

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089539.D
 Acq On : 6 Feb 2015 23:01
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Quant Time: Feb 07 05:07:25 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE020615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 07 04:07:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.42	152	32758	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	119736	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	42066	5.00	ng	0.00
11) Phenanthrene-d10	19.84	188	62815	5.00	ng	0.00
16) Chrysene-d12	23.72	240	67492	5.00	ng	0.00
22) Perylene-d12	25.41	264	82426	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.69	82	7522	0.95	ng	0.00
7) 2-Fluorobiphenyl	14.96	172	11345	1.01	ng	0.00
18) Terphenyl-d14	22.36	244	7848	0.88	ng	0.00

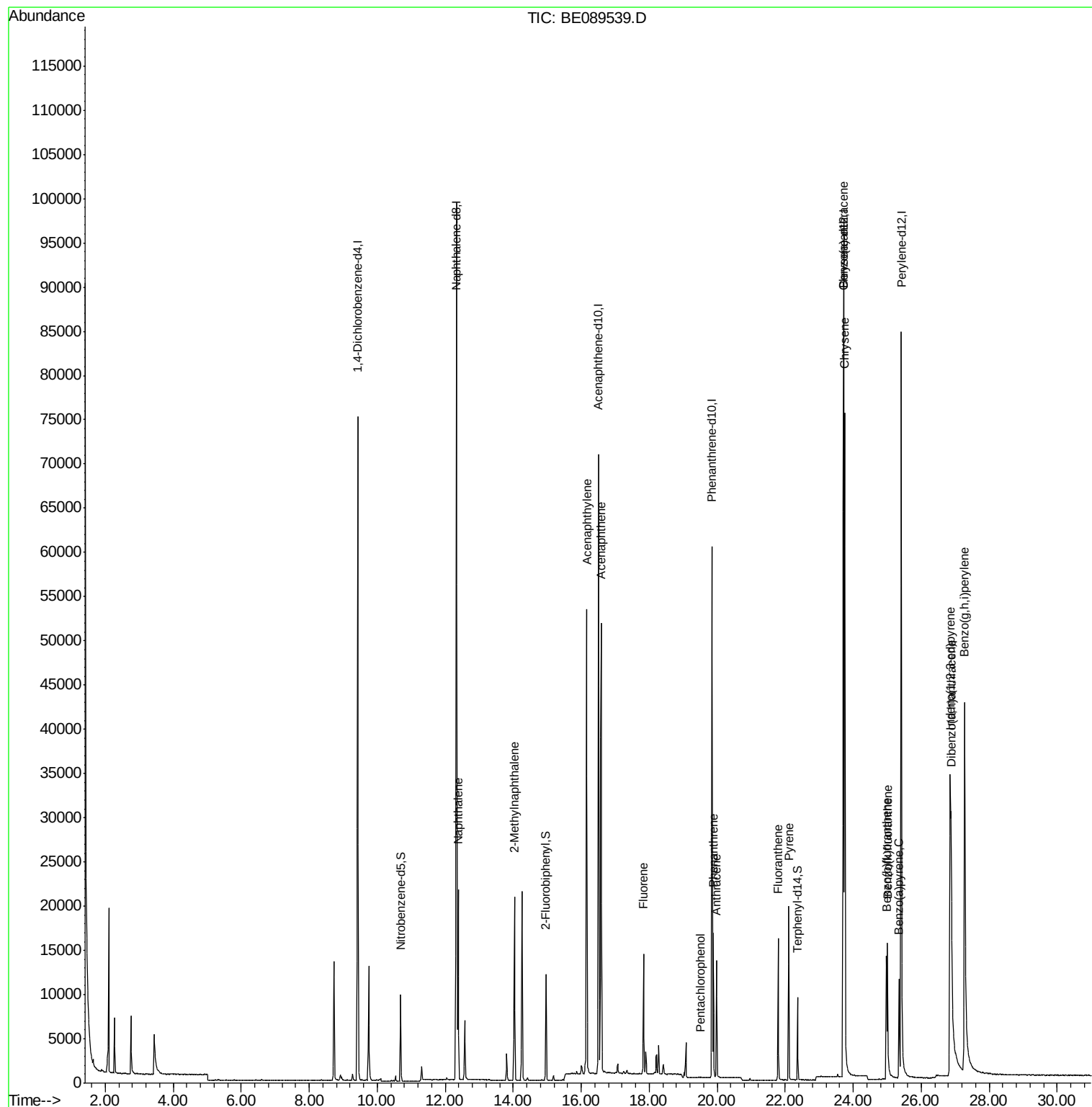
Target Compounds					Qvalue
4) Naphthalene	12.38	128	26038	0.96	ng 99
5) 2-Methylnaphthalene	14.03	142	14259	0.93	ng 97
8) Acenaphthylene	16.16	152	68636	0.97	ng 100
9) Acenaphthene	16.59	154	10688	0.95	ng 97
10) Fluorene	17.84	166	10447	0.88	ng 100
12) Pentachlorophenol	19.52	266	50	0.64	ng 93
13) Phenanthrene	19.89	178	14873	0.96	ng 99
14) Anthracene	19.98	178	12356	0.94	ng 99
15) Fluoranthene	21.79	202	12357	0.85	ng 99
17) Pyrene	22.10	202	13017	0.91	ng 100
19) Benzo(a)anthracene	23.70	228	51160	0.85	ng 92
20) Chrysene	23.75	228	61075	1.00	ng 93
21) Indeno(1,2,3-cd)pyrene	26.85	276	89359	1.05	ng 99
23) Benzo(b)fluoranthene	24.98	252	12405	0.78	ng 97
24) Benzo(k)fluoranthene	25.00	252	19407	0.98	ng 98
25) Benzo(a)pyrene	25.35	252	13392	0.84	ng 99
26) Dibenzo(a,h)anthracene	26.88	278	18249	0.93	ng 100
27) Benzo(g,h,i)perylene	27.28	276	80803	1.01	ng 98

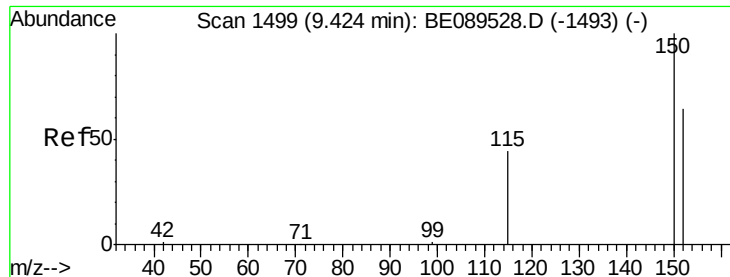
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.42 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BE089539.D

Acq: 6 Feb 2015 23:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

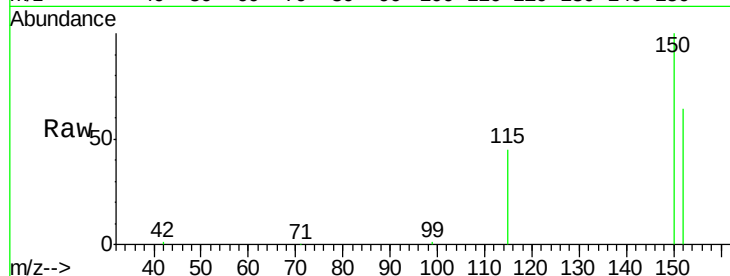
Tgt Ion:152 Resp: 32758

Ion Ratio Lower Upper

152 100

150 157.5 125.7 188.5

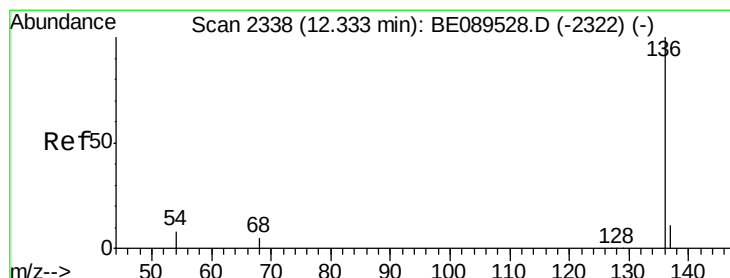
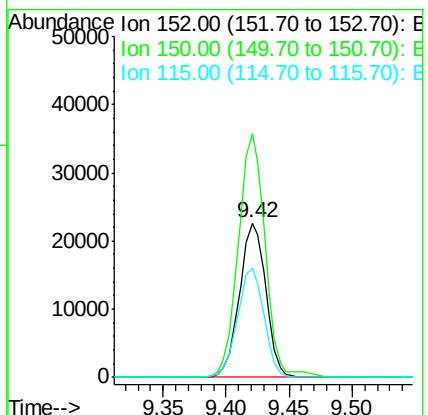
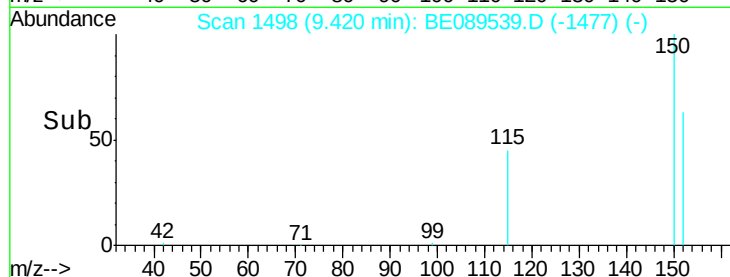
115 70.7 55.6 83.4



