

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020515\
 Data File : BE089503.D
 Acq On : 5 Feb 2015 13:18
 Operator : TP/IZ
 Sample : SSTDICCC001
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICCC001

Quant Time: Feb 06 02:49:07 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	31396	5.00	ng	0.00
2) Naphthalene-d8	12.40	136	132520	5.00	ng	0.00
6) Acenaphthene-d10	16.59	164	65560	5.00	ng	0.00
11) Phenanthrene-d10	19.90	188	128634	5.00	ng	0.00
16) Chrysene-d12	23.76	240	143431	5.00	ng	0.00
22) Perylene-d12	25.46	264	145552	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) Nitrobenzene-d5	10.76	82	10361	1.02	ng	0.00
7) 2-Fluorobiphenyl	15.03	172	23554	1.14	ng	0.00
18) Terphenyl-d14	22.40	244	29874	1.20	ng	0.00

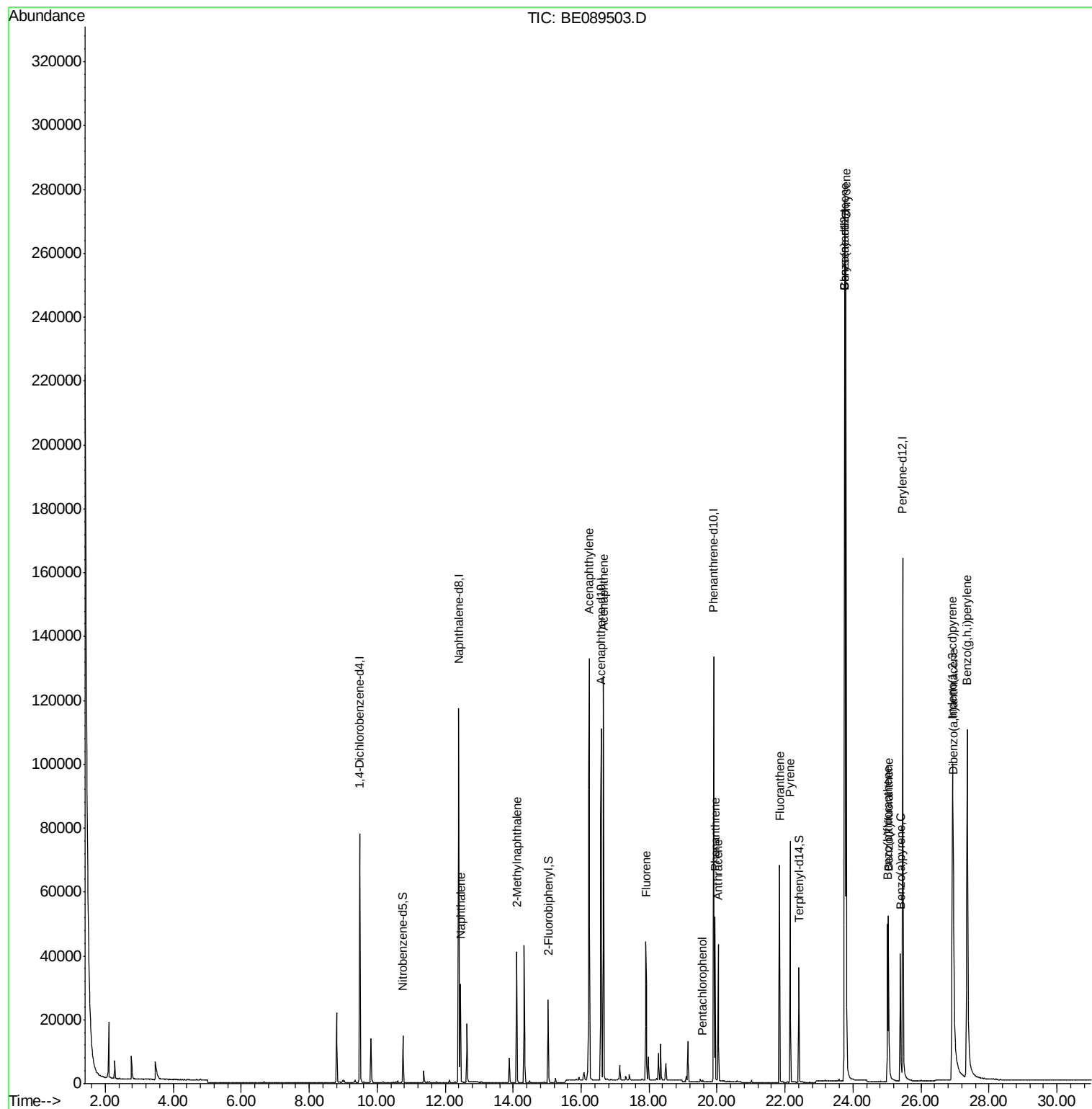
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Naphthalene	12.45	128	34641	1.04	ng	100
5) 2-Methylnaphthalene	14.11	142	25028	1.15	ng	100
8) Acenaphthylene	16.24	152	166466	1.18	ng	100
9) Acenaphthene	16.65	154	25298	1.17	ng	100
10) Fluorene	17.90	166	29308	1.22	ng	100
12) Pentachlorophenol	19.58	266	317	0.25	ng	100
13) Phenanthrene	19.94	178	46246	1.18	ng	100
14) Anthracene	20.04	178	42845	1.23	ng	100
15) Fluoranthene	21.84	202	46146	1.24	ng	100
17) Pyrene	22.15	202	49120	1.20	ng	100
19) Benzo(a)anthracene	23.75	228	190352	1.21	ng	100
20) Chrysene	23.79	228	193892	1.20	ng	100
21) Indeno(1,2,3-cd)pyrene	26.93	276	223160	1.33	ng	100
23) Benzo(b)fluoranthene	25.02	252	41159	1.22	ng	100
24) Benzo(k)fluoranthene	25.05	252	55685	1.20	ng	100
25) Benzo(a)pyrene	25.39	252	42142	1.23	ng	100
26) Dibenzo(a,h)anthracene	26.95	278	47343	1.29	ng	100
27) Benzo(g,h,i)perylene	27.36	276	186516	1.25	ng	100

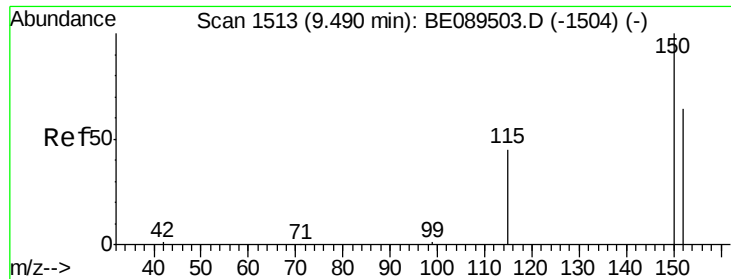
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.49 min Scan# 1513

Delta R.T. 0.00 min

Lab File: BE089503.D

Acq: 5 Feb 2015 13:18

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

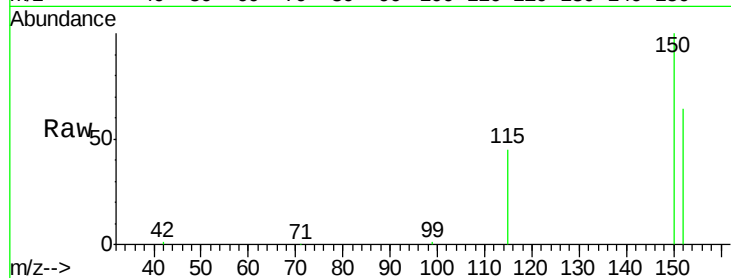
Tgt Ion:152 Resp: 31396

Ion Ratio Lower Upper

152 100

150 156.3 125.0 187.6

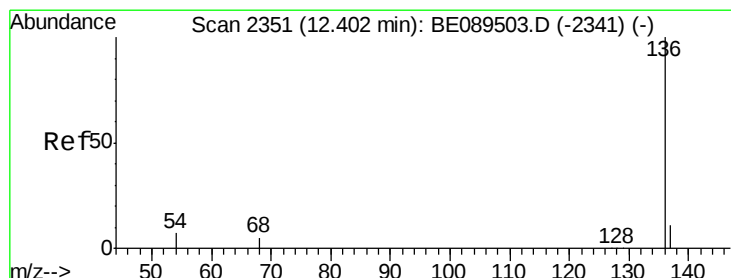
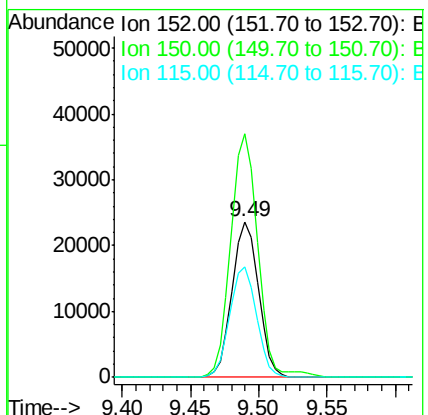
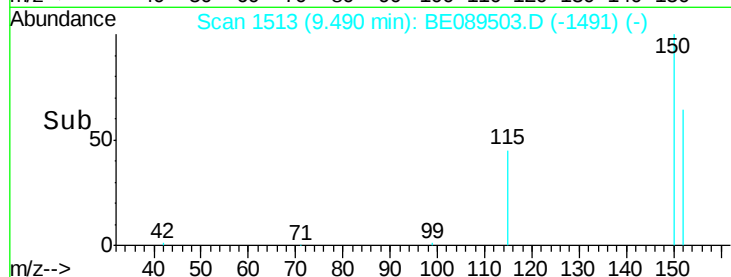
115 70.8 56.6 85.0



