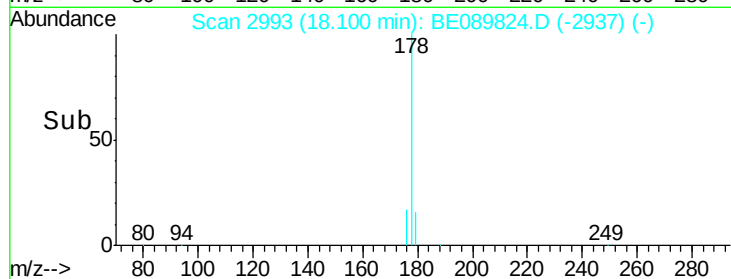
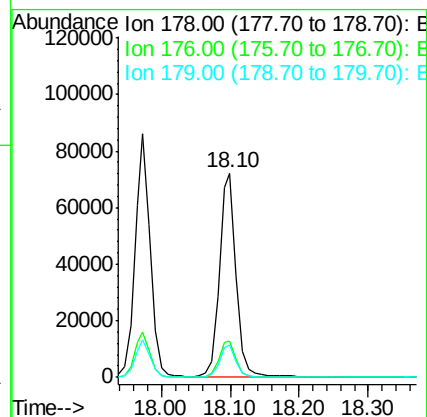
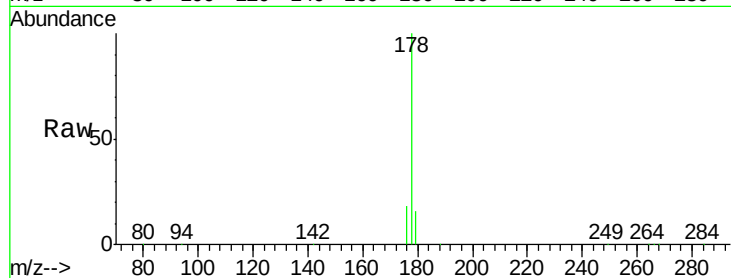
Tgt Ion:178 Resp: 122390

Ion Ratio Lower Upper

178 100

176 18.0 14.6 21.8

179 15.3 12.1 18.1



#18

Fluoranthene

Concen: 1.09 ng

RT: 20.82 min Scan# 3433

Delta R.T. -0.00 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

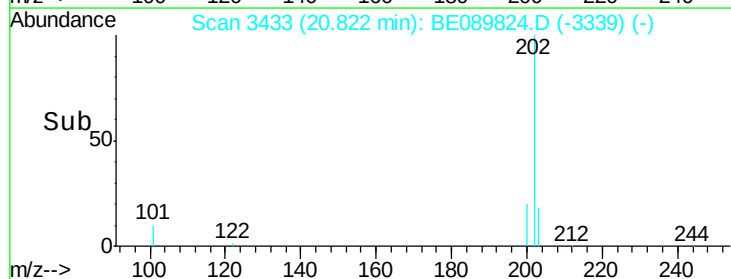
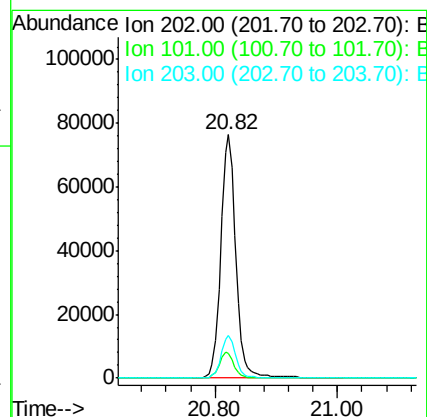
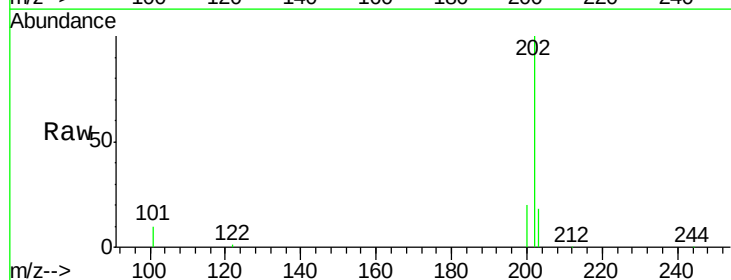
Tgt Ion:202 Resp: 130900

