

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022415\
 Data File : BE089682.D
 Acq On : 24 Feb 2015 22:10
 Operator : TP/JJ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Quant Time: Feb 25 04:20:49 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE022415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 25 04:05:13 2015
 Response via : Initial Calibration

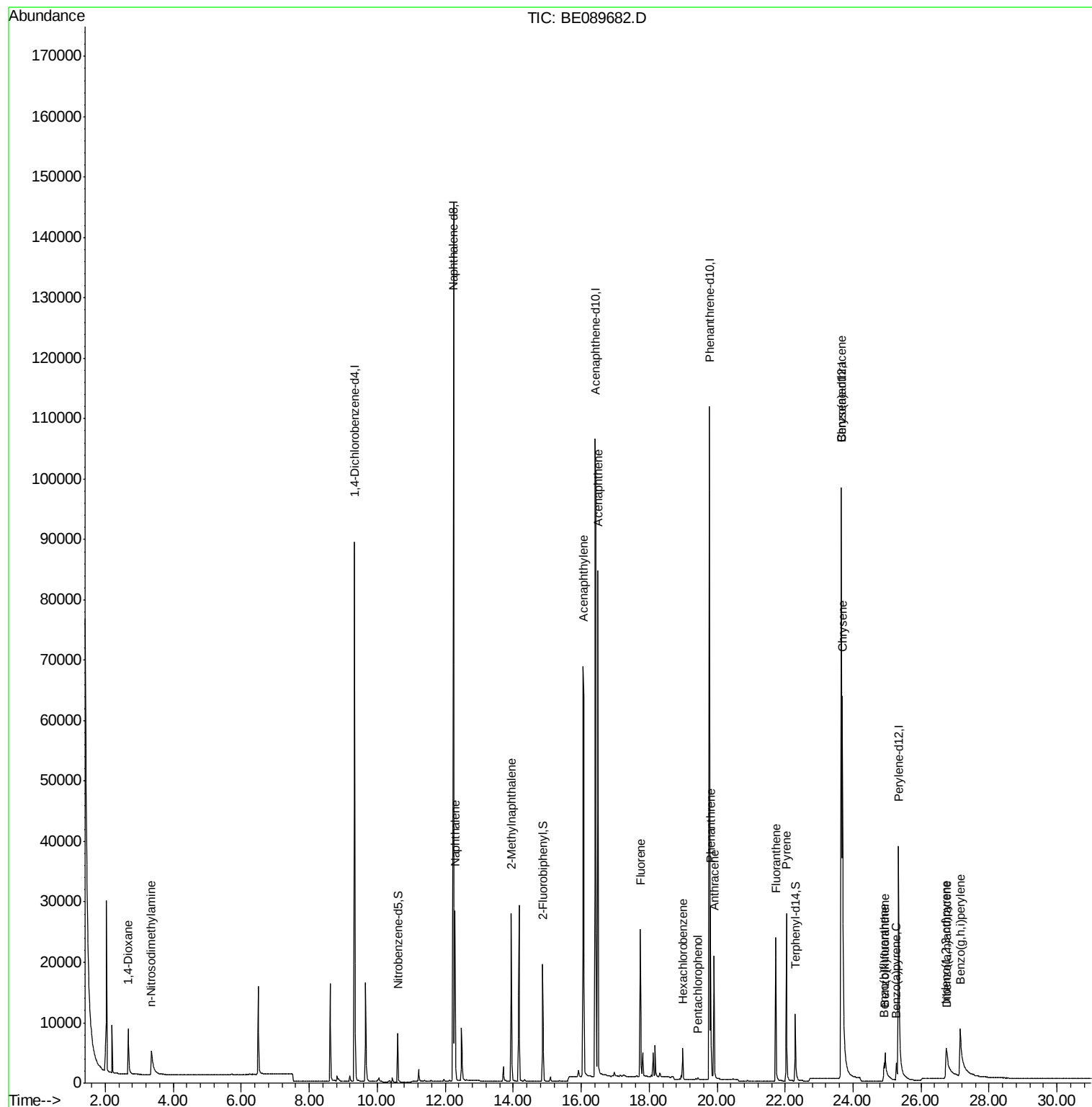
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	39066	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	163800	5.00	ng	0.00
8) Acenaphthene-d10	16.41	164	68809	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	116098	5.00	ng	0.00
19) Chrysene-d12	23.66	240	76525	5.00	ng	0.00
25) Perylene-d12	25.34	264	54645	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	10.60	82	6036	0.80	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	17946	1.15	ng	0.00
21) Terphenyl-d14	22.30	244	13135	1.46	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.67	88	5513	1.13	ng	99
3) n-Nitrosodimethylamine	3.35	42	6606	1.08	ng	# 96
6) Naphthalene	12.29	128	33502	1.06	ng	100
7) 2-Methylnaphthalene	13.94	142	18578	1.03	ng	96
10) Acenaphthylene	16.06	152	99774	1.01	ng	100
11) Acenaphthene	16.49	154	16264	1.04	ng	99
12) Fluorene	17.74	166	17508	1.01	ng	100
14) Hexachlorobenzene	18.99	284	3236	1.08	ng	99
15) Pentachlorophenol	19.44	266	277	0.95	ng	95
16) Phenanthrene	19.81	178	25817	1.04	ng	100
17) Anthracene	19.91	178	21058	1.00	ng	100
18) Fluoranthene	21.72	202	19775	0.96	ng	99
20) Pyrene	22.04	202	21405	1.16	ng	99
22) Benzo(a)anthracene	23.65	228	41912	0.83	ng	98
23) Chrysene	23.68	228	77171	1.11	ng	99
24) Indeno(1,2,3-cd)pyrene	26.74	276	18352	0.81	ng	# 59
26) Benzo(b)fluoranthene	24.91	252	2763	0.74	ng	99
27) Benzo(k)fluoranthene	24.94	252	12709	0.94	ng	99
28) Benzo(a)pyrene	25.27	252	4124	0.98	ng	99
29) Dibenzo(a,h)anthracene	26.77	278	3077	0.82	ng	# 92
30) Benzo(g,h,i)perylene	27.15	276	25203	0.95	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1299

Delta R.T. -0.00 min

Lab File: BE089682.D

Acq: 24 Feb 2015 22:10

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

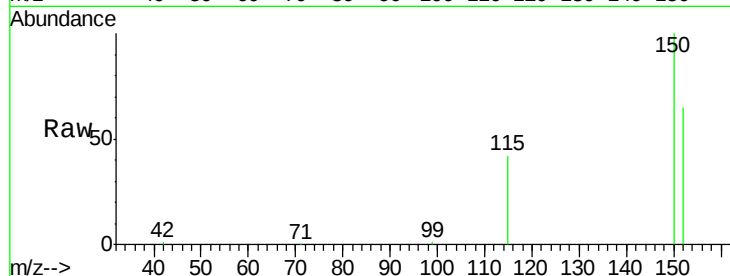
Tgt Ion: 152 Resp: 39066

Ion Ratio Lower Upper

152 100

150 154.2 123.4 185.0

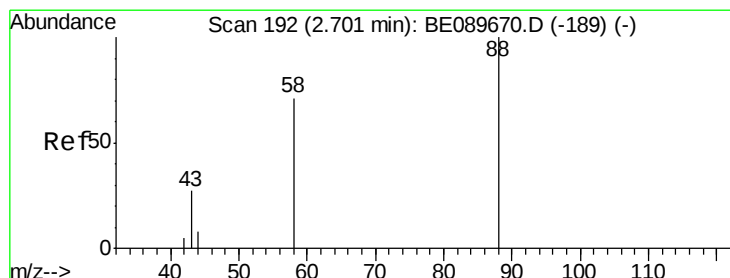
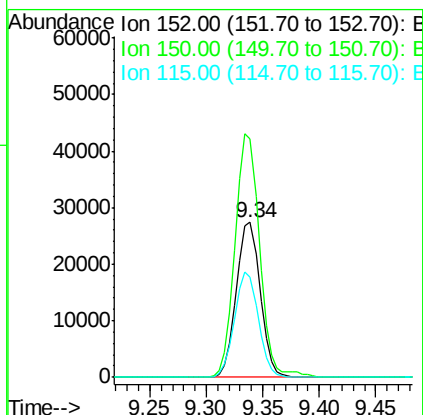
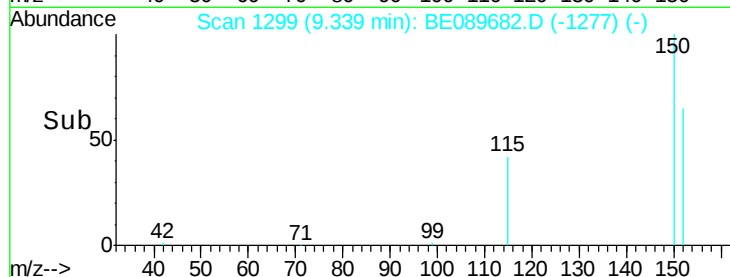
115 64.5 50.8 76.2



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: 1.13 ng

RT: 2.67 min Scan# 188

Delta R.T. -0.03 min

Lab File: BE089682.D

Acq: 24 Feb 2015 22:10

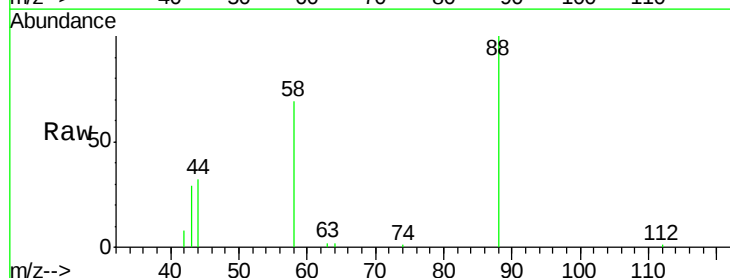
Tgt Ion: 88 Resp: 5513

Ion Ratio Lower Upper

88 100

58 78.1 62.4 93.6

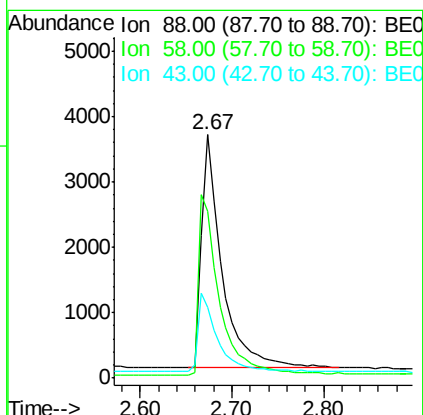
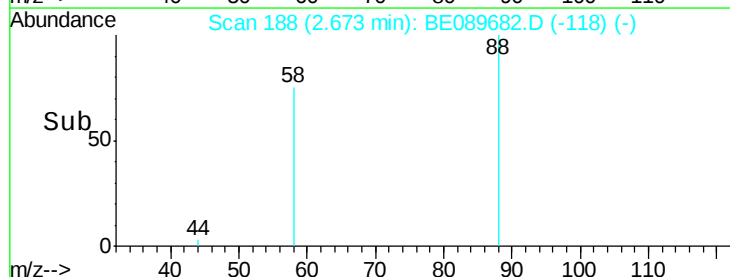
43 32.0 26.6 40.0