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: 12.33 min Scan# 2338

Delta R.T. -0.00 min

Lab File: BE089539.D

Acq: 6 Feb 2015 23:01

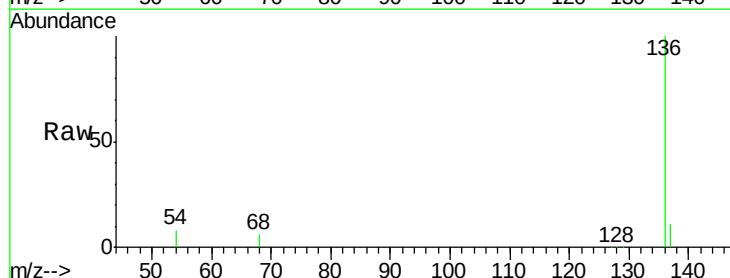
Tgt Ion:136 Resp: 119736

Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

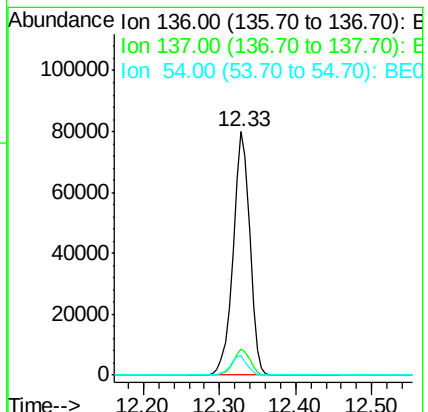
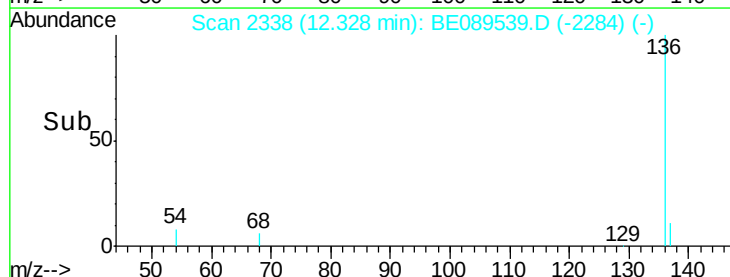
54 7.8 6.1 9.1

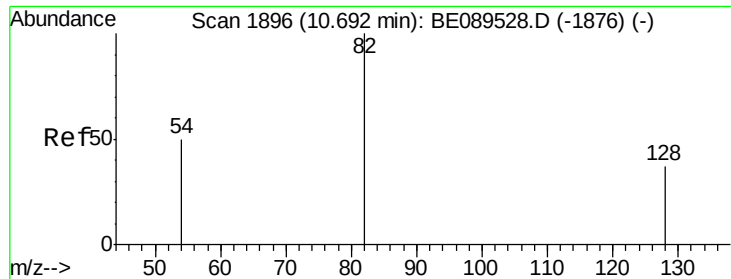


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 0.95 ng

RT: 10.69 min Scan# 1895

Delta R.T. -0.00 min

Lab File: BE089539.D

Acq: 6 Feb 2015 23:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

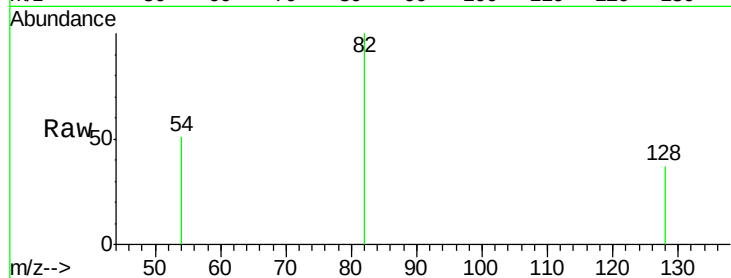
Tgt Ion: 82 Resp: 7522

Ion Ratio Lower Upper

82 100

128 36.6 30.2 45.4

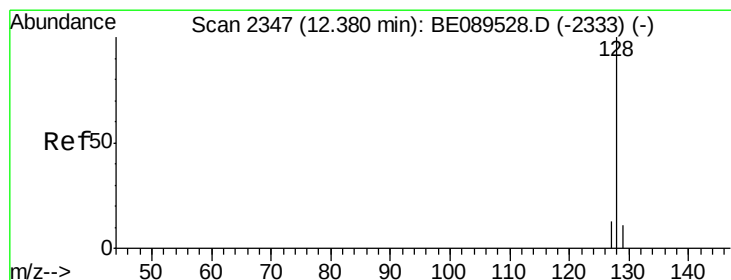
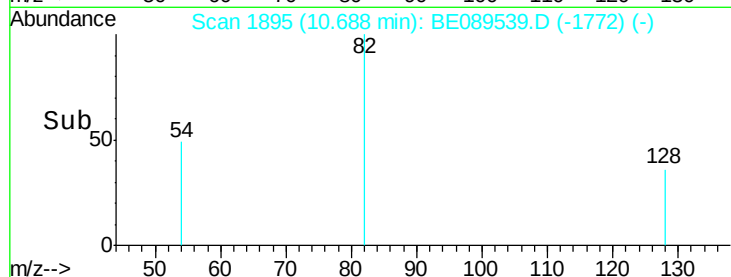
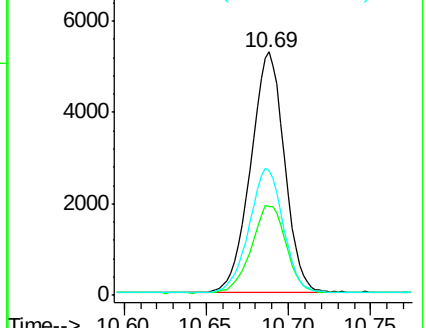
54 51.3 40.6 60.8



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: 0.96 ng

RT: 12.38 min Scan# 2347

Delta R.T. -0.00 min

Lab File: BE089539.D

Acq: 6 Feb 2015 23:01

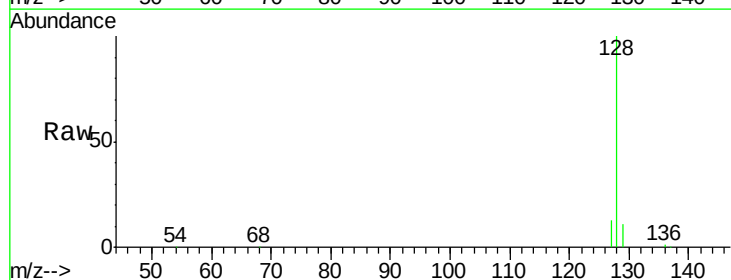
Tgt Ion: 128 Resp: 26038

Ion Ratio Lower Upper

128 100

129 10.8 9.1 13.7

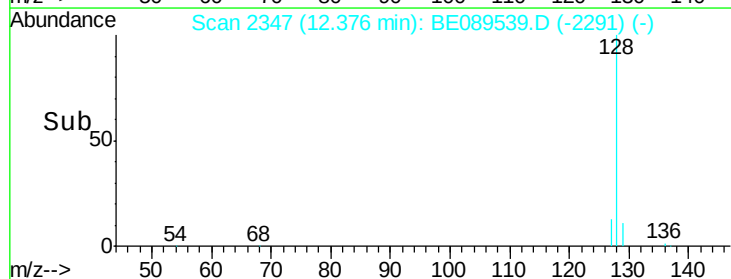
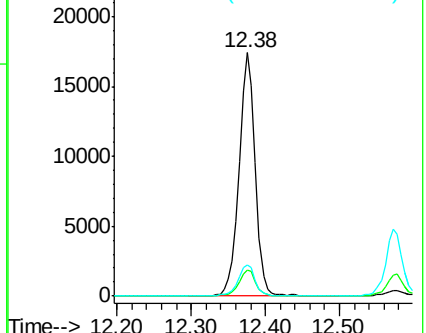
127 12.9 10.5 15.7

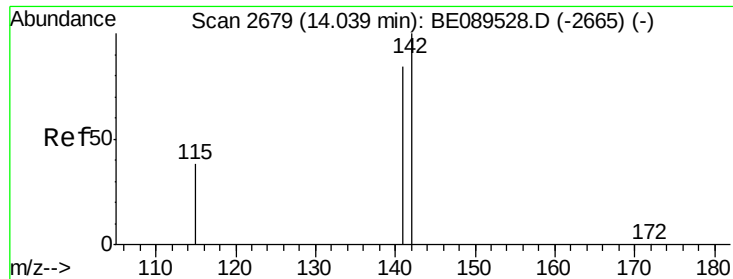


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#5

2-Methylnaphthalene

Concen: 0.93 ng

RT: 14.03 min Scan# 2679

Delta R.T. -0.01 min

Lab File: BE089539.D

Acq: 6 Feb 2015 23:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

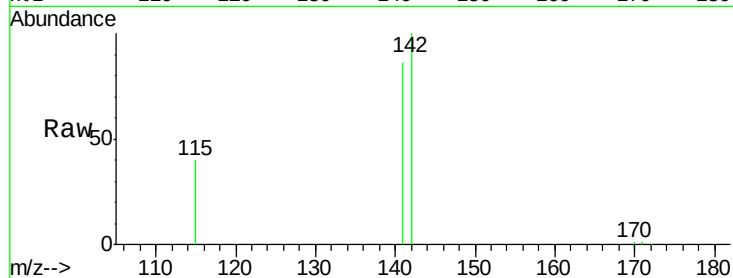
Tgt Ion:142 Resp: 14259

Ion Ratio Lower Upper

142 100

141 86.2 67.0 100.6

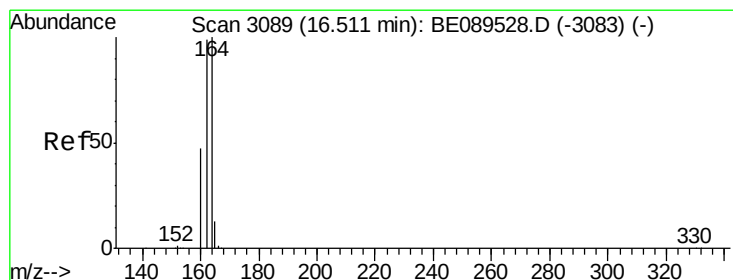
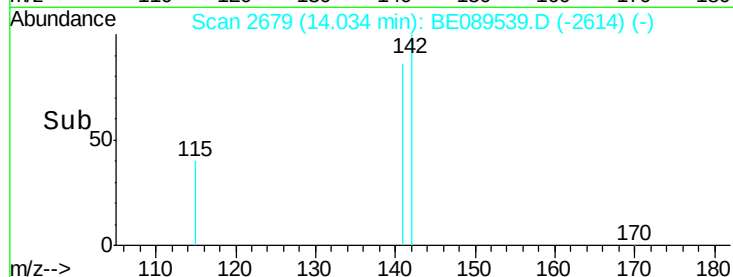
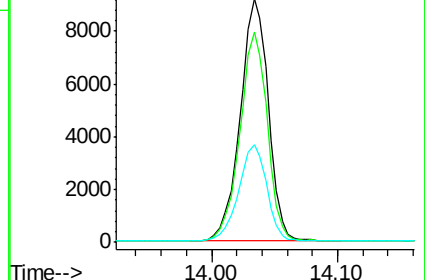
115 40.1 30.6 45.8