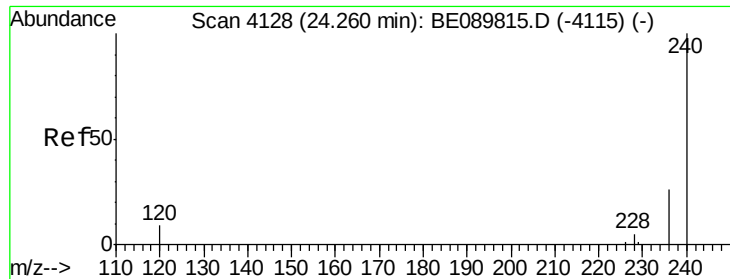
Ion Ratio Lower Upper

202 100

101 10.2 8.2 12.2

203 17.0 14.2 21.4





#19

Chrysene-d12

Concen: 5.00 ng

RT: 24.26 min Scan# 4130

Delta R.T. 0.00 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001EC

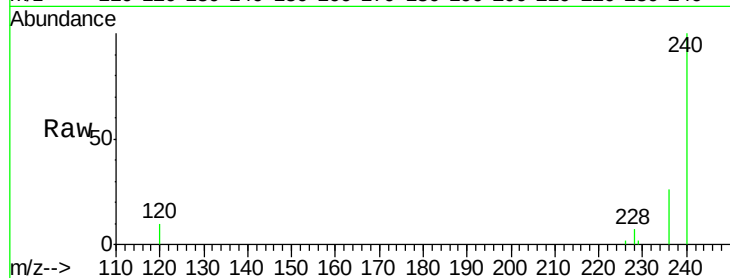
Tgt Ion:240 Resp: 558898

Ion Ratio Lower Upper

240 100

120 10.0 7.5 11.3

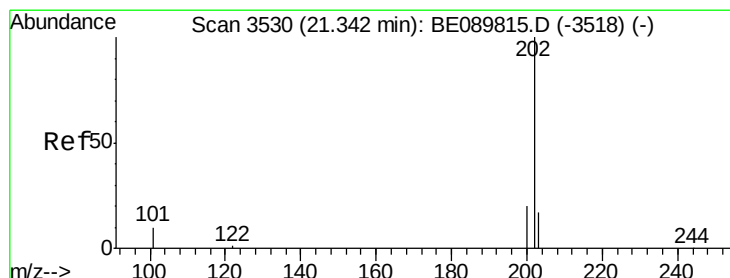
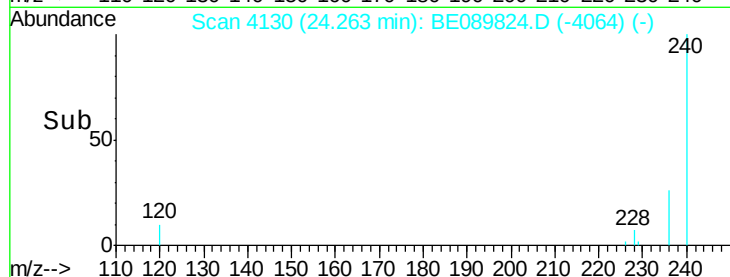
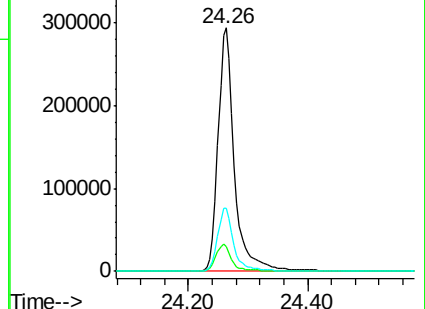
236 26.0 20.5 30.7