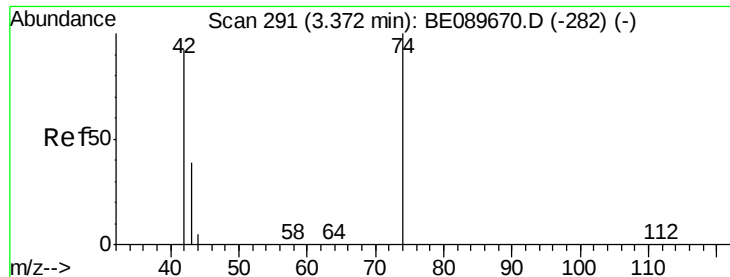


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



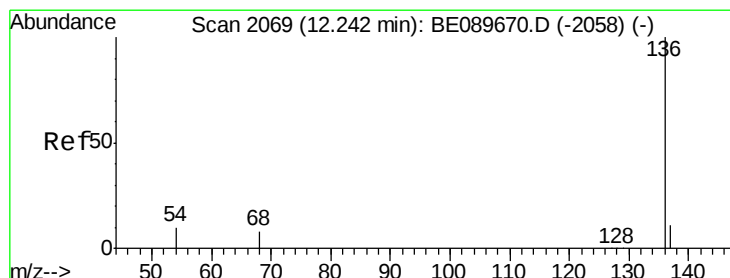
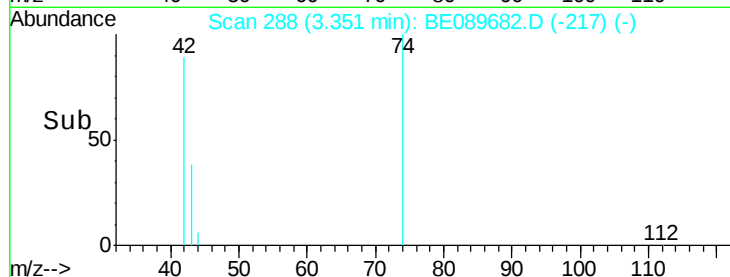
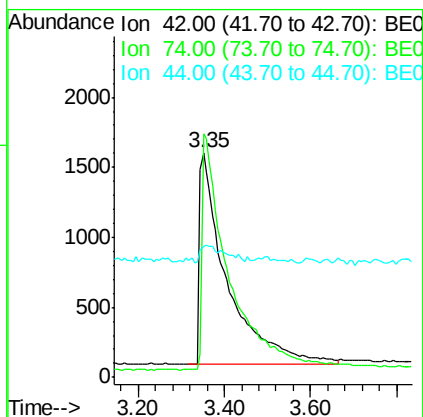
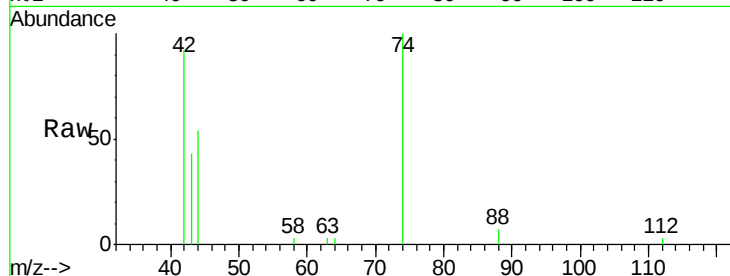


#3

n-Nitrosodimethylamine
 Concen: 1.08 ng
 RT: 3.35 min Scan# 288
 Delta R.T. -0.02 min
 Lab File: BE089682.D
 Acq: 24 Feb 2015 22:10

Instrument :
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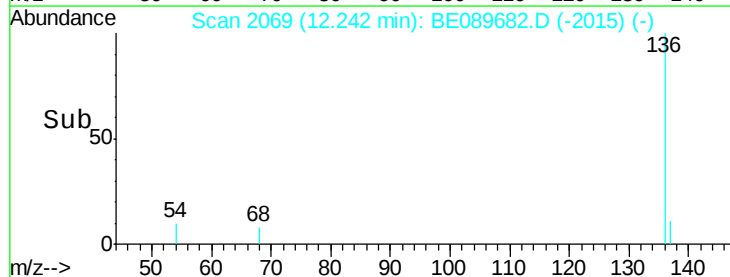
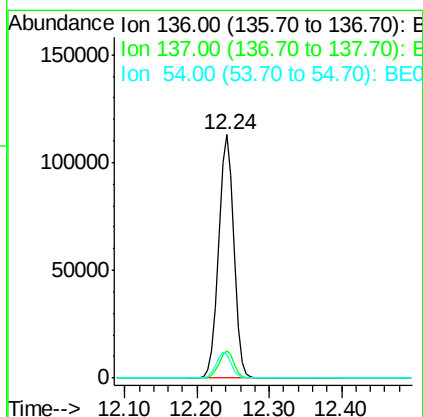
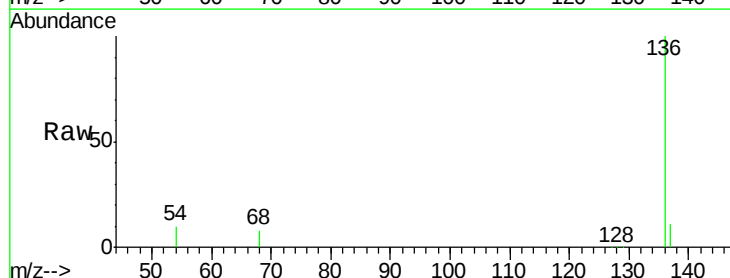
Tgt Ion: 42 Resp: 6606
 Ion Ratio Lower Upper
 42 100
 74 109.1 91.1 136.7
 44 4.5 4.7 7.1#

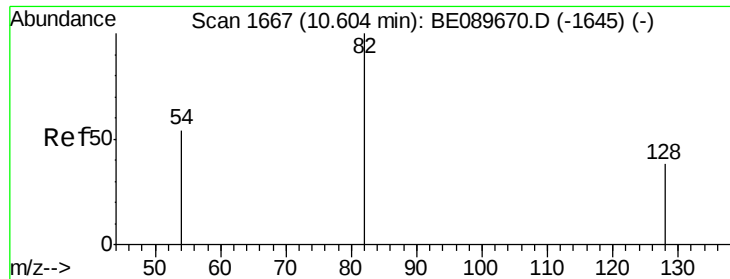


#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.24 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: BE089682.D
 Acq: 24 Feb 2015 22:10

Tgt Ion: 136 Resp: 163800
 Ion Ratio Lower Upper
 136 100
 137 11.1 8.7 13.1
 54 9.8 7.8 11.8





#5

Nitrobenzene-d5

Concen: 0.80 ng

RT: 10.60 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BE089682.D

Acq: 24 Feb 2015 22:10

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

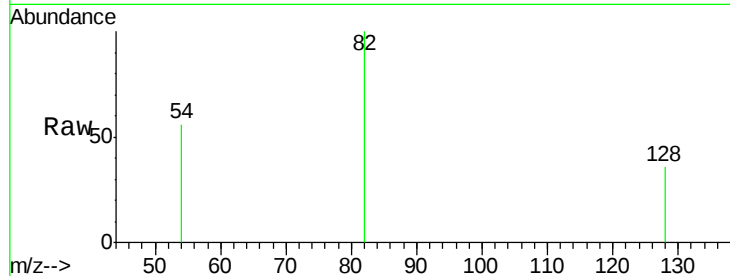
Tgt Ion: 82 Resp: 6036

Ion Ratio Lower Upper

82 100

128 36.2 30.6 46.0

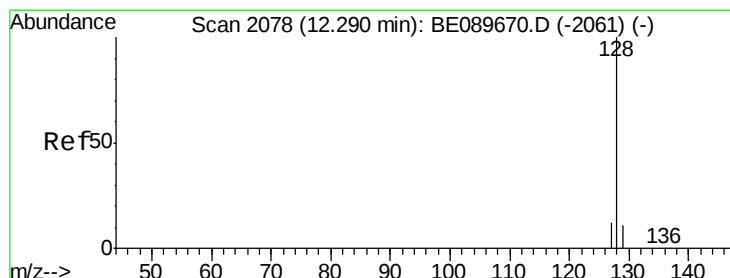
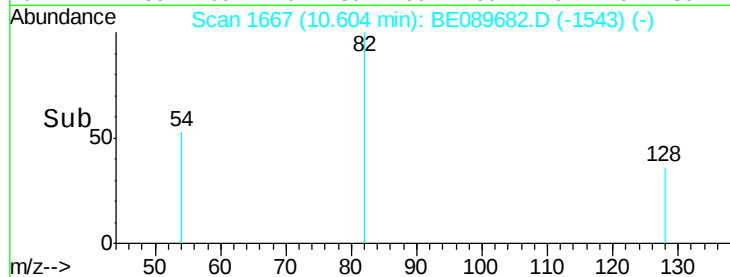
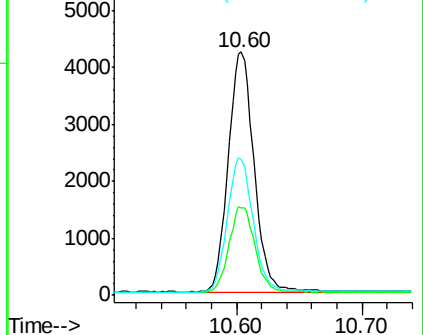
54 56.1 43.6 65.4



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: 1.06 ng

RT: 12.29 min Scan# 2078

Delta R.T. -0.00 min

Lab File: BE089682.D

Acq: 24 Feb 2015 22:10

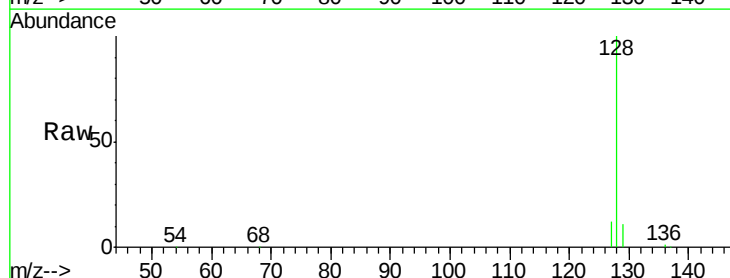
Tgt Ion: 128 Resp: 33502

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

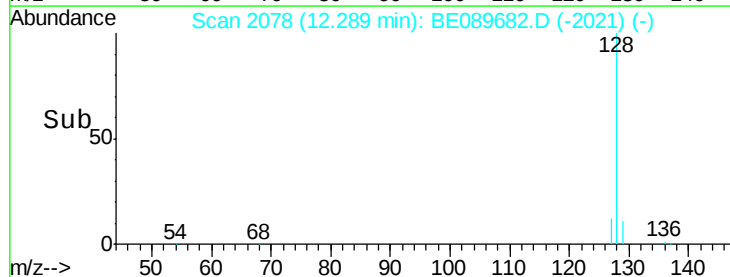
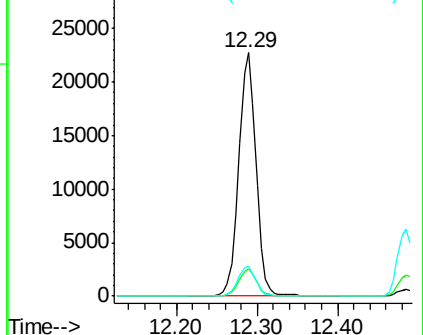
127 12.2 9.7 14.5



