

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021015\
 Data File : BE089555.D
 Acq On : 10 Feb 2015 18:26
 Operator : TP/IZ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Quant Time: Feb 11 01:18:52 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE021015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 11 01:08:43 2015
 Response via : Initial Calibration

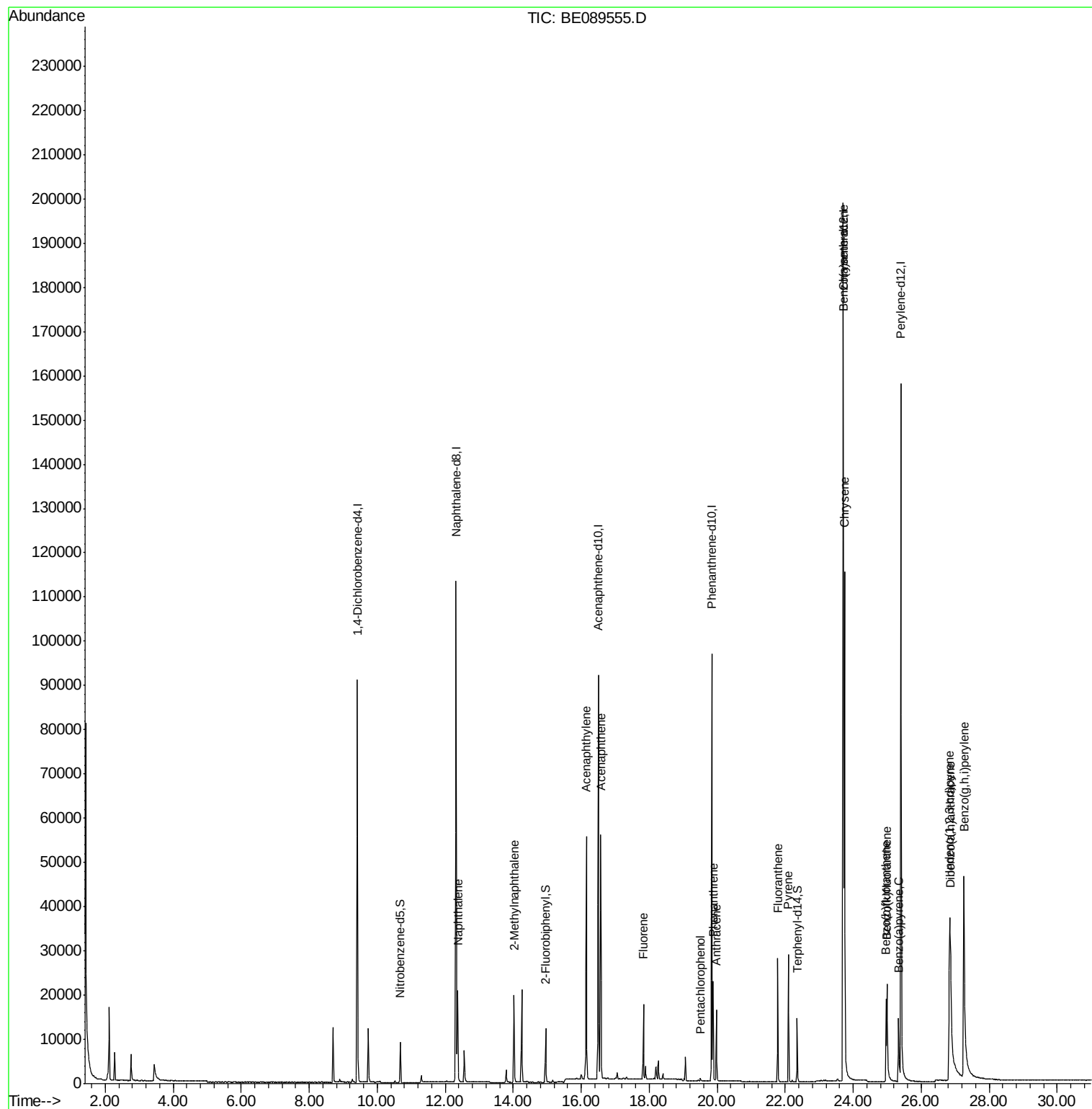
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.41	152	39394	5.00	ng	0.00
2) Naphthalene-d8	12.32	136	143251	5.00	ng	0.00
6) Acenaphthene-d10	16.50	164	55187	5.00	ng	0.00
11) Phenanthrene-d10	19.84	188	106594	5.00	ng	0.00
16) Chrysene-d12	23.71	240	135285	5.00	ng	0.00
22) Perylene-d12	25.40	264	143494	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.68	82	7036	0.82	ng	0.00
7) 2-Fluorobiphenyl	14.95	172	11402	0.85	ng	0.00
18) Terphenyl-d14	22.35	244	13272	0.73	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	12.37	128	24702	0.80	ng	99
5) 2-Methylnaphthalene	14.03	142	13632	0.76	ng	98
8) Acenaphthylene	16.15	152	72393	0.84	ng	100
9) Acenaphthene	16.58	154	11240	0.82	ng	98
10) Fluorene	17.83	166	12352	0.83	ng	99
12) Pentachlorophenol	19.51	266	434	0.15	ng	96
13) Phenanthrene	19.88	178	19916	0.83	ng	99
14) Anthracene	19.98	178	17080	0.83	ng	99
15) Fluoranthene	21.78	202	19416	0.90	ng	100
17) Pyrene	22.10	202	21516	0.75	ng	99
19) Benzo(a)anthracene	23.70	228	87114	0.82	ng	99
20) Chrysene	23.74	228	97611	0.84	ng	99
21) Indeno(1,2,3-cd)pyrene	26.84	276	101727	1.04	ng	99
23) Benzo(b)fluoranthene	24.97	252	17260	0.81	ng	99
24) Benzo(k)fluoranthene	25.00	252	28075	0.83	ng	99
25) Benzo(a)pyrene	25.33	252	17379	0.80	ng	99
26) Dibenzo(a,h)anthracene	26.86	278	21219	0.95	ng	97
27) Benzo(g,h,i)perylene	27.26	276	91174	0.91	ng	98

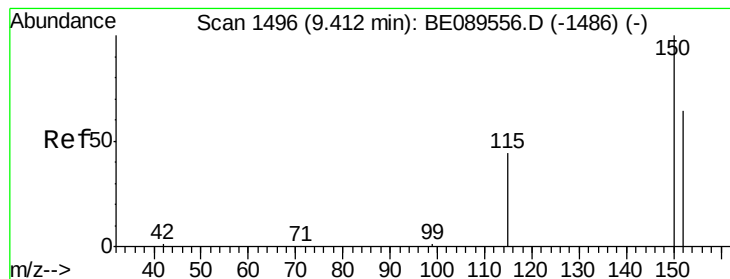
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.41 min Scan# 1496

Delta R.T. 0.00 min

Lab File: BE089555.D

Acq: 10 Feb 2015 18:26

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

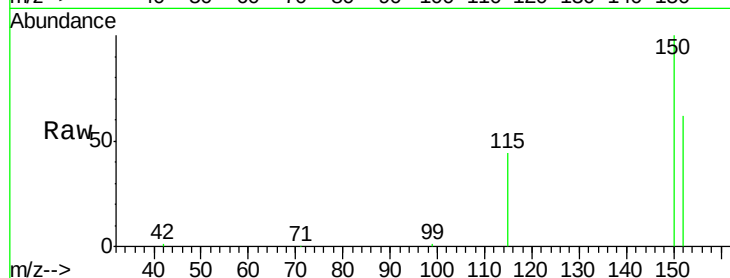
Tgt Ion:152 Resp: 39394

Ion Ratio Lower Upper

152 100

150 160.8 125.6 188.4

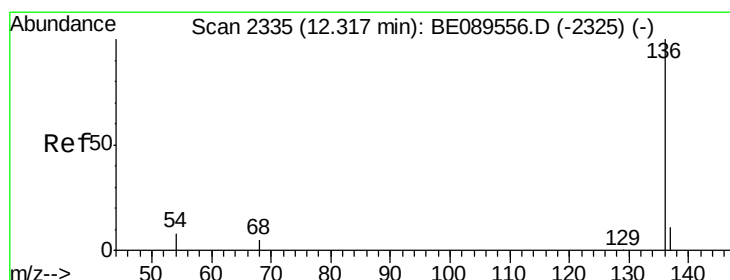
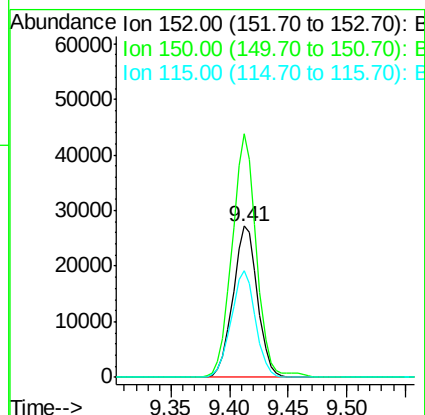
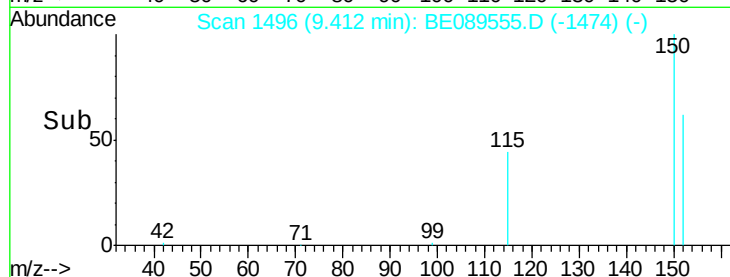
115 70.9 55.8 83.6



