

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020515\
 Data File : BE089501.D
 Acq On : 5 Feb 2015 12:01
 Operator : TP/IZ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005

Quant Time: Feb 06 02:48:23 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 02:40:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.49	152	28909	5.00	ng	0.00
2) Naphthalene-d8	12.40	136	120078	5.00	ng	0.00
6) Acenaphthene-d10	16.59	164	57584	5.00	ng	0.00
11) Phenanthrene-d10	19.90	188	110666	5.00	ng	0.00
16) Chrysene-d12	23.77	240	120459	5.00	ng	0.00
22) Perylene-d12	25.46	264	117266	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.76	82	47256	5.16	ng	0.00
7) 2-Fluorobiphenyl	15.03	172	84171	4.64	ng	0.00
18) Terphenyl-d14	22.40	244	101687	4.85	ng	0.00

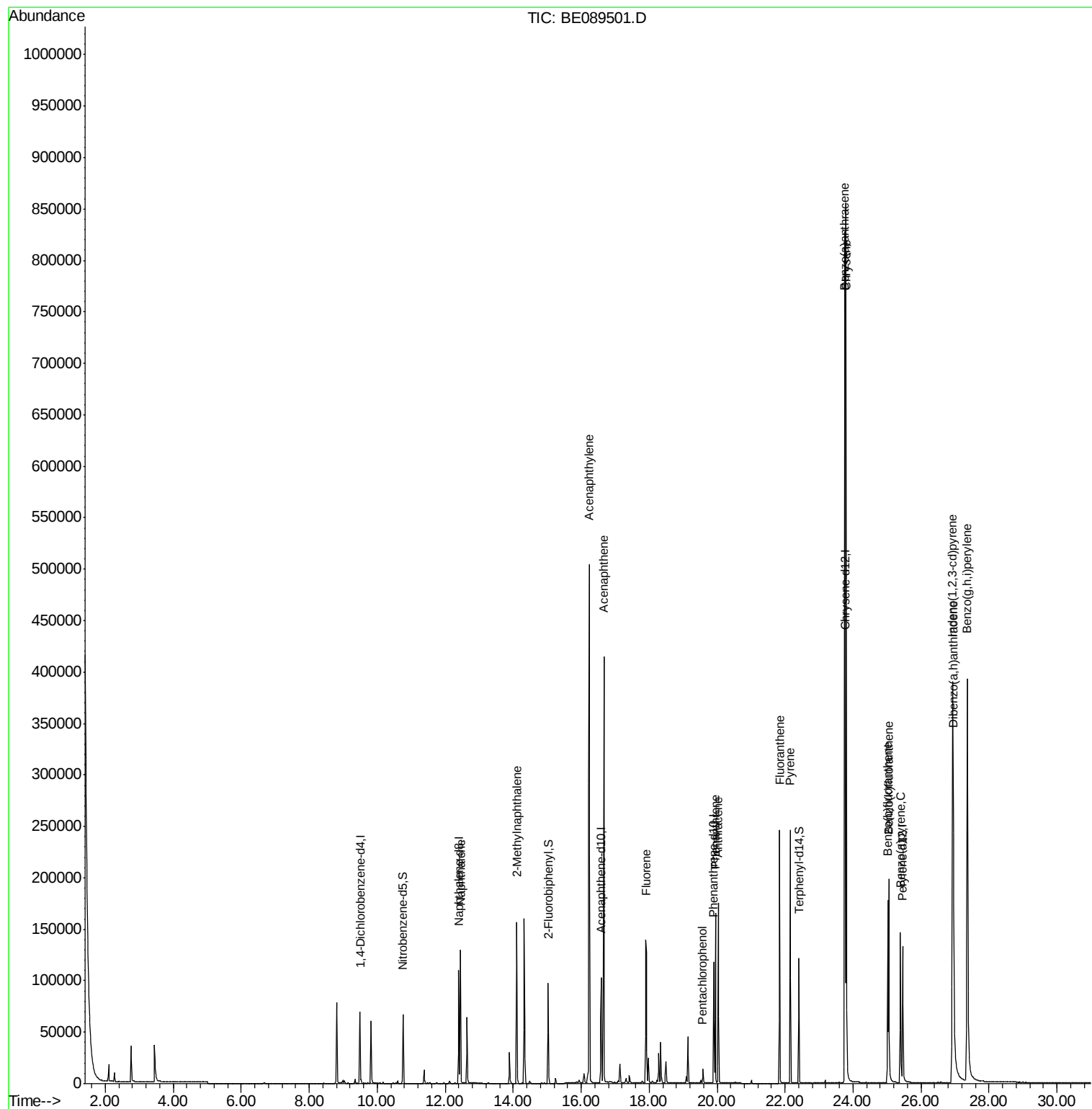
Target Compounds				Qvalue		
4) Naphthalene	12.45	128	143543	4.75	ng	99
5) 2-Methylnaphthalene	14.11	142	95923	4.84	ng	100
8) Acenaphthylene	16.24	152	611313	4.95	ng	100
9) Acenaphthene	16.66	154	88061	4.64	ng	99
10) Fluorene	17.91	166	102926	4.87	ng	99
12) Pentachlorophenol	19.58	266	7245	6.66	ng	94
13) Phenanthrene	19.95	178	156838	4.67	ng	99
14) Anthracene	20.04	178	153262	5.10	ng	100
15) Fluoranthene	21.84	202	160761	5.01	ng	100
17) Pyrene	22.15	202	167759	4.87	ng	100
19) Benzo(a)anthracene	23.75	228	637936	4.83	ng	97
20) Chrysene	23.79	228	630076	4.64	ng	97
21) Indeno(1,2,3-cd)pyrene	26.93	276	727501	5.15	ng	99
23) Benzo(b)fluoranthene	25.02	252	150749	5.53	ng	99
24) Benzo(k)fluoranthene	25.05	252	177270	4.74	ng	99
25) Benzo(a)pyrene	25.39	252	152068	5.50	ng	99
26) Dibenzo(a,h)anthracene	26.95	278	156043	5.29	ng	99
27) Benzo(g,h,i)perylene	27.36	276	592779	4.92	ng	99

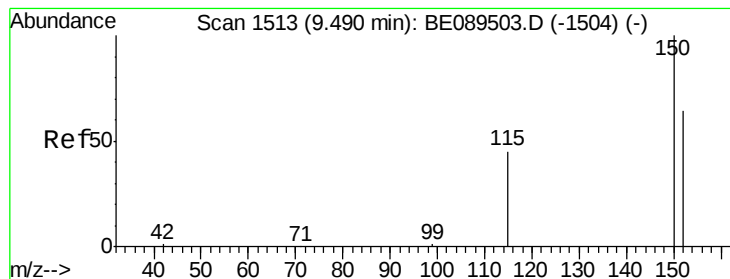
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020515\
Data File : BE089501.D
Acq On : 5 Feb 2015 12:01
Operator : TP/IZ
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDICC005

Quant Time: Feb 06 02:48:23 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 02:40:17 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.49 min Scan# 1514

Delta R.T. 0.00 min

Lab File: BE089501.D

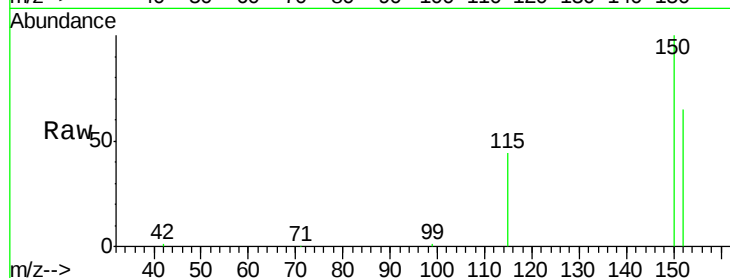
Acq: 5 Feb 2015 12:01

Instrument :

BNA_E

LabSampleId :

SSTDIC005



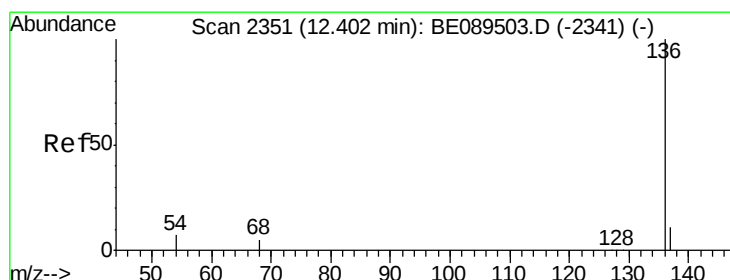
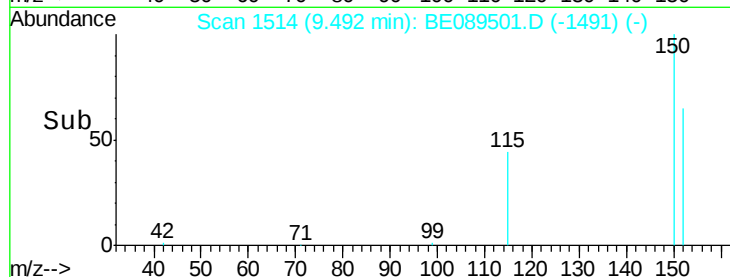
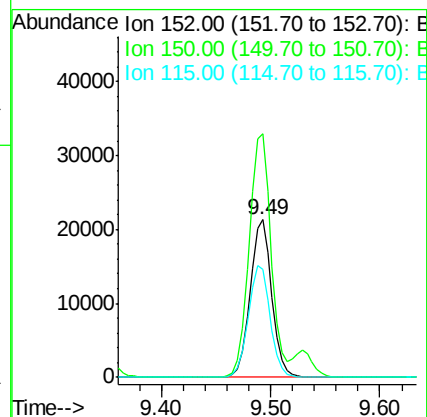
Tgt Ion:152 Resp: 28909

