

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020515\
 Data File : BE089515.D
 Acq On : 5 Feb 2015 22:48
 Operator : TP/IZ
 Sample : SSTDCCC001EC
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001EC

Quant Time: Feb 06 04:13:03 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 03:21:38 2015
 Response via : Initial Calibration

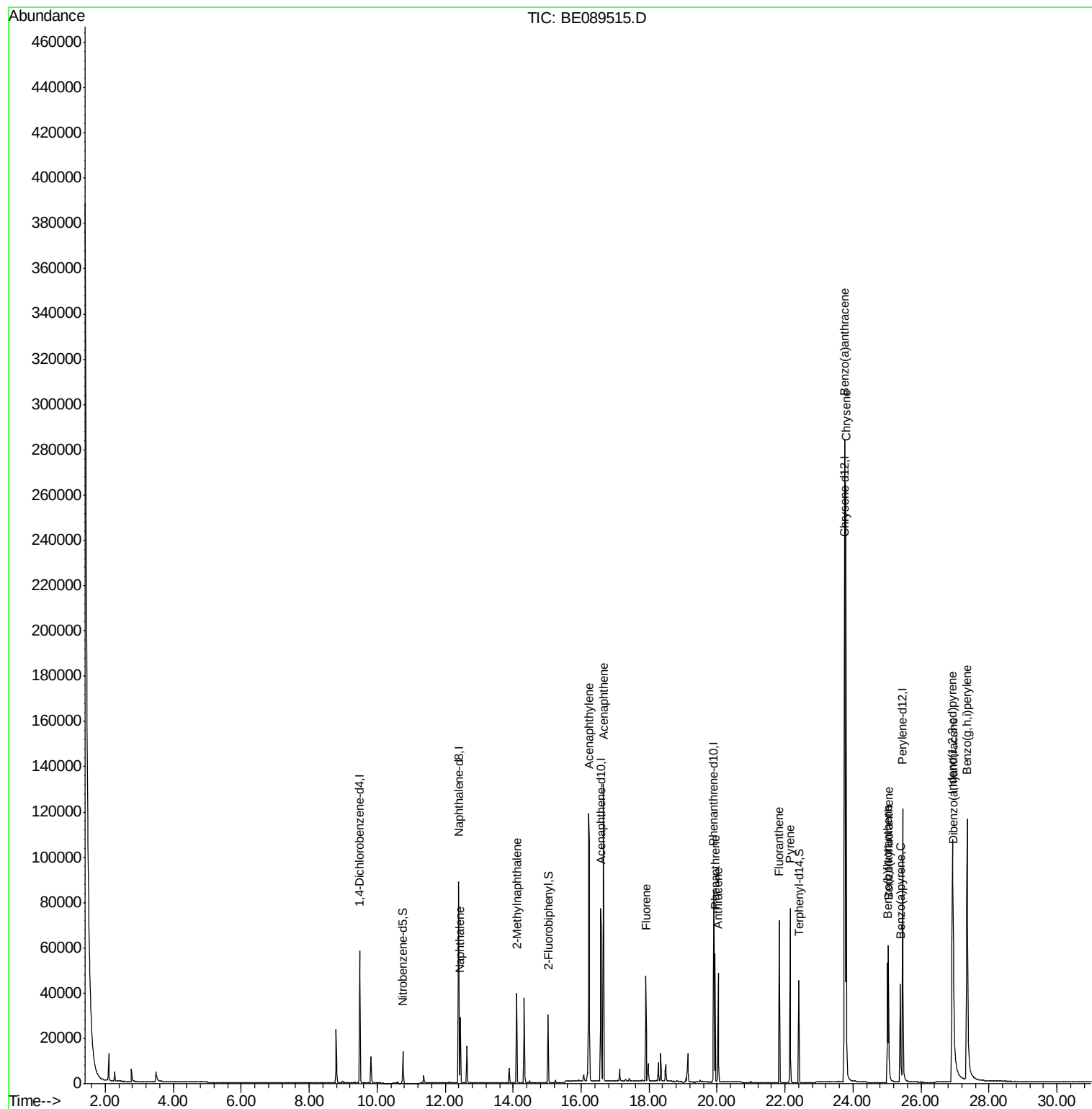
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.49	152	23290	5.00	ng	0.00
2) Naphthalene-d8	12.40	136	98177	5.00	ng	0.00
6) Acenaphthene-d10	16.58	164	47925	5.00	ng	-0.01
11) Phenanthrene-d10	19.90	188	95440	5.00	ng	0.00
16) Chrysene-d12	23.76	240	109286	5.00	ng	0.00
22) Perylene-d12	25.46	264	108386	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.75	82	10135	1.35	ng	0.00
7) 2-Fluorobiphenyl	15.03	172	26597	1.76	ng	0.00
18) Terphenyl-d14	22.40	244	37834	1.99	ng	0.00
Target Compounds						Ovalue
4) Naphthalene	12.44	128	31737	1.28	ng	99
5) 2-Methylnaphthalene	14.10	142	23771	1.47	ng	97
8) Acenaphthylene	16.23	152	161897	1.57	ng	100
9) Acenaphthene	16.65	154	24469	1.55	ng	96
10) Fluorene	17.91	166	30048	1.53	ng	100
13) Phenanthrene	19.94	178	49333	1.70	ng	100
14) Anthracene	20.03	178	46499	1.58	ng	99
15) Fluoranthene	21.83	202	49189	1.56	ng	99
17) Pyrene	22.14	202	53592	1.72	ng	100
19) Benzo(a)anthracene	23.75	228	203715	1.55	ng	96
20) Chrysene	23.79	228	218960	1.67	ng	95
21) Indeno(1,2,3-cd)pyrene	26.92	276	233679	1.53	ng	97
23) Benzo(b)fluoranthene	25.01	252	47207	1.55	ng	99
24) Benzo(k)fluoranthene	25.05	252	60341	1.75	ng	98
25) Benzo(a)pyrene	25.39	252	46067	1.53	ng	98
26) Dibenzo(a,h)anthracene	26.95	278	50805	1.58	ng	97
27) Benzo(g,h,i)perylene	27.36	276	200287	1.61	ng	96

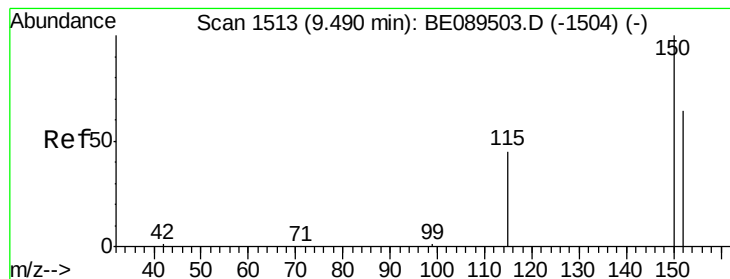
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.49 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE089515.D

Acq: 5 Feb 2015 22:48

Instrument :

BNA_E

LabSampleId :

SSTDCCC001EC

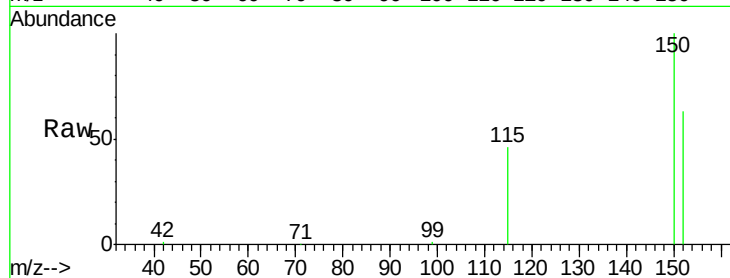
Tot Ion:152 Resp: 23290

Ion Ratio Lower Upper

152 100

150 157.9 125.0 187.6

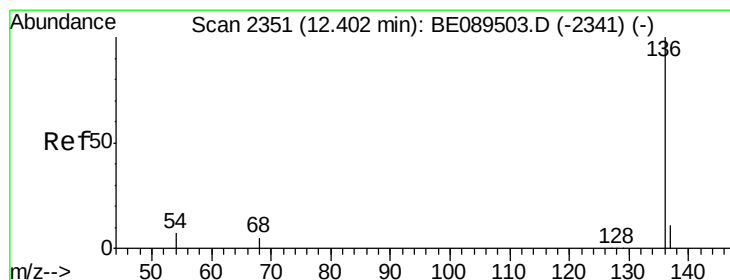
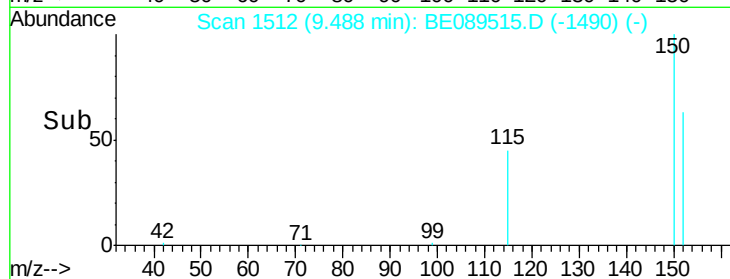
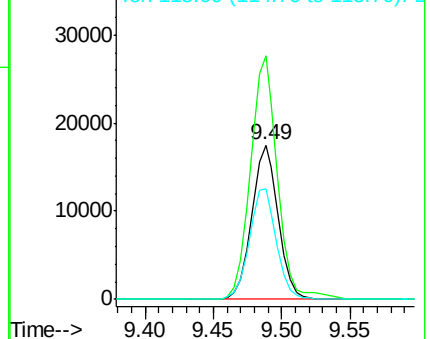
115 72.0 56.6 85.0