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: 12.32 min Scan# 2336

Delta R.T. 0.00 min

Lab File: BE089555.D

Acq: 10 Feb 2015 18:26

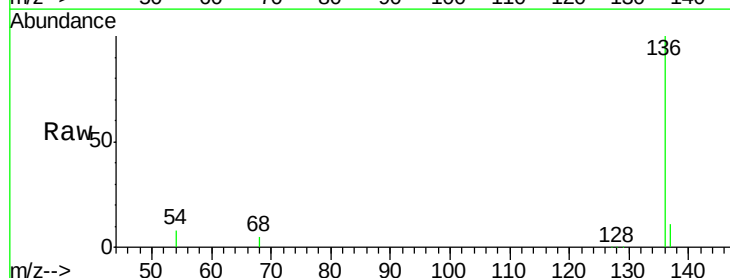
Tgt Ion:136 Resp: 143251

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

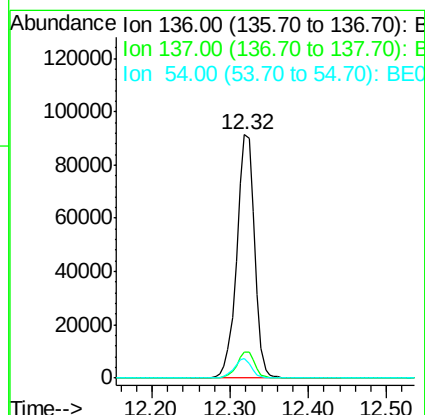
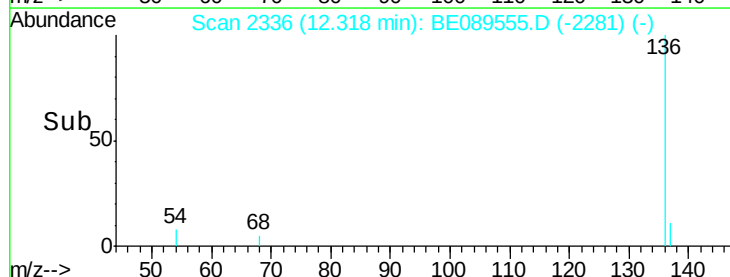
54 8.0 6.6 9.8

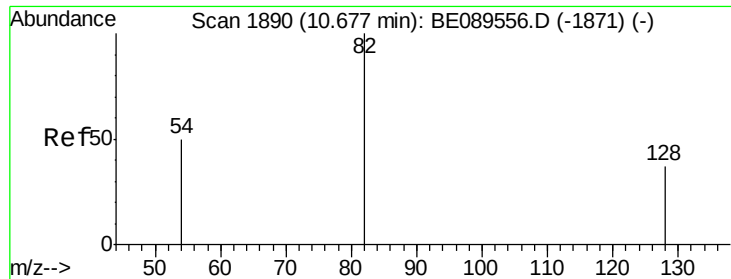


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 0.82 ng

RT: 10.68 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BE089555.D

Acq: 10 Feb 2015 18:26

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

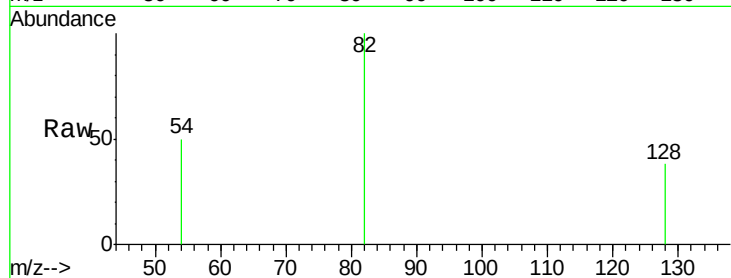
Tgt Ion: 82 Resp: 7036

Ion Ratio Lower Upper

82 100

128 38.4 30.4 45.6

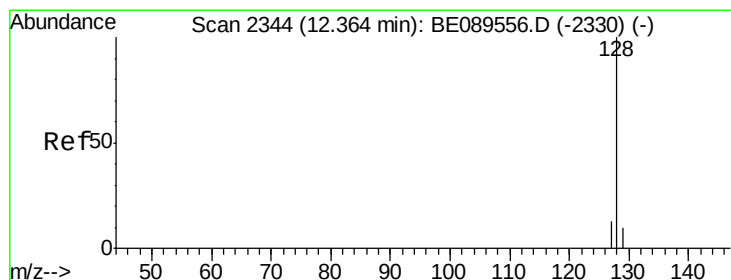
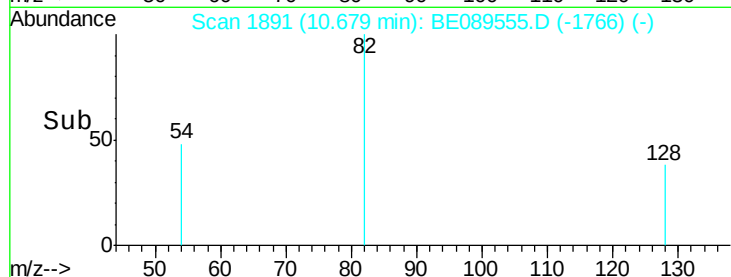
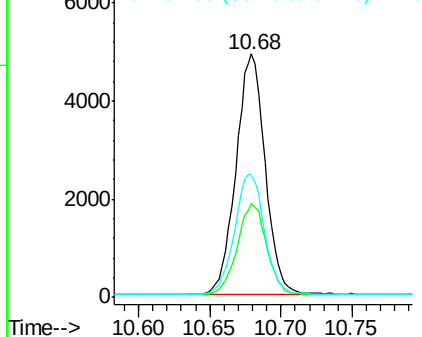
54 50.4 40.7 61.1



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: 0.80 ng

RT: 12.37 min Scan# 2345

Delta R.T. 0.00 min

Lab File: BE089555.D

Acq: 10 Feb 2015 18:26

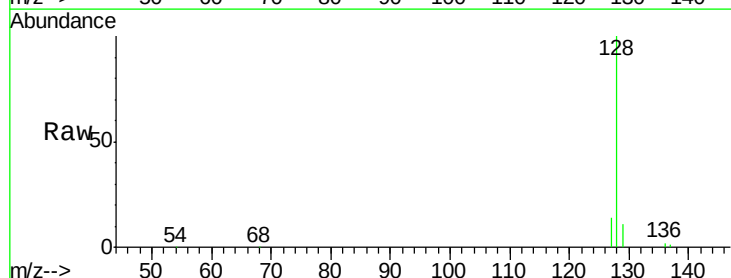
Tgt Ion: 128 Resp: 24702

Ion Ratio Lower Upper

128 100

129 11.0 8.5 12.7

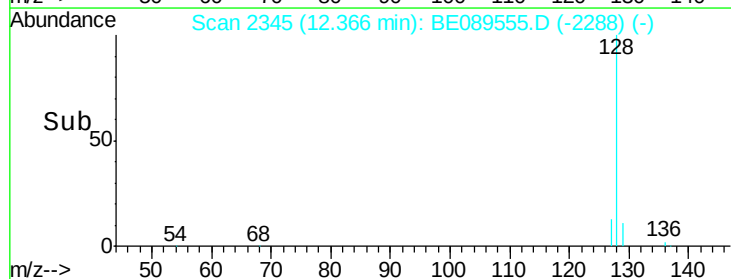
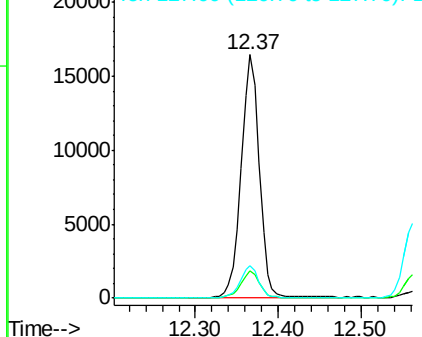
127 13.5 10.6 15.8

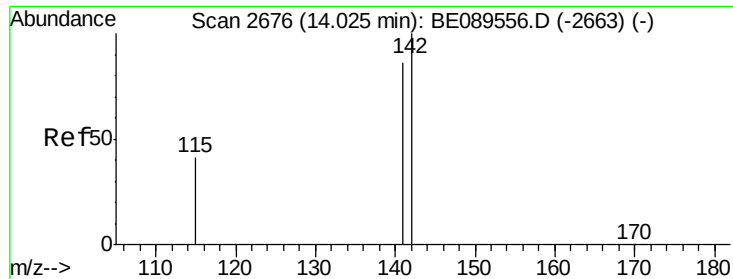


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#5

2-Methylnaphthalene

Concen: 0.76 ng

RT: 14.03 min Scan# 2677

Delta R.T. 0.00 min

Lab File: BE089555.D

Acq: 10 Feb 2015 18:26

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

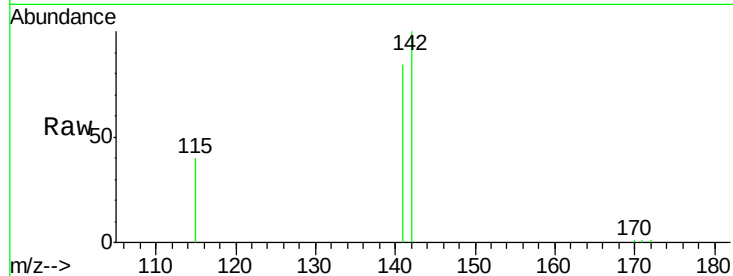
Tgt Ion:142 Resp: 13632

Ion Ratio Lower Upper

142 100

141 83.8 68.6 102.8

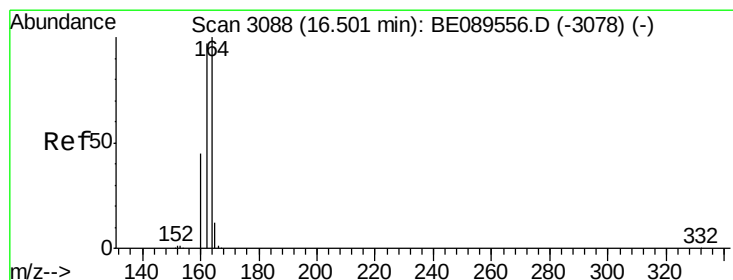
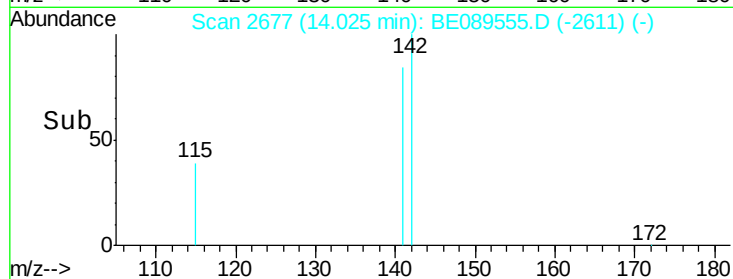
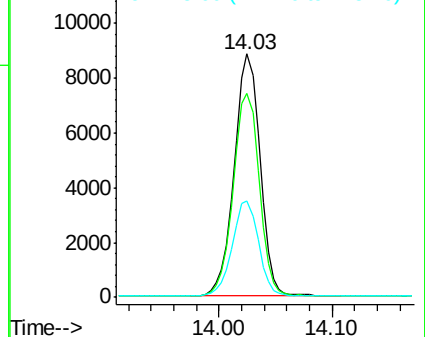
115 39.6 33.0 49.6