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: 1.03 ng

RT: 13.94 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BE089682.D

Acq: 24 Feb 2015 22:10

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

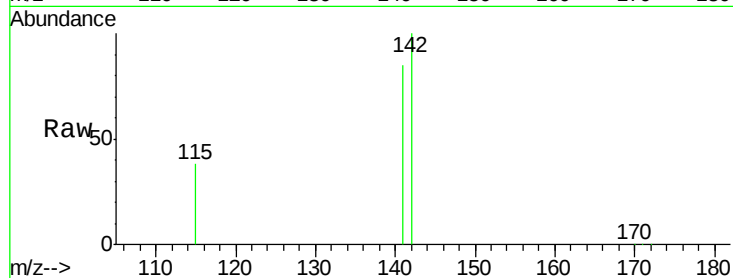
Tgt Ion:142 Resp: 18578

Ion Ratio Lower Upper

142 100

141 84.7 66.0 99.0

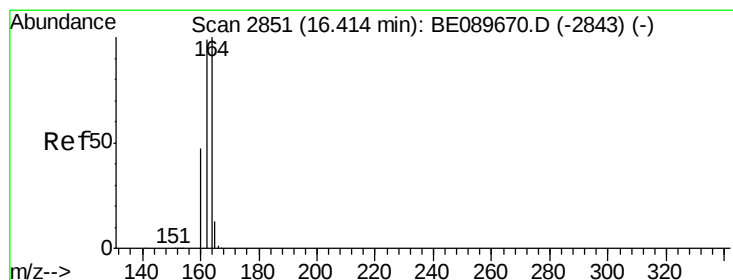
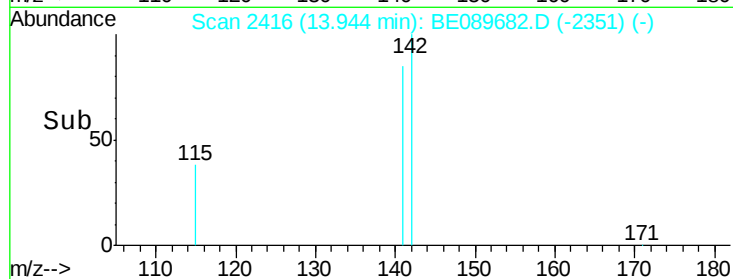
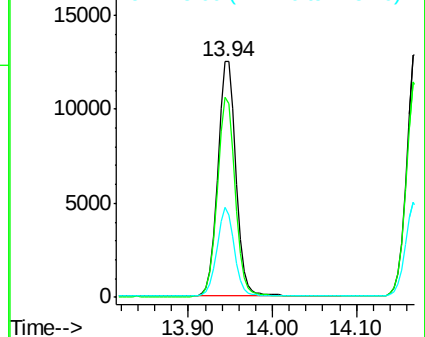
115 38.0 27.4 41.0



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: 16.41 min Scan# 2851

Delta R.T. -0.00 min

Lab File: BE089682.D

Acq: 24 Feb 2015 22:10

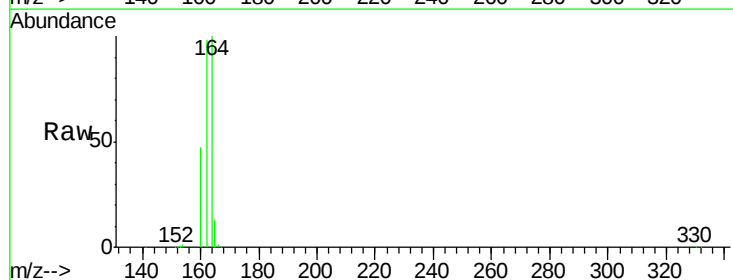
Tgt Ion:164 Resp: 68809

Ion Ratio Lower Upper

164 100

162 98.2 79.4 119.2

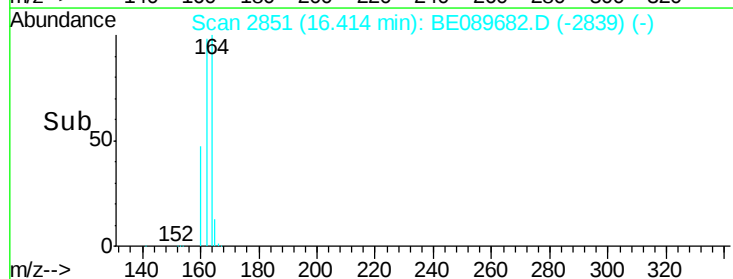
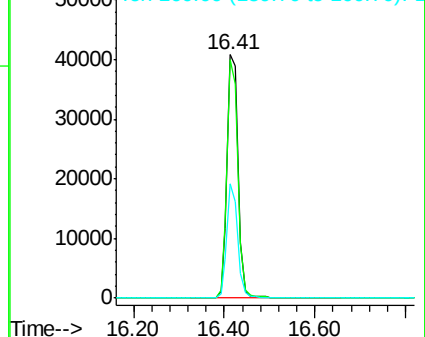
160 46.8 37.6 56.4



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: 1.15 ng

RT: 14.88 min Scan# 2621

Delta R.T. 0.00 min

Lab File: BE089682.D

Acq: 24 Feb 2015 22:10

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

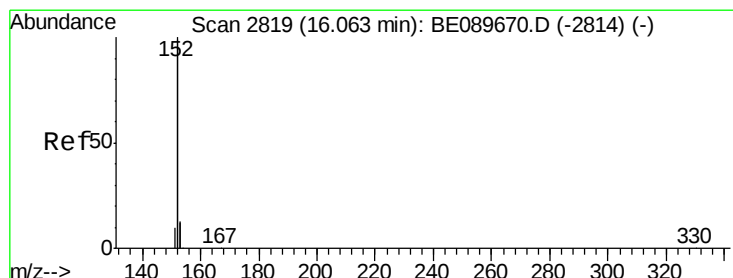
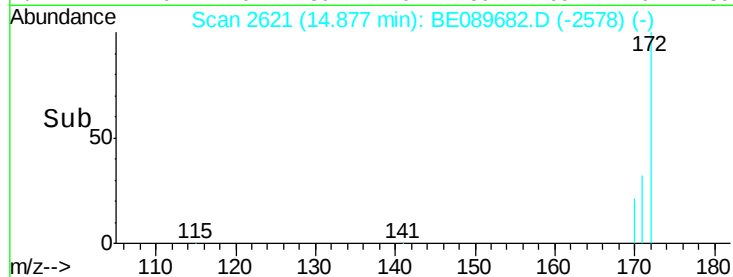
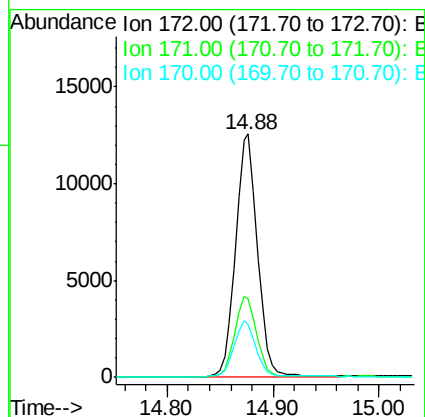
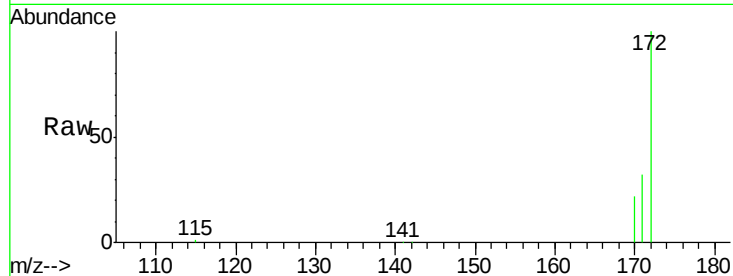
Tgt Ion:172 Resp: 17946

Ion Ratio Lower Upper

172 100

171 32.2 27.3 40.9

170 21.5 18.5 27.7



#10

Acenaphthylene

Concen: 1.01 ng

RT: 16.06 min Scan# 2819

Delta R.T. -0.00 min

Lab File: BE089682.D

Acq: 24 Feb 2015 22:10

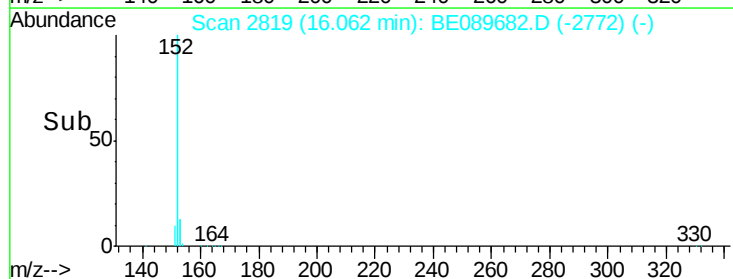
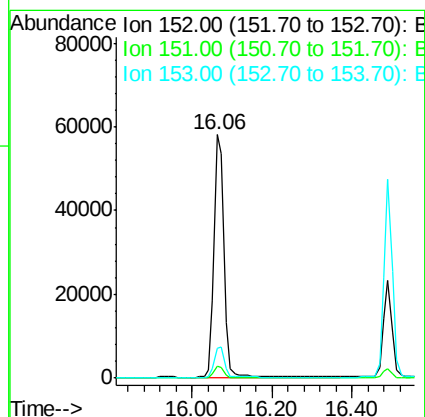
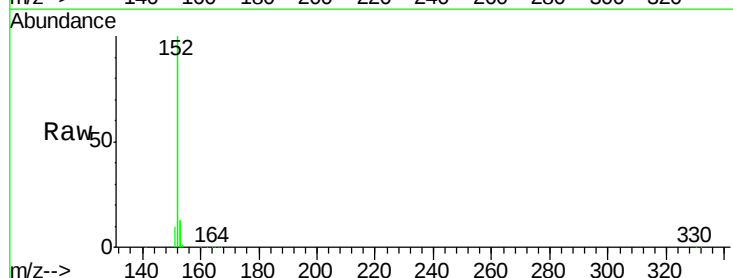
Tgt Ion:152 Resp: 99774

