

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013015\
 Data File : BE089433.D
 Acq On : 30 Jan 2015 5:32
 Operator : TP/IZ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Quant Time: Jan 31 05:08:17 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE013015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 31 04:33:09 2015
 Response via : Initial Calibration

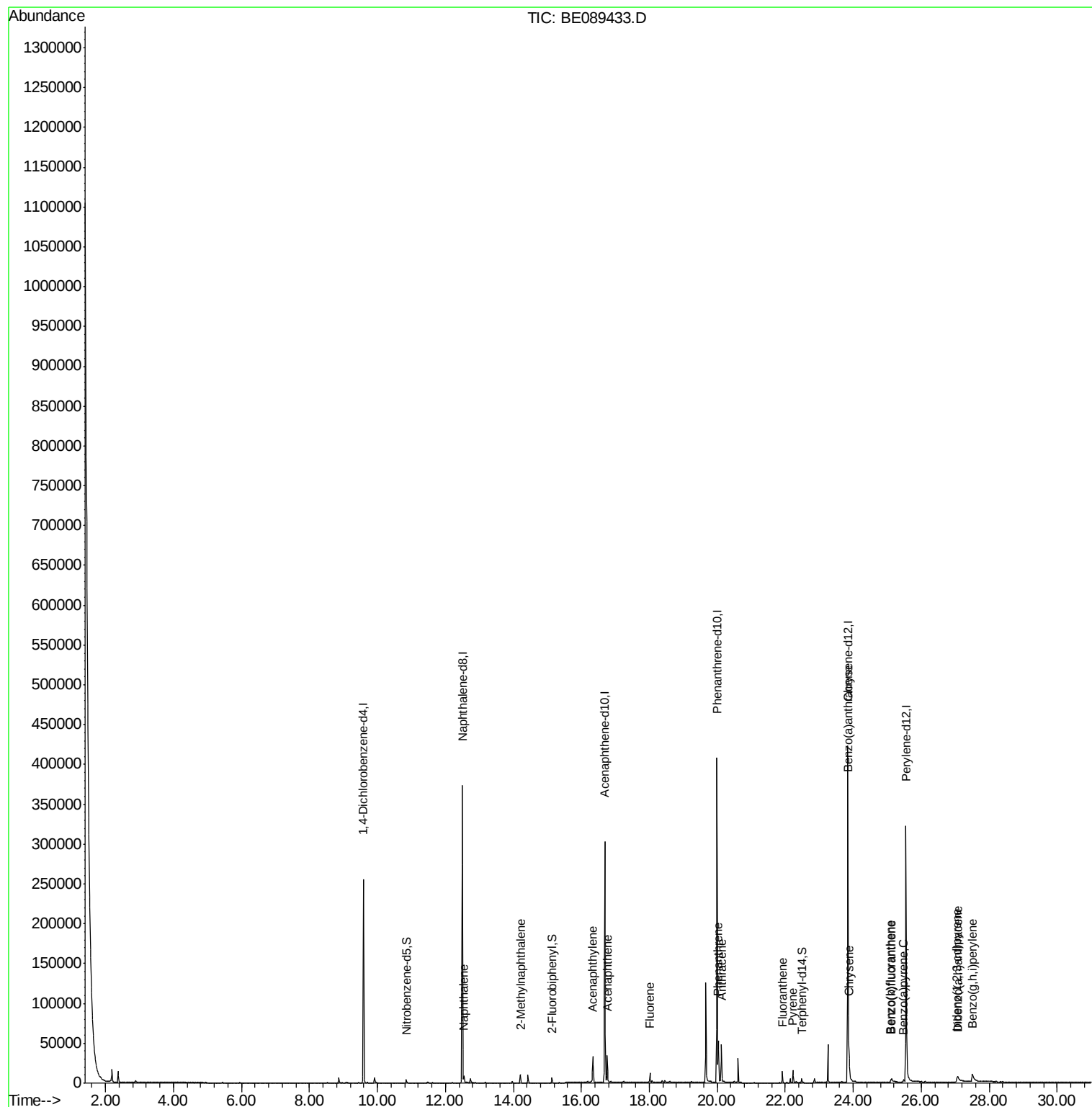
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.59	152	102343	5.00	ng	0.00
2) Naphthalene-d8	12.50	136	414477	5.00	ng	0.00
6) Acenaphthene-d10	16.69	164	187884	5.00	ng	0.00
11) Phenanthrene-d10	19.99	188	385575	5.00	ng	0.00
16) Chrysene-d12	23.84	240	332855	5.00	ng	0.00
22) Perylene-d12	25.56	264	314017	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.85	82	3160	0.15	ng	0.00
7) 2-Fluorobiphenyl	15.14	172	5572	0.13	ng	0.00
18) Terphenyl-d14	22.49	244	6232	0.14	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	12.55	128	11174	0.14	ng	98
5) 2-Methylnaphthalene	14.21	142	6625	0.13	ng	94
8) Acenaphthylene	16.34	152	40599	0.15	ng	99
9) Acenaphthene	16.76	154	6319	0.15	ng	95
10) Fluorene	18.02	166	7120	0.16	ng	100
13) Phenanthrene	20.03	178	47413	0.14	ng	99
14) Anthracene	20.12	178	40832	0.14	ng	100
15) Fluoranthene	21.91	202	10428	0.16	ng	100
17) Pyrene	22.23	202	11535	0.14	ng	100
19) Benzo(a)anthracene	23.83	228	35497	0.16	ng	96
20) Chrysene	23.88	228	39092	0.14	ng	93
21) Indeno(1,2,3-cd)pyrene	27.06	276	22951	0.15	ng	93
23) Benzo(b)fluoranthene	25.10	252	3515	0.10	ng	# 85
24) Benzo(k)fluoranthene	25.13	252	7650	0.12	ng	# 90
25) Benzo(a)pyrene	25.49	252	4255	0.11	ng	# 81
26) Dibenzo(a,h)anthracene	27.09	278	3850	0.12	ng	# 87
27) Benzo(g,h,i)perylene	27.51	276	25561	0.14	ng	# 89

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.59 min Scan# 1796

Delta R.T. 0.00 min

Lab File: BE089433.D

Acq: 30 Jan 2015 5:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

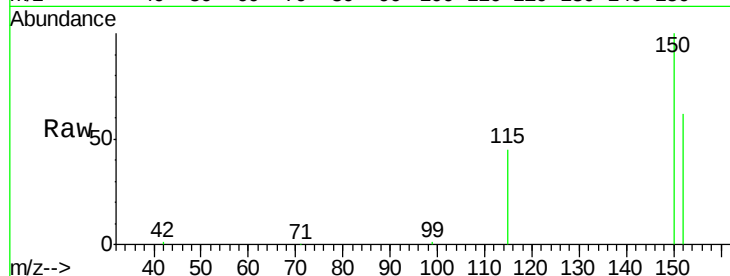
Tgt Ion:152 Resp: 102343

Ion Ratio Lower Upper

152 100

150 160.3 127.2 190.8

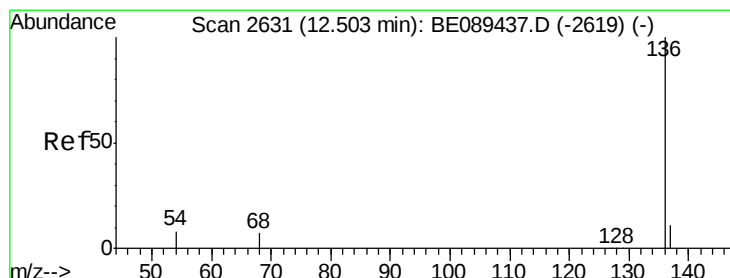
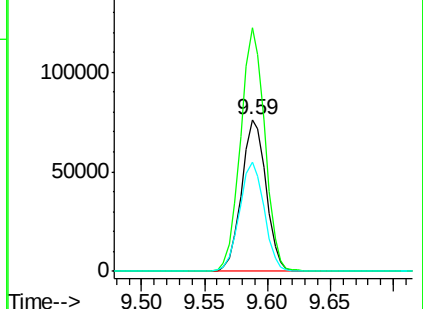
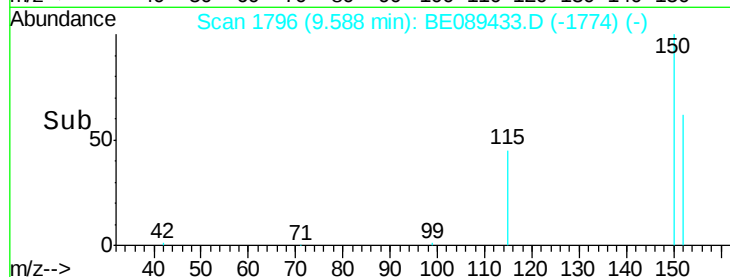
115 72.0 57.5 86.3