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: 16.51 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BE089539.D

Acq: 6 Feb 2015 23:01

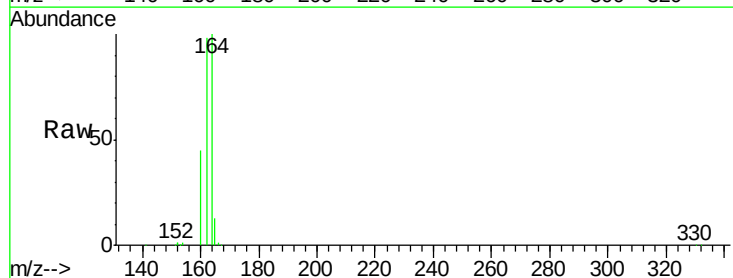
Tgt Ion:164 Resp: 42066

Ion Ratio Lower Upper

164 100

162 97.8 79.5 119.3

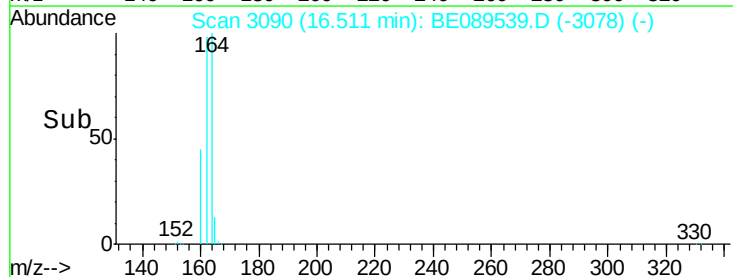
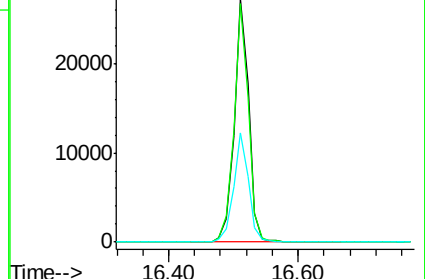
160 45.1 37.6 56.4

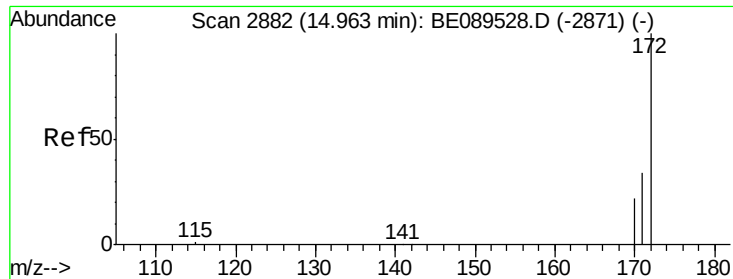


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 1.01 ng

RT: 14.96 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BE089539.D

Acq: 6 Feb 2015 23:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

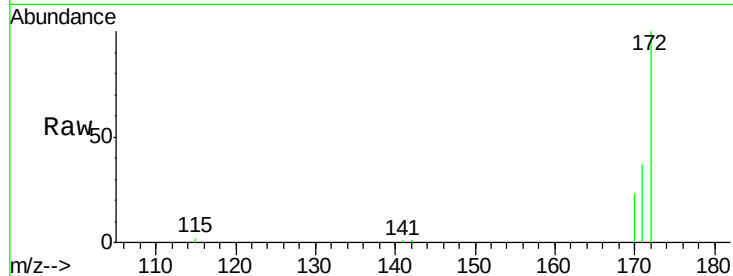
Tgt Ion:172 Resp: 11345

Ion Ratio Lower Upper

172 100

171 36.8 27.7 41.5

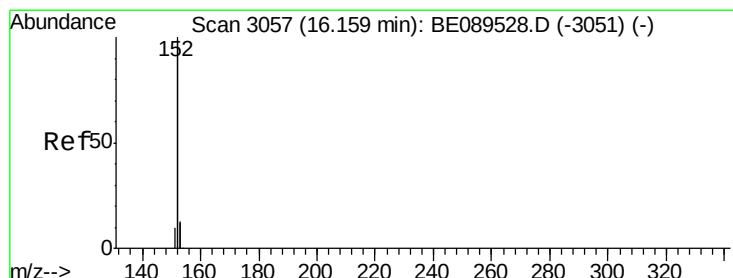
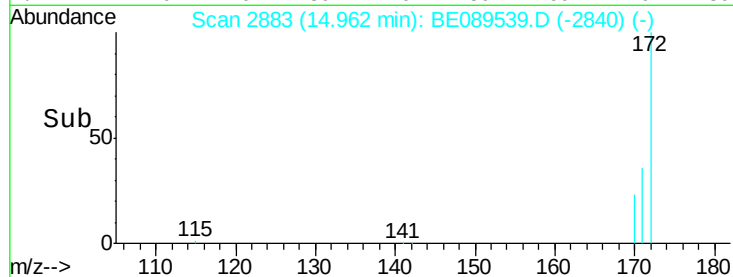
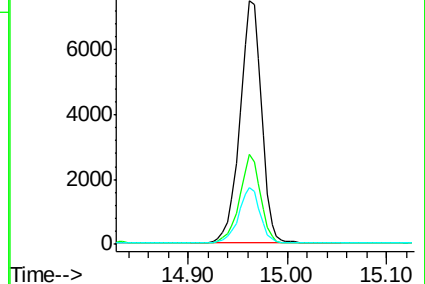
170 23.3 18.3 27.5



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: 0.97 ng

RT: 16.16 min Scan# 3058

Delta R.T. 0.00 min

Lab File: BE089539.D

Acq: 6 Feb 2015 23:01

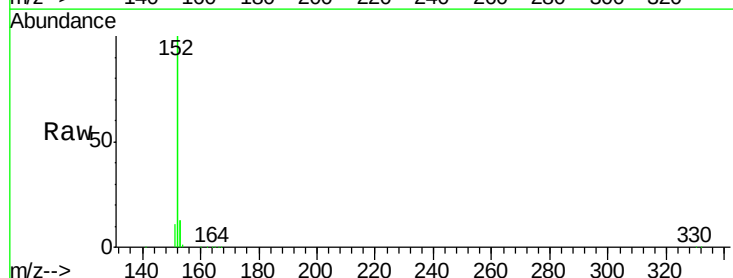
Tgt Ion:152 Resp: 68636

Ion Ratio Lower Upper

152 100

151 4.9 4.0 6.0

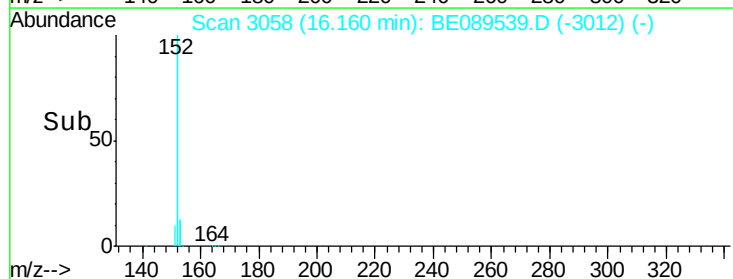
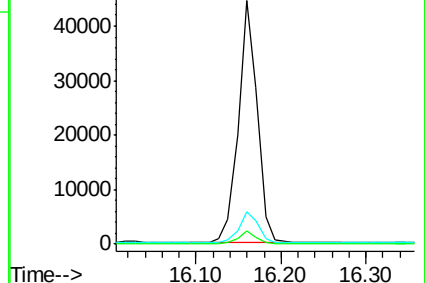
153 13.1 10.6 15.8

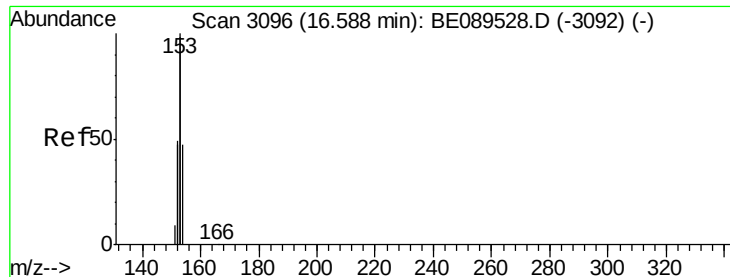


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.95 ng

RT: 16.59 min Scan# 3097

Delta R.T. 0.00 min

Lab File: BE089539.D

Acq: 6 Feb 2015 23:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

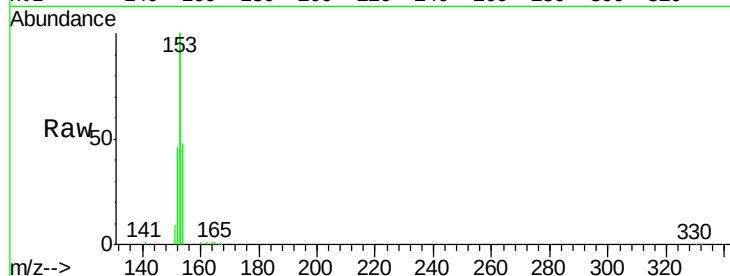
Tgt Ion:154 Resp: 10688

Ion Ratio Lower Upper

154 100

153 433.7 340.8 511.2

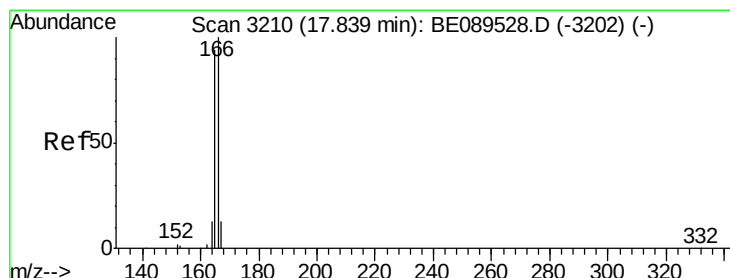
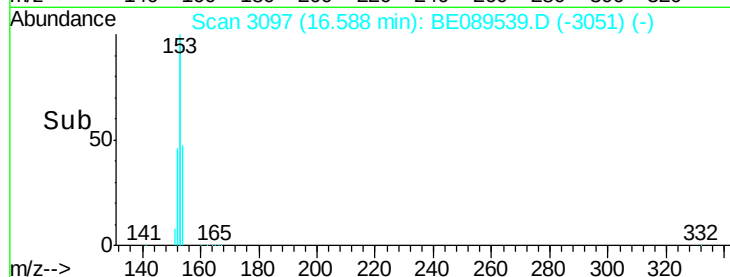
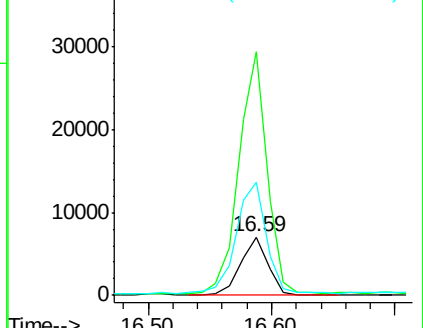
152 212.8 165.5 248.3



