

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020515\
 Data File : BE089522.D
 Acq On : 6 Feb 2015 4:49
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc : 4 TIME INT STD
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Quant Time: Feb 06 13:24:34 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SIMPAH-BE020515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 06 12:30:39 2015
 Response via : Initial Calibration

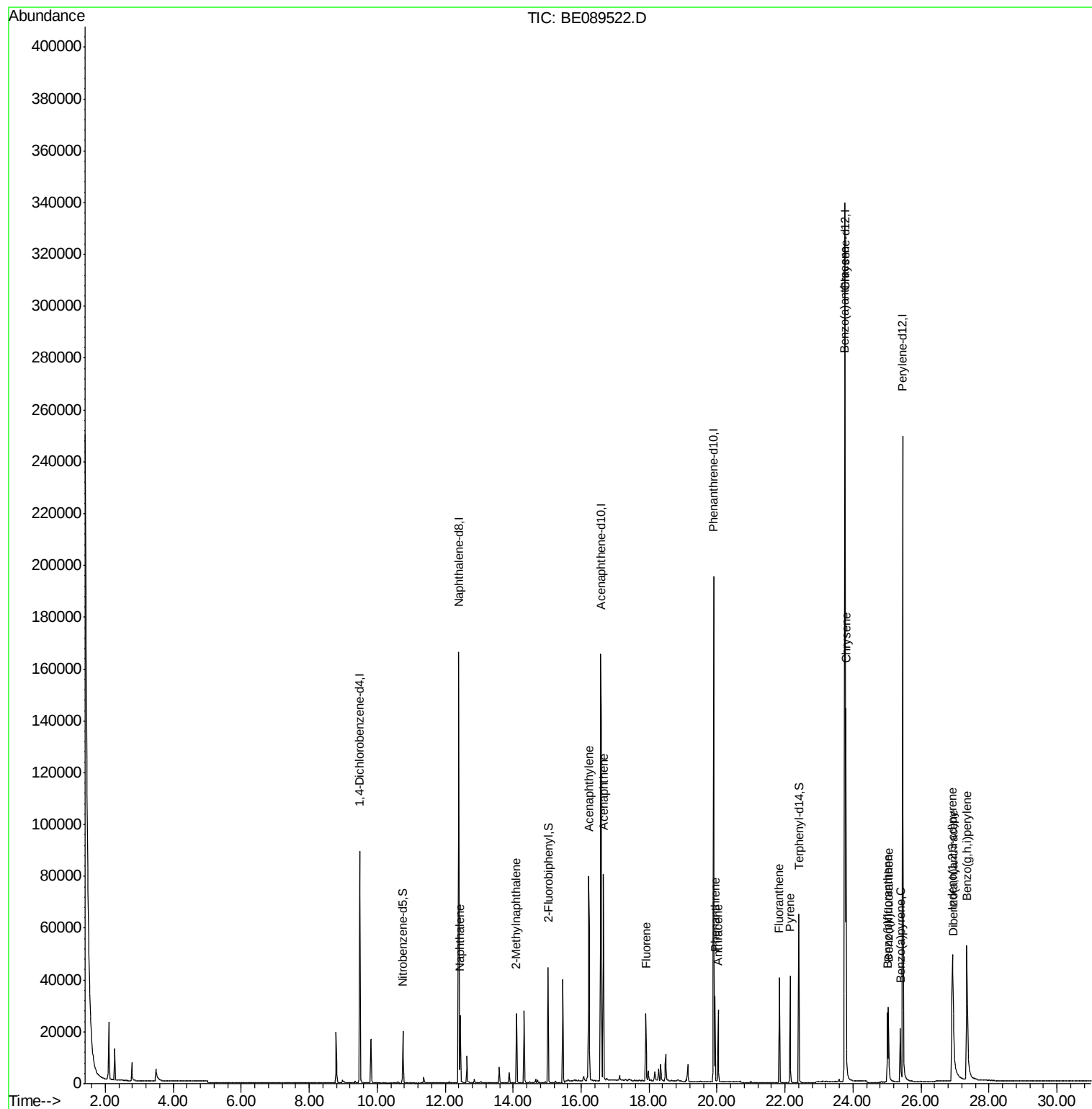
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.49	152	36387	5.00	ng	0.00
2) Naphthalene-d8	12.40	136	184263	5.00	ng	0.00
6) Acenaphthene-d10	16.58	164	101998	5.00	ng	0.00
11) Phenanthrene-d10	19.91	188	206170	5.00	ng	0.00
16) Chrysene-d12	23.76	240	234011	5.00	ng	0.00
22) Perylene-d12	25.46	264	225327	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.75	82	14182	1.01	ng	0.00
7) 2-Fluorobiphenyl	15.03	172	38779	1.21	ng	0.00
18) Terphenyl-d14	22.40	244	55592	1.37	ng	0.00
Target Compounds						Ovalue
4) Naphthalene	12.45	128	28262	0.61	ng	99
5) 2-Methylnaphthalene	14.10	142	16624	0.55	ng	99
8) Acenaphthylene	16.23	152	100957	0.46	ng	100
9) Acenaphthene	16.65	154	15098	0.45	ng	99
10) Fluorene	17.91	166	17050	0.42	ng	100
13) Phenanthrene	19.94	178	27559	0.44	ng	99
14) Anthracene	20.03	178	24559	0.42	ng	100
15) Fluoranthene	21.83	202	26850	0.42	ng	98
17) Pyrene	22.14	202	28364	0.42	ng	100
19) Benzo(a)anthracene	23.75	228	111657	0.41	ng	99
20) Chrysene	23.79	228	113033	0.40	ng	97
21) Indeno(1,2,3-cd)pyrene	26.92	276	111655	0.38	ng	99
23) Benzo(b)fluoranthene	25.01	252	24167	0.45	ng	98
24) Benzo(k)fluoranthene	25.05	252	30897	0.43	ng	99
25) Benzo(a)pyrene	25.39	252	22459	0.42	ng	98
26) Dibenzo(a,h)anthracene	26.95	278	23861	0.40	ng	98
27) Benzo(g,h,i)perylene	27.35	276	93824	0.38	ng	98

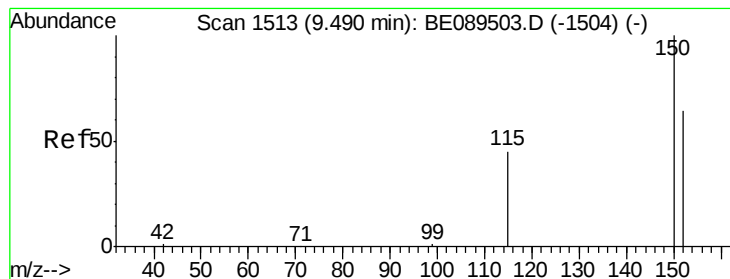
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.49 min Scan# 1513

Delta R.T. -0.00 min

Lab File: BE089522.D

Acq: 6 Feb 2015 4:49

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

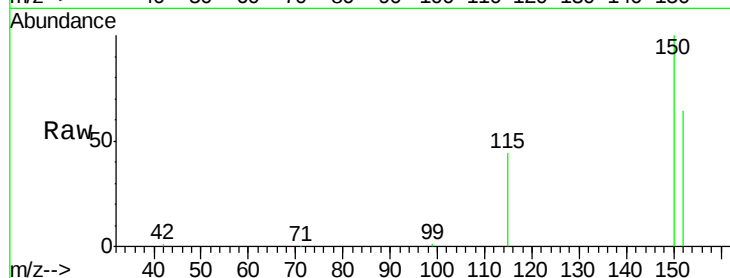
Tot Ion:152 Resp: 36387

Ion Ratio Lower Upper

152 100

150 157.3 125.0 187.6

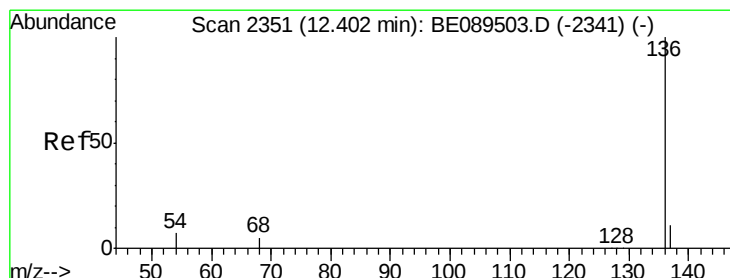
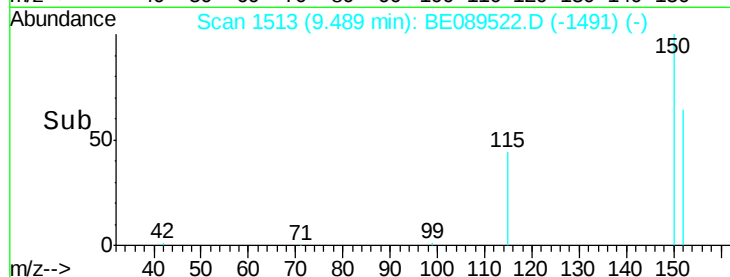
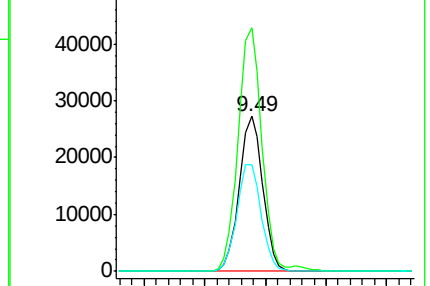
115 69.0 56.6 85.0