Ion Ratio Lower Upper

152 100

150 154.7 125.0 187.6

115 68.5 56.6 85.0



#2

Naphthalene-d8

Concen: 5.00 ng

RT: 12.40 min Scan# 2351

Delta R.T. 0.00 min

Lab File: BE089501.D

Acq: 5 Feb 2015 12:01

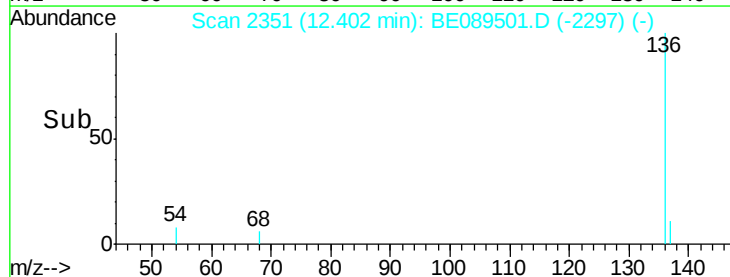
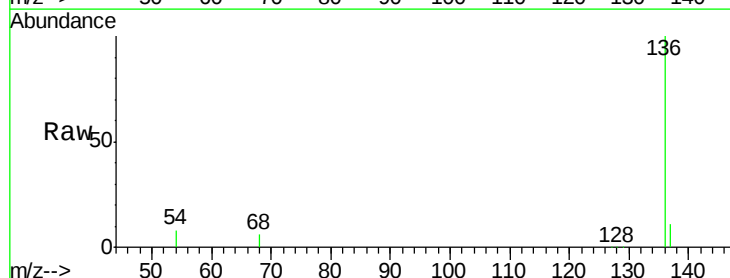
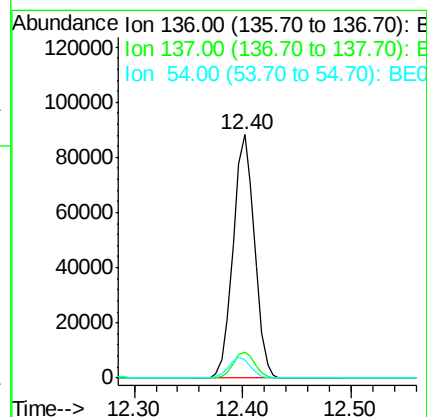
Tgt Ion:136 Resp: 120078

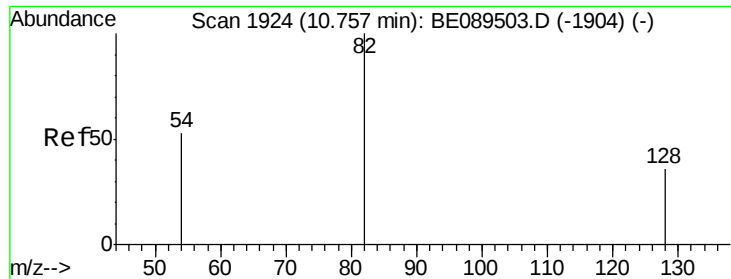
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 7.8 6.0 9.0





#3

Nitrobenzene-d5

Concen: 5.16 ng

RT: 10.76 min Scan# 1925

Delta R.T. 0.00 min

Lab File: BE089501.D

Acq: 5 Feb 2015 12:01

Instrument :

BNA_E

LabSampleId :

SSTDIC005

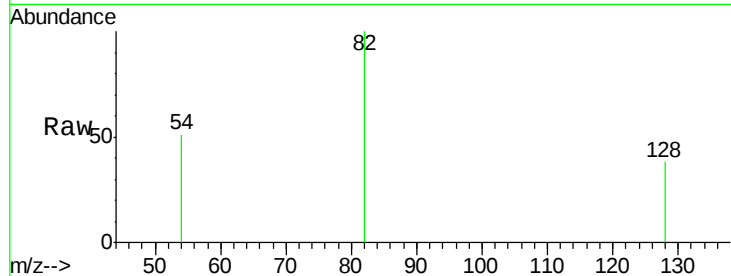
Tgt Ion: 82 Resp: 47256

Ion Ratio Lower Upper

82 100

128 38.2 29.3 43.9

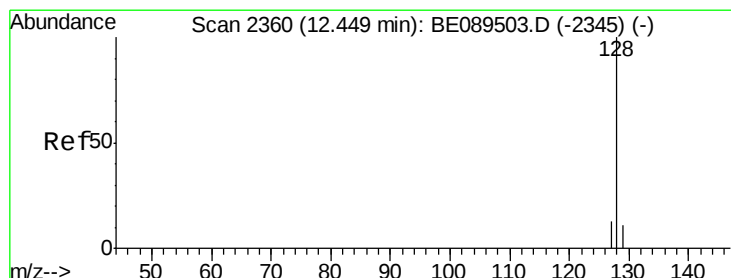
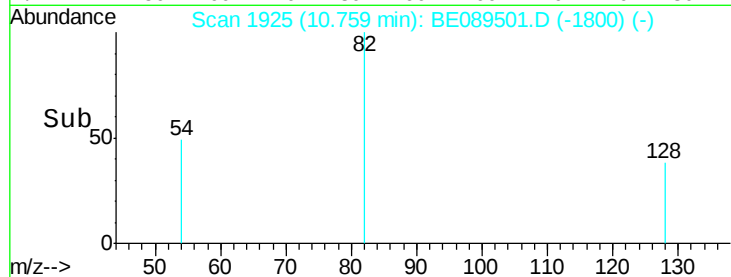
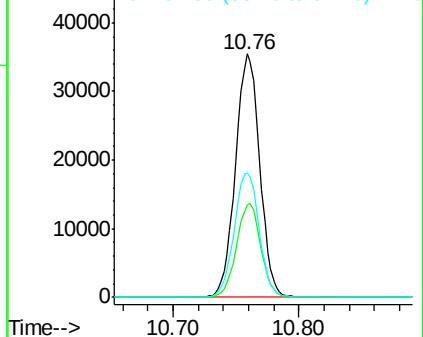
54 51.2 42.6 64.0



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#4

Naphthalene

Concen: 4.75 ng

RT: 12.45 min Scan# 2360

Delta R.T. 0.00 min

Lab File: BE089501.D

Acq: 5 Feb 2015 12:01

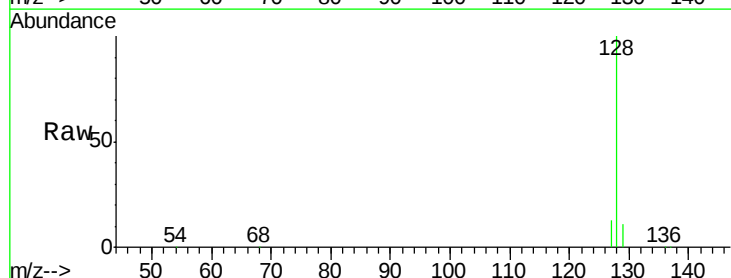
Tgt Ion: 128 Resp: 143543

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

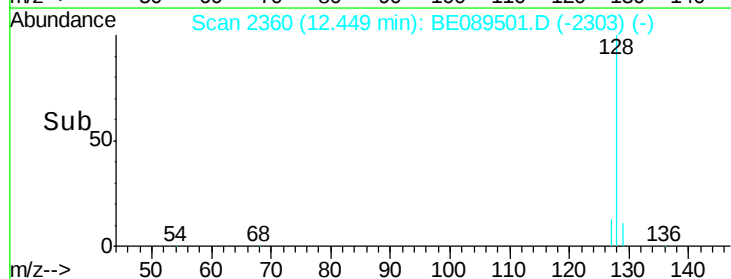
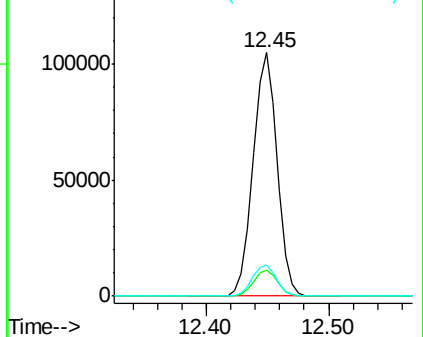
127 12.8 10.3 15.5



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: 4.84 ng

RT: 14.11 min Scan# 2694

Delta R.T. 0.00 min

Lab File: BE089501.D

Acq: 5 Feb 2015 12:01

Instrument :

BNA_E

LabSampleId :

SSTDICC005

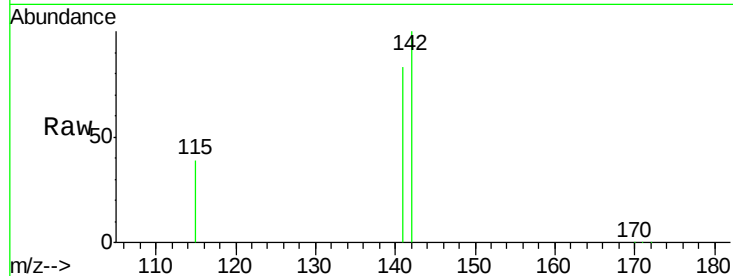
Tgt Ion:142 Resp: 95923

Ion Ratio Lower Upper

142 100

141 83.3 66.3 99.5

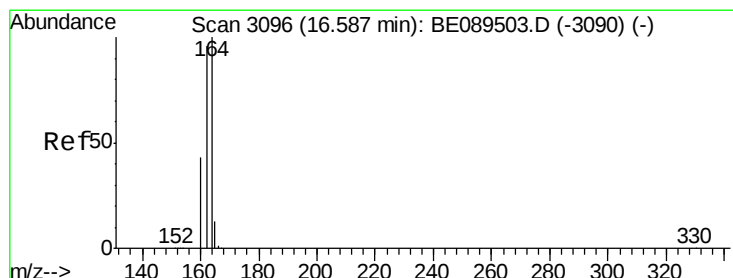
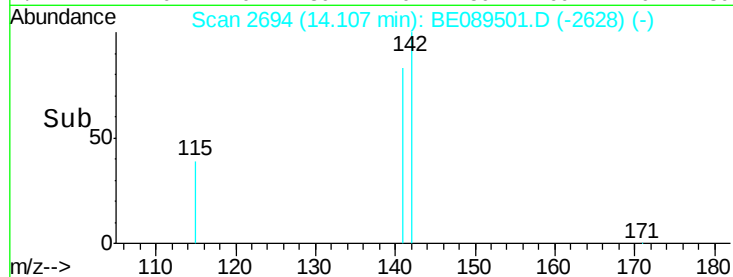
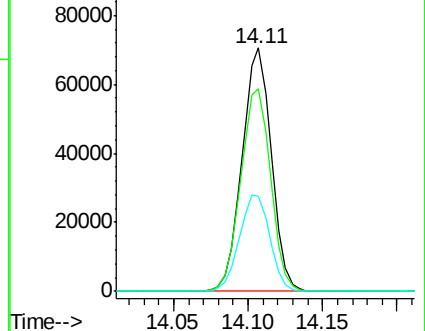
115 39.2 31.1 46.7