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: 0.88 ng

RT: 17.84 min Scan# 3211

Delta R.T. 0.00 min

Lab File: BE089539.D

Acq: 6 Feb 2015 23:01

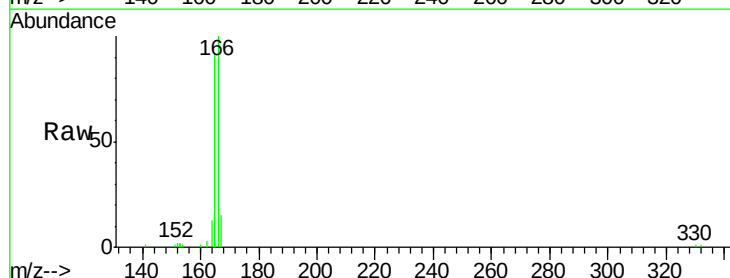
Tgt Ion:166 Resp: 10447

Ion Ratio Lower Upper

166 100

165 93.9 75.5 113.3

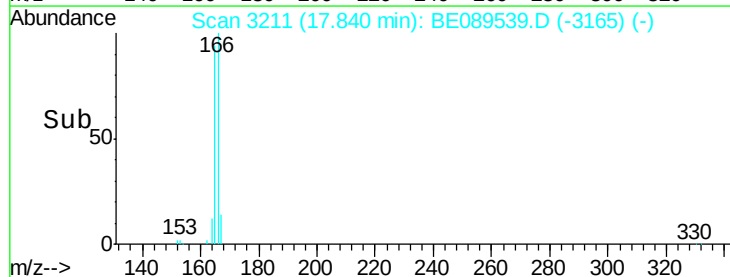
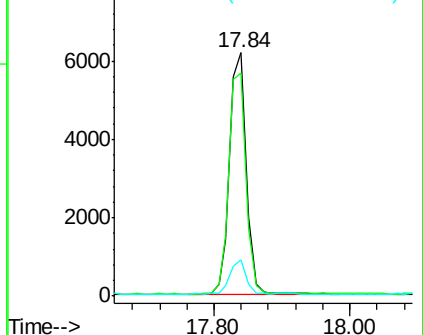
167 13.6 10.9 16.3

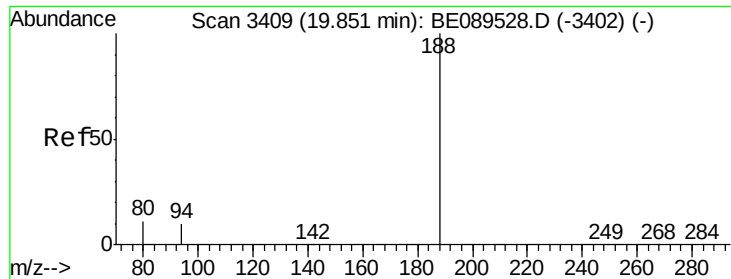


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

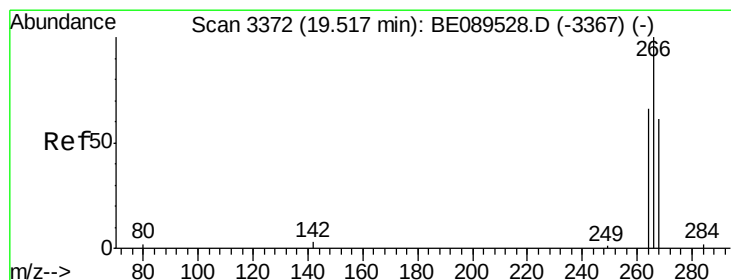
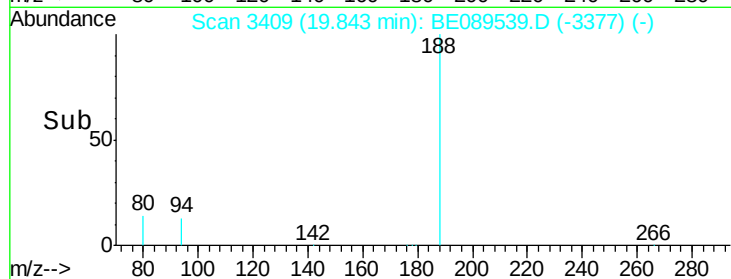
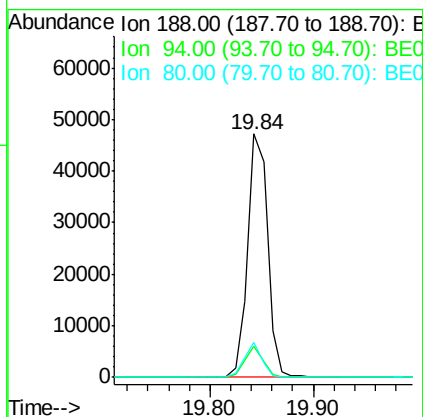
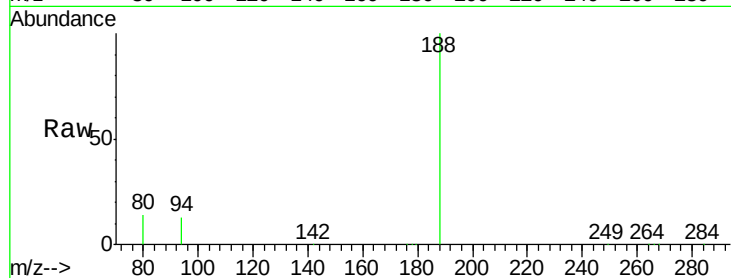




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.84 min Scan# 3409
Delta R.T. -0.01 min
Lab File: BE089539.D
Acq: 6 Feb 2015 23:01

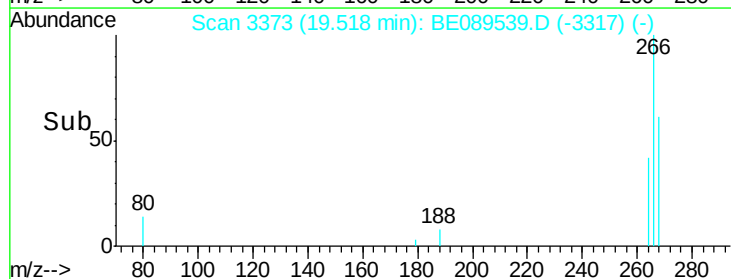
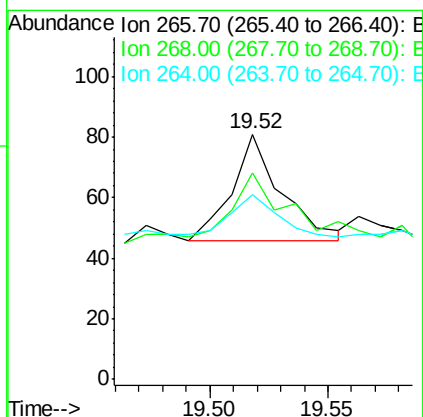
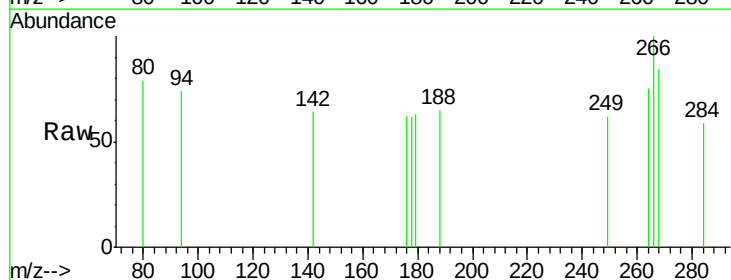
Instrument :
BNA_E
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SSTDCCC001

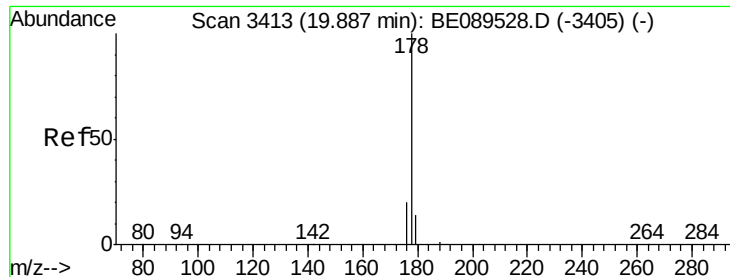
Tgt Ion:188 Resp: 62815
Ion Ratio Lower Upper
188 100
94 13.0 8.4 12.6#
80 14.1 8.6 12.8#



#12
Pentachlorophenol
Concen: 0.64 ng
RT: 19.52 min Scan# 3373
Delta R.T. 0.00 min
Lab File: BE089539.D
Acq: 6 Feb 2015 23:01

Tgt Ion:266 Resp: 50
Ion Ratio Lower Upper
266 100
268 84.0 57.9 86.9
264 75.3 60.2 90.4