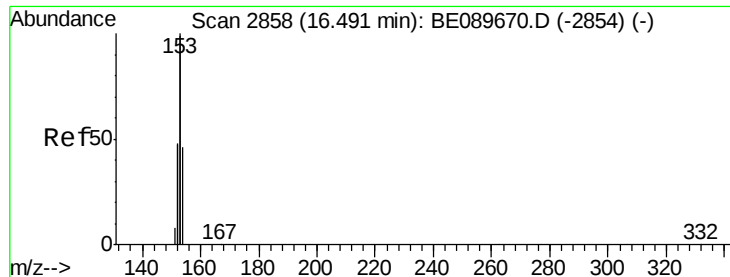
Ion Ratio Lower Upper

152 100

151 4.7 3.8 5.6

153 12.8 10.4 15.6





#11

Acenaphthene

Concen: 1.04 ng

RT: 16.49 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BE089682.D

Acq: 24 Feb 2015 22:10

Instrument :

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LabSampleId :

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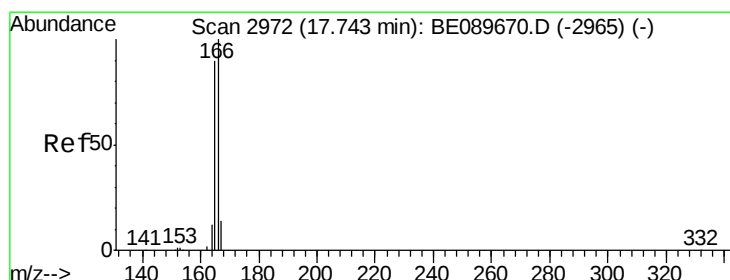
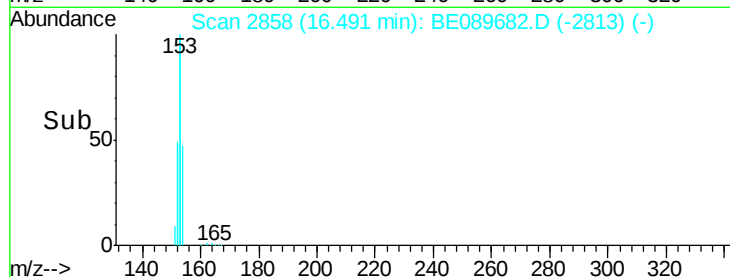
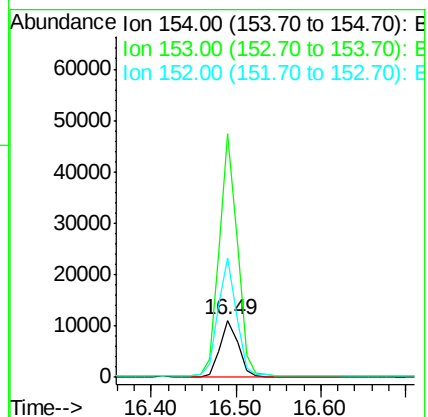
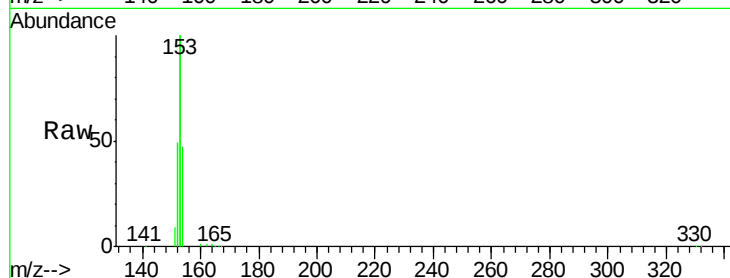
Tgt Ion:154 Resp: 16264

Ion Ratio Lower Upper

154 100

153 433.2 345.8 518.8

152 212.6 168.6 252.8



#12

Fluorene

Concen: 1.01 ng

RT: 17.74 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BE089682.D

Acq: 24 Feb 2015 22:10

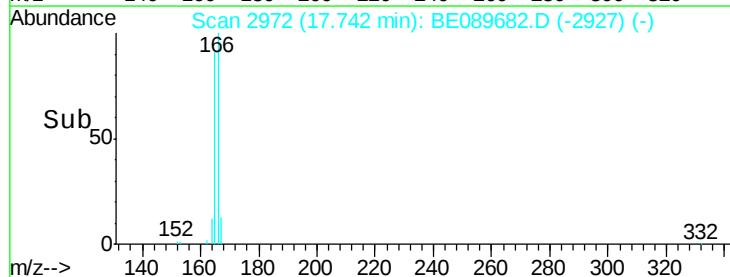
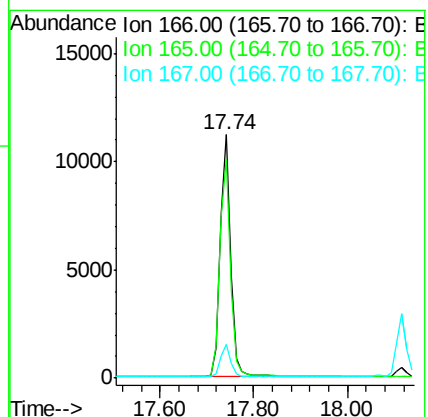
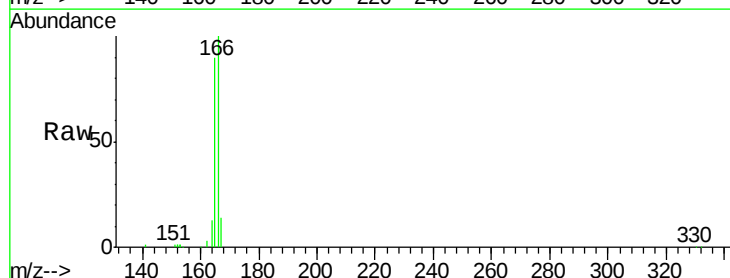
Tgt Ion:166 Resp: 17508

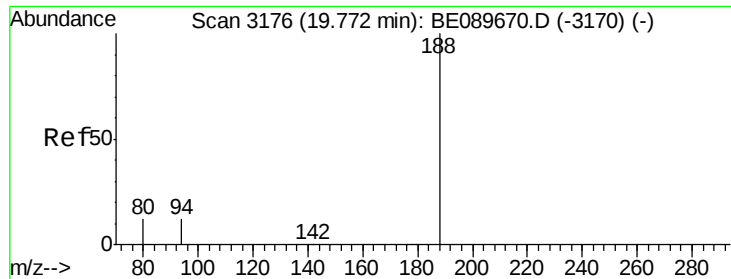
Ion Ratio Lower Upper

166 100

165 92.2 73.6 110.4

167 13.0 10.6 16.0

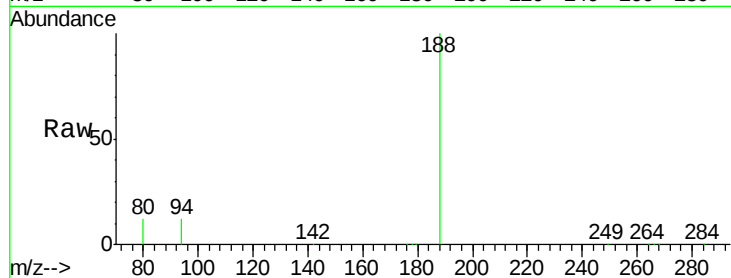




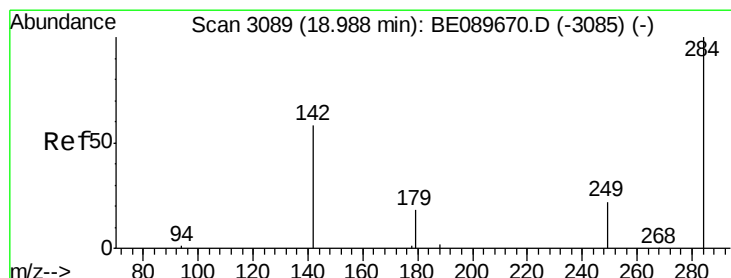
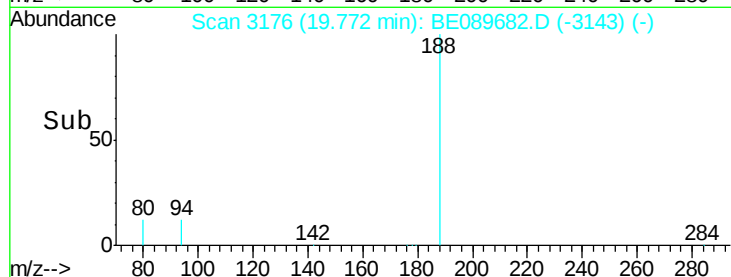
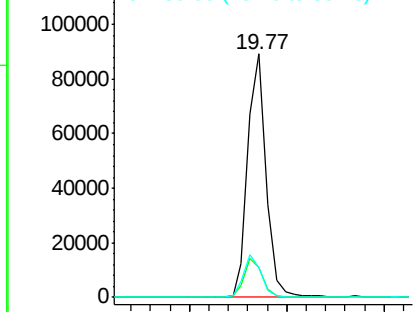
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3176
Delta R.T. -0.00 min
Lab File: BE089682.D
Acq: 24 Feb 2015 22:10

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion:188 Resp: 116098
Ion Ratio Lower Upper
188 100
94 12.3 9.4 14.2
80 12.4 9.5 14.3

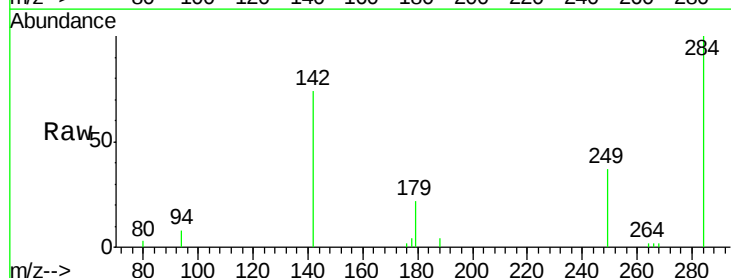


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

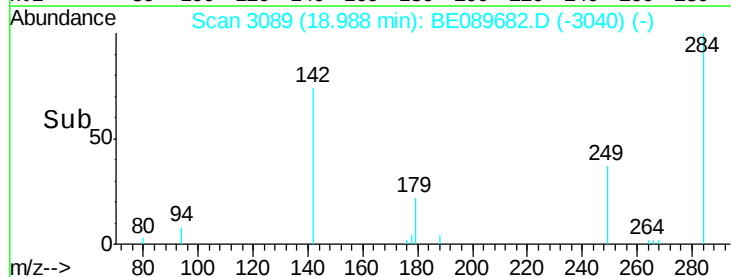
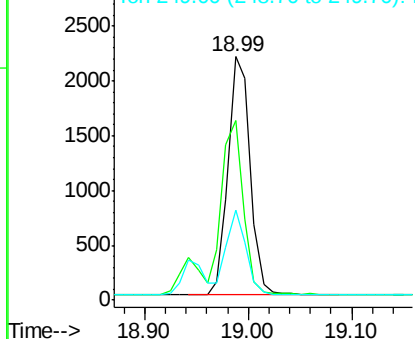


