

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010915\
 Data File : BE089390.D
 Acq On : 9 Jan 2015 20:39
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Quant Time: Jan 10 00:41:19 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BASE-BE010715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 10 00:23:37 2015
 Response via : Initial Calibration

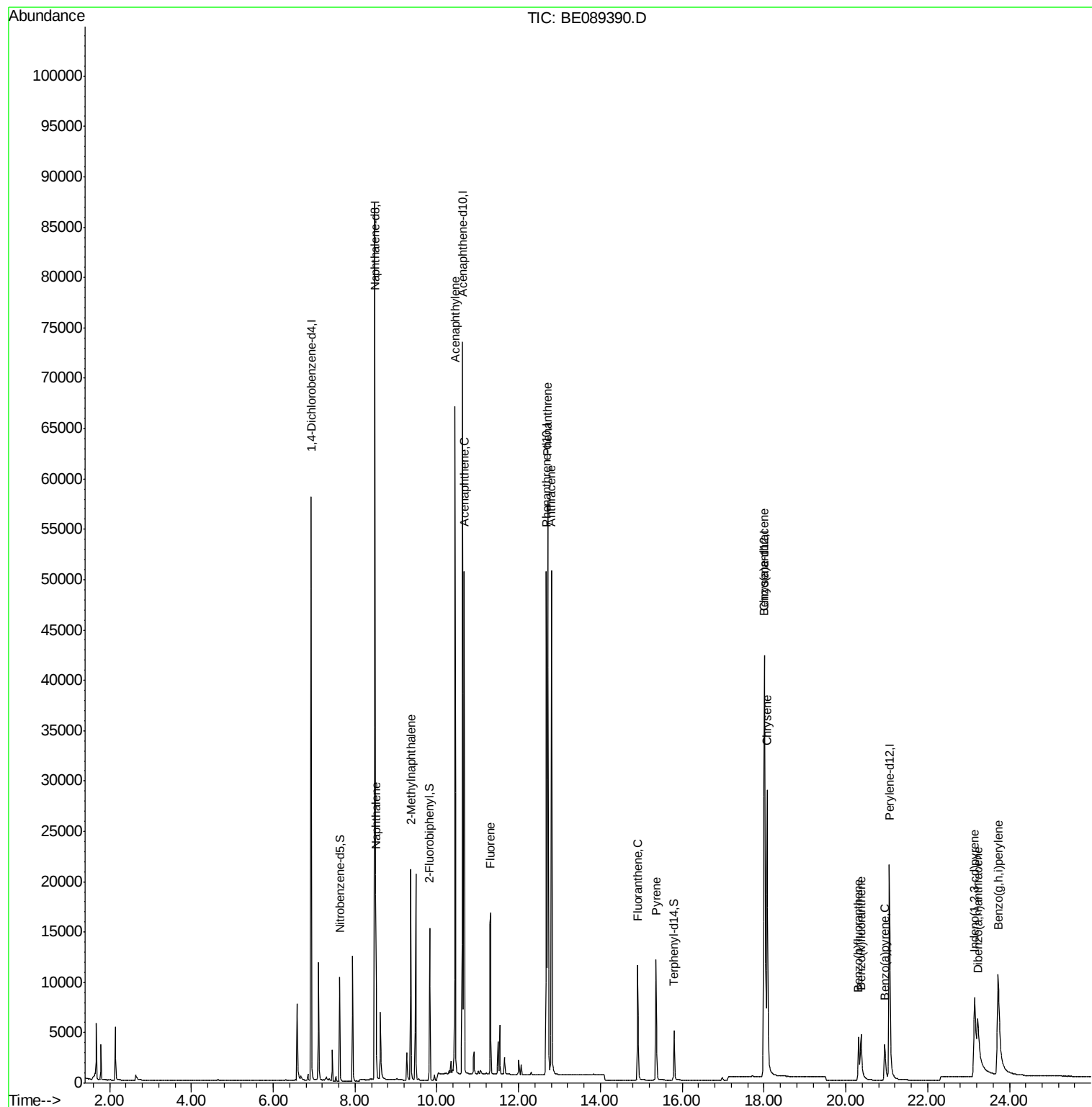
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	18739	5.00	ng	0.00
2) Naphthalene-d8	8.49	136	72289	5.00	ng	0.00
6) Acenaphthene-d10	10.63	164	33642	5.00	ng	0.00
11) Phenanthrene-d10	12.68	188	51579	5.00	ng	0.00
15) Chrysene-d12	18.02	240	38114	5.00	ng	0.00
21) Perylene-d12	21.06	264	33293	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	7.63	82	5277	1.05	ng	0.00
7) 2-Fluorobiphenyl	9.83	172	9504	1.04	ng	0.00
17) Terphenyl-d14	15.80	244	6598	0.98	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	8.52	128	16776	1.03	ng	99
5) 2-Methylnaphthalene	9.37	142	10476	1.03	ng	99
8) Acenaphthylene	10.45	152	60403	1.05	ng	100
9) Acenaphthene	10.67	154	9027	1.01	ng	93
10) Fluorene	11.32	166	9918	1.03	ng	100
12) Phenanthrene	12.72	178	55813	1.04	ng	100
13) Anthracene	12.80	178	53936	1.04	ng	99
14) Fluoranthene	14.91	202	11984	1.01	ng	99
16) Pyrene	15.36	202	12865	1.03	ng	100
18) Benzo(a)anthracene	18.00	228	37559	0.97	ng	100
19) Chrysene	18.08	228	40723	1.05	ng	99
20) Indeno(1,2,3-cd)pyrene	23.15	276	17320	0.47	ng	97
22) Benzo(b)fluoranthene	20.31	252	6773	0.93	ng	100
23) Benzo(k)fluoranthene	20.37	252	9970	1.09	ng	100
24) Benzo(a)pyrene	20.95	252	6572	0.92	ng	99
25) Dibenzo(a,h)anthracene	23.23	278	5511	0.84	ng	99
26) Benzo(g,h,i)perylene	23.73	276	29026	0.88	ng	99

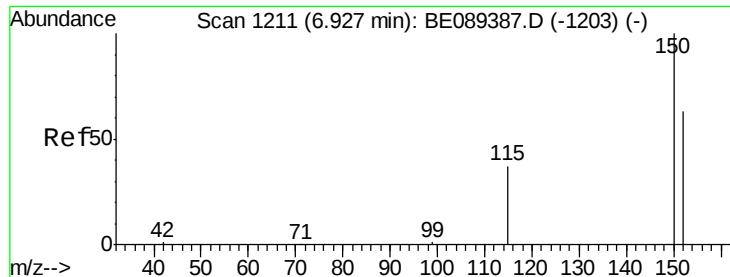
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.93 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BE089390.D

Acq: 9 Jan 2015 20:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

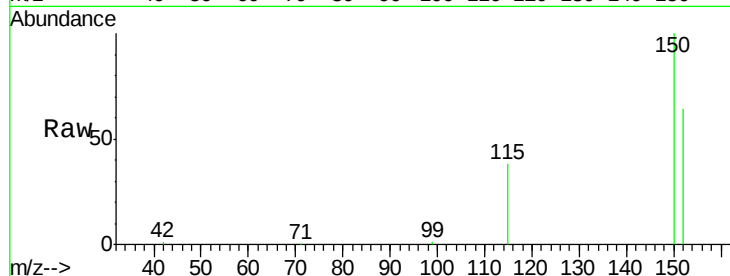
Tgt Ion:152 Resp: 18739

Ion Ratio Lower Upper

152 100

150 156.9 121.5 182.3

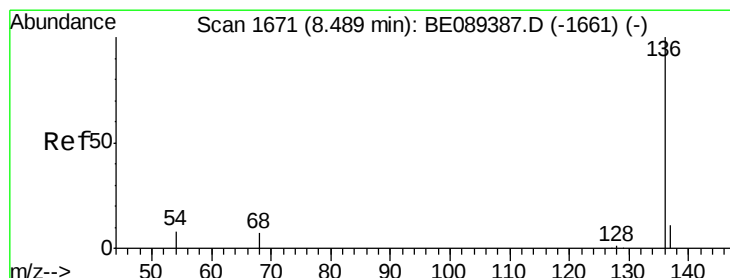
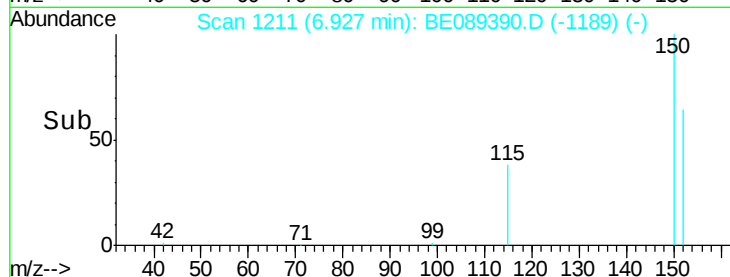
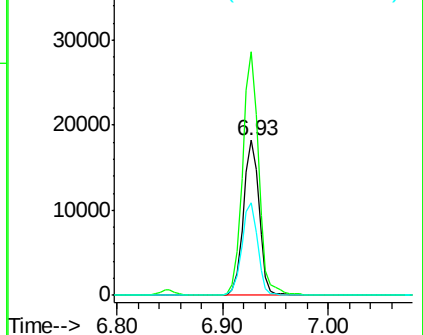
115 59.5 45.2 67.8



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

Naphthalene-d8

Concen: 5.00 ng

RT: 8.49 min Scan# 1671

Delta R.T. 0.00 min

Lab File: BE089390.D

Acq: 9 Jan 2015 20:39

Tgt Ion:136 Resp: 72289

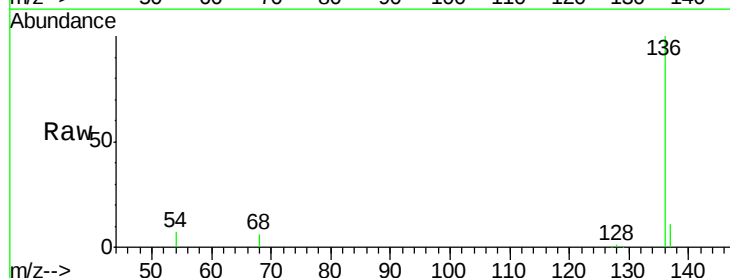
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 7.4 5.4 8.0