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# 2349

Delta R.T. -0.01 min

Lab File: BE089515.D

Acq: 5 Feb 2015 22:48

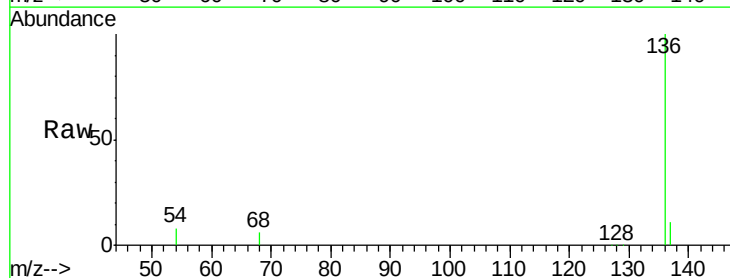
Tgt Ion:136 Resp: 98177

Ion Ratio Lower Upper

136 100

137 10.6 8.6 12.8

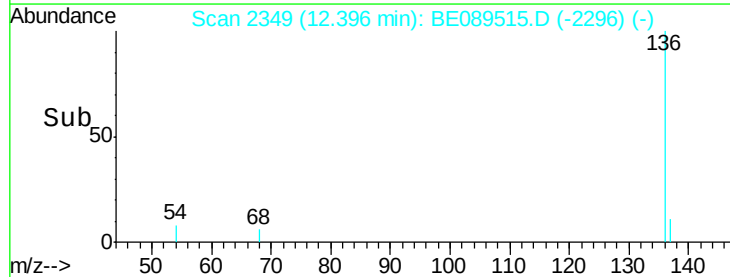
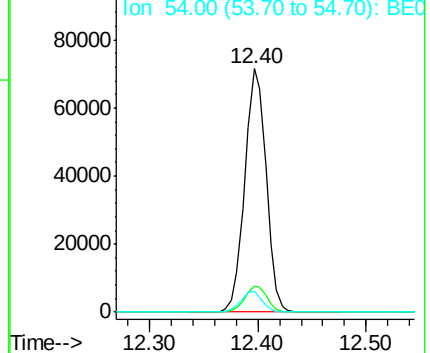
54 8.4 6.0 9.0

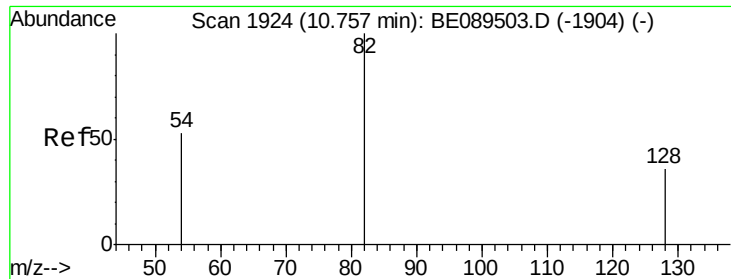


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 1.35 ng

RT: 10.75 min Scan# 1922

Delta R.T. -0.00 min

Lab File: BE089515.D

Acq: 5 Feb 2015 22:48

Instrument :

BNA_E

LabSampleId :

SSTDCCC001EC

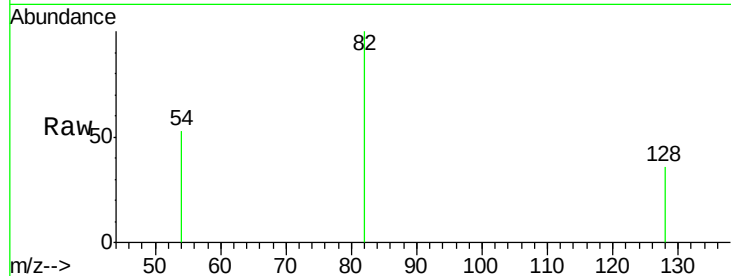
Tot Ion: 82 Resp: 10135

Ion Ratio Lower Upper

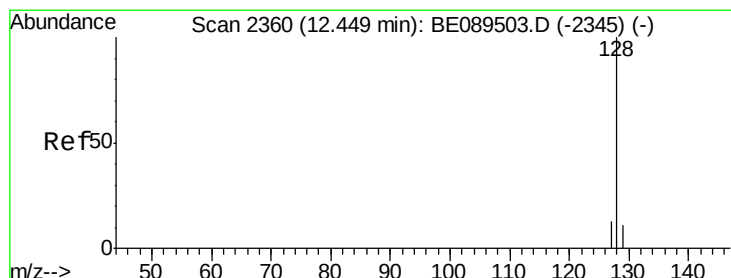
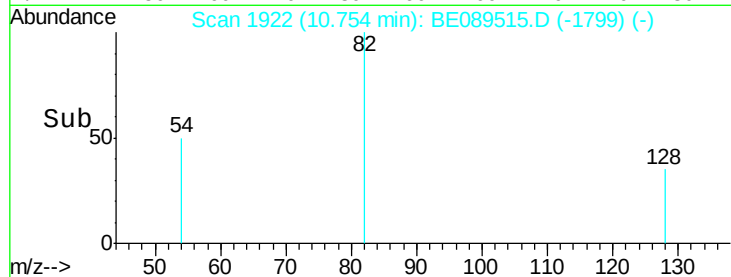
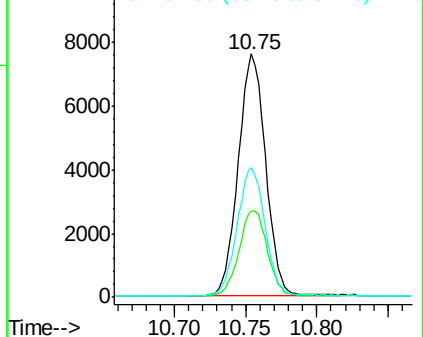
82 100

128 35.6 29.3 43.9

54 53.1 42.6 64.0



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0



#4

Naphthalene

Concen: 1.28 ng

RT: 12.44 min Scan# 2358

Delta R.T. -0.01 min

Lab File: BE089515.D

Acq: 5 Feb 2015 22:48

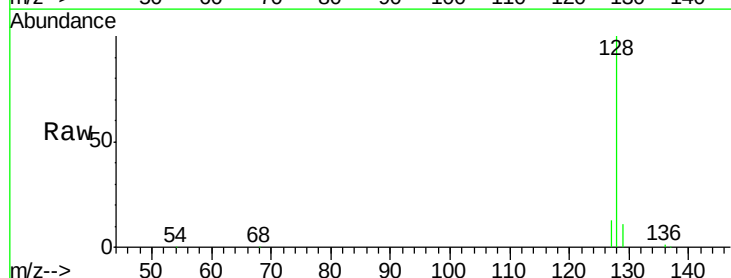
Tgt Ion: 128 Resp: 31737

Ion Ratio Lower Upper

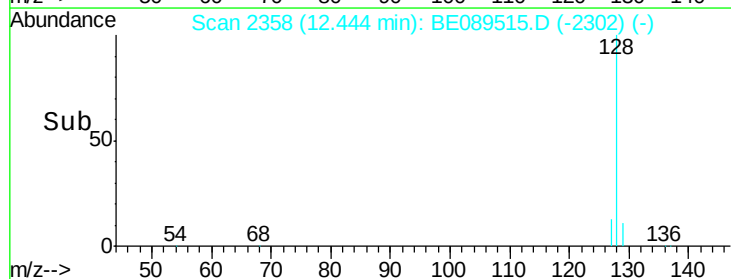
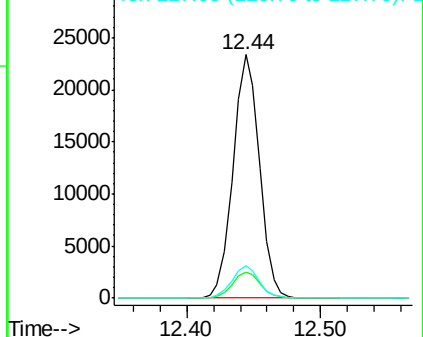
128 100

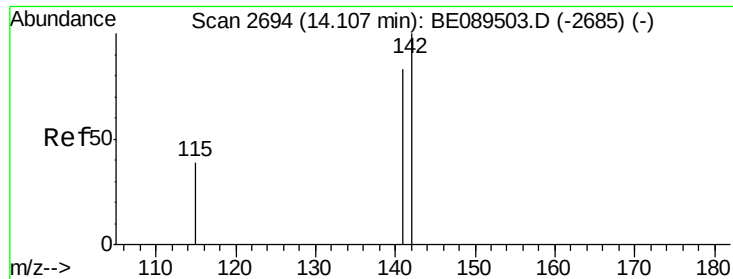
129 10.8 8.8 13.2

127 13.3 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: 1.47 ng

RT: 14.10 min Scan# 2692

Delta R.T. -0.00 min

Lab File: BE089515.D

Acq: 5 Feb 2015 22:48

Instrument :

BNA_E

LabSampleId :

SSTDCCC001EC

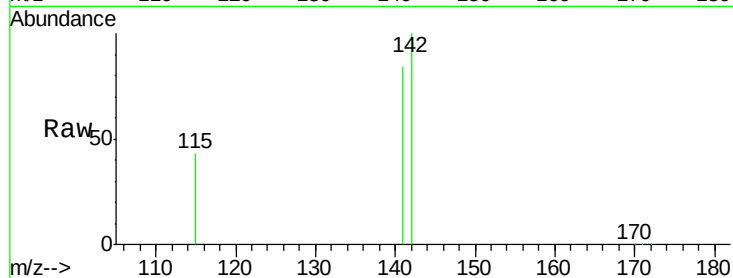
Tot Ion:142 Resp: 23771

Ion Ratio Lower Upper

142 100

141 84.3 66.3 99.5

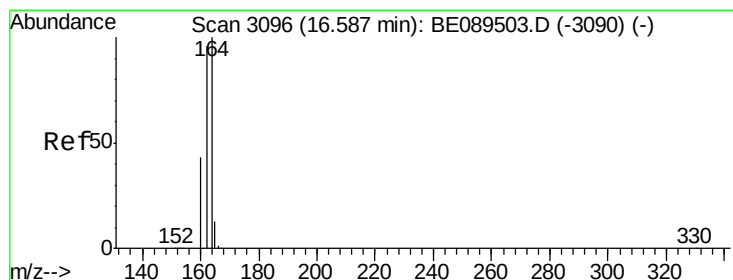
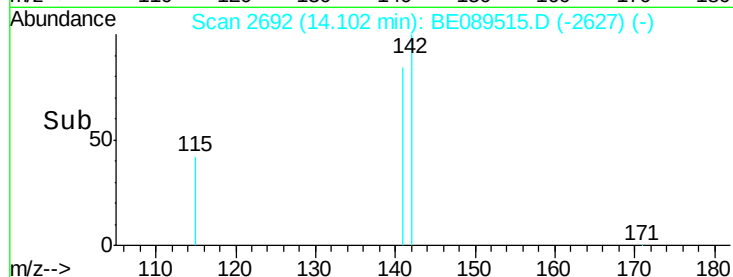
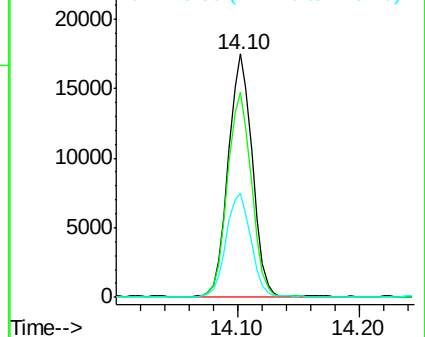
115 42.5 31.1 46.7



