

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020515\
 Data File : BE089504.D
 Acq On : 5 Feb 2015 14:06
 Operator : TP/IZ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Quant Time: Feb 06 02:49:31 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	29321	5.00	ng	0.00
2) Naphthalene-d8	12.40	136	117123	5.00	ng	0.00
6) Acenaphthene-d10	16.59	164	51363	5.00	ng	0.00
11) Phenanthrene-d10	19.90	188	97991	5.00	ng	0.00
16) Chrysene-d12	23.76	240	107509	5.00	ng	0.00
22) Perylene-d12	25.46	264	107750	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.76	82	6395	0.72	ng	0.00
7) 2-Fluorobiphenyl	15.03	172	11151	0.69	ng	0.00
18) Terphenyl-d14	22.40	244	12590	0.67	ng	0.00

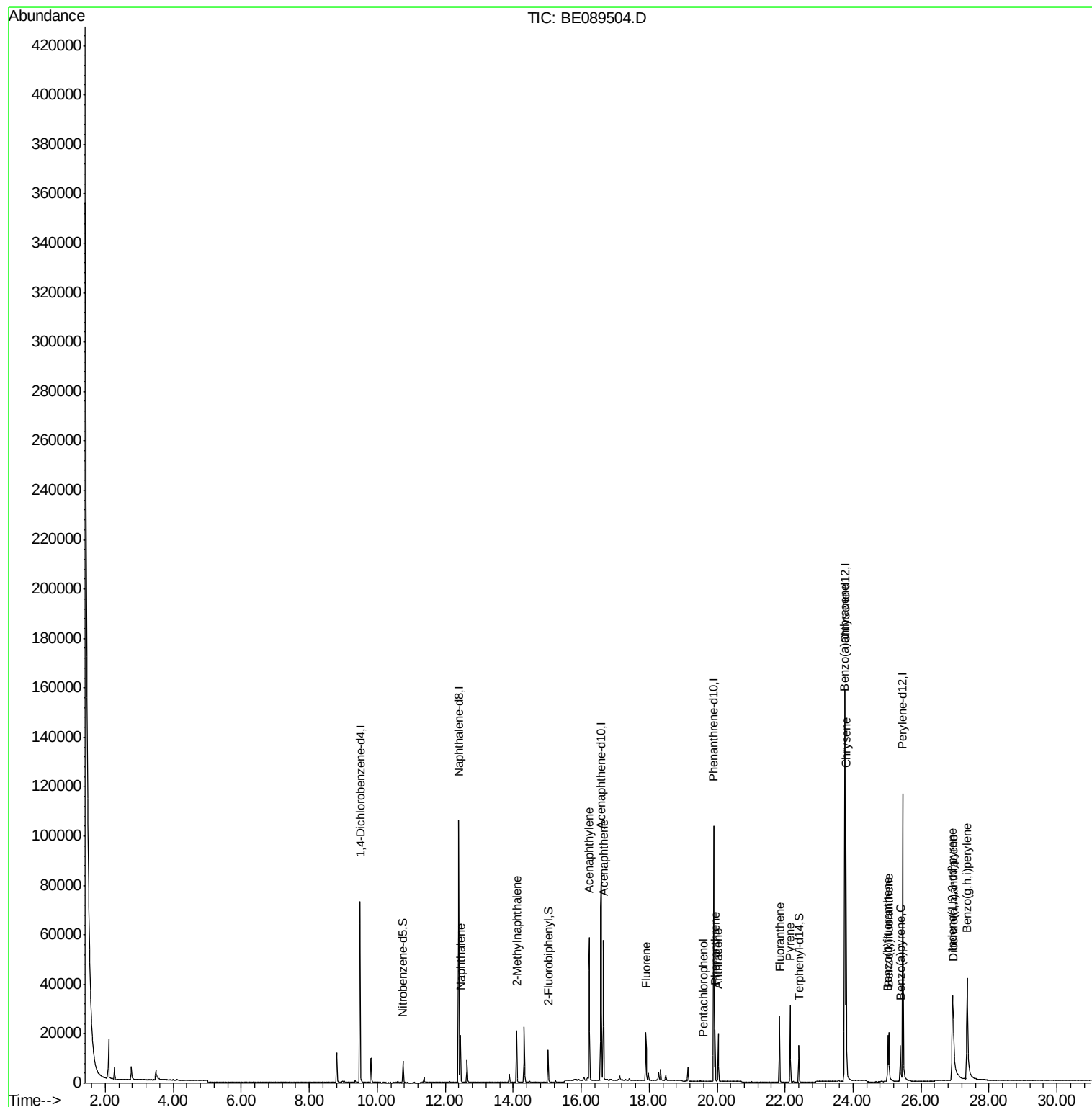
Target Compounds				Qvalue		
4) Naphthalene	12.45	128	21152	0.72	ng	100
5) 2-Methylnaphthalene	14.10	142	12839	0.66	ng	95
8) Acenaphthylene	16.24	152	75586	0.69	ng	100
9) Acenaphthene	16.65	154	11408	0.67	ng	98
10) Fluorene	17.91	166	12658	0.67	ng	98
12) Pentachlorophenol	19.60	266	37	0.04	ng	# 85
13) Phenanthrene	19.94	178	20368	0.68	ng	100
14) Anthracene	20.04	178	18318	0.69	ng	100
15) Fluoranthene	21.84	202	19252	0.68	ng	99
17) Pyrene	22.15	202	20661	0.67	ng	99
19) Benzo(a)anthracene	23.75	228	79161	0.67	ng	99
20) Chrysene	23.79	228	82015	0.68	ng	99
21) Indeno(1,2,3-cd)pyrene	26.92	276	88359	0.70	ng	98
23) Benzo(b)fluoranthene	25.02	252	15828	0.63	ng	98
24) Benzo(k)fluoranthene	25.05	252	23705	0.69	ng	98
25) Benzo(a)pyrene	25.39	252	16371	0.64	ng	99
26) Dibenzo(a,h)anthracene	26.95	278	18536	0.68	ng	96
27) Benzo(g,h,i)perylene	27.36	276	75204	0.68	ng	99