#13

Phenanthrene

Concen: 0.96 ng

RT: 19.89 min Scan# 3414

Delta R.T. 0.00 min

Lab File: BE089539.D

Acq: 6 Feb 2015 23:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

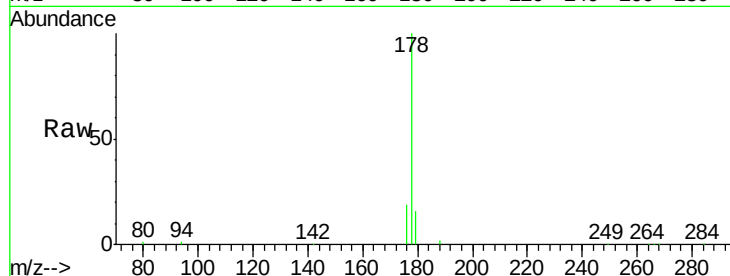
Tgt Ion:178 Resp: 14873

Ion Ratio Lower Upper

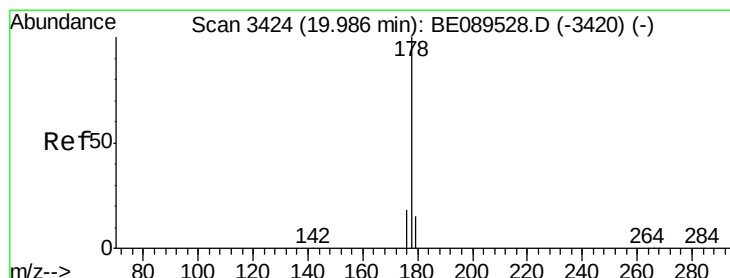
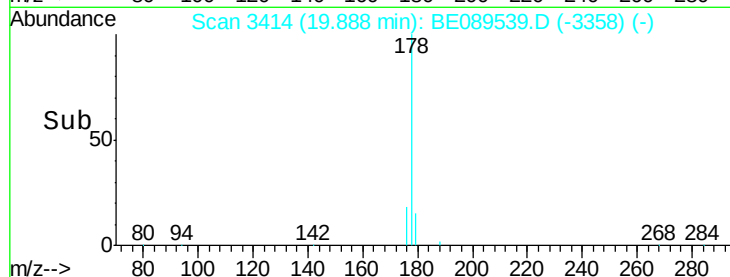
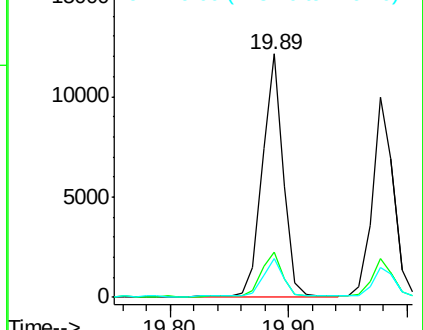
178 100

176 18.7 15.4 23.0

179 15.3 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



#14

Anthracene

Concen: 0.94 ng

RT: 19.98 min Scan# 3424

Delta R.T. -0.01 min

Lab File: BE089539.D

Acq: 6 Feb 2015 23:01

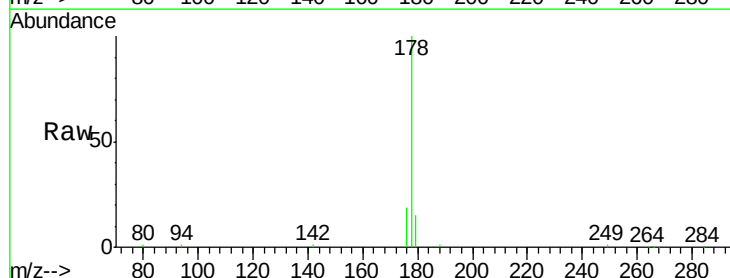
Tgt Ion:178 Resp: 12356

Ion Ratio Lower Upper

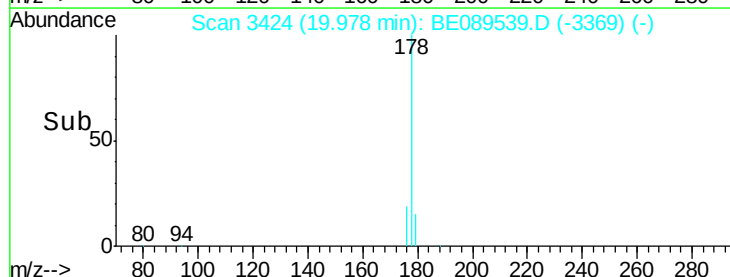
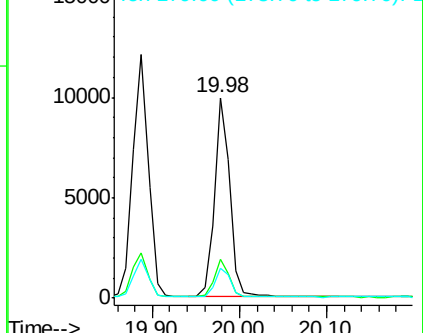
178 100

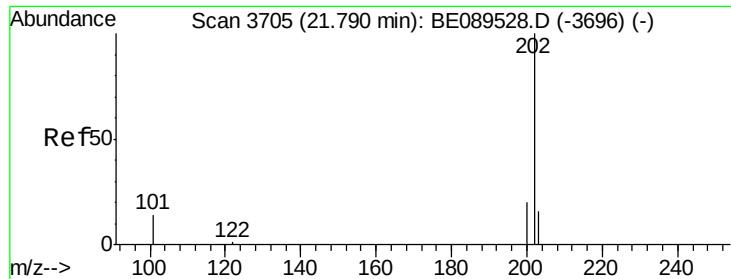
176 18.0 14.5 21.7

179 14.6 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

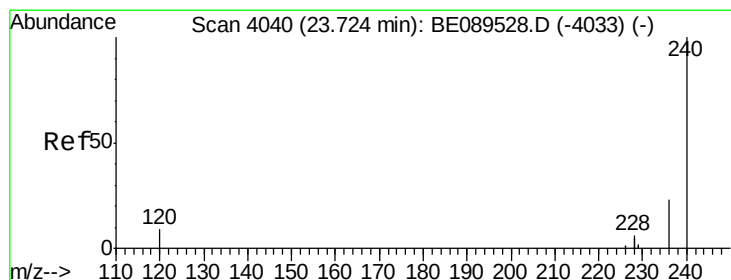
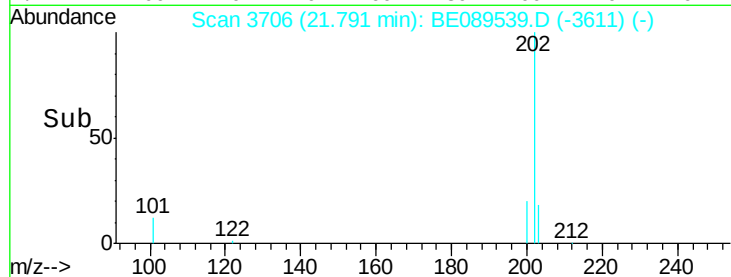
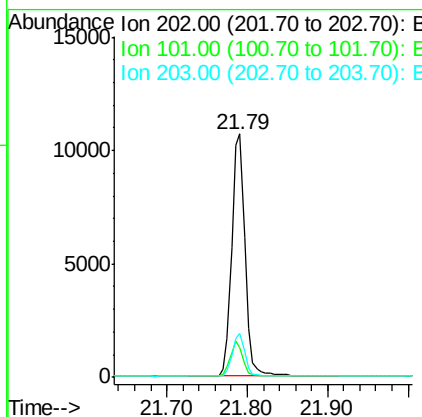
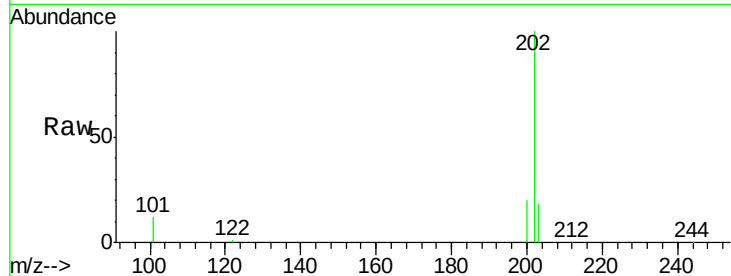




#15
 Fluoranthene
 Concen: 0.85 ng
 RT: 21.79 min Scan# 3706
 Delta R.T. 0.00 min
 Lab File: BE089539.D
 Acq: 6 Feb 2015 23:01

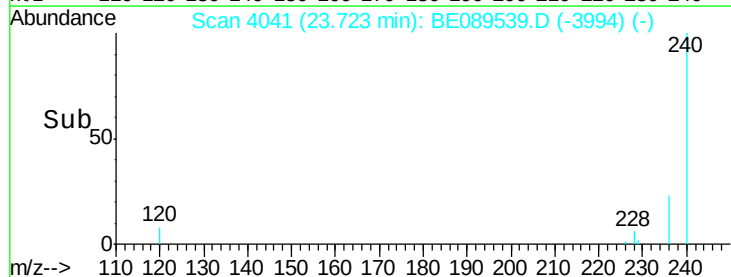
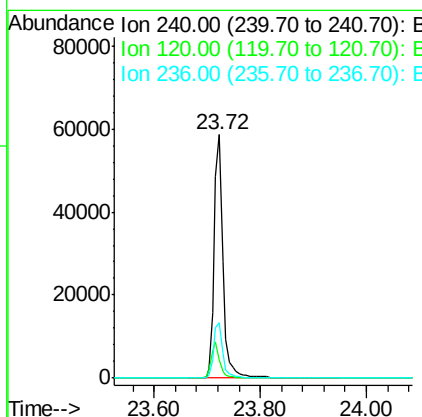
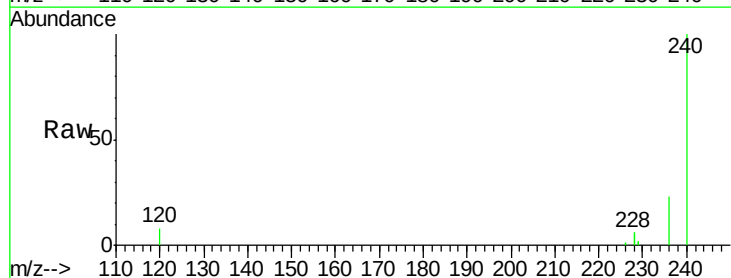
Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

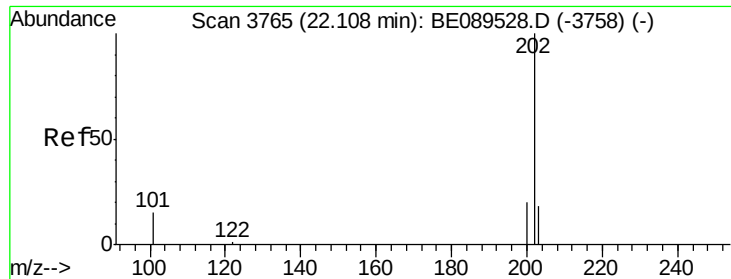
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	11.6	17.4
203	16.9	13.6	20.4



