

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
 Data File : BE089339.D
 Acq On : 7 Jan 2015 21:32
 Operator : TP/IZ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Quant Time: Jan 08 05:28:34 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BASE-BE010715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 08 05:21:18 2015
 Response via : Initial Calibration

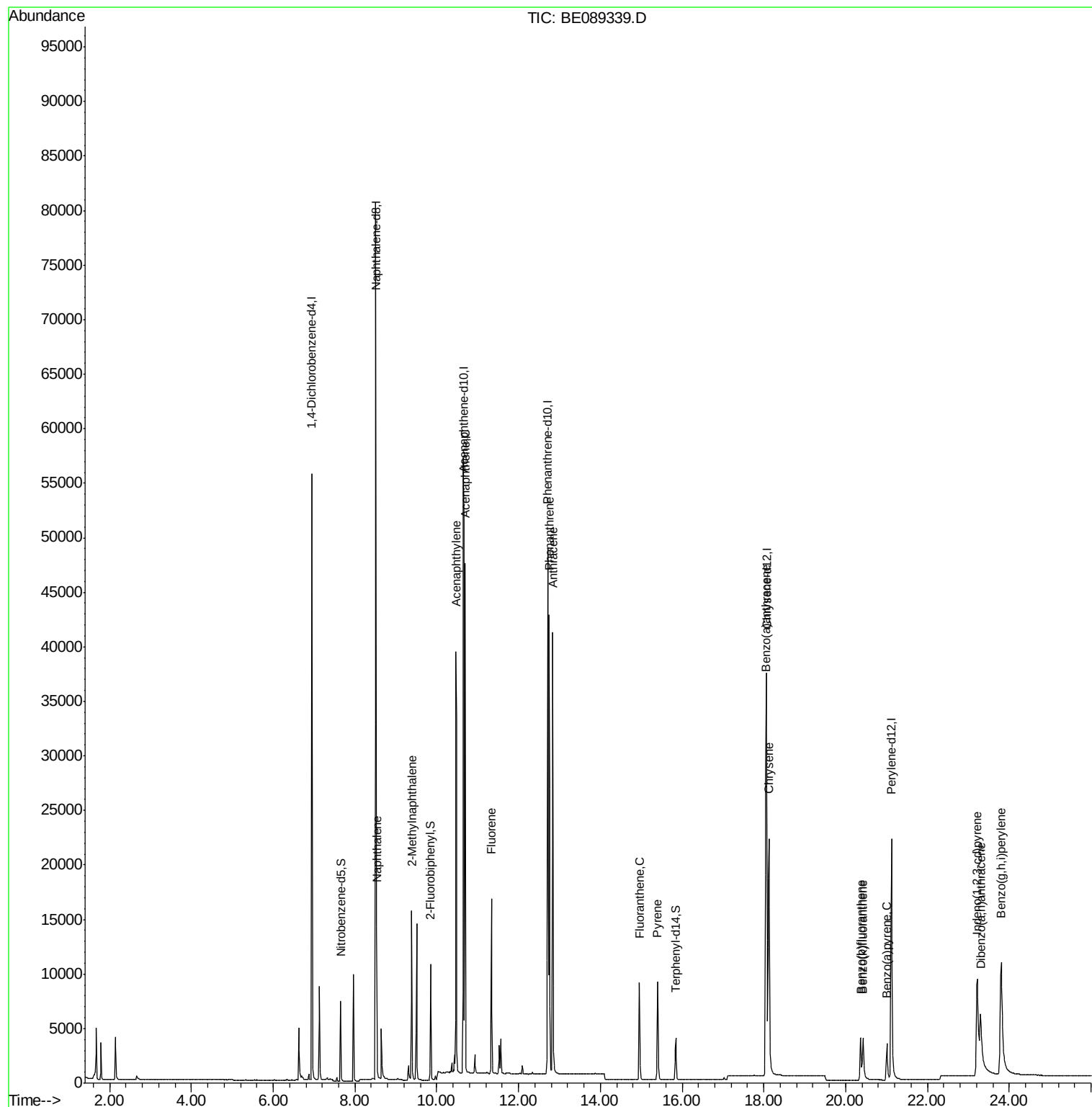
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	17382	5.00	ng	0.00
2) Naphthalene-d8	8.51	136	67158	5.00	ng	0.00
6) Acenaphthene-d10	10.66	164	31412	5.00	ng	0.00
11) Phenanthrene-d10	12.72	188	48547	5.00	ng	0.00
15) Chrysene-d12	18.07	240	35810	5.00	ng	0.00
21) Perylene-d12	21.12	264	32891	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	7.65	82	3839	0.91	ng	0.00
7) 2-Fluorobiphenyl	9.85	172	7052	0.86	ng	0.00
17) Terphenyl-d14	15.85	244	5196	0.98	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	8.54	128	12609	0.94	ng	99
5) 2-Methylnaphthalene	9.39	142	7936	0.99	ng	96
8) Acenaphthylene	10.47	152	44670	1.00	ng	99
9) Acenaphthene	10.69	154	6925	1.00	ng	90
10) Fluorene	11.34	166	7465	0.99	ng	99
12) Phenanthrene	12.75	178	42246	0.94	ng	99
13) Anthracene	12.84	178	41220	1.00	ng	99
14) Fluoranthene	14.96	202	9348	0.97	ng	100
16) Pyrene	15.40	202	9878	1.13	ng	100
18) Benzo(a)anthracene	18.04	228	29810	1.01	ng	99
19) Chrysene	18.12	228	30540	1.00	ng	99
20) Indeno(1,2,3-cd)pyrene	23.22	276	18558	0.63	ng	99
22) Benzo(b)fluoranthene	20.37	252	5813	0.89	ng	99
23) Benzo(k)fluoranthene	20.42	252	7630	0.91	ng	99
24) Benzo(a)pyrene	21.01	252	5775	0.93	ng	100
25) Dibenzo(a,h)anthracene	23.30	278	5378	0.83	ng	100
26) Benzo(g,h,i)perylene	23.80	276	27096	0.92	ng	100

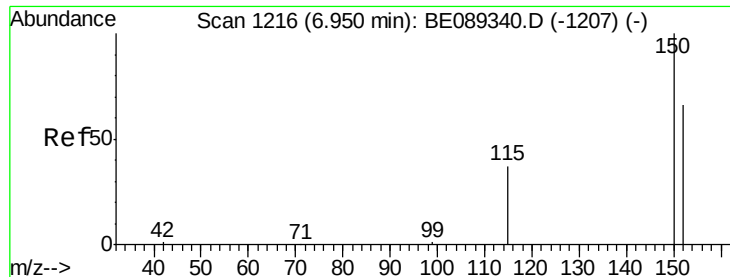
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.95 min Scan# 1216

Delta R.T. -0.00 min

Lab File: BE089339.D

Acq: 7 Jan 2015 21:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

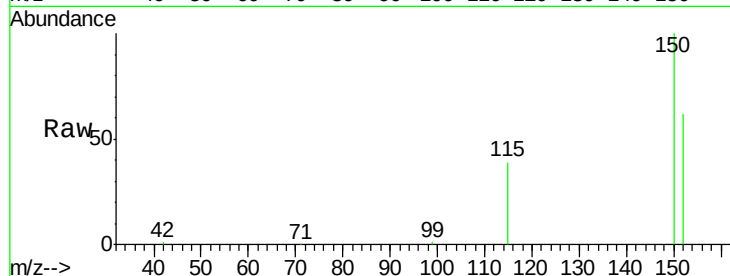
Tgt Ion:152 Resp: 17382

Ion Ratio Lower Upper

152 100

150 161.2 121.5 182.3

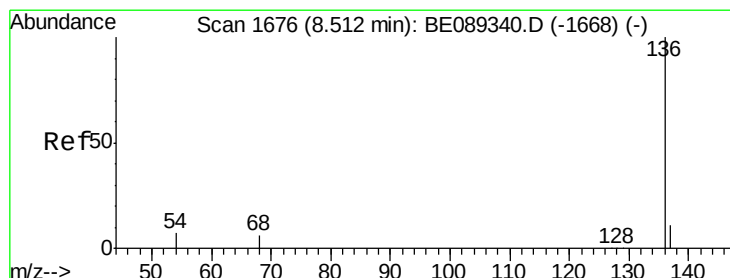
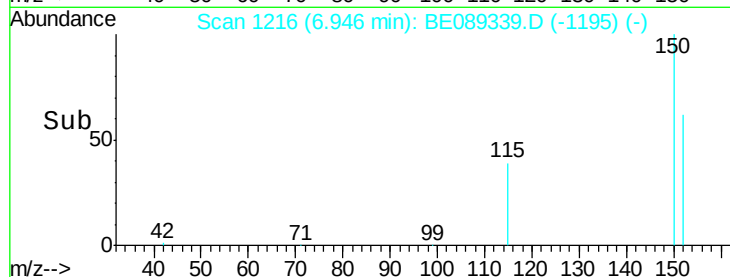
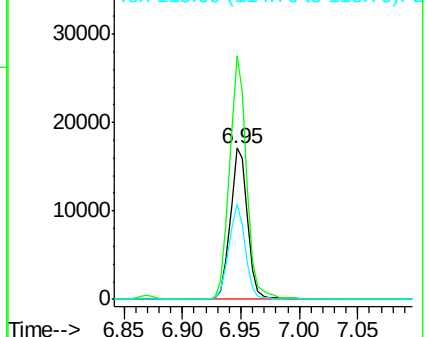
115 62.7 45.2 67.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