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

Naphthalene-d8

Concen: 5.00 ng

RT: 12.40 min Scan# 2351

Delta R.T. -0.00 min

Lab File: BE089522.D

Acq: 6 Feb 2015 4:49

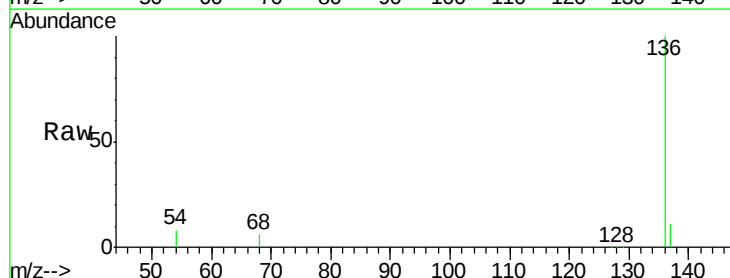
Tgt Ion:136 Resp: 184263

Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

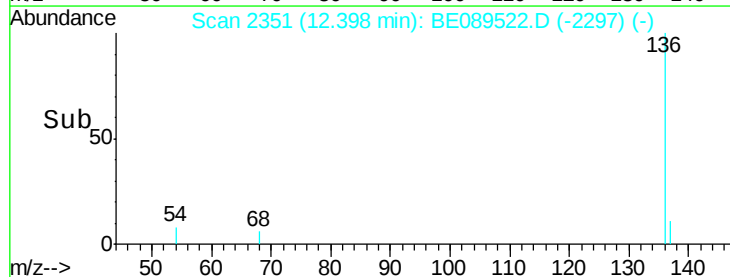
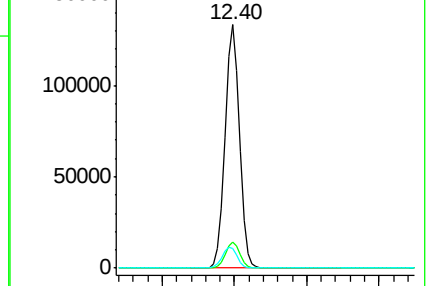
54 7.9 6.0 9.0

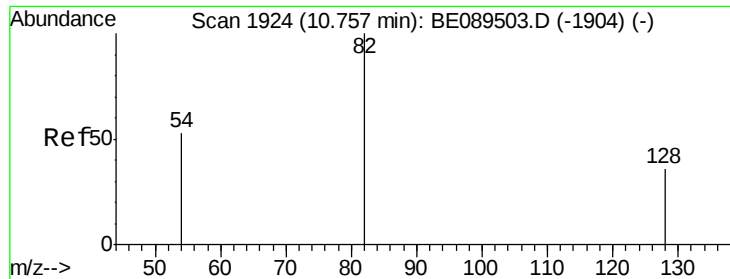


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 1.01 ng

RT: 10.75 min Scan# 1923

Delta R.T. -0.00 min

Lab File: BE089522.D

Acq: 6 Feb 2015 4:49

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

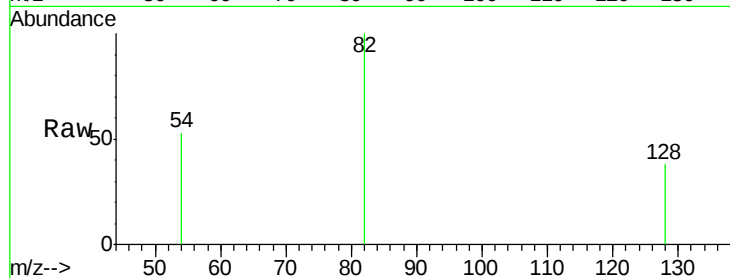
Tot Ion: 82 Resp: 14182

Ion Ratio Lower Upper

82 100

128 37.8 29.3 43.9

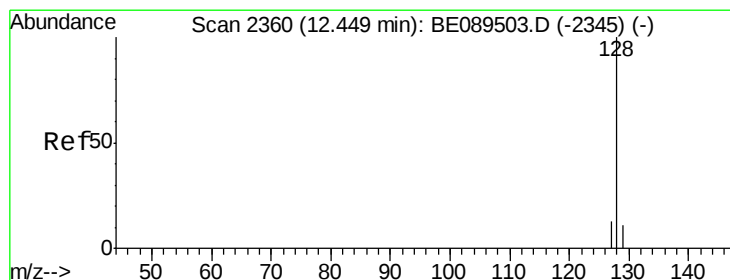
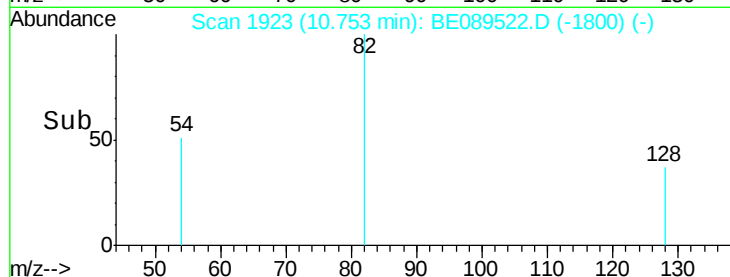
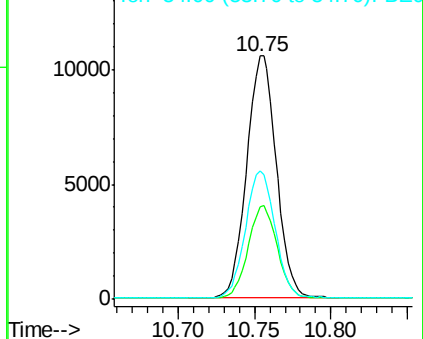
54 52.7 42.6 64.0



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



#4

Naphthalene

Concen: 0.61 ng

RT: 12.45 min Scan# 2360

Delta R.T. -0.00 min

Lab File: BE089522.D

Acq: 6 Feb 2015 4:49

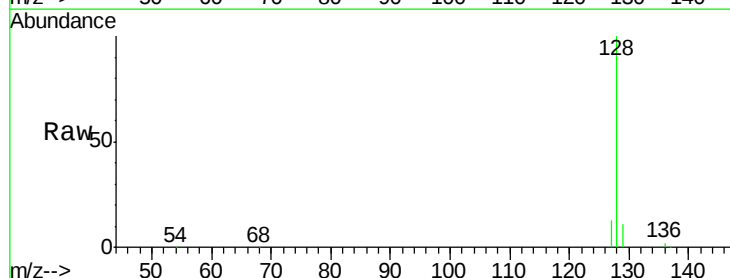
Tgt Ion: 128 Resp: 28262

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

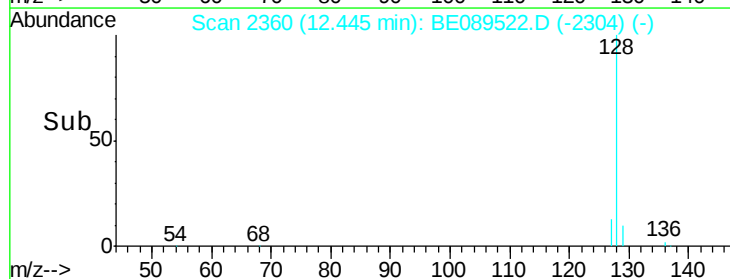
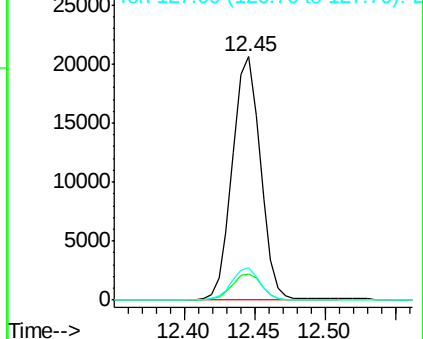
127 13.2 10.3 15.5



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





#5

2-Methylnaphthalene

Concen: 0.55 ng

RT: 14.10 min Scan# 2694

Delta R.T. -0.00 min

Lab File: BE089522.D

Acq: 6 Feb 2015 4:49

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

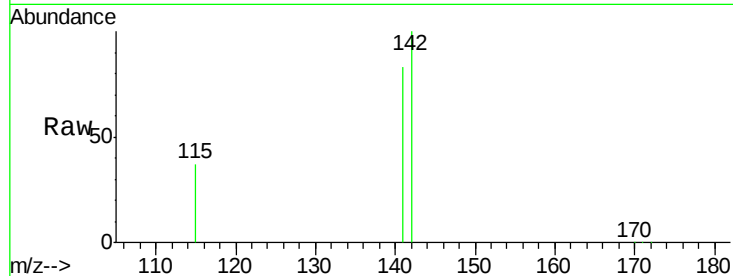
Tot Ion:142 Resp: 16624

Ion Ratio Lower Upper

142 100

141 82.5 66.3 99.5

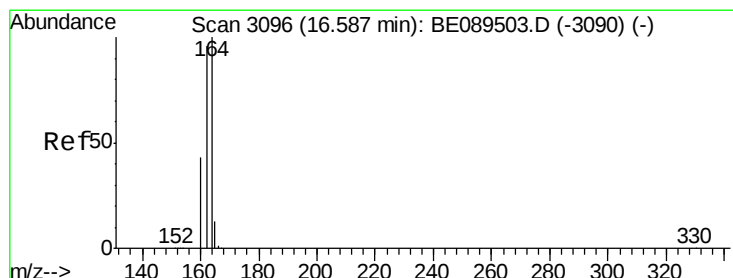
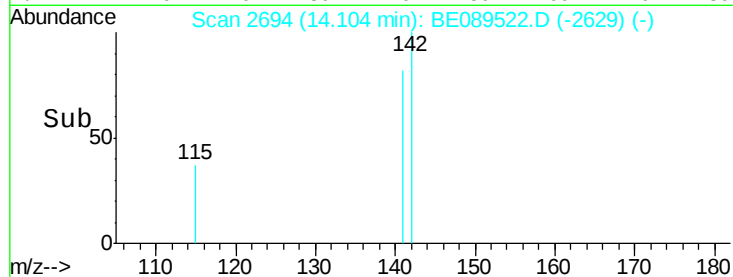
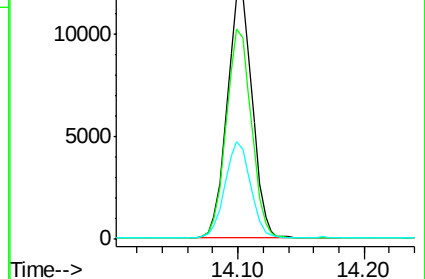
115 37.1 31.1 46.7