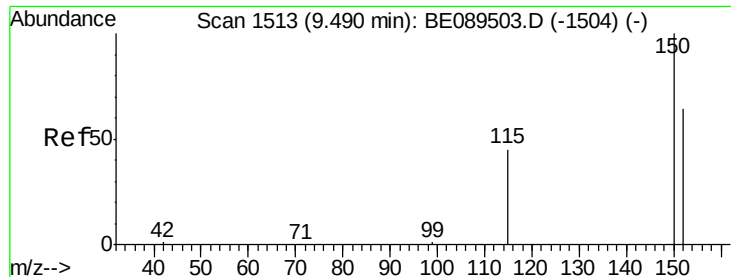
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020515\
Data File : BE089504.D
Acq On : 5 Feb 2015 14:06
Operator : TP/IZ
Sample : SSTDICC0.8
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDICC0.8

Quant Time: Feb 06 02:49:31 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# 1513

Delta R.T. -0.00 min

Lab File: BE089504.D

Acq: 5 Feb 2015 14:06

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

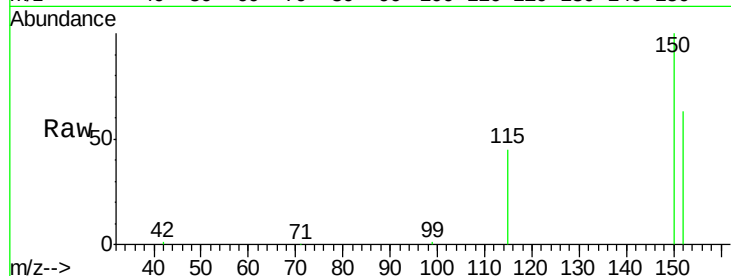
Tgt Ion:152 Resp: 29321

Ion Ratio Lower Upper

152 100

150 159.4 125.0 187.6

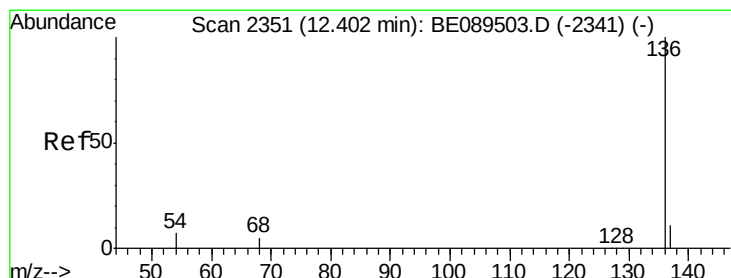
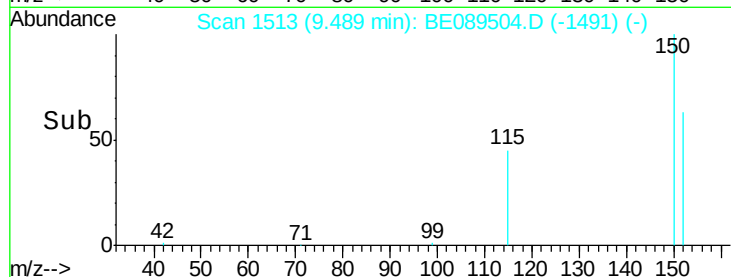
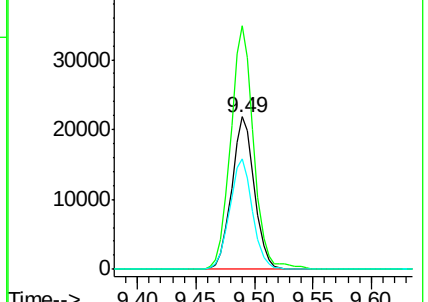
115 71.9 56.6 85.0



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: BE089504.D

Acq: 5 Feb 2015 14:06

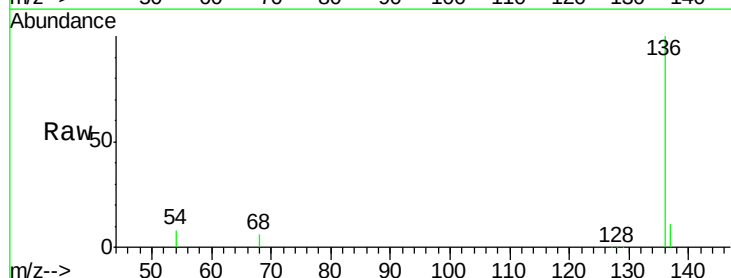
Tgt Ion:136 Resp: 117123

Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

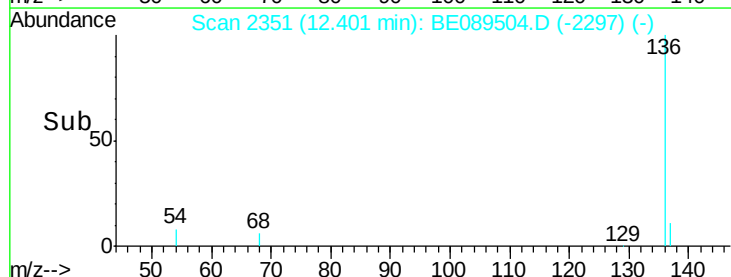
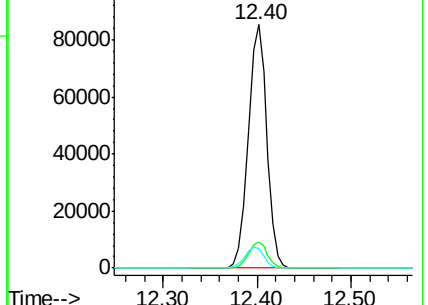
54 7.8 6.0 9.0