Naphthalene-d8

Concen: 5.00 ng

RT: 8.51 min Scan# 1676

Delta R.T. -0.00 min

Lab File: BE089339.D

Acq: 7 Jan 2015 21:32

Tgt Ion:136 Resp: 67158

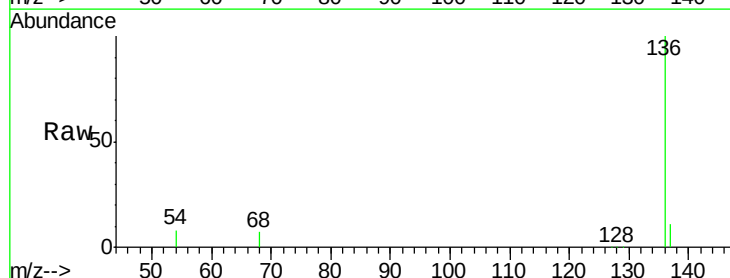
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 7.6 5.4 8.0

68 6.7 4.7 7.1

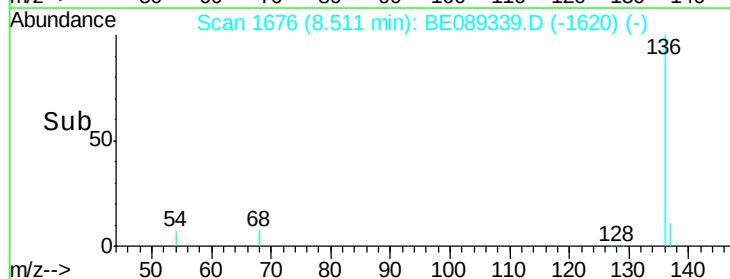
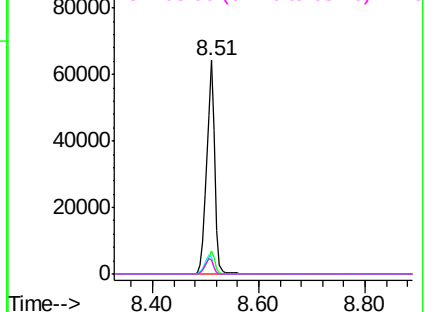


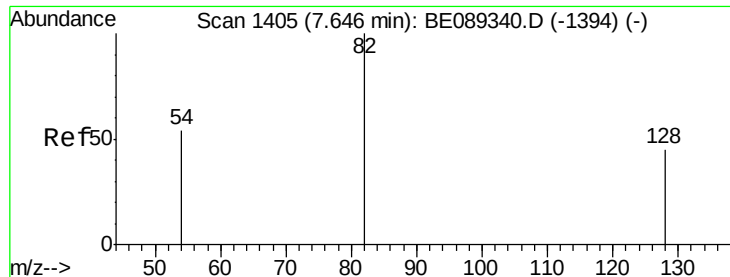
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#3

Nitrobenzene-d5

Concen: 0.91 ng

RT: 7.65 min Scan# 1406

Delta R.T. 0.00 min

Lab File: BE089339.D

Acq: 7 Jan 2015 21:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

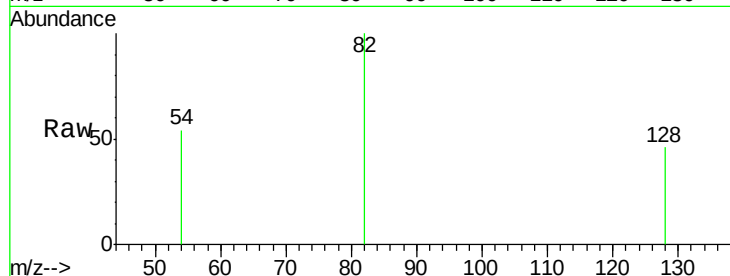
Tgt Ion: 82 Resp: 3839

Ion Ratio Lower Upper

82 100

128 46.0 36.5 54.7

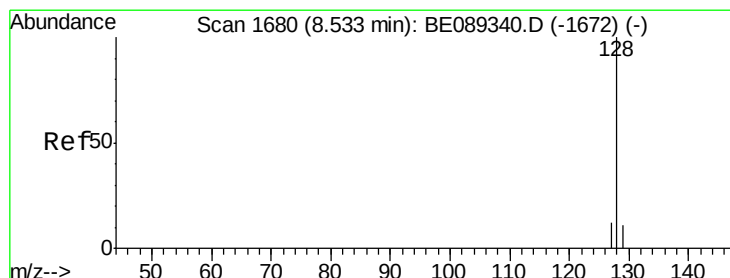
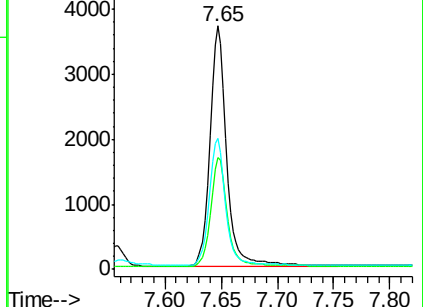
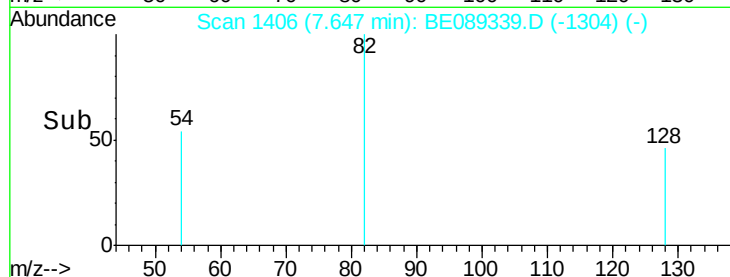
54 54.0 43.5 65.3



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: 0.94 ng

RT: 8.54 min Scan# 1681

Delta R.T. 0.00 min

Lab File: BE089339.D

Acq: 7 Jan 2015 21:32

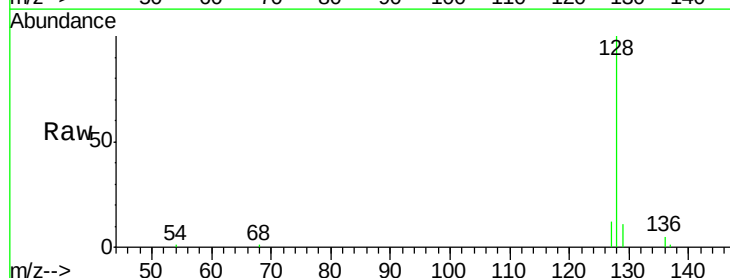
Tgt Ion: 128 Resp: 12609

Ion Ratio Lower Upper

128 100

129 11.5 8.8 13.2

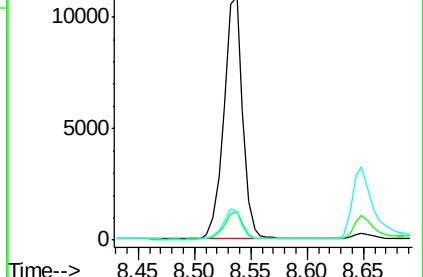
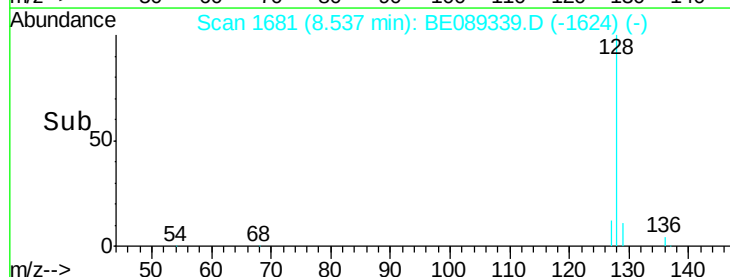
127 12.0 10.0 15.0

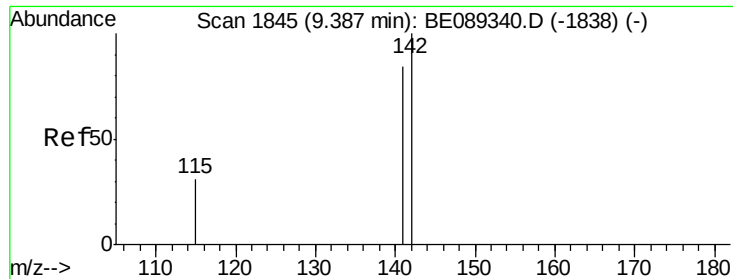


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#5

2-Methylnaphthalene

Concen: 0.99 ng

RT: 9.39 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BE089339.D

Acq: 7 Jan 2015 21:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

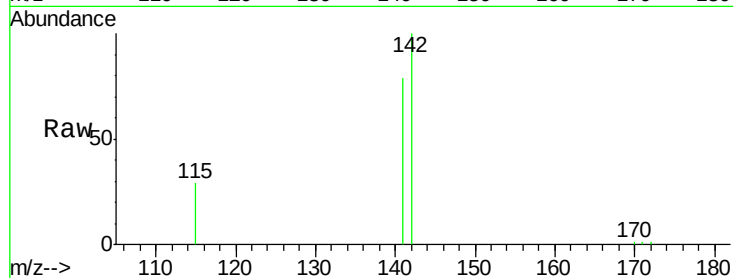
Tgt Ion:142 Resp: 7936

Ion Ratio Lower Upper

142 100

141 78.7 66.3 99.5

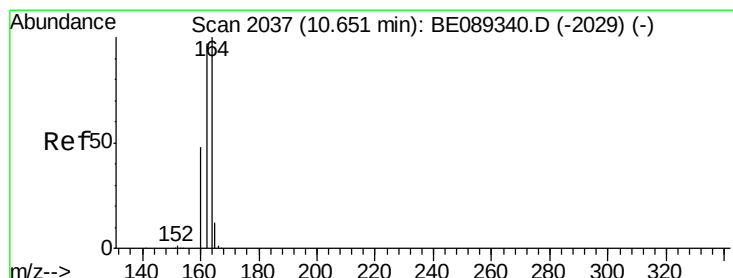
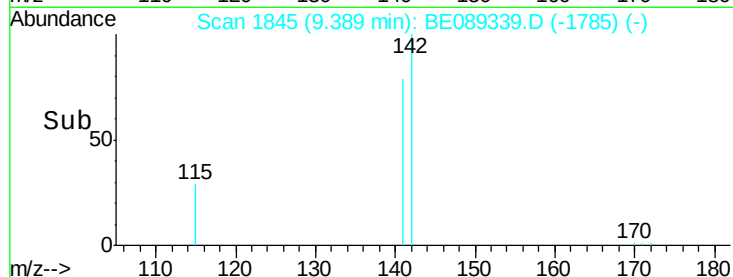
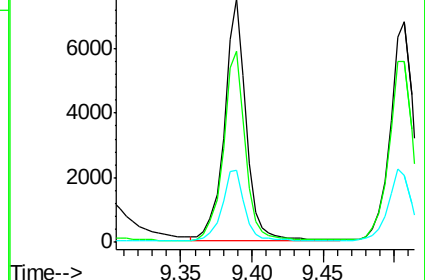
115 29.5 25.2 37.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#6