#14
Hexachlorobenzene
Concen: 1.08 ng
RT: 18.99 min Scan# 3089
Delta R.T. -0.00 min
Lab File: BE089682.D
Acq: 24 Feb 2015 22:10

Tgt Ion:284 Resp: 3236
Ion Ratio Lower Upper
284 100
142 70.2 55.4 83.2
249 32.8 27.2 40.8



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

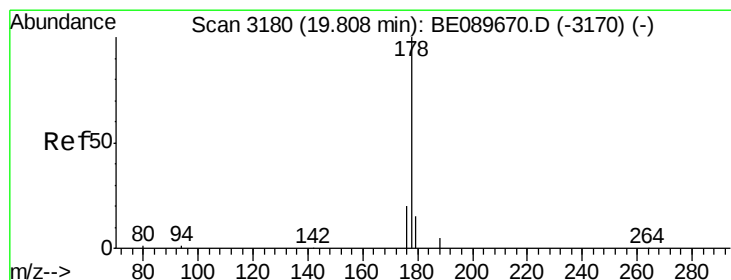
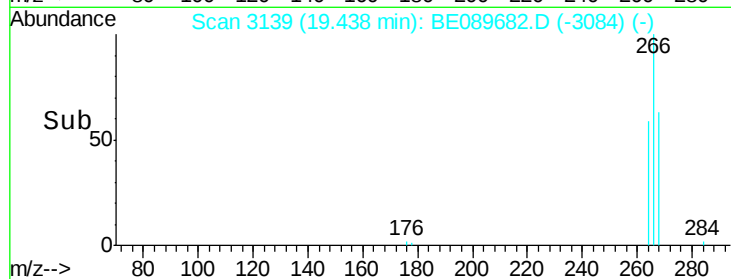
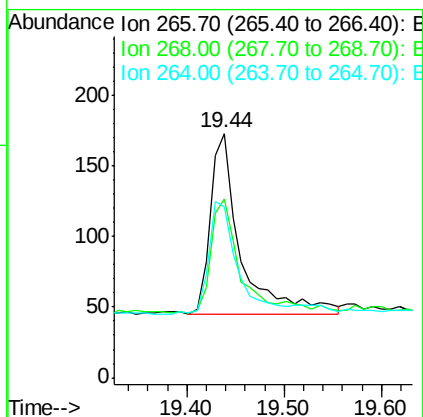
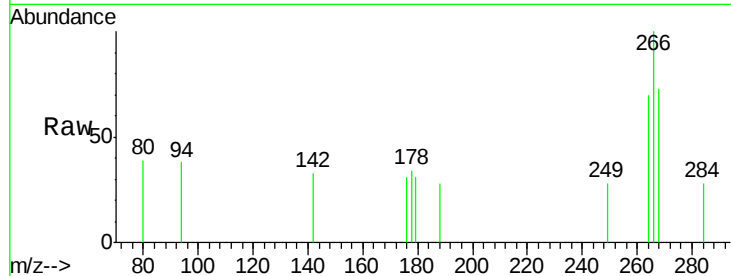




#15
 Pentachlorophenol
 Concen: 0.95 ng
 RT: 19.44 min Scan# 3139
 Delta R.T. -0.00 min
 Lab File: BE089682.D
 Acq: 24 Feb 2015 22:10

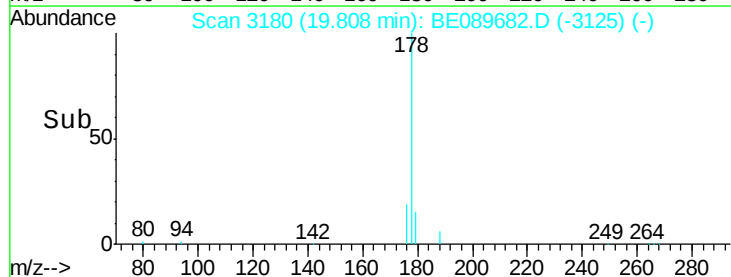
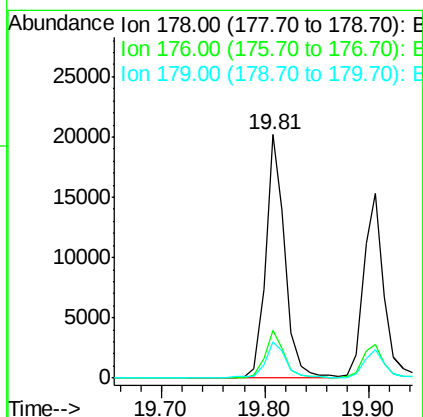
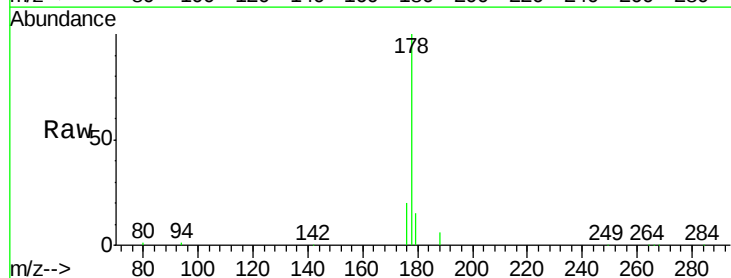
Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

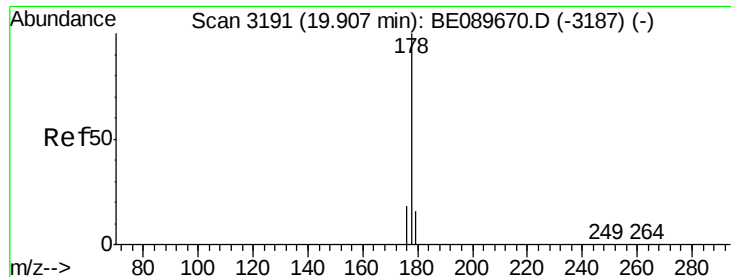
Tgt Ion: 266 Resp: 277
 Ion Ratio Lower Upper
 266 100
 268 73.4 56.3 84.5
 264 69.9 51.8 77.8



#16
 Phenanthrene
 Concen: 1.04 ng
 RT: 19.81 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: BE089682.D
 Acq: 24 Feb 2015 22:10

Tgt Ion: 178 Resp: 25817
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.3 22.9
 179 15.4 12.5 18.7





#17

Anthracene

Concen: 1.00 ng

RT: 19.91 min Scan# 3191

Delta R.T. -0.00 min

Lab File: BE089682.D

Acq: 24 Feb 2015 22:10

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

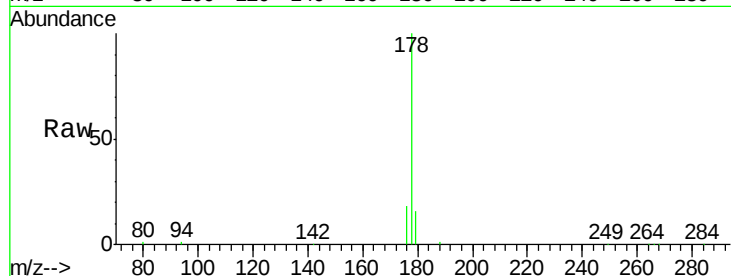
Tgt Ion:178 Resp: 21058

Ion Ratio Lower Upper

178 100

176 18.7 14.8 22.2

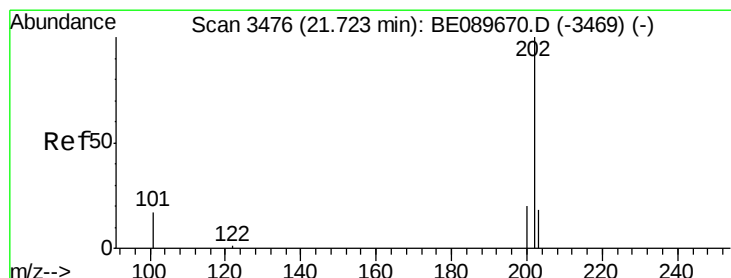
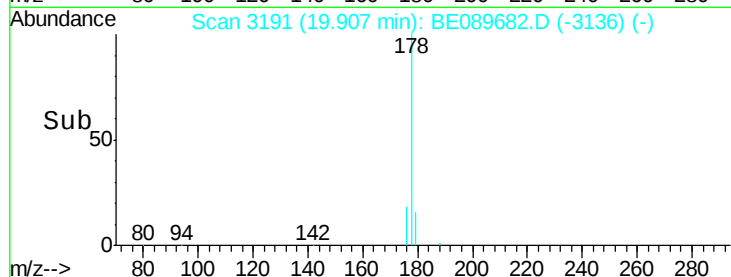
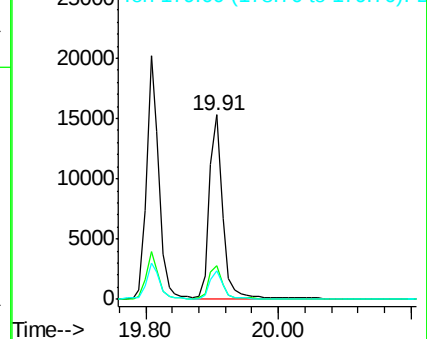
179 15.2 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#18

Fluoranthene

Concen: 0.96 ng

RT: 21.72 min Scan# 3476

Delta R.T. -0.00 min

Lab File: BE089682.D

Acq: 24 Feb 2015 22:10

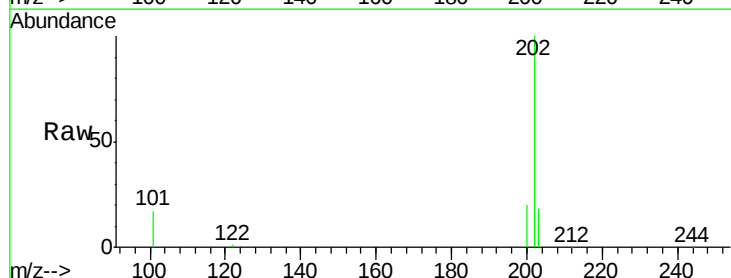
Tgt Ion:202 Resp: 19775

Ion Ratio Lower Upper

202 100

101 17.9 14.9 22.3

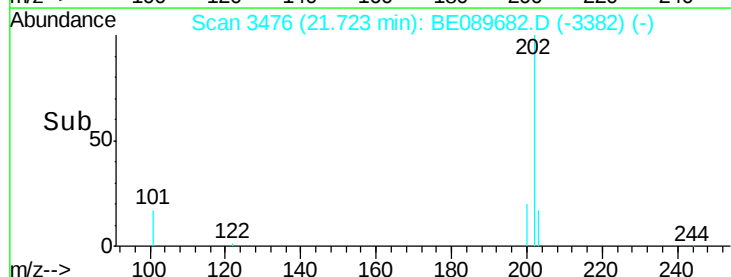
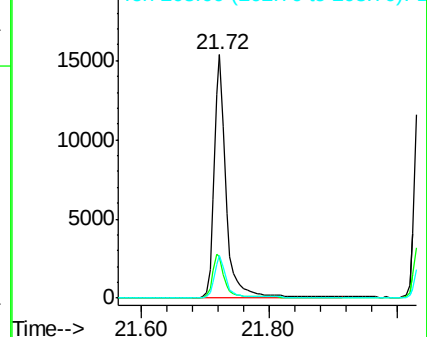
203 17.2 13.8 20.6