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: 16.50 min Scan# 3089

Delta R.T. -0.00 min

Lab File: BE089555.D

Acq: 10 Feb 2015 18:26

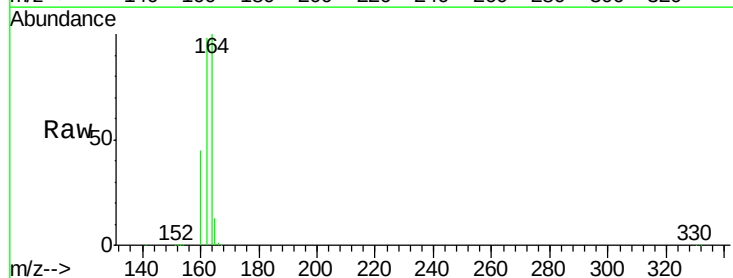
Tgt Ion:164 Resp: 55187

Ion Ratio Lower Upper

164 100

162 97.6 77.8 116.6

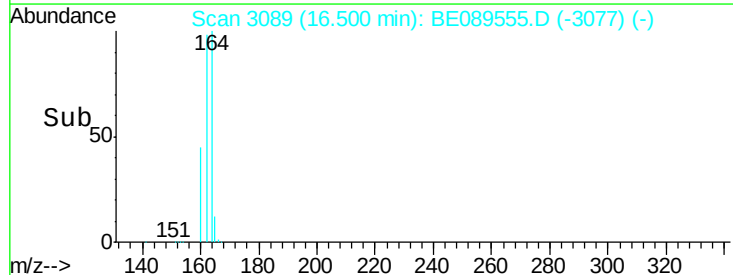
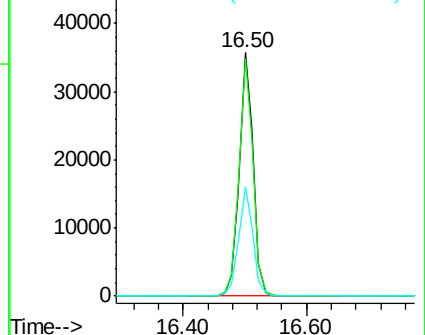
160 44.7 36.2 54.2

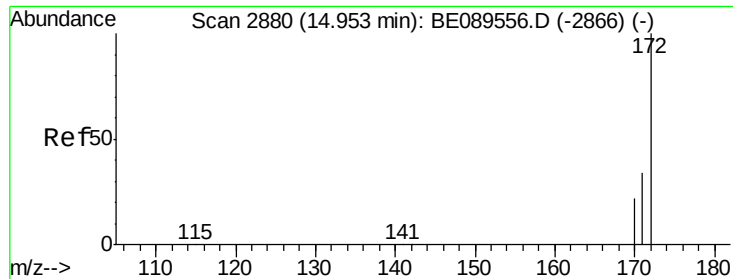


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 0.85 ng

RT: 14.95 min Scan# 2881

Delta R.T. 0.00 min

Lab File: BE089555.D

Acq: 10 Feb 2015 18:26

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

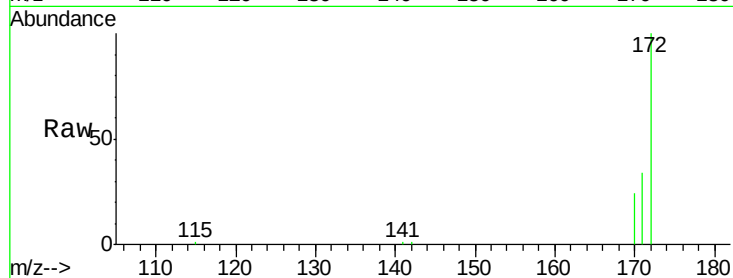
Tgt Ion:172 Resp: 11402

Ion Ratio Lower Upper

172 100

171 34.4 27.4 41.0

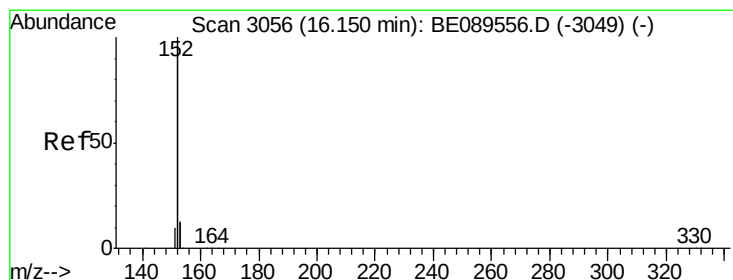
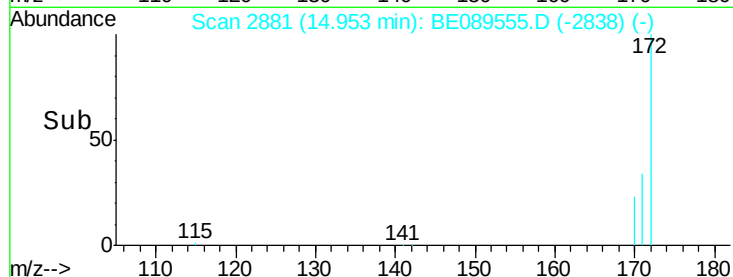
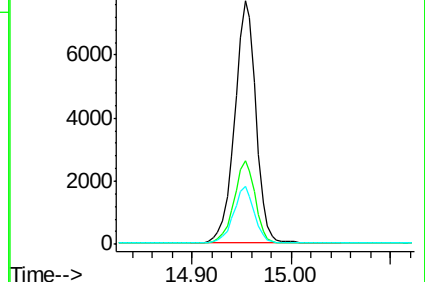
170 23.7 18.3 27.5



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: 0.84 ng

RT: 16.15 min Scan# 3057

Delta R.T. -0.00 min

Lab File: BE089555.D

Acq: 10 Feb 2015 18:26

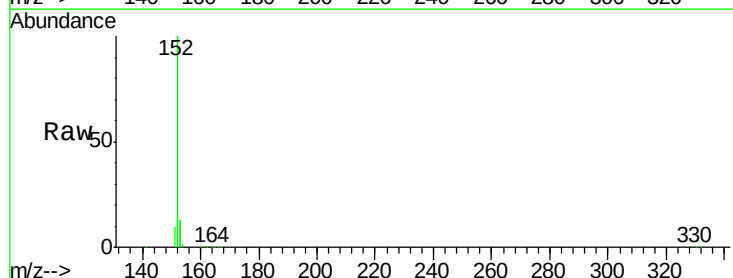
Tgt Ion:152 Resp: 72393

Ion Ratio Lower Upper

152 100

151 5.0 3.9 5.9

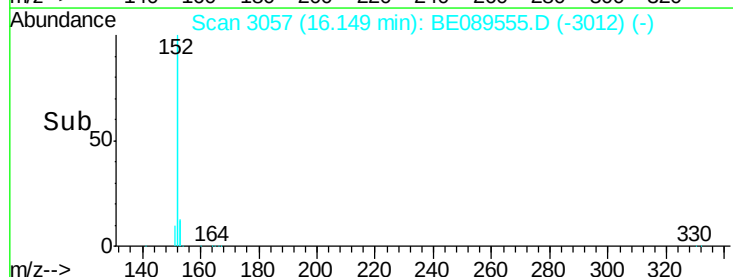
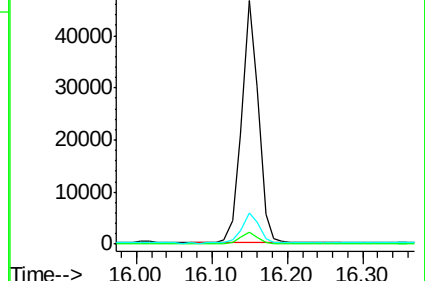
153 12.9 10.4 15.6

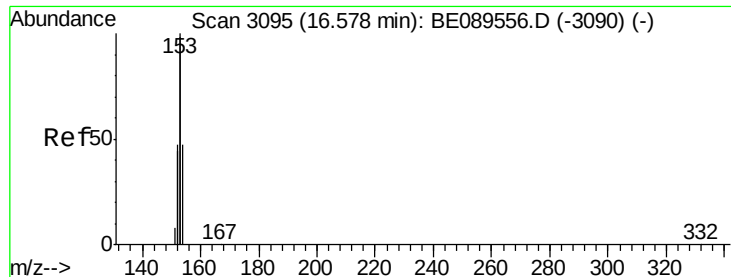


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.82 ng

RT: 16.58 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BE089555.D

Acq: 10 Feb 2015 18:26

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

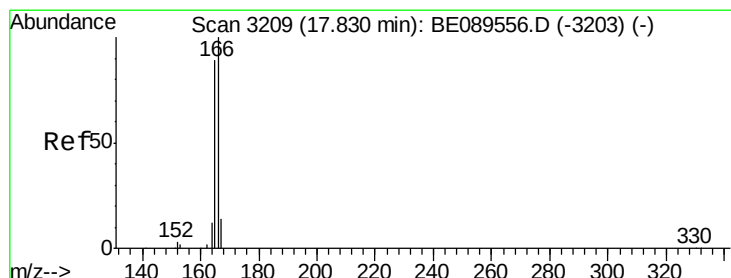
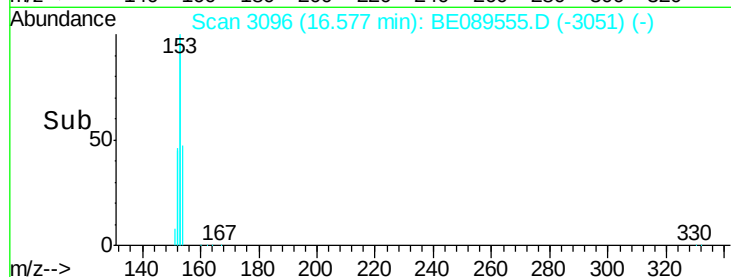
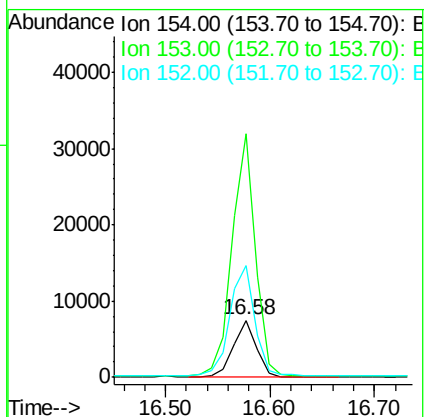
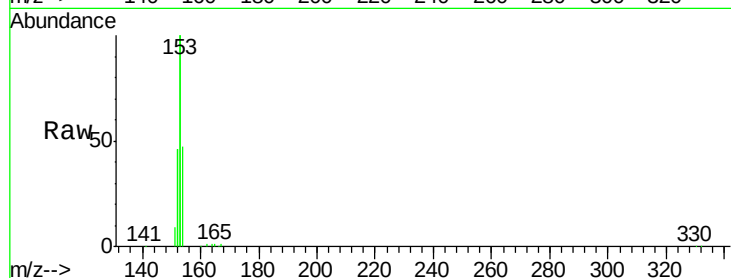
Tgt Ion:154 Resp: 11240