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: 16.59 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BE089501.D

Acq: 5 Feb 2015 12:01

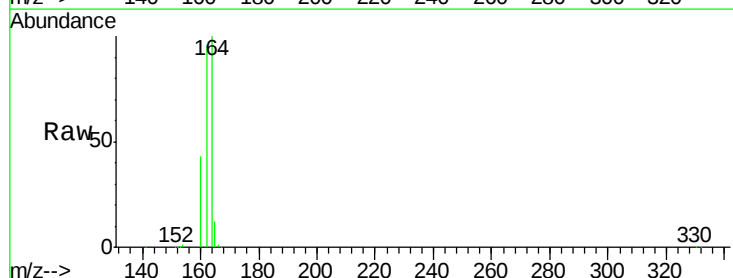
Tgt Ion:164 Resp: 57584

Ion Ratio Lower Upper

164 100

162 95.7 76.6 115.0

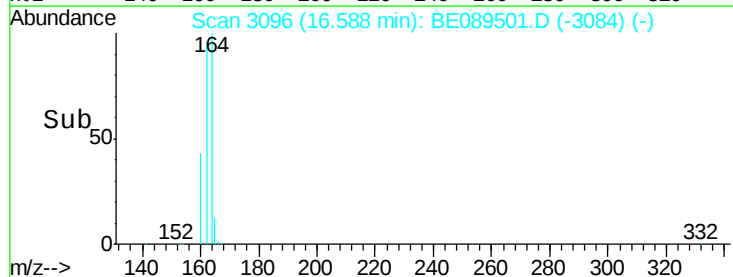
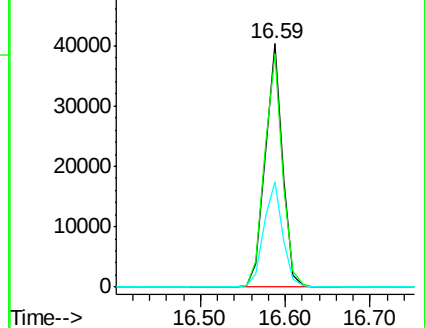
160 43.1 34.6 52.0



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: 4.64 ng

RT: 15.03 min Scan# 2897

Delta R.T. 0.00 min

Lab File: BE089501.D

Acq: 5 Feb 2015 12:01

Instrument :

BNA_E

LabSampleId :

SSTDIC005

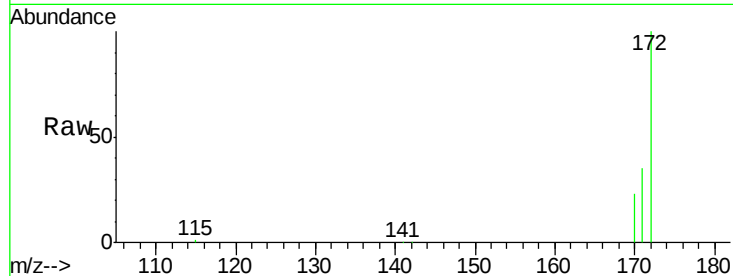
Tgt Ion:172 Resp: 84171

Ion Ratio Lower Upper

172 100

171 34.7 27.4 41.0

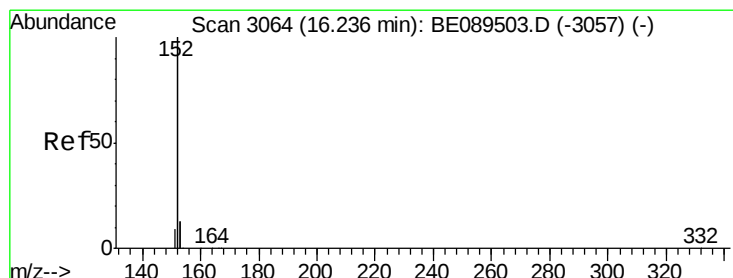
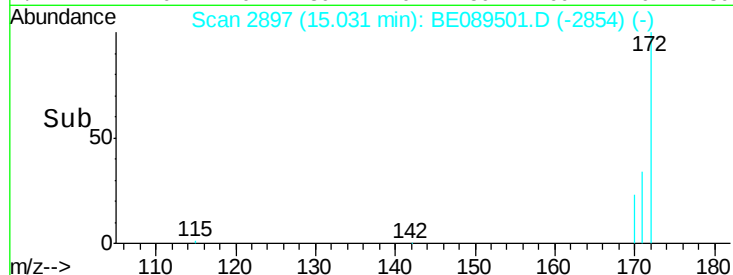
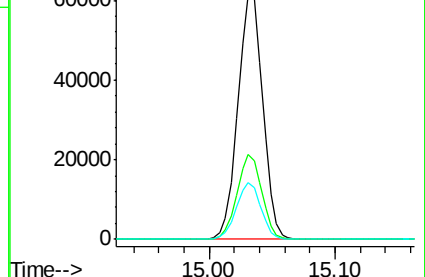
170 23.5 18.4 27.6



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: 4.95 ng

RT: 16.24 min Scan# 3064

Delta R.T. 0.00 min

Lab File: BE089501.D

Acq: 5 Feb 2015 12:01

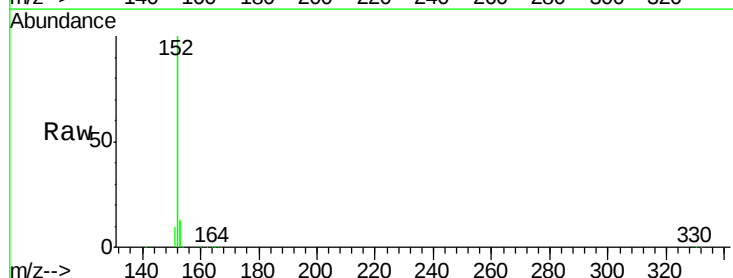
Tgt Ion:152 Resp: 611313

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

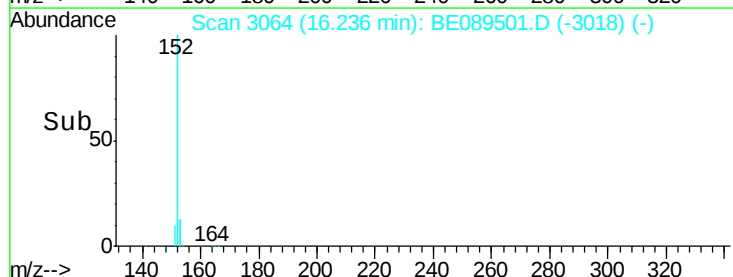
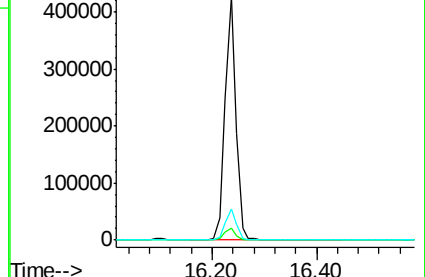
153 12.9 10.4 15.6

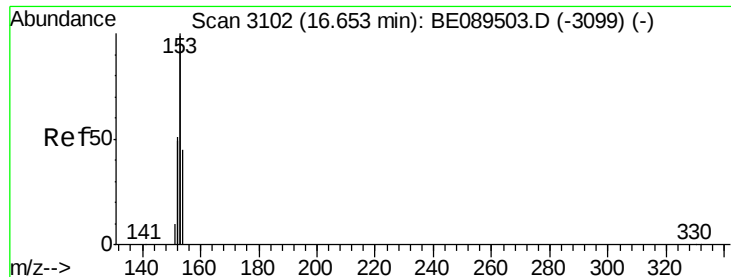


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 4.64 ng

RT: 16.66 min Scan# 3103

Delta R.T. 0.01 min

Lab File: BE089501.D

Acq: 5 Feb 2015 12:01

Instrument :

BNA_E

LabSampleId :