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.66 min Scan# 2037

Delta R.T. 0.01 min

Lab File: BE089339.D

Acq: 7 Jan 2015 21:32

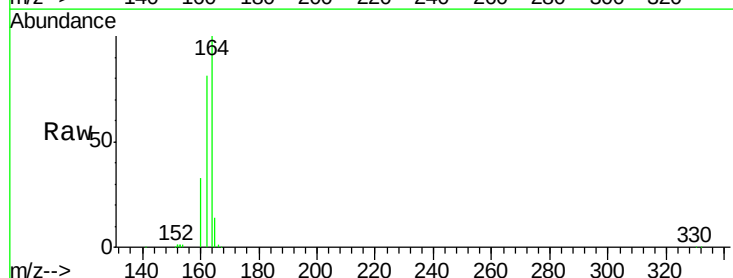
Tgt Ion:164 Resp: 31412

Ion Ratio Lower Upper

164 100

162 81.0 77.4 116.2

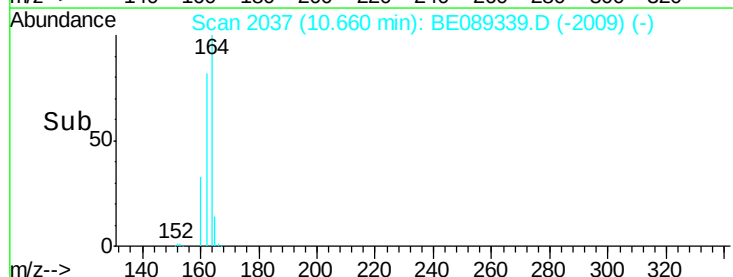
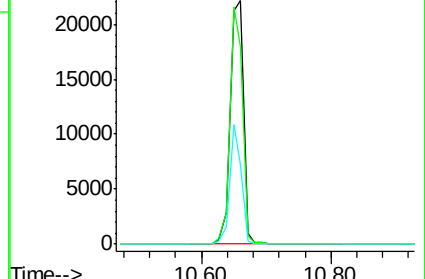
160 32.9 38.2 57.4#

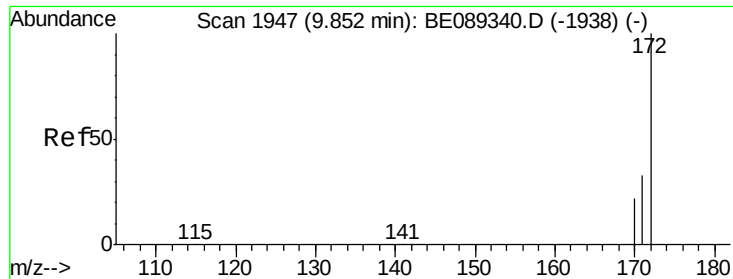


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 0.86 ng

RT: 9.85 min Scan# 1947

Delta R.T. 0.00 min

Lab File: BE089339.D

Acq: 7 Jan 2015 21:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

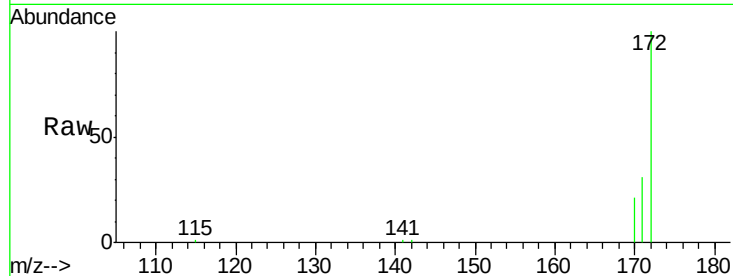
Tgt Ion:172 Resp: 7052

Ion Ratio Lower Upper

172 100

171 31.5 26.4 39.6

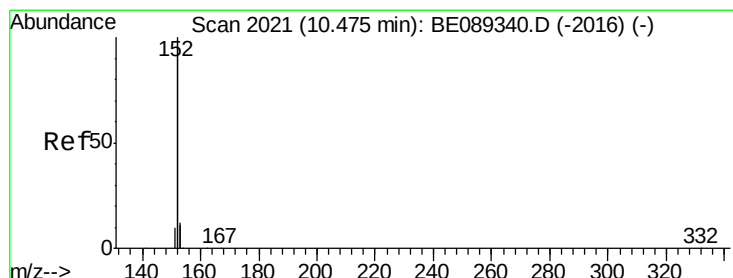
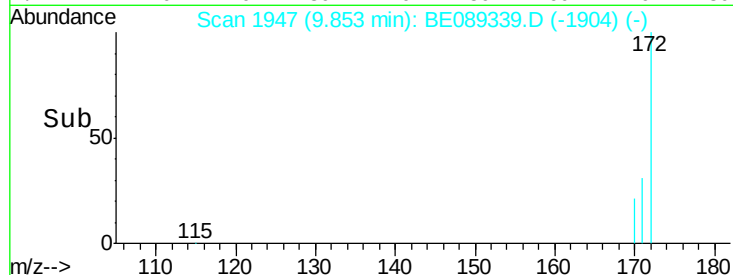
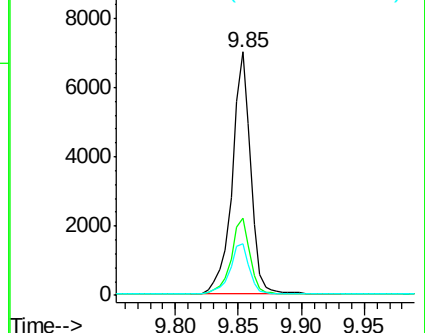
170 21.1 18.0 27.0



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#8

Acenaphthylene

Concen: 1.00 ng

RT: 10.47 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BE089339.D

Acq: 7 Jan 2015 21:32

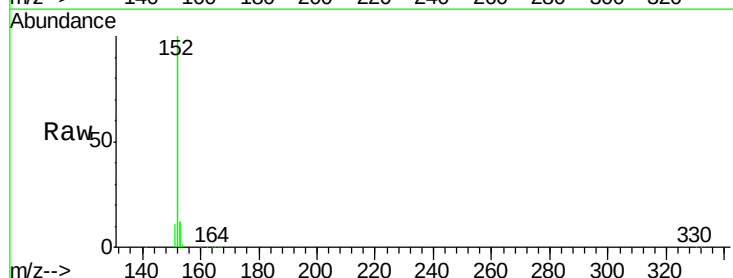
Tgt Ion:152 Resp: 44670

Ion Ratio Lower Upper

152 100

151 5.4 4.1 6.1

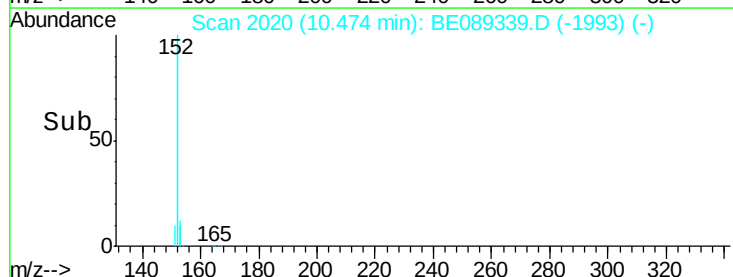
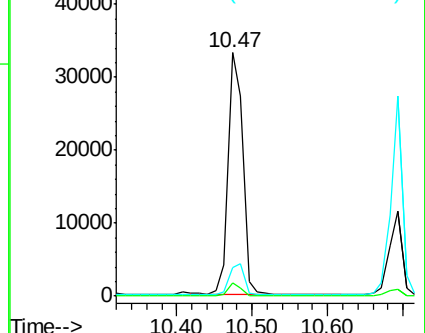
153 11.6 9.8 14.6