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: 16.58 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BE089522.D

Acq: 6 Feb 2015 4:49

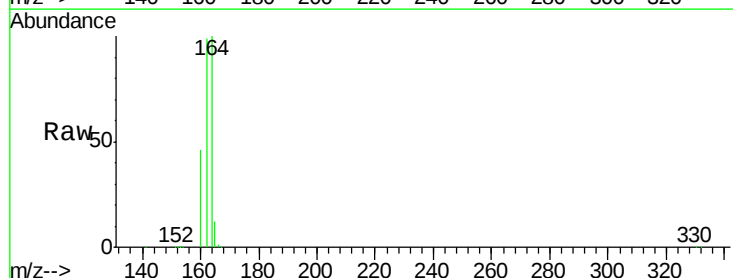
Tgt Ion:164 Resp: 101998

Ion Ratio Lower Upper

164 100

162 98.8 76.6 115.0

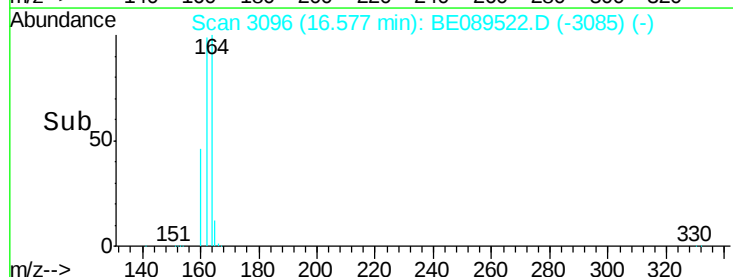
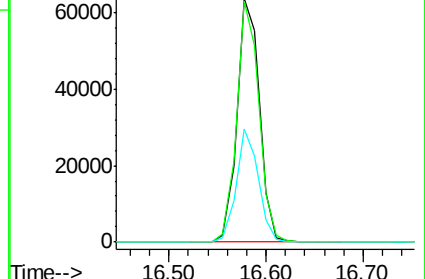
160 46.3 34.6 52.0



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: 1.21 ng

RT: 15.03 min Scan# 2897

Delta R.T. -0.00 min

Lab File: BE089522.D

Acq: 6 Feb 2015 4:49

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

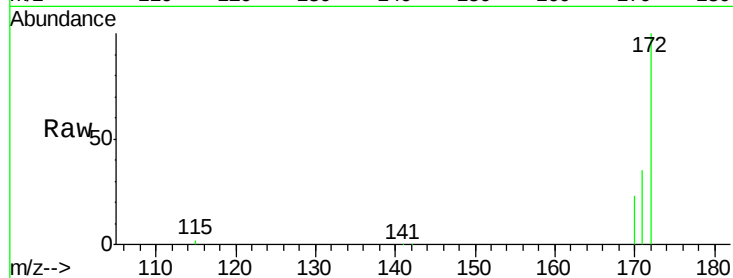
Tot Ion:172 Resp: 38779

Ion Ratio Lower Upper

172 100

171 34.5 27.4 41.0

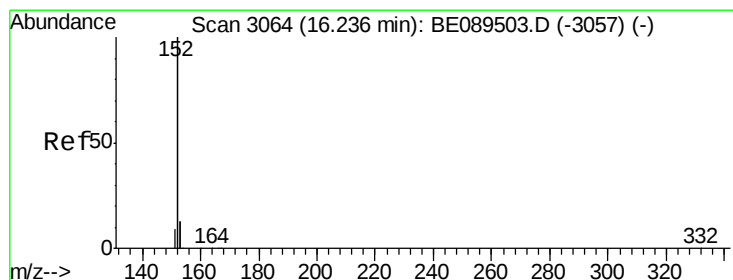
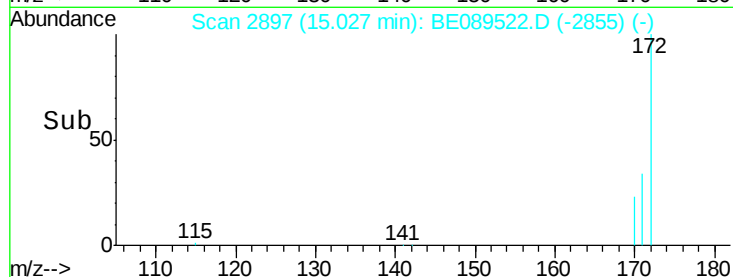
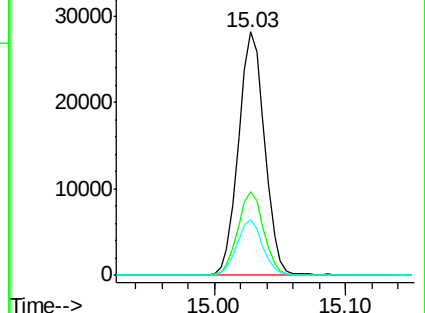
170 22.8 18.4 27.6



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: 0.46 ng

RT: 16.23 min Scan# 3064

Delta R.T. -0.01 min

Lab File: BE089522.D

Acq: 6 Feb 2015 4:49

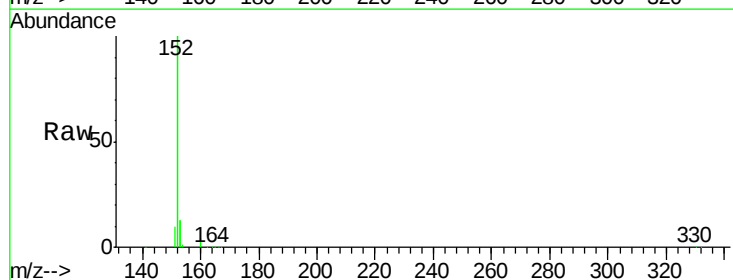
Tgt Ion:152 Resp: 100957

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

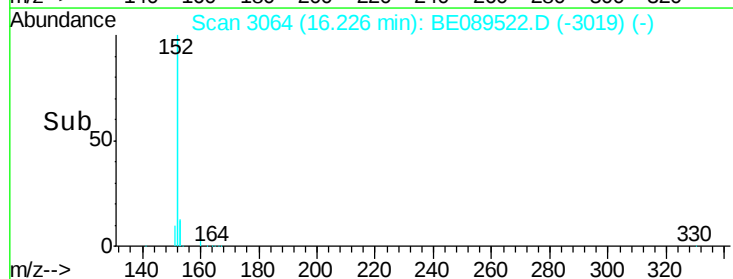
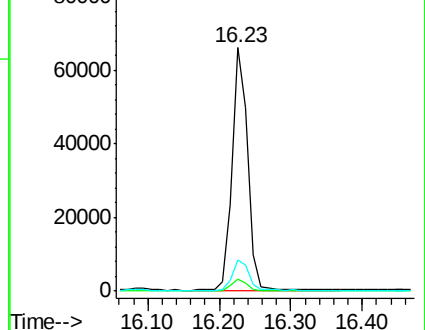
153 12.8 10.4 15.6

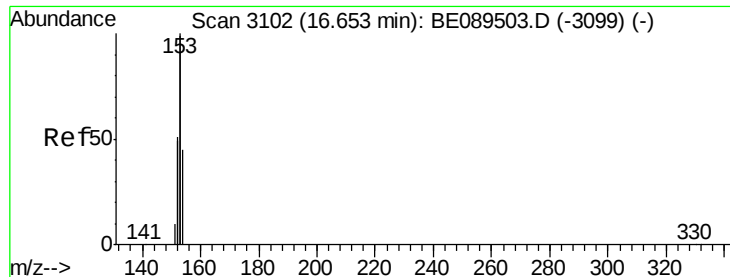


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.45 ng

RT: 16.65 min Scan# 3103

Delta R.T. 0.00 min

Lab File: BE089522.D

Acq: 6 Feb 2015 4:49

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

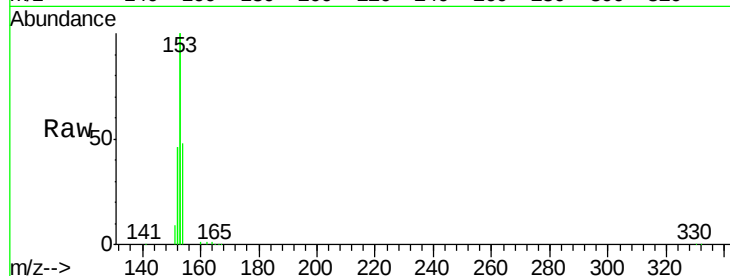
Tot Ion:154 Resp: 15098

Ion Ratio Lower Upper

154 100

153 428.8 341.5 512.3

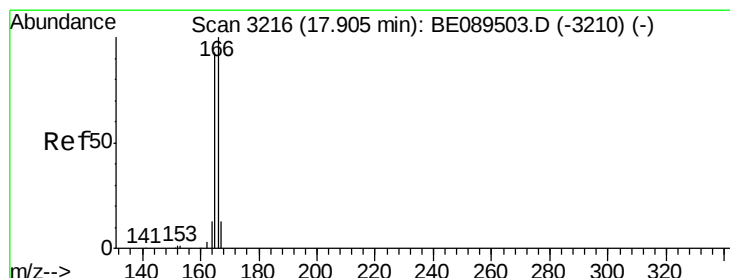
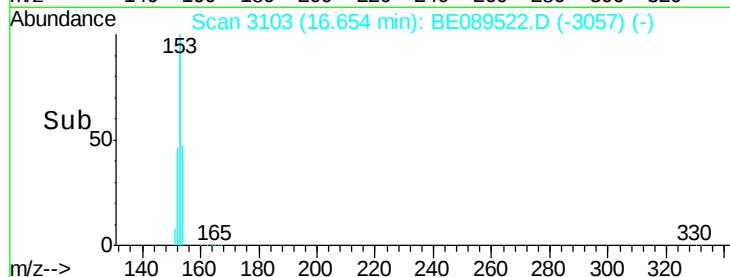
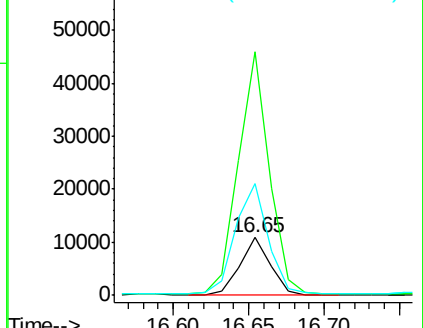
152 206.5 166.6 249.8