68 6.5 4.7 7.1

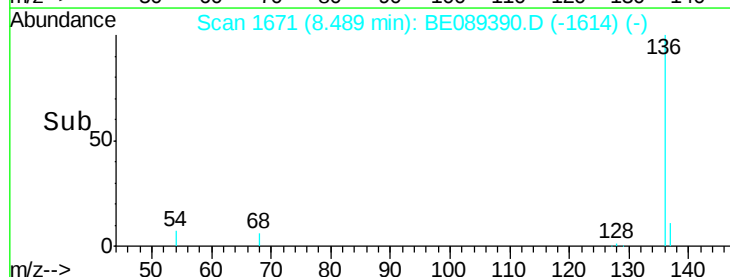
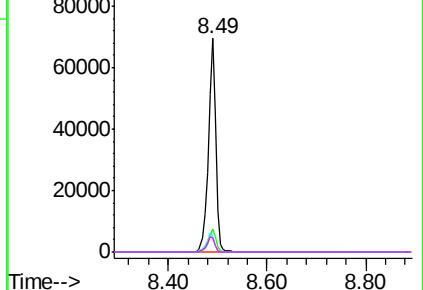


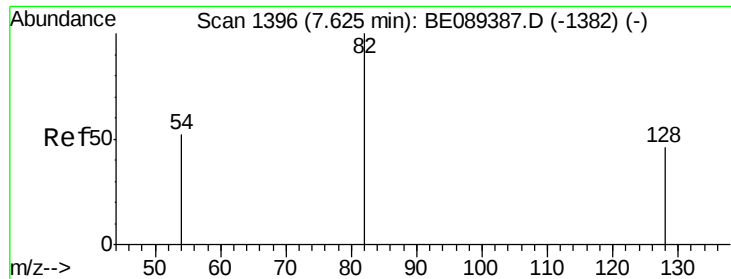
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

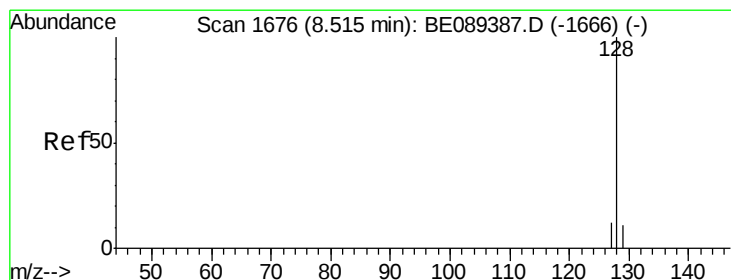
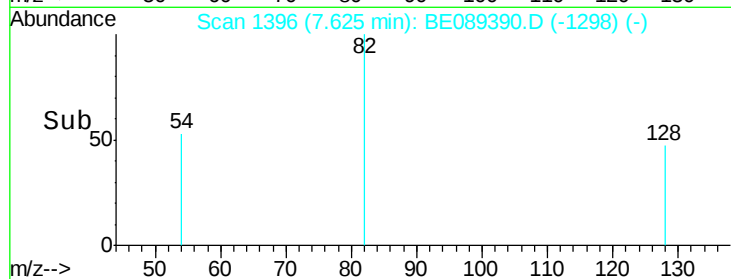
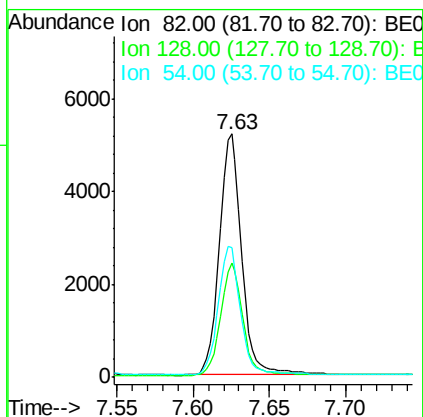
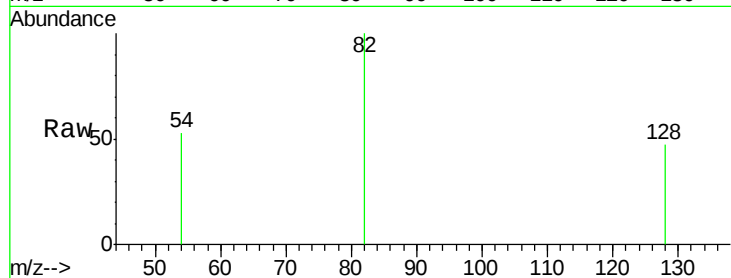




#3
 Nitrobenzene-d5
 Concen: 1.05 ng
 RT: 7.63 min Scan# 1396
 Delta R.T. 0.00 min
 Lab File: BE089390.D
 Acq: 9 Jan 2015 20:39

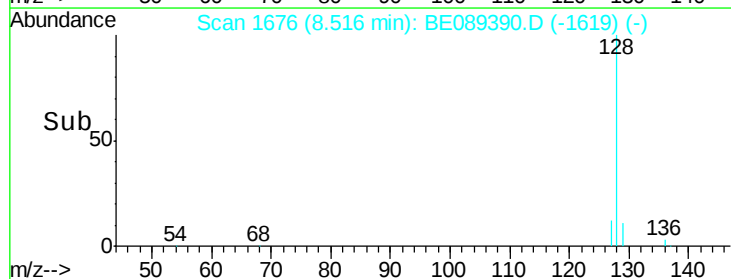
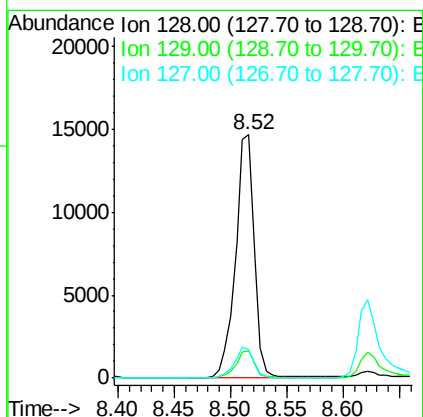
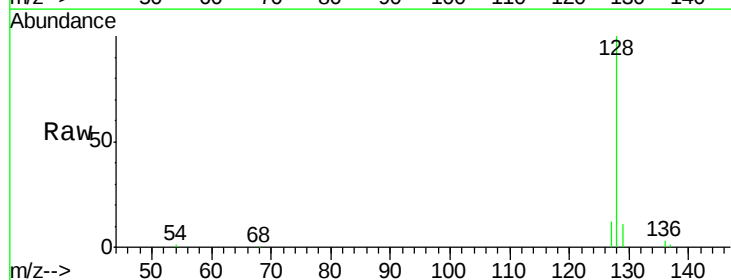
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

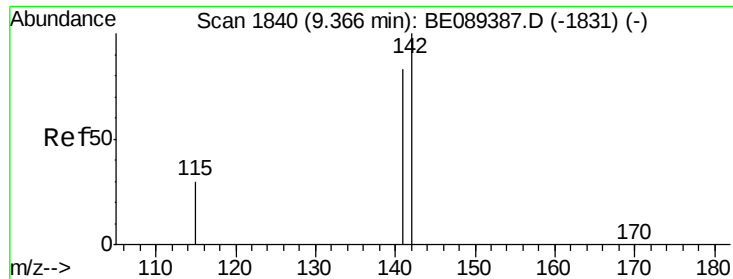
Tgt Ion: 82 Resp: 5277
 Ion Ratio Lower Upper
 82 100
 128 46.9 36.5 54.7
 54 53.0 43.5 65.3



#4
 Naphthalene
 Concen: 1.03 ng
 RT: 8.52 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: BE089390.D
 Acq: 9 Jan 2015 20:39

Tgt Ion: 128 Resp: 16776
 Ion Ratio Lower Upper
 128 100
 129 11.4 8.8 13.2
 127 11.8 10.0 15.0





#5

2-Methylnaphthalene

Concen: 1.03 ng

RT: 9.37 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BE089390.D

Acq: 9 Jan 2015 20:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

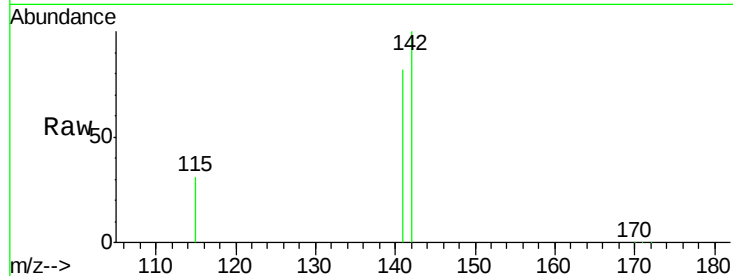
Tgt Ion:142 Resp: 10476

Ion Ratio Lower Upper

142 100

141 82.2 66.3 99.5

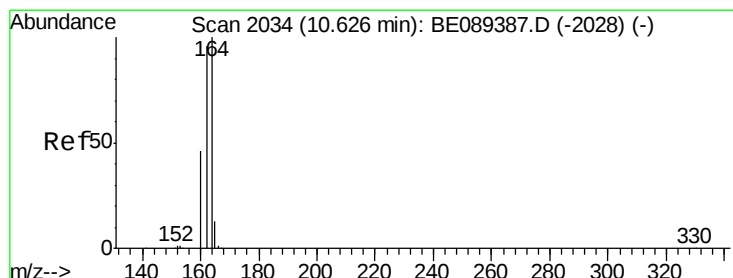
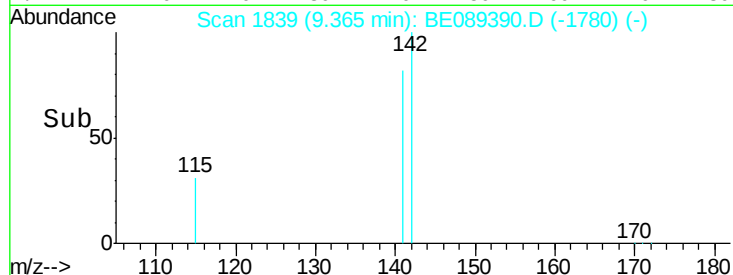
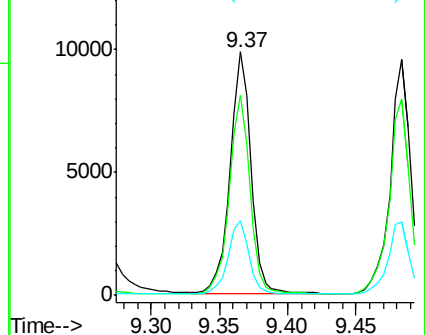
115 30.9 25.2 37.8