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: 12.50 min Scan# 2632

Delta R.T. 0.00 min

Lab File: BE089433.D

Acq: 30 Jan 2015 5:32

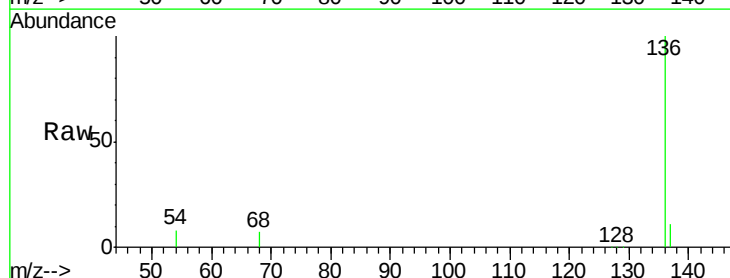
Tgt Ion:136 Resp: 414477

Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

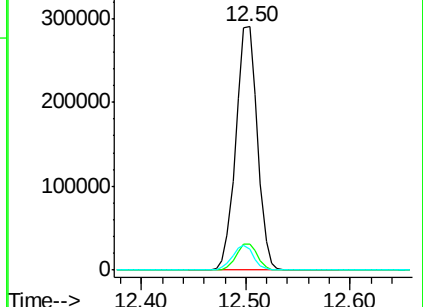
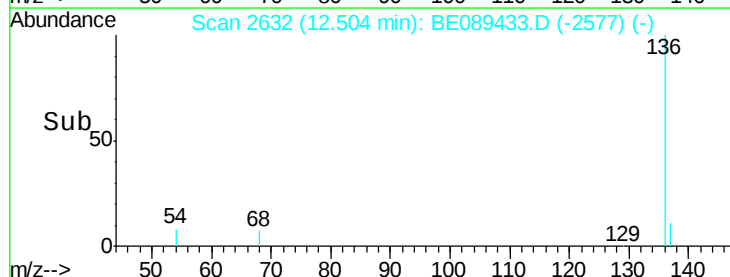
54 8.3 6.6 10.0

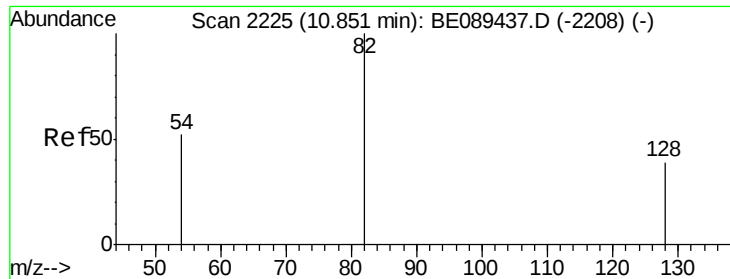


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 0.15 ng

RT: 10.85 min Scan# 2227

Delta R.T. 0.00 min

Lab File: BE089433.D

Acq: 30 Jan 2015 5:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

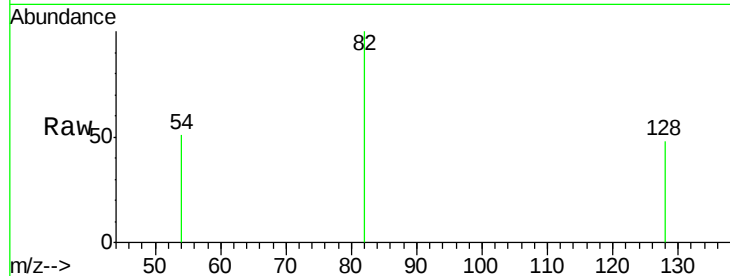
Tgt Ion: 82 Resp: 3160

Ion Ratio Lower Upper

82 100

128 47.5 31.2 46.8#

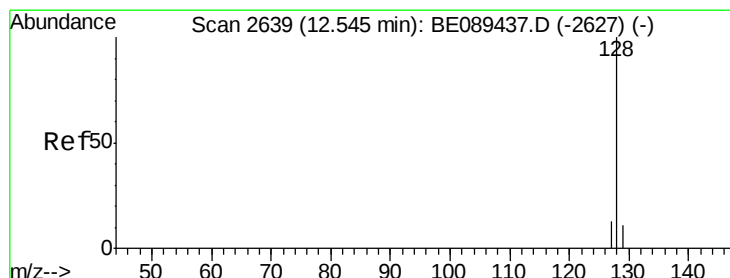
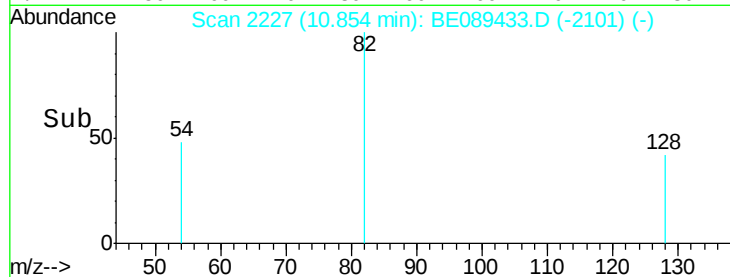
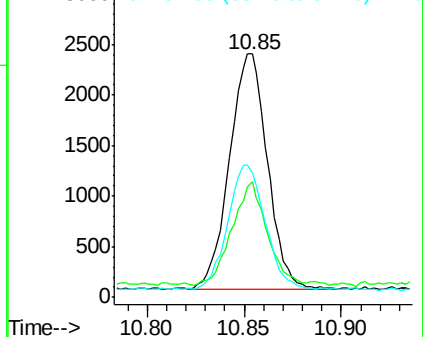
54 51.3 41.9 62.9



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: 0.14 ng

RT: 12.55 min Scan# 2640

Delta R.T. 0.00 min

Lab File: BE089433.D

Acq: 30 Jan 2015 5:32

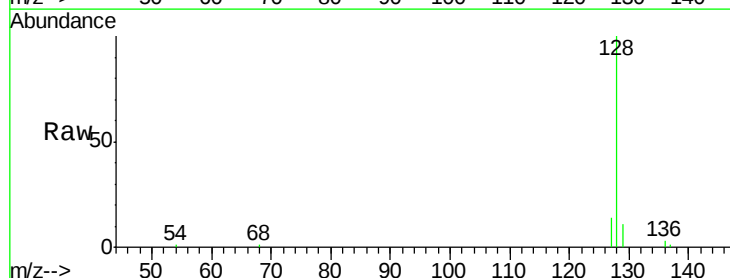
Tgt Ion: 128 Resp: 11174

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

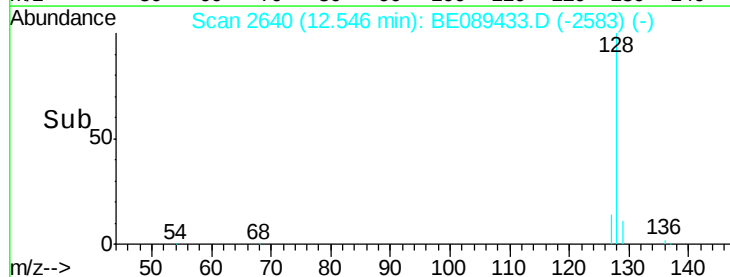
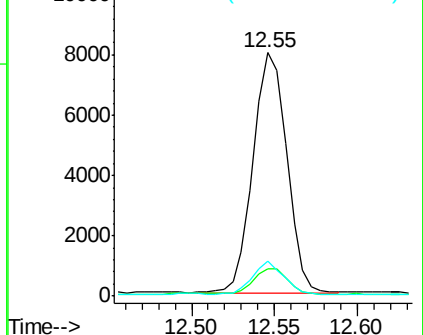
127 14.3 10.6 16.0



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: 0.13 ng

RT: 14.21 min Scan# 2978

Delta R.T. -0.00 min

Lab File: BE089433.D

Acq: 30 Jan 2015 5:32

Instrument :

BNA_E

LabSampleId :

SSTDICC0.1

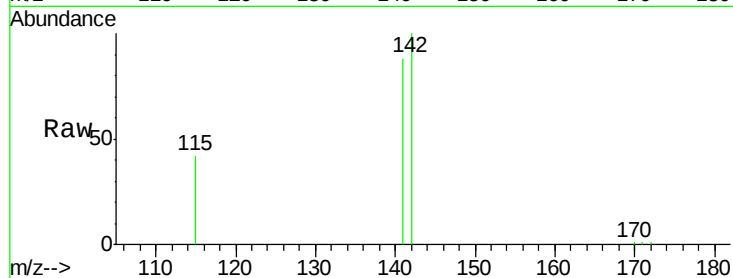
Tgt Ion:142 Resp: 6625

Ion Ratio Lower Upper

142 100

141 87.8 66.1 99.1

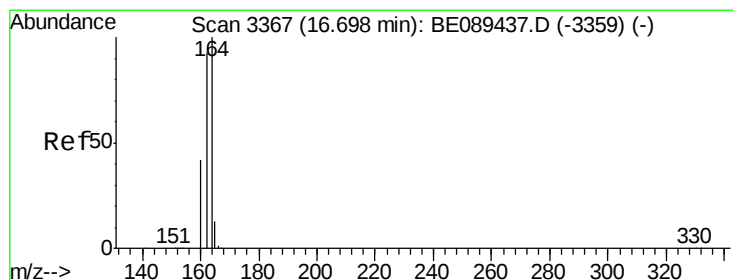
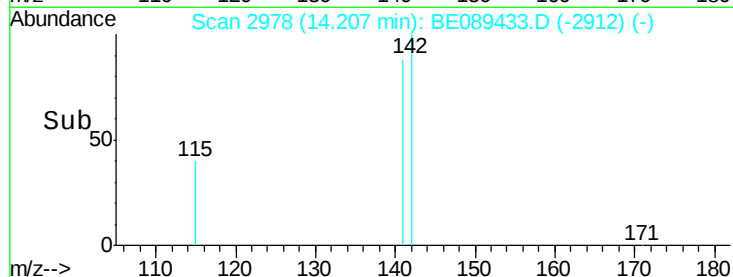
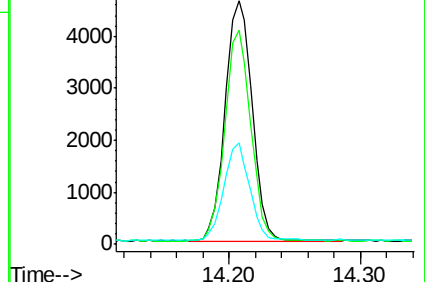
115 41.7 29.9 44.9