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: 0.42 ng

RT: 17.91 min Scan# 3217

Delta R.T. 0.00 min

Lab File: BE089522.D

Acq: 6 Feb 2015 4:49

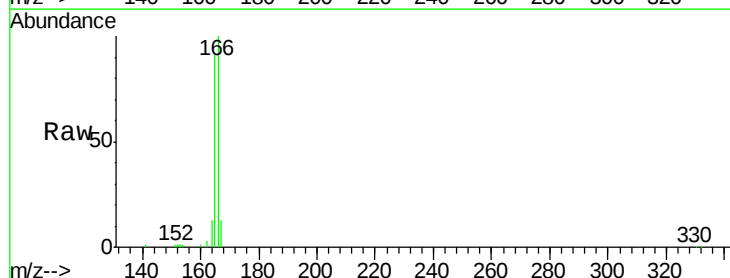
Tgt Ion:166 Resp: 17050

Ion Ratio Lower Upper

166 100

165 91.5 73.6 110.4

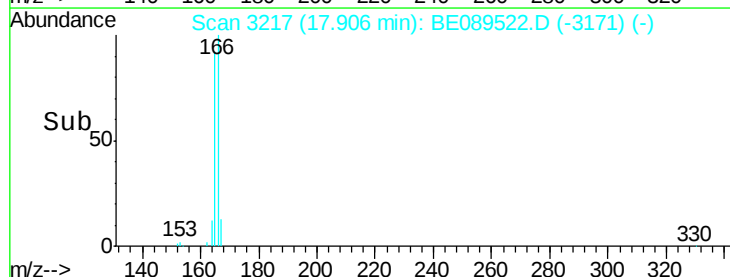
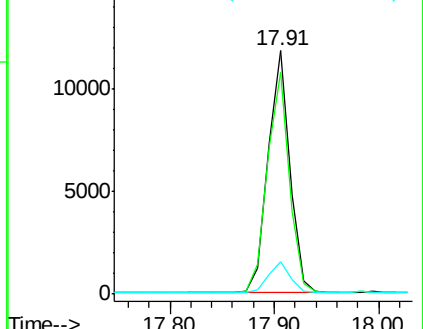
167 13.2 10.6 15.8

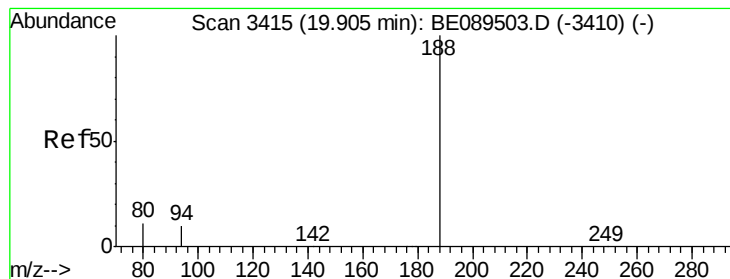


Abundance Ion 166.00 (165.70 to 166.70): E

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: 19.91 min Scan# 3416

Delta R.T. 0.00 min

Lab File: BE089522.D

Acq: 6 Feb 2015 4:49

Instrument :

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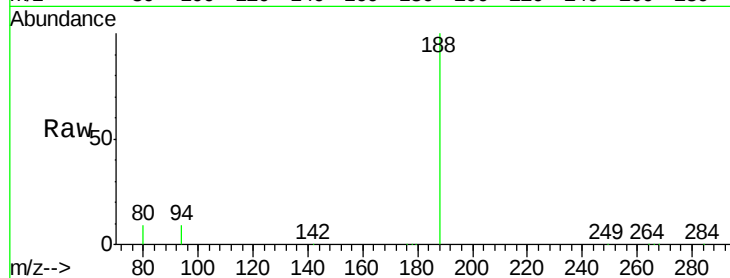
Tot Ion:188 Resp: 206170

Ion Ratio Lower Upper

188 100

94 9.5 8.2 12.4

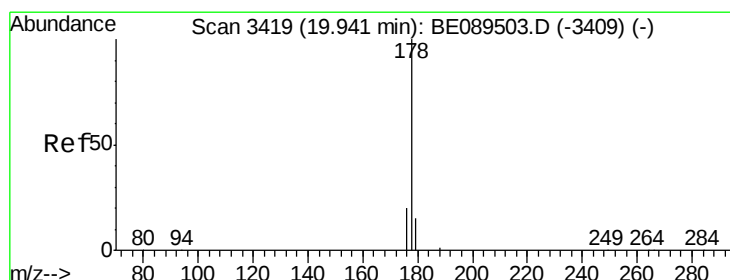
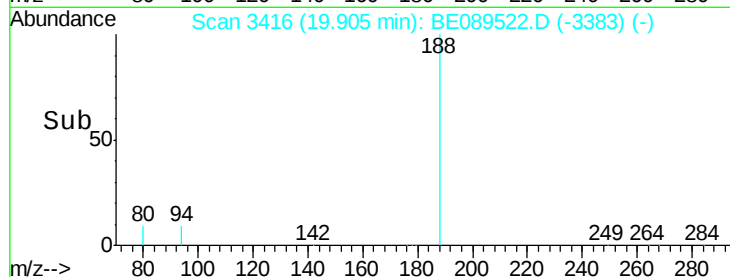
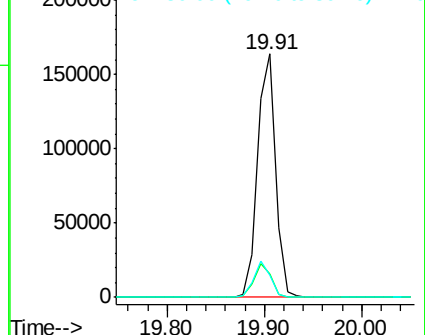
80 9.4 8.7 13.1



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



#13

Phenanthrene

Concen: 0.44 ng

RT: 19.94 min Scan# 3420

Delta R.T. 0.00 min

Lab File: BE089522.D

Acq: 6 Feb 2015 4:49

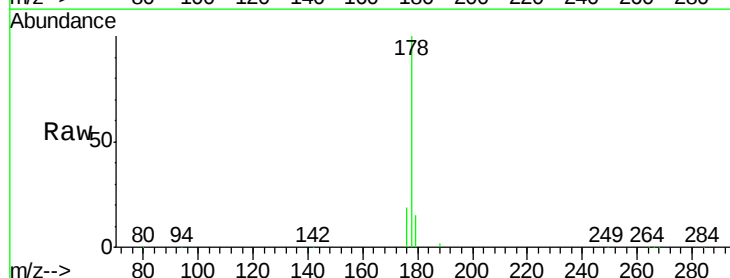
Tgt Ion:178 Resp: 27559

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

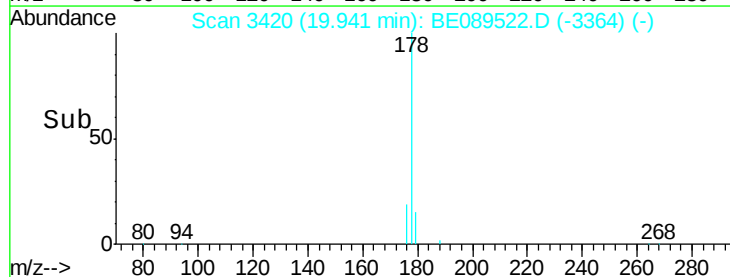
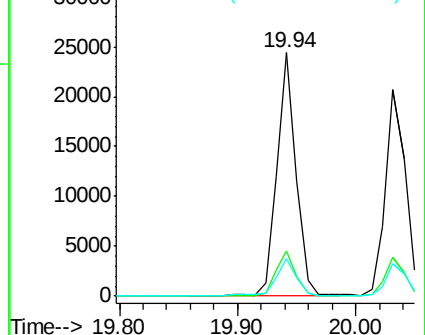
179 15.8 12.4 18.6