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



#6

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.63 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BE089390.D

Acq: 9 Jan 2015 20:39

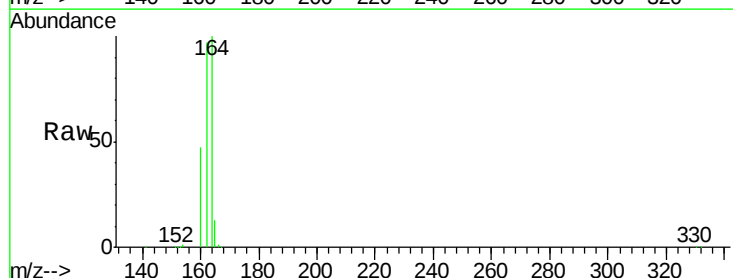
Tgt Ion:164 Resp: 33642

Ion Ratio Lower Upper

164 100

162 96.9 77.4 116.2

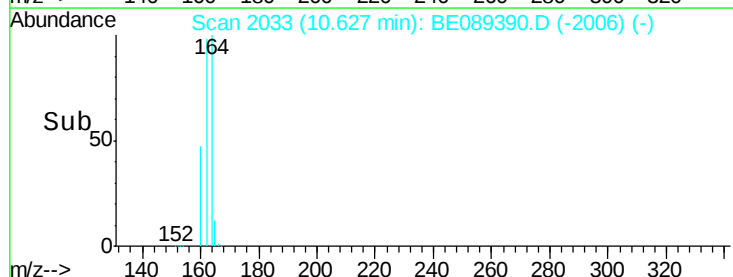
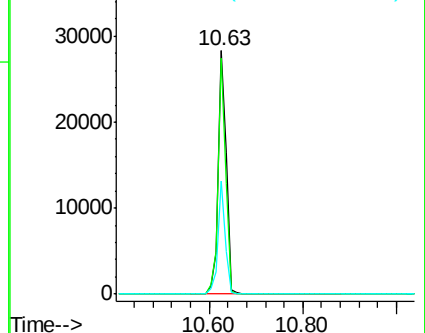
160 46.6 38.2 57.4

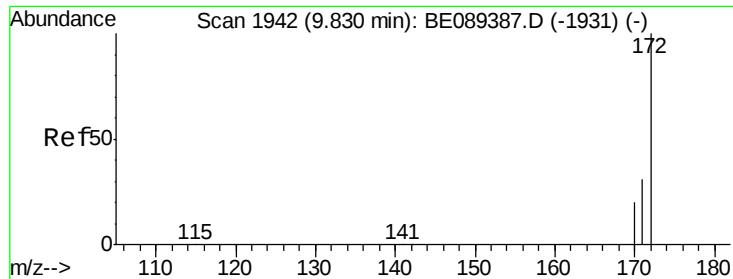


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 1.04 ng

RT: 9.83 min Scan# 1941

Delta R.T. -0.00 min

Lab File: BE089390.D

Acq: 9 Jan 2015 20:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

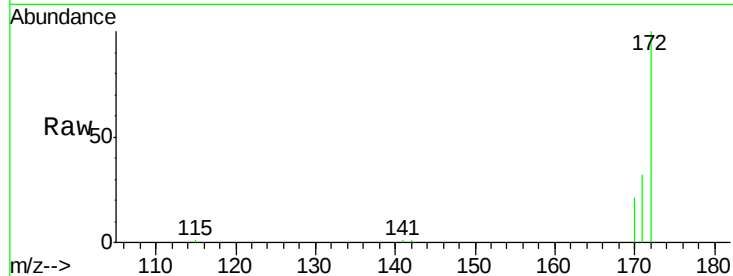
Tgt Ion:172 Resp: 9504

Ion Ratio Lower Upper

172 100

171 31.7 26.4 39.6

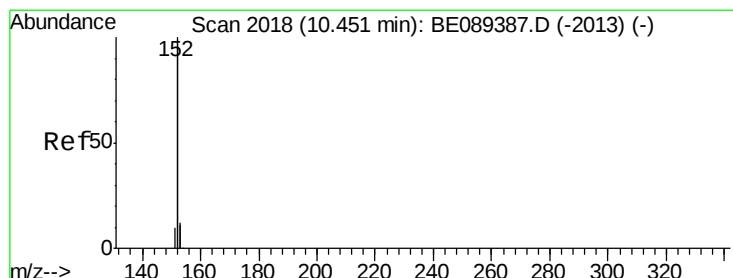
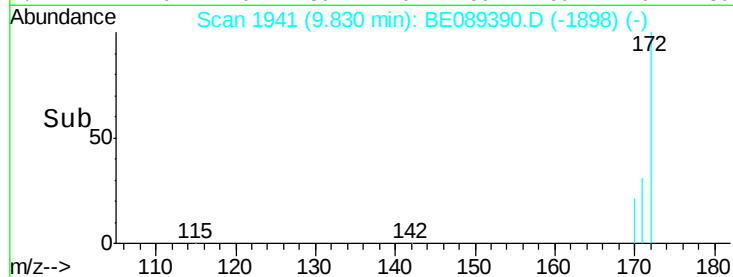
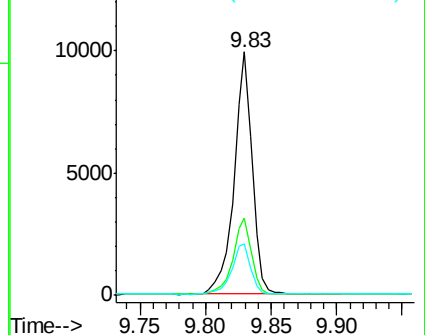
170 21.0 18.0 27.0



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#8

Acenaphthylene

Concen: 1.05 ng

RT: 10.45 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BE089390.D

Acq: 9 Jan 2015 20:39

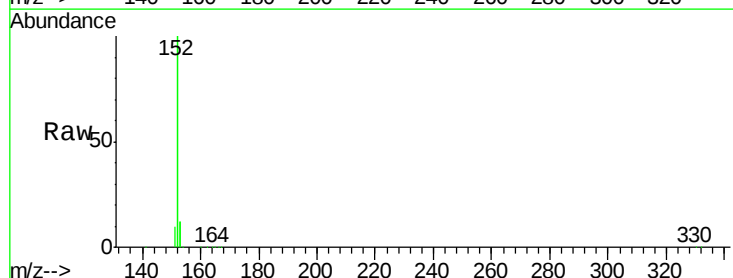
Tgt Ion:152 Resp: 60403

Ion Ratio Lower Upper

152 100

151 5.0 4.1 6.1

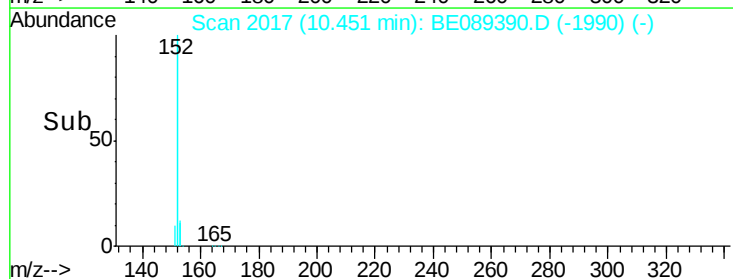
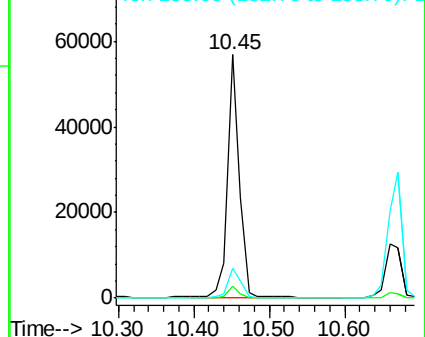
153 12.0 9.8 14.6