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# 3094

Delta R.T. -0.01 min

Lab File: BE089515.D

Acq: 5 Feb 2015 22:48

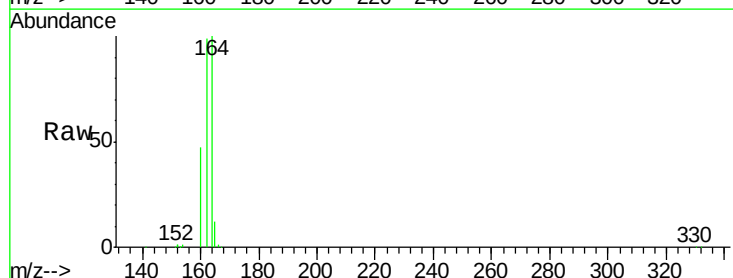
Tgt Ion:164 Resp: 47925

Ion Ratio Lower Upper

164 100

162 99.4 76.6 115.0

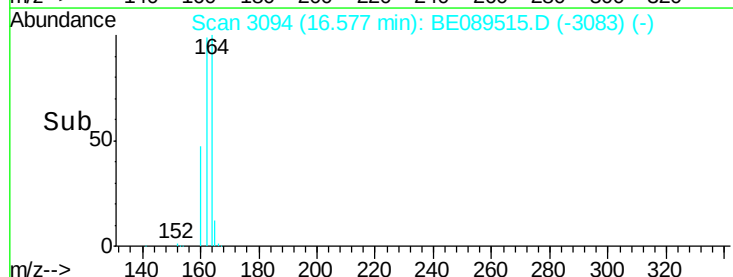
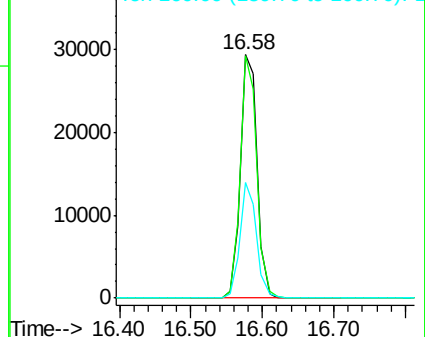
160 47.3 34.6 52.0

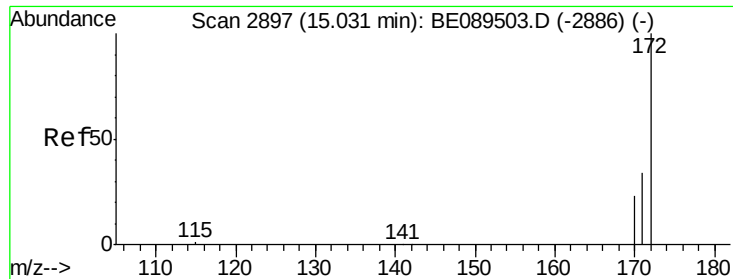


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 1.76 ng

RT: 15.03 min Scan# 2896

Delta R.T. 0.00 min

Lab File: BE089515.D

Acq: 5 Feb 2015 22:48

Instrument :

BNA_E

LabSampleId :

SSTDCCC001EC

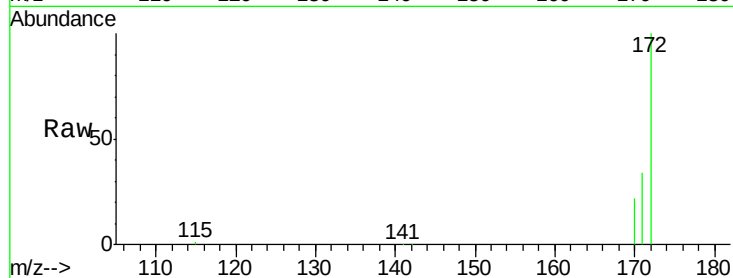
Tot Ion:172 Resp: 26597

Ion Ratio Lower Upper

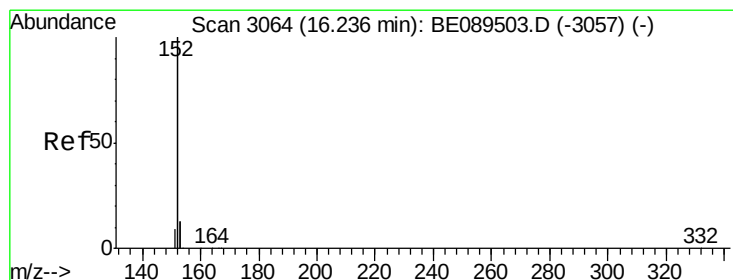
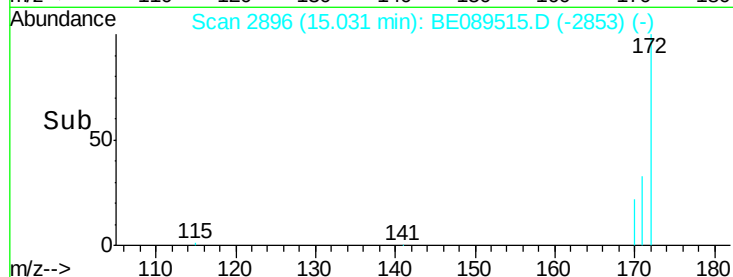
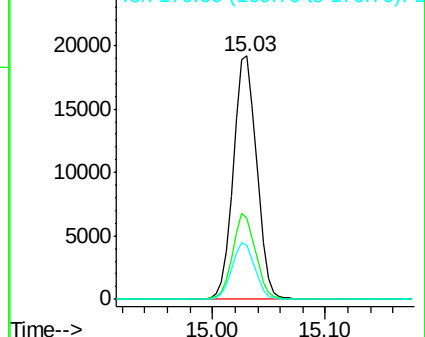
172 100

171 33.5 27.4 41.0

170 22.1 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: 1.57 ng

RT: 16.23 min Scan# 3062

Delta R.T. -0.01 min

Lab File: BE089515.D

Acq: 5 Feb 2015 22:48

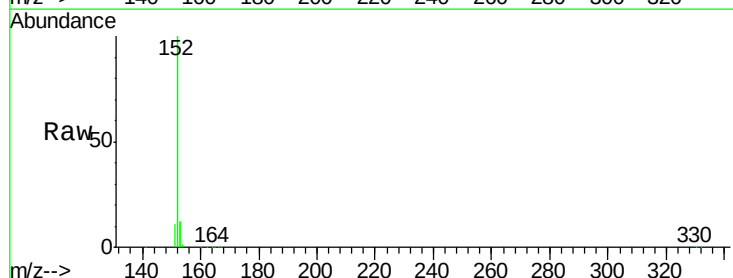
Tgt Ion:152 Resp: 161897

Ion Ratio Lower Upper

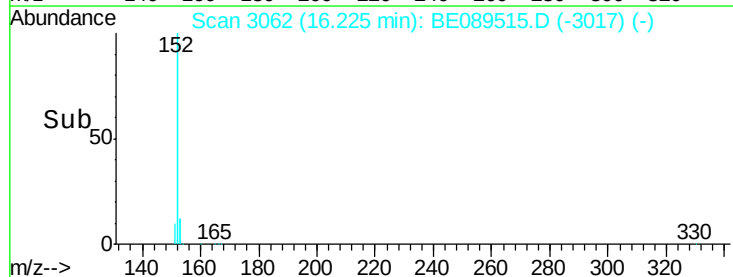
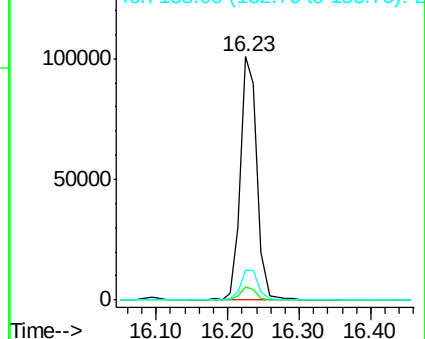
152 100

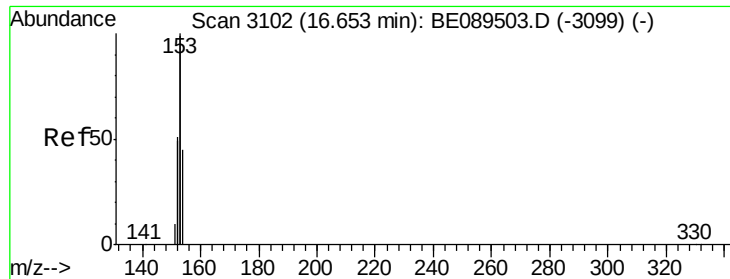
151 5.0 3.9 5.9

153 12.9 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: 1.55 ng

RT: 16.65 min Scan# 3101

Delta R.T. 0.00 min

Lab File: BE089515.D

Acq: 5 Feb 2015 22:48

Instrument :