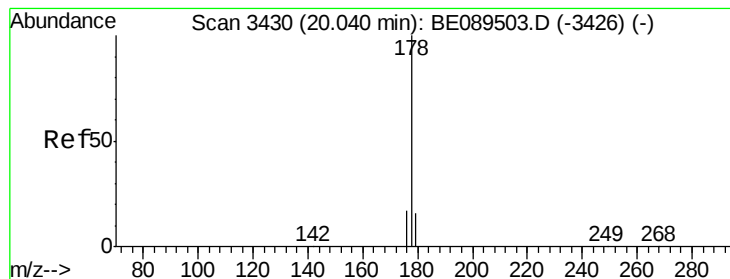


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#14

Anthracene

Concen: 0.42 ng

RT: 20.03 min Scan# 3430

Delta R.T. -0.01 min

Lab File: BE089522.D

Acq: 6 Feb 2015 4:49

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SSTDCCC001

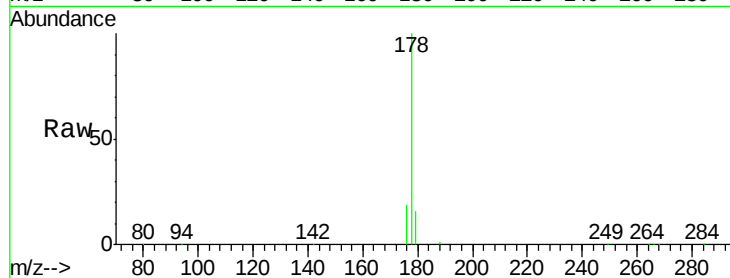
Tot Ion:178 Resp: 24559

Ion Ratio Lower Upper

178 100

176 18.1 14.6 22.0

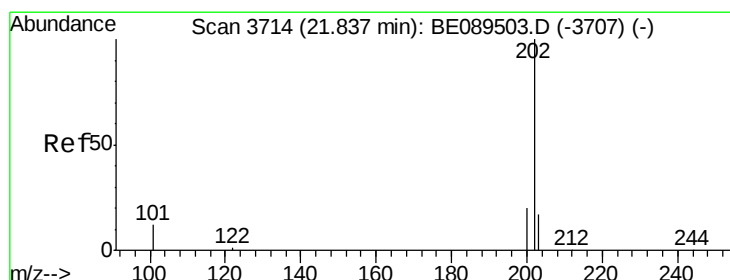
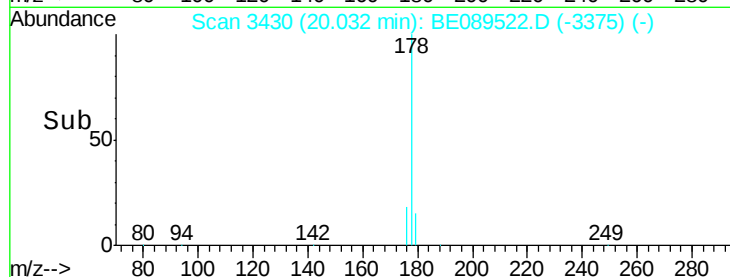
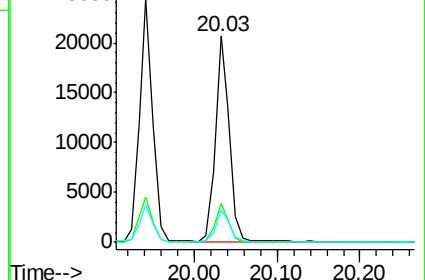
179 15.1 12.1 18.1



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



#15

Fluoranthene

Concen: 0.42 ng

RT: 21.83 min Scan# 3714

Delta R.T. -0.00 min

Lab File: BE089522.D

Acq: 6 Feb 2015 4:49

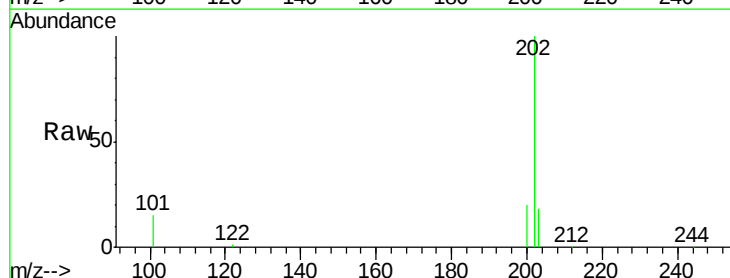
Tgt Ion:202 Resp: 26850

Ion Ratio Lower Upper

202 100

101 15.6 11.3 16.9

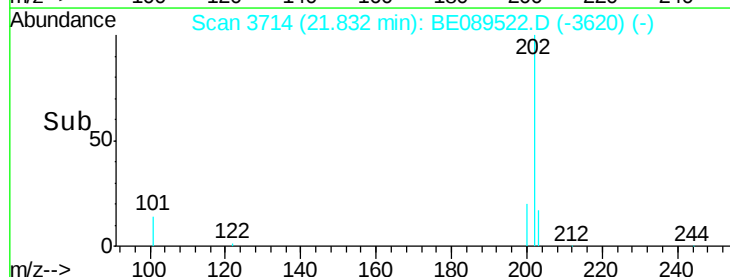
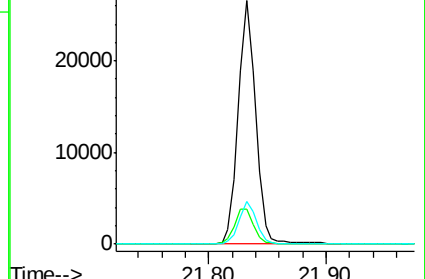
203 17.3 13.8 20.6

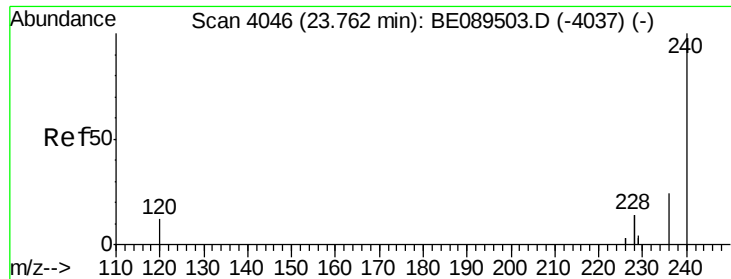


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

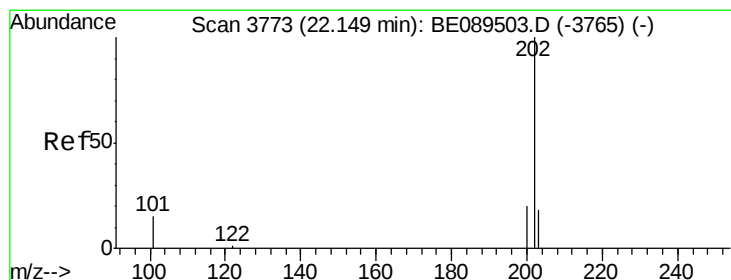
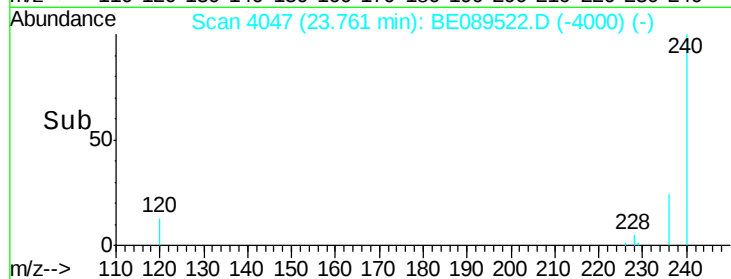
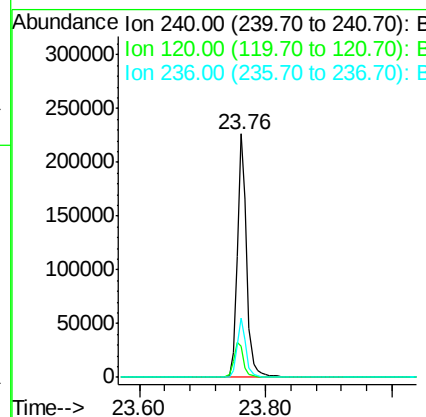
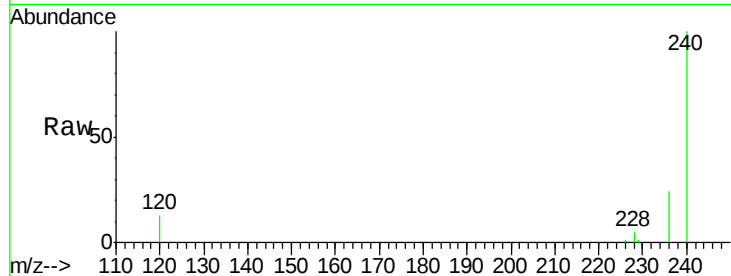




#16
Chrysene-d12
Concen: 5.00 ng
RT: 23.76 min Scan# 4047
Delta R.T. -0.00 min
Lab File: BE089522.D
Acq: 6 Feb 2015 4:49