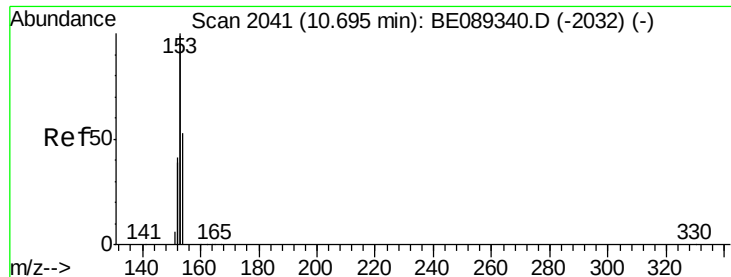


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 1.00 ng

RT: 10.69 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BE089339.D

Acq: 7 Jan 2015 21:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

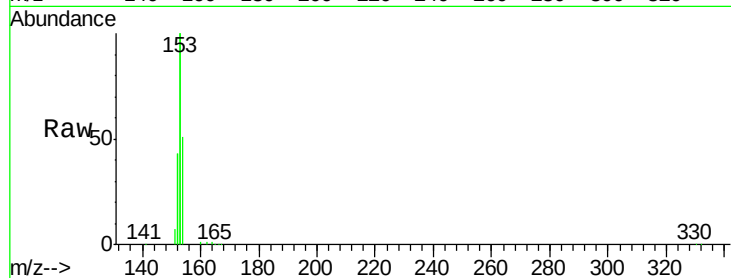
Tgt Ion:154 Resp: 6925

Ion Ratio Lower Upper

154 100

153 395.6 300.6 450.8

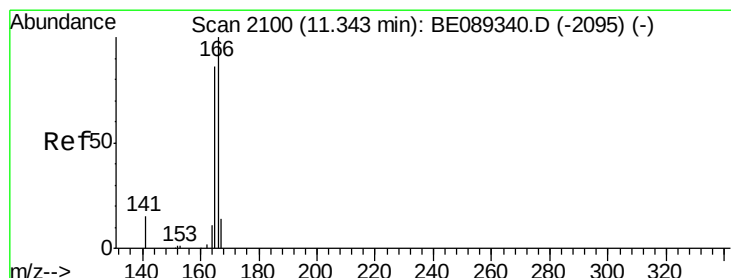
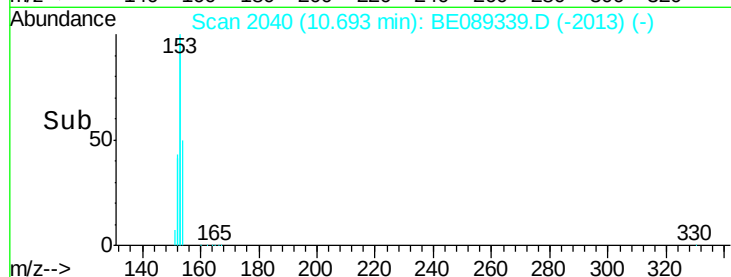
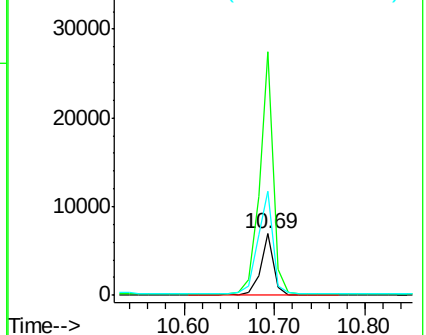
152 168.9 123.3 184.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#10

Fluorene

Concen: 0.99 ng

RT: 11.34 min Scan# 2099

Delta R.T. -0.00 min

Lab File: BE089339.D

Acq: 7 Jan 2015 21:32

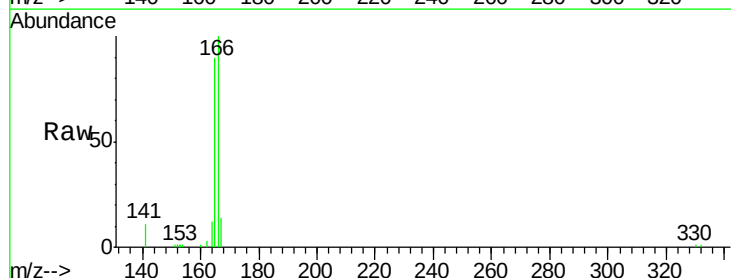
Tgt Ion:166 Resp: 7465

Ion Ratio Lower Upper

166 100

165 90.8 72.1 108.1

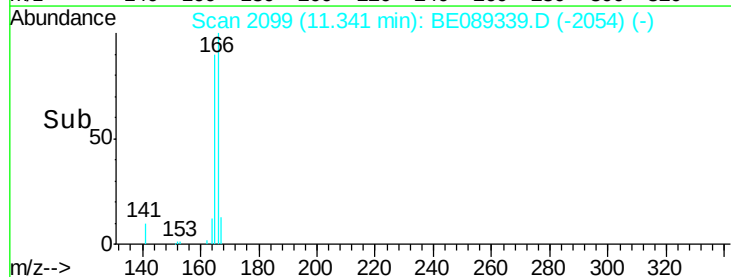
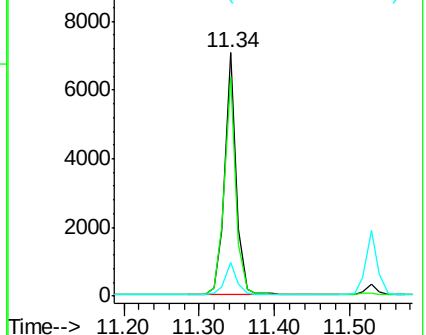
167 13.6 11.0 16.4

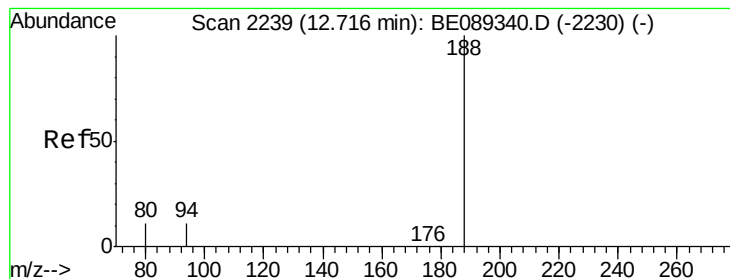


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#11

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.72 min Scan# 2239

Delta R.T. 0.00 min

Lab File: BE089339.D

Acq: 7 Jan 2015 21:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

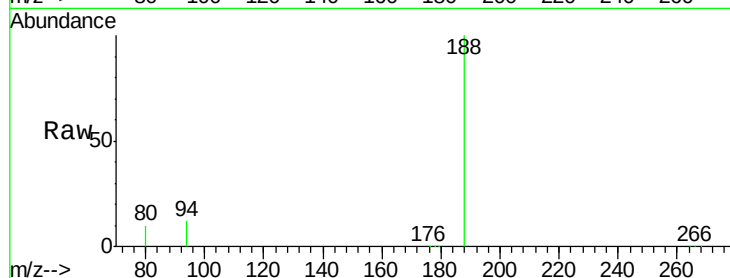
Tgt Ion:188 Resp: 48547

Ion Ratio Lower Upper

188 100

94 11.6 11.0 12.2

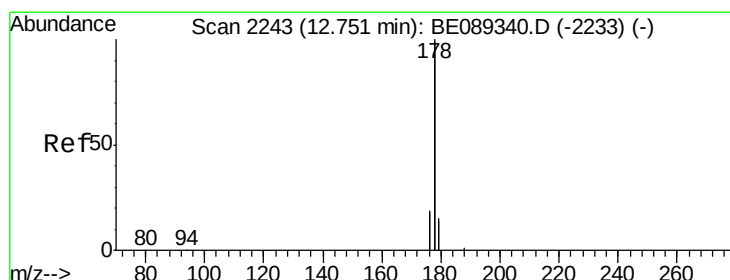
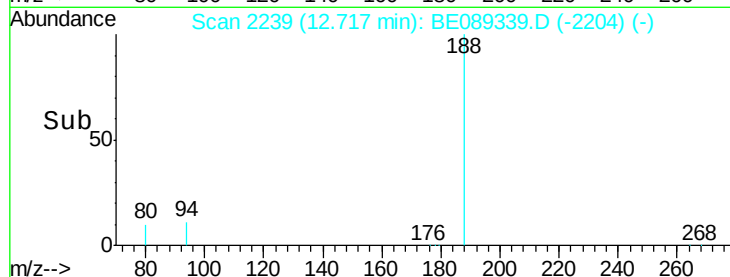
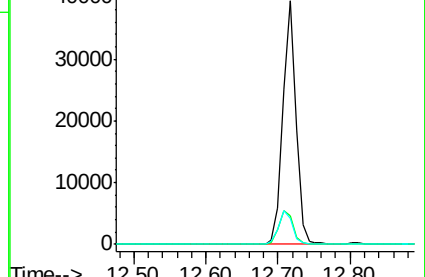
80 10.4 10.1 11.1



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



#12

Phenanthrene

Concen: 0.94 ng

RT: 12.75 min Scan# 2243

Delta R.T. 0.00 min

Lab File: BE089339.D

Acq: 7 Jan 2015 21:32

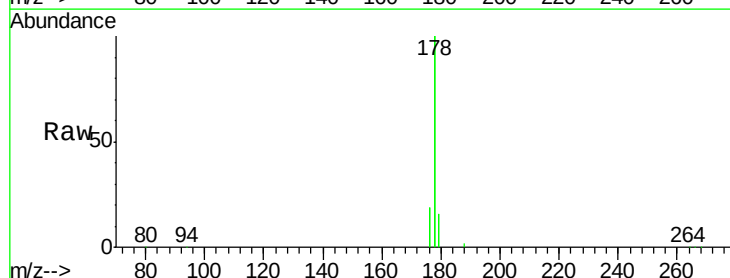
Tgt Ion:178 Resp: 42246

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

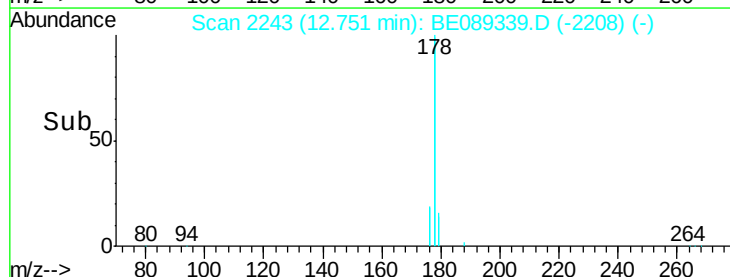
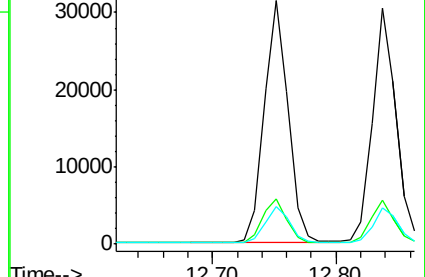
179 15.6 12.2 18.2