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: 12.40 min Scan# 2351

Delta R.T. 0.00 min

Lab File: BE089503.D

Acq: 5 Feb 2015 13:18

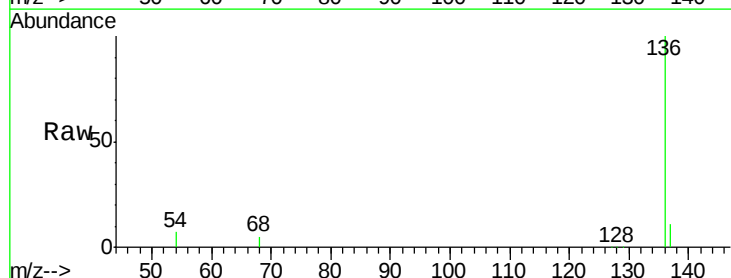
Tgt Ion:136 Resp: 132520

Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

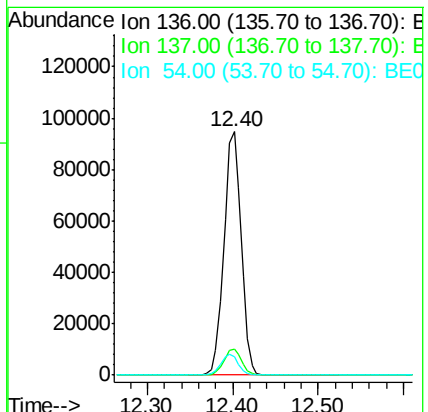
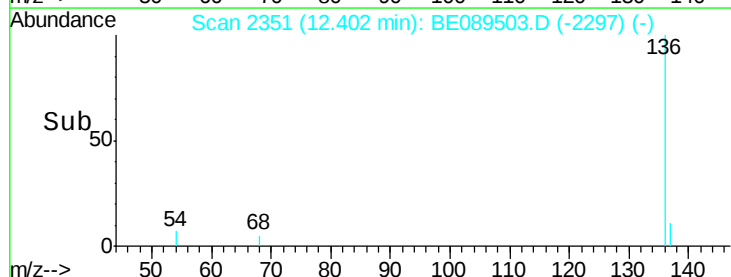
54 7.5 6.0 9.0

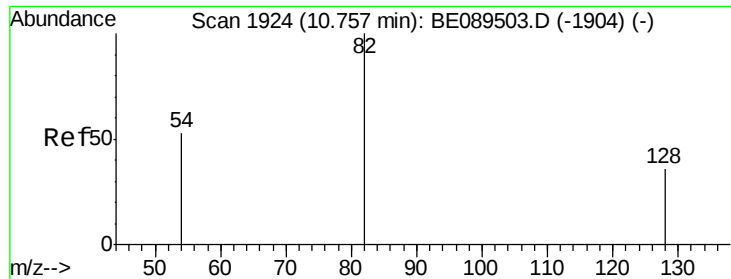


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 1.02 ng

RT: 10.76 min Scan# 1924

Delta R.T. 0.00 min

Lab File: BE089503.D

Acq: 5 Feb 2015 13:18

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

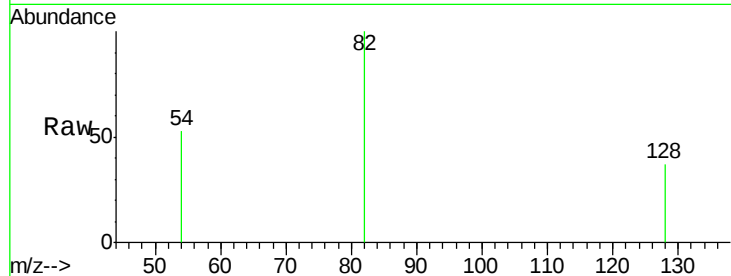
Tgt Ion: 82 Resp: 10361

Ion Ratio Lower Upper

82 100

128 36.6 29.3 43.9

54 53.3 42.6 64.0

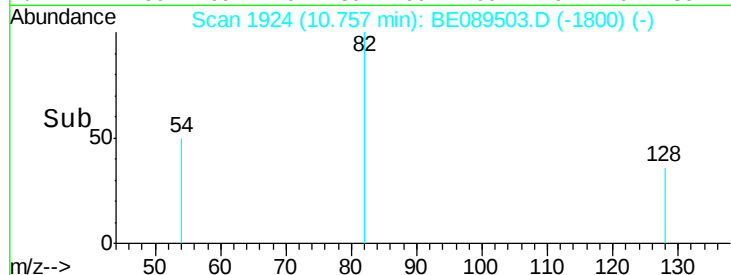


Abundance Ion 82.00 (81.70 to 82.70): BE0

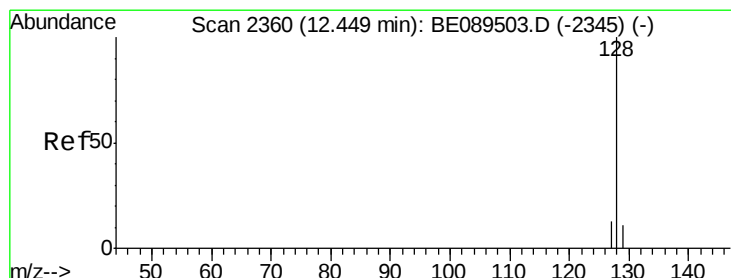
Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Time-->



Time-->



#4

Naphthalene

Concen: 1.04 ng

RT: 12.45 min Scan# 2360

Delta R.T. 0.00 min

Lab File: BE089503.D

Acq: 5 Feb 2015 13:18

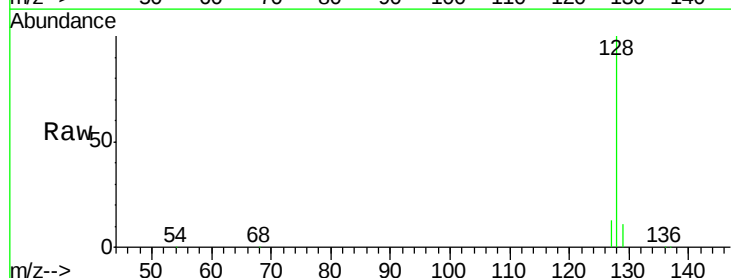
Tgt Ion: 128 Resp: 34641

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 12.9 10.3 15.5

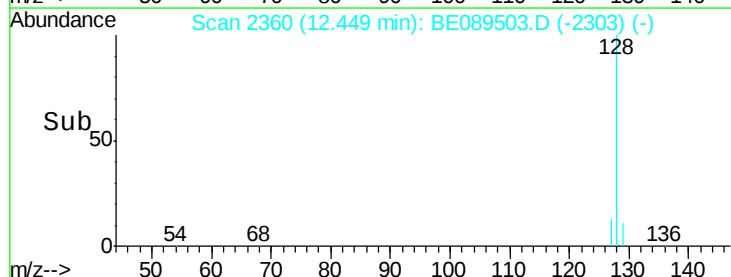


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

Time-->



Time-->



#5

2-Methylnaphthalene

Concen: 1.15 ng

RT: 14.11 min Scan# 2694

Delta R.T. 0.00 min

Lab File: BE089503.D

Acq: 5 Feb 2015 13:18

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

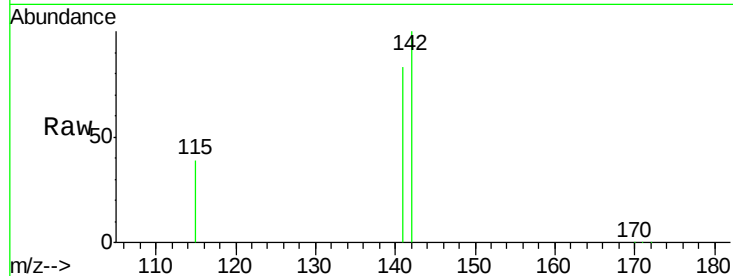
Tgt Ion:142 Resp: 25028

Ion Ratio Lower Upper

142 100

141 82.9 66.3 99.5

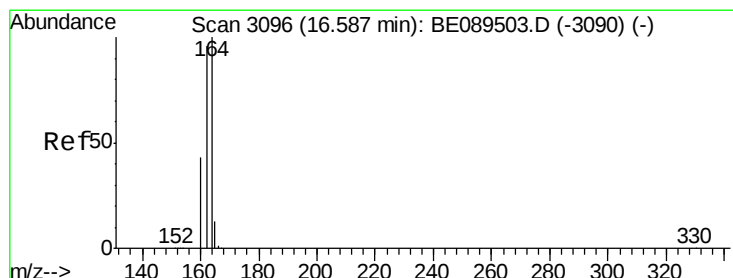
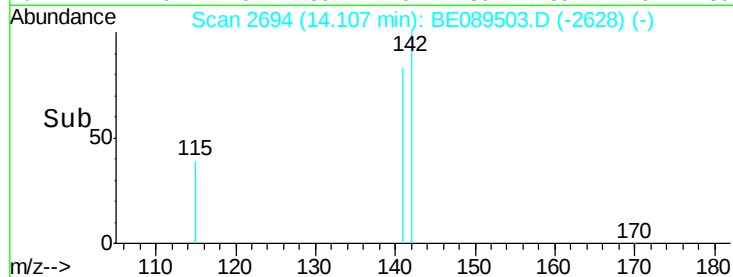
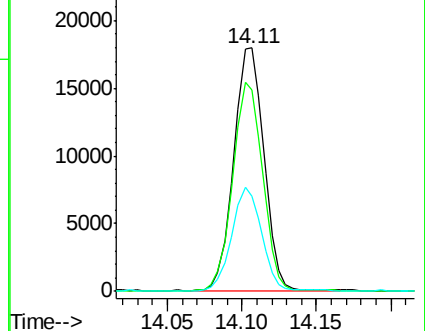
115 38.9 31.1 46.7