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: 16.69 min Scan# 3367

Delta R.T. -0.01 min

Lab File: BE089433.D

Acq: 30 Jan 2015 5:32

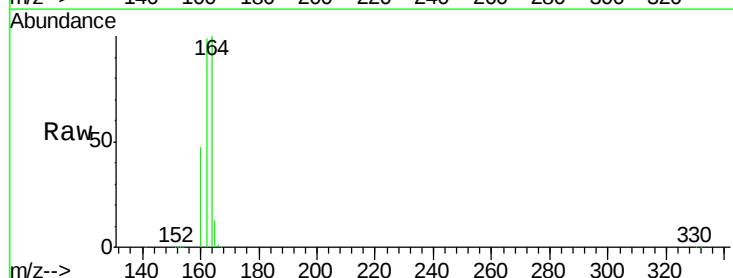
Tgt Ion:164 Resp: 187884

Ion Ratio Lower Upper

164 100

162 99.2 74.7 112.1

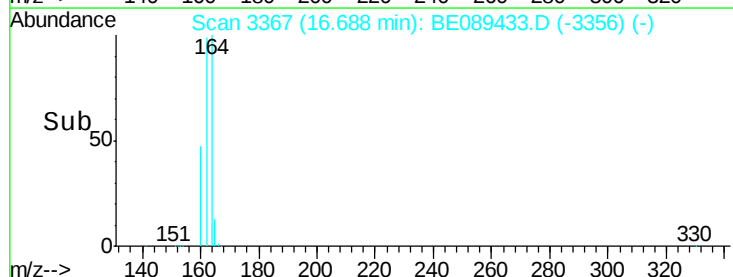
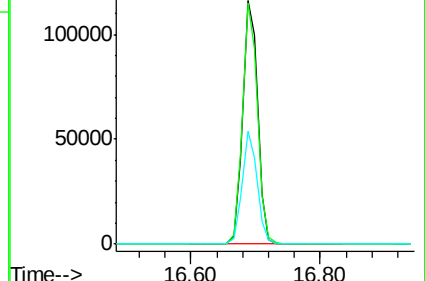
160 46.6 33.4 50.0



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: 0.13 ng

RT: 15.14 min Scan# 3182

Delta R.T. -0.00 min

Lab File: BE089433.D

Acq: 30 Jan 2015 5:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

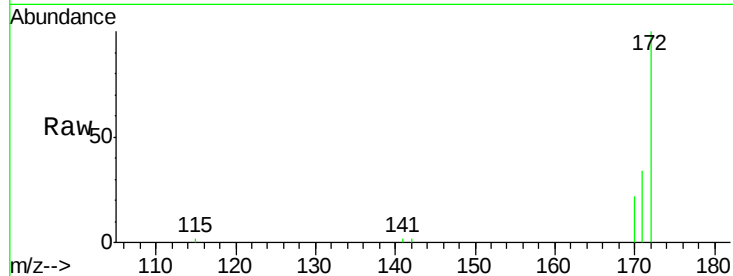
Tgt Ion:172 Resp: 5572

Ion Ratio Lower Upper

172 100

171 33.7 26.2 39.4

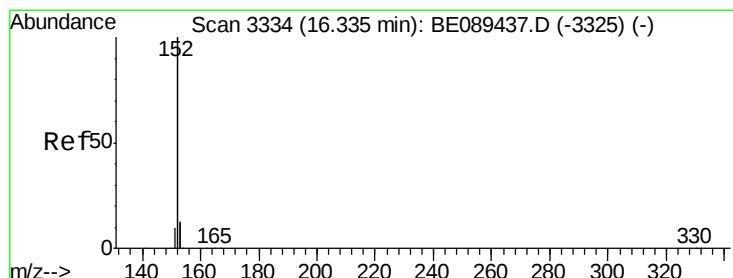
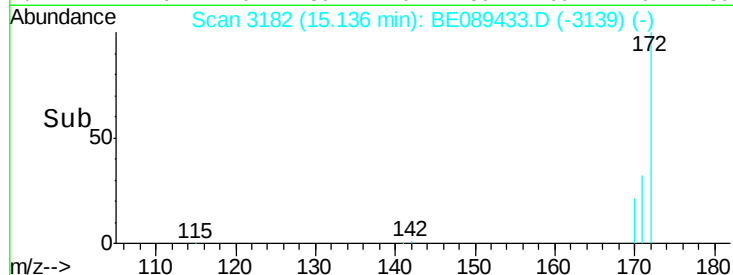
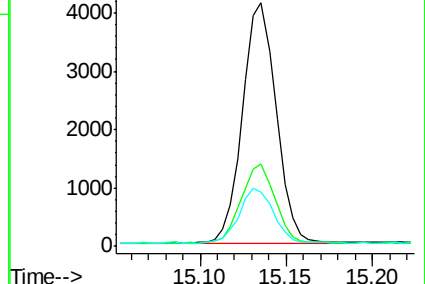
170 22.3 16.5 24.7



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: 0.15 ng

RT: 16.34 min Scan# 3335

Delta R.T. 0.00 min

Lab File: BE089433.D

Acq: 30 Jan 2015 5:32

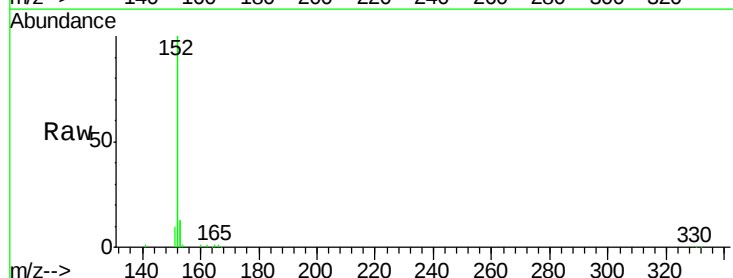
Tgt Ion:152 Resp: 40599

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

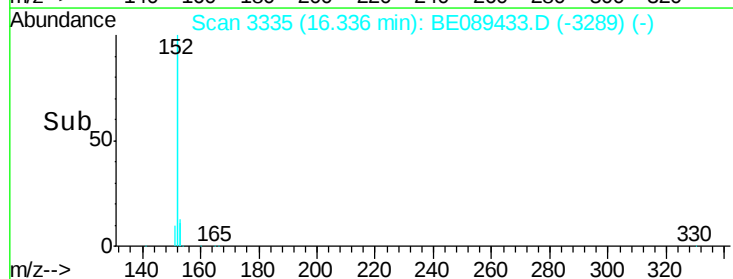
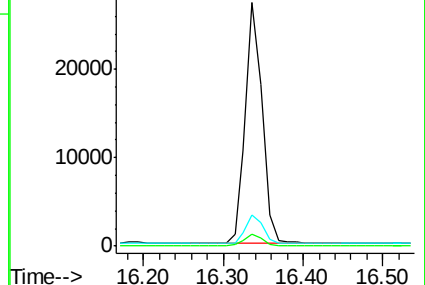
153 12.5 10.3 15.5



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: 0.15 ng

RT: 16.76 min Scan# 3374

Delta R.T. 0.00 min

Lab File: BE089433.D

Acq: 30 Jan 2015 5:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

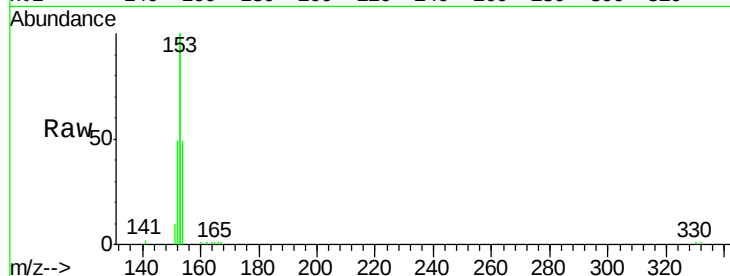
Tgt Ion:154 Resp: 6319

Ion Ratio Lower Upper

154 100

153 435.8 342.3 513.5

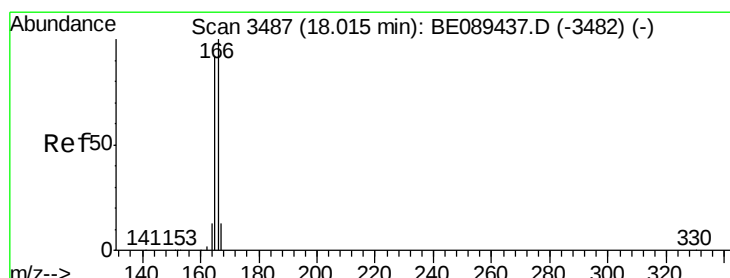
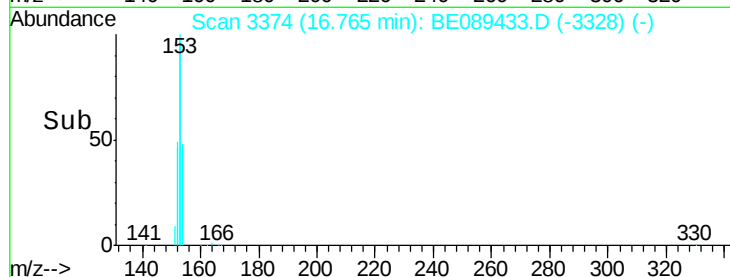
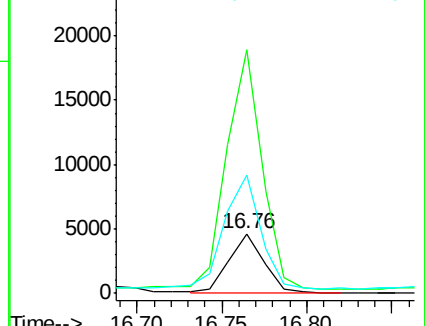
152 222.2 165.5 248.3