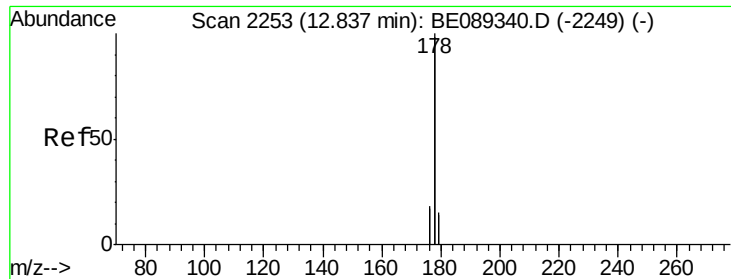


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#13

Anthracene

Concen: 1.00 ng

RT: 12.84 min Scan# 2253

Delta R.T. 0.00 min

Lab File: BE089339.D

Acq: 7 Jan 2015 21:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

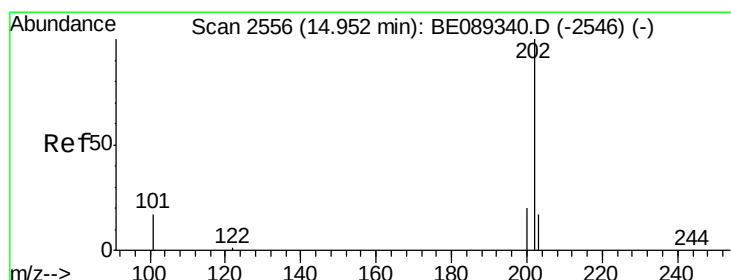
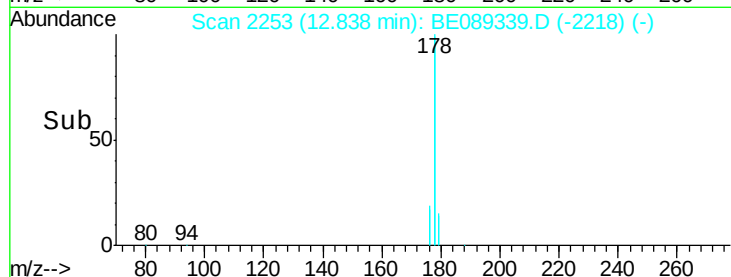
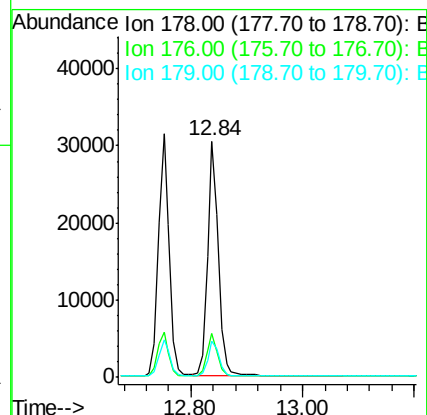
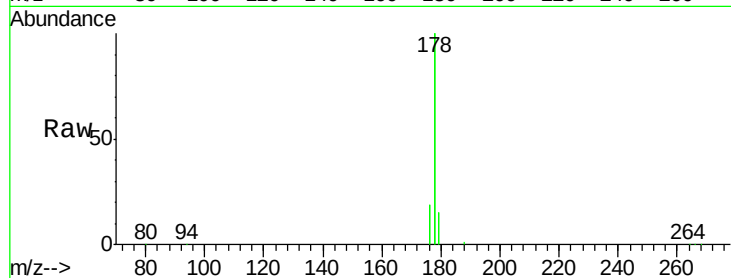
Tgt Ion:178 Resp: 41220

Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

179 15.3 12.0 18.0



#14

Fluoranthene

Concen: 0.97 ng

RT: 14.96 min Scan# 2557

Delta R.T. 0.00 min

Lab File: BE089339.D

Acq: 7 Jan 2015 21:32

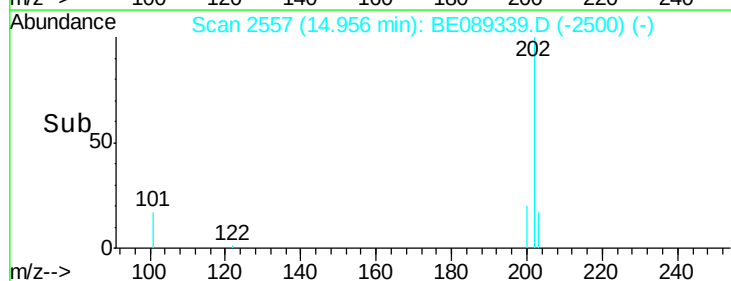
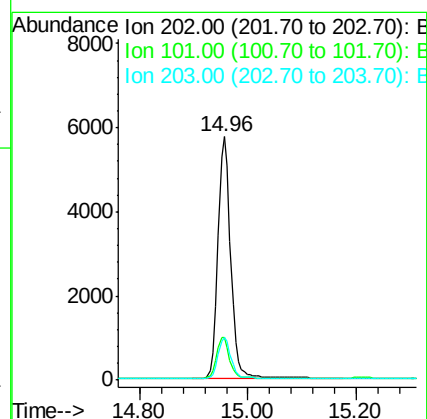
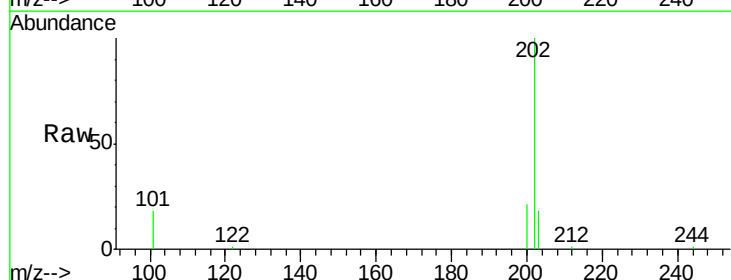
Tgt Ion:202 Resp: 9348

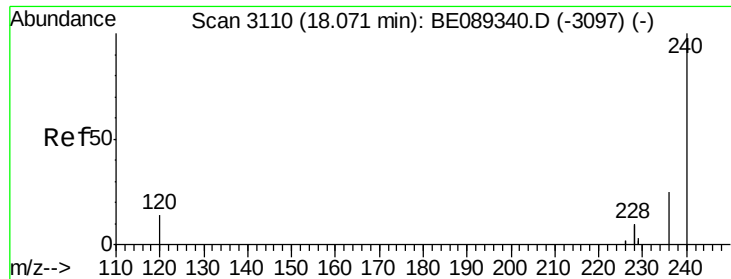
Ion Ratio Lower Upper

202 100

101 17.8 0.0 37.9

203 17.7 0.0 37.5





#15

Chrysene-d12

Concen: 5.00 ng

RT: 18.07 min Scan# 3110

Delta R.T. -0.00 min

Lab File: BE089339.D

Acq: 7 Jan 2015 21:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

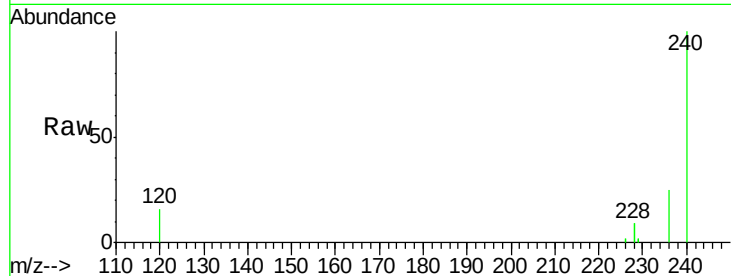
Tgt Ion:240 Resp: 35810

Ion Ratio Lower Upper

240 100

120 16.4 11.8 17.6

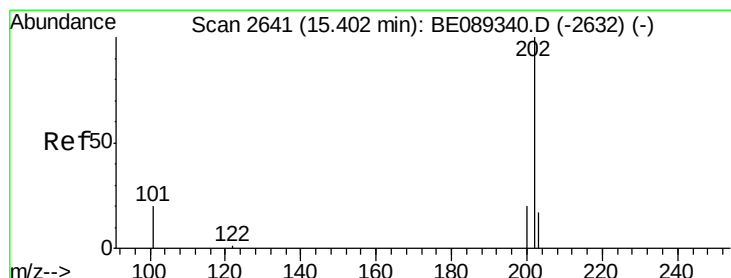
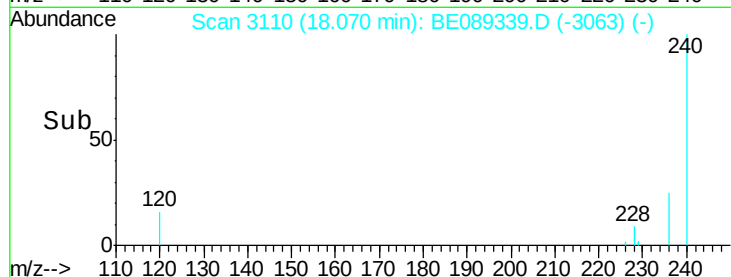
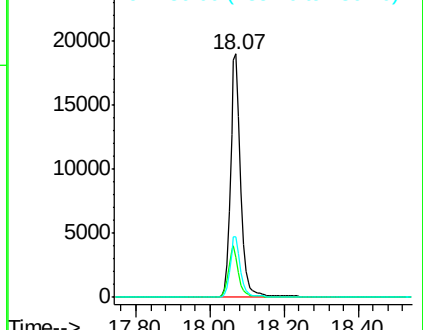
236 24.9 20.0 30.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#16