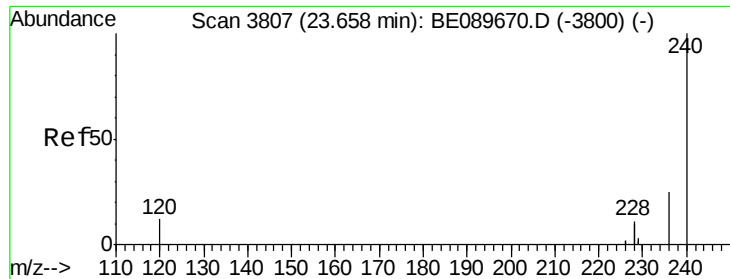


Abundance Ion 202.00 (201.70 to 202.70): E

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: 23.66 min Scan# 3807

Delta R.T. 0.00 min

Lab File: BE089682.D

Acq: 24 Feb 2015 22:10

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

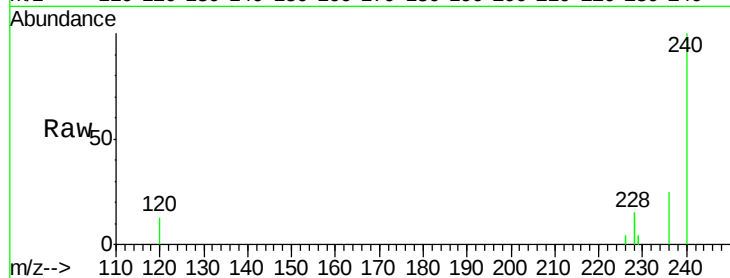
Tgt Ion:240 Resp: 76525

Ion Ratio Lower Upper

240 100

120 13.3 9.4 14.0

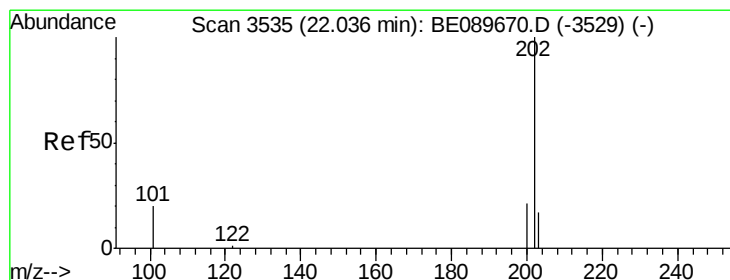
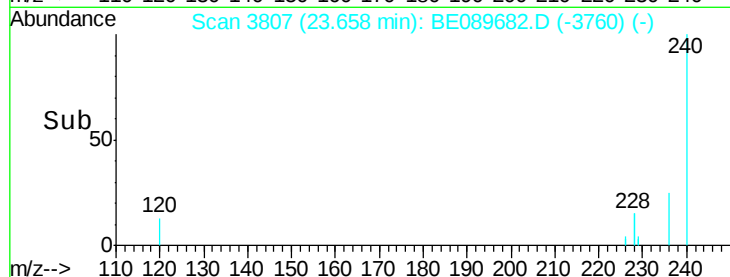
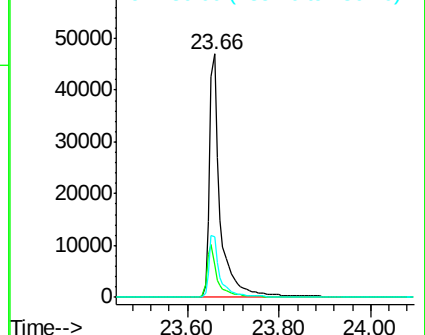
236 24.9 19.9 29.9



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: 1.16 ng

RT: 22.04 min Scan# 3535

Delta R.T. -0.00 min

Lab File: BE089682.D

Acq: 24 Feb 2015 22:10

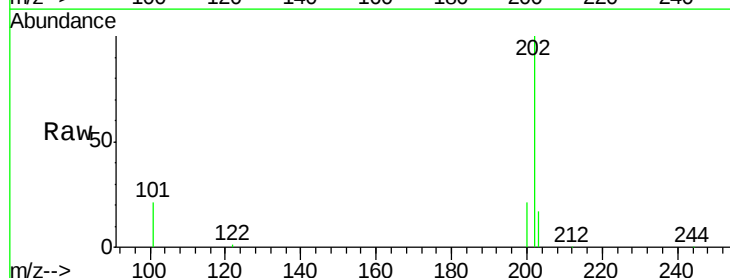
Tgt Ion:202 Resp: 21405

Ion Ratio Lower Upper

202 100

200 20.7 16.4 24.6

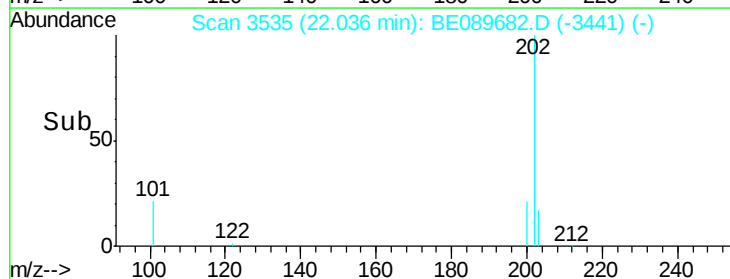
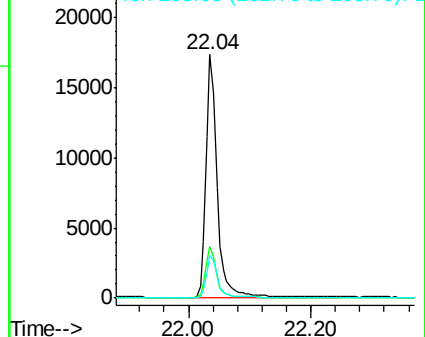
203 17.0 13.9 20.9



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: 1.46 ng

RT: 22.30 min Scan# 3585

Delta R.T. -0.00 min

Lab File: BE089682.D

Acq: 24 Feb 2015 22:10

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

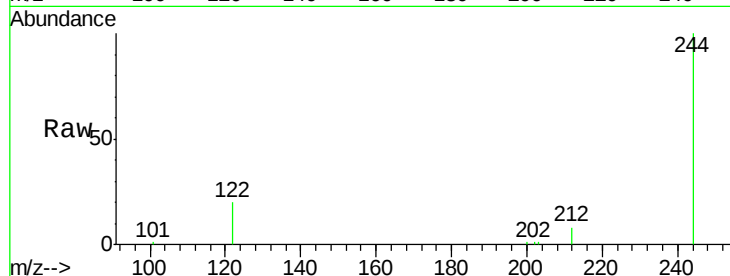
Tgt Ion:244 Resp: 13135

Ion Ratio Lower Upper

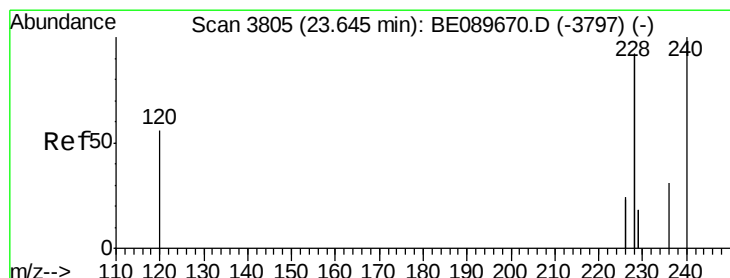
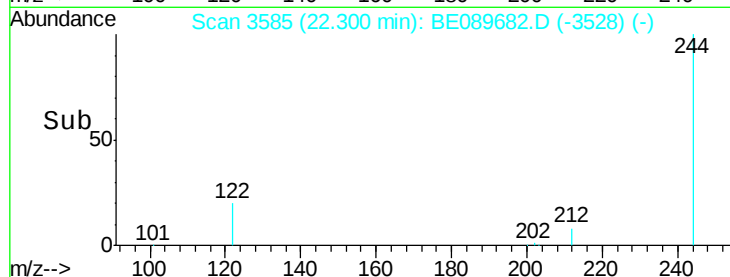
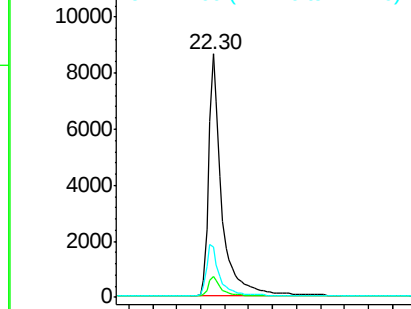
244 100

212 8.4 7.0 10.6

122 20.4 15.4 23.0



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: 0.83 ng

RT: 23.65 min Scan# 3805

Delta R.T. 0.00 min

Lab File: BE089682.D

Acq: 24 Feb 2015 22:10

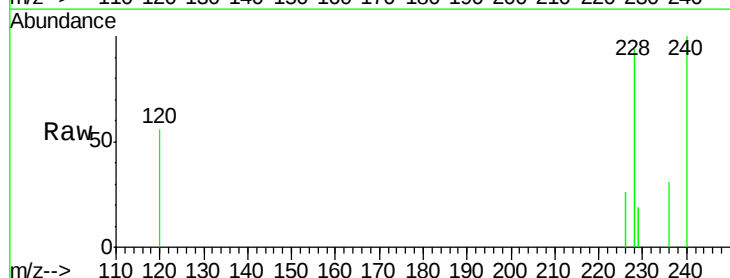
Tgt Ion:228 Resp: 41912

Ion Ratio Lower Upper

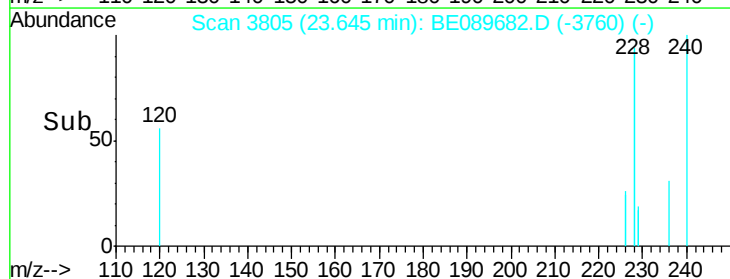
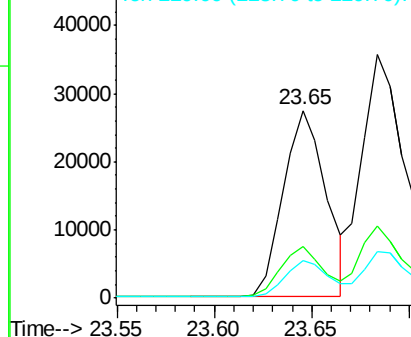
228 100