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: 0.16 ng

RT: 18.02 min Scan# 3488

Delta R.T. 0.00 min

Lab File: BE089433.D

Acq: 30 Jan 2015 5:32

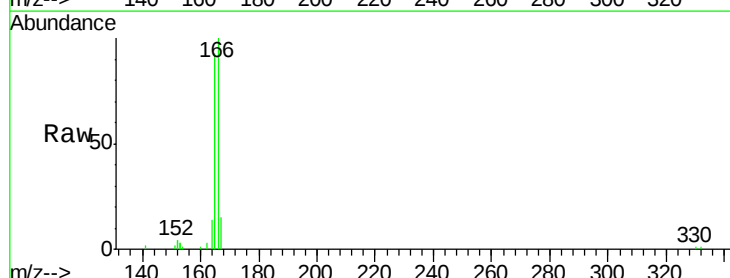
Tgt Ion:166 Resp: 7120

Ion Ratio Lower Upper

166 100

165 93.3 74.4 111.6

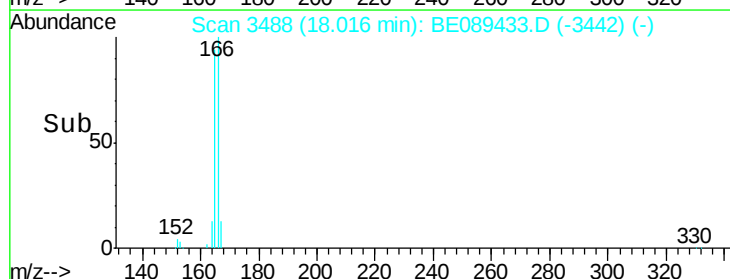
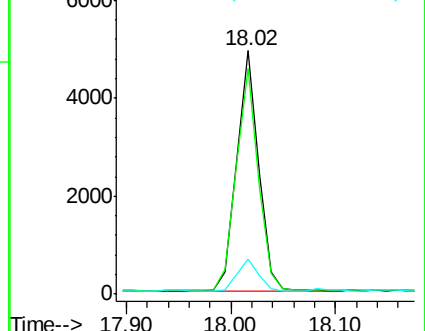
167 13.4 10.6 15.8

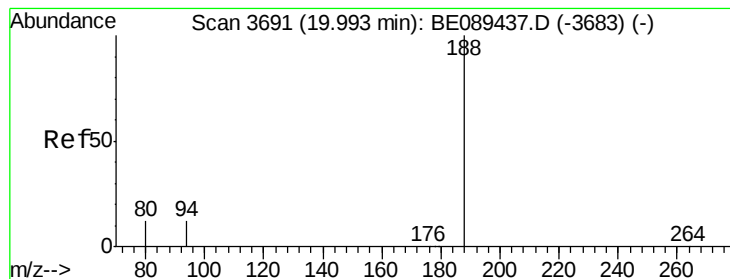


Abundance Ion 166.00 (165.70 to 166.70): E

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: 19.99 min Scan# 3692

Delta R.T. 0.00 min

Lab File: BE089433.D

Acq: 30 Jan 2015 5:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

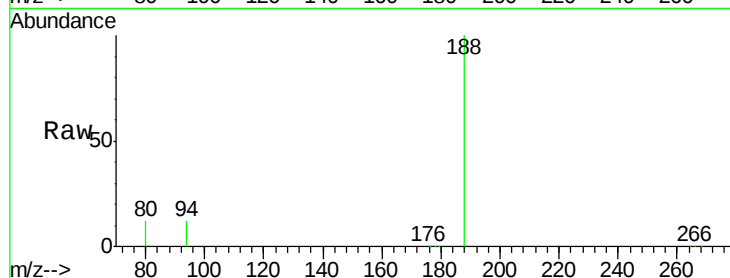
Tgt Ion:188 Resp: 385575

Ion Ratio Lower Upper

188 100

94 12.2 9.4 14.0

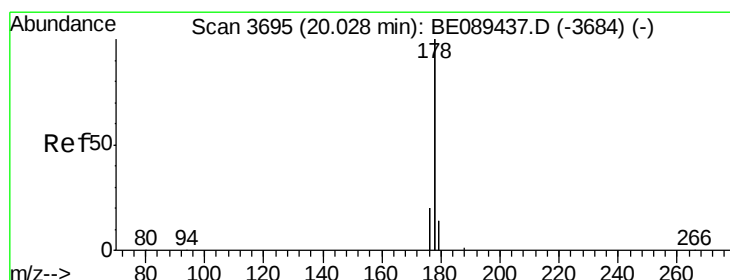
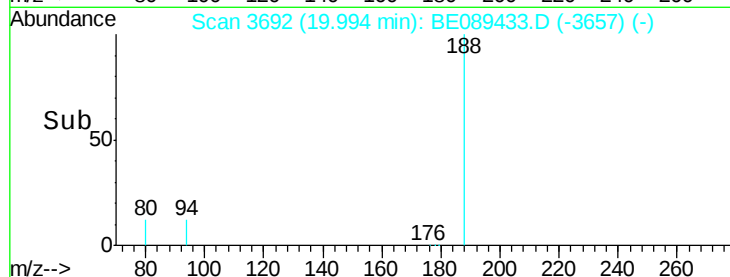
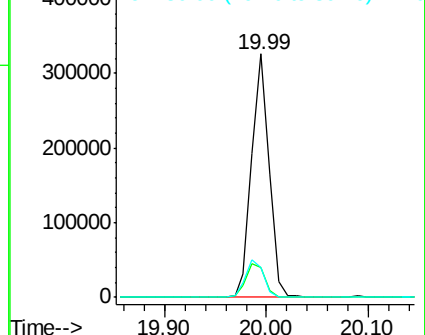
80 12.1 9.3 13.9



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: 0.14 ng

RT: 20.03 min Scan# 3696

Delta R.T. 0.00 min

Lab File: BE089433.D

Acq: 30 Jan 2015 5:32

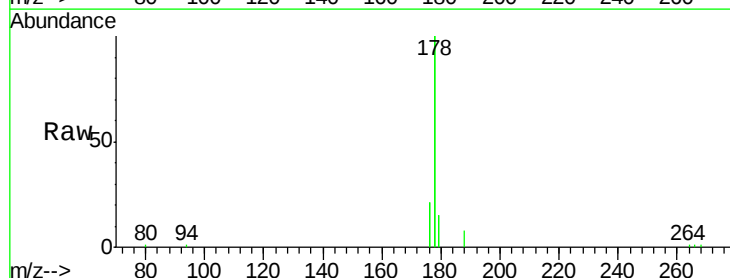
Tgt Ion:178 Resp: 47413

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

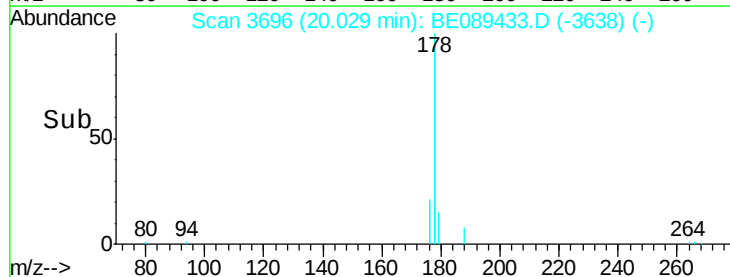
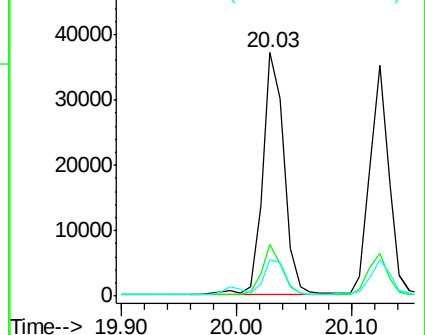
179 14.6 12.3 18.5