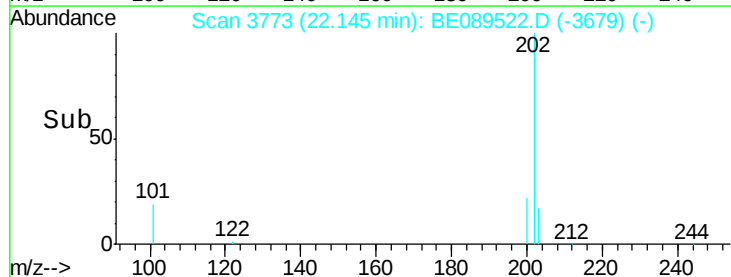
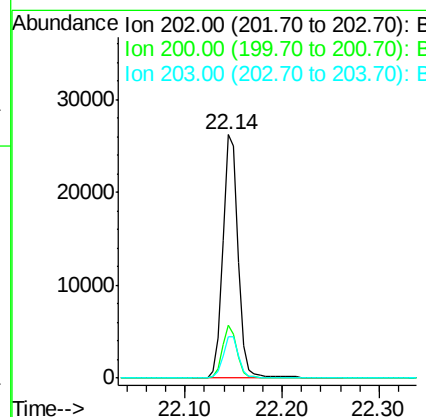
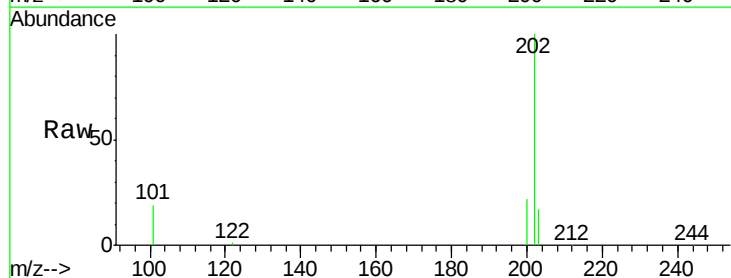
Instrument :
BNA_E
LabSampleId :
SSTDCCC001

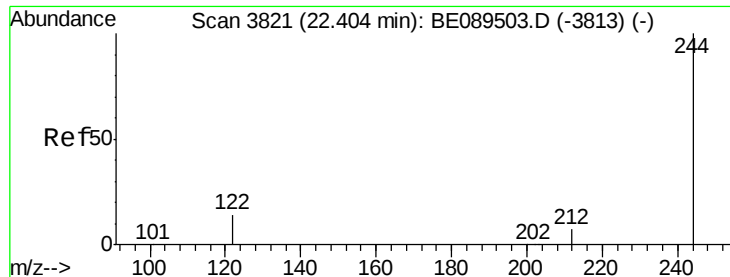
Tot Ion:240 Resp: 234011
Ion Ratio Lower Upper
240 100
120 12.5 9.6 14.4
236 24.2 19.4 29.2



#17
Pyrene
Concen: 0.42 ng
RT: 22.14 min Scan# 3773
Delta R.T. -0.00 min
Lab File: BE089522.D
Acq: 6 Feb 2015 4:49

Tgt Ion:202 Resp: 28364
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 17.3 14.0 21.0





#18

Terphenyl-d14

Concen: 1.37 ng

RT: 22.40 min Scan# 3822

Delta R.T. 0.00 min

Lab File: BE089522.D

Acq: 6 Feb 2015 4:49

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

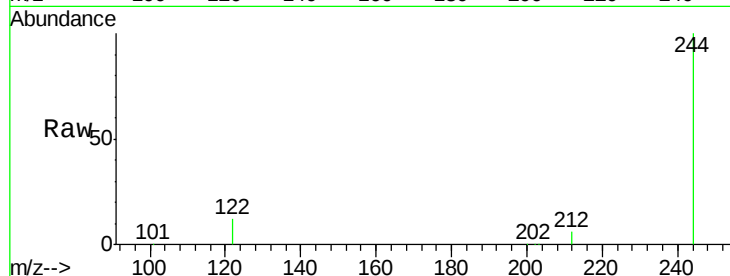
Tot Ion:244 Resp: 55592

Ion Ratio Lower Upper

244 100

212 6.4 5.5 8.3

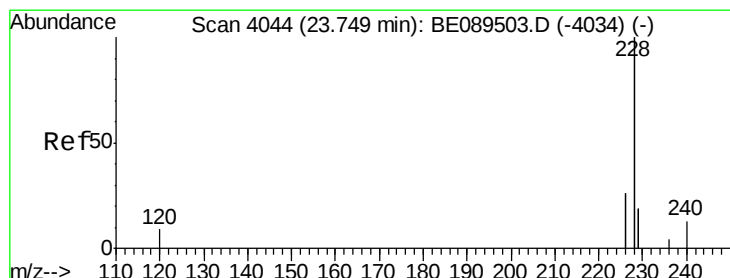
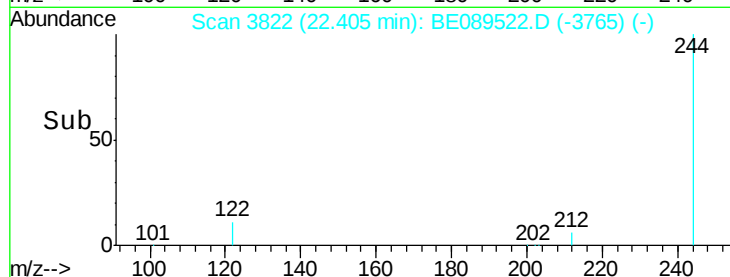
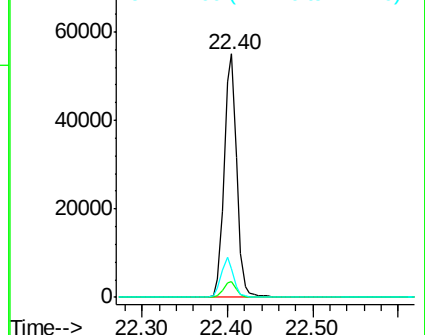
122 11.6 11.1 16.7



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



#19

Benzo(a)anthracene

Concen: 0.41 ng

RT: 23.75 min Scan# 4045

Delta R.T. 0.00 min

Lab File: BE089522.D

Acq: 6 Feb 2015 4:49

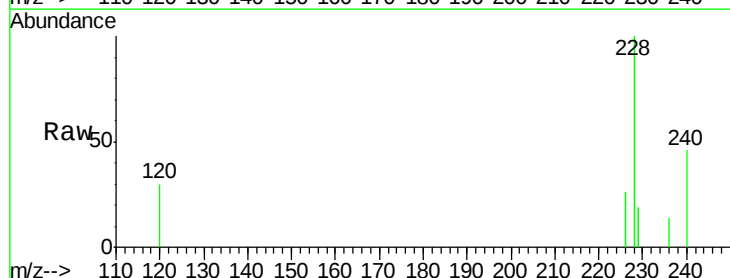
Tgt Ion:228 Resp: 111657

Ion Ratio Lower Upper

228 100

226 25.8 21.0 31.6

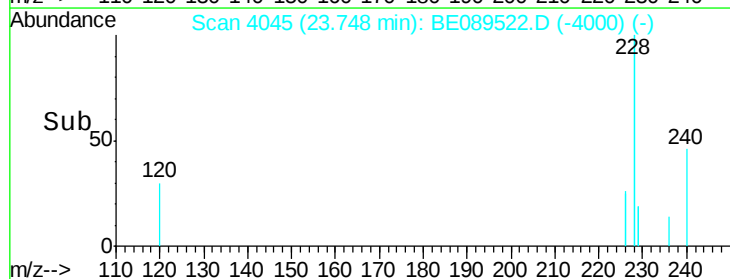
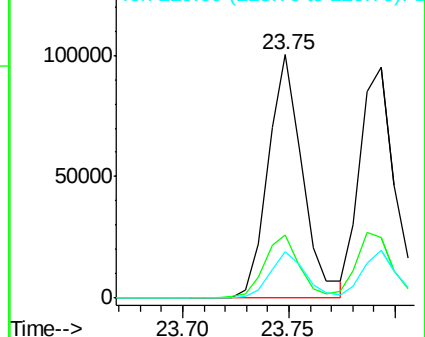
229 19.3 15.5 23.3

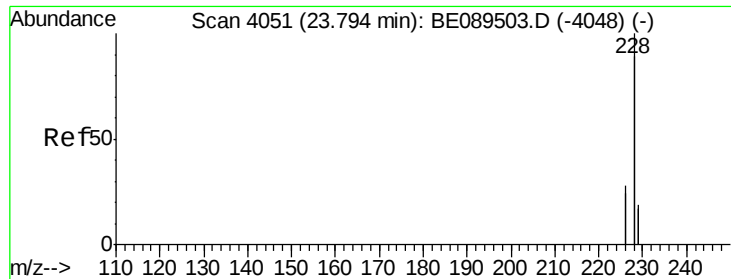


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#20

Chrysene

Concen: 0.40 ng

RT: 23.79 min Scan# 4052

Delta R.T. 0.00 min

Lab File: BE089522.D

Acq: 6 Feb 2015 4:49

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

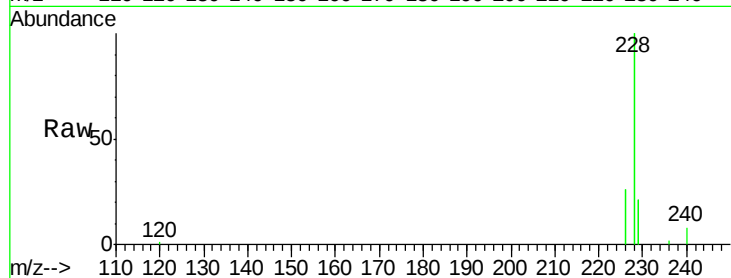
Tot Ion:228 Resp: 113033

Ion Ratio Lower Upper

228 100

226 26.2 22.3 33.5

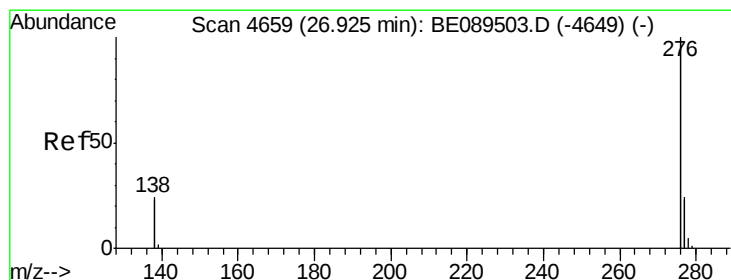
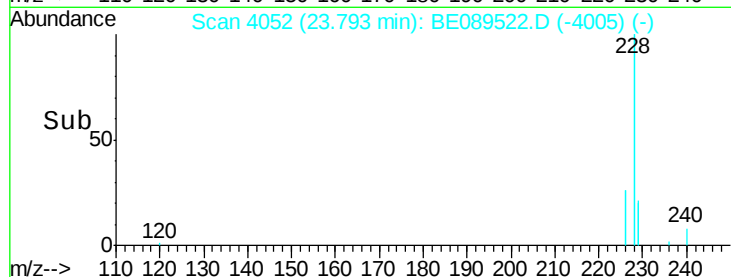
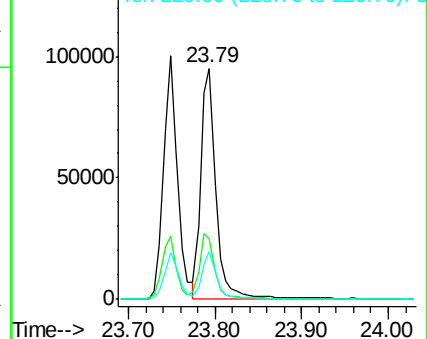
229 20.9 15.4 23.0