BNA_E

LabSampleId :

SSTDCCC001EC

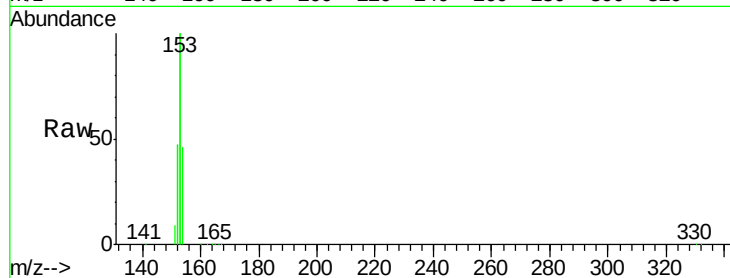
Tot Ion:154 Resp: 24469

Ion Ratio Lower Upper

154 100

153 438.4 341.5 512.3

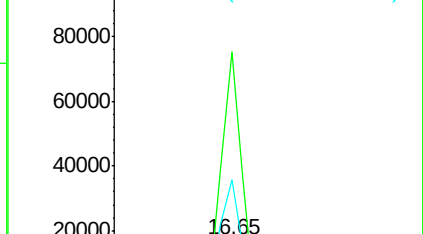
152 212.6 166.6 249.8



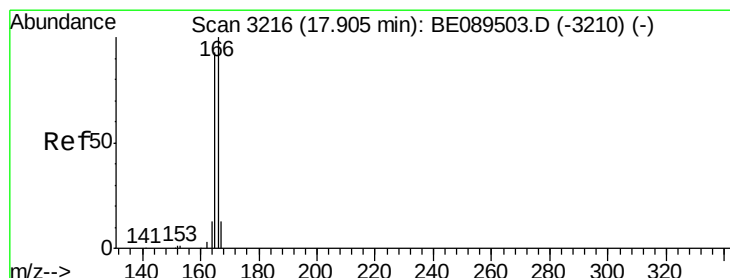
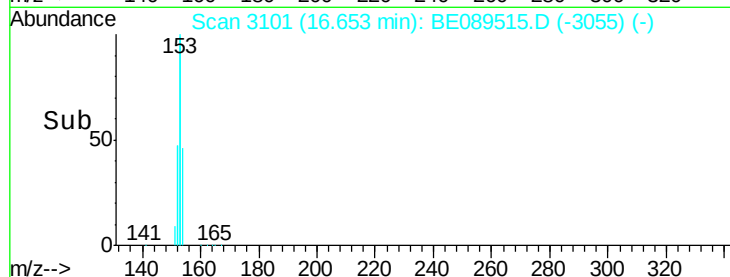
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->



#10

Fluorene

Concen: 1.53 ng

RT: 17.91 min Scan# 3215

Delta R.T. 0.00 min

Lab File: BE089515.D

Acq: 5 Feb 2015 22:48

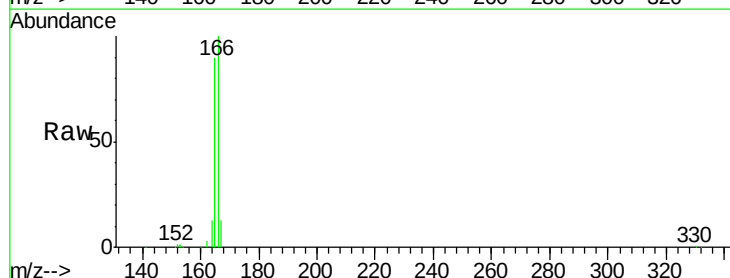
Tgt Ion:166 Resp: 30048

Ion Ratio Lower Upper

166 100

165 92.0 73.6 110.4

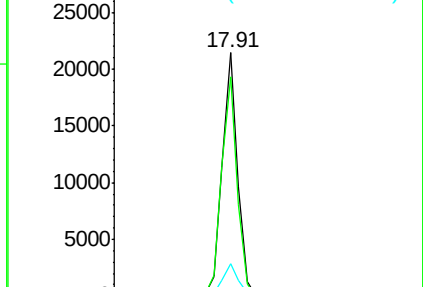
167 13.2 10.6 15.8



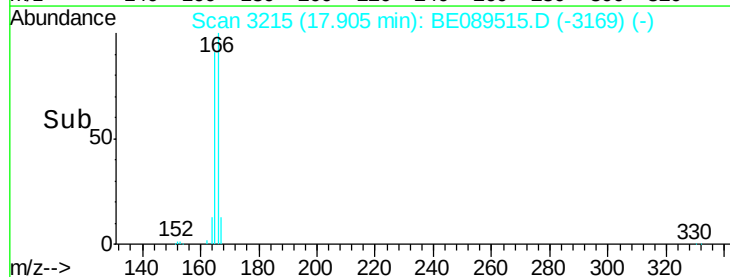
Abundance Ion 166.00 (165.70 to 166.70): E

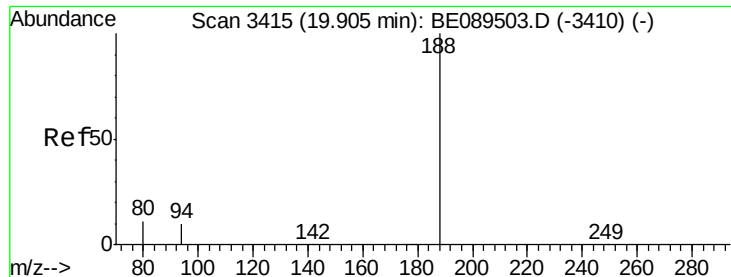
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->

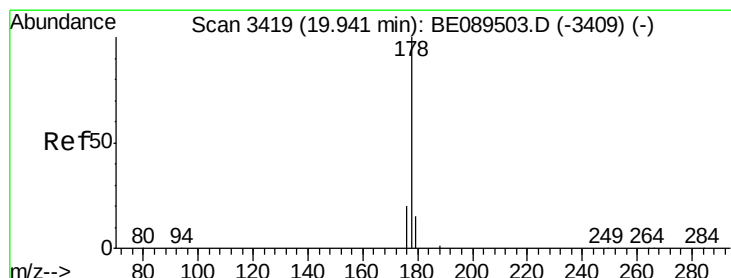
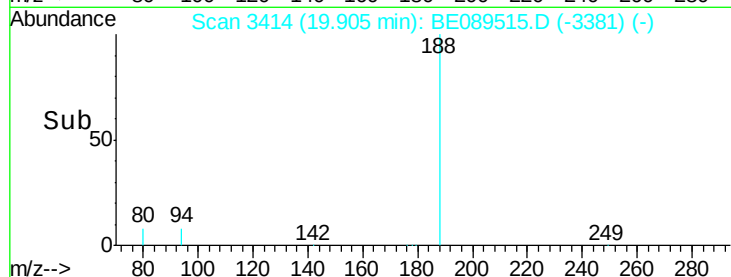
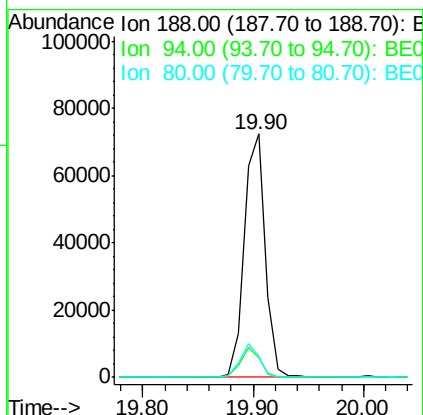
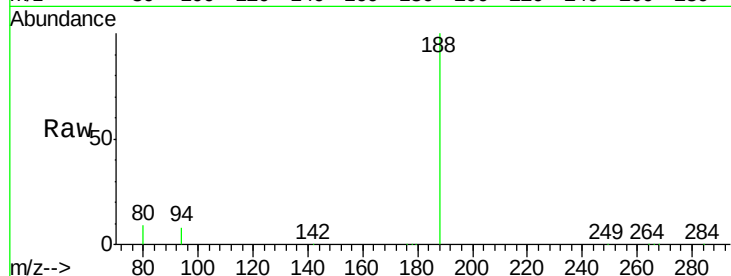




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.90 min Scan# 3414
Delta R.T. -0.00 min
Lab File: BE089515.D
Acq: 5 Feb 2015 22:48

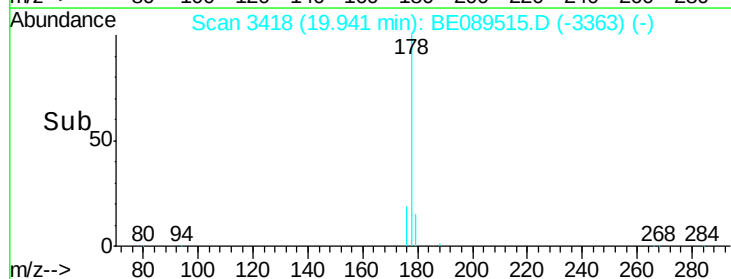
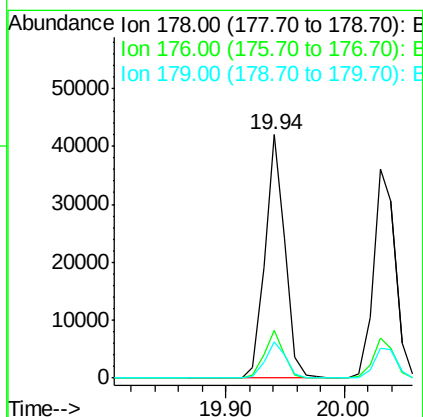
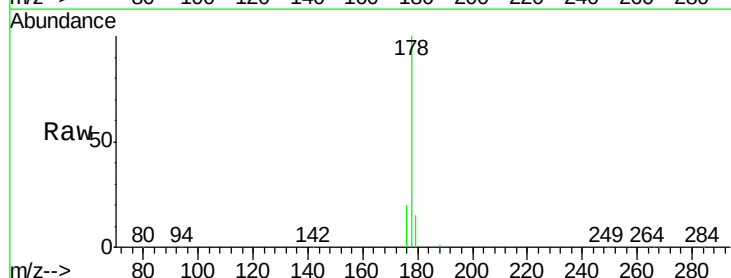
Instrument :
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SSTDCCC001EC