SSTDIC005

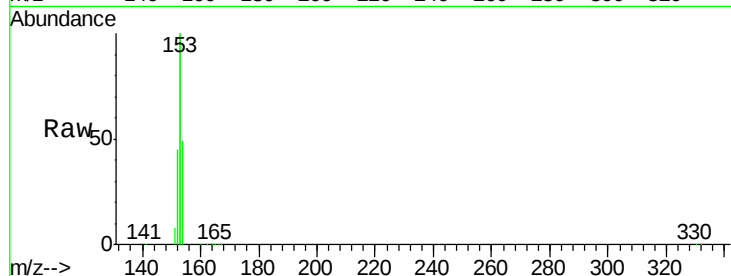
Tgt Ion:154 Resp: 88061

Ion Ratio Lower Upper

154 100

153 430.6 341.5 512.3

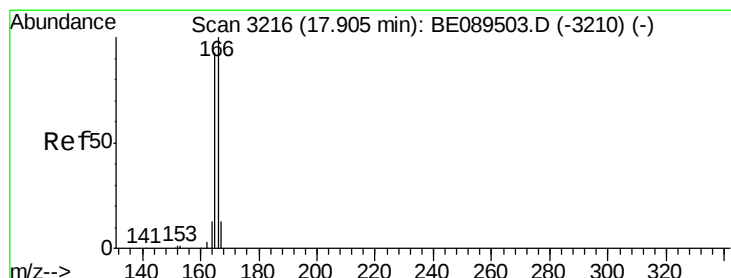
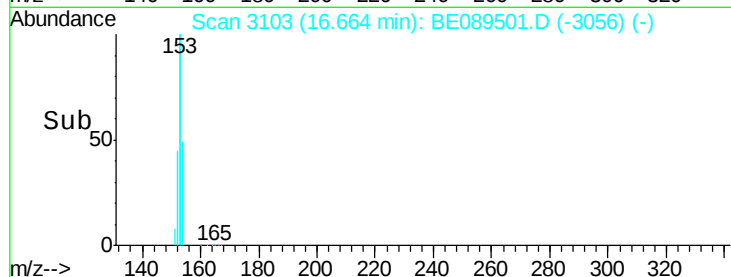
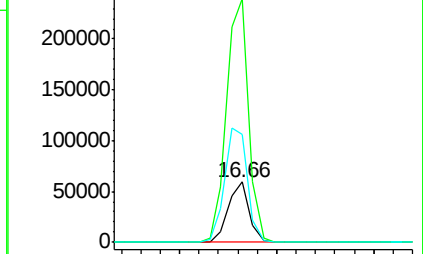
152 208.1 166.6 249.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#10

Fluorene

Concen: 4.87 ng

RT: 17.91 min Scan# 3216

Delta R.T. 0.00 min

Lab File: BE089501.D

Acq: 5 Feb 2015 12:01

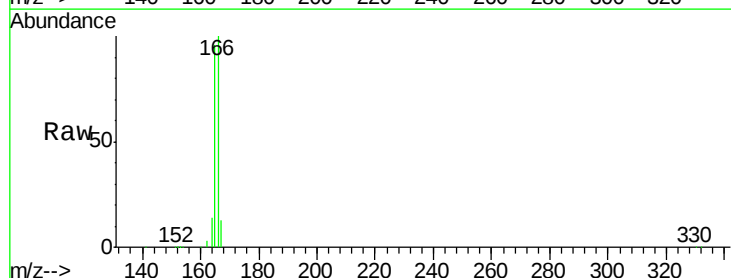
Tgt Ion:166 Resp: 102926

Ion Ratio Lower Upper

166 100

165 93.0 73.6 110.4

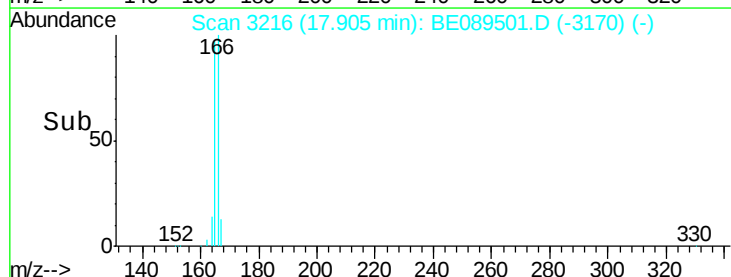
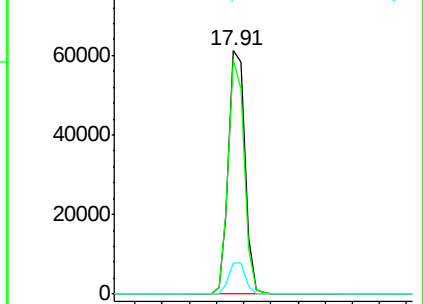
167 13.1 10.6 15.8

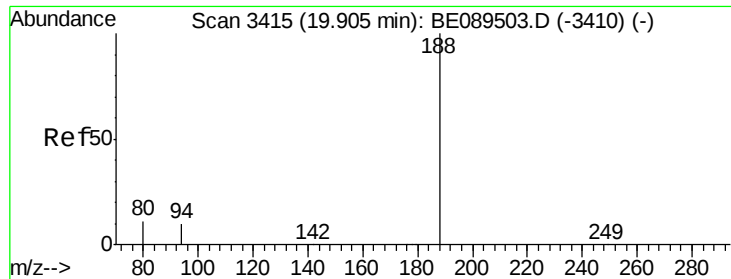


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

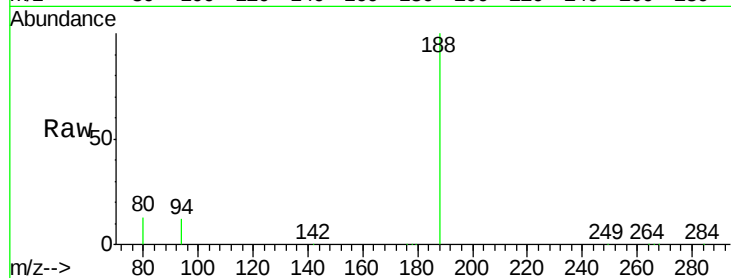




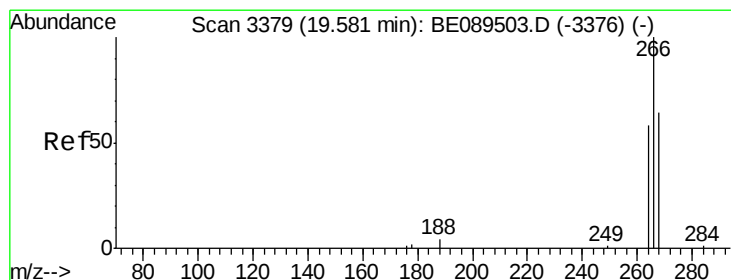
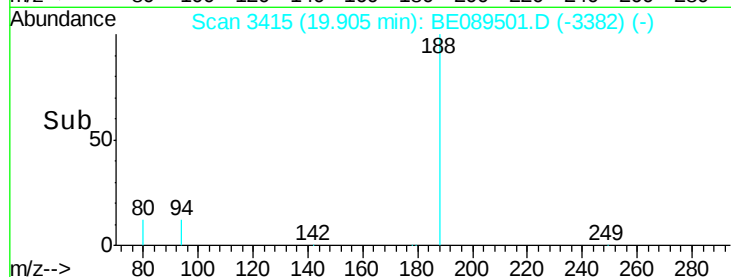
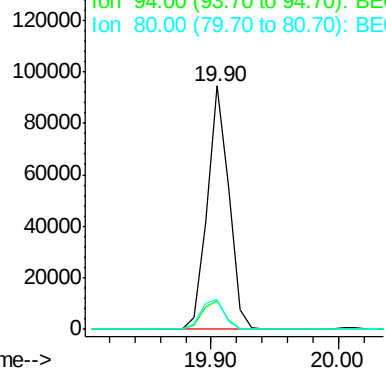
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.90 min Scan# 3415
Delta R.T. -0.00 min
Lab File: BE089501.D
Acq: 5 Feb 2015 12:01

Instrument :
BNA_E
LabSampleId :
SSTDIC005

Tgt Ion:188 Resp: 110666
Ion Ratio Lower Upper
188 100
94 12.0 8.2 12.4
80 12.5 8.7 13.1

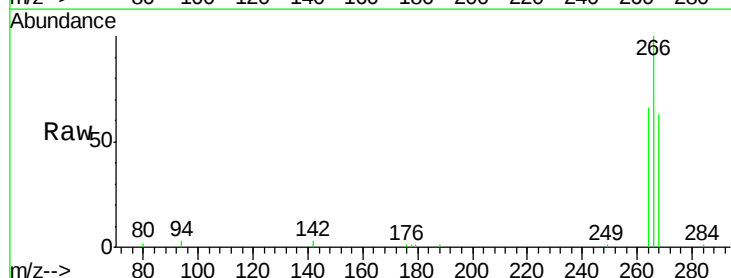


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

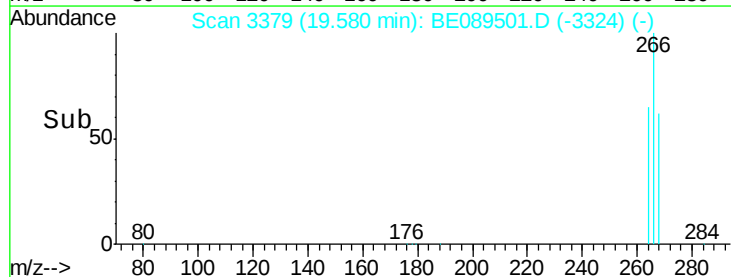
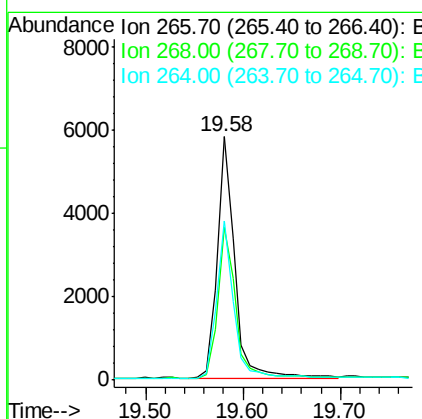


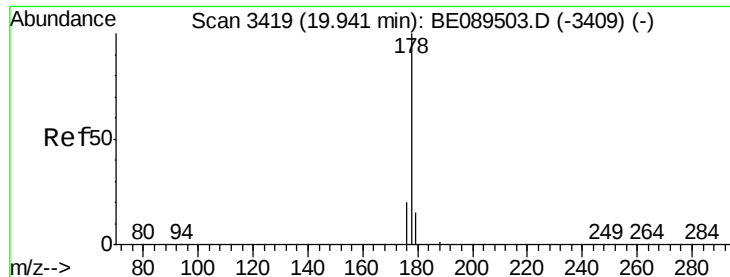
#12
Pentachlorophenol
Concen: 6.66 ng
RT: 19.58 min Scan# 3379
Delta R.T. -0.00 min
Lab File: BE089501.D
Acq: 5 Feb 2015 12:01