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: BE089503.D

Acq: 5 Feb 2015 13:18

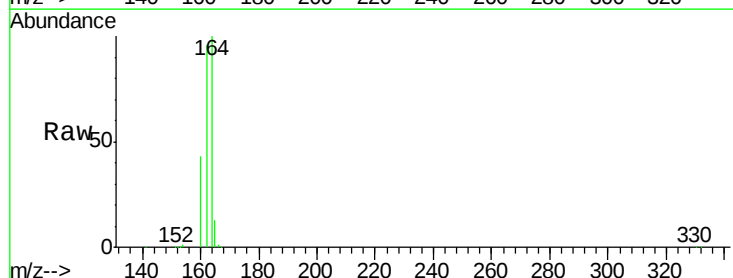
Tgt Ion:164 Resp: 65560

Ion Ratio Lower Upper

164 100

162 95.8 76.6 115.0

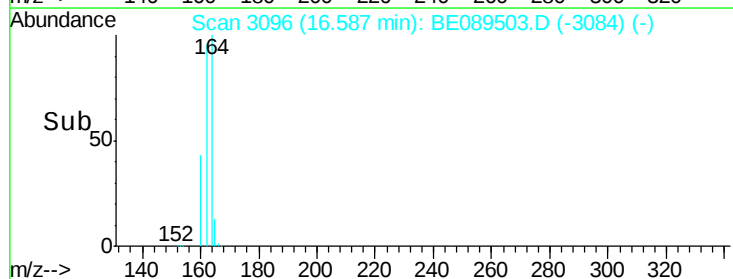
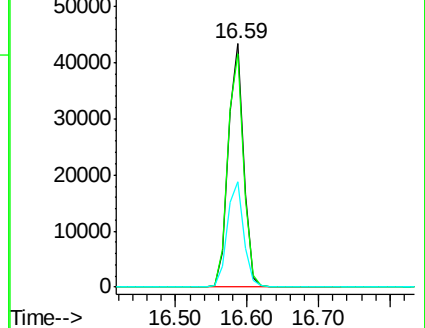
160 43.3 34.6 52.0



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: 1.14 ng

RT: 15.03 min Scan# 2897

Delta R.T. 0.00 min

Lab File: BE089503.D

Acq: 5 Feb 2015 13:18

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

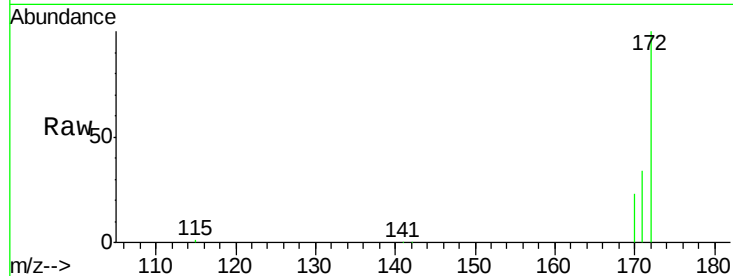
Tgt Ion:172 Resp: 23554

Ion Ratio Lower Upper

172 100

171 34.2 27.4 41.0

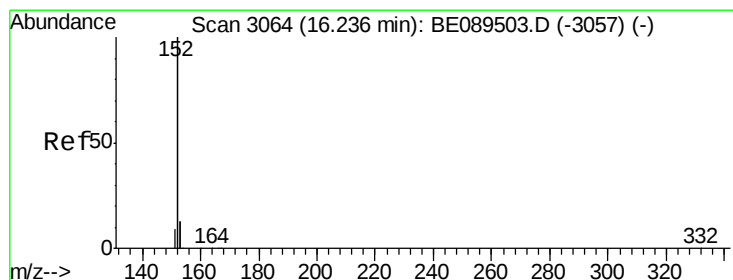
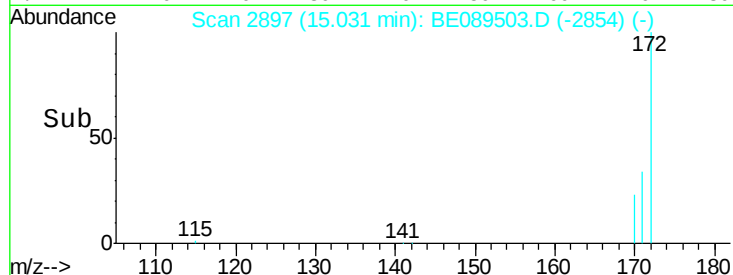
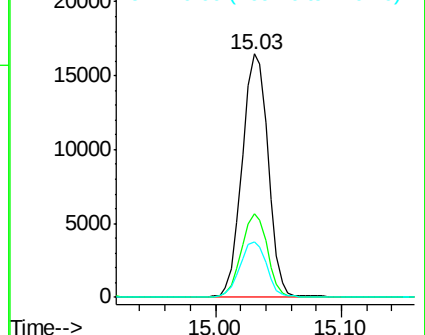
170 23.0 18.4 27.6



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: 1.18 ng

RT: 16.24 min Scan# 3064

Delta R.T. 0.00 min

Lab File: BE089503.D

Acq: 5 Feb 2015 13:18

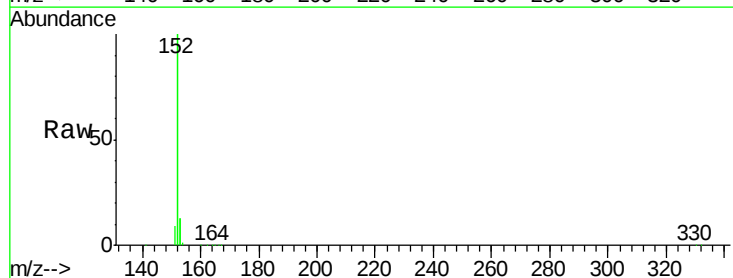
Tgt Ion:152 Resp: 166466

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

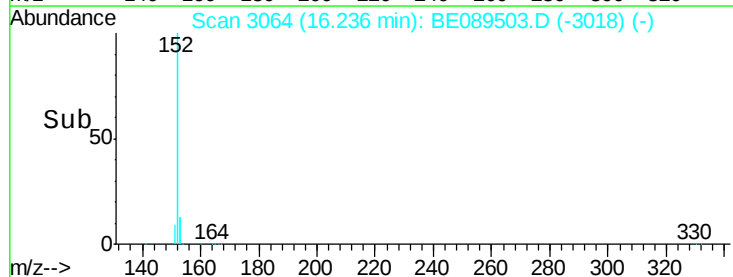
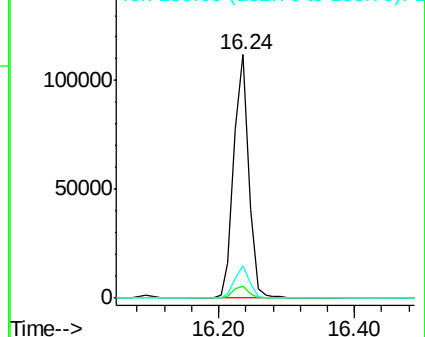
153 13.0 10.4 15.6

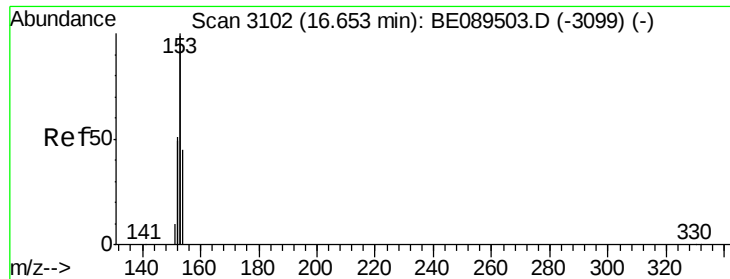


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 1.17 ng

RT: 16.65 min Scan# 3102

Delta R.T. 0.00 min

Lab File: BE089503.D

Acq: 5 Feb 2015 13:18

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

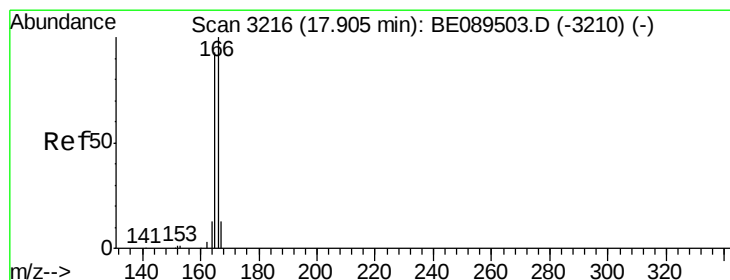
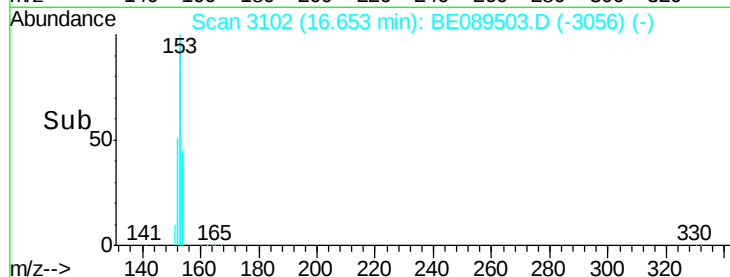
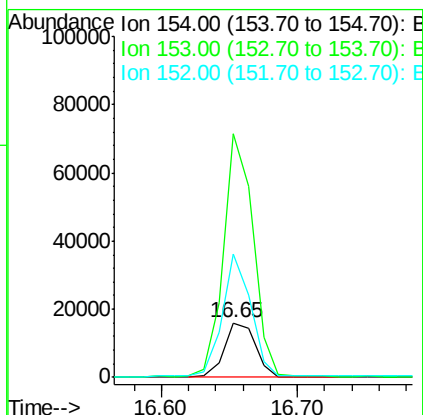
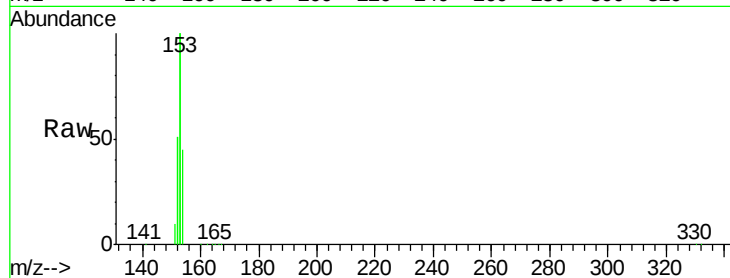
Tgt Ion:154 Resp: 25298