Ion Ratio Lower Upper

154 100

153 433.3 349.0 523.4

152 210.3 173.0 259.4



#10

Fluorene

Concen: 0.83 ng

RT: 17.83 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE089555.D

Acq: 10 Feb 2015 18:26

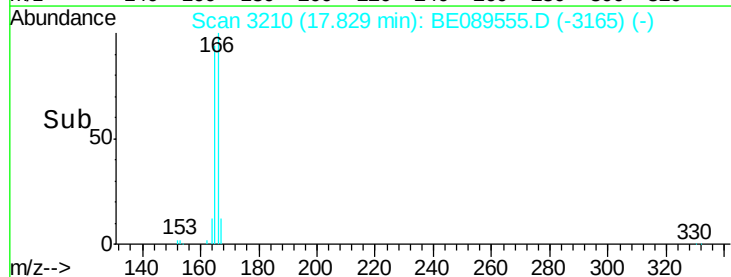
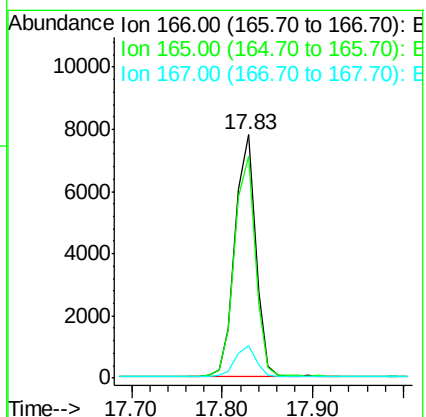
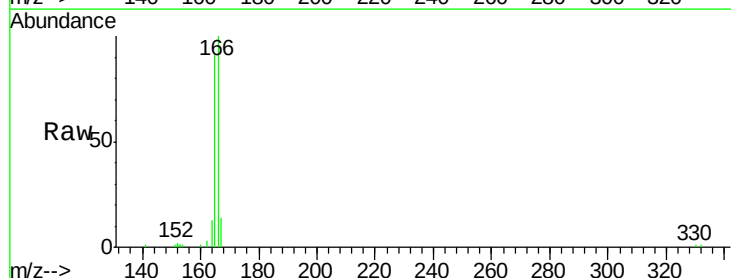
Tgt Ion:166 Resp: 12352

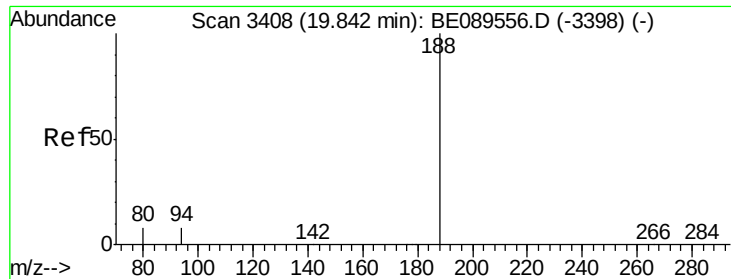
Ion Ratio Lower Upper

166 100

165 92.3 75.1 112.7

167 13.2 10.6 16.0

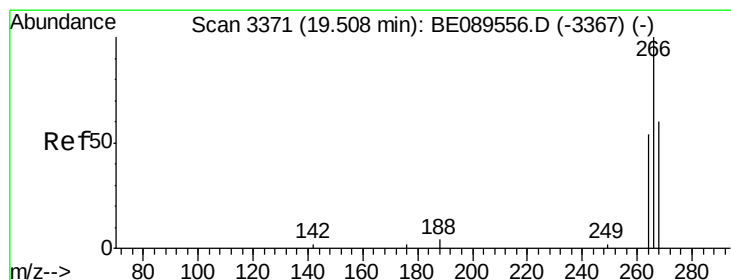
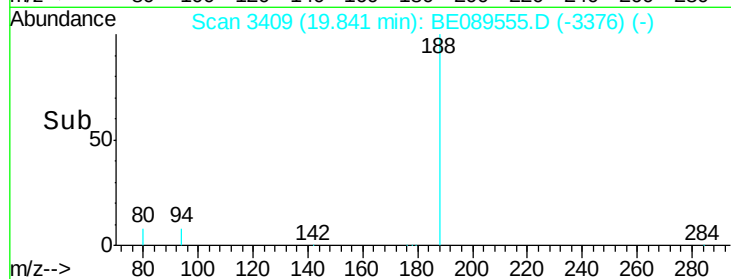
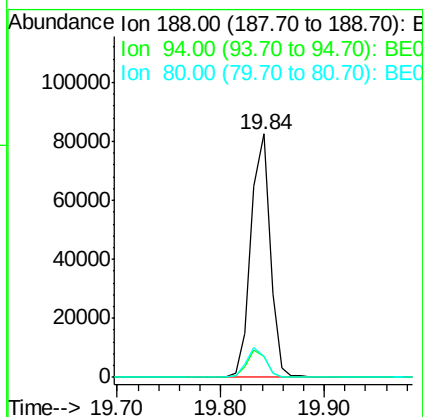
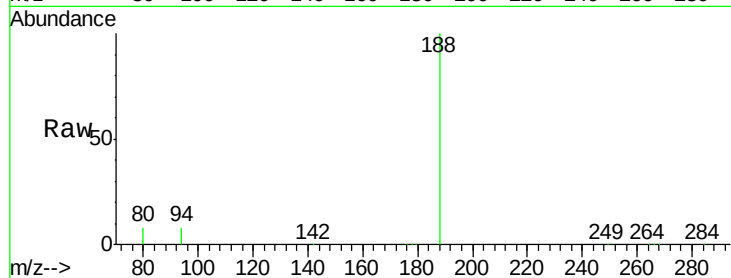




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.84 min Scan# 3409
Delta R.T. -0.00 min
Lab File: BE089555.D
Acq: 10 Feb 2015 18:26

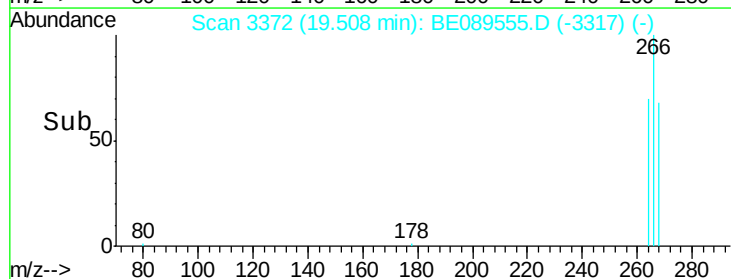
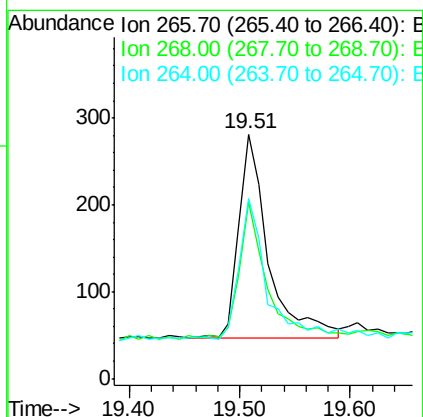
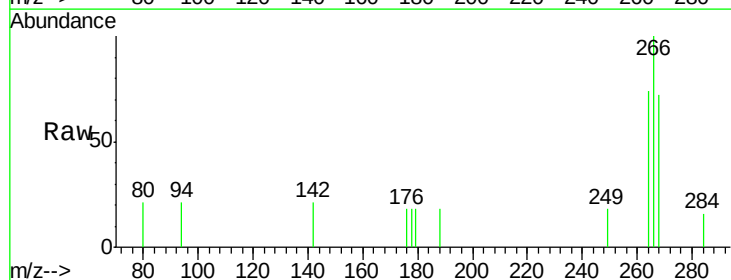
Instrument :
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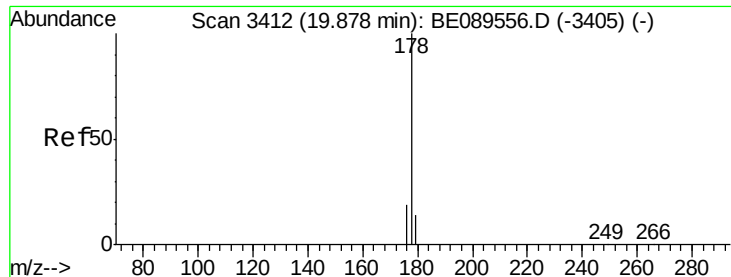
Tgt Ion:188 Resp: 106594
Ion Ratio Lower Upper
188 100
94 8.4 6.2 9.2
80 8.5 6.4 9.6



#12
Pentachlorophenol
Concen: 0.15 ng
RT: 19.51 min Scan# 3372
Delta R.T. -0.00 min
Lab File: BE089555.D
Acq: 10 Feb 2015 18:26

Tgt Ion:266 Resp: 434
Ion Ratio Lower Upper
266 100
268 72.2 57.9 86.9
264 74.0 54.6 81.8