Pyrene

Concen: 1.13 ng

RT: 15.40 min Scan# 2641

Delta R.T. -0.00 min

Lab File: BE089339.D

Acq: 7 Jan 2015 21:32

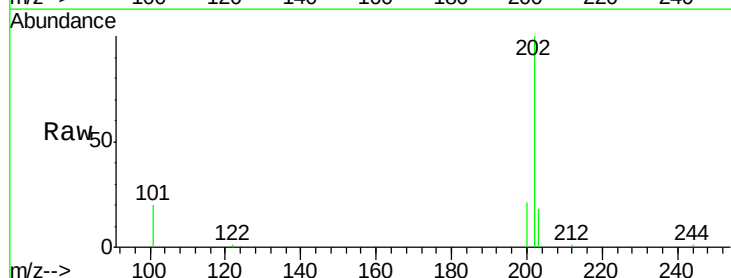
Tgt Ion:202 Resp: 9878

Ion Ratio Lower Upper

202 100

200 20.8 16.8 25.2

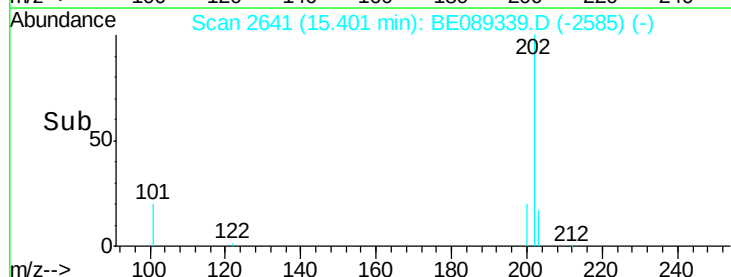
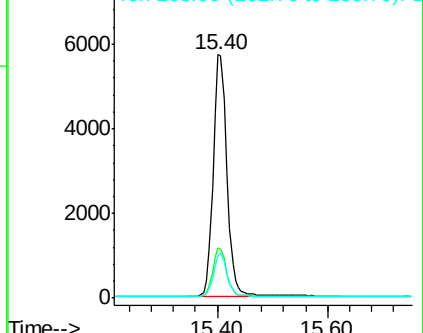
203 17.7 14.0 21.0

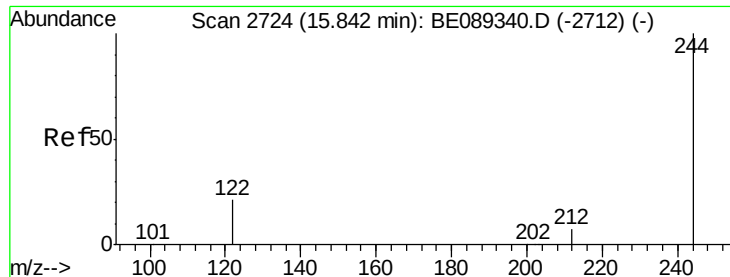


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

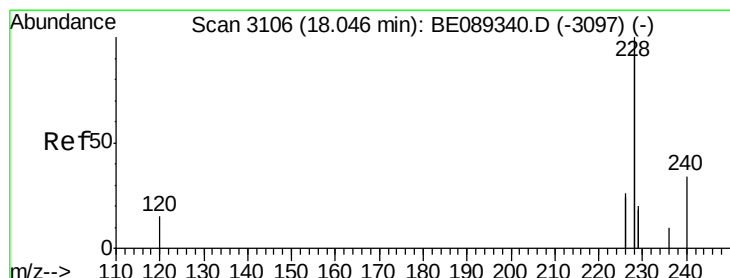
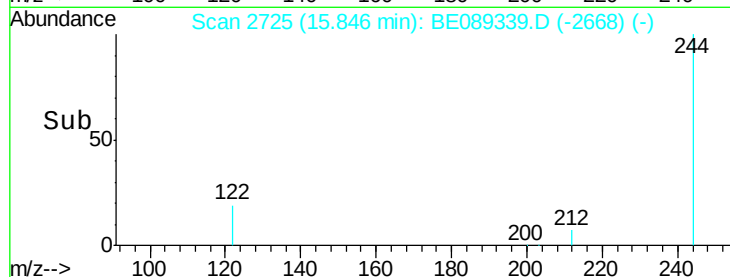
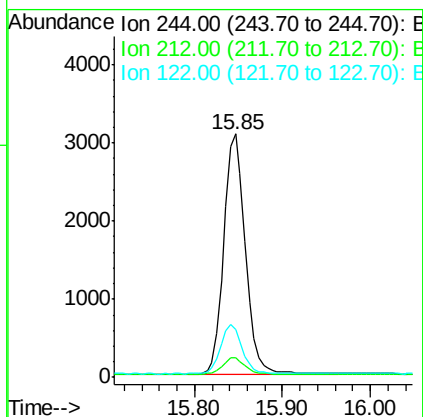
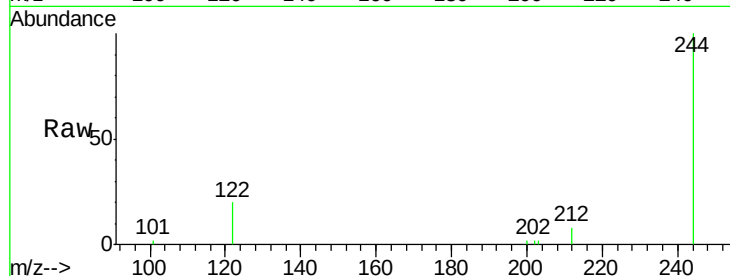




#17
 Terphenyl-d14
 Concen: 0.98 ng
 RT: 15.85 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: BE089339.D
 Acq: 7 Jan 2015 21:32

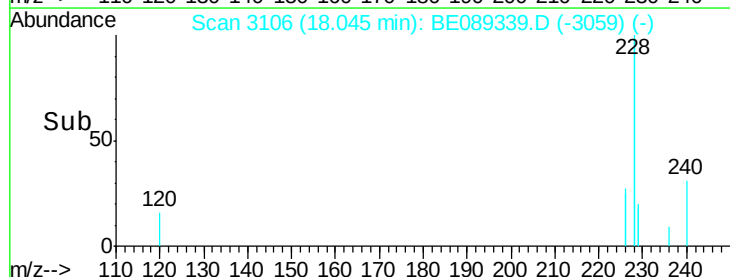
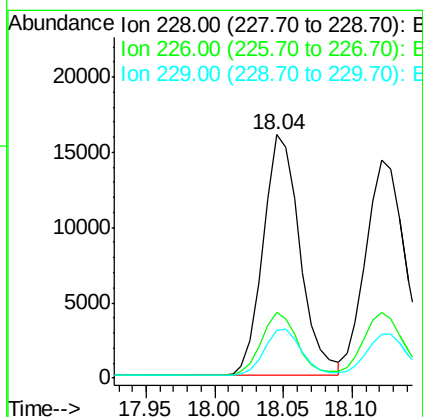
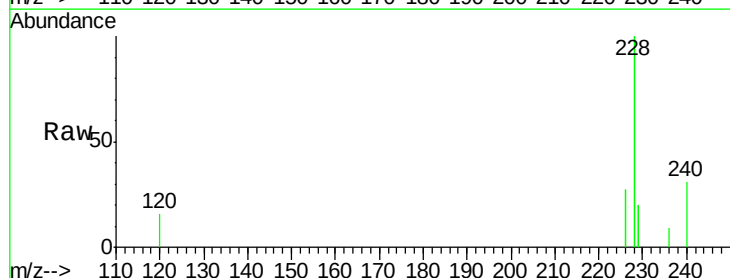
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

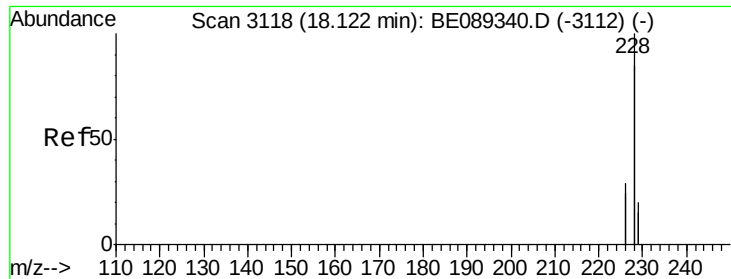
Tgt Ion: 244 Resp: 5196
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.3 9.5
 122 19.8 17.7 26.5



#18
 Benzo(a)anthracene
 Concen: 1.01 ng
 RT: 18.04 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: BE089339.D
 Acq: 7 Jan 2015 21:32

Tgt Ion: 228 Resp: 29810
 Ion Ratio Lower Upper
 228 100
 226 27.0 21.0 31.6
 229 19.7 16.0 24.0