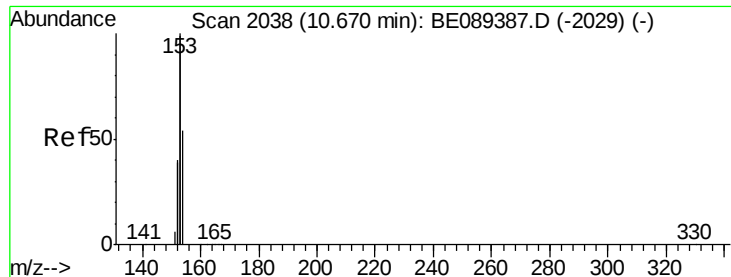


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 1.01 ng

RT: 10.67 min Scan# 2037

Delta R.T. 0.00 min

Lab File: BE089390.D

Acq: 9 Jan 2015 20:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

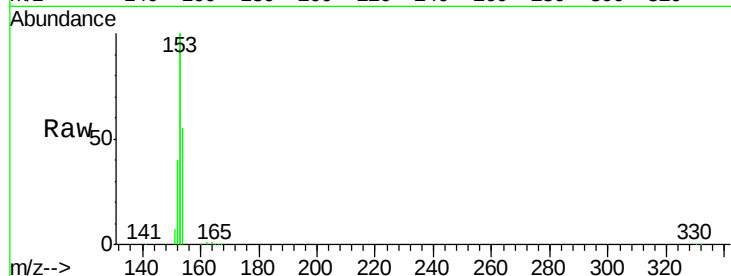
Tgt Ion:154 Resp: 9027

Ion Ratio Lower Upper

154 100

153 362.1 300.6 450.8

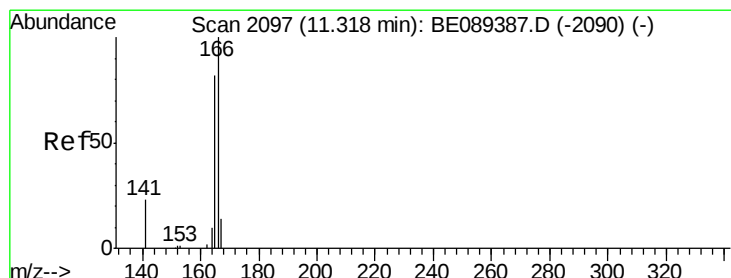
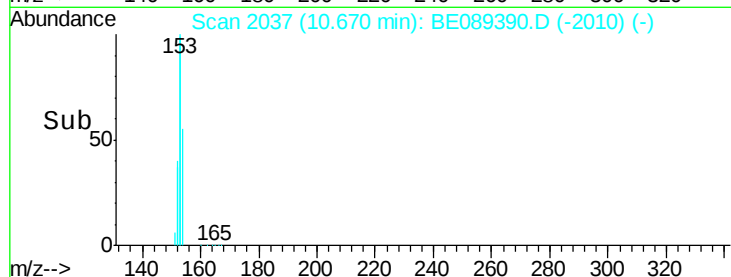
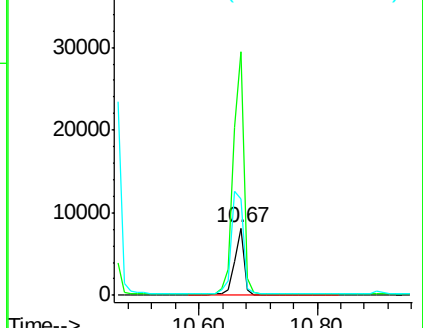
152 144.1 123.3 184.9



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



#10

Fluorene

Concen: 1.03 ng

RT: 11.32 min Scan# 2096

Delta R.T. 0.00 min

Lab File: BE089390.D

Acq: 9 Jan 2015 20:39

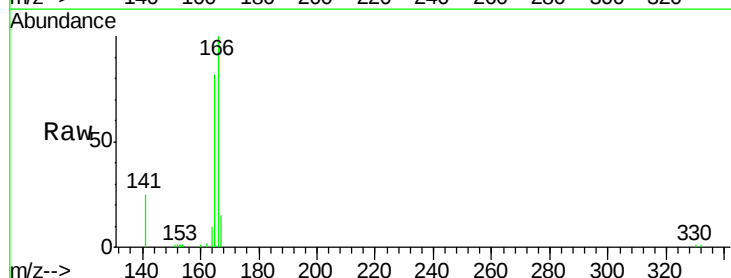
Tgt Ion:166 Resp: 9918

Ion Ratio Lower Upper

166 100

165 89.8 72.1 108.1

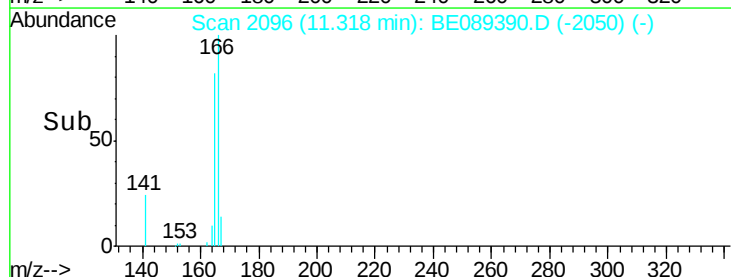
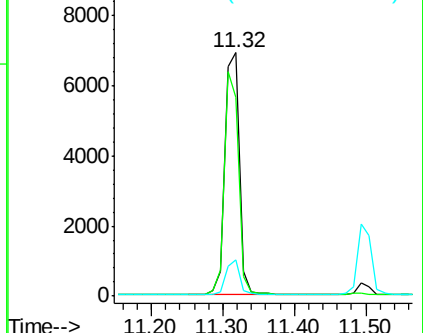
167 13.5 11.0 16.4

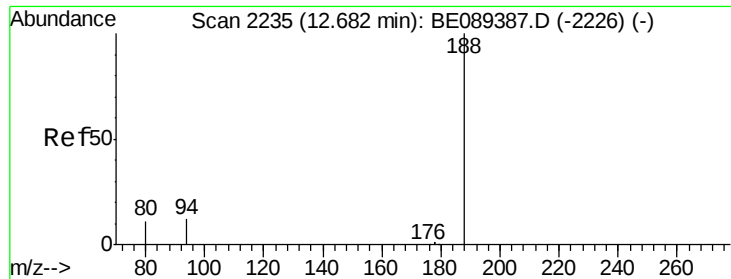


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

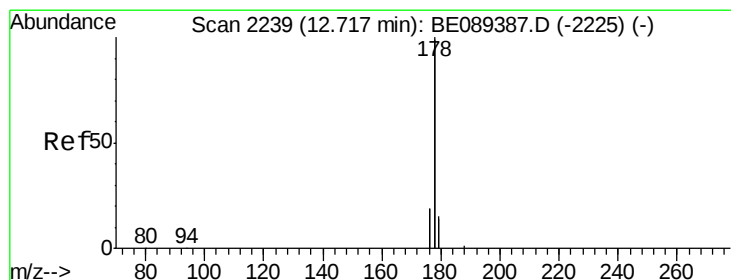
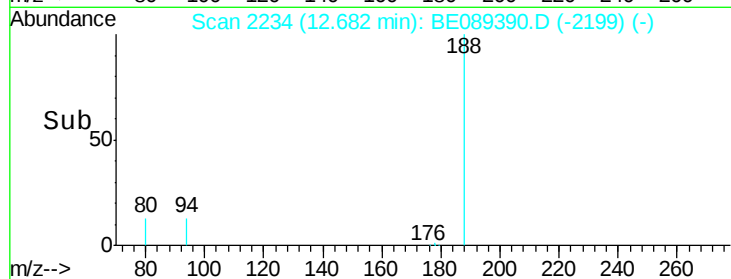
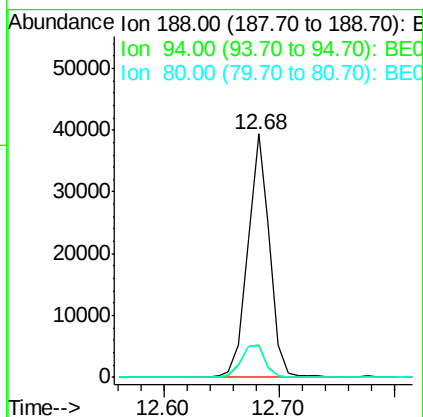
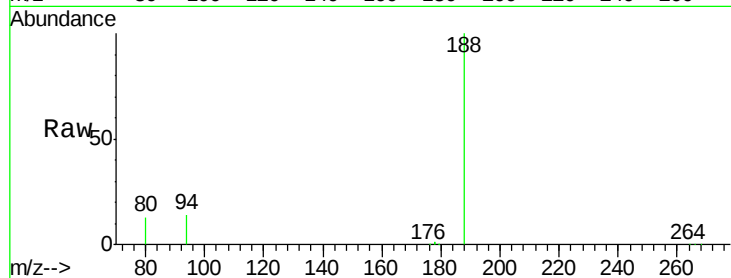




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.68 min Scan# 2234
Delta R.T. -0.00 min
Lab File: BE089390.D
Acq: 9 Jan 2015 20:39

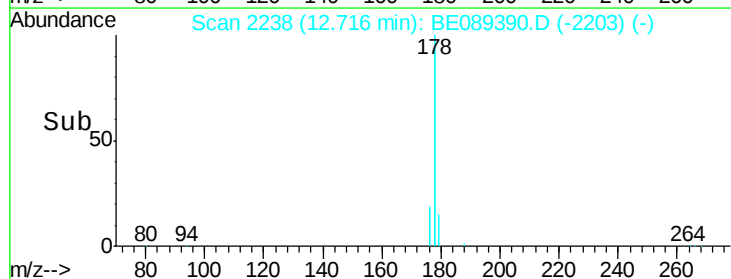
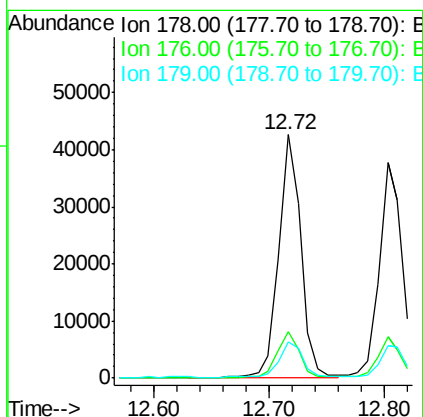
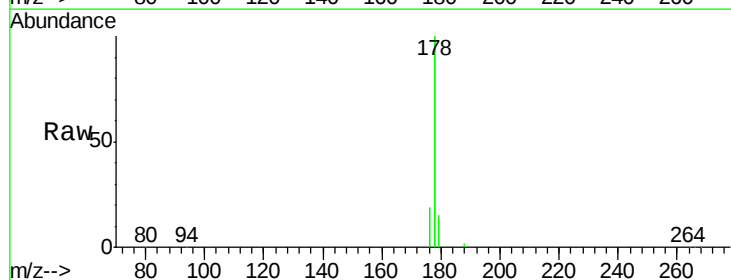
Instrument :
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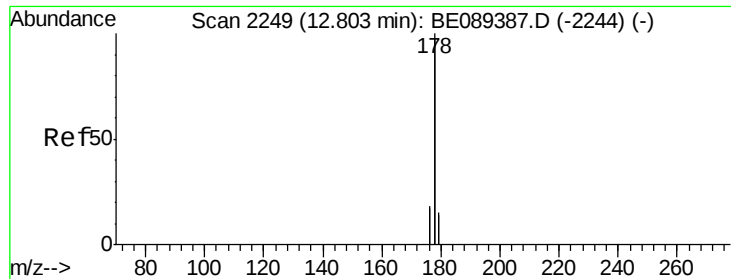
Tgt Ion:188 Resp: 51579
Ion Ratio Lower Upper
188 100
94 13.6 11.0 12.2#
80 12.6 10.1 11.1#