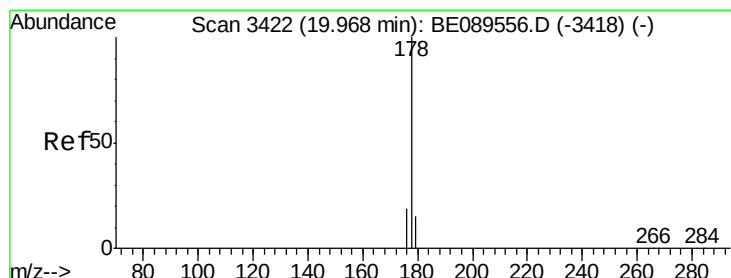
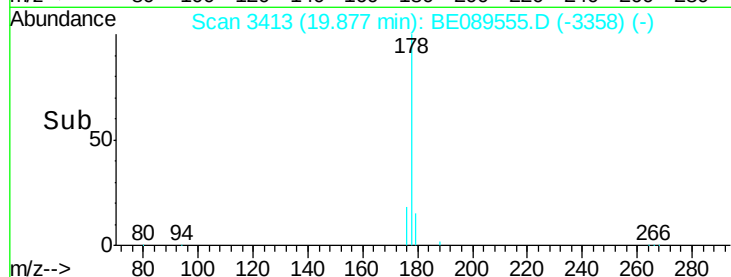
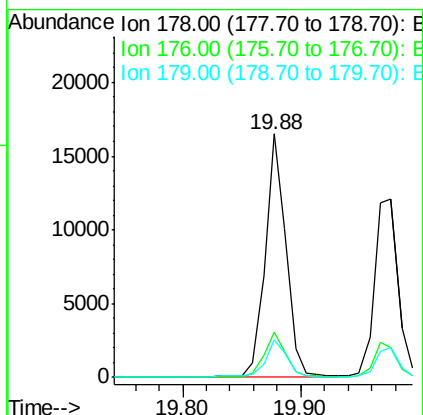
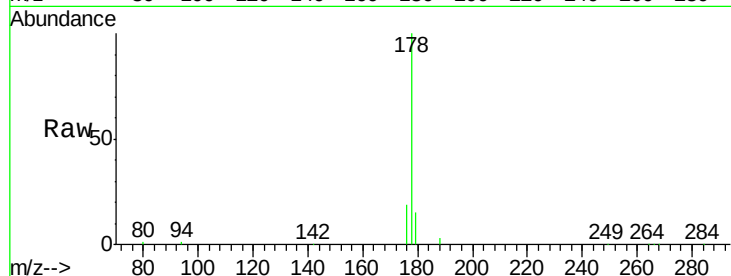




#13
Phenanthrene
Concen: 0.83 ng
RT: 19.88 min Scan# 3413
Delta R.T. -0.00 min
Lab File: BE089555.D
Acq: 10 Feb 2015 18:26

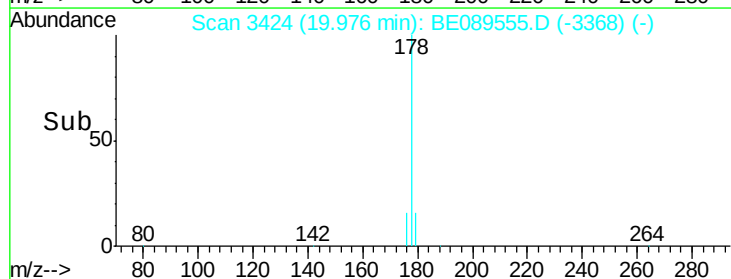
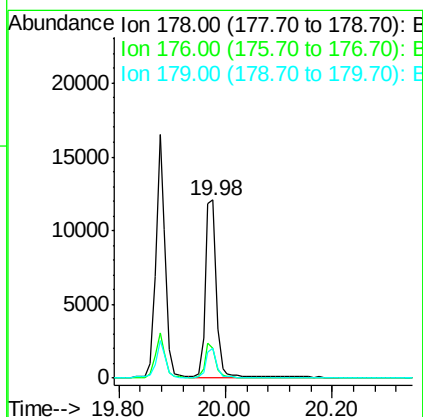
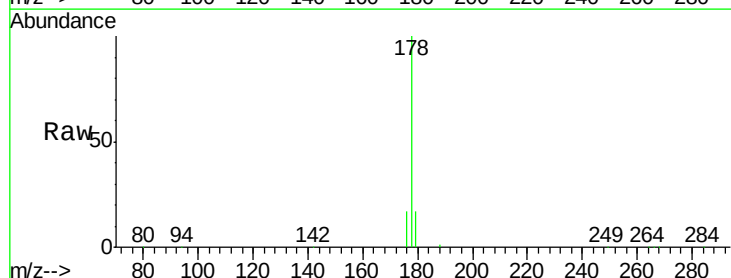
Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

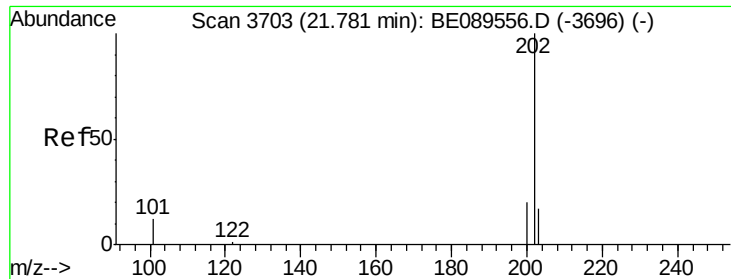
Tgt Ion:178 Resp: 19916
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 15.7 12.1 18.1



#14
Anthracene
Concen: 0.83 ng
RT: 19.98 min Scan# 3424
Delta R.T. 0.01 min
Lab File: BE089555.D
Acq: 10 Feb 2015 18:26

Tgt Ion:178 Resp: 17080
Ion Ratio Lower Upper
178 100
176 17.8 14.6 21.8
179 15.6 12.7 19.1

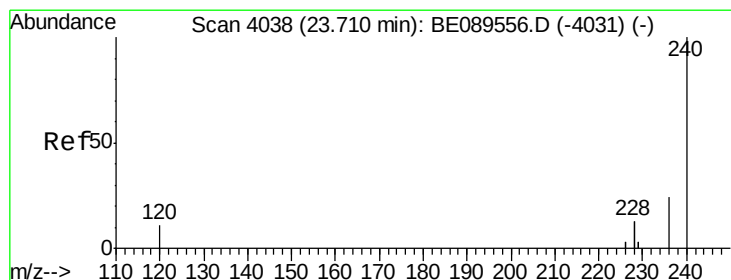
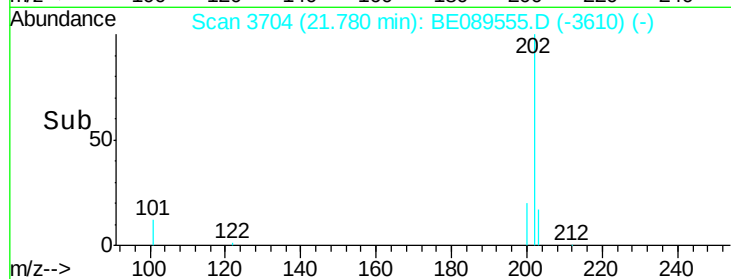
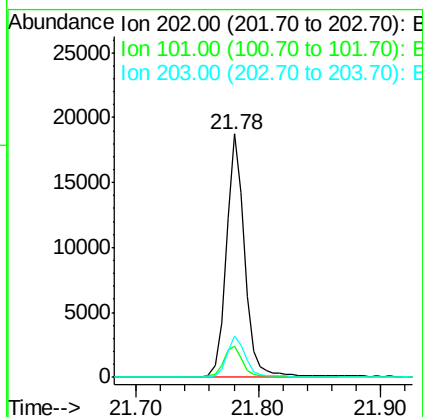
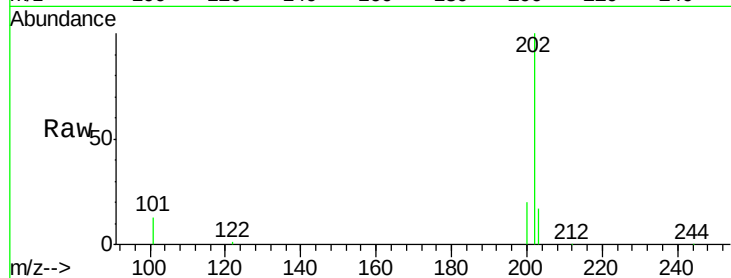




#15
 Fluoranthene
 Concen: 0.90 ng
 RT: 21.78 min Scan# 3704
 Delta R.T. -0.00 min
 Lab File: BE089555.D
 Acq: 10 Feb 2015 18:26

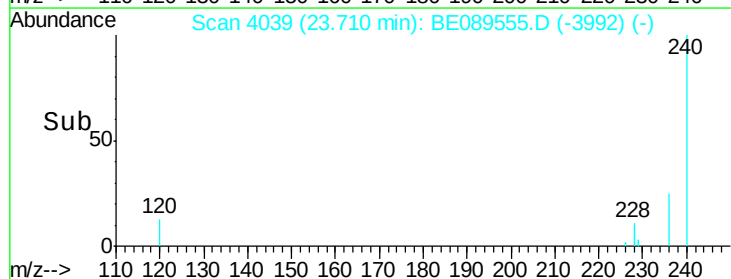
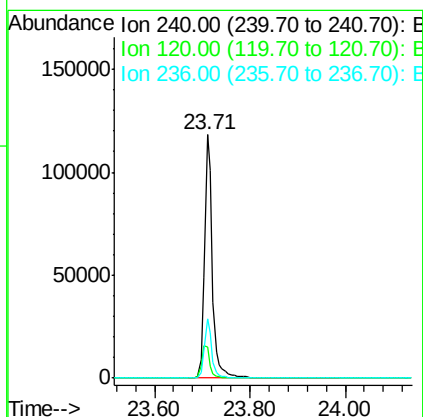
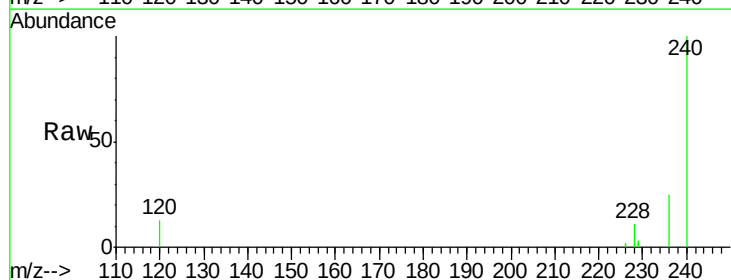
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

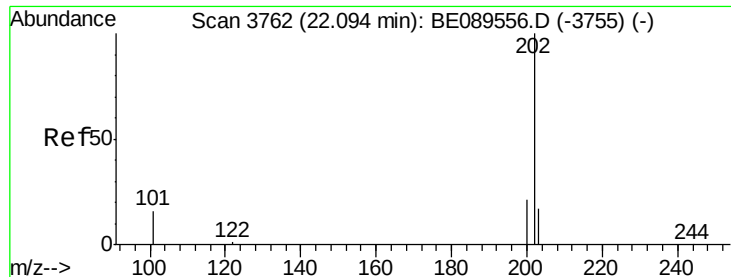
Tgt Ion:202 Resp: 19416
 Ion Ratio Lower Upper
 202 100
 101 12.8 10.4 15.6
 203 17.0 13.6 20.4