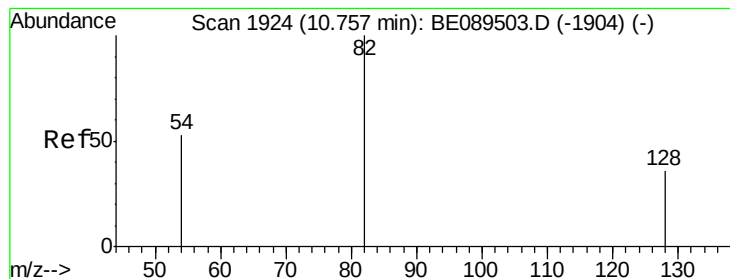


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 0.72 ng

RT: 10.76 min Scan# 1925

Delta R.T. 0.00 min

Lab File: BE089504.D

Acq: 5 Feb 2015 14:06

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

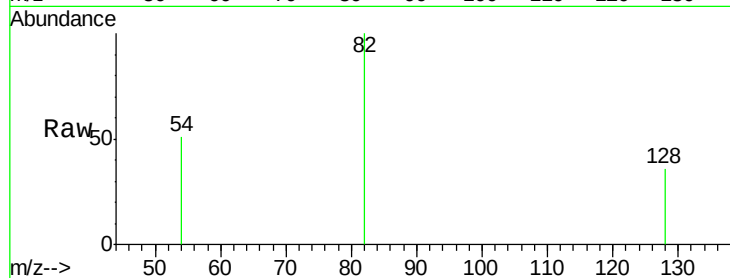
Tgt Ion: 82 Resp: 6395

Ion Ratio Lower Upper

82 100

128 36.4 29.3 43.9

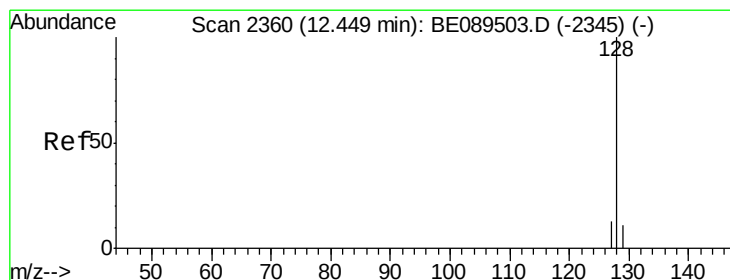
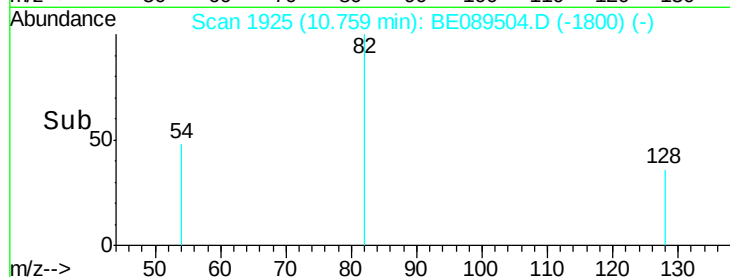
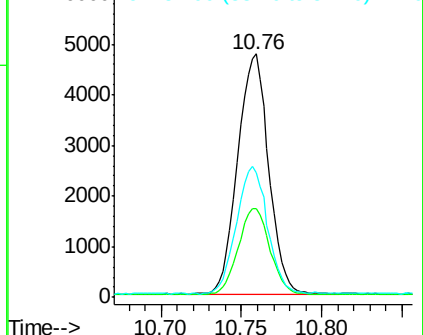
54 51.4 42.6 64.0