Tgt Ion:266 Resp: 7245
Ion Ratio Lower Upper
266 100
268 62.7 56.7 85.1
264 65.5 51.9 77.9



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

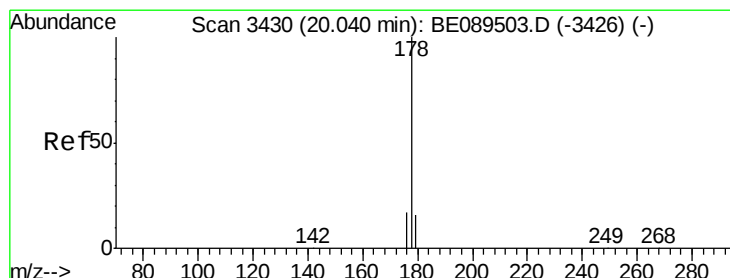
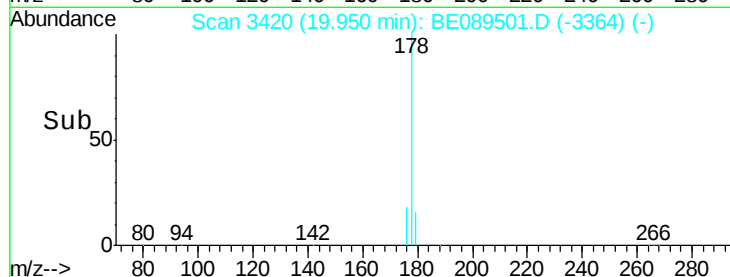
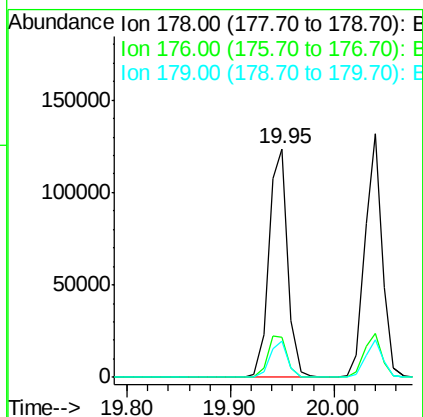
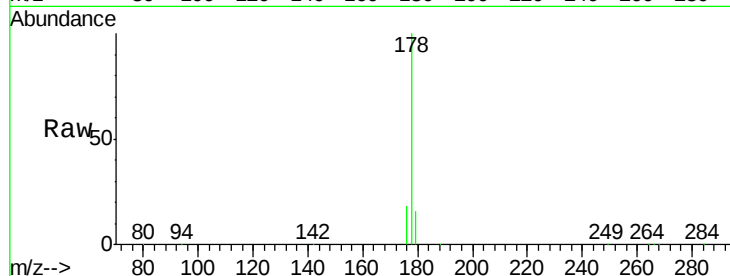




#13
Phenanthrene
Concen: 4.67 ng
RT: 19.95 min Scan# 3420
Delta R.T. 0.01 min
Lab File: BE089501.D
Acq: 5 Feb 2015 12:01

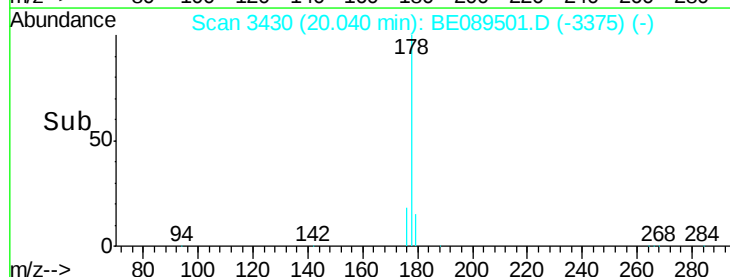
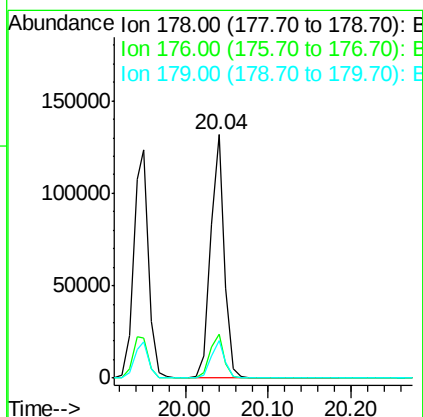
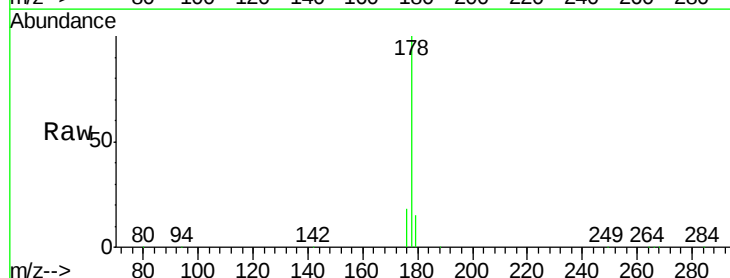
Instrument :
BNA_E
LabSampleId :
SSTDIC005

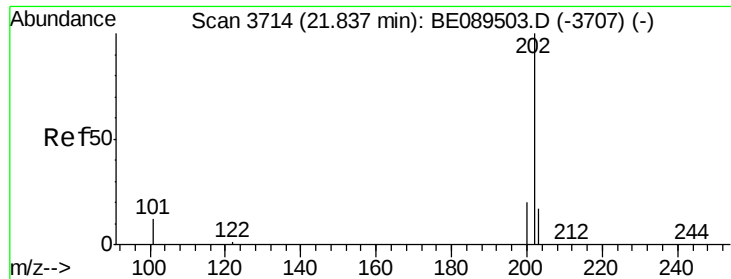
Tgt Ion:178 Resp: 156838
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.2 12.4 18.6



#14
Anthracene
Concen: 5.10 ng
RT: 20.04 min Scan# 3430
Delta R.T. -0.00 min
Lab File: BE089501.D
Acq: 5 Feb 2015 12:01

Tgt Ion:178 Resp: 153262
Ion Ratio Lower Upper
178 100
176 18.2 14.6 22.0
179 15.2 12.1 18.1

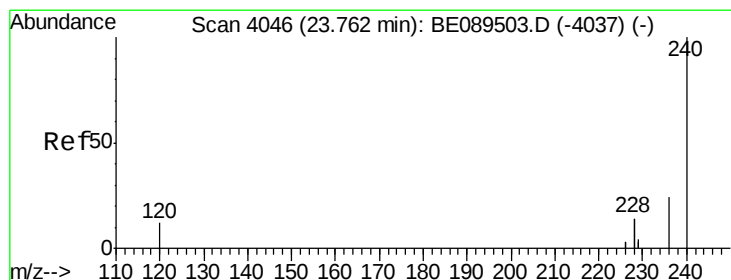
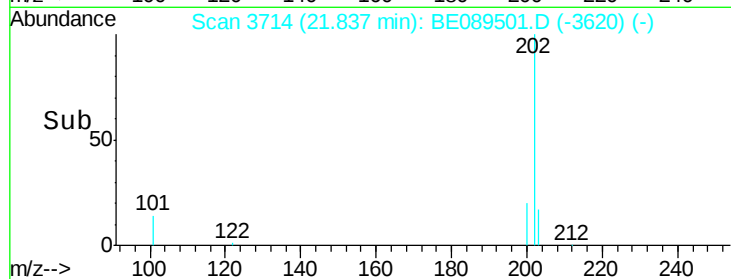
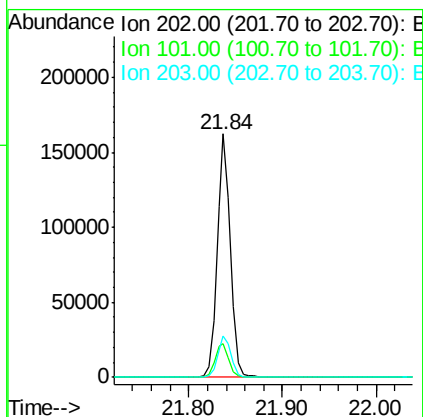
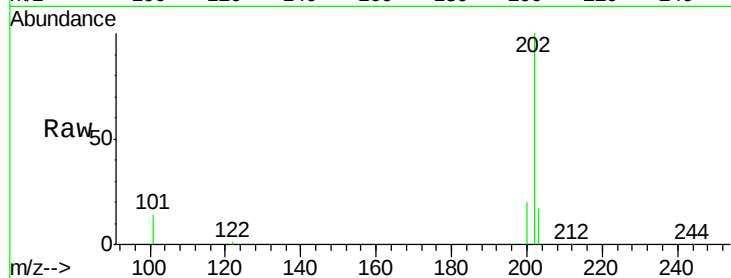




#15
 Fluoranthene
 Concen: 5.01 ng
 RT: 21.84 min Scan# 3714
 Delta R.T. 0.00 min
 Lab File: BE089501.D
 Acq: 5 Feb 2015 12:01

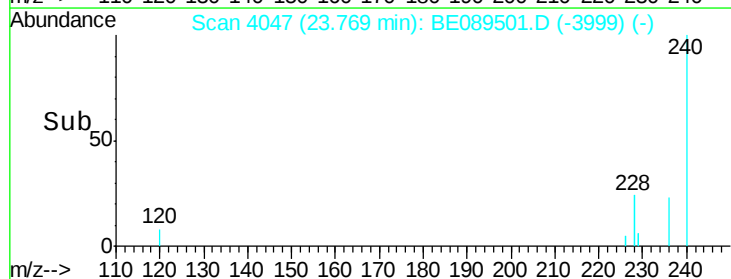
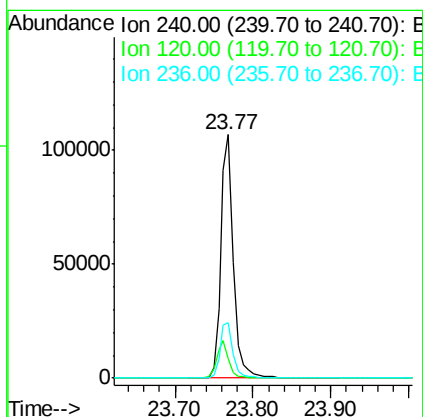
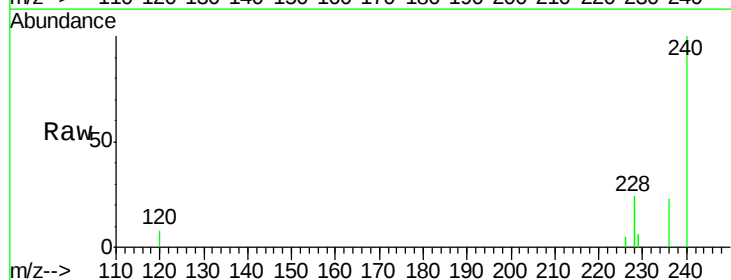
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005