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.71 min Scan# 4039
 Delta R.T. -0.00 min
 Lab File: BE089555.D
 Acq: 10 Feb 2015 18:26

Tgt Ion:240 Resp: 135285
 Ion Ratio Lower Upper
 240 100
 120 12.6 9.3 13.9
 236 24.6 19.3 28.9

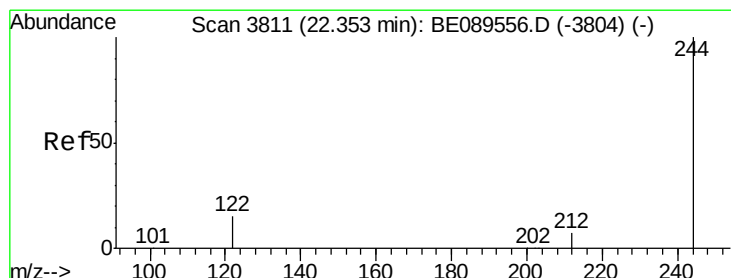
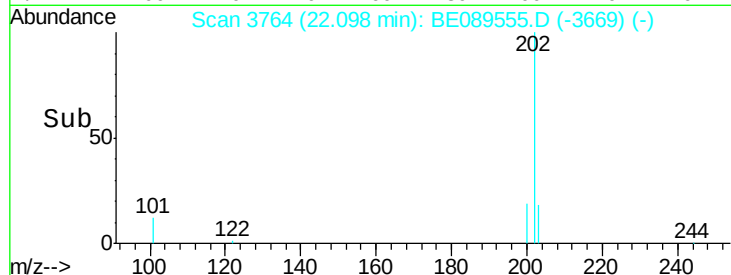
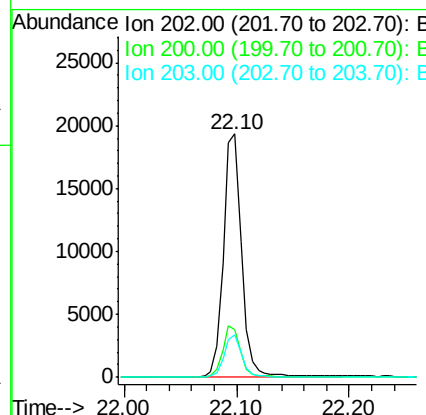
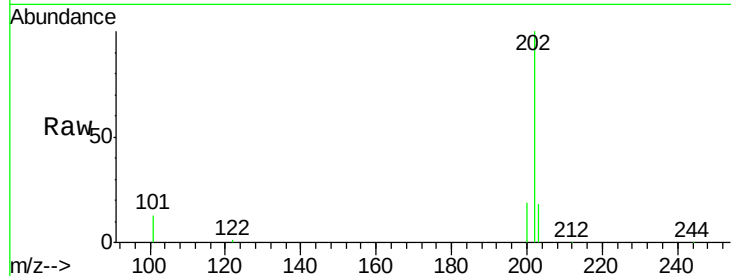




#17
 Pyrene
 Concen: 0.75 ng
 RT: 22.10 min Scan# 3764
 Delta R.T. 0.00 min
 Lab File: BE089555.D
 Acq: 10 Feb 2015 18:26

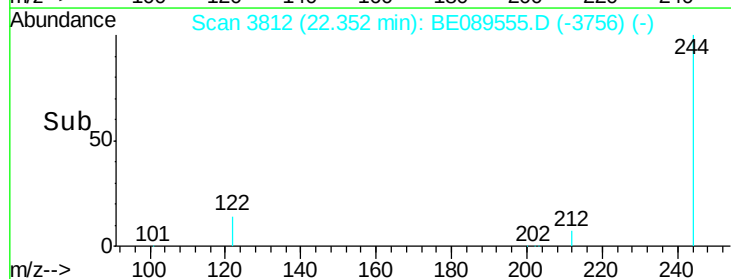
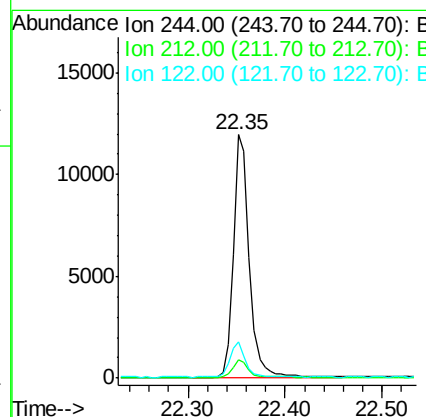
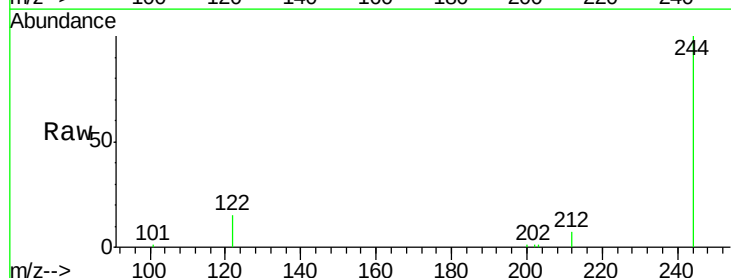
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

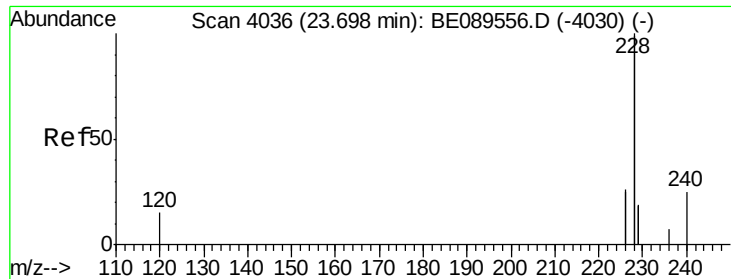
Tgt Ion: 202 Resp: 21516
 Ion Ratio Lower Upper
 202 100
 200 20.4 16.6 24.8
 203 16.8 14.2 21.2



#18
 Terphenyl-d14
 Concen: 0.73 ng
 RT: 22.35 min Scan# 3812
 Delta R.T. -0.00 min
 Lab File: BE089555.D
 Acq: 10 Feb 2015 18:26

Tgt Ion: 244 Resp: 13272
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 14.7 12.2 18.2





#19

Benzo(a)anthracene

Concen: 0.82 ng

RT: 23.70 min Scan# 4037

Delta R.T. -0.00 min

Lab File: BE089555.D

Acq: 10 Feb 2015 18:26

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

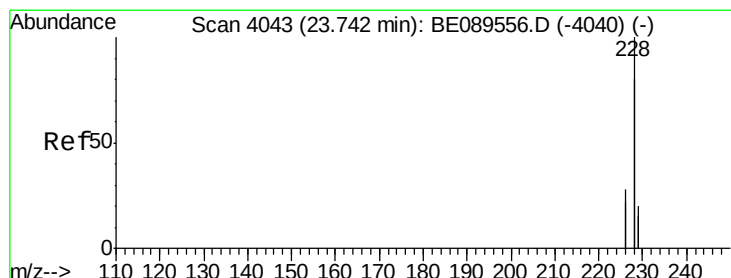
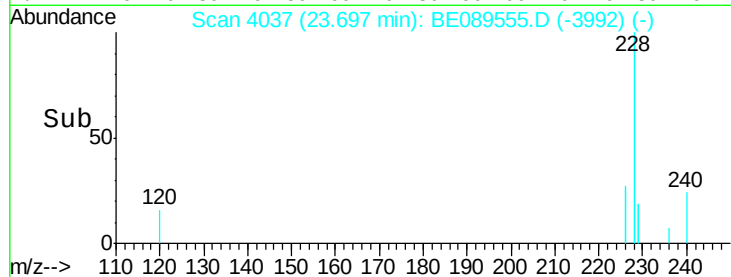
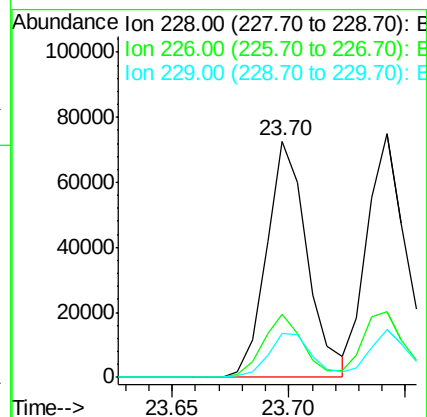
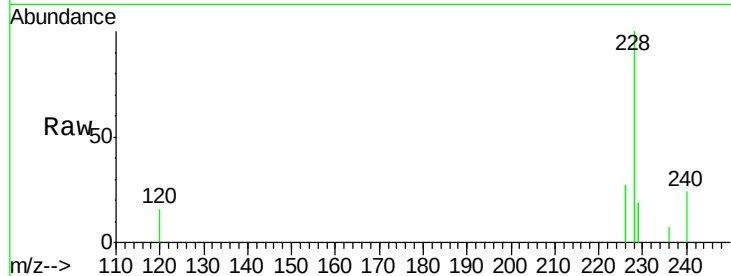
Tgt Ion:228 Resp: 87114

Ion Ratio Lower Upper

228 100

226 27.0 21.0 31.4

229 18.6 15.2 22.8



#20

Chrysene

Concen: 0.84 ng

RT: 23.74 min Scan# 4044

Delta R.T. -0.00 min

Lab File: BE089555.D

Acq: 10 Feb 2015 18:26

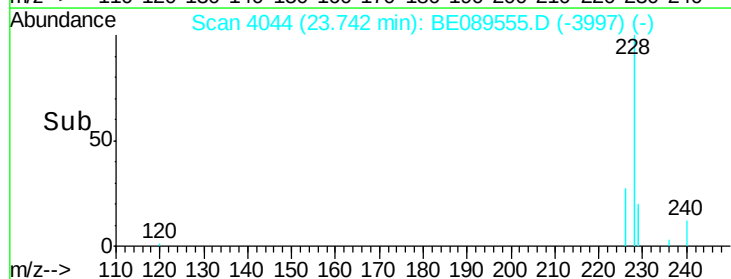
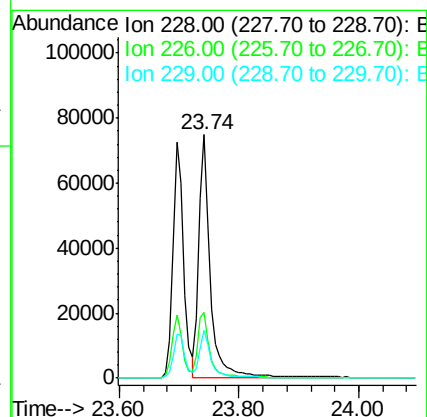
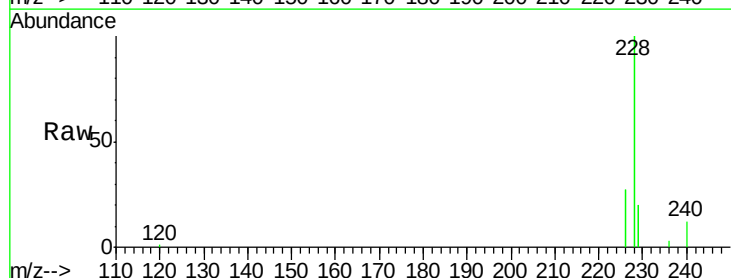
Tgt Ion:228 Resp: 97611