#12
Phenanthrene
Concen: 1.04 ng
RT: 12.72 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BE089390.D
Acq: 9 Jan 2015 20:39

Tgt Ion:178 Resp: 55813
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.1 12.2 18.2





#13

Anthracene

Concen: 1.04 ng

RT: 12.80 min Scan# 2248

Delta R.T. -0.00 min

Lab File: BE089390.D

Acq: 9 Jan 2015 20:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

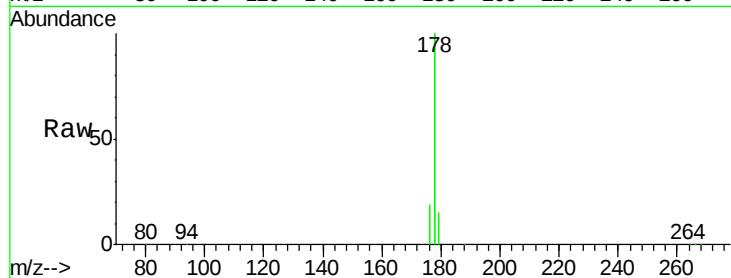
Tgt Ion:178 Resp: 53936

Ion Ratio Lower Upper

178 100

176 19.2 14.7 22.1

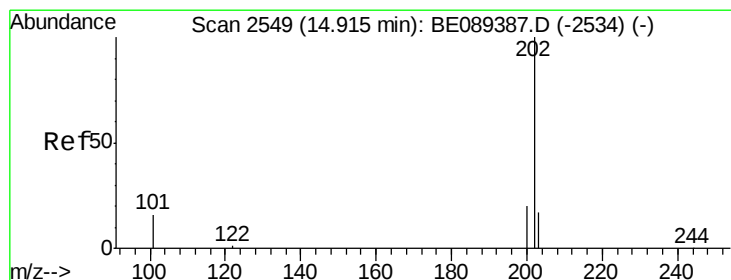
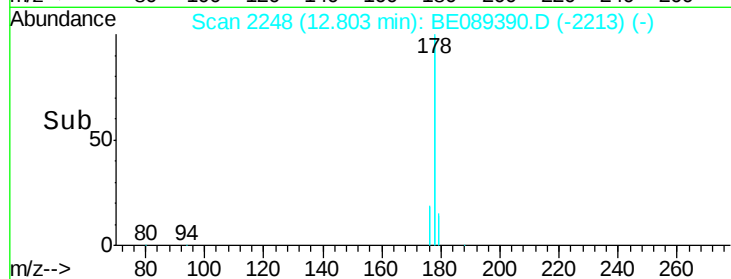
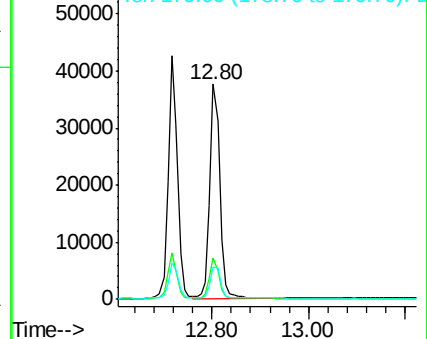
179 15.0 12.0 18.0



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



#14

Fluoranthene

Concen: 1.01 ng

RT: 14.91 min Scan# 2548

Delta R.T. -0.00 min

Lab File: BE089390.D

Acq: 9 Jan 2015 20:39

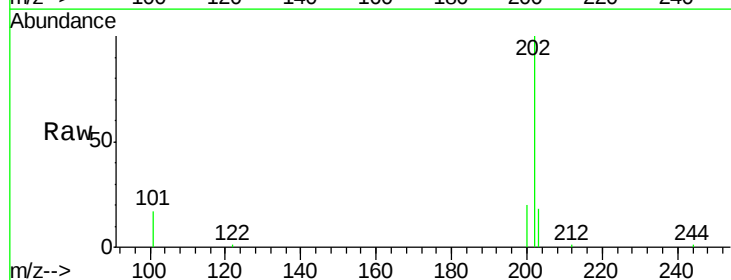
Tgt Ion:202 Resp: 11984

Ion Ratio Lower Upper

202 100

101 17.3 0.0 37.9

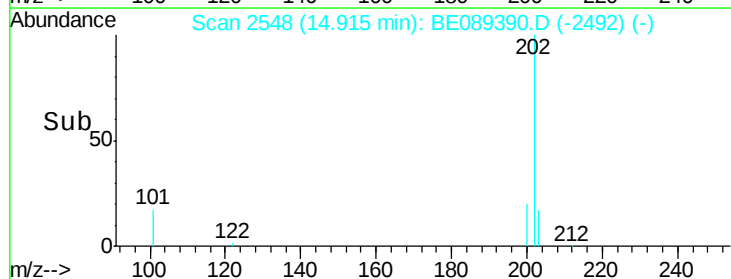
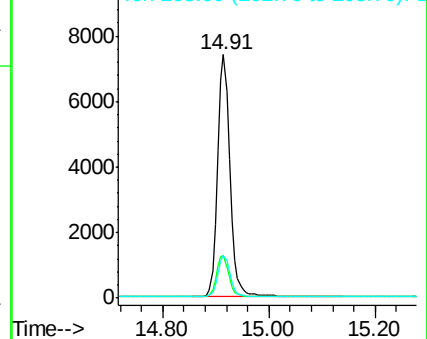
203 17.8 0.0 37.5

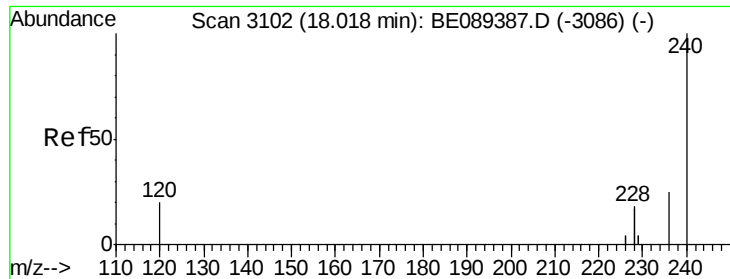


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#15

Chrysene-d12

Concen: 5.00 ng

RT: 18.02 min Scan# 3101

Delta R.T. 0.00 min

Lab File: BE089390.D

Acq: 9 Jan 2015 20:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

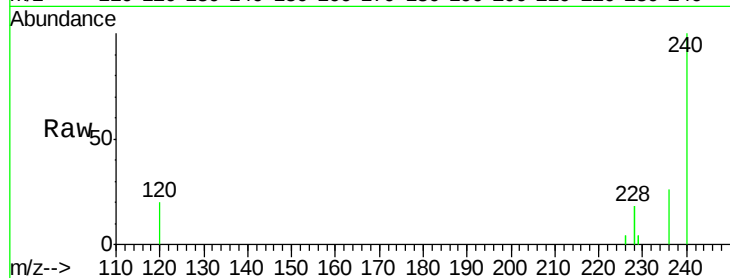
Tgt Ion:240 Resp: 38114

Ion Ratio Lower Upper

240 100

120 19.8 11.8 17.6#

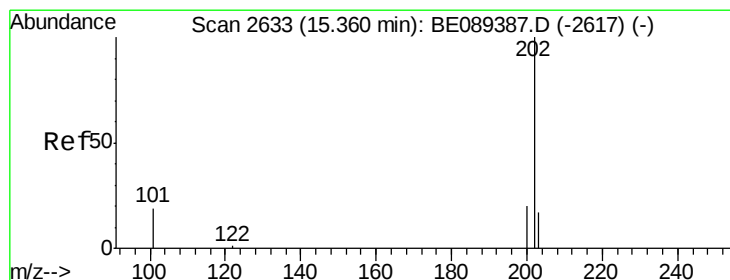
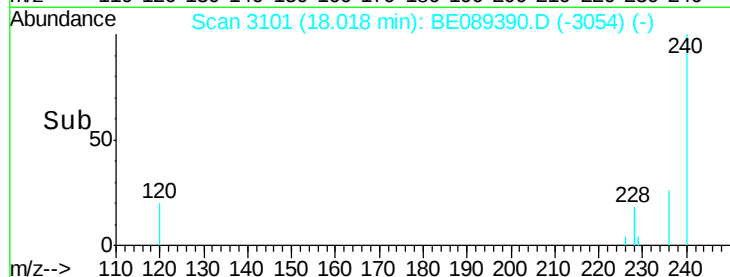
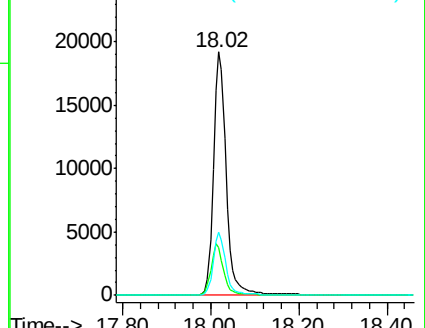
236 25.8 20.0 30.0