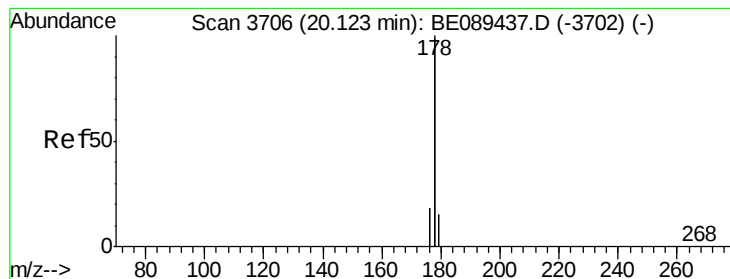


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#14

Anthracene

Concen: 0.14 ng

RT: 20.12 min Scan# 3707

Delta R.T. 0.00 min

Lab File: BE089433.D

Acq: 30 Jan 2015 5:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

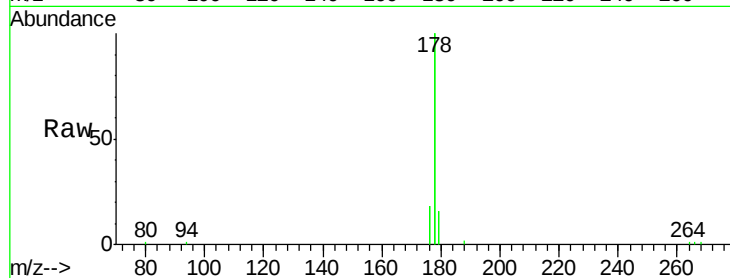
Tgt Ion:178 Resp: 40832

Ion Ratio Lower Upper

178 100

176 18.0 14.6 22.0

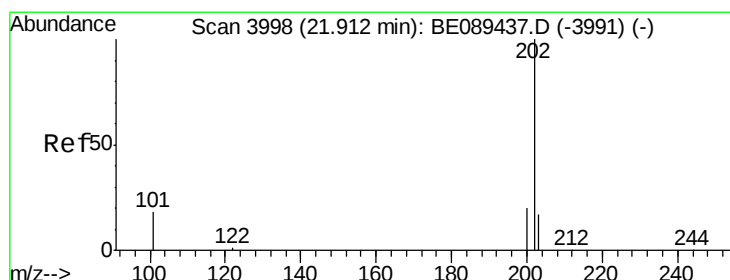
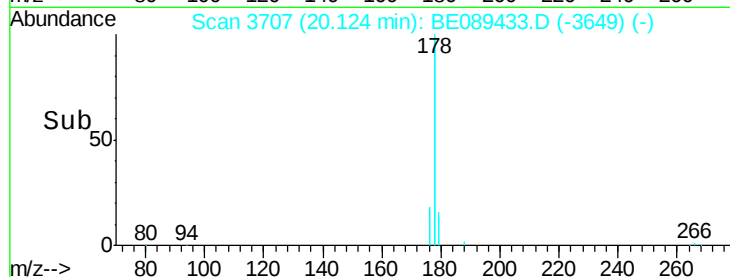
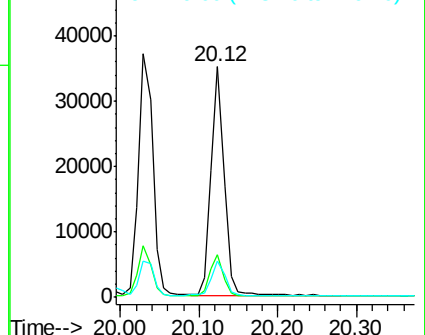
179 15.2 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#15

Fluoranthene

Concen: 0.16 ng

RT: 21.91 min Scan# 3999

Delta R.T. 0.00 min

Lab File: BE089433.D

Acq: 30 Jan 2015 5:32

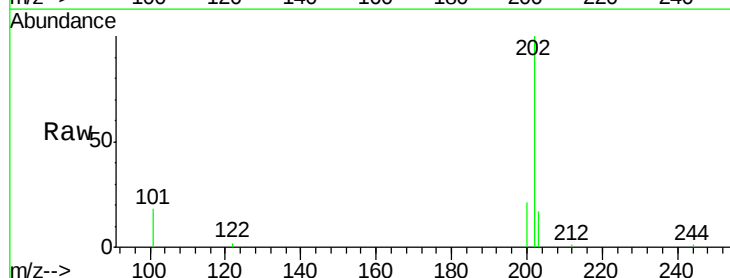
Tgt Ion:202 Resp: 10428

Ion Ratio Lower Upper

202 100

101 17.1 13.6 20.4

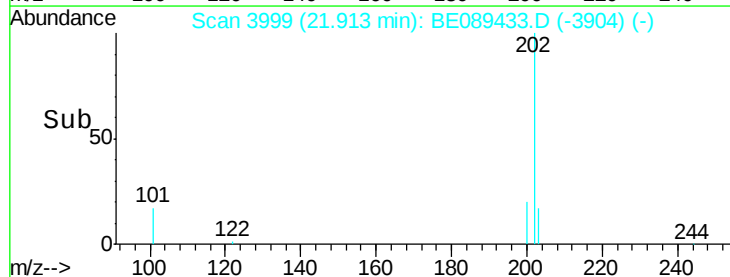
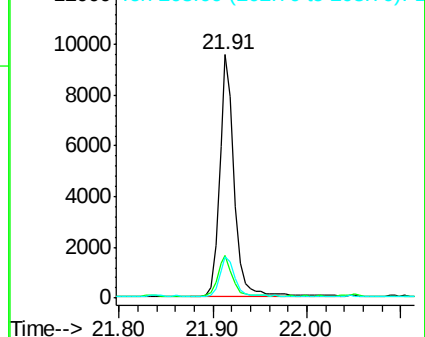
203 17.1 13.8 20.6

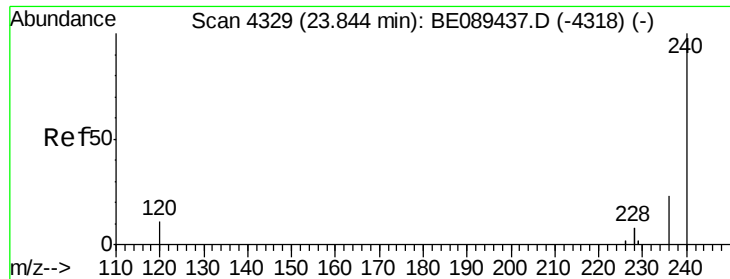


Abundance Ion 202.00 (201.70 to 202.70): E

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: 23.84 min Scan# 4330

Delta R.T. 0.00 min

Lab File: BE089433.D

Acq: 30 Jan 2015 5:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

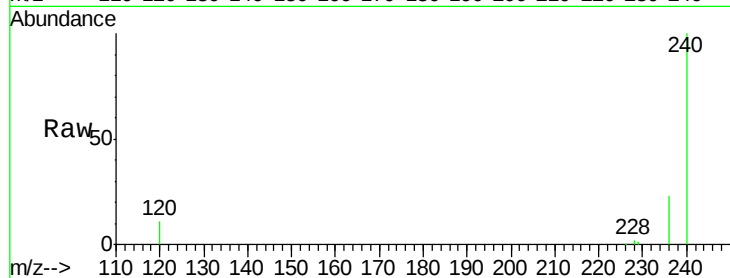
Tgt Ion:240 Resp: 332855

Ion Ratio Lower Upper

240 100

120 10.6 8.6 13.0

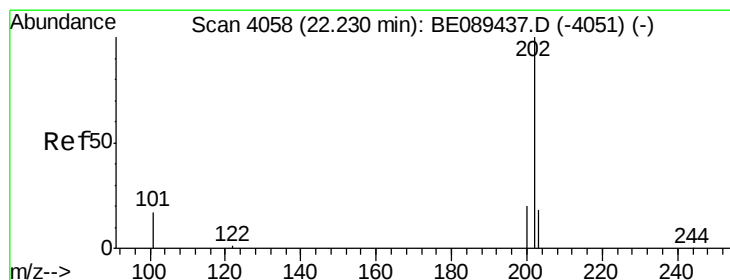
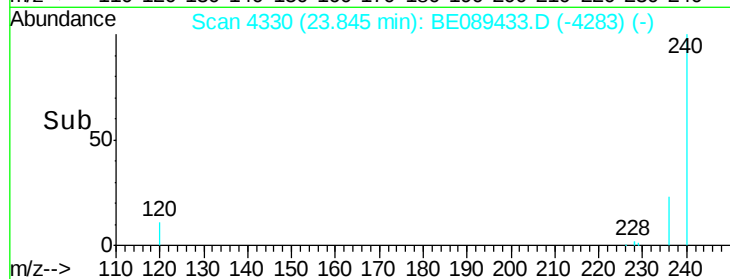
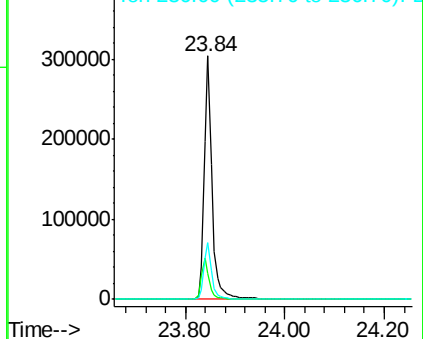
236 23.4 18.7 28.1



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



#17

Pyrene

Concen: 0.14 ng

RT: 22.23 min Scan# 4059

Delta R.T. 0.00 min

Lab File: BE089433.D

Acq: 30 Jan 2015 5:32

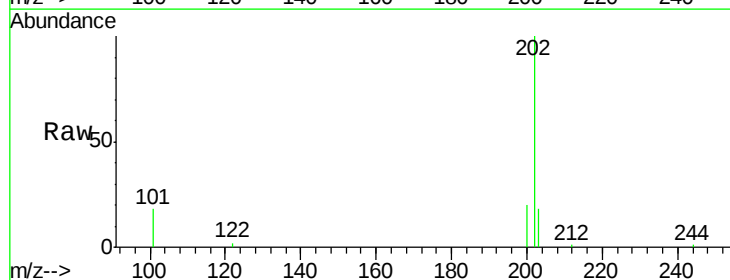
Tgt Ion:202 Resp: 11535

Ion Ratio Lower Upper

202 100

200 20.4 16.2 24.4

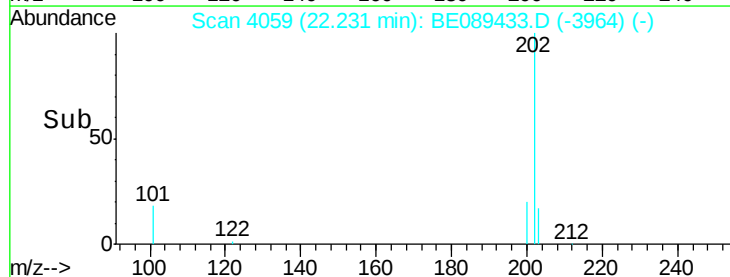
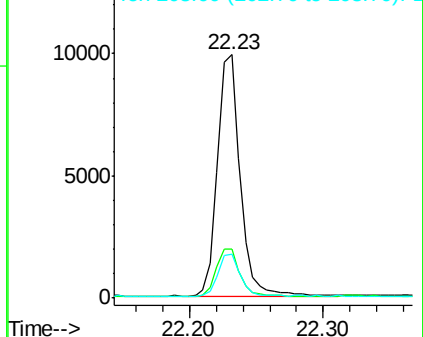
203 17.4 13.8 20.8