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: 0.72 ng

RT: 12.45 min Scan# 2360

Delta R.T. -0.00 min

Lab File: BE089504.D

Acq: 5 Feb 2015 14:06

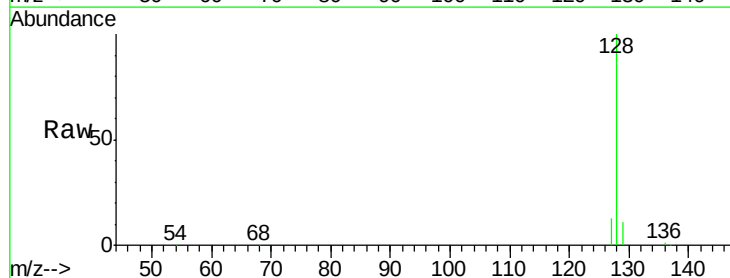
Tgt Ion: 128 Resp: 21152

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

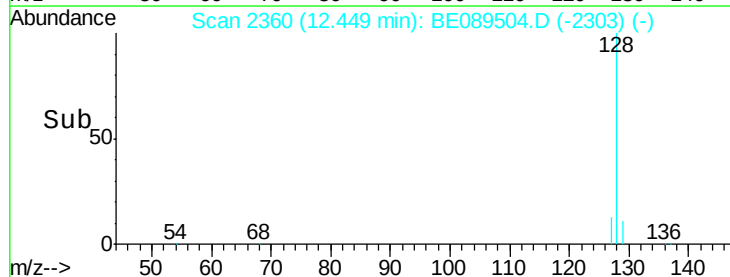
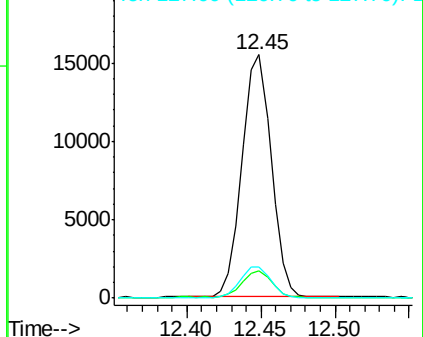
127 13.0 10.3 15.5