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.72 min Scan# 4041
 Delta R.T. -0.00 min
 Lab File: BE089539.D
 Acq: 6 Feb 2015 23:01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.6	7.2	10.8
236	22.9	18.5	27.7





#17

Pyrene

Concen: 0.91 ng

RT: 22.10 min Scan# 3765

Delta R.T. -0.00 min

Lab File: BE089539.D

Acq: 6 Feb 2015 23:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

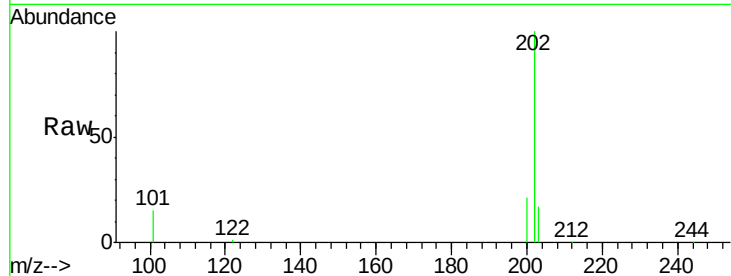
Tgt Ion:202 Resp: 13017

Ion Ratio Lower Upper

202 100

200 20.3 16.3 24.5

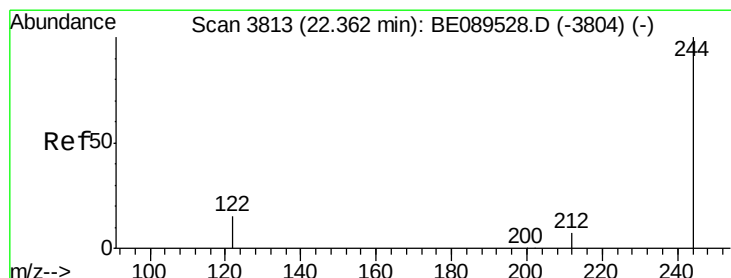
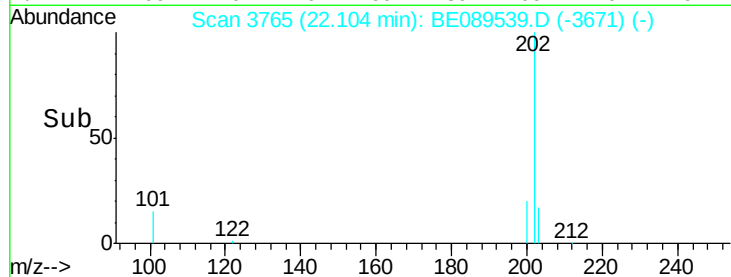
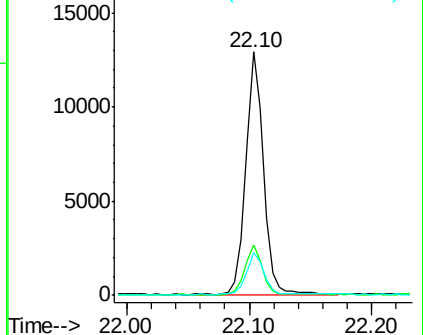
203 17.1 13.5 20.3



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



#18

Terphenyl-d14

Concen: 0.88 ng

RT: 22.36 min Scan# 3814

Delta R.T. 0.00 min

Lab File: BE089539.D

Acq: 6 Feb 2015 23:01

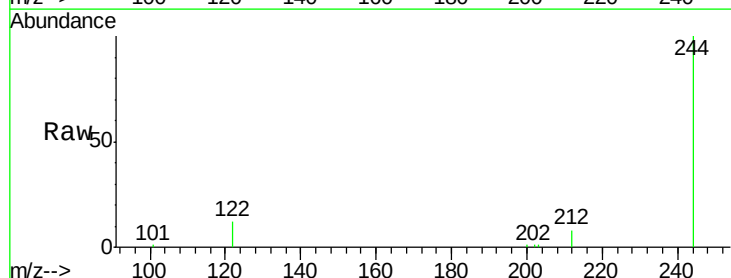
Tgt Ion:244 Resp: 7848

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

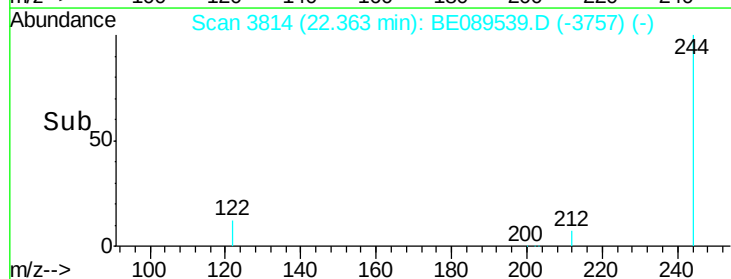
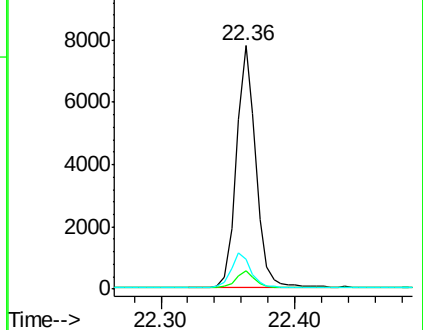
122 12.4 12.6 19.0#

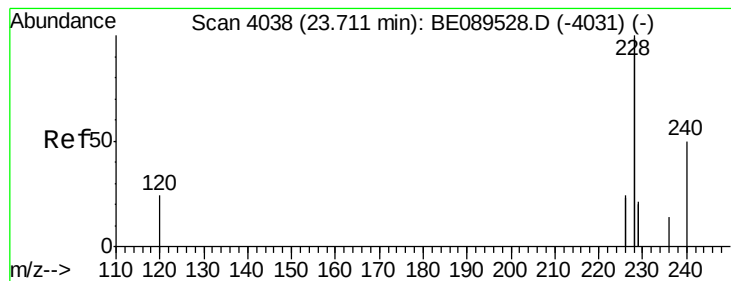


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#19

Benzo(a)anthracene

Concen: 0.85 ng

RT: 23.70 min Scan# 4038

Delta R.T. -0.01 min

Lab File: BE089539.D

Acq: 6 Feb 2015 23:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

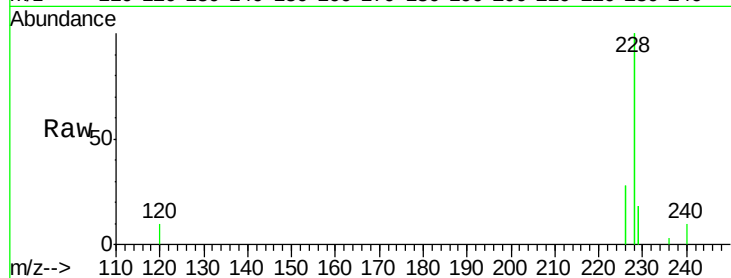
Tgt Ion:228 Resp: 51160

Ion Ratio Lower Upper

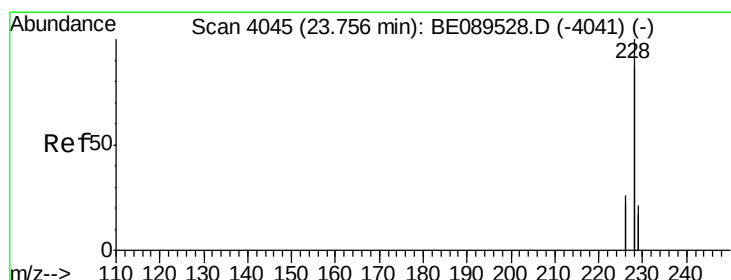
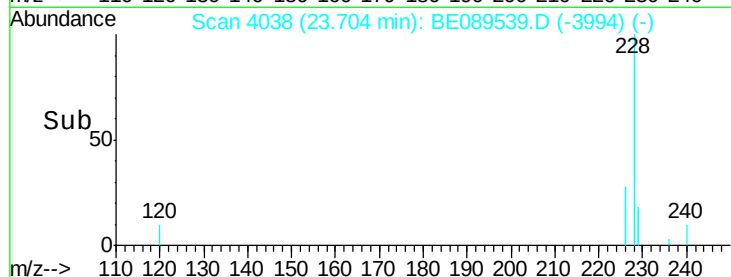
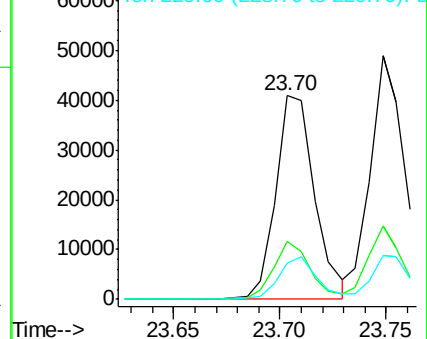
228 100

226 28.3 19.0 28.4

229 17.9 16.8 25.2



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: 1.00 ng

RT: 23.75 min Scan# 4045

Delta R.T. -0.01 min

Lab File: BE089539.D

Acq: 6 Feb 2015 23:01

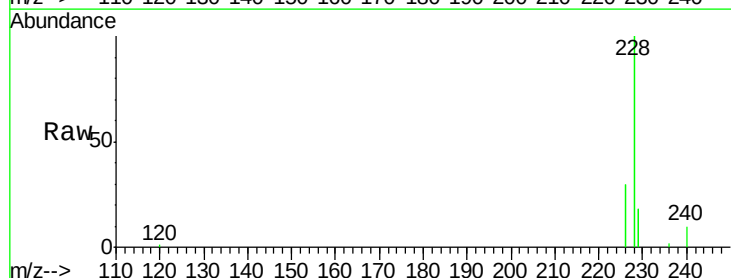
Tgt Ion:228 Resp: 61075

Ion Ratio Lower Upper

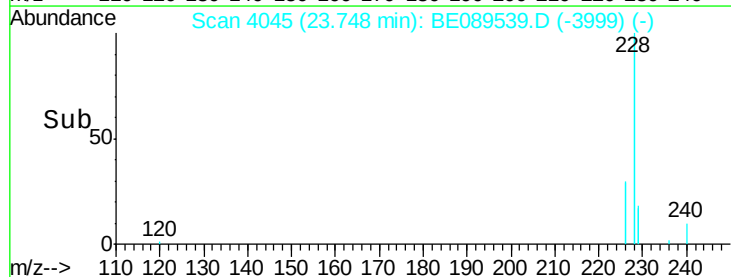
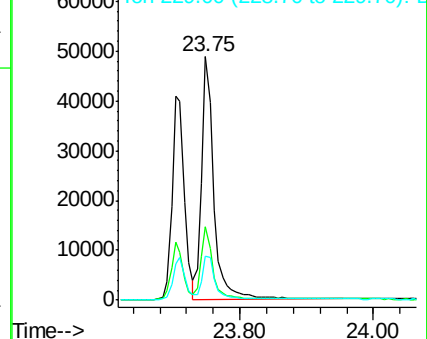
228 100