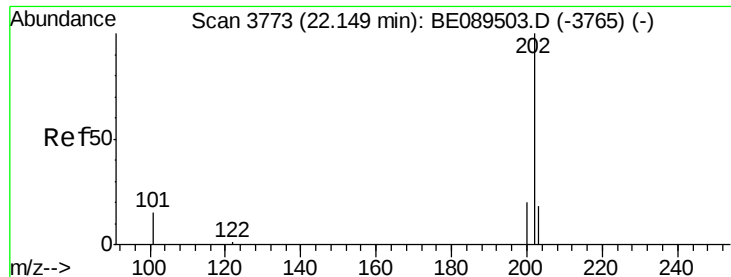
Tgt Ion: 202 Resp: 160761
 Ion Ratio Lower Upper
 202 100
 101 14.3 11.3 16.9
 203 17.2 13.8 20.6



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.77 min Scan# 4047
 Delta R.T. 0.01 min
 Lab File: BE089501.D
 Acq: 5 Feb 2015 12:01

Tgt Ion: 240 Resp: 120459
 Ion Ratio Lower Upper
 240 100
 120 8.1 9.6 14.4#
 236 22.8 19.4 29.2

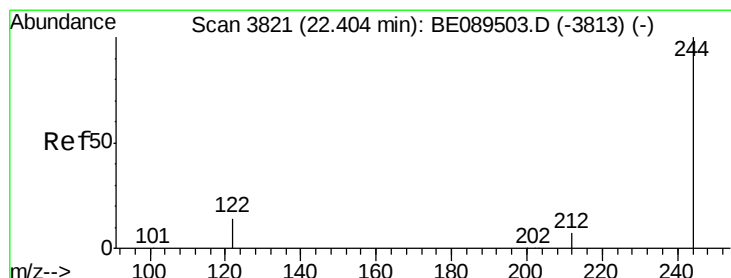
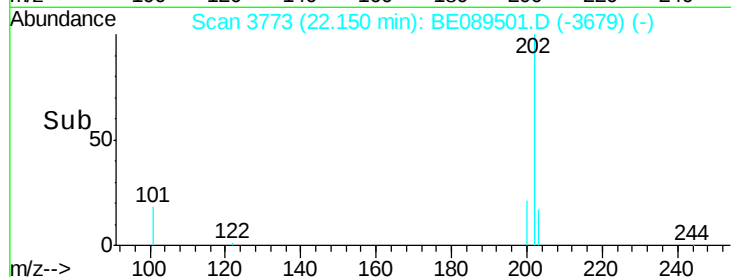
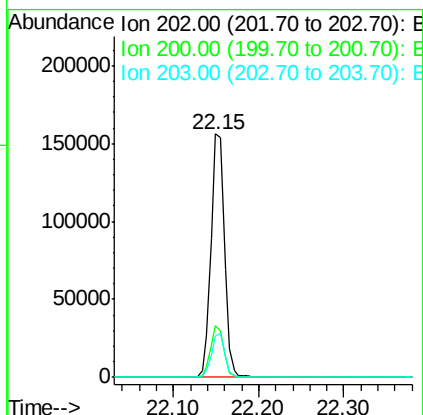
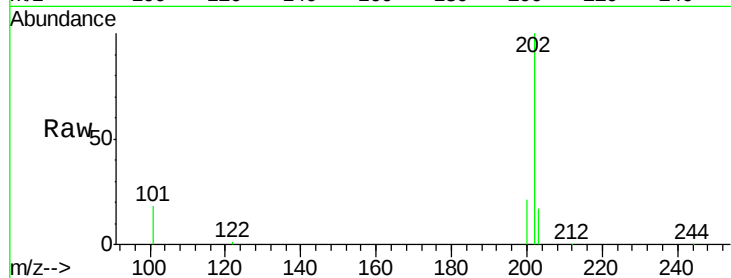




#17
 Pyrene
 Concen: 4.87 ng
 RT: 22.15 min Scan# 3773
 Delta R.T. 0.00 min
 Lab File: BE089501.D
 Acq: 5 Feb 2015 12:01

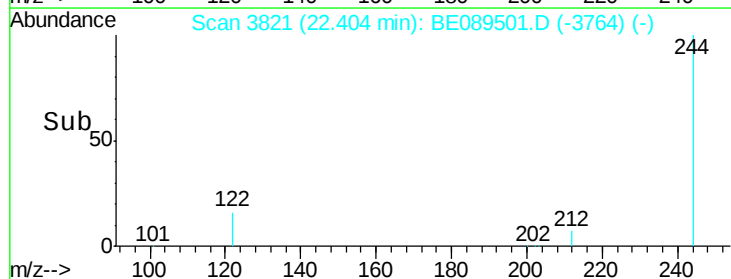
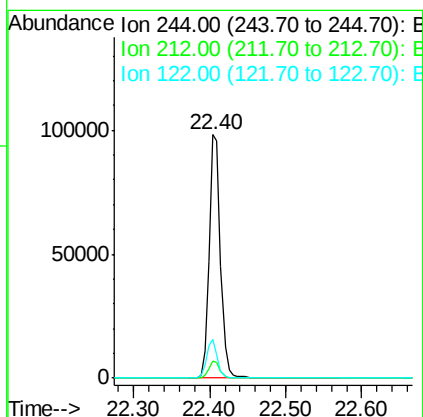
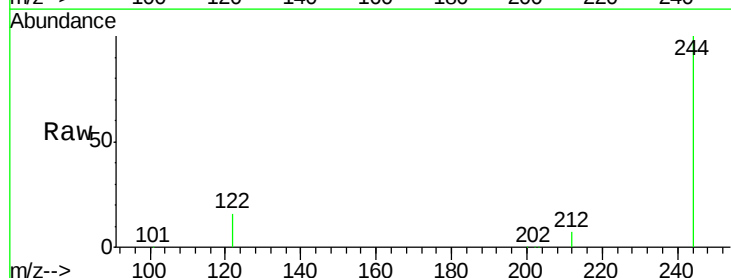
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005

Tgt Ion: 202 Resp: 167759
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.5 24.7
 203 17.5 14.0 21.0



#18
 Terphenyl-d14
 Concen: 4.85 ng
 RT: 22.40 min Scan# 3821
 Delta R.T. 0.00 min
 Lab File: BE089501.D
 Acq: 5 Feb 2015 12:01

Tgt Ion: 244 Resp: 101687
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.5 8.3
 122 16.0 11.1 16.7





#19

Benzo(a)anthracene

Concen: 4.83 ng

RT: 23.75 min Scan# 4044

Delta R.T. 0.00 min

Lab File: BE089501.D

Acq: 5 Feb 2015 12:01

Instrument :

BNA_E

LabSampleId :

SSTDIC005

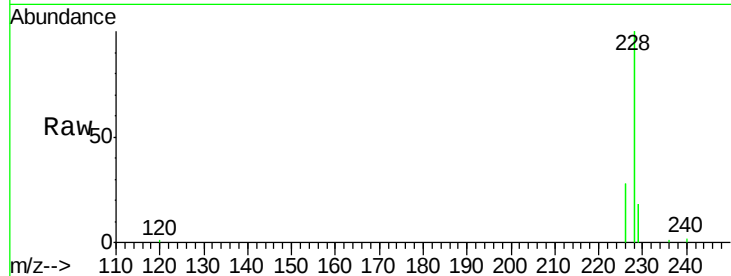
Tgt Ion:228 Resp: 637936

Ion Ratio Lower Upper

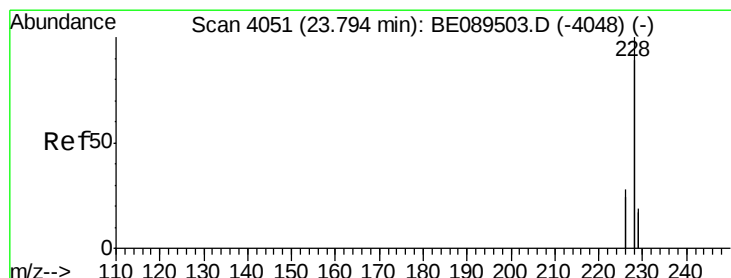
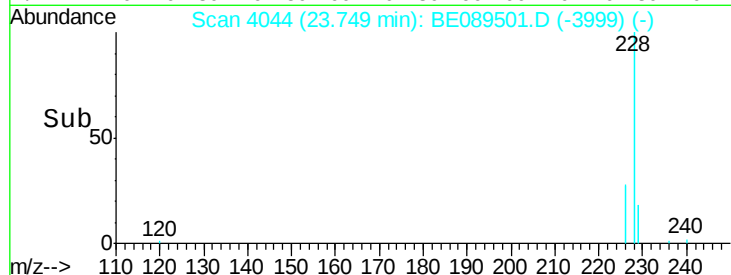
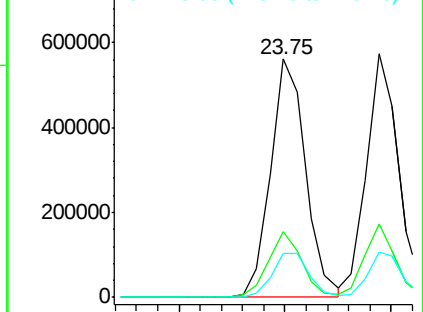
228 100