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



#16

Pyrene

Concen: 1.03 ng

RT: 15.36 min Scan# 2632

Delta R.T. -0.00 min

Lab File: BE089390.D

Acq: 9 Jan 2015 20:39

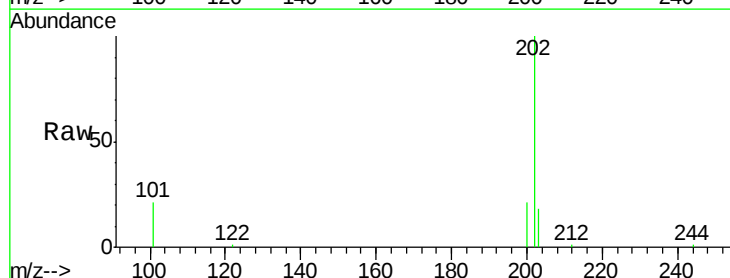
Tgt Ion:202 Resp: 12865

Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

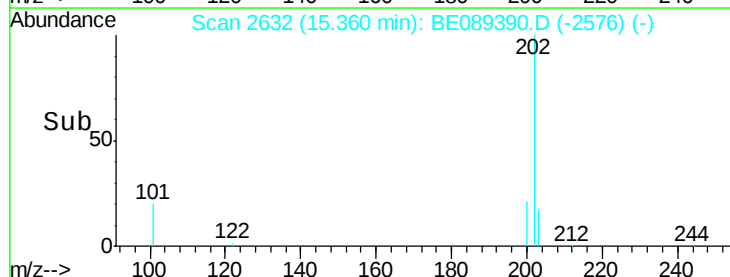
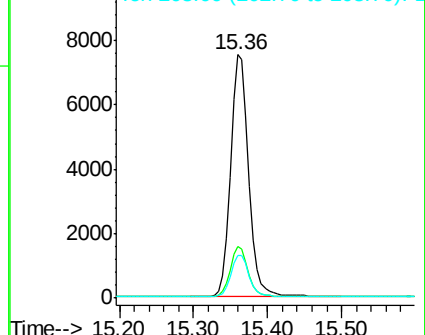
203 17.6 14.0 21.0

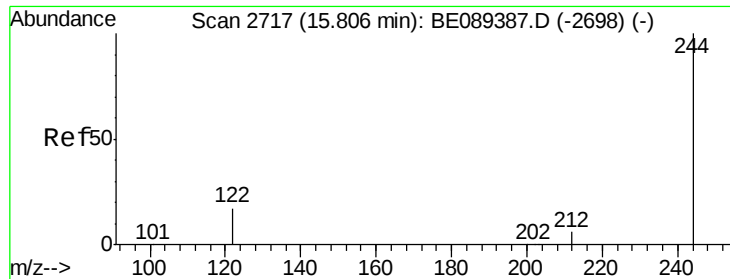


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

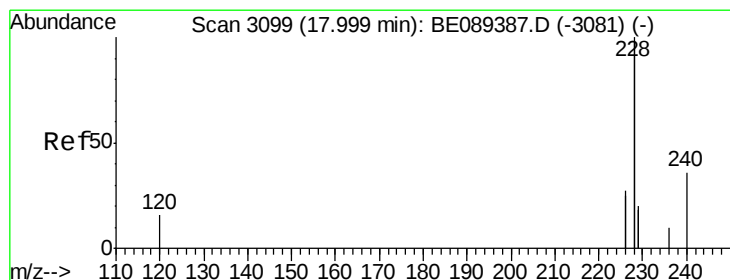
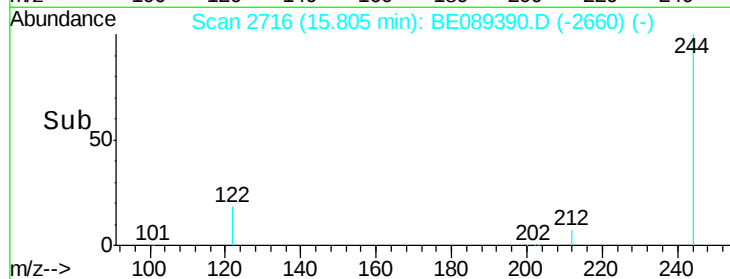
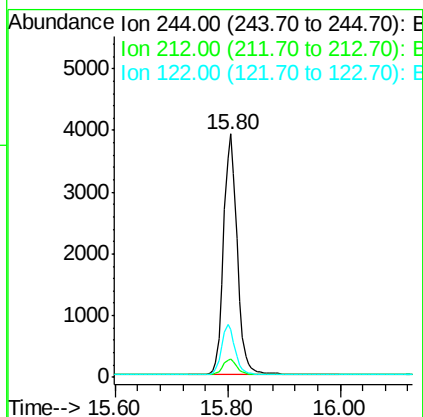
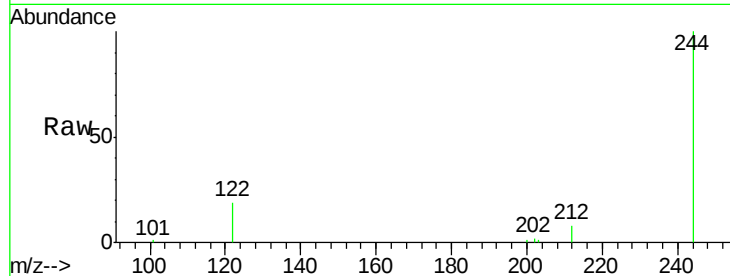




#17
 Terphenyl-d14
 Concen: 0.98 ng
 RT: 15.80 min Scan# 2716
 Delta R.T. -0.00 min
 Lab File: BE089390.D
 Acq: 9 Jan 2015 20:39

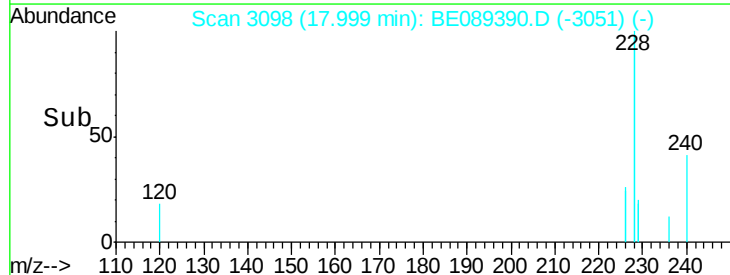
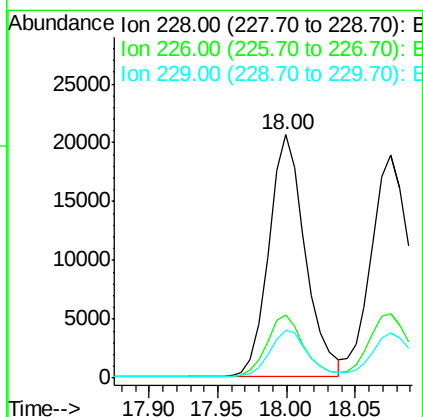
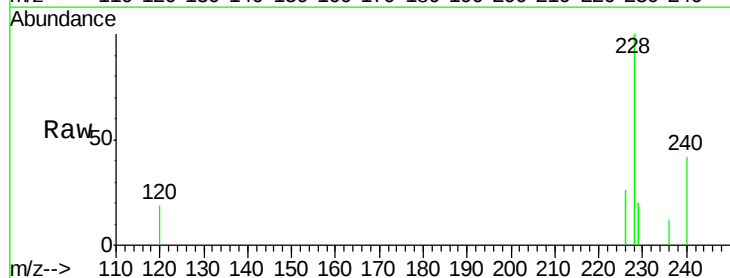
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

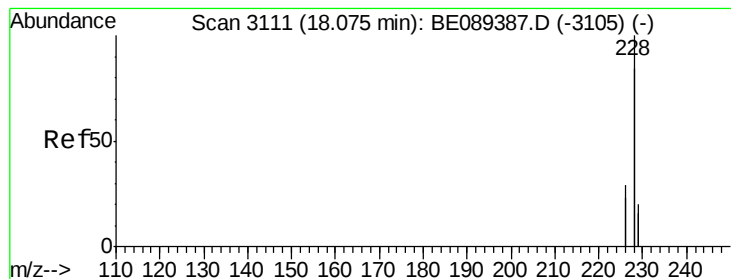
Tgt Ion:244 Resp: 6598
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.3 9.5
 122 19.4 17.7 26.5



#18
 Benzo(a)anthracene
 Concen: 0.97 ng
 RT: 18.00 min Scan# 3098
 Delta R.T. 0.00 min
 Lab File: BE089390.D
 Acq: 9 Jan 2015 20:39

Tgt Ion:228 Resp: 37559
 Ion Ratio Lower Upper
 228 100
 226 26.2 21.0 31.6
 229 19.8 16.0 24.0