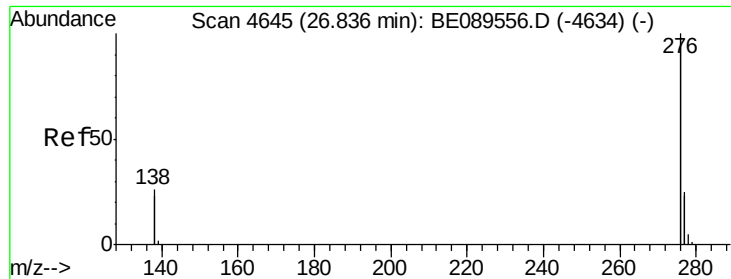
Ion Ratio Lower Upper

228 100

226 27.1 22.6 34.0

229 19.5 15.6 23.4





#21

Indeno(1,2,3-cd)pyrene

Concen: 1.04 ng

RT: 26.84 min Scan# 4646

Delta R.T. -0.00 min

Lab File: BE089555.D

Acq: 10 Feb 2015 18:26

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

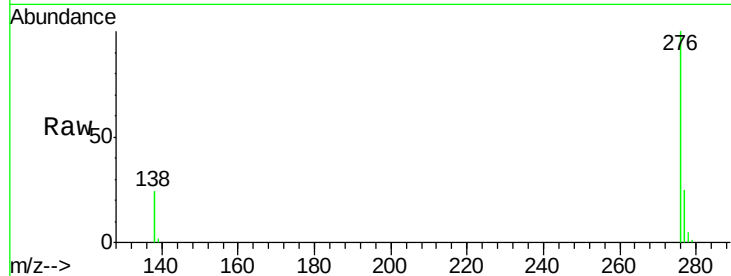
Tgt Ion:276 Resp: 101727

Ion Ratio Lower Upper

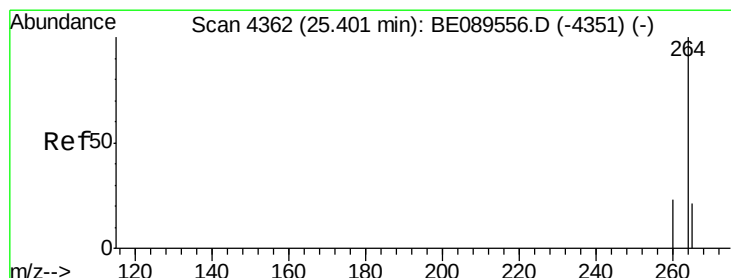
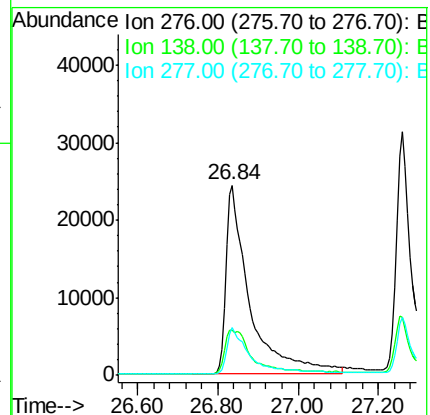
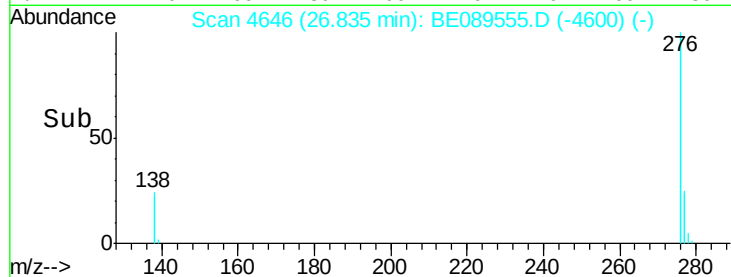
276 100

138 25.1 20.2 30.4

277 23.5 19.6 29.4



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



#22

Perylene-d12

Concen: 5.00 ng

RT: 25.40 min Scan# 4363

Delta R.T. -0.00 min

Lab File: BE089555.D

Acq: 10 Feb 2015 18:26

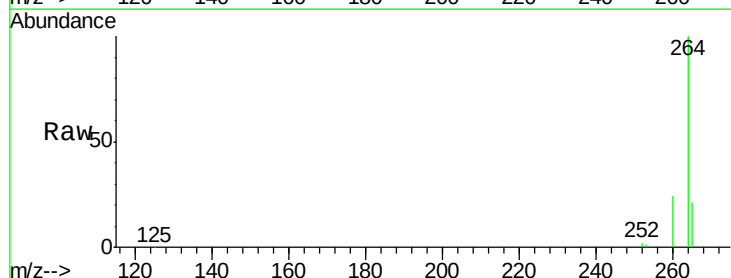
Tgt Ion:264 Resp: 143494

Ion Ratio Lower Upper

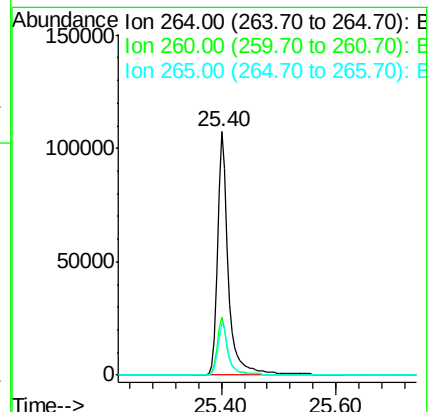
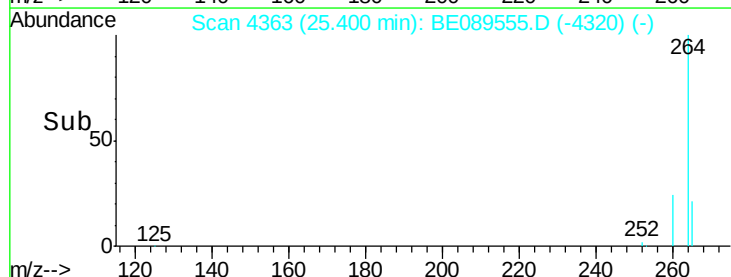
264 100

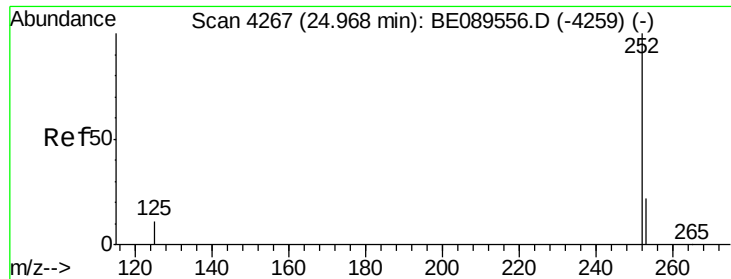
260 23.7 18.7 28.1

265 21.0 16.8 25.2



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

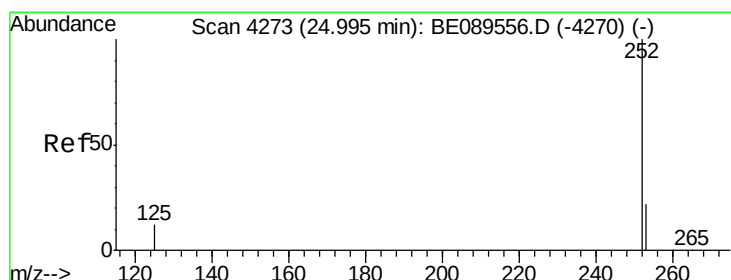
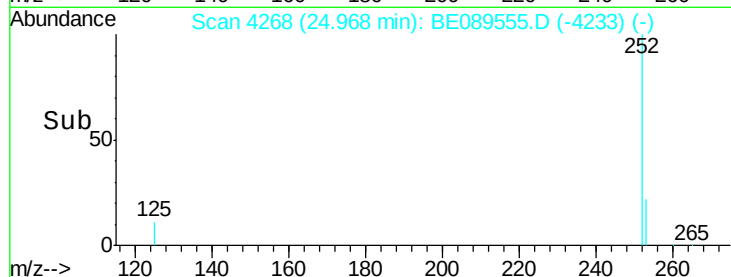
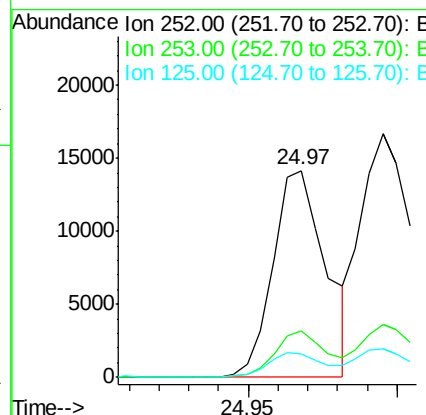
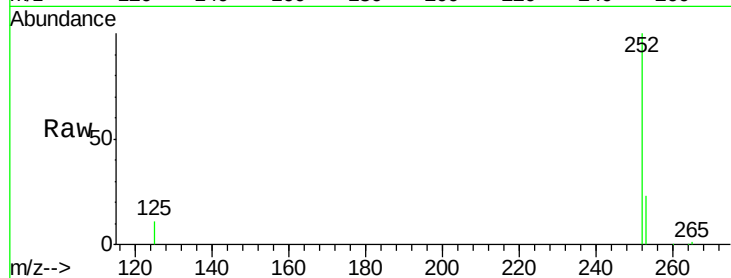