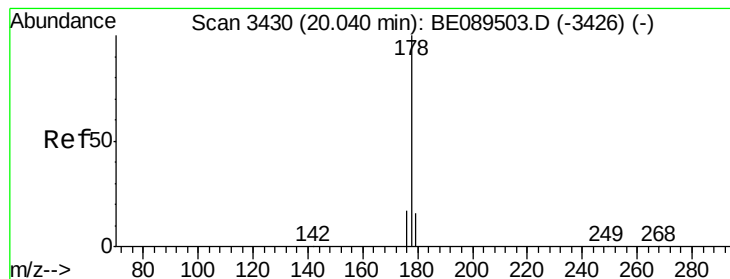
Tot Ion:188 Resp: 95440
Ion Ratio Lower Upper
188 100
94 8.3 8.2 12.4
80 8.5 8.7 13.1#



#13
Phenanthrene
Concen: 1.70 ng
RT: 19.94 min Scan# 3418
Delta R.T. -0.00 min
Lab File: BE089515.D
Acq: 5 Feb 2015 22:48

Tgt Ion:178 Resp: 49333
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.4 12.4 18.6





#14

Anthracene

Concen: 1.58 ng

RT: 20.03 min Scan# 3428

Delta R.T. -0.01 min

Lab File: BE089515.D

Acq: 5 Feb 2015 22:48

Instrument :

BNA_E

LabSampleId :

SSTDCCC001EC

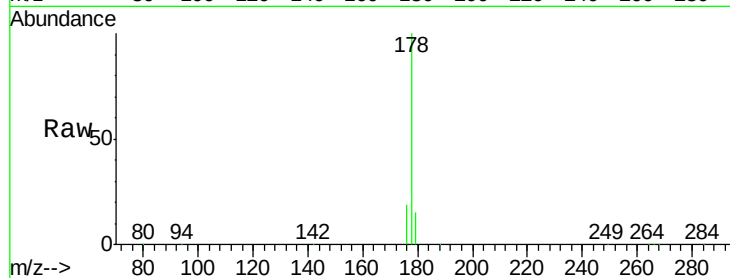
Tot Ion:178 Resp: 46499

Ion Ratio Lower Upper

178 100

176 18.1 14.6 22.0

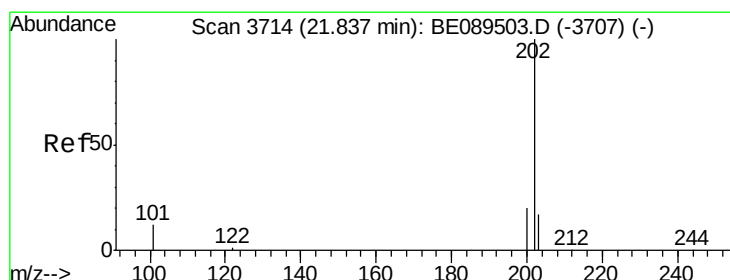
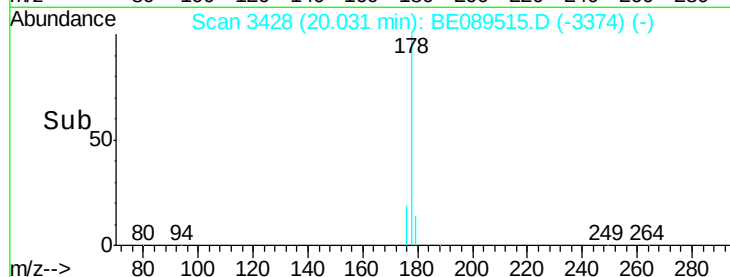
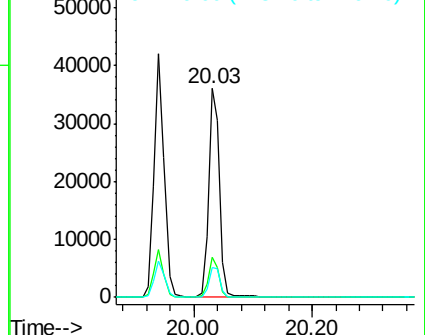
179 14.9 12.1 18.1



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: 1.56 ng

RT: 21.83 min Scan# 3712

Delta R.T. -0.00 min

Lab File: BE089515.D

Acq: 5 Feb 2015 22:48

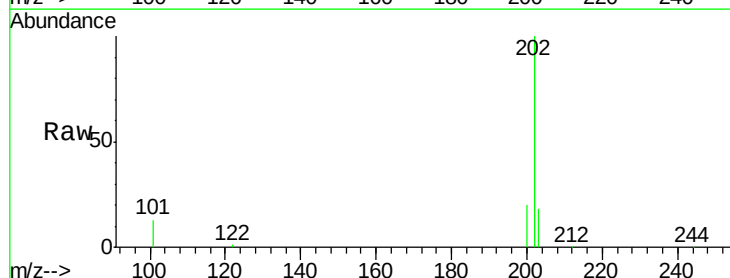
Tgt Ion:202 Resp: 49189

Ion Ratio Lower Upper

202 100

101 13.2 11.3 16.9

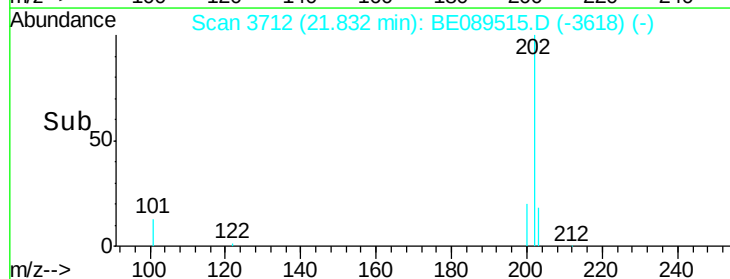
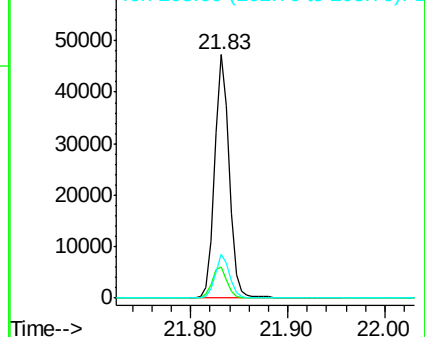
203 17.4 13.8 20.6

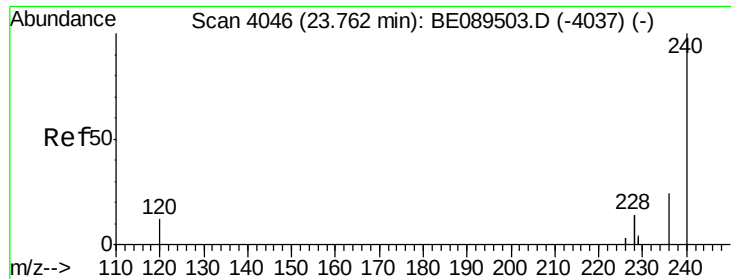


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

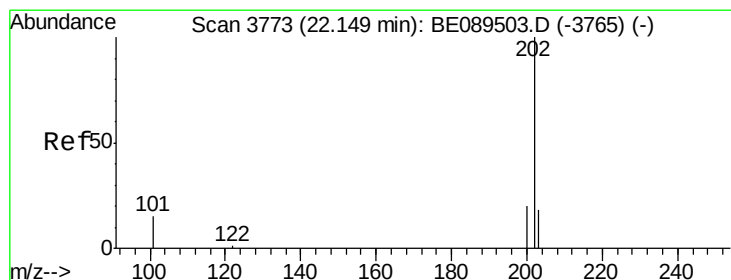
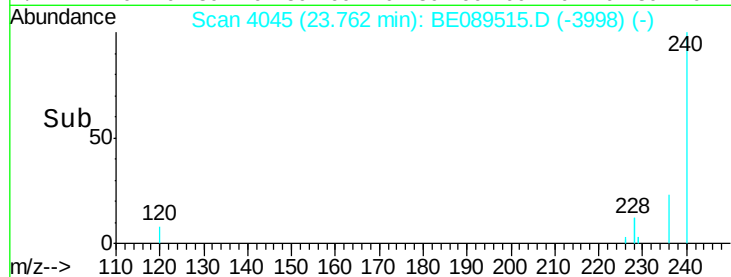
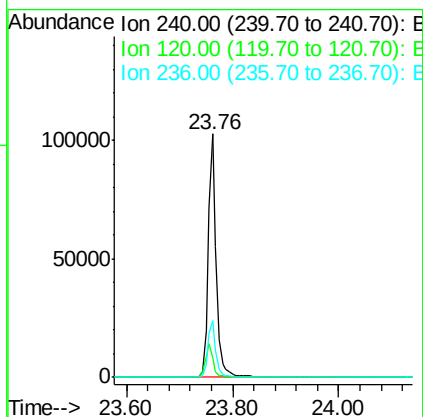
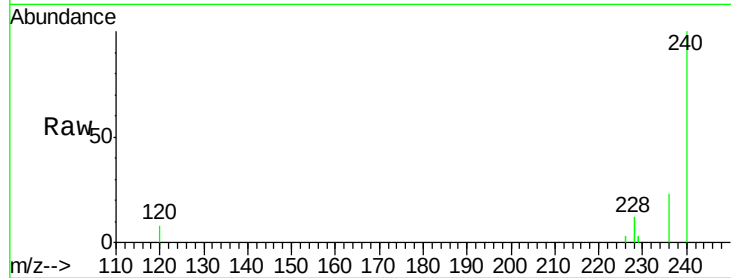




#16
Chrysene-d12
Concen: 5.00 ng
RT: 23.76 min Scan# 4045
Delta R.T. 0.00 min
Lab File: BE089515.D
Acq: 5 Feb 2015 22:48