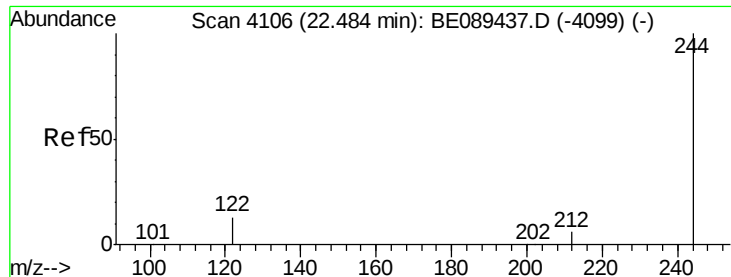


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

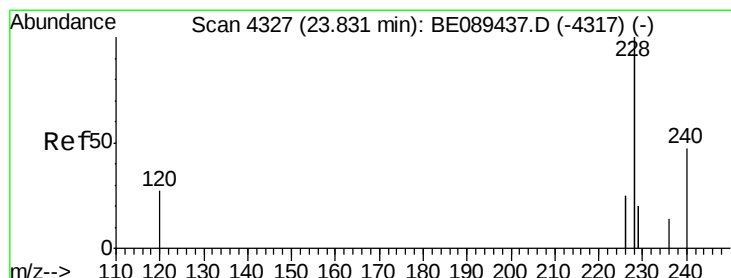
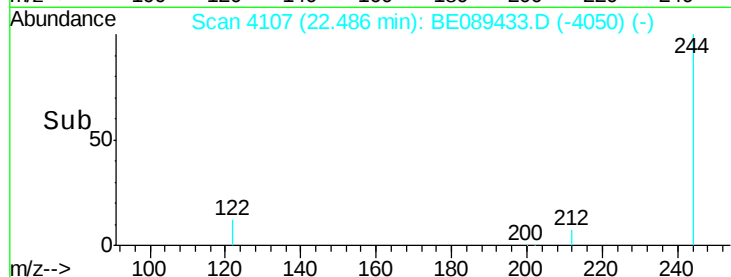
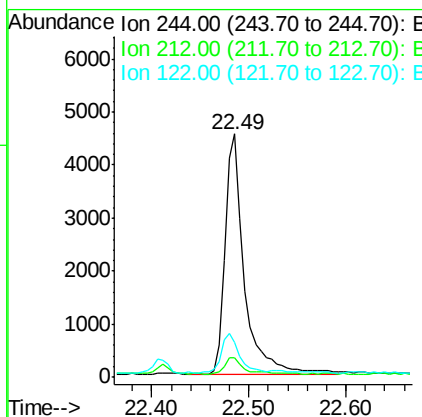
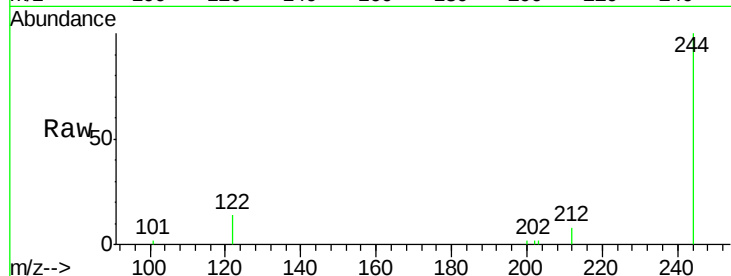




#18
 Terphenyl-d14
 Concen: 0.14 ng
 RT: 22.49 min Scan# 4107
 Delta R.T. 0.00 min
 Lab File: BE089433.D
 Acq: 30 Jan 2015 5:32

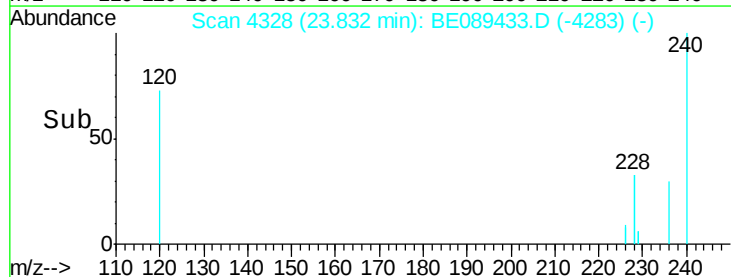
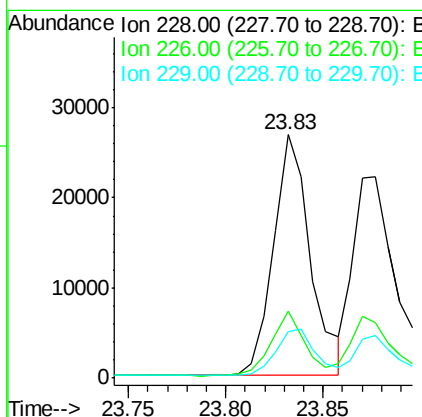
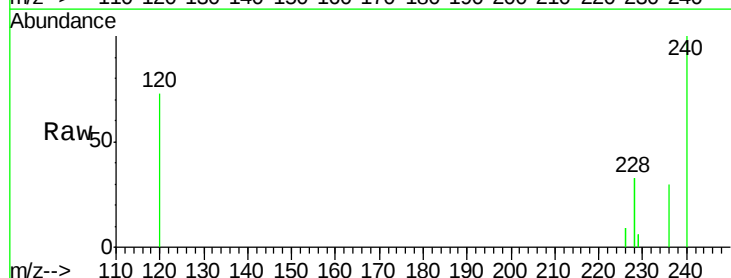
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

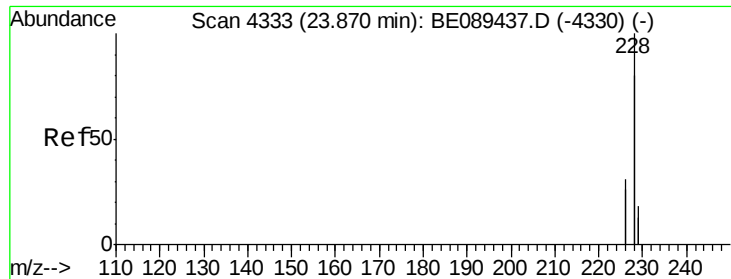
Tgt Ion: 244 Resp: 6232
 Ion Ratio Lower Upper
 244 100
 212 8.2 5.0 7.6#
 122 14.1 10.2 15.4



#19
 Benzo(a)anthracene
 Concen: 0.16 ng
 RT: 23.83 min Scan# 4328
 Delta R.T. 0.00 min
 Lab File: BE089433.D
 Acq: 30 Jan 2015 5:32

Tgt Ion: 228 Resp: 35497
 Ion Ratio Lower Upper
 228 100
 226 27.5 20.0 30.0
 229 18.9 16.0 24.0





#20

Chrysene

Concen: 0.14 ng

RT: 23.88 min Scan# 4335

Delta R.T. 0.01 min

Lab File: BE089433.D

Acq: 30 Jan 2015 5:32

Instrument :

BNA_E

LabSampleId :

SSTDICC0.1

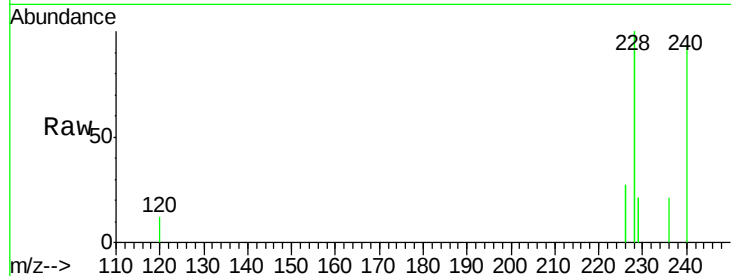
Tgt Ion:228 Resp: 39092

Ion Ratio Lower Upper

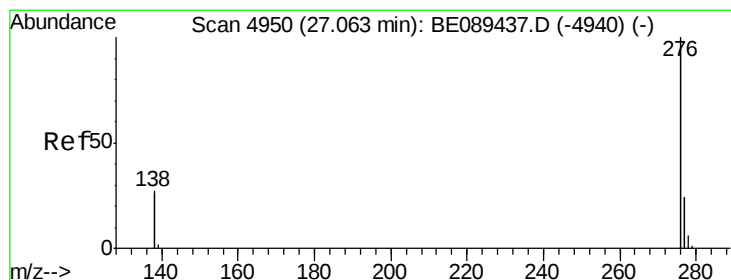
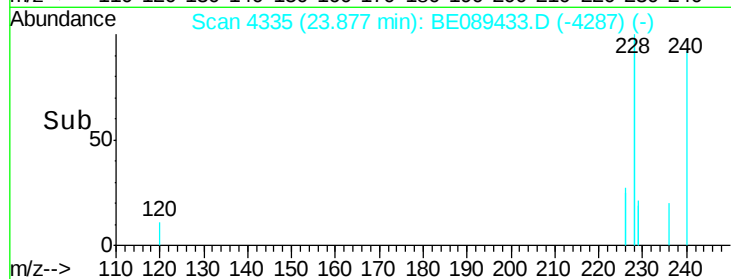
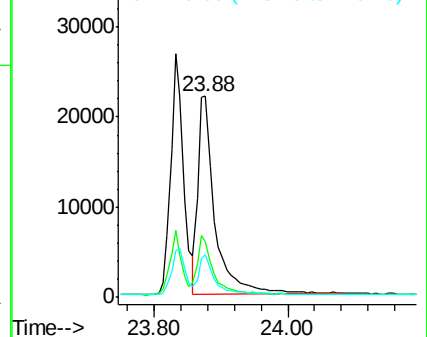
228 100