#23
Benzo(b)fluoranthene
Concen: 0.81 ng
RT: 24.97 min Scan# 4268
Delta R.T. -0.00 min
Lab File: BE089555.D
Acq: 10 Feb 2015 18:26

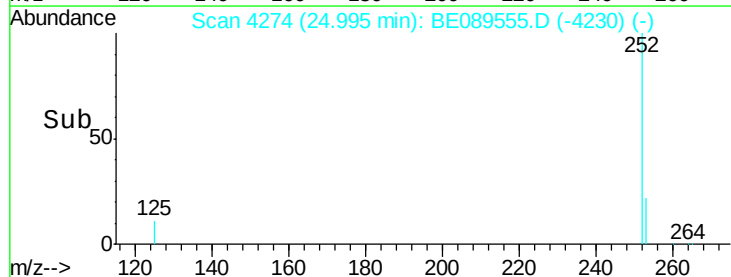
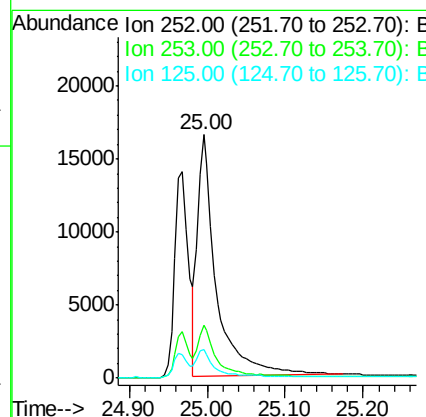
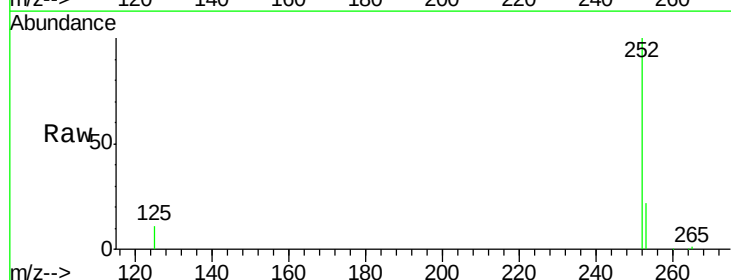
Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

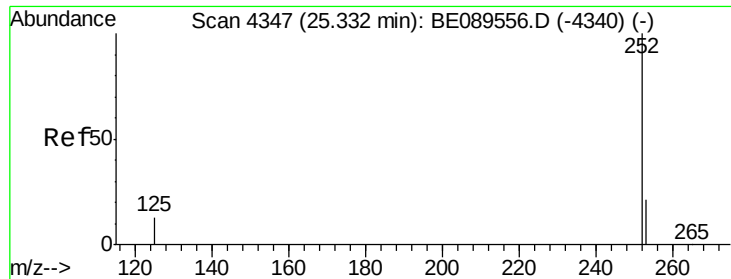
Tgt Ion:252 Resp: 17260
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 11.1 9.3 13.9



#24
Benzo(k)fluoranthene
Concen: 0.83 ng
RT: 25.00 min Scan# 4274
Delta R.T. -0.00 min
Lab File: BE089555.D
Acq: 10 Feb 2015 18:26

Tgt Ion:252 Resp: 28075
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 11.5 9.6 14.4





#25

Benzo(a)pyrene

Concen: 0.80 ng

RT: 25.33 min Scan# 4348

Delta R.T. -0.00 min

Lab File: BE089555.D

Acq: 10 Feb 2015 18:26

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

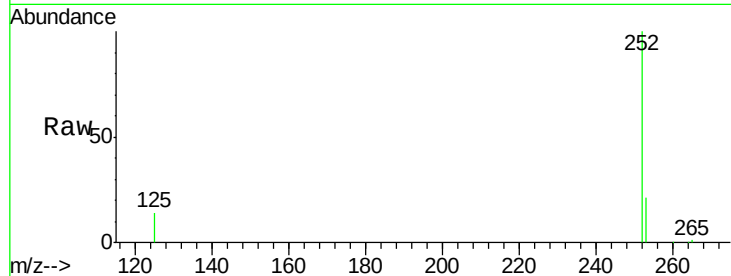
Tgt Ion: 252 Resp: 17379

Ion Ratio Lower Upper

252 100

253 20.9 17.4 26.0

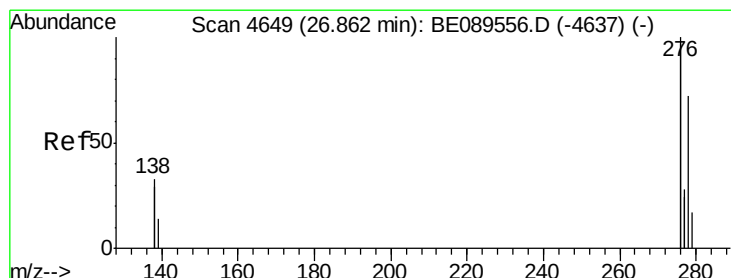
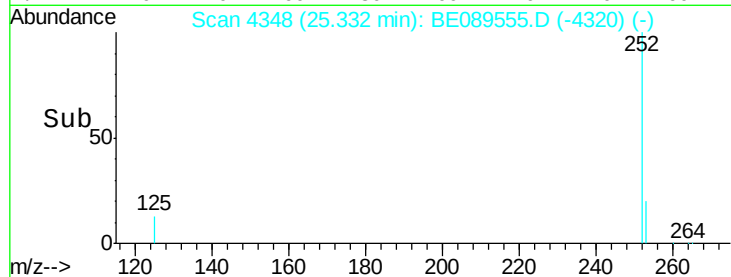
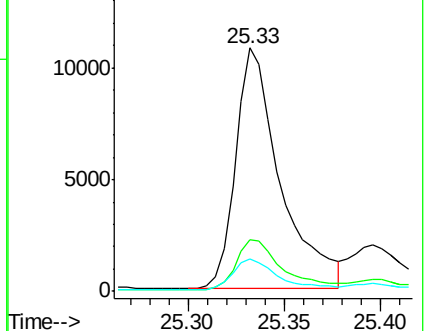
125 13.5 11.1 16.7



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: 0.95 ng

RT: 26.86 min Scan# 4650

Delta R.T. -0.00 min

Lab File: BE089555.D

Acq: 10 Feb 2015 18:26

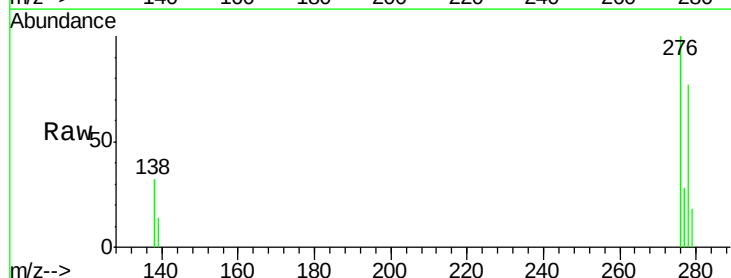
Tgt Ion: 278 Resp: 21219

Ion Ratio Lower Upper

278 100

139 18.6 16.1 24.1

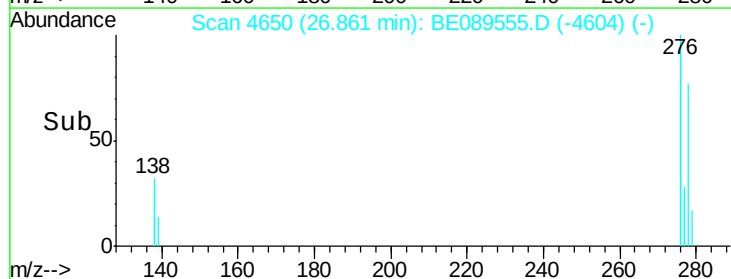
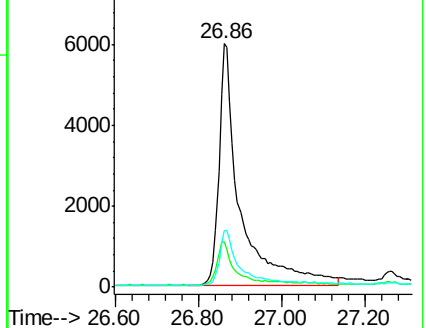
279 23.3 19.6 29.4

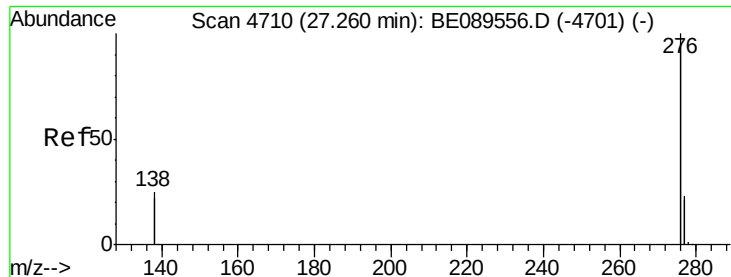


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.91 ng

RT: 27.26 min Scan# 4711

Delta R.T. -0.00 min

Lab File: BE089555.D

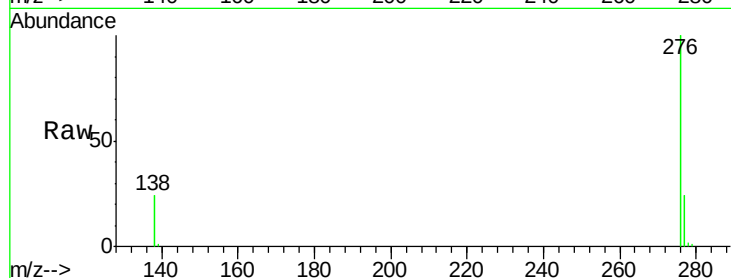
Acq: 10 Feb 2015 18:26

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8



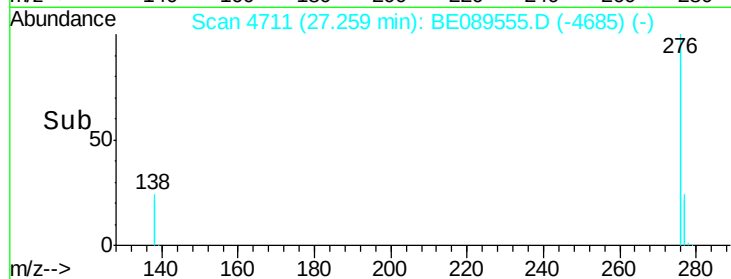
Tgt Ion: 276 Resp: 91174

Ion Ratio Lower Upper

276 100

277 24.0 18.7 28.1

138 23.7 19.7 29.5



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