Ion Ratio Lower Upper

154 100

153 426.9 341.5 512.3

152 208.2 166.6 249.8



#10

Fluorene

Concen: 1.22 ng

RT: 17.90 min Scan# 3216

Delta R.T. 0.00 min

Lab File: BE089503.D

Acq: 5 Feb 2015 13:18

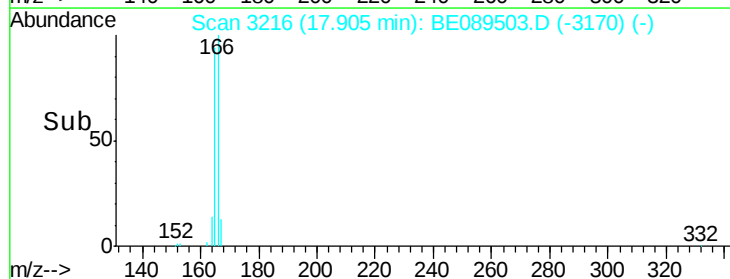
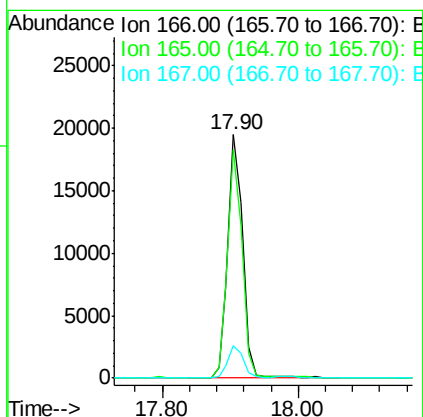
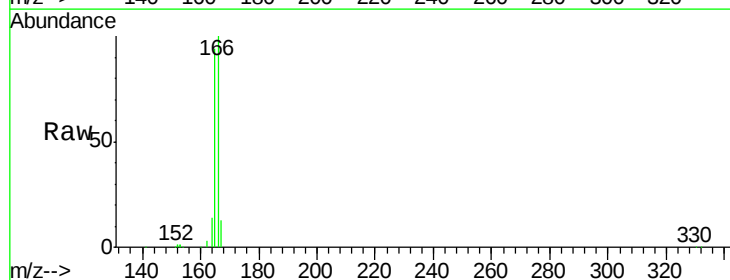
Tgt Ion:166 Resp: 29308

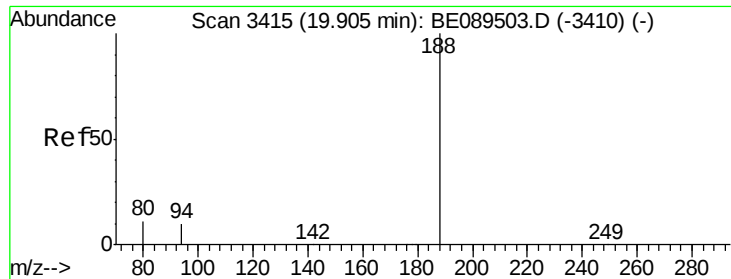
Ion Ratio Lower Upper

166 100

165 92.0 73.6 110.4

167 13.2 10.6 15.8

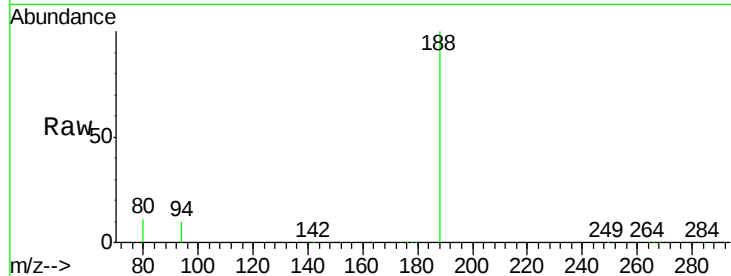




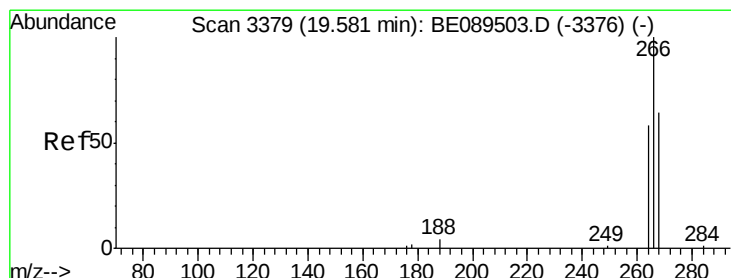
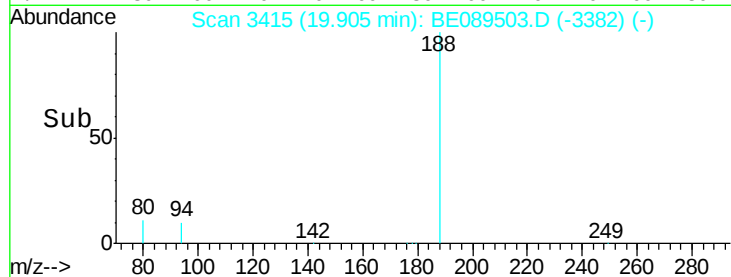
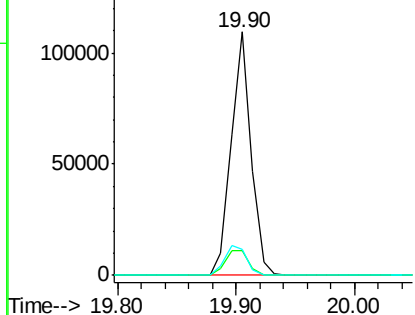
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.90 min Scan# 3415
Delta R.T. 0.00 min
Lab File: BE089503.D
Acq: 5 Feb 2015 13:18

Instrument :
BNA_E
LabSampleId :
SSTDICCC001

Tgt Ion:188 Resp: 128634
Ion Ratio Lower Upper
188 100
94 10.3 8.2 12.4
80 10.9 8.7 13.1

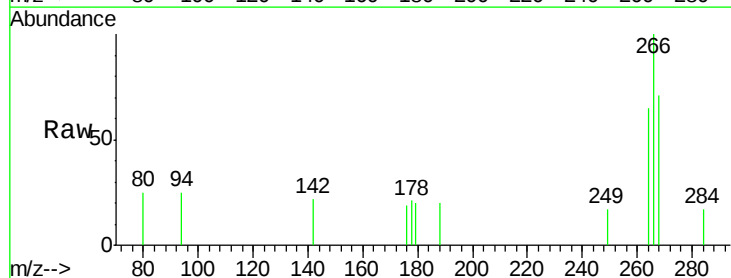


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

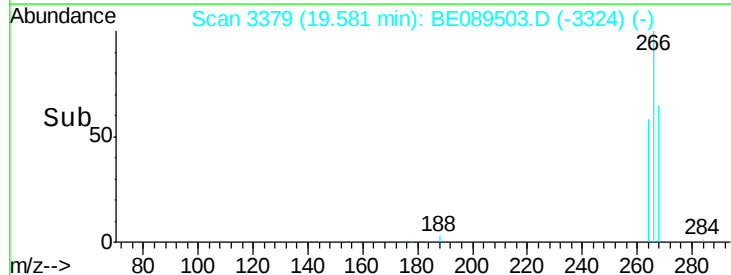
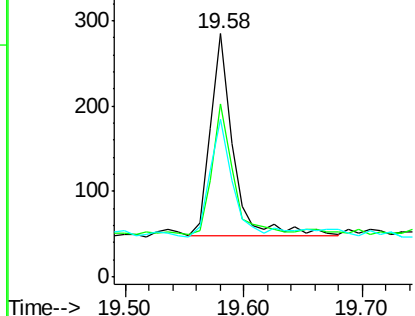


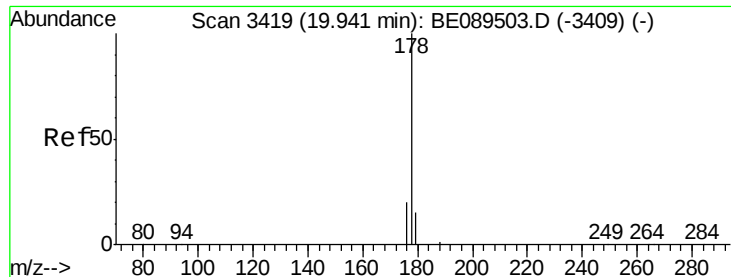
#12
Pentachlorophenol
Concen: 0.25 ng
RT: 19.58 min Scan# 3379
Delta R.T. 0.00 min
Lab File: BE089503.D
Acq: 5 Feb 2015 13:18