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: 0.96 ng

RT: 21.34 min Scan# 3531

Delta R.T. -0.01 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

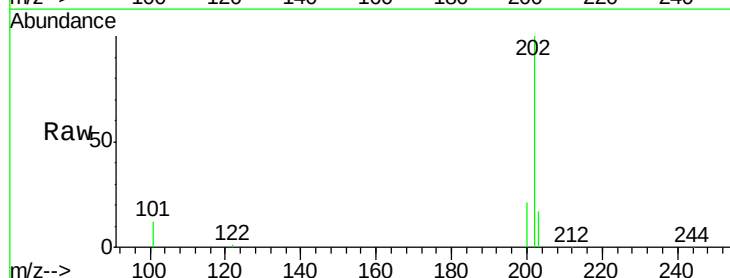
Tgt Ion:202 Resp: 136074

Ion Ratio Lower Upper

202 100

200 20.5 15.9 23.9

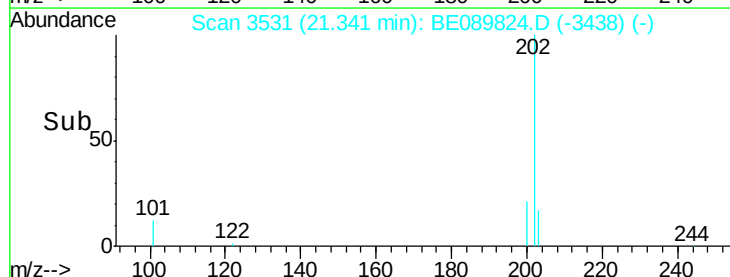
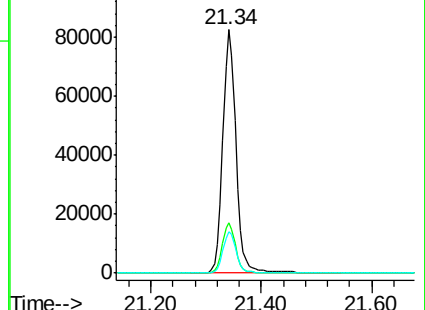
203 16.9 13.6 20.4

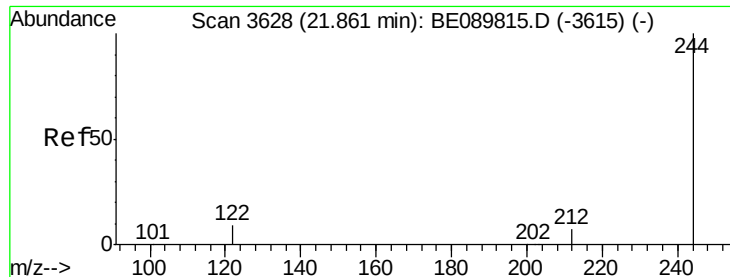


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 0.95 ng

RT: 21.86 min Scan# 3629

Delta R.T. -0.00 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001EC

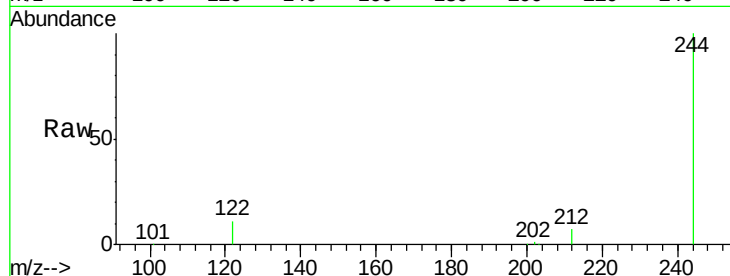
Tgt Ion:244 Resp: 78347

Ion Ratio Lower Upper

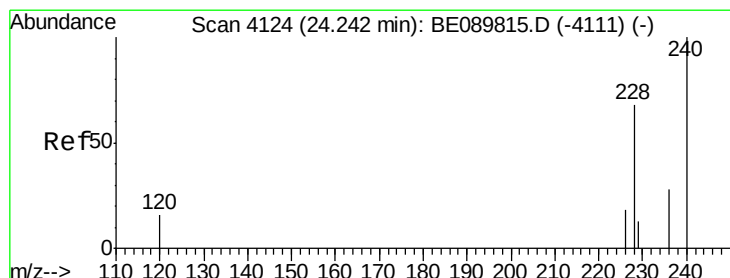
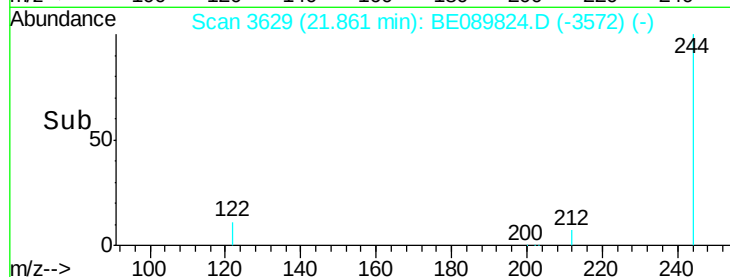
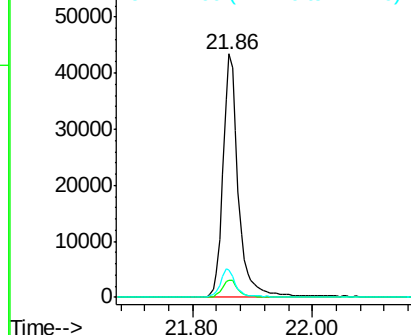
244 100