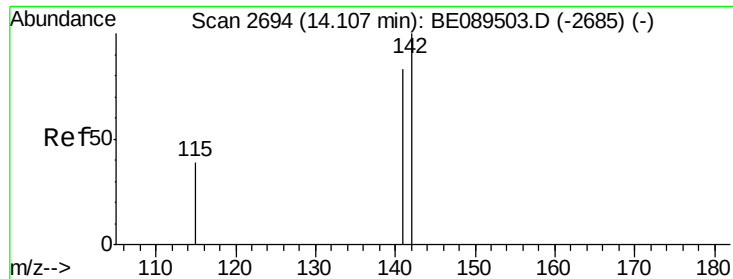


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#5

2-Methylnaphthalene

Concen: 0.66 ng

RT: 14.10 min Scan# 2693

Delta R.T. -0.00 min

Lab File: BE089504.D

Acq: 5 Feb 2015 14:06

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

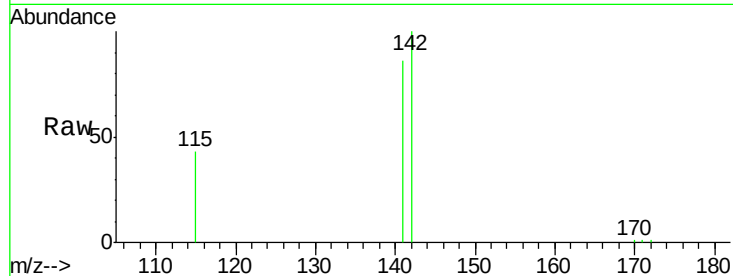
Tgt Ion:142 Resp: 12839

Ion Ratio Lower Upper

142 100

141 86.5 66.3 99.5

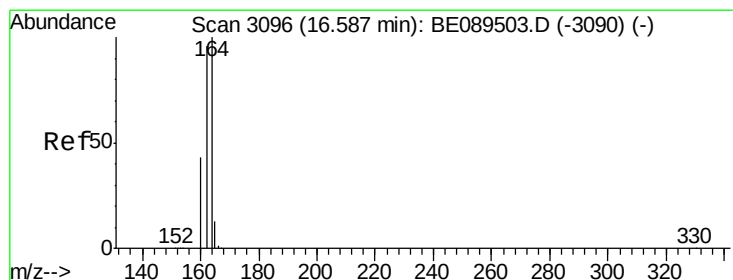
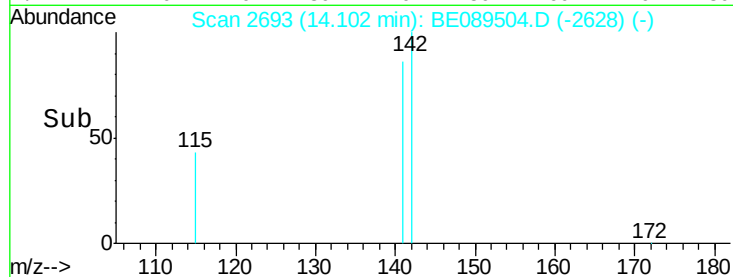
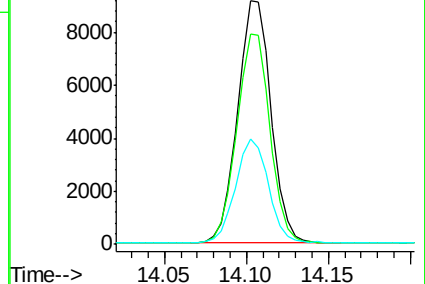
115 43.3 31.1 46.7