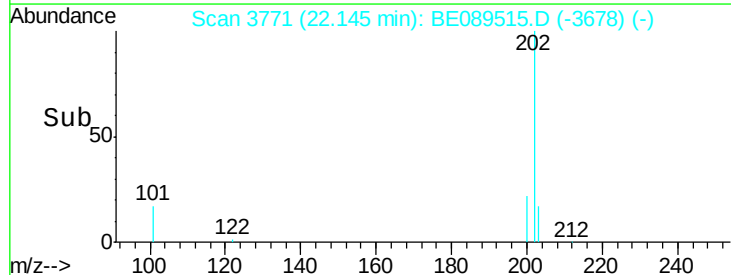
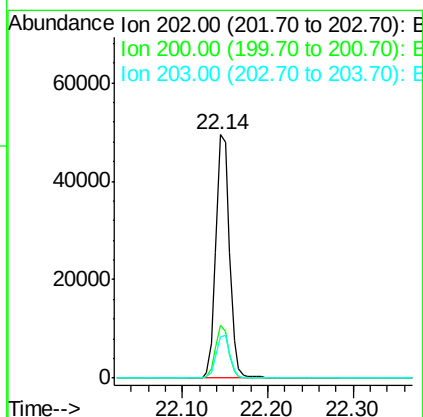
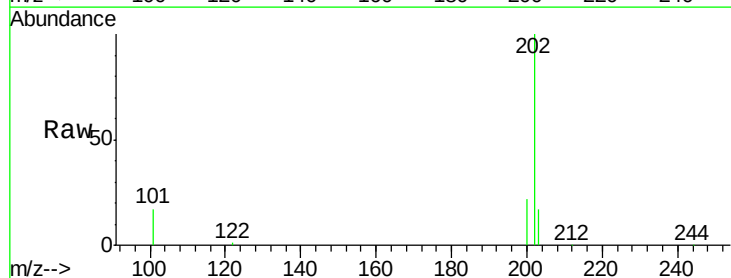
Instrument :
BNA_E
LabSampleId :
SSTDCCC001EC

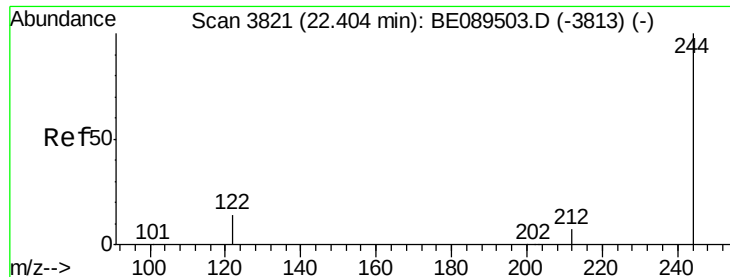
Tot Ion:240 Resp: 109286
Ion Ratio Lower Upper
240 100
120 8.2 9.6 14.4#
236 23.3 19.4 29.2



#17
Pyrene
Concen: 1.72 ng
RT: 22.14 min Scan# 3771
Delta R.T. -0.00 min
Lab File: BE089515.D
Acq: 5 Feb 2015 22:48

Tgt Ion:202 Resp: 53592
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 17.6 14.0 21.0





#18

Terphenyl-d14

Concen: 1.99 ng

RT: 22.40 min Scan# 3820

Delta R.T. 0.00 min

Lab File: BE089515.D

Acq: 5 Feb 2015 22:48

Instrument :

BNA_E

LabSampleId :

SSTDCCC001EC

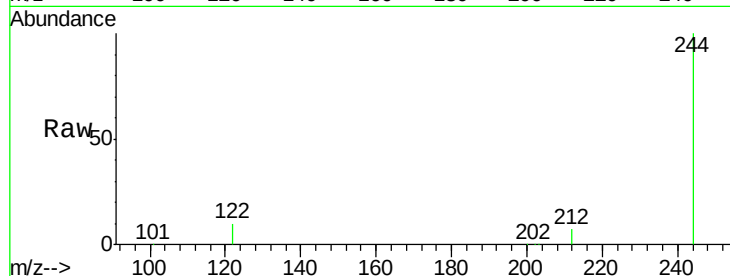
Tot Ion:244 Resp: 37834

Ion Ratio Lower Upper

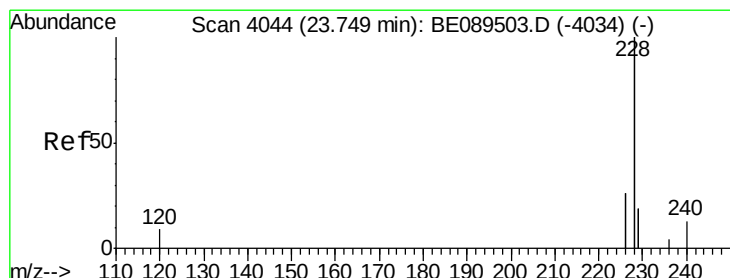
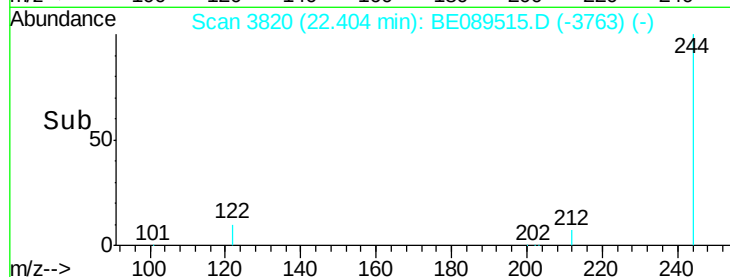
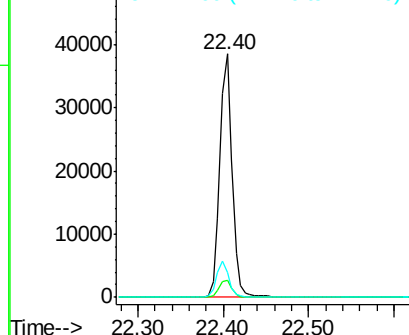
244 100

212 7.1 5.5 8.3

122 10.2 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: 1.55 ng

RT: 23.75 min Scan# 4043

Delta R.T. 0.00 min

Lab File: BE089515.D

Acq: 5 Feb 2015 22:48

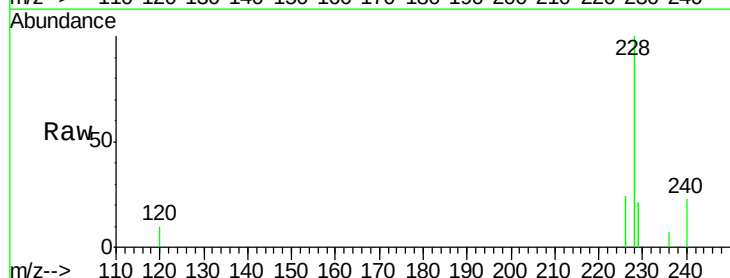
Tgt Ion:228 Resp: 203715

Ion Ratio Lower Upper

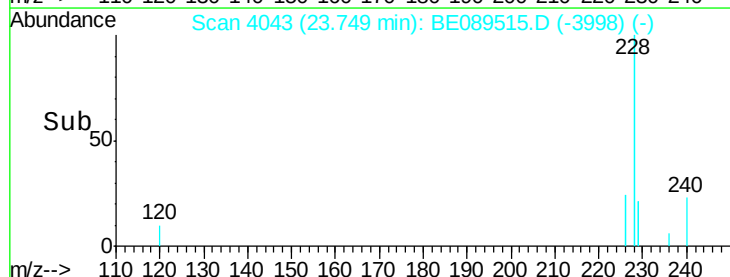
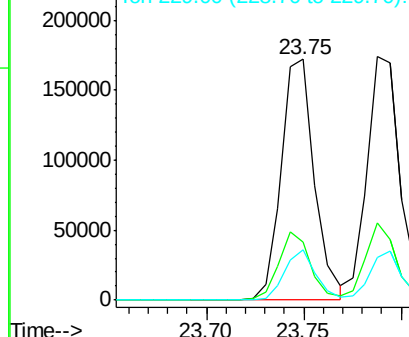
228 100

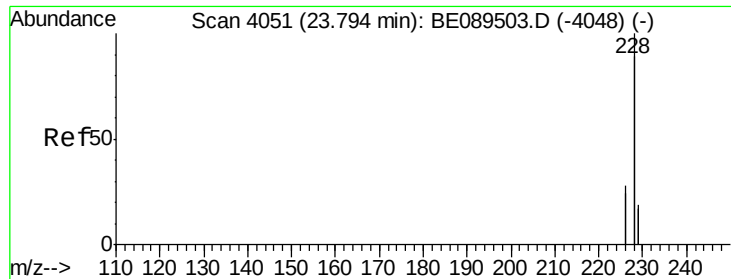
226 24.3 21.0 31.6

229 21.0 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: 1.67 ng

RT: 23.79 min Scan# 4049

Delta R.T. -0.01 min

Lab File: BE089515.D

Acq: 5 Feb 2015 22:48

Instrument :

BNA_E

LabSampleId :