226 27.3 20.6 31.0

229 19.7 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





#23

Chrysene

Concen: 1.11 ng

RT: 23.68 min Scan# 3811

Delta R.T. 0.00 min

Lab File: BE089682.D

Acq: 24 Feb 2015 22:10

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

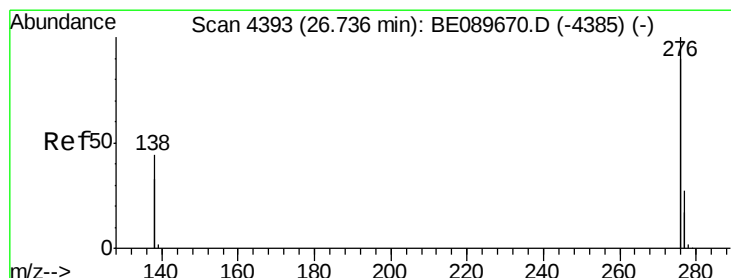
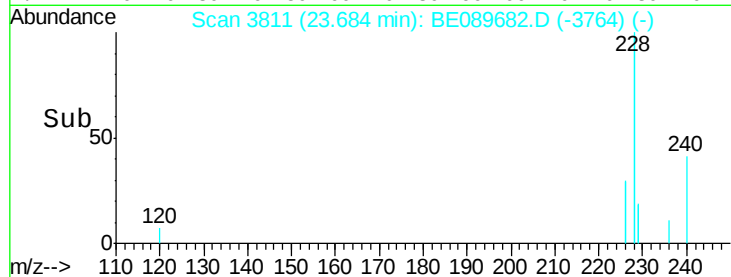
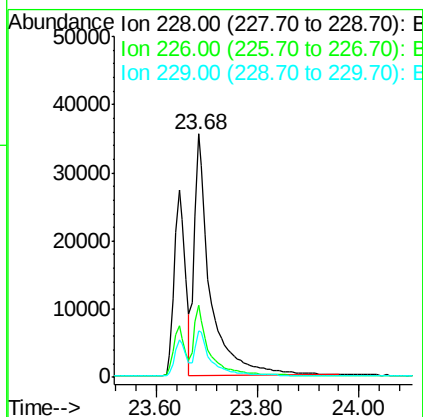
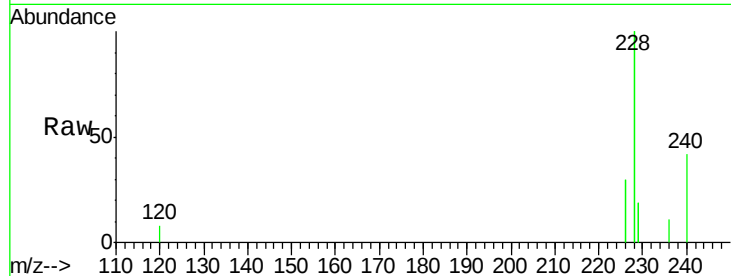
Tgt Ion:228 Resp: 77171

Ion Ratio Lower Upper

228 100

226 29.8 23.6 35.4

229 19.3 15.3 22.9



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.81 ng

RT: 26.74 min Scan# 4393

Delta R.T. -0.00 min

Lab File: BE089682.D

Acq: 24 Feb 2015 22:10

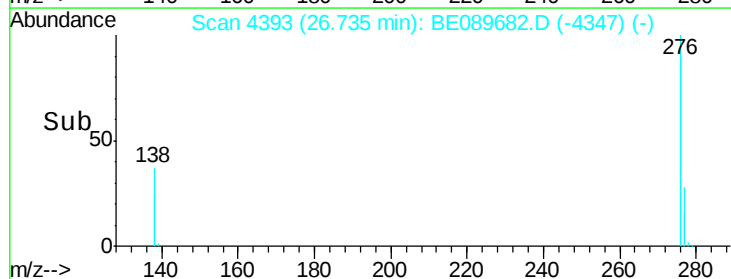
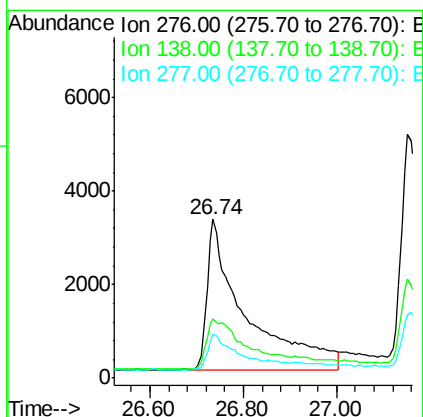
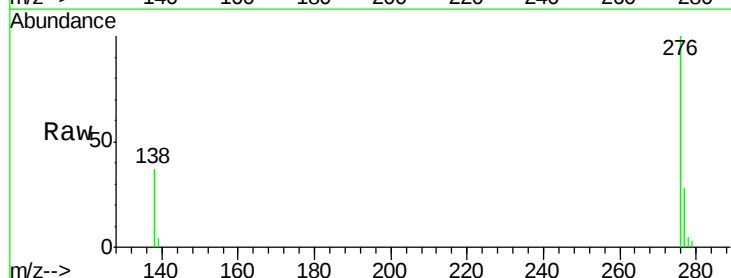
Tgt Ion:276 Resp: 18352

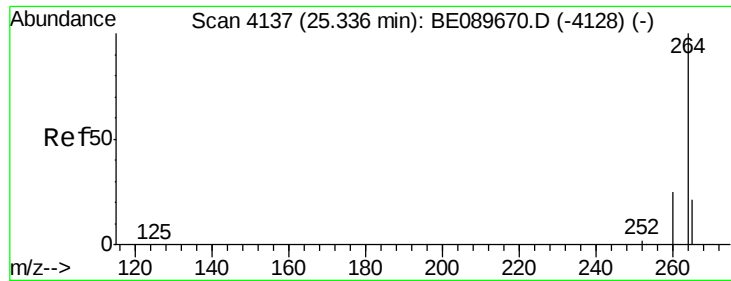
Ion Ratio Lower Upper

276 100

138 37.6 0.0 0.0#

277 20.5 5.2 7.8#

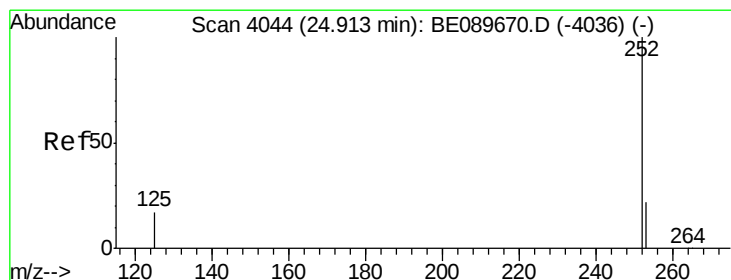
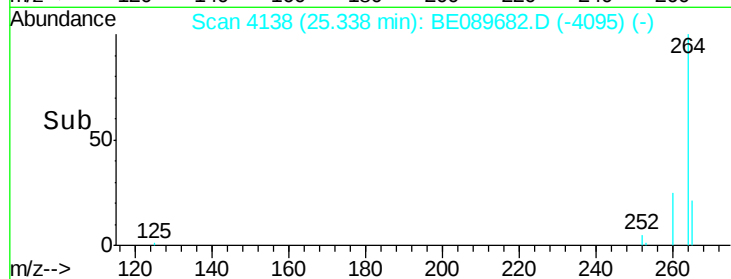
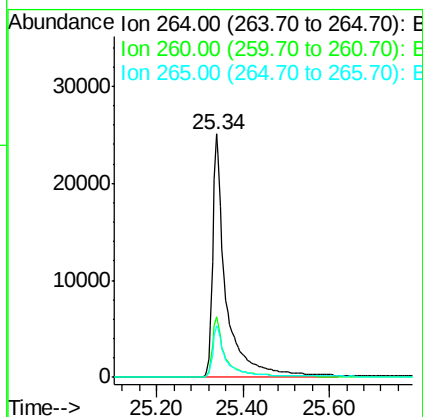
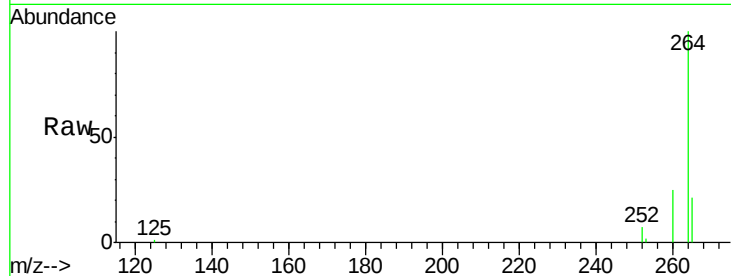




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4138
 Delta R.T. 0.00 min
 Lab File: BE089682.D
 Acq: 24 Feb 2015 22:10

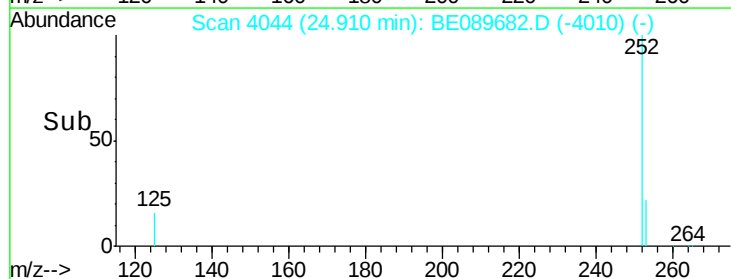
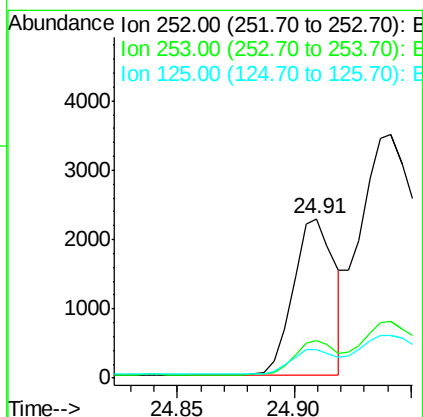
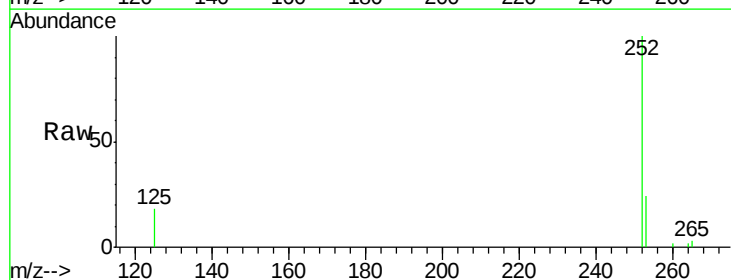
Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