#19

Chrysene

Concen: 1.05 ng

RT: 18.08 min Scan# 3110

Delta R.T. 0.00 min

Lab File: BE089390.D

Acq: 9 Jan 2015 20:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

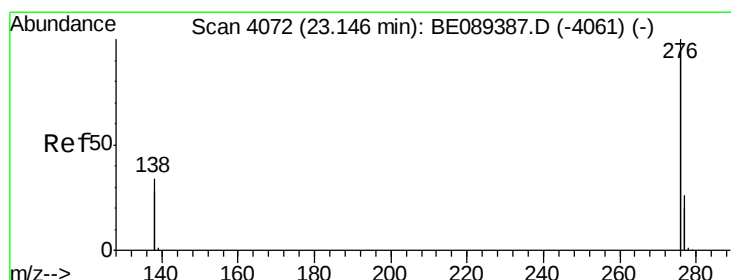
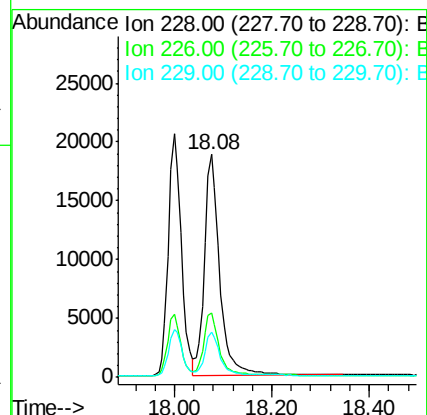
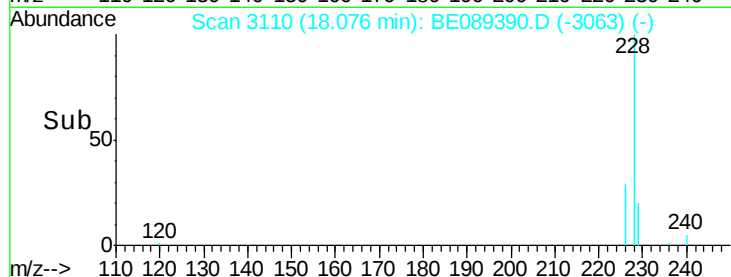
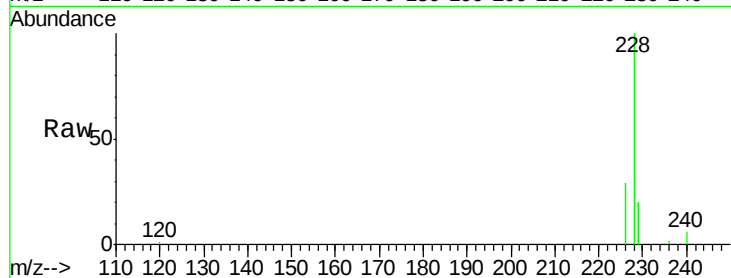
Tgt Ion:228 Resp: 40723

Ion Ratio Lower Upper

228 100

226 29.0 23.5 35.3

229 20.3 16.1 24.1



#20

Indeno(1,2,3-cd)pyrene

Concen: 0.47 ng

RT: 23.15 min Scan# 4071

Delta R.T. 0.00 min

Lab File: BE089390.D

Acq: 9 Jan 2015 20:39

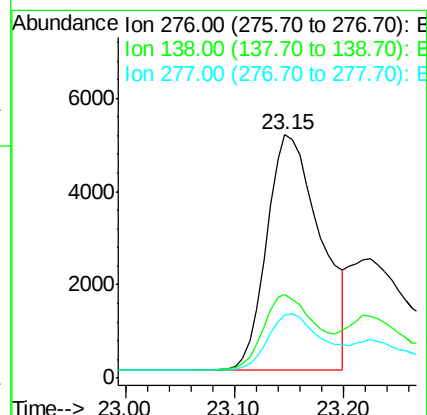
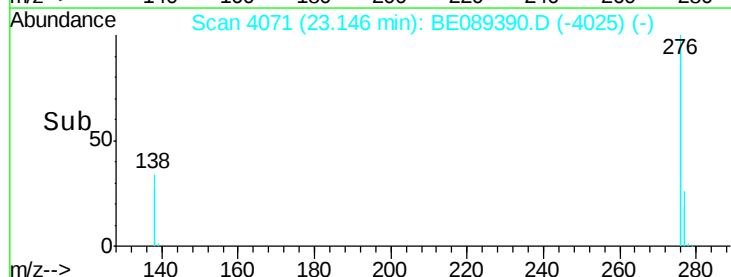
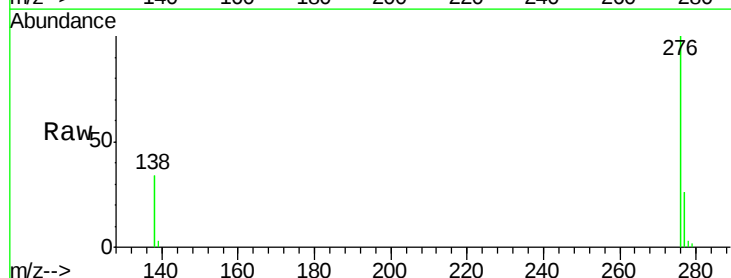
Tgt Ion:276 Resp: 17320

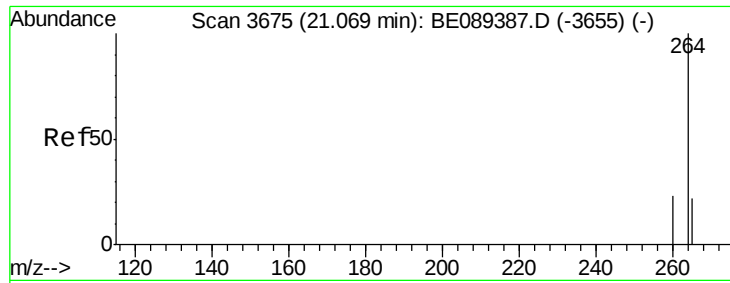
Ion Ratio Lower Upper

276 100

138 31.3 23.8 35.8

277 25.0 18.2 27.4

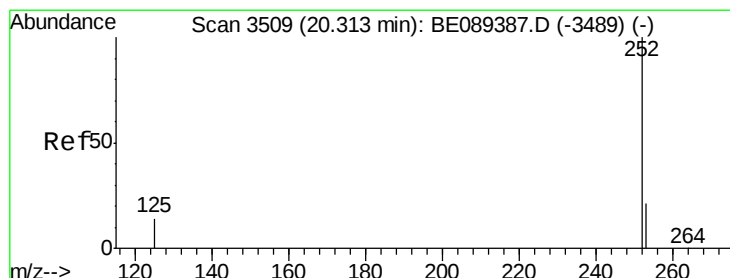
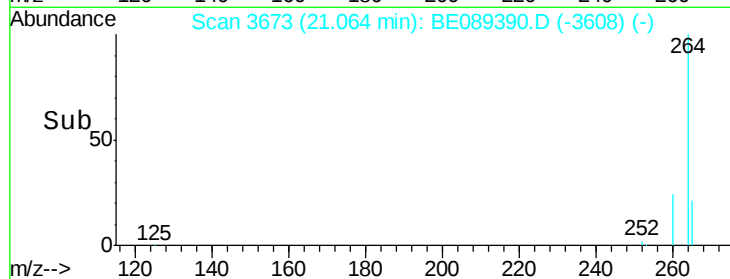
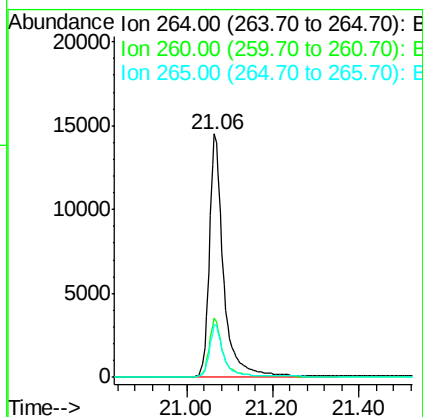
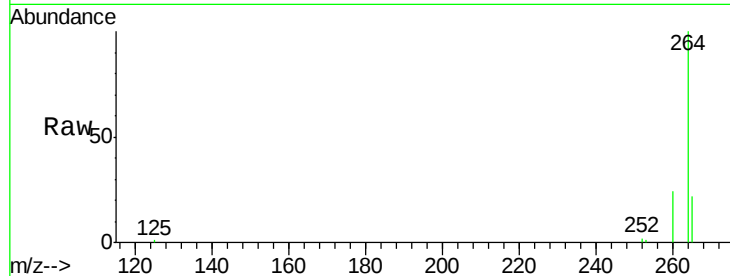




#21
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.06 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: BE089390.D
 Acq: 9 Jan 2015 20:39

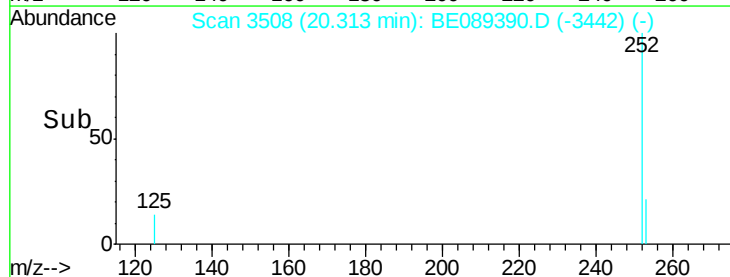
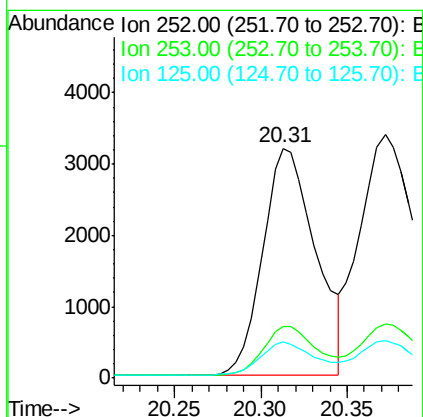
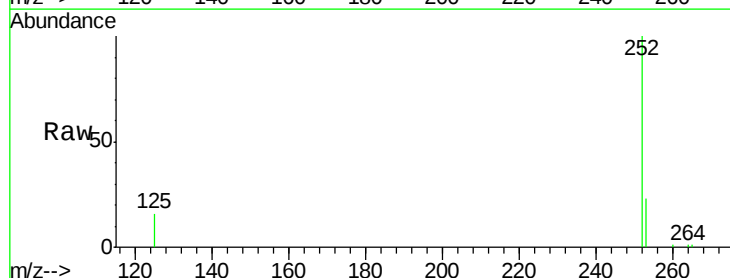
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