SSTDCCC001EC

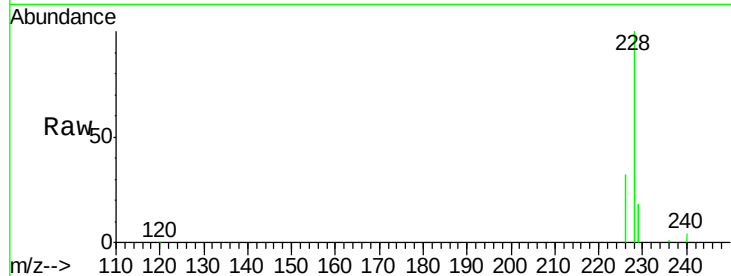
Tot Ion:228 Resp: 218960

Ion Ratio Lower Upper

228 100

226 31.5 22.3 33.5

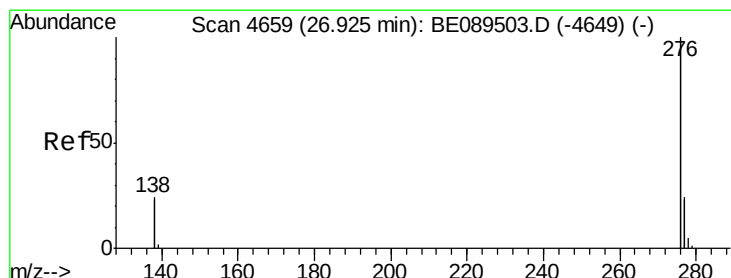
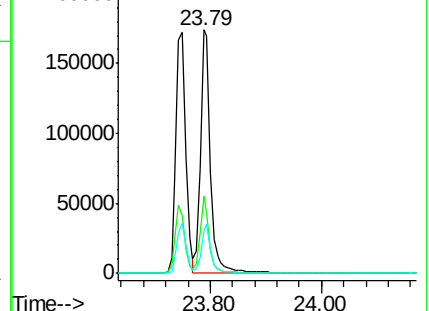
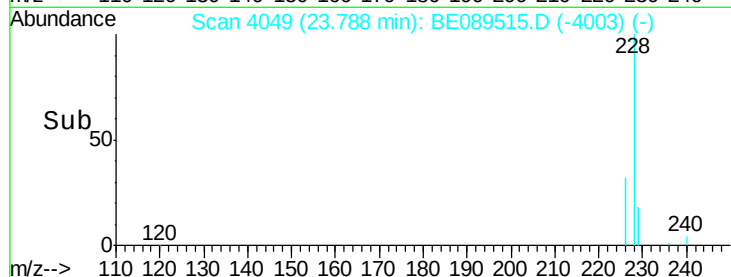
229 17.7 15.4 23.0



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: 1.53 ng

RT: 26.92 min Scan# 4657

Delta R.T. -0.01 min

Lab File: BE089515.D

Acq: 5 Feb 2015 22:48

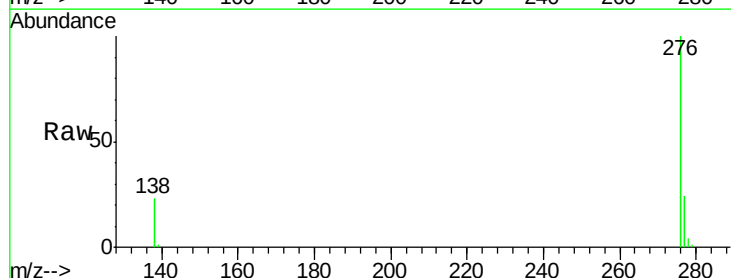
Tgt Ion:276 Resp: 233679

Ion Ratio Lower Upper

276 100

138 26.3 23.2 34.8

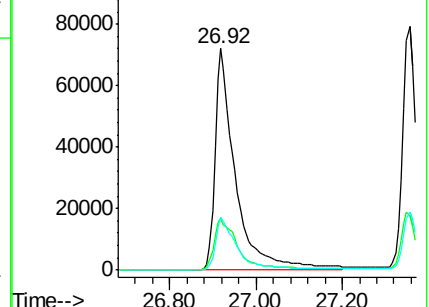
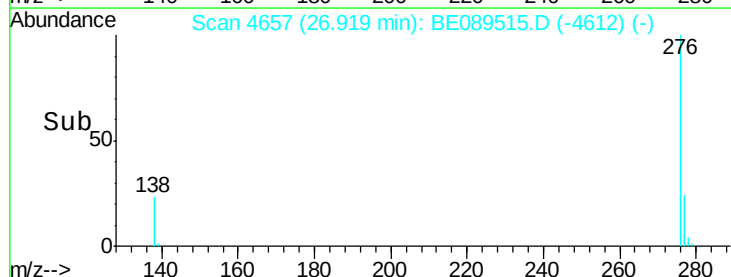
277 25.2 19.8 29.6

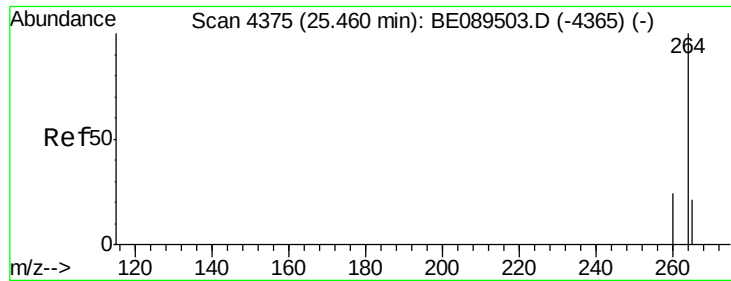


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



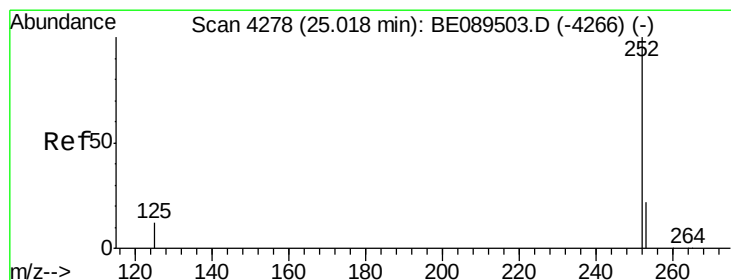
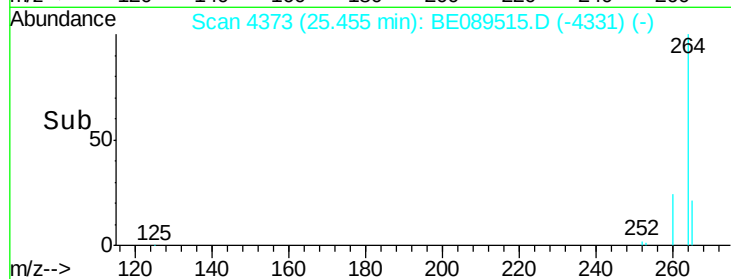
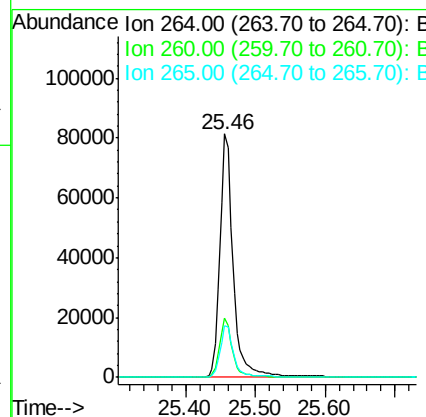
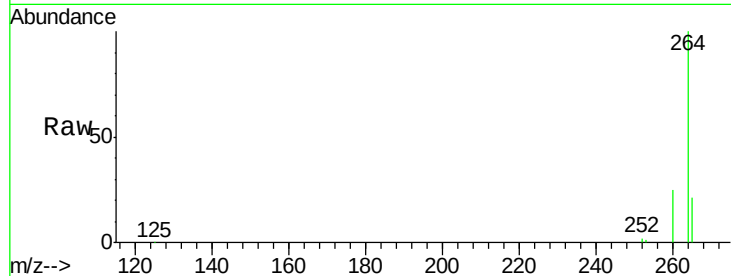


#22
Pervlene-d12
Concen: 5.00 ng
RT: 25.46 min Scan# 4373
Delta R.T. -0.00 min
Lab File: BE089515.D
Acq: 5 Feb 2015 22:48

Instrument :
BNA_E
LabSampleId :
SSTDCCC001EC

Tot Ion:264 Resp: 108386

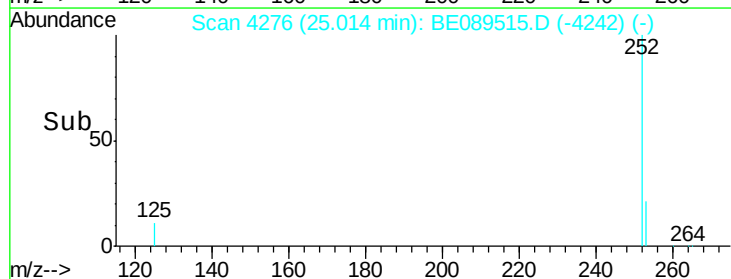
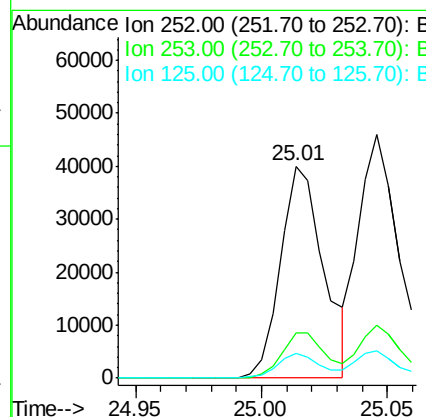
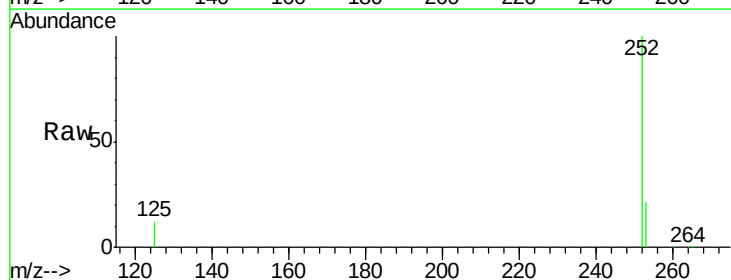
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.6
265	21.0	17.0	25.6