Tgt Ion:266 Resp: 317
Ion Ratio Lower Upper
266 100
268 70.9 56.7 85.1
264 64.9 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

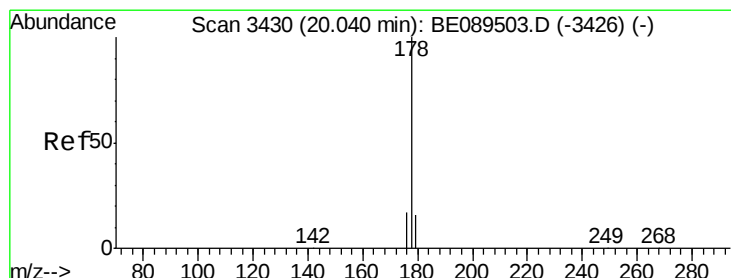
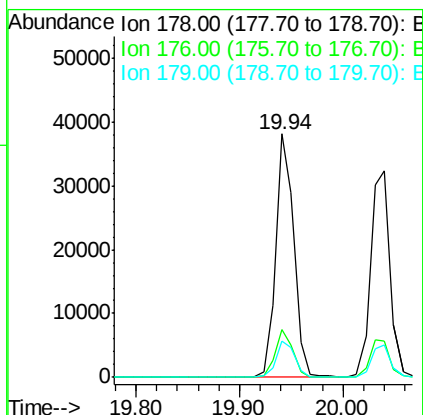
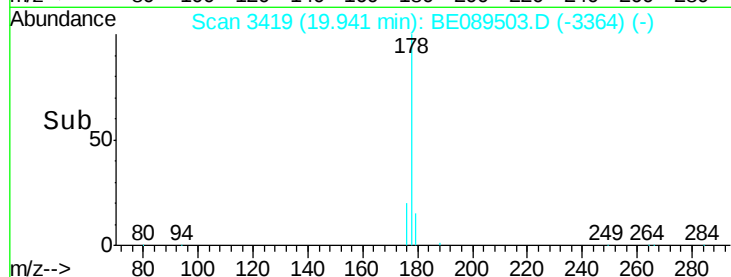
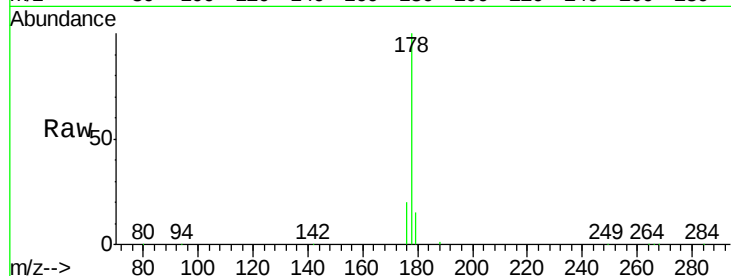




#13
Phenanthrene
Concen: 1.18 ng
RT: 19.94 min Scan# 3419
Delta R.T. 0.00 min
Lab File: BE089503.D
Acq: 5 Feb 2015 13:18

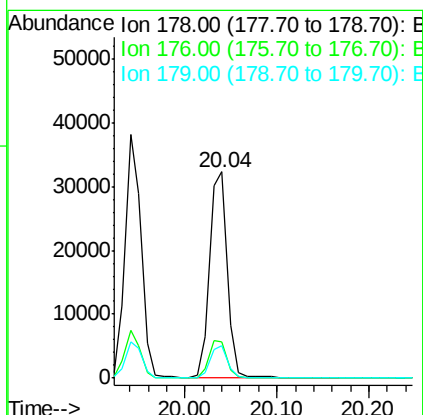
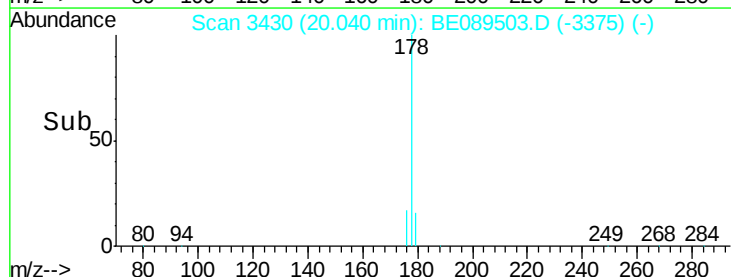
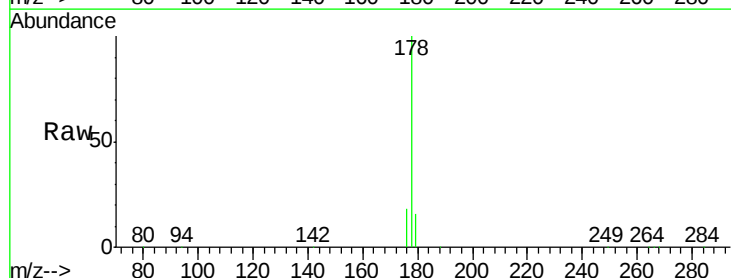
Instrument :
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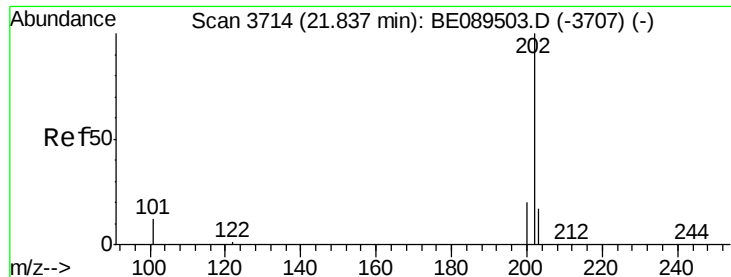
Tgt Ion:178 Resp: 46246
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.5 12.4 18.6



#14
Anthracene
Concen: 1.23 ng
RT: 20.04 min Scan# 3430
Delta R.T. 0.00 min
Lab File: BE089503.D
Acq: 5 Feb 2015 13:18

Tgt Ion:178 Resp: 42845
Ion Ratio Lower Upper
178 100
176 18.3 14.6 22.0
179 15.1 12.1 18.1

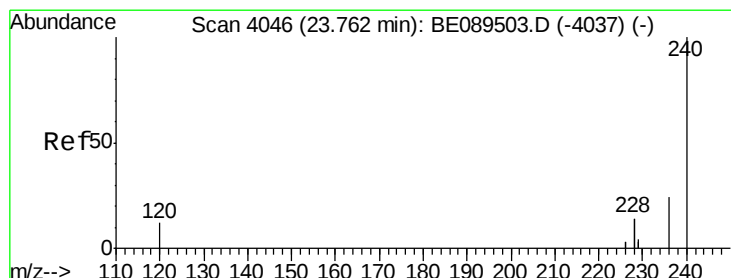
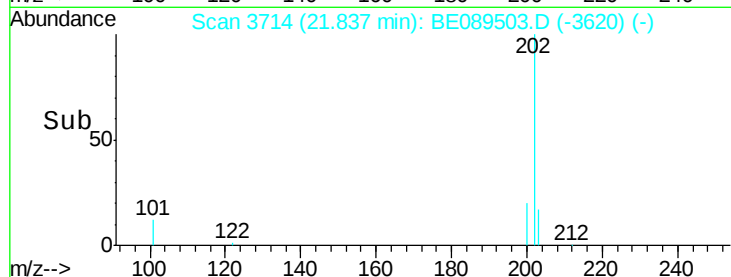
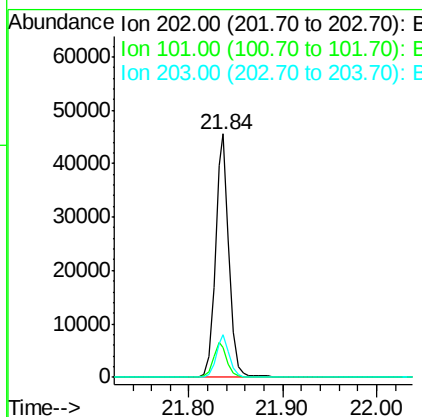
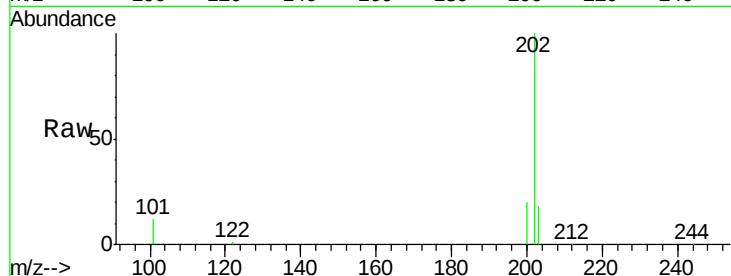




#15
 Fluoranthene
 Concen: 1.24 ng
 RT: 21.84 min Scan# 3714
 Delta R.T. 0.00 min
 Lab File: BE089503.D
 Acq: 5 Feb 2015 13:18