226 27.5 24.5 36.7

229 21.1 14.1 21.1



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: 0.15 ng

RT: 27.06 min Scan# 4951

Delta R.T. -0.01 min

Lab File: BE089433.D

Acq: 30 Jan 2015 5:32

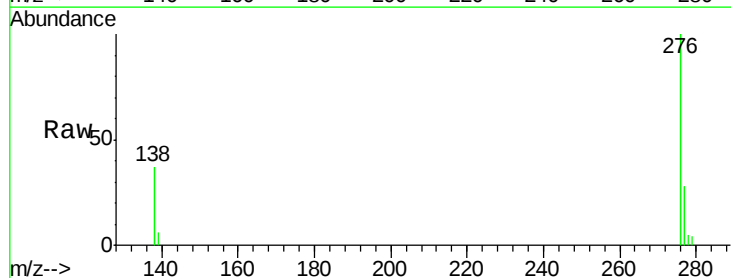
Tgt Ion:276 Resp: 22951

Ion Ratio Lower Upper

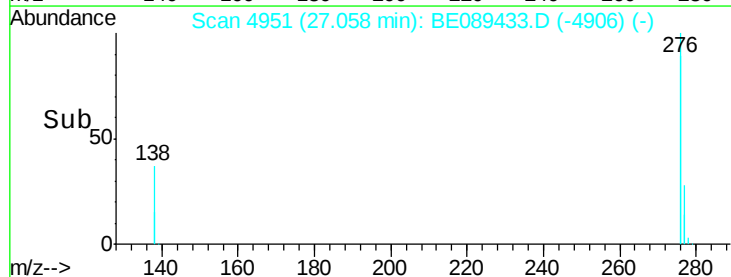
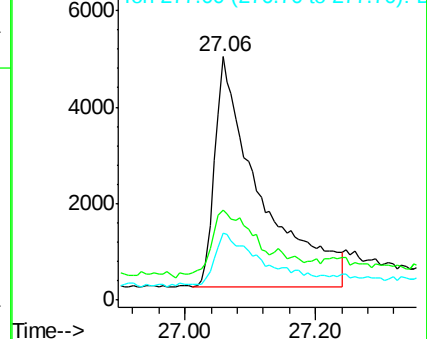
276 100

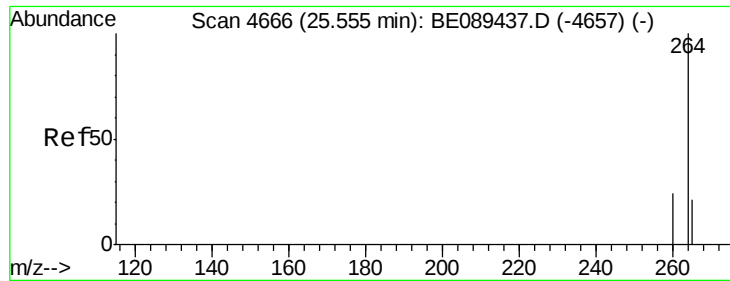
138 26.5 25.4 38.0

277 22.4 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

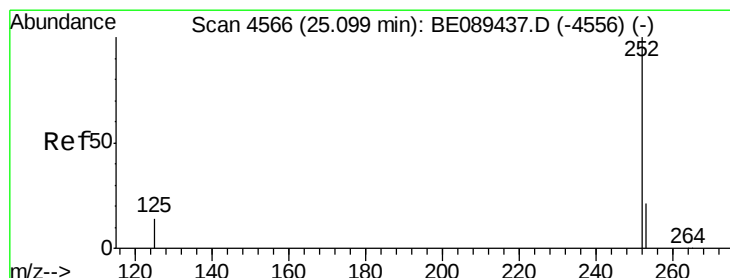
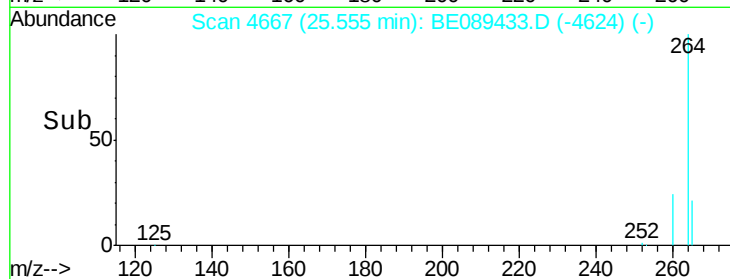
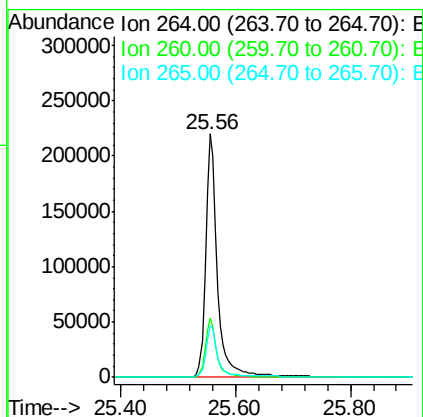
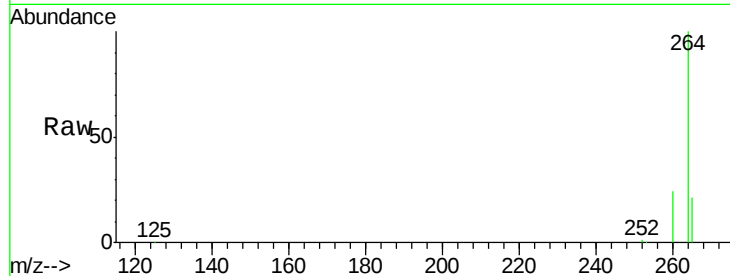




#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.56 min Scan# 4667
 Delta R.T. 0.00 min
 Lab File: BE089433.D
 Acq: 30 Jan 2015 5:32

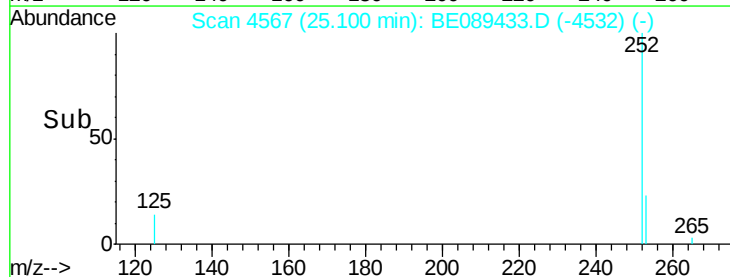
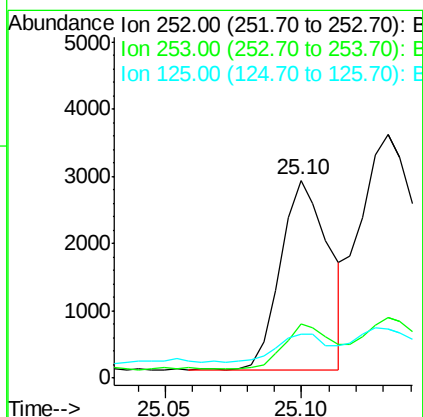
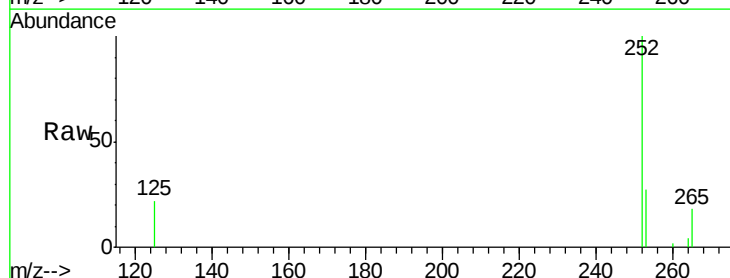
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

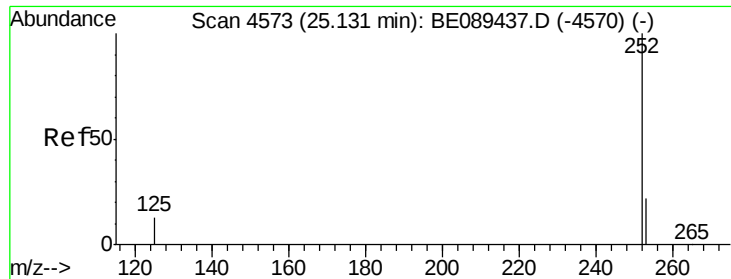
Tgt Ion: 264 Resp: 314017
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.4 29.0
 265 21.1 17.0 25.6



#23
 Benzo(b)fluoranthene
 Concen: 0.10 ng
 RT: 25.10 min Scan# 4567
 Delta R.T. 0.00 min
 Lab File: BE089433.D
 Acq: 30 Jan 2015 5:32

Tgt Ion: 252 Resp: 3515
 Ion Ratio Lower Upper
 252 100
 253 27.1 17.0 25.6#
 125 21.9 11.4 17.0#