#19

Chrysene

Concen: 1.00 ng

RT: 18.12 min Scan# 3118

Delta R.T. -0.00 min

Lab File: BE089339.D

Acq: 7 Jan 2015 21:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

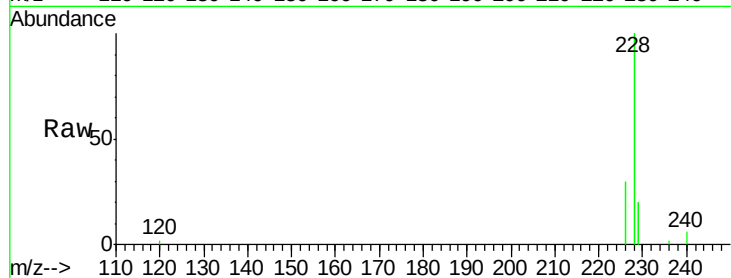
Tgt Ion:228 Resp: 30540

Ion Ratio Lower Upper

228 100

226 30.0 23.5 35.3

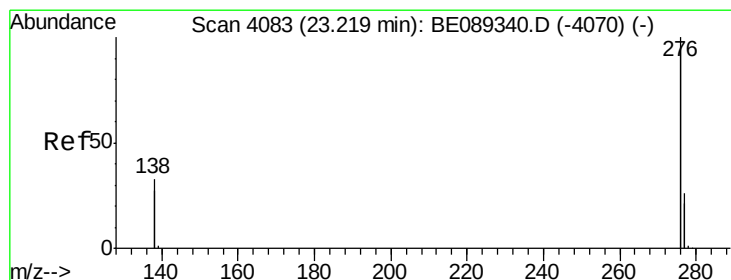
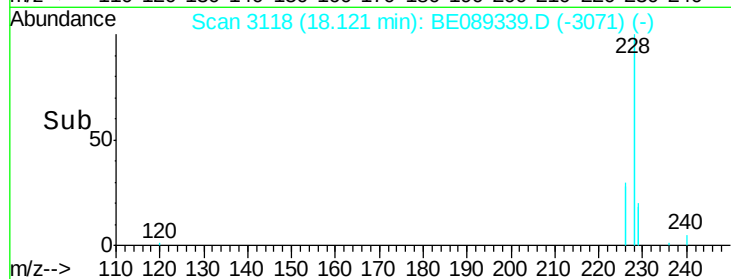
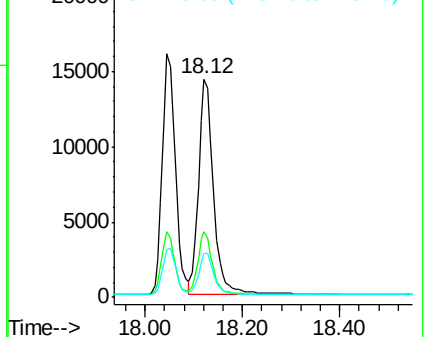
229 20.1 16.1 24.1



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



#20

Indeno(1,2,3-cd)pyrene

Concen: 0.63 ng

RT: 23.22 min Scan# 4083

Delta R.T. -0.00 min

Lab File: BE089339.D

Acq: 7 Jan 2015 21:32

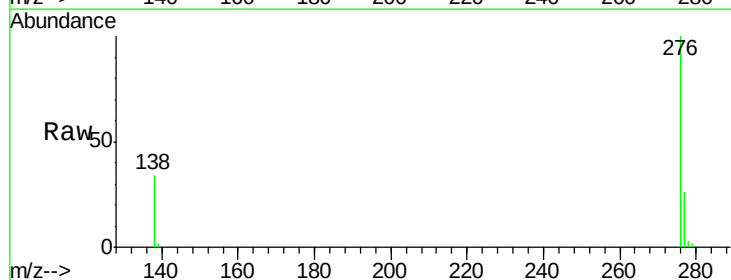
Tgt Ion:276 Resp: 18558

Ion Ratio Lower Upper

276 100

138 29.7 23.8 35.8

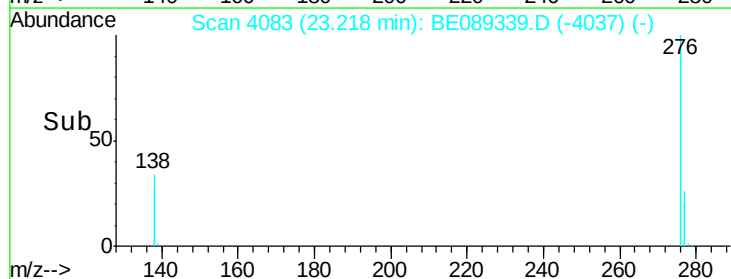
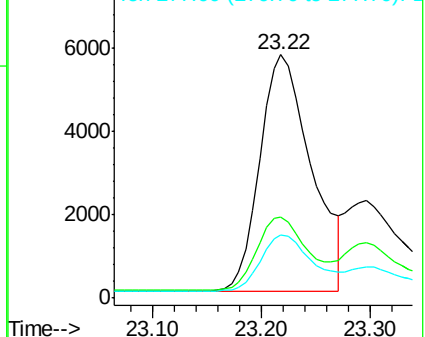
277 23.8 18.2 27.4

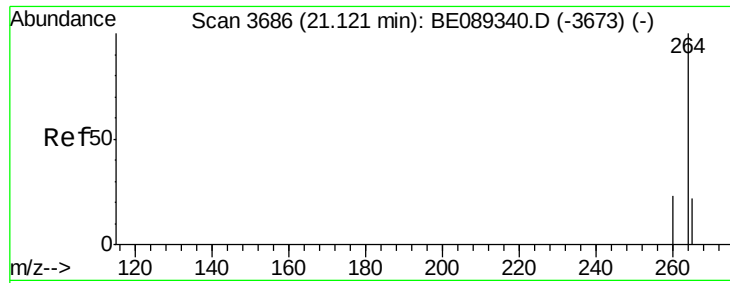


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

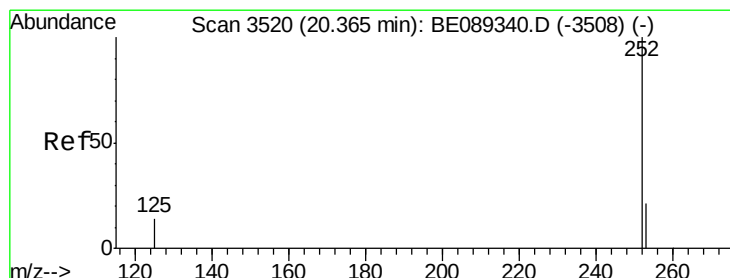
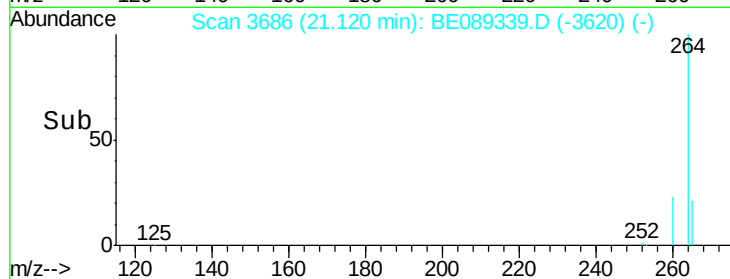
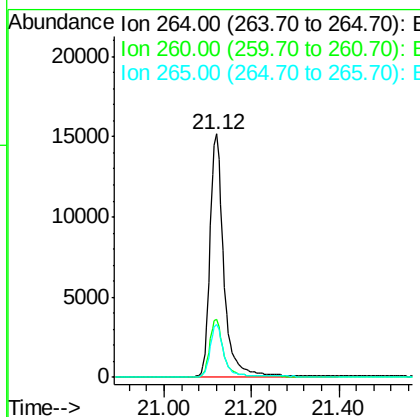
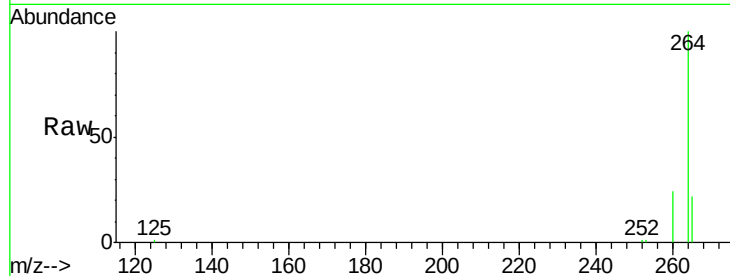




#21
Perylene-d12
 Concen: 5.00 ng
 RT: 21.12 min Scan# 3686
 Delta R.T. -0.00 min
 Lab File: BE089339.D
 Acq: 7 Jan 2015 21:32

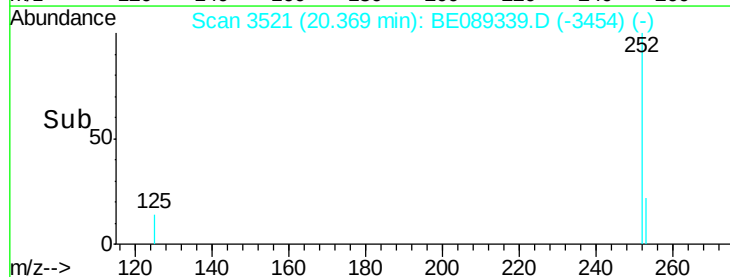
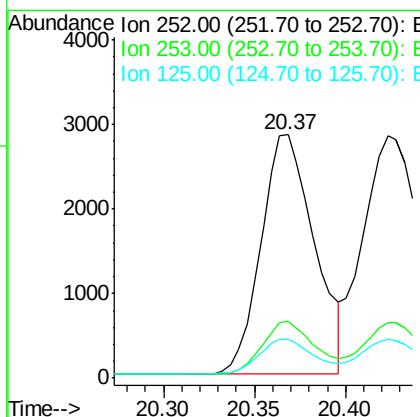
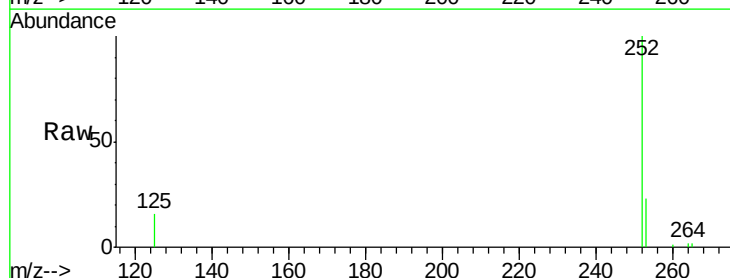
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

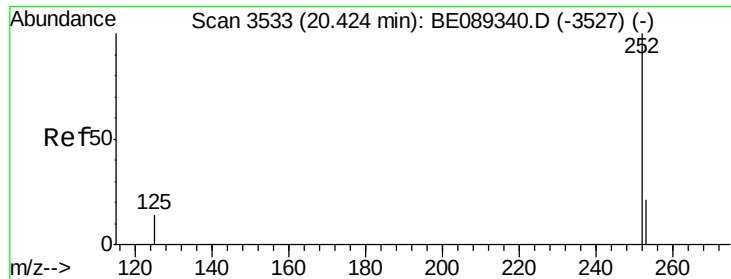
Tgt Ion: 264 Resp: 32891
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.9 28.3
 265 21.6 17.4 26.2