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



#21

Indeno(1,2,3-cd)pyrene

Concen: 0.38 ng

RT: 26.92 min Scan# 4659

Delta R.T. -0.01 min

Lab File: BE089522.D

Acq: 6 Feb 2015 4:49

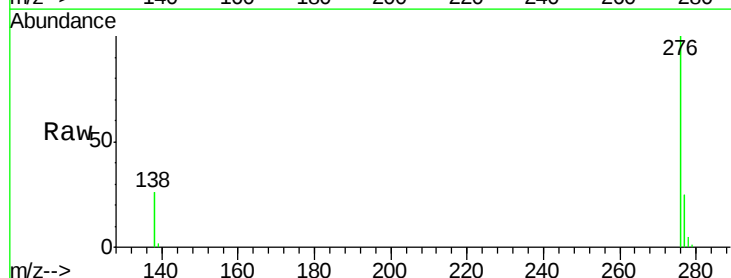
Tgt Ion:276 Resp: 111655

Ion Ratio Lower Upper

276 100

138 29.7 23.2 34.8

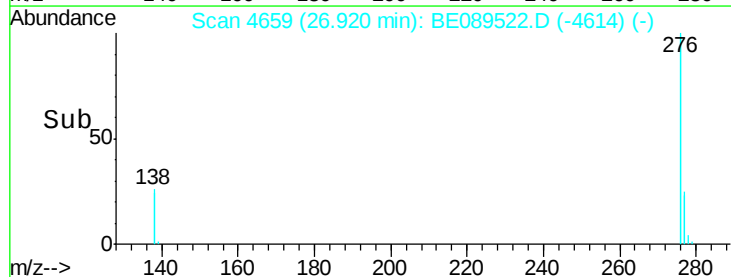
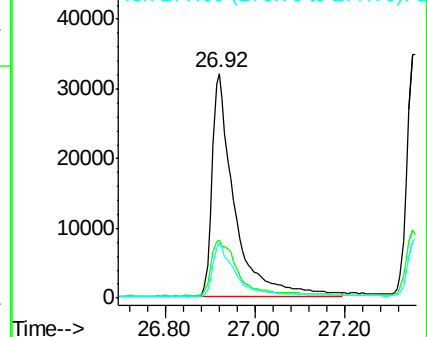
277 25.0 19.8 29.6

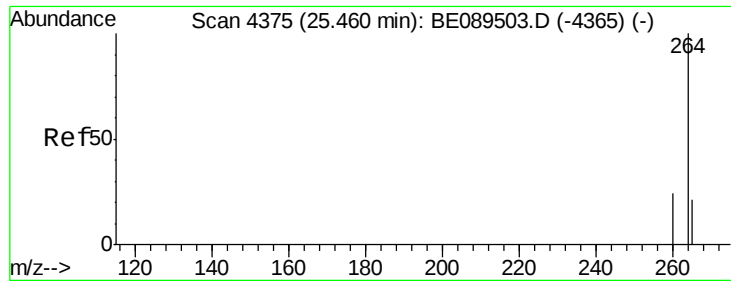


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



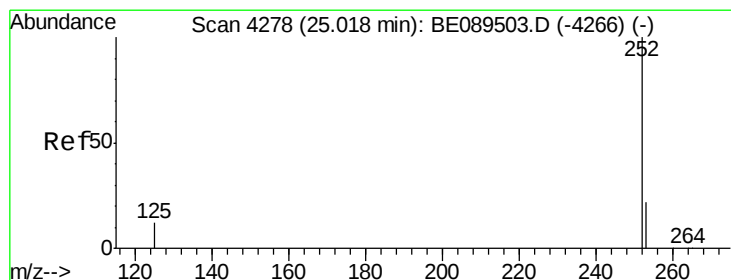
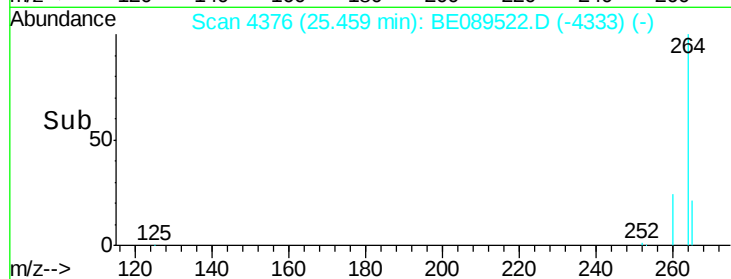
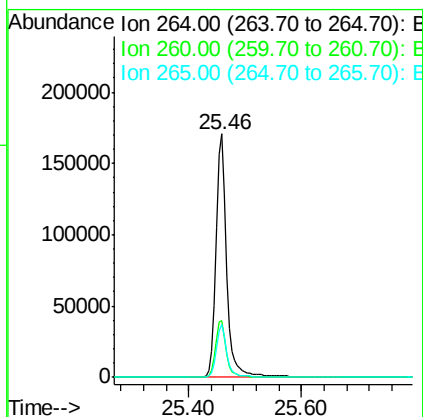
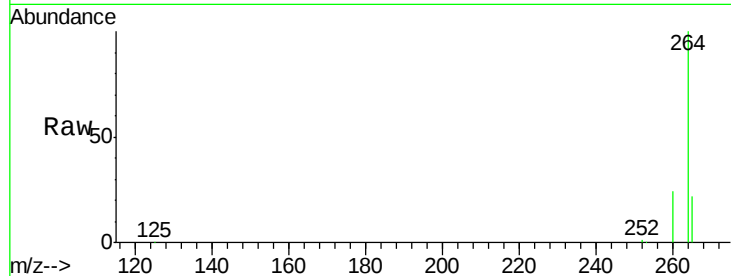


#22
Pervlene-d12
Concen: 5.00 ng
RT: 25.46 min Scan# 4376
Delta R.T. -0.00 min
Lab File: BE089522.D
Acq: 6 Feb 2015 4:49

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tot Ion:264 Resp: 225327

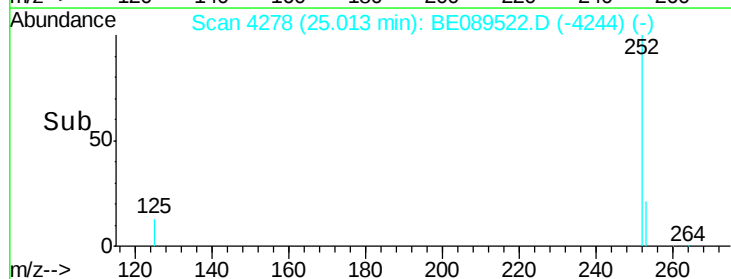
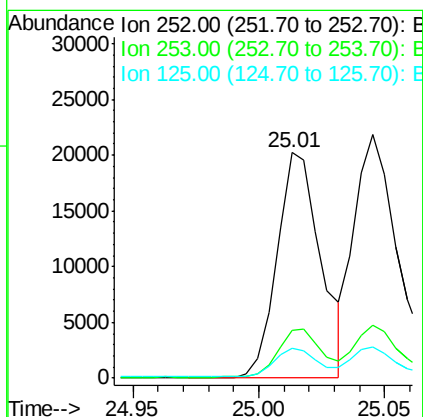
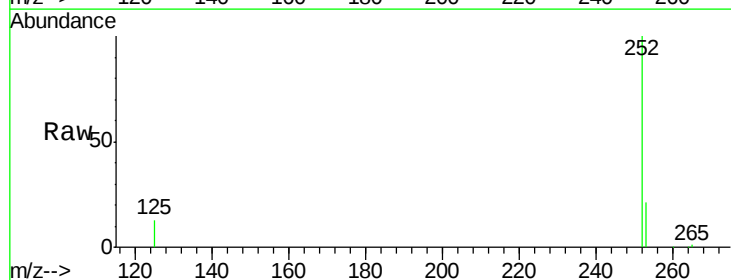
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.6
265	21.6	17.0	25.6

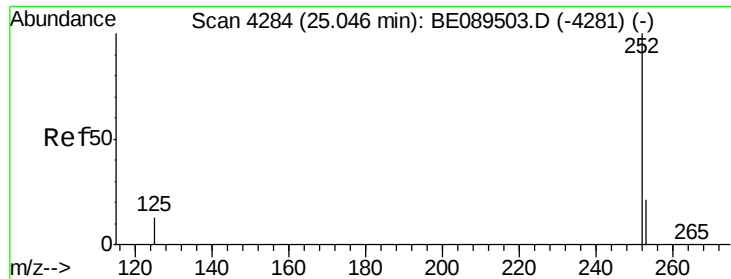


#23
Benzo(b)fluoranthene
Concen: 0.45 ng
RT: 25.01 min Scan# 4278
Delta R.T. -0.00 min
Lab File: BE089522.D
Acq: 6 Feb 2015 4:49