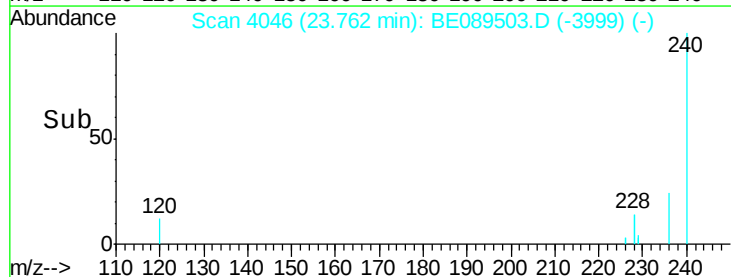
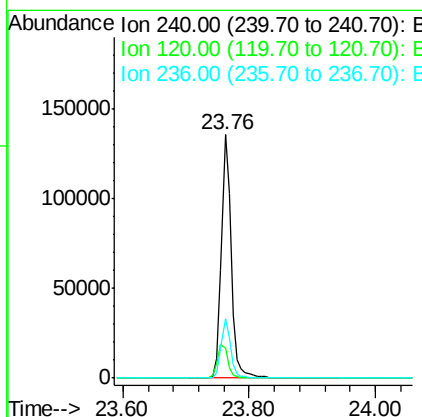
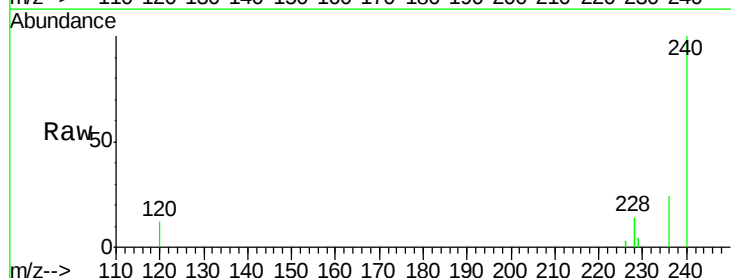
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

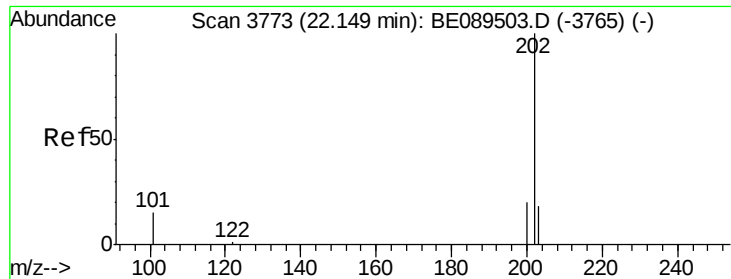
Tgt Ion: 202 Resp: 46146
 Ion Ratio Lower Upper
 202 100
 101 14.1 11.3 16.9
 203 17.2 13.8 20.6



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.76 min Scan# 4046
 Delta R.T. 0.00 min
 Lab File: BE089503.D
 Acq: 5 Feb 2015 13:18

Tgt Ion: 240 Resp: 143431
 Ion Ratio Lower Upper
 240 100
 120 12.0 9.6 14.4
 236 24.3 19.4 29.2

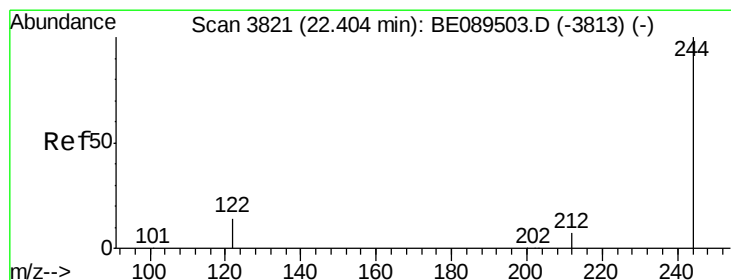
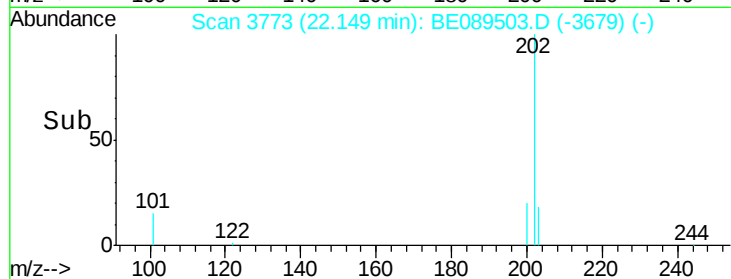
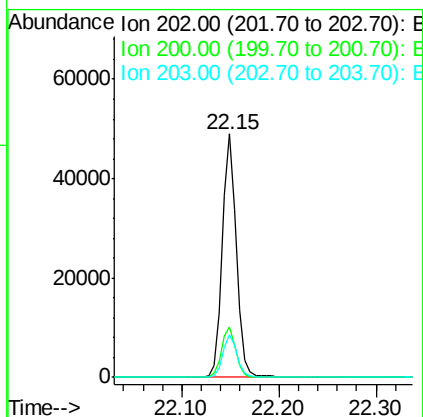
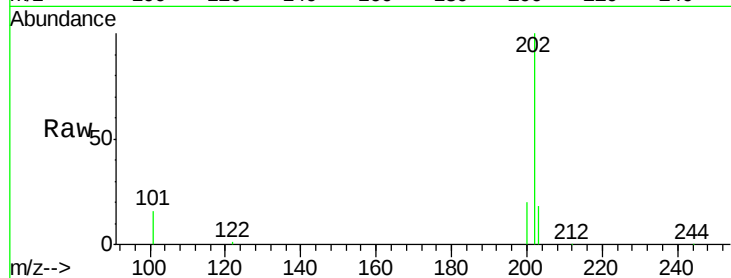




#17
 Pyrene
 Concen: 1.20 ng
 RT: 22.15 min Scan# 3773
 Delta R.T. 0.00 min
 Lab File: BE089503.D
 Acq: 5 Feb 2015 13:18

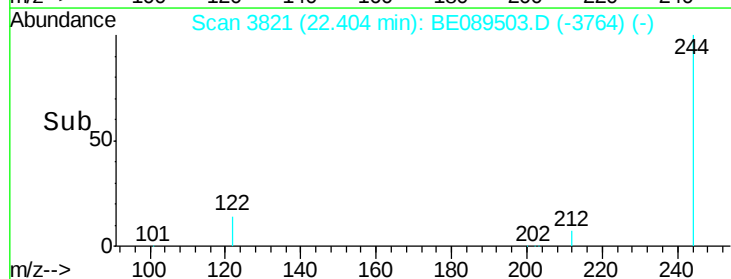
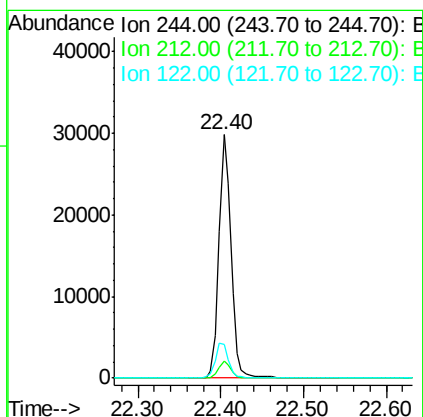
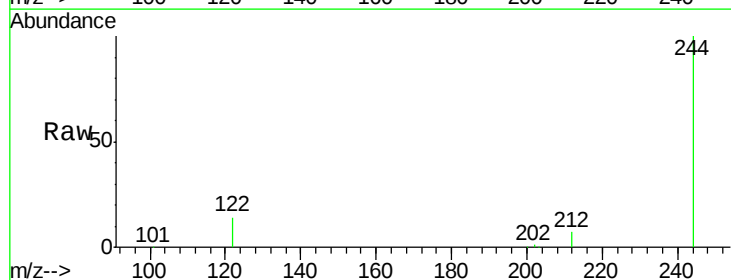
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

Tgt Ion:202 Resp: 49120
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.5 24.7
 203 17.5 14.0 21.0



#18
 Terphenyl-d14
 Concen: 1.20 ng
 RT: 22.40 min Scan# 3821
 Delta R.T. 0.00 min
 Lab File: BE089503.D
 Acq: 5 Feb 2015 13:18

Tgt Ion:244 Resp: 29874
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 13.9 11.1 16.7





#19

Benzo(a)anthracene

Concen: 1.21 ng

RT: 23.75 min Scan# 4044

Delta R.T. 0.00 min

Lab File: BE089503.D

Acq: 5 Feb 2015 13:18

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

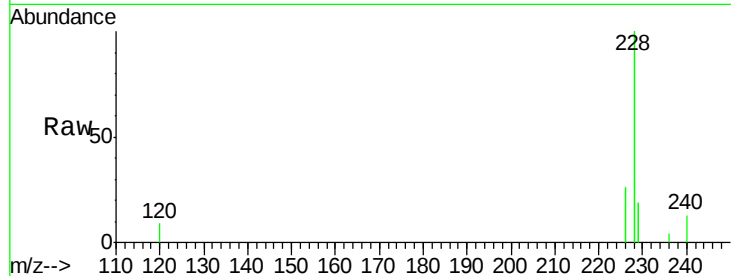
Tgt Ion:228 Resp: 190352

Ion Ratio Lower Upper

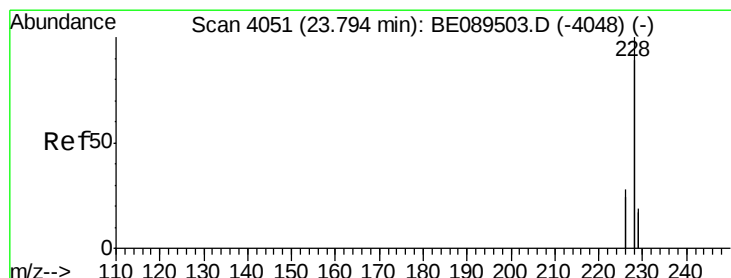
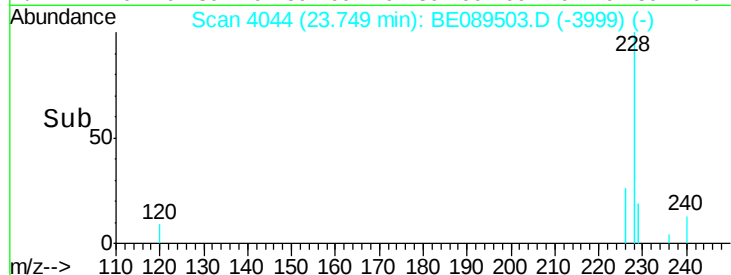
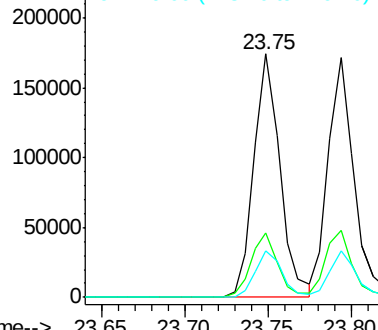
228 100