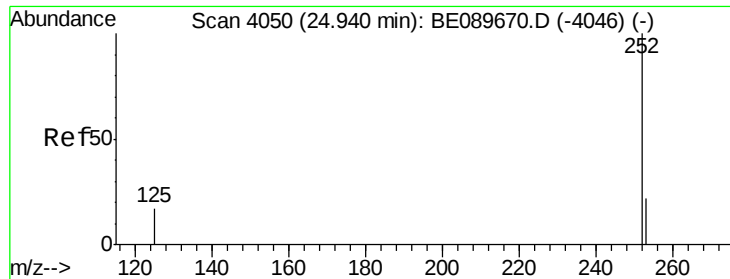
Tgt Ion: 264 Resp: 54645
 Ion Ratio Lower Upper
 264 100
 260 25.0 20.2 30.4
 265 21.3 17.0 25.4



#26
 Benzo(b)fluoranthene
 Concen: 0.74 ng
 RT: 24.91 min Scan# 4044
 Delta R.T. -0.00 min
 Lab File: BE089682.D
 Acq: 24 Feb 2015 22:10

Tgt Ion: 252 Resp: 2763
 Ion Ratio Lower Upper
 252 100
 253 23.5 18.6 27.8
 125 18.1 15.0 22.6





#27

Benzo(k)fluoranthene

Concen: 0.94 ng

RT: 24.94 min Scan# 4051

Delta R.T. 0.00 min

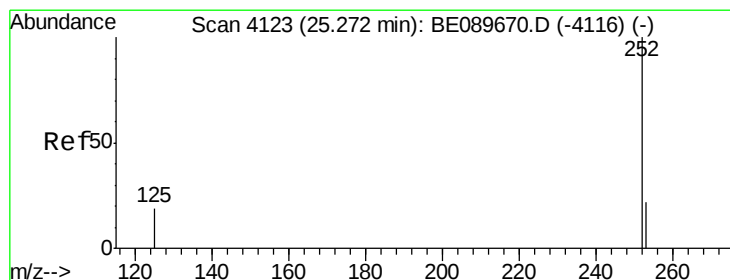
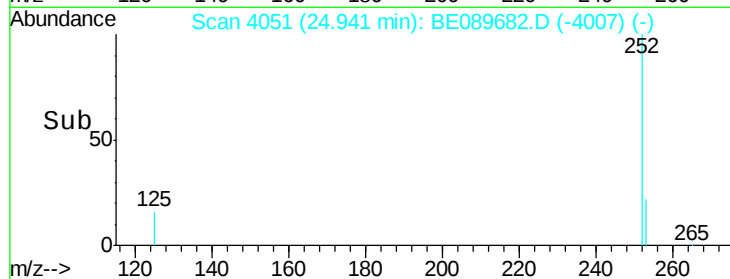
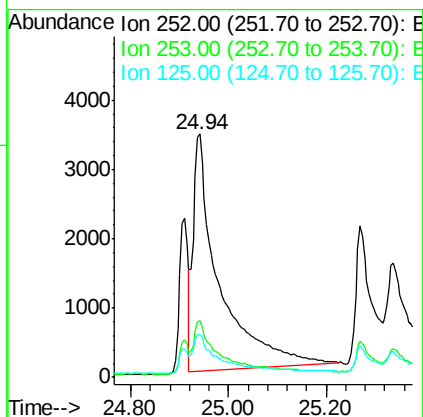
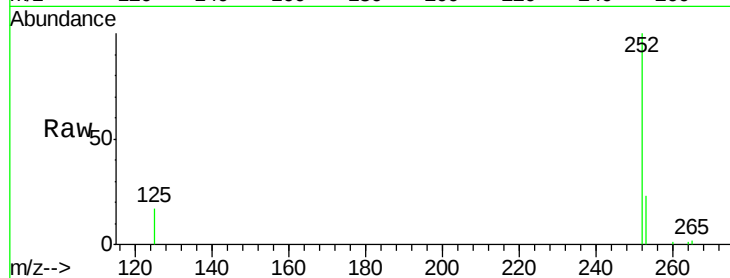
Lab File: BE089682.D

Acq: 24 Feb 2015 22:10

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion: 252 Resp: 12709

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	17.4	14.3	21.5



#28

Benzo(a)pyrene

Concen: 0.98 ng

RT: 25.27 min Scan# 4123

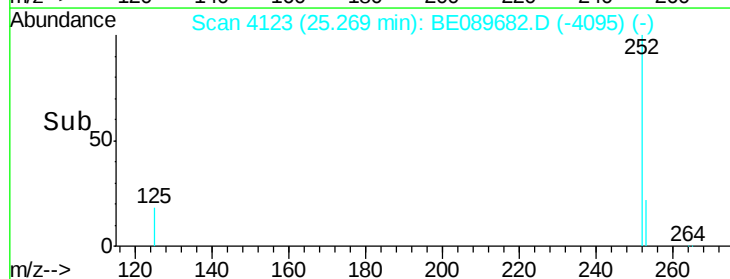
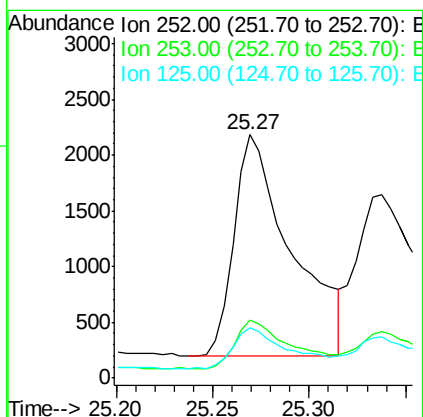
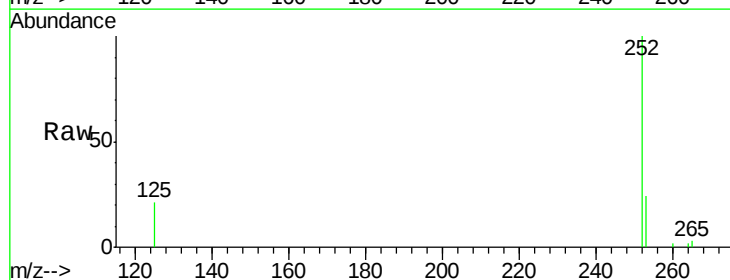
Delta R.T. -0.00 min

Lab File: BE089682.D

Acq: 24 Feb 2015 22:10

Tgt Ion: 252 Resp: 4124

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.8	28.2
125	20.5	16.6	24.8





#29

Dibenzo(a,h)anthracene

Concen: 0.82 ng

RT: 26.77 min Scan# 4398

Delta R.T. -0.00 min

Lab File: BE089682.D

Acq: 24 Feb 2015 22:10

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

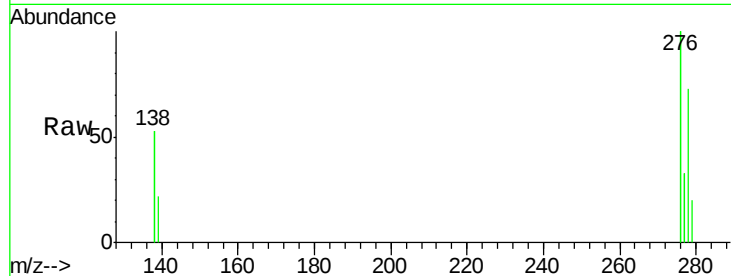
Tgt Ion: 278 Resp: 3077

Ion Ratio Lower Upper

278 100

139 30.0 30.4 45.6#

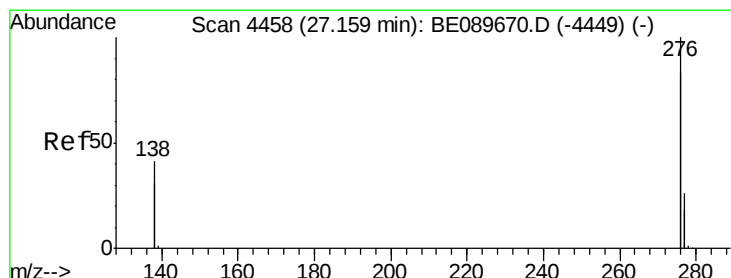
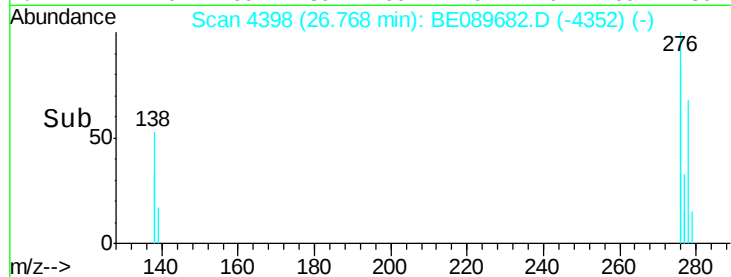
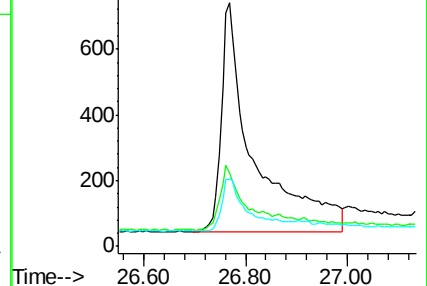
279 27.7 22.0 33.0



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#30

Benzo(g,h,i)perylene

Concen: 0.95 ng

RT: 27.15 min Scan# 4457

Delta R.T. -0.01 min

Lab File: BE089682.D

Acq: 24 Feb 2015 22:10

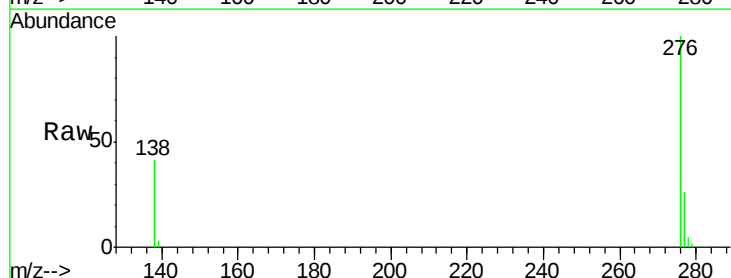
Tgt Ion: 276 Resp: 25203

Ion Ratio Lower Upper

276 100

277 25.8 21.0 31.6

138 40.7 33.0 49.4



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