212 7.2 7.3 10.9#

122 11.3 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: 0.98 ng

RT: 24.24 min Scan# 4126

Delta R.T. -0.00 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

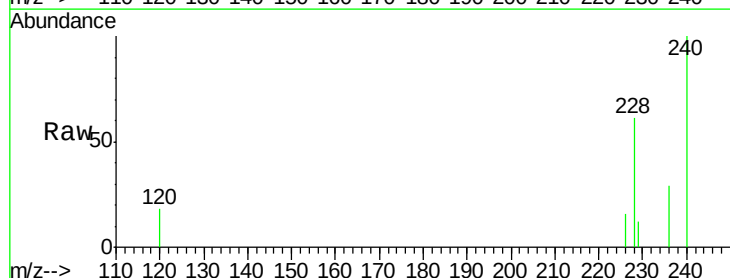
Tgt Ion:228 Resp: 102146

Ion Ratio Lower Upper

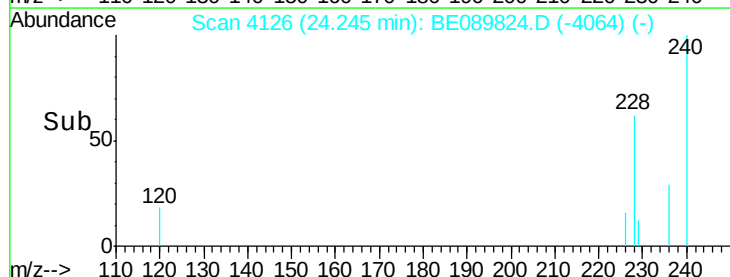
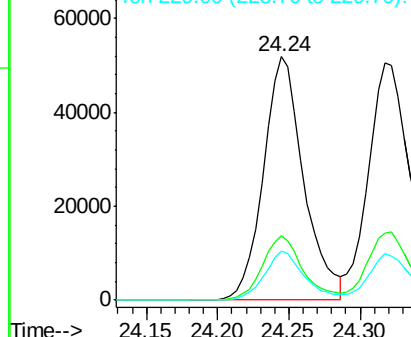
228 100

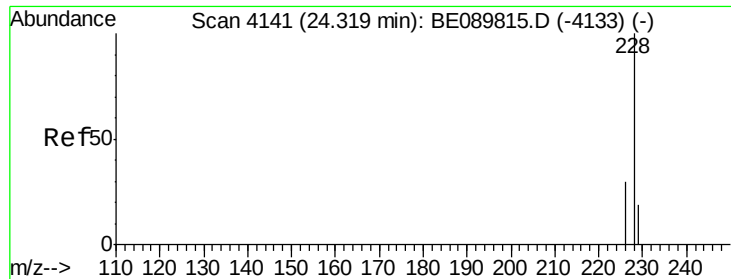
226 26.4 19.8 29.8

229 19.9 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. 0.00 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001EC

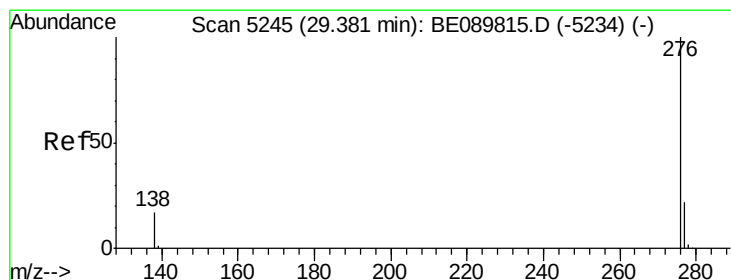
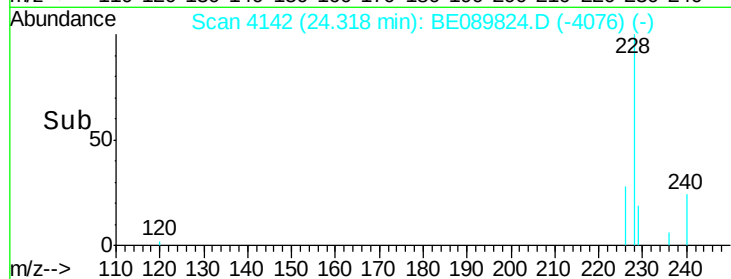
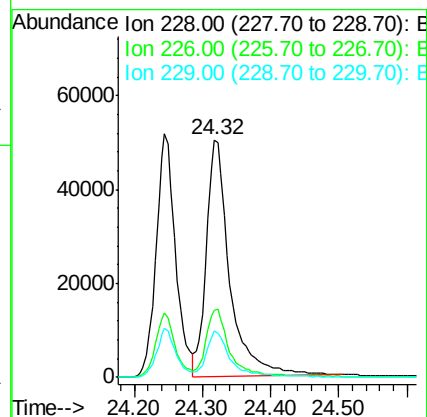
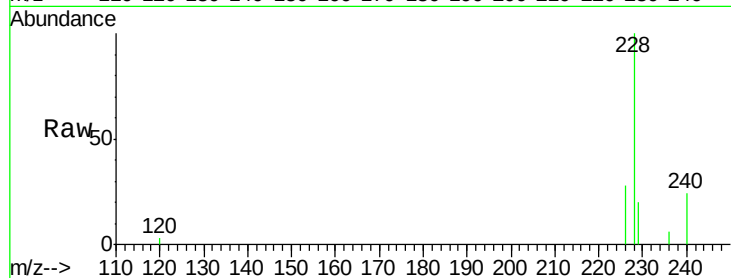
Tgt Ion:228 Resp: 119374