226 26.3 21.0 31.6

229 19.4 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: 1.20 ng

RT: 23.79 min Scan# 4051

Delta R.T. 0.00 min

Lab File: BE089503.D

Acq: 5 Feb 2015 13:18

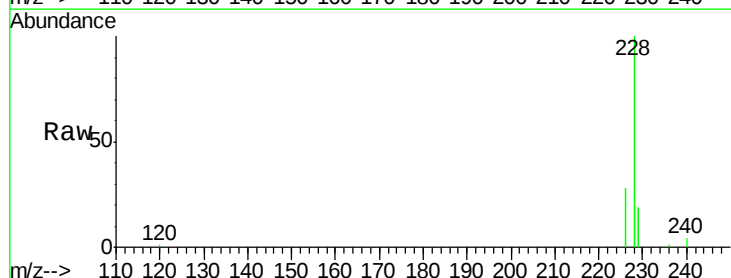
Tgt Ion:228 Resp: 193892

Ion Ratio Lower Upper

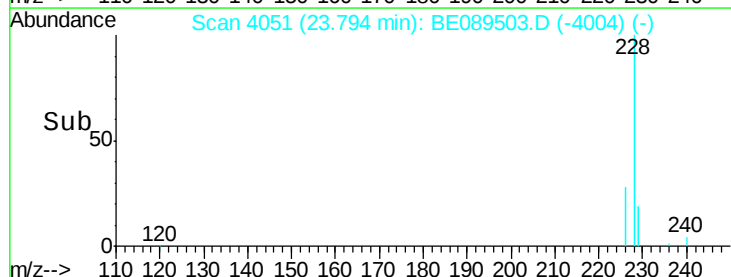
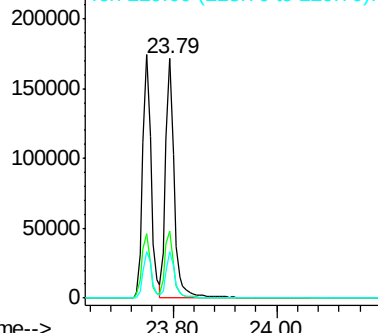
228 100

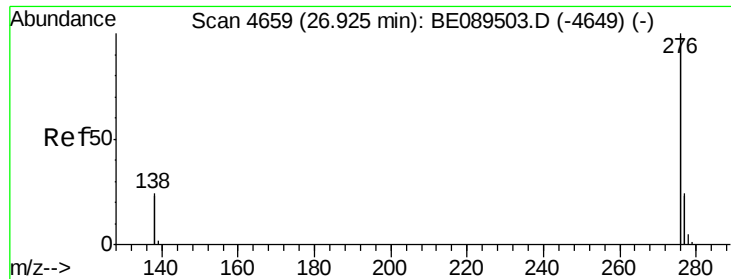
226 27.9 22.3 33.5

229 19.2 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: 1.33 ng

RT: 26.93 min Scan# 4659

Delta R.T. 0.00 min

Lab File: BE089503.D

Acq: 5 Feb 2015 13:18

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

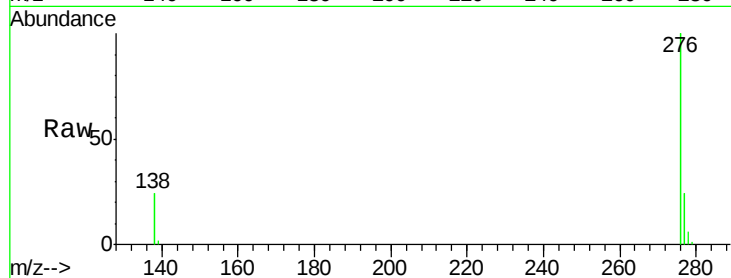
Tgt Ion:276 Resp: 223160

Ion Ratio Lower Upper

276 100

138 29.0 23.2 34.8

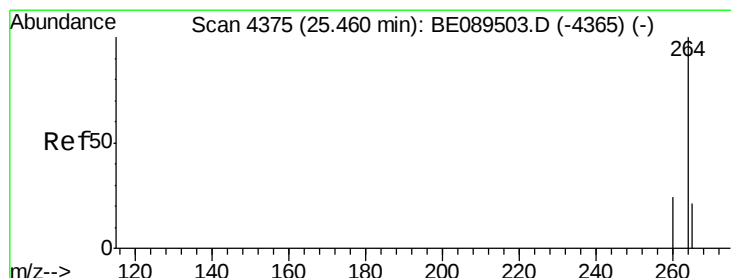
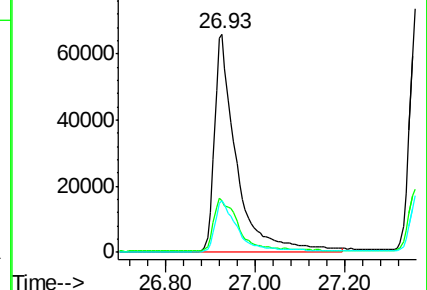
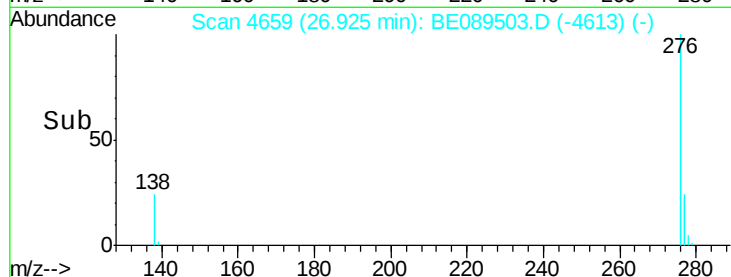
277 24.7 19.8 29.6



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: BE089503.D

Acq: 5 Feb 2015 13:18

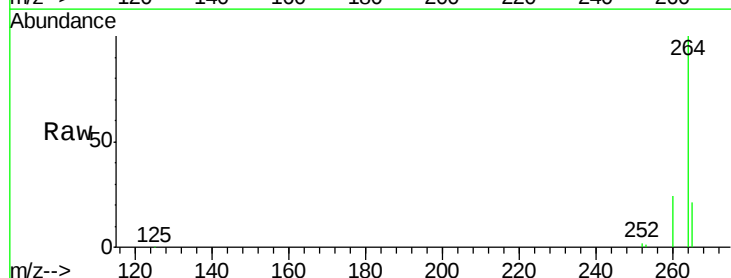
Tgt Ion:264 Resp: 145552

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.6

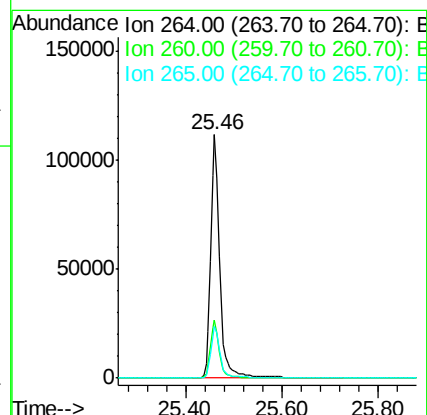
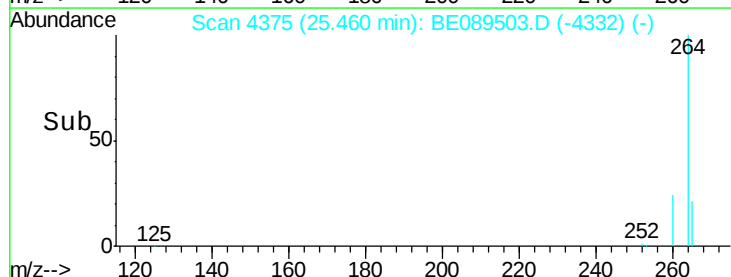
265 21.3 17.0 25.6



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: 1.22 ng

RT: 25.02 min Scan# 4278

Delta R.T. 0.00 min

Lab File: BE089503.D

Acq: 5 Feb 2015 13:18

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

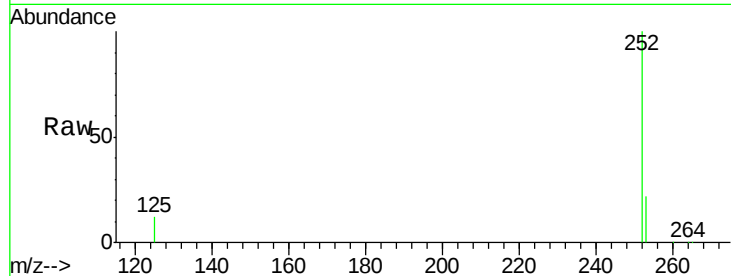
Tgt Ion: 252 Resp: 41159

Ion Ratio Lower Upper

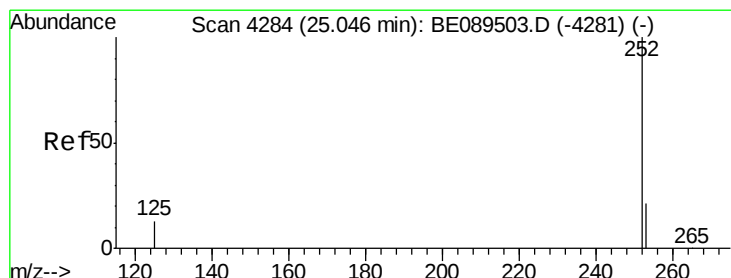
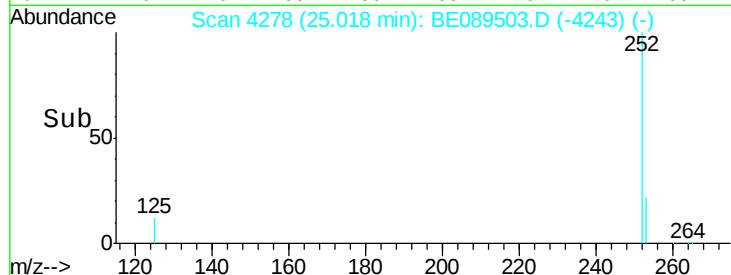
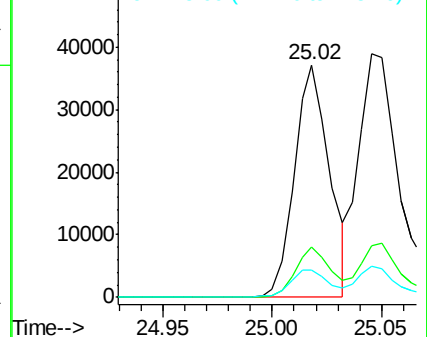
252 100