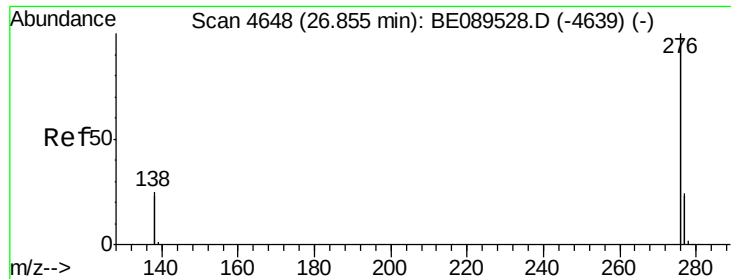
226 30.2 21.0 31.4

229 18.0 16.7 25.1



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

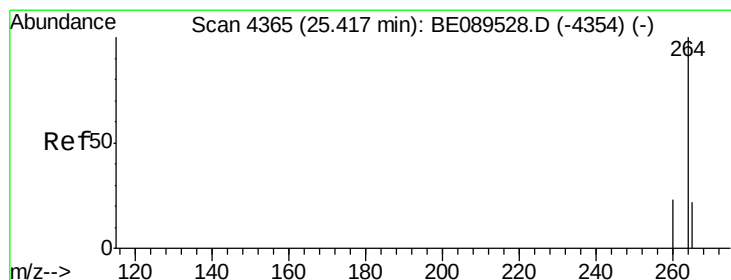
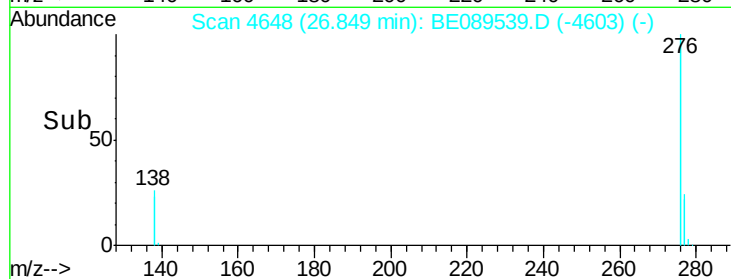
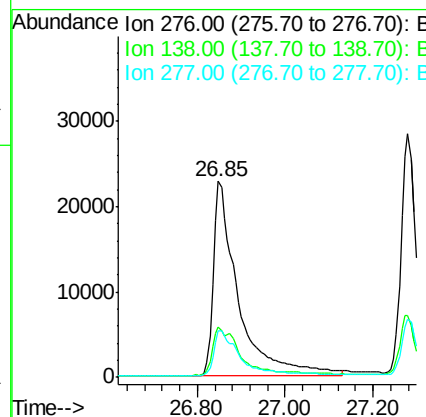
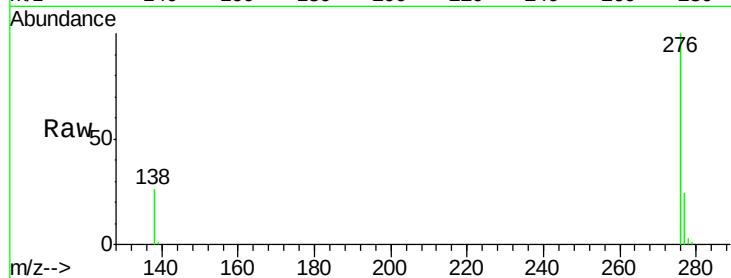




#21
 Indeno(1,2,3-cd)pyrene
 Concen: 1.05 ng
 RT: 26.85 min Scan# 4648
 Delta R.T. -0.01 min
 Lab File: BE089539.D
 Acq: 6 Feb 2015 23:01

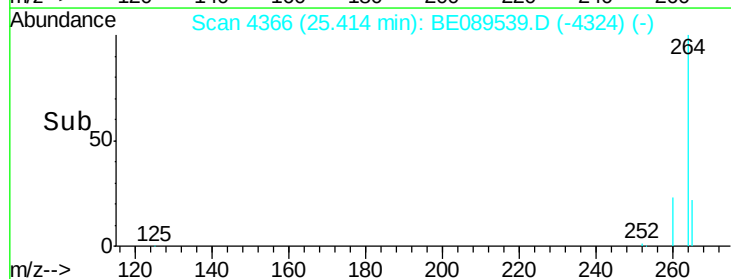
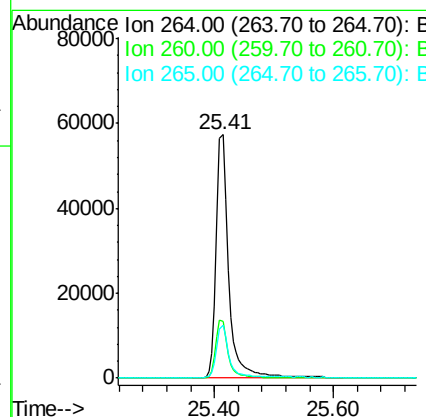
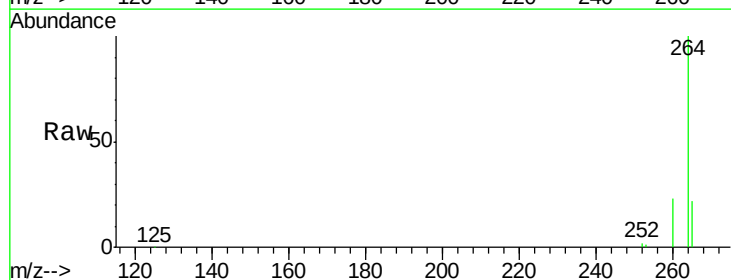
Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

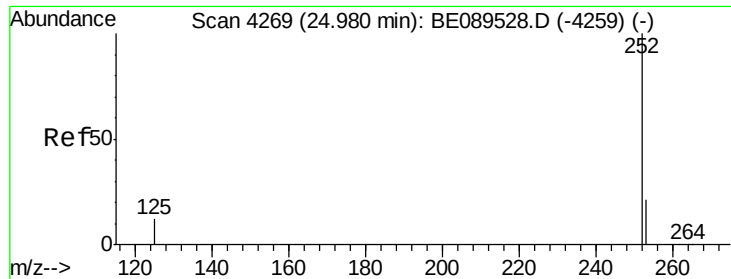
Tgt Ion: 276 Resp: 89359
 Ion Ratio Lower Upper
 276 100
 138 27.9 23.0 34.4
 277 24.9 19.9 29.9



#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.41 min Scan# 4366
 Delta R.T. -0.00 min
 Lab File: BE089539.D
 Acq: 6 Feb 2015 23:01

Tgt Ion: 264 Resp: 82426
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.7 28.1
 265 22.0 17.5 26.3





#23

Benzo(b)fluoranthene

Concen: 0.78 ng

RT: 24.98 min Scan# 4270

Delta R.T. -0.00 min

Lab File: BE089539.D

Acq: 6 Feb 2015 23:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

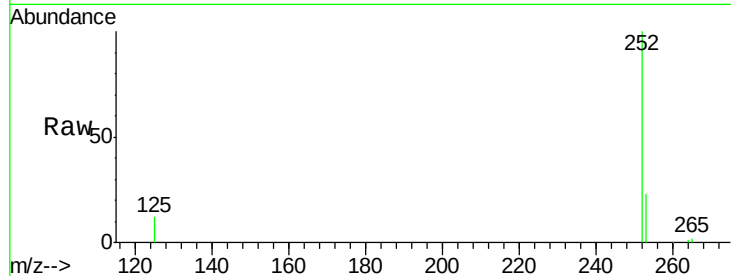
Tgt Ion:252 Resp: 12405

Ion Ratio Lower Upper

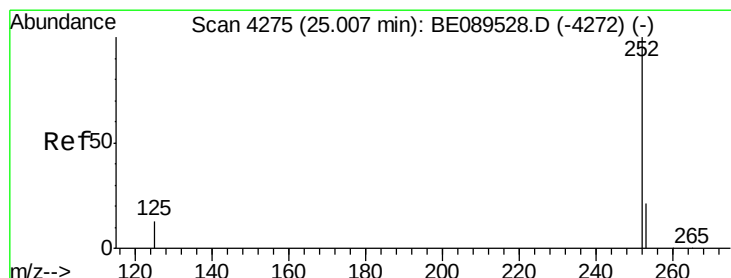
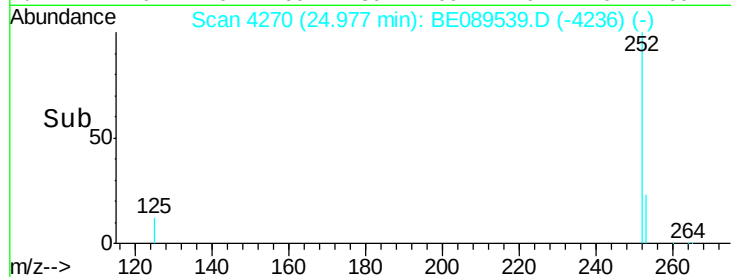
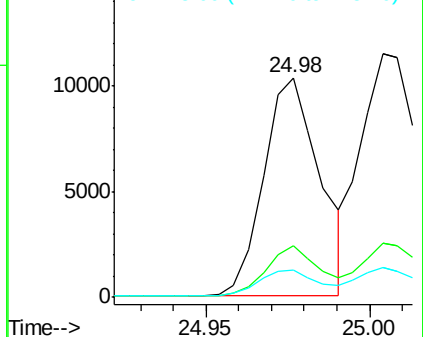
252 100