Ion Ratio Lower Upper

228 100

226 28.2 23.0 34.4

229 19.5 15.8 23.6



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.61 ng

RT: 29.38 min Scan# 5248

Delta R.T. 0.00 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

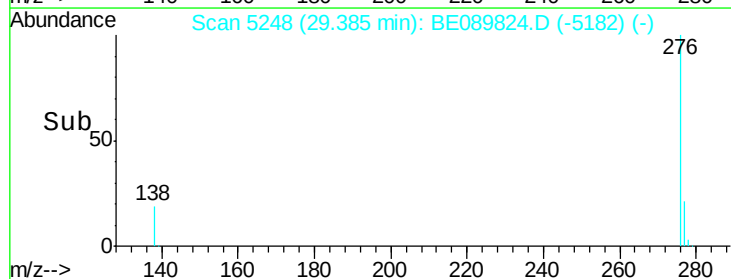
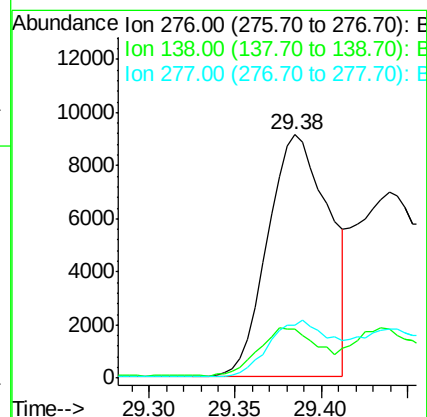
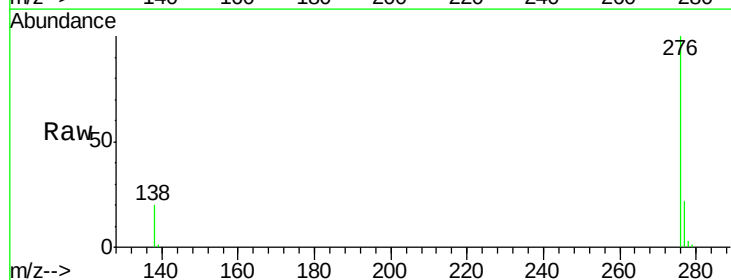
Tgt Ion:276 Resp: 22585