253 21.7 17.4 26.0

125 12.0 9.6 14.4



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



#24

Benzo(k)fluoranthene

Concen: 1.20 ng

RT: 25.05 min Scan# 4284

Delta R.T. 0.00 min

Lab File: BE089503.D

Acq: 5 Feb 2015 13:18

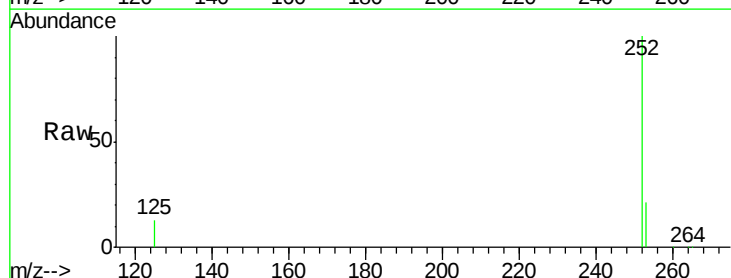
Tgt Ion: 252 Resp: 55685

Ion Ratio Lower Upper

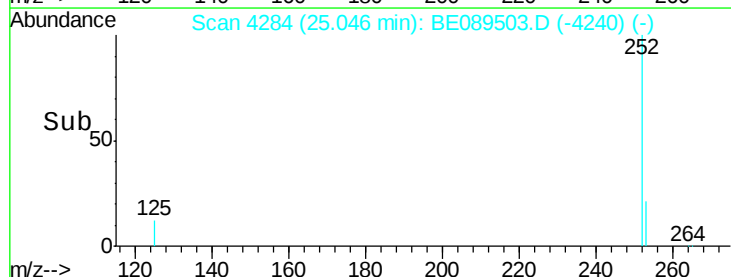
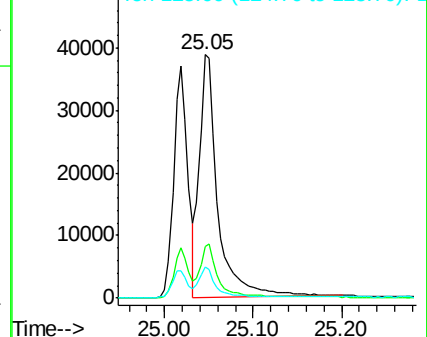
252 100

253 21.3 17.0 25.6

125 12.8 10.2 15.4



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





#25

Benzo(a)pyrene

Concen: 1.23 ng

RT: 25.39 min Scan# 4360

Delta R.T. 0.00 min

Lab File: BE089503.D

Acq: 5 Feb 2015 13:18

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

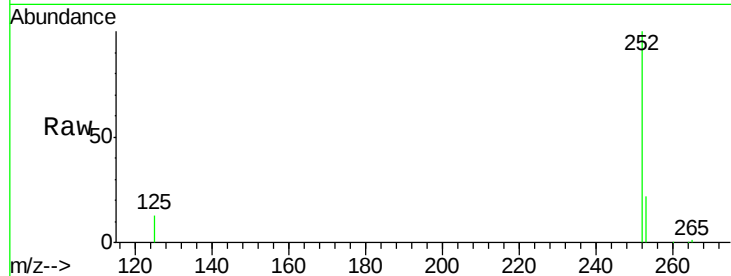
Tgt Ion:252 Resp: 42142

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

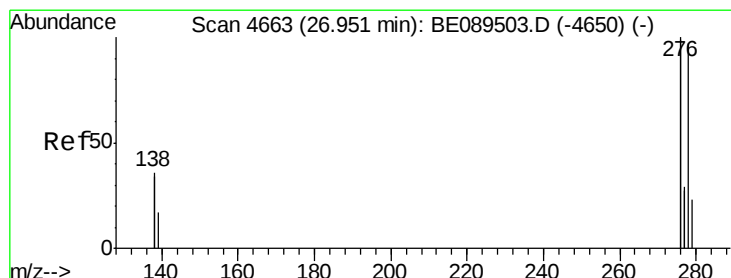
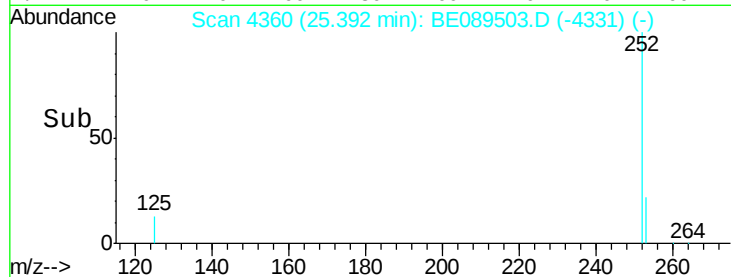
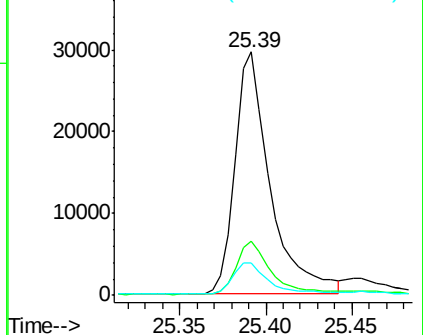
125 13.4 10.7 16.1



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: 1.29 ng

RT: 26.95 min Scan# 4663

Delta R.T. 0.00 min

Lab File: BE089503.D

Acq: 5 Feb 2015 13:18

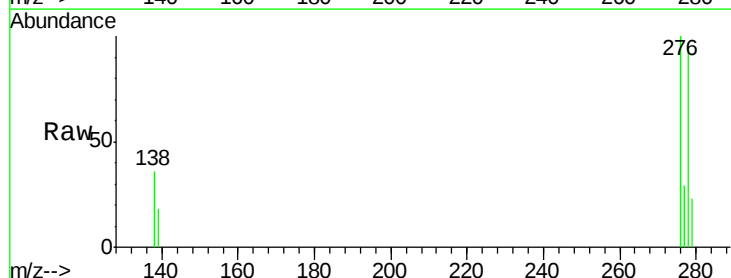
Tgt Ion:278 Resp: 47343

Ion Ratio Lower Upper

278 100

139 18.3 14.6 22.0

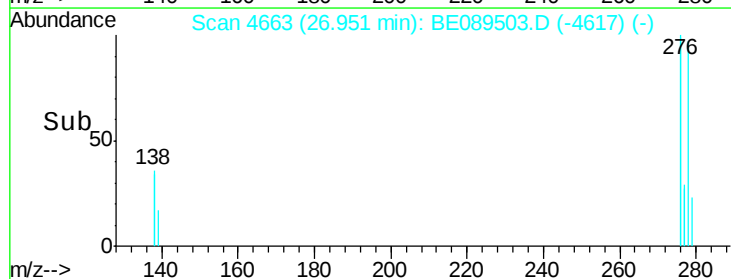
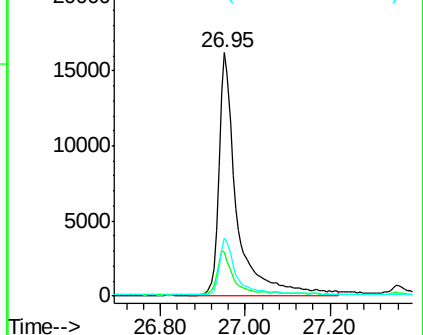
279 23.7 19.0 28.4



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: 1.25 ng

RT: 27.36 min Scan# 4725

Delta R.T. 0.00 min

Lab File: BE089503.D

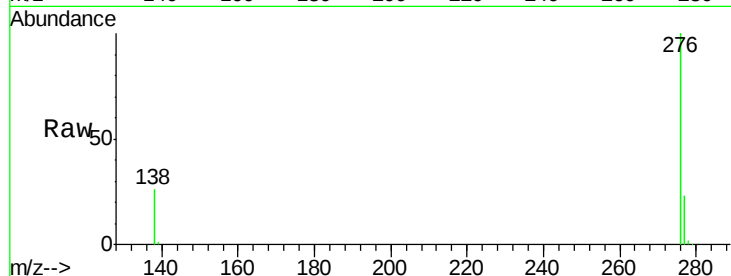
Acq: 5 Feb 2015 13:18

Instrument :

BNA_E

LabSampleId :

SSTDICCC001



Tgt Ion: 276 Resp: 186516

Ion Ratio Lower Upper

276 100

277 23.3 18.6 28.0

138 26.0 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