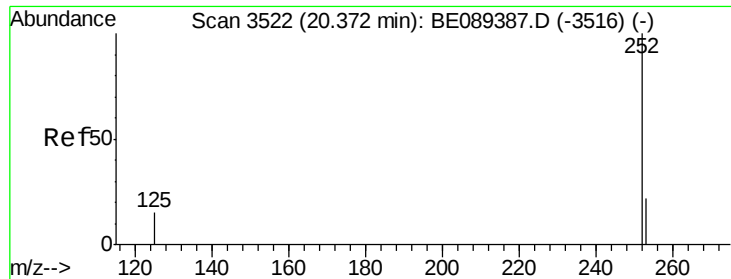
Tgt Ion: 264 Resp: 33293
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.9 28.3
 265 21.5 17.4 26.2



#22
 Benzo(b)fluoranthene
 Concen: 0.93 ng
 RT: 20.31 min Scan# 3508
 Delta R.T. 0.00 min
 Lab File: BE089390.D
 Acq: 9 Jan 2015 20:39

Tgt Ion: 252 Resp: 6773
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.8 26.6
 125 15.6 12.6 18.8





#23

Benzo(k)fluoranthene

Concen: 1.09 ng

RT: 20.37 min Scan# 3521

Delta R.T. 0.00 min

Lab File: BE089390.D

Acq: 9 Jan 2015 20:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

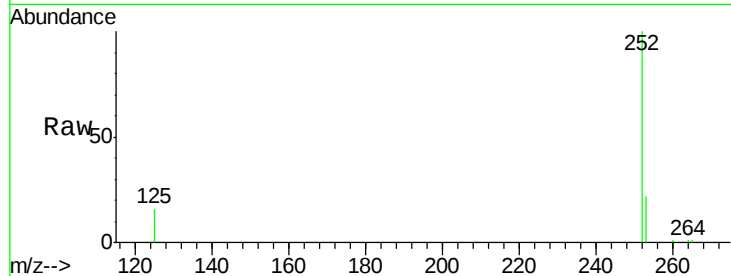
Tgt Ion:252 Resp: 9970

Ion Ratio Lower Upper

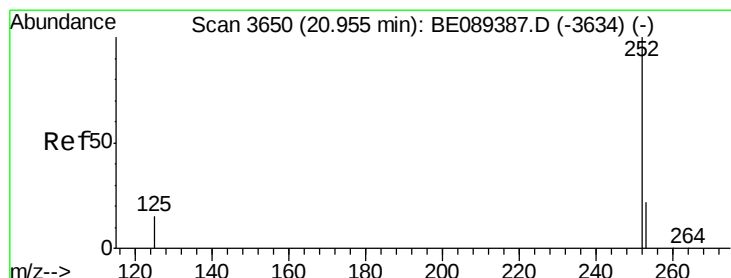
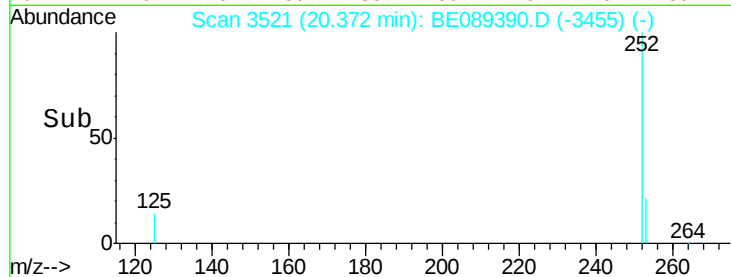
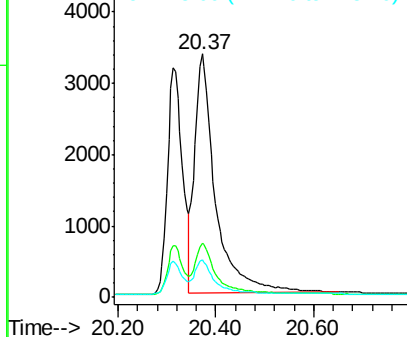
252 100

253 22.2 18.0 27.0

125 15.5 12.4 18.6



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



#24

Benzo(a)pyrene

Concen: 0.92 ng

RT: 20.95 min Scan# 3648

Delta R.T. -0.00 min

Lab File: BE089390.D

Acq: 9 Jan 2015 20:39

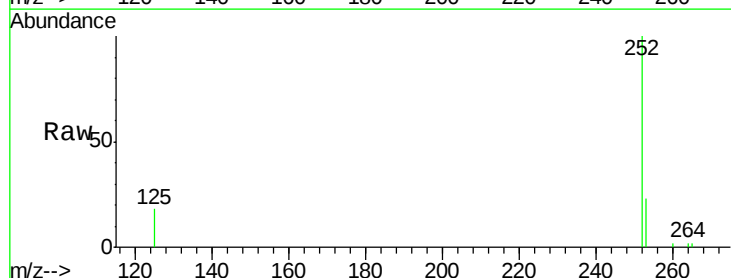
Tgt Ion:252 Resp: 6572

Ion Ratio Lower Upper

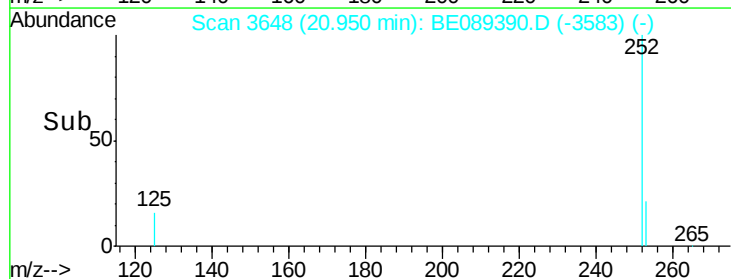
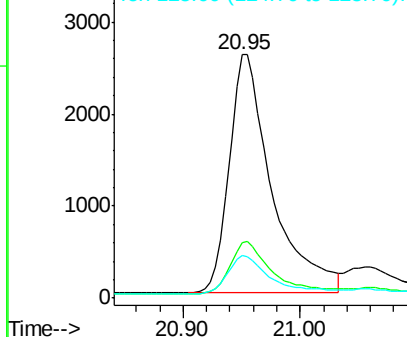
252 100

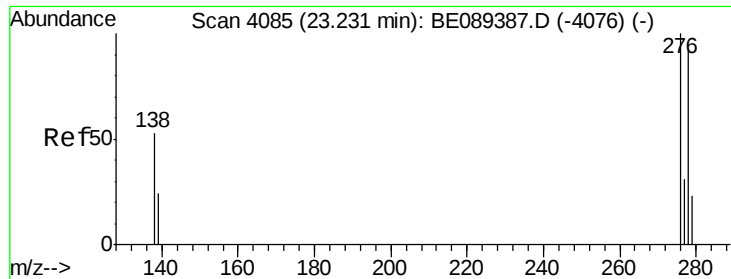
253 22.6 18.3 27.5

125 17.7 13.8 20.8



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



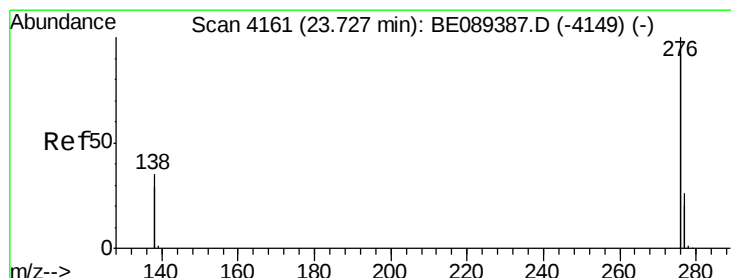
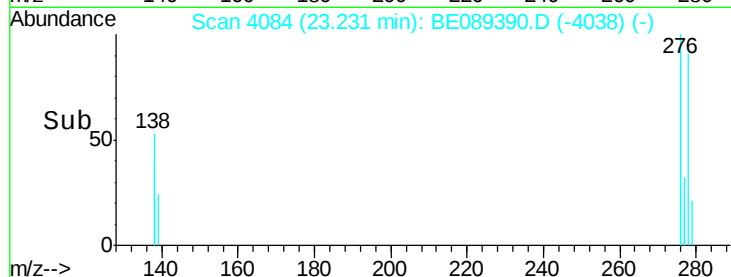
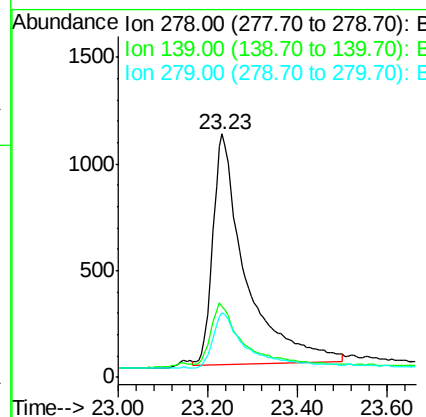
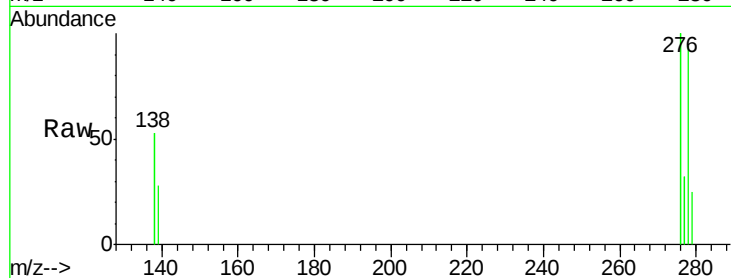


#25
Dibenzo(a,h)anthracene
Concen: 0.84 ng
RT: 23.23 min Scan# 4084
Delta R.T. 0.00 min
Lab File: BE089390.D
Acq: 9 Jan 2015 20:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion: 278 Resp: 5511

Ion	Ratio	Lower	Upper
278	100		
139	29.3	22.9	34.3
279	26.3	20.8	31.2



#26
Benzo(g,h,i)perylene
Concen: 0.88 ng
RT: 23.73 min Scan# 4160
Delta R.T. 0.00 min
Lab File: BE089390.D
Acq: 9 Jan 2015 20:39

Tgt Ion: 276 Resp: 29026

Ion	Ratio	Lower	Upper
276	100		
277	25.6	20.0	30.0
138	36.1	28.5	42.7