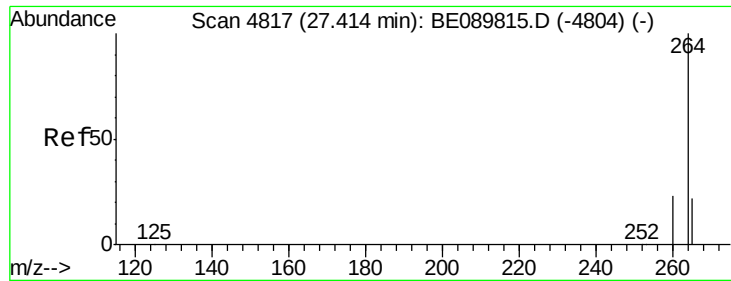
Ion Ratio Lower Upper

276 100

138 19.2 4.3 6.5#

277 23.1 9.0 13.4#

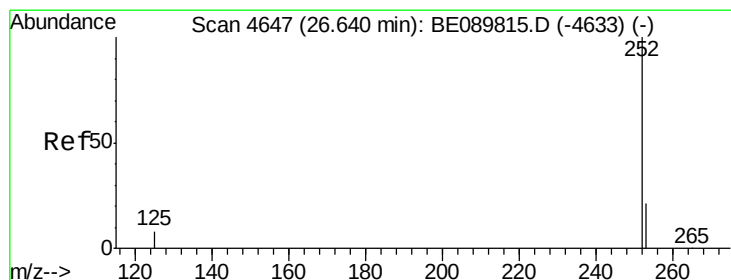
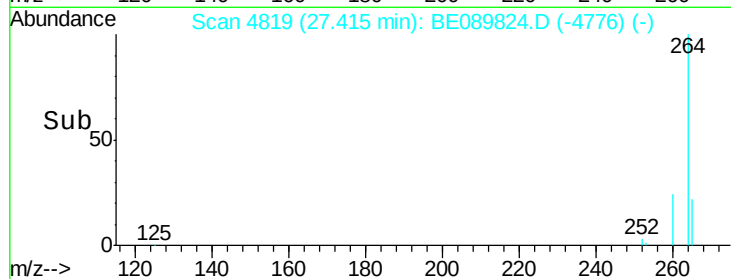
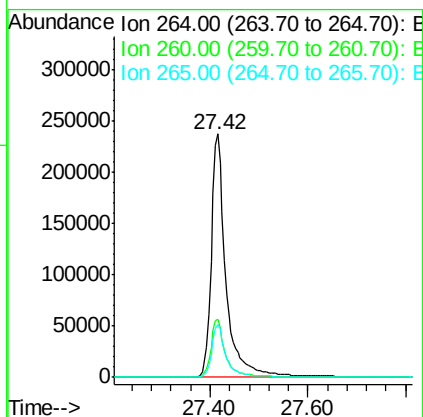
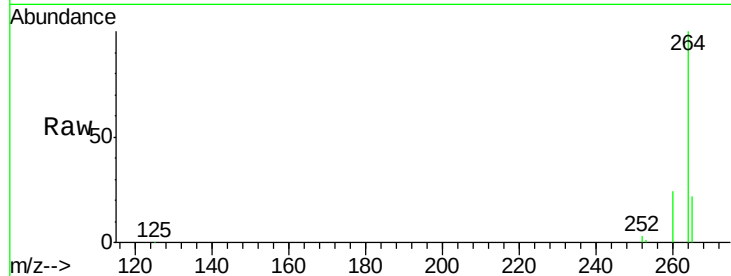




#25
Perylene-d12
 Concen: 5.00 ng
 RT: 27.42 min Scan# 4819
 Delta R.T. 0.00 min
 Lab File: BE089824.D
 Acq: 24 Mar 2015 21:35

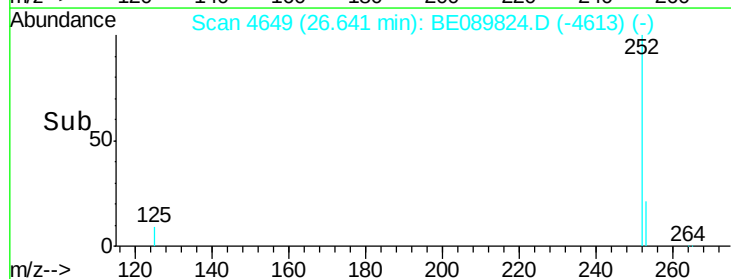
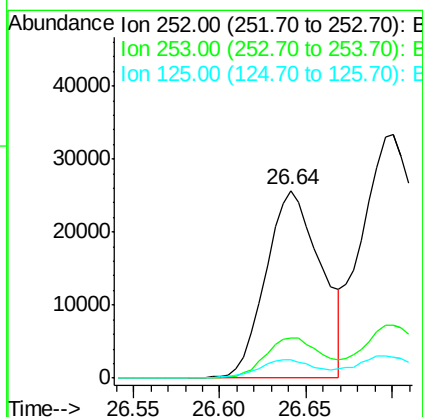
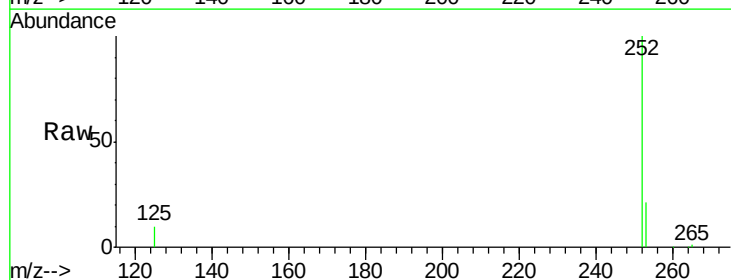
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

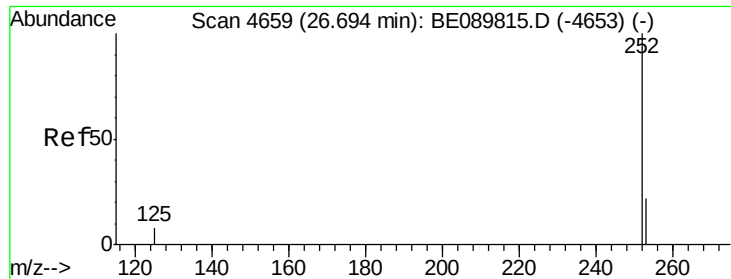
Tgt Ion: 264 Resp: 495119
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.2 27.2
 265 21.6 17.3 25.9



#26
Benzo(b)fluoranthene
 Concen: 0.82 ng
 RT: 26.64 min Scan# 4649
 Delta R.T. 0.01 min
 Lab File: BE089824.D
 Acq: 24 Mar 2015 21:35