Tgt Ion:252 Resp: 24167

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.4	26.0
125	13.2	9.6	14.4

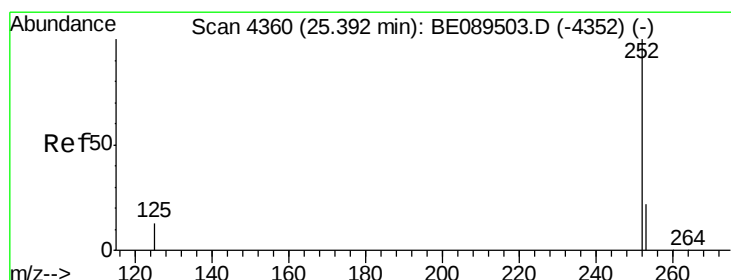
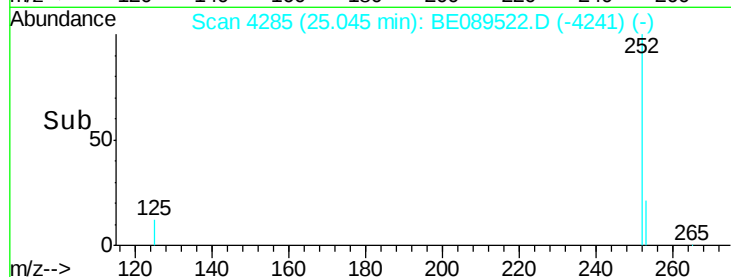
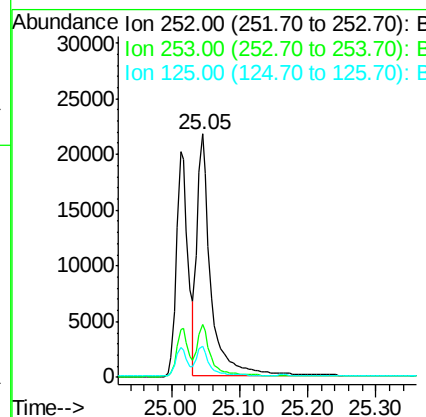
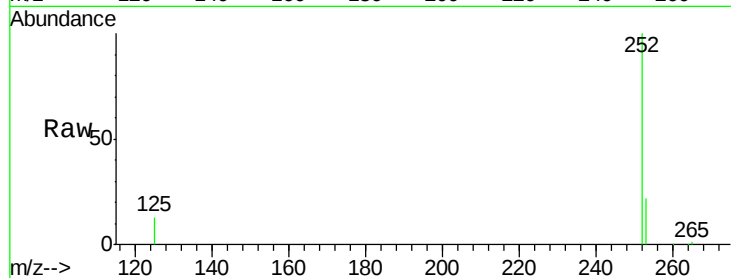




#24
Benzo(k)fluoranthene
Concen: 0.43 ng
RT: 25.05 min Scan# 4285
Delta R.T. -0.00 min
Lab File: BE089522.D
Acq: 6 Feb 2015 4:49

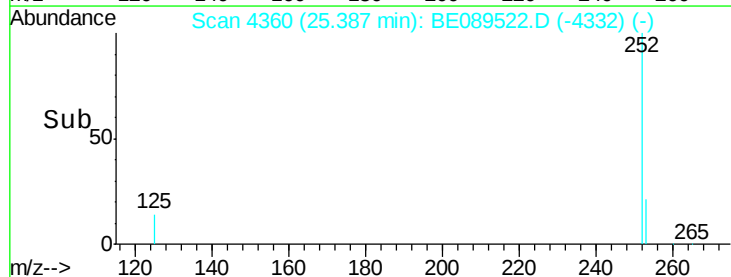
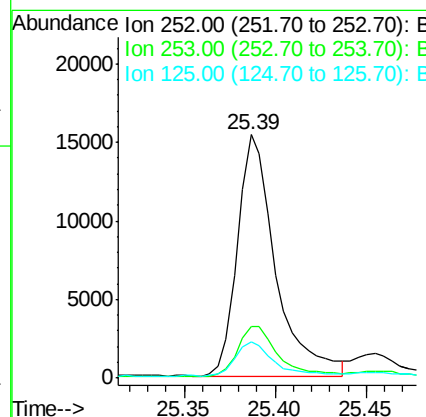
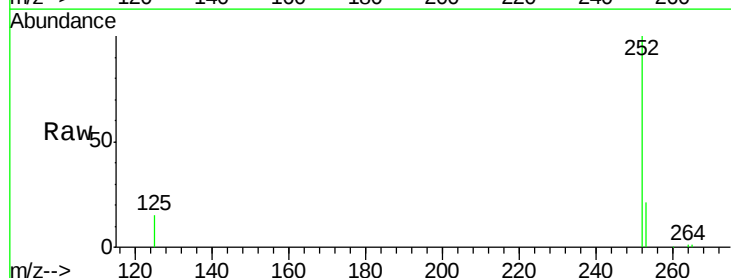
Instrument :
BNA_E
LabSampleId :
SSTDCCC001

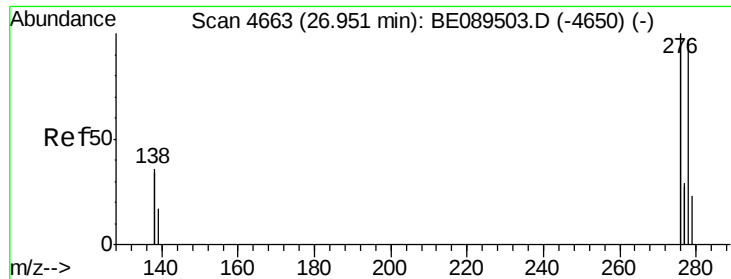
Tot Ion:252 Resp: 30897
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.6
125 12.9 10.2 15.4



#25
Benzo(a)pyrene
Concen: 0.42 ng
RT: 25.39 min Scan# 4360
Delta R.T. -0.00 min
Lab File: BE089522.D
Acq: 6 Feb 2015 4:49

Tgt Ion:252 Resp: 22459
Ion Ratio Lower Upper
252 100
253 21.4 17.8 26.6
125 15.0 10.7 16.1

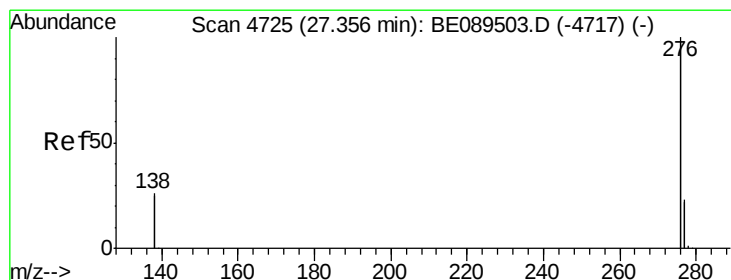
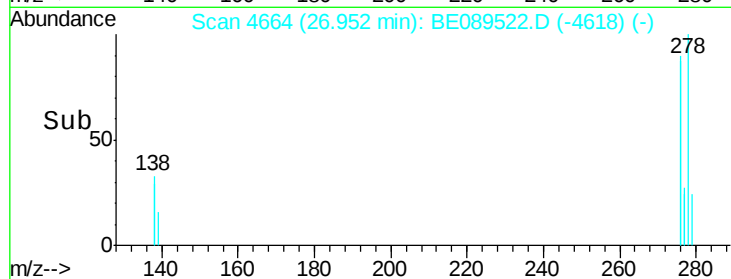
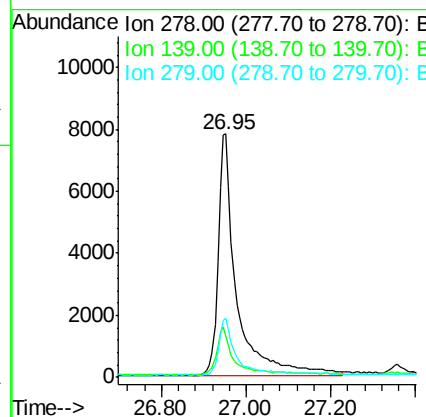
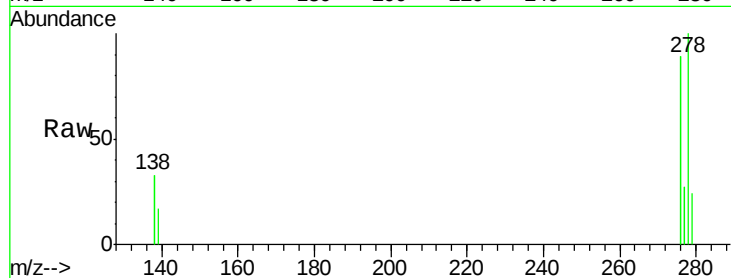




#26
Dibenzo(a,h)anthracene
Concen: 0.40 ng
RT: 26.95 min Scan# 4664
Delta R.T. 0.00 min
Lab File: BE089522.D
Acq: 6 Feb 2015 4:49

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tot Ion:278 Resp: 23861
Ion Ratio Lower Upper
278 100
139 16.8 14.6 22.0
279 24.3 19.0 28.4



#27
Benzo(g,h,i)perylene
Concen: 0.38 ng
RT: 27.35 min Scan# 4725
Delta R.T. -0.01 min
Lab File: BE089522.D
Acq: 6 Feb 2015 4:49

Tgt Ion:276 Resp: 93824
Ion Ratio Lower Upper
276 100
277 23.3 18.6 28.0
138 27.8 20.8 31.2