#22
Benzo(b)fluoranthene
 Concen: 0.89 ng
 RT: 20.37 min Scan# 3521
 Delta R.T. 0.00 min
 Lab File: BE089339.D
 Acq: 7 Jan 2015 21:32

Tgt Ion: 252 Resp: 5813
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.8 26.6
 125 16.0 12.6 18.8





#23

Benzo(k)fluoranthene

Concen: 0.91 ng

RT: 20.42 min Scan# 3533

Delta R.T. -0.00 min

Lab File: BE089339.D

Acq: 7 Jan 2015 21:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

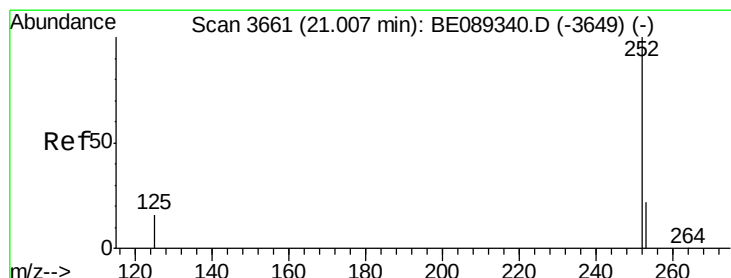
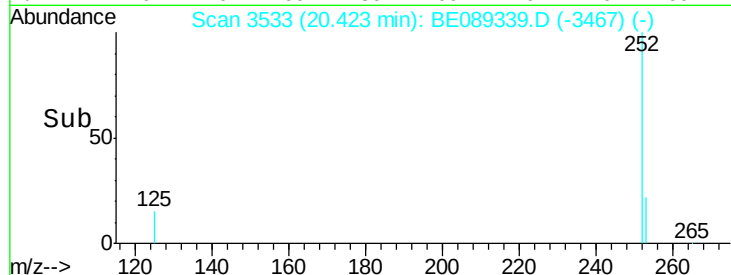
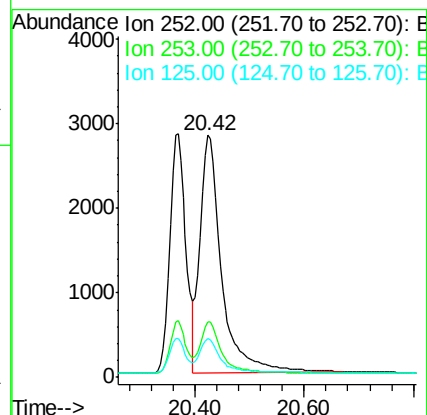
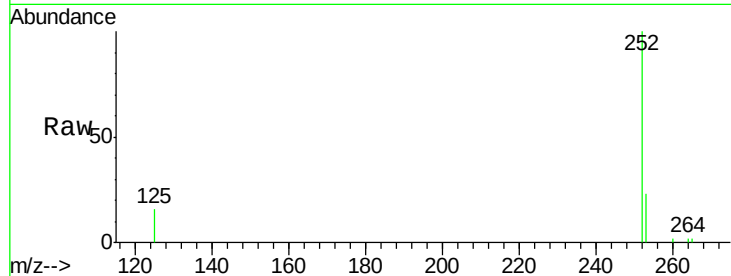
Tgt Ion:252 Resp: 7630

Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

125 16.1 12.4 18.6



#24

Benzo(a)pyrene

Concen: 0.93 ng

RT: 21.01 min Scan# 3661

Delta R.T. -0.00 min

Lab File: BE089339.D

Acq: 7 Jan 2015 21:32

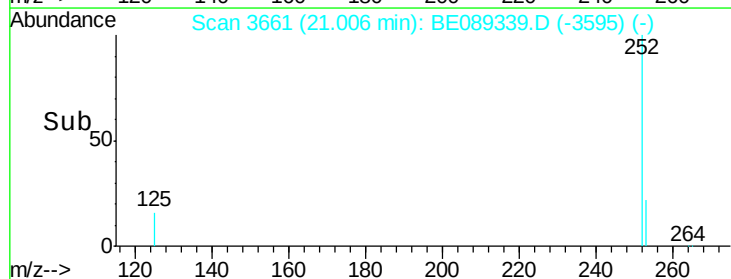
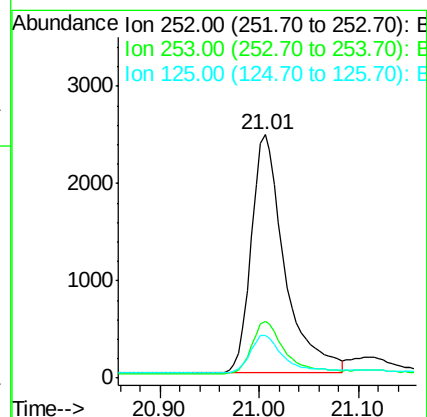
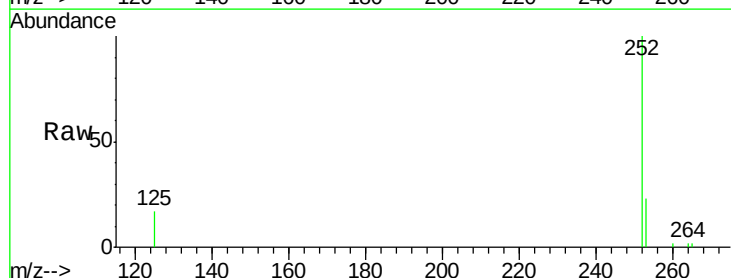
Tgt Ion:252 Resp: 5775

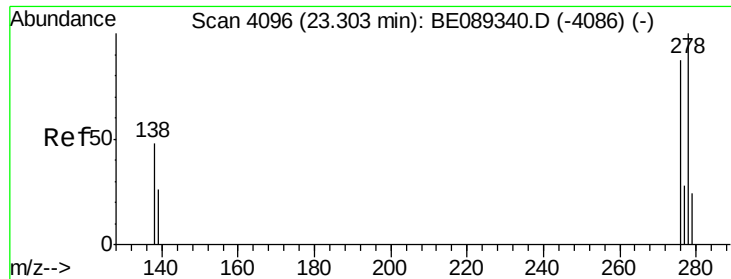
Ion Ratio Lower Upper

252 100

253 23.1 18.3 27.5

125 17.3 13.8 20.8

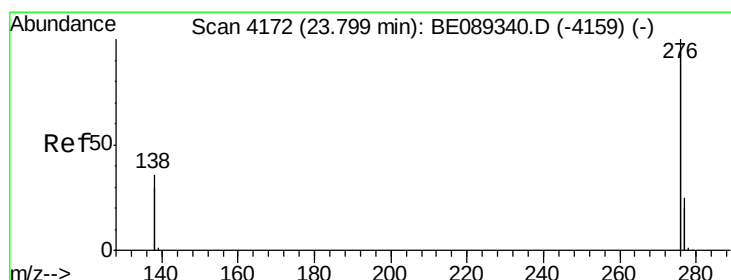
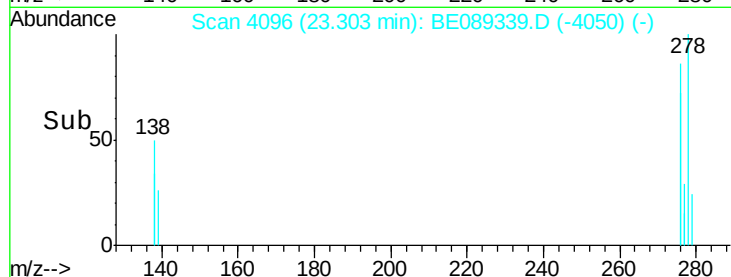
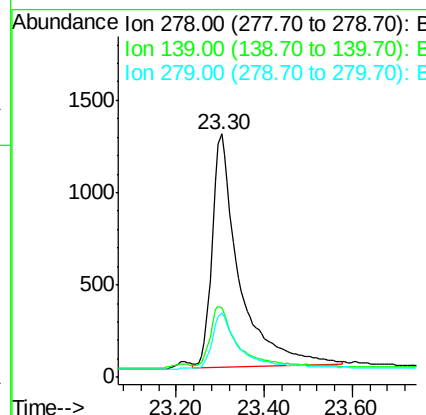
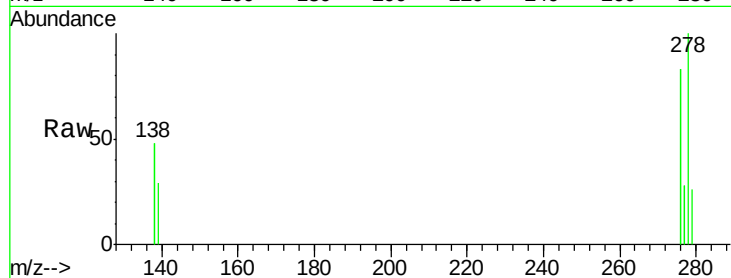




#25
Dibenzo(a,h)anthracene
Concen: 0.83 ng
RT: 23.30 min Scan# 4096
Delta R.T. -0.00 min
Lab File: BE089339.D
Acq: 7 Jan 2015 21:32

Instrument :
BNA_E
LabSampleId :
SSTDICC0.8

Tgt Ion: 278 Resp: 5378
Ion Ratio Lower Upper
278 100
139 28.5 22.9 34.3
279 26.3 20.8 31.2



#26
Benzo(g,h,i)perylene
Concen: 0.92 ng
RT: 23.80 min Scan# 4173
Delta R.T. 0.01 min
Lab File: BE089339.D
Acq: 7 Jan 2015 21:32

Tgt Ion: 276 Resp: 27096
Ion Ratio Lower Upper
276 100
277 25.5 20.0 30.0
138 35.5 28.5 42.7