Tgt Ion: 252 Resp: 57010
 Ion Ratio Lower Upper
 252 100
 253 21.2 17.8 26.6
 125 9.8 8.7 13.1





#27

Benzo(k)fluoranthene

Concen: 1.15 ng

RT: 26.70 min Scan# 4662

Delta R.T. 0.00 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001EC

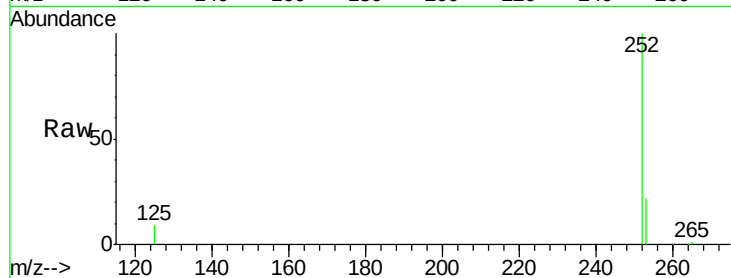
Tgt Ion:252 Resp: 116585

Ion Ratio Lower Upper

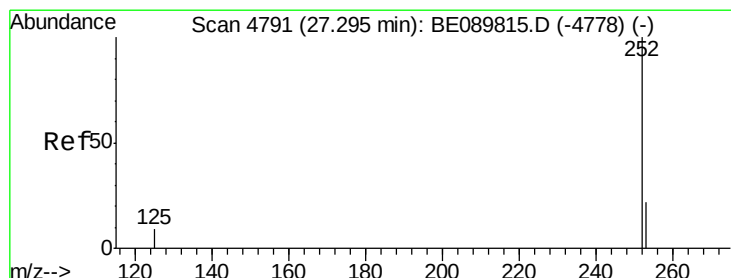
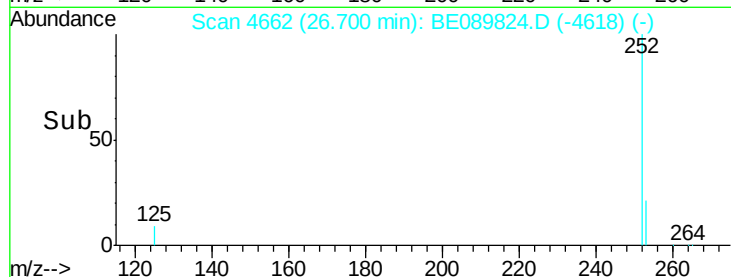
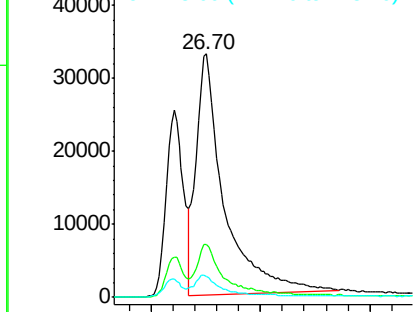
252 100

253 21.7 18.6 28.0

125 8.8 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: 0.89 ng

RT: 27.30 min Scan# 4793

Delta R.T. -0.00 min

Lab File: BE089824.D

Acq: 24 Mar 2015 21:35

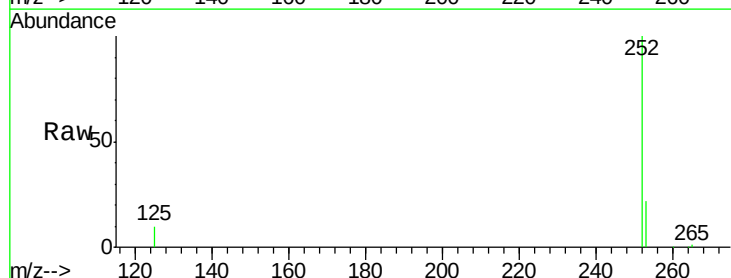
Tgt Ion:252 Resp: 61921

Ion Ratio Lower Upper

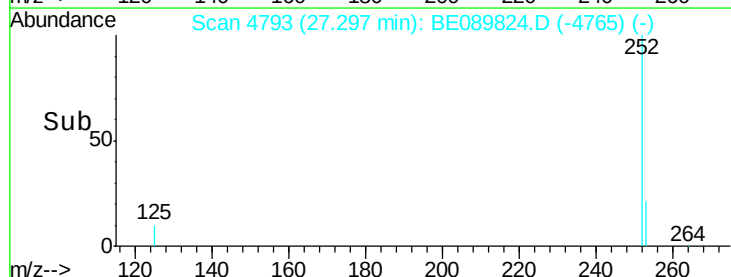
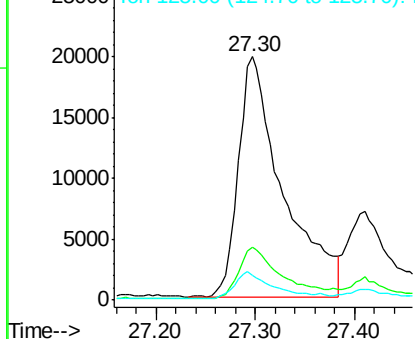
252 100