253 23.2 17.4 26.0

125 12.3 10.4 15.6



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(k)fluoranthene

Concen: 0.98 ng

RT: 25.00 min Scan# 4276

Delta R.T. -0.00 min

Lab File: BE089539.D

Acq: 6 Feb 2015 23:01

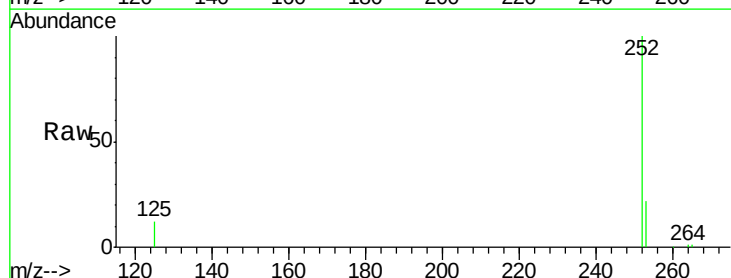
Tgt Ion:252 Resp: 19407

Ion Ratio Lower Upper

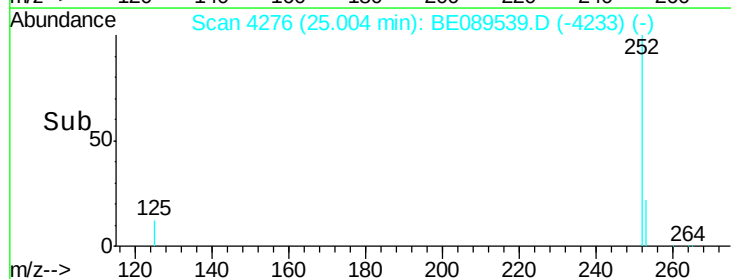
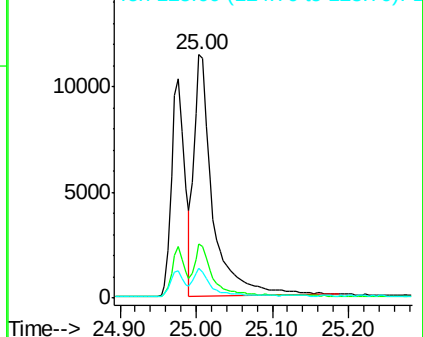
252 100

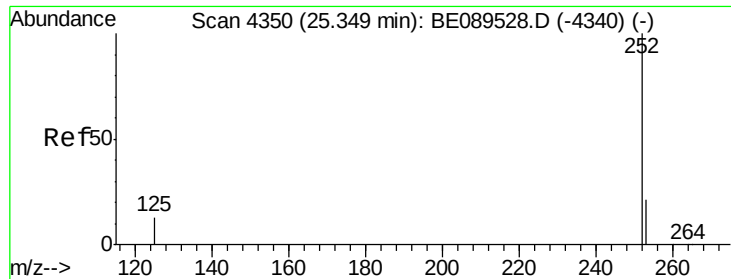
253 22.3 17.2 25.8

125 12.5 10.6 15.8



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

Benzo(a)pyrene

Concen: 0.84 ng

RT: 25.35 min Scan# 4351

Delta R.T. -0.00 min

Lab File: BE089539.D

Acq: 6 Feb 2015 23:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

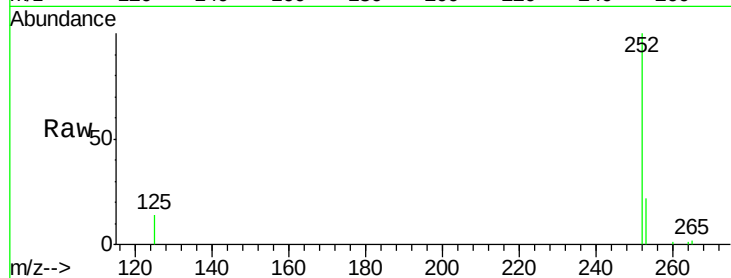
Tgt Ion:252 Resp: 13392

Ion Ratio Lower Upper

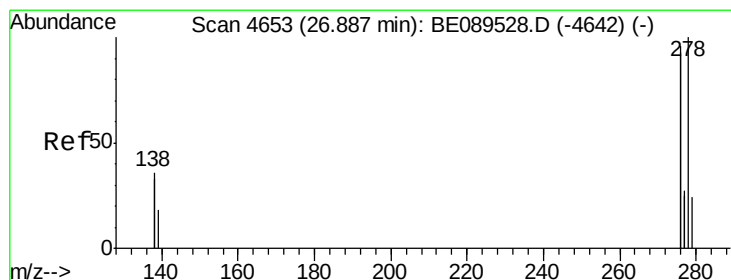
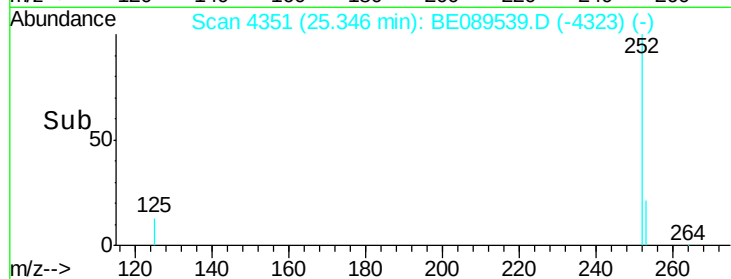
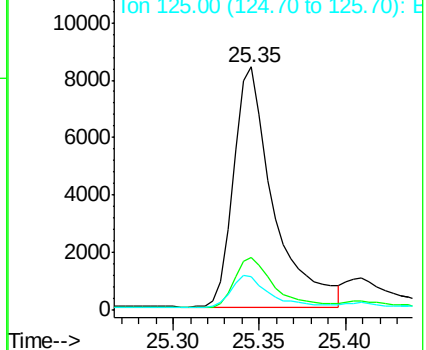
252 100

253 21.8 17.8 26.6

125 14.0 11.4 17.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#26

Dibenzo(a,h)anthracene

Concen: 0.93 ng

RT: 26.88 min Scan# 4653

Delta R.T. -0.01 min

Lab File: BE089539.D

Acq: 6 Feb 2015 23:01

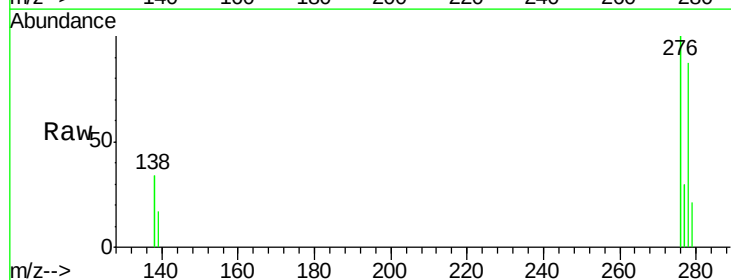
Tgt Ion:278 Resp: 18249

Ion Ratio Lower Upper

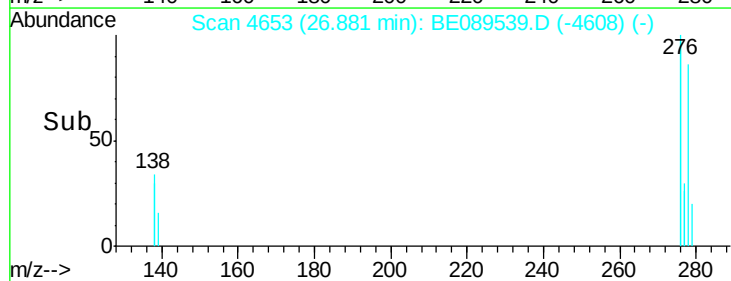
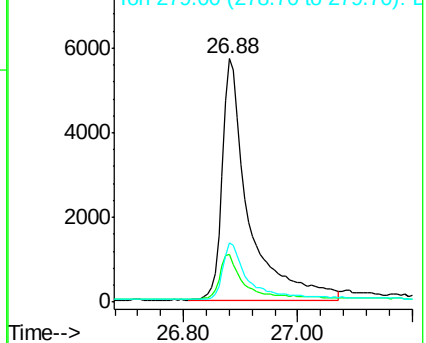
278 100

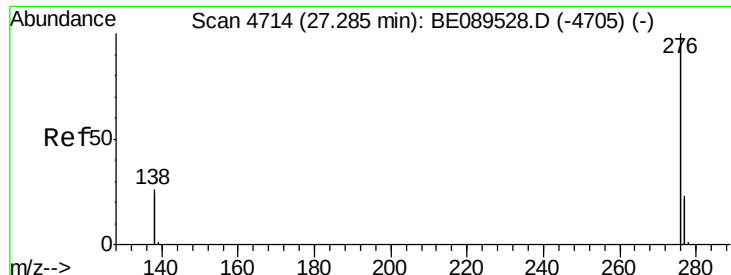
139 19.8 15.7 23.5

279 24.4 19.5 29.3



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

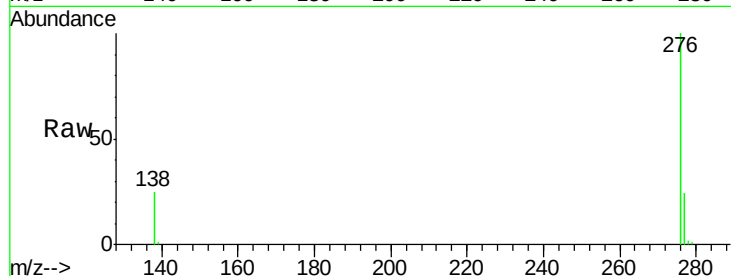




#27
 Benzo(g,h,i)perylene
 Concen: 1.01 ng
 RT: 27.28 min Scan# 4714
 Delta R.T. -0.01 min
 Lab File: BE089539.D
 Acq: 6 Feb 2015 23:01

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Tgt Ion: 276 Resp: 80803
 Ion Ratio Lower Upper
 276 100
 277 23.9 18.6 27.8
 138 25.2 20.9 31.3



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