#24

Benzo(k)fluoranthene

Concen: 0.12 ng

RT: 25.13 min Scan# 4574

Delta R.T. 0.00 min

Lab File: BE089433.D

Acq: 30 Jan 2015 5:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

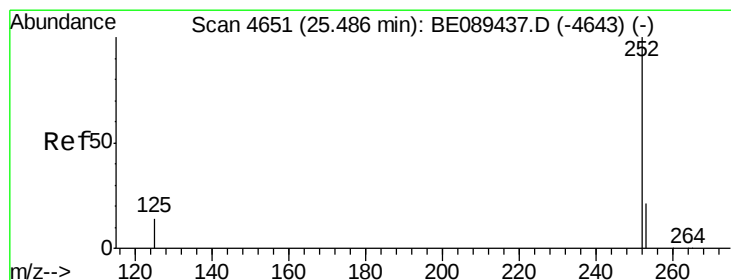
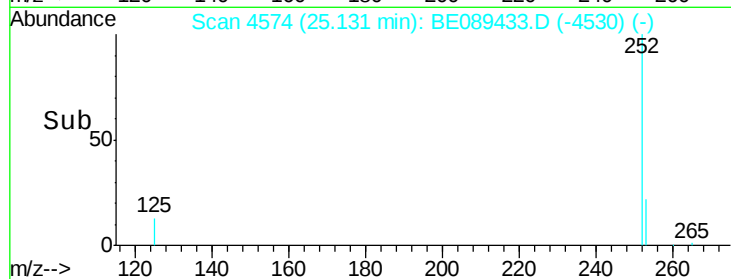
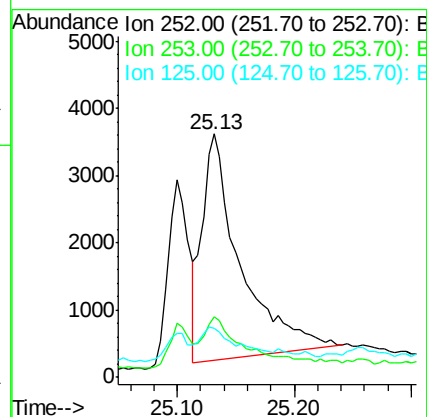
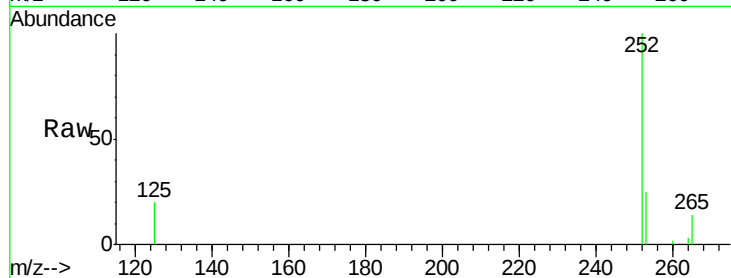
Tgt Ion:252 Resp: 7650

Ion Ratio Lower Upper

252 100

253 25.1 17.4 26.2

125 20.1 10.9 16.3#



#25

Benzo(a)pyrene

Concen: 0.11 ng

RT: 25.49 min Scan# 4652

Delta R.T. 0.00 min

Lab File: BE089433.D

Acq: 30 Jan 2015 5:32

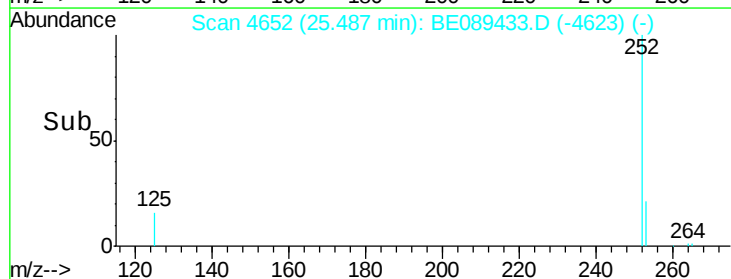
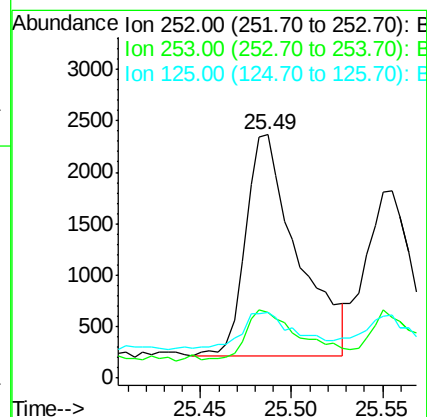
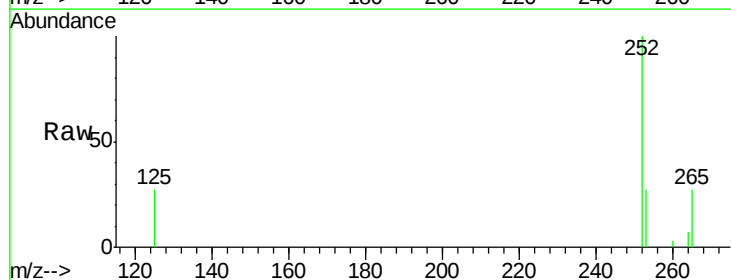
Tgt Ion:252 Resp: 4255

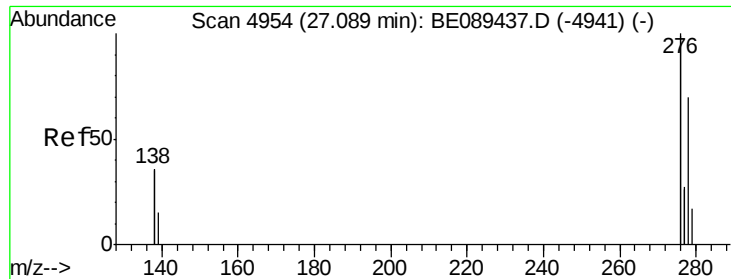
Ion Ratio Lower Upper

252 100

253 27.0 17.3 25.9#

125 27.1 12.0 18.0#





#26

Dibenzo(a,h)anthracene

Concen: 0.12 ng

RT: 27.09 min Scan# 4956

Delta R.T. 0.00 min

Lab File: BE089433.D

Acq: 30 Jan 2015 5:32

Instrument :

BNA_E

LabSampleId :

SSTDICC0.1

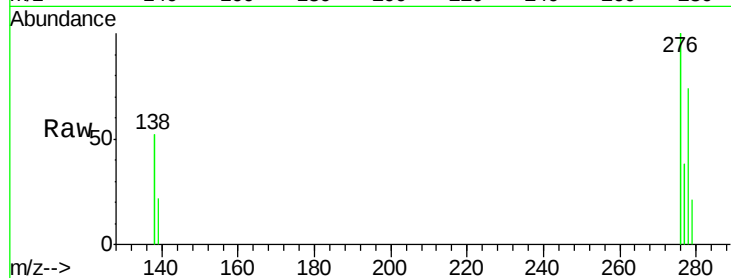
Tgt Ion: 278 Resp: 3850

Ion Ratio Lower Upper

278 100

139 29.5 17.0 25.4#

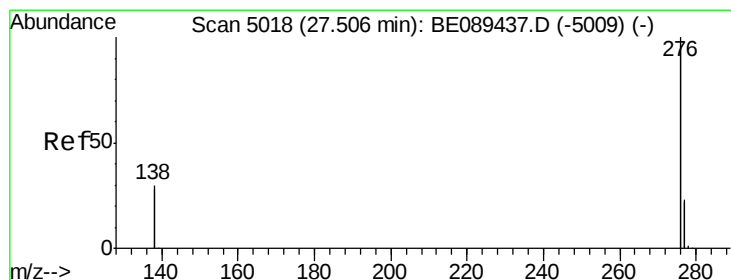
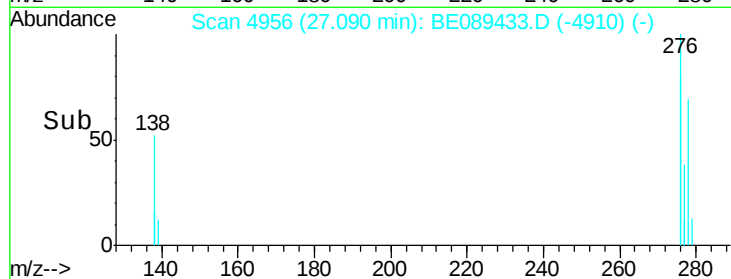
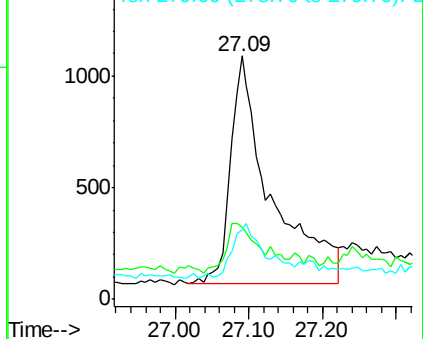
279 28.7 19.1 28.7#



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: 0.14 ng

RT: 27.51 min Scan# 5020

Delta R.T. 0.00 min

Lab File: BE089433.D

Acq: 30 Jan 2015 5:32

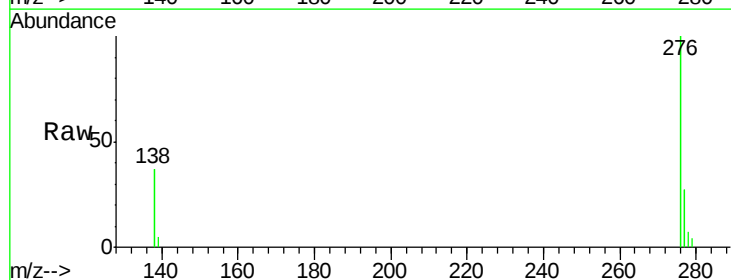
Tgt Ion: 276 Resp: 25561

Ion Ratio Lower Upper

276 100

277 26.9 18.4 27.6

138 37.0 23.7 35.5#



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