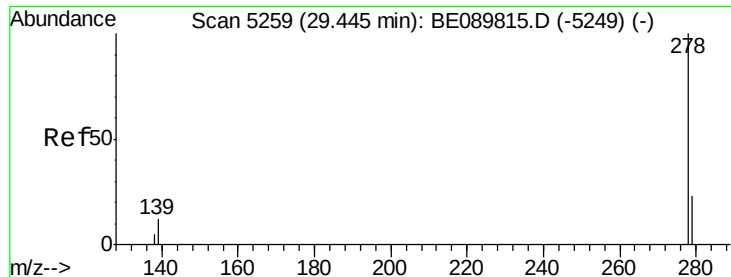
253 21.9 21.0 31.4

125 10.1 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

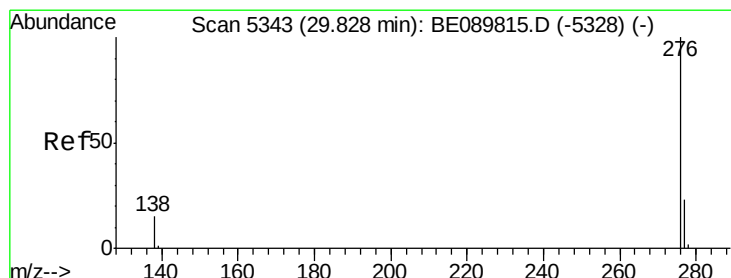
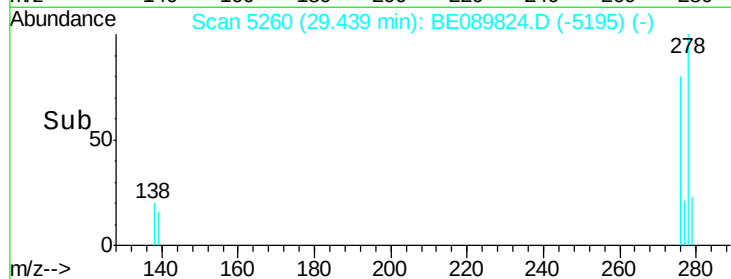
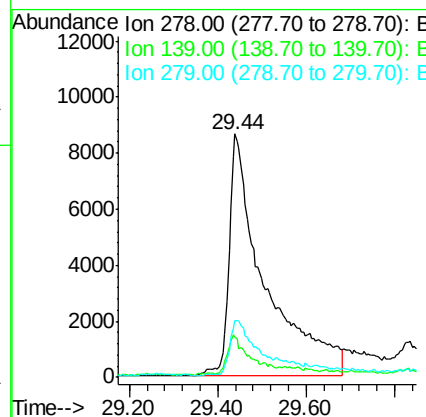
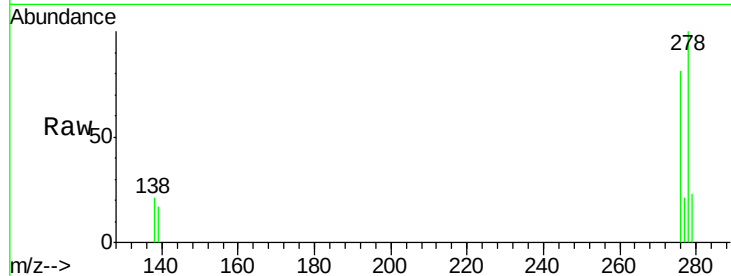




#29
Dibenzo(a,h)anthracene
Concen: 0.90 ng
RT: 29.44 min Scan# 5260
Delta R.T. -0.00 min
Lab File: BE089824.D
Acq: 24 Mar 2015 21:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

Tgt Ion: 278 Resp: 48096
Ion Ratio Lower Upper
278 100
139 16.6 20.0 30.0#
279 23.2 28.9 43.3#



#30
Benzo(g,h,i)perylene
Concen: 0.98 ng
RT: 29.83 min Scan# 5346
Delta R.T. 0.01 min
Lab File: BE089824.D
Acq: 24 Mar 2015 21:35

Tgt Ion: 276 Resp: 78888
Ion Ratio Lower Upper
276 100
277 23.7 19.2 28.8
138 17.6 22.9 34.3#