226 27.6 21.0 31.6

229 18.2 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: 4.64 ng

RT: 23.79 min Scan# 4051

Delta R.T. 0.00 min

Lab File: BE089501.D

Acq: 5 Feb 2015 12:01

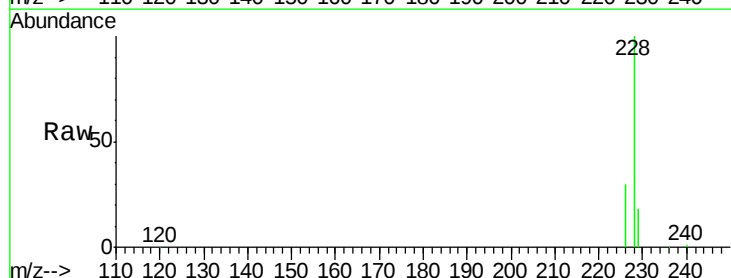
Tgt Ion:228 Resp: 630076

Ion Ratio Lower Upper

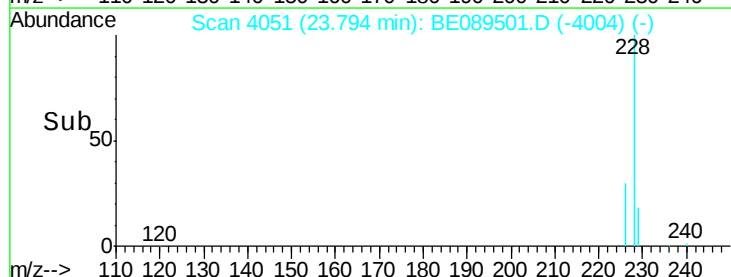
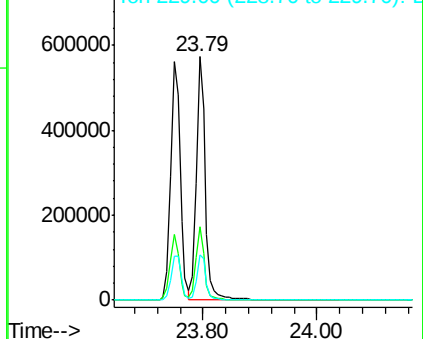
228 100

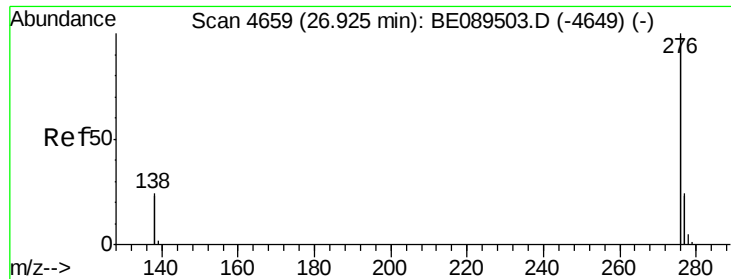
226 30.2 22.3 33.5

229 18.3 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: 5.15 ng

RT: 26.93 min Scan# 4659

Delta R.T. -0.00 min

Lab File: BE089501.D

Acq: 5 Feb 2015 12:01

Instrument :

BNA_E

LabSampleId :

SSTDIC005

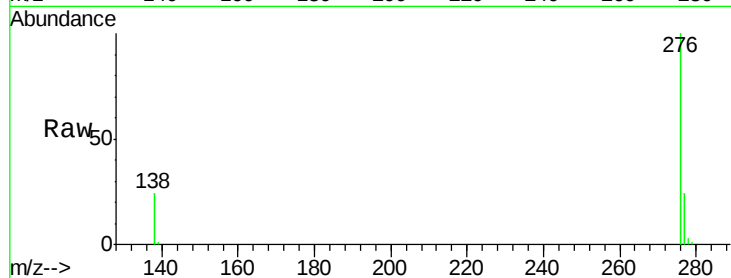
Tgt Ion:276 Resp: 727501

Ion Ratio Lower Upper

276 100

138 28.8 23.2 34.8

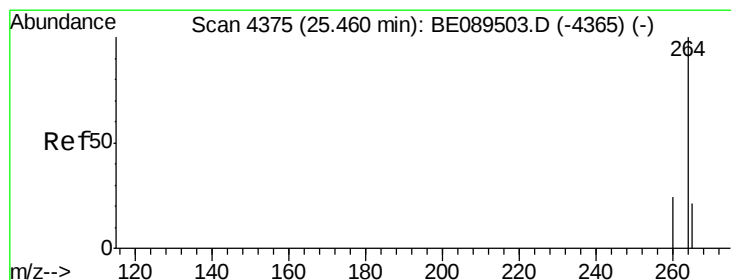
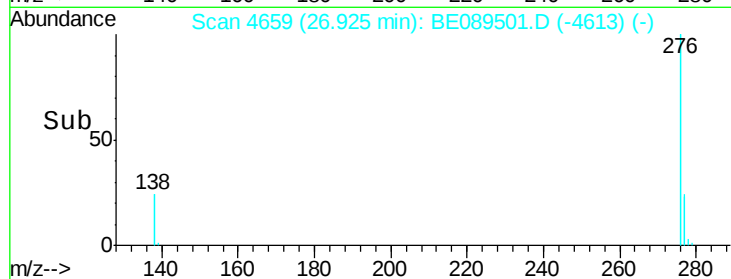
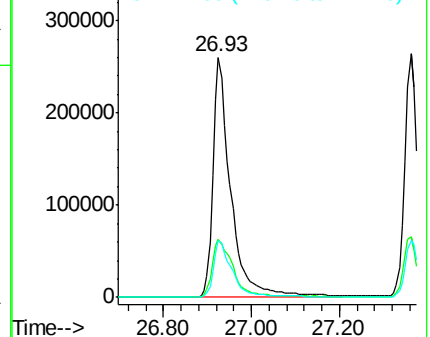
277 25.1 19.8 29.6



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: 25.46 min Scan# 4375

Delta R.T. 0.00 min

Lab File: BE089501.D

Acq: 5 Feb 2015 12:01

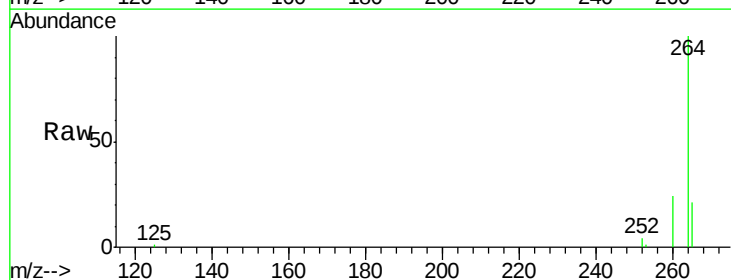
Tgt Ion:264 Resp: 117266

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

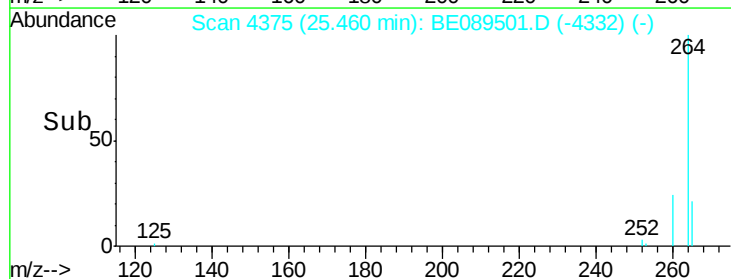
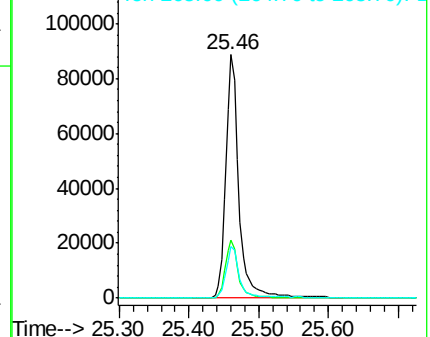
265 21.3 17.0 25.6



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

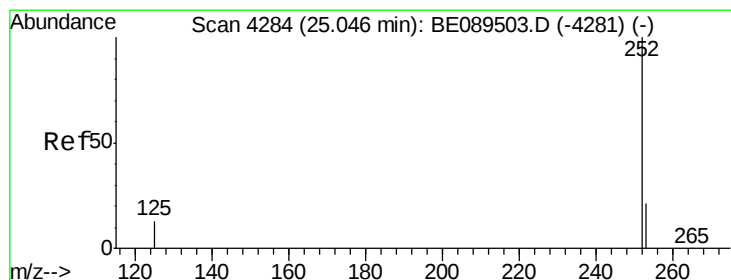
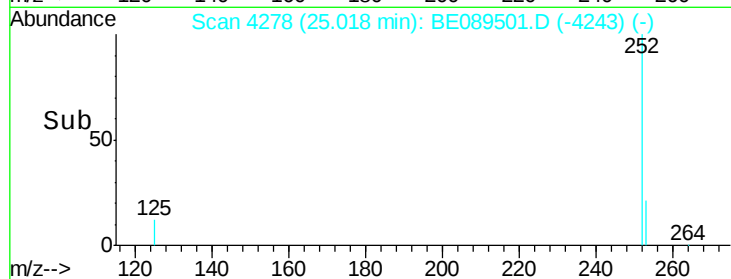
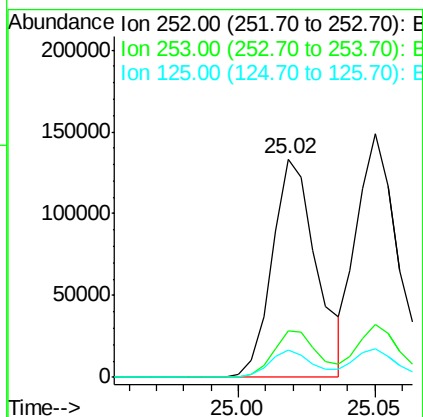
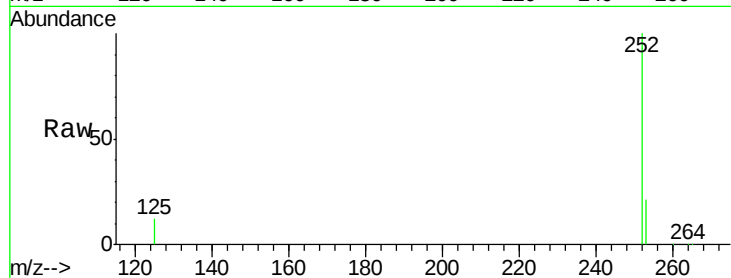