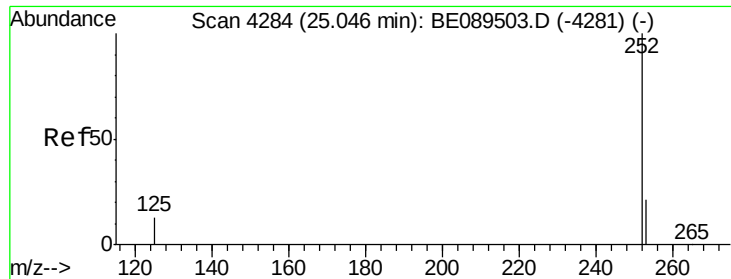


#23
Benzo(b)fluoranthene
Concen: 1.55 ng
RT: 25.01 min Scan# 4276
Delta R.T. -0.00 min
Lab File: BE089515.D
Acq: 5 Feb 2015 22:48

Tgt Ion:252 Resp: 47207

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.4	26.0
125	11.6	9.6	14.4





#24

Benzo(k)fluoranthene

Concen: 1.75 ng

RT: 25.05 min Scan# 4283

Delta R.T. 0.00 min

Lab File: BE089515.D

Acq: 5 Feb 2015 22:48

Instrument :

BNA_E

LabSampleId :

SSTDCCC001EC

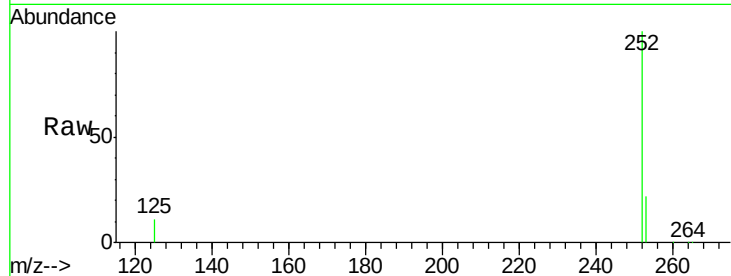
Tot Ion:252 Resp: 60341

Ion Ratio Lower Upper

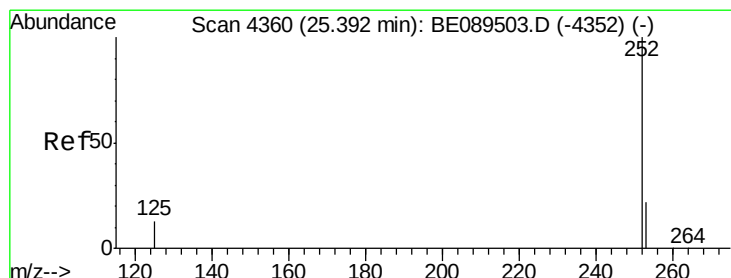
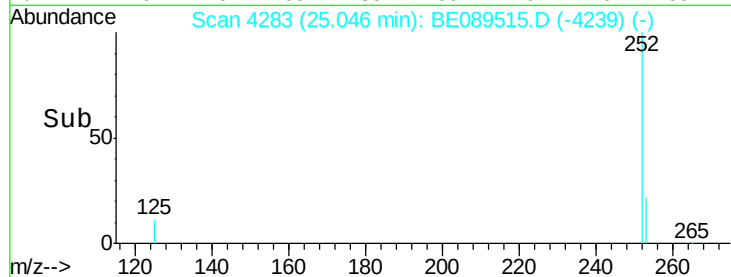
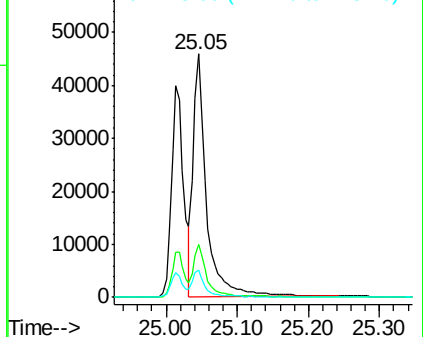
252 100

253 21.7 17.0 25.6

125 11.0 10.2 15.4



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

Benzo(a)pyrene

Concen: 1.53 ng

RT: 25.39 min Scan# 4358

Delta R.T. -0.00 min

Lab File: BE089515.D

Acq: 5 Feb 2015 22:48

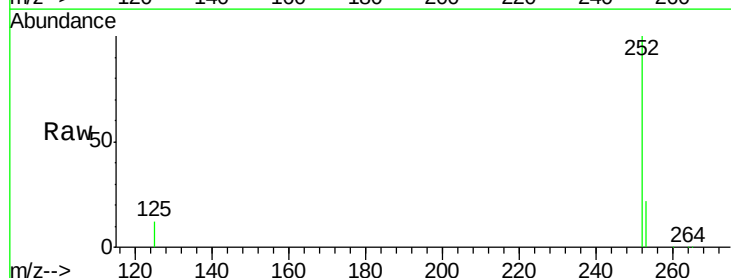
Tgt Ion:252 Resp: 46067

Ion Ratio Lower Upper

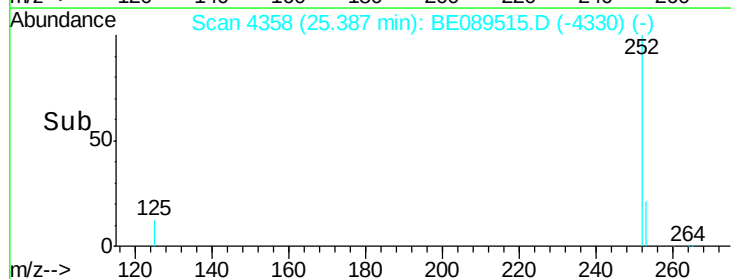
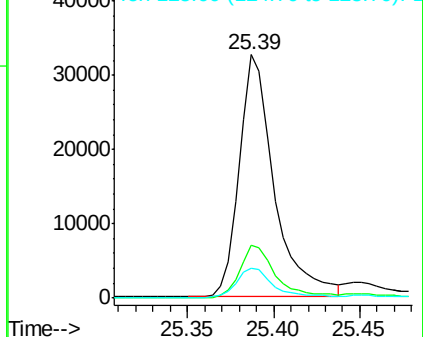
252 100

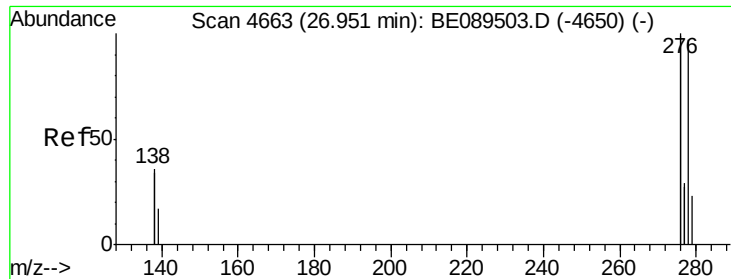
253 21.5 17.8 26.6

125 12.3 10.7 16.1



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

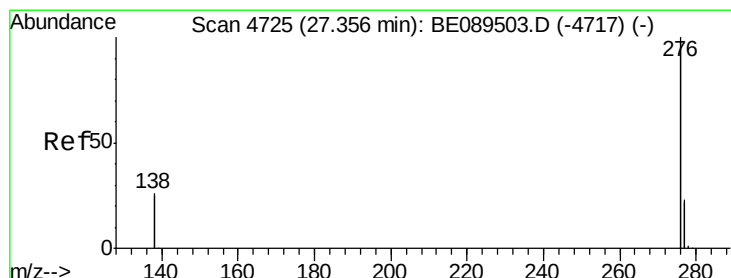
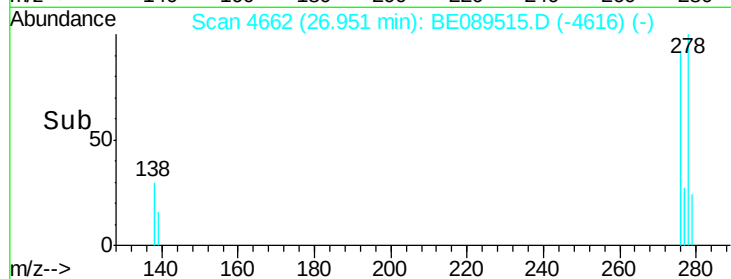
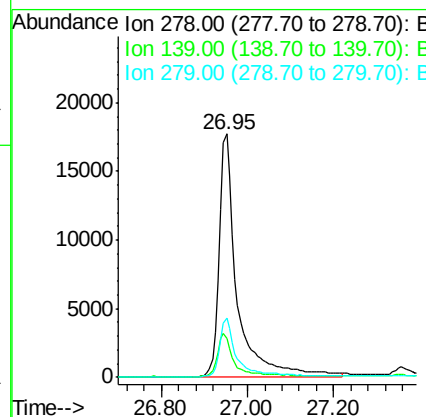
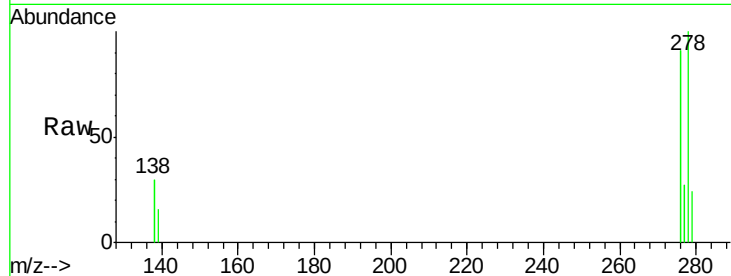




#26
Dibenzo(a,h)anthracene
Concen: 1.58 ng
RT: 26.95 min Scan# 4662
Delta R.T. 0.00 min
Lab File: BE089515.D
Acq: 5 Feb 2015 22:48

Instrument :
BNA_E
LabSampleId :
SSTDCCC001EC

Tot Ion:278 Resp: 50805
Ion Ratio Lower Upper
278 100
139 16.0 14.6 22.0
279 24.3 19.0 28.4



#27
Benzo(g,h,i)perylene
Concen: 1.61 ng
RT: 27.36 min Scan# 4724
Delta R.T. 0.00 min
Lab File: BE089515.D
Acq: 5 Feb 2015 22:48

Tgt Ion:276 Resp: 200287
Ion Ratio Lower Upper
276 100
277 23.8 18.6 28.0
138 22.5 20.8 31.2