#23
Benzo(b)fluoranthene
Concen: 5.53 ng
RT: 25.02 min Scan# 4278
Delta R.T. 0.00 min
Lab File: BE089501.D
Acq: 5 Feb 2015 12:01

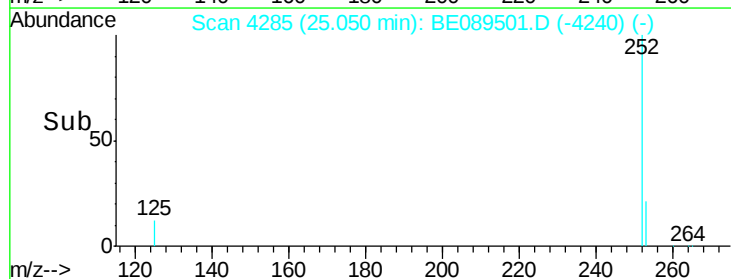
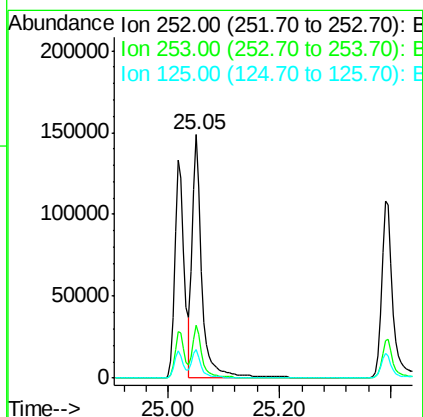
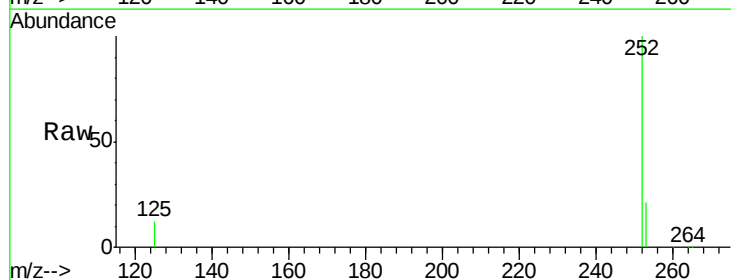
Instrument :
BNA_E
LabSampleId :
SSTDIC005

Tgt Ion: 252 Resp: 150749
Ion Ratio Lower Upper
252 100
253 21.2 17.4 26.0
125 12.5 9.6 14.4



#24
Benzo(k)fluoranthene
Concen: 4.74 ng
RT: 25.05 min Scan# 4285
Delta R.T. 0.00 min
Lab File: BE089501.D
Acq: 5 Feb 2015 12:01

Tgt Ion: 252 Resp: 177270
Ion Ratio Lower Upper
252 100
253 21.5 17.0 25.6
125 11.9 10.2 15.4





#25

Benzo(a)pyrene

Concen: 5.50 ng

RT: 25.39 min Scan# 4360

Delta R.T. 0.00 min

Lab File: BE089501.D

Acq: 5 Feb 2015 12:01

Instrument :

BNA_E

LabSampleId :

SSTDICC005

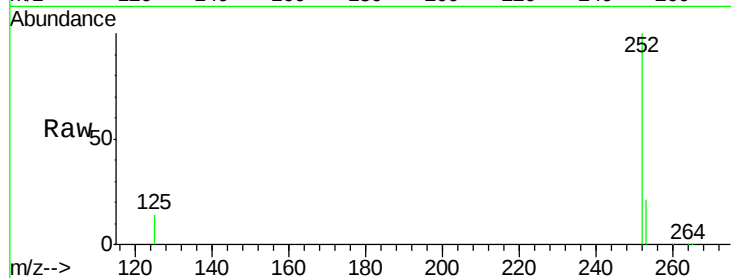
Tgt Ion:252 Resp: 152068

Ion Ratio Lower Upper

252 100

253 21.5 17.8 26.6

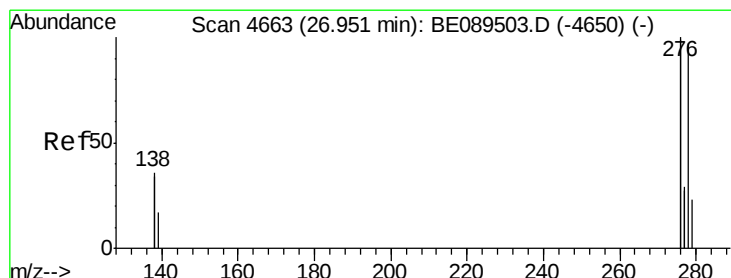
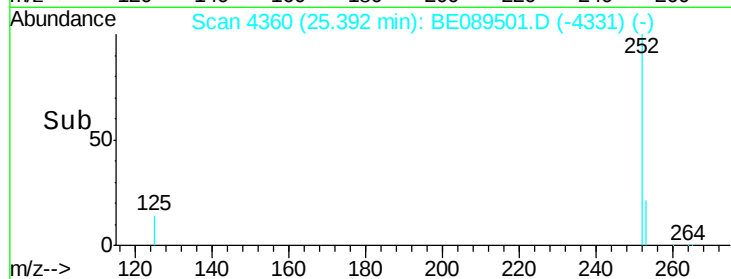
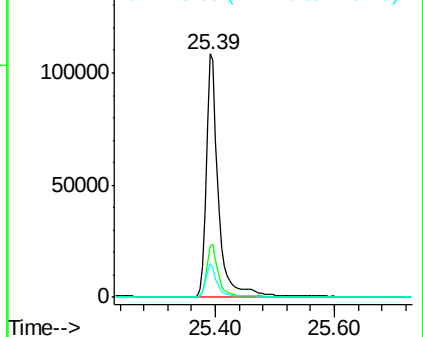
125 13.8 10.7 16.1



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: 5.29 ng

RT: 26.95 min Scan# 4663

Delta R.T. -0.00 min

Lab File: BE089501.D

Acq: 5 Feb 2015 12:01

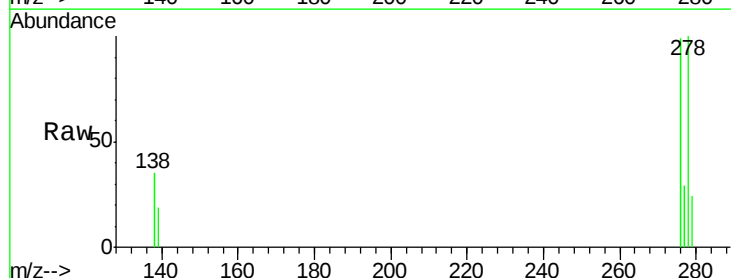
Tgt Ion:278 Resp: 156043

Ion Ratio Lower Upper

278 100

139 19.2 14.6 22.0

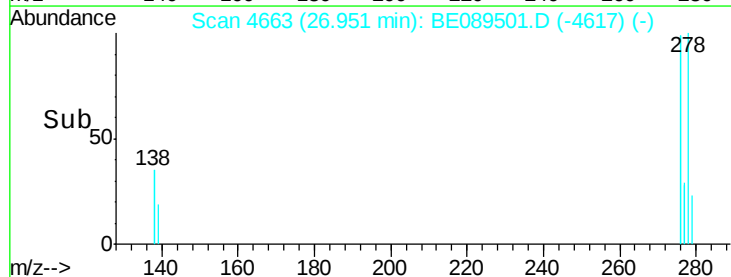
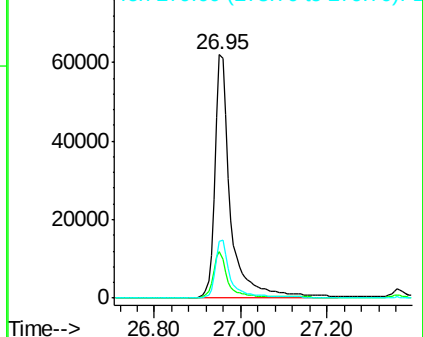
279 23.5 19.0 28.4



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: 4.92 ng

RT: 27.36 min Scan# 4726

Delta R.T. 0.01 min

Lab File: BE089501.D

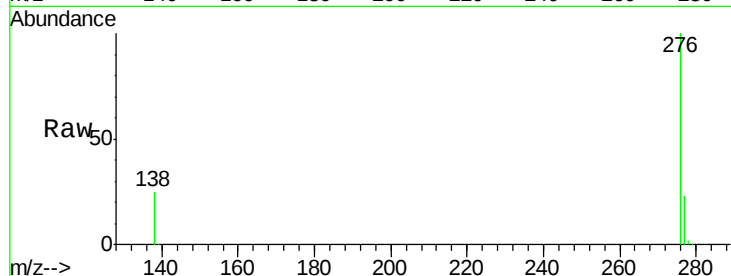
Acq: 5 Feb 2015 12:01

Instrument :

BNA_E

LabSampleId :

SSTDIC005



Tgt Ion: 276 Resp: 592779

Ion Ratio Lower Upper

276 100

277 23.3 18.6 28.0

138 24.8 20.8 31.2

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