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: BE089504.D

Acq: 5 Feb 2015 14:06

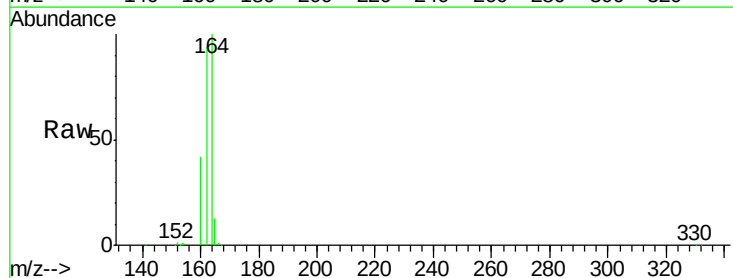
Tgt Ion:164 Resp: 51363

Ion Ratio Lower Upper

164 100

162 94.2 76.6 115.0

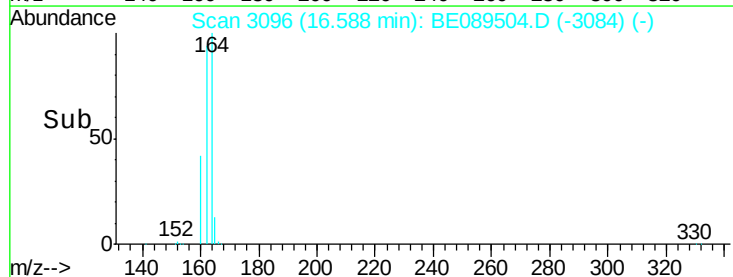
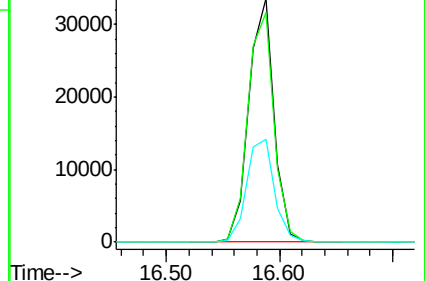
160 42.3 34.6 52.0

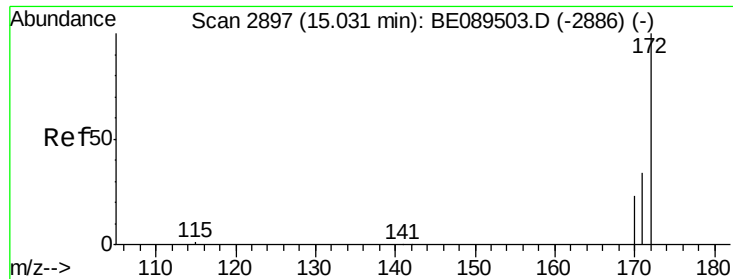


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 0.69 ng

RT: 15.03 min Scan# 2897

Delta R.T. 0.00 min

Lab File: BE089504.D

Acq: 5 Feb 2015 14:06

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

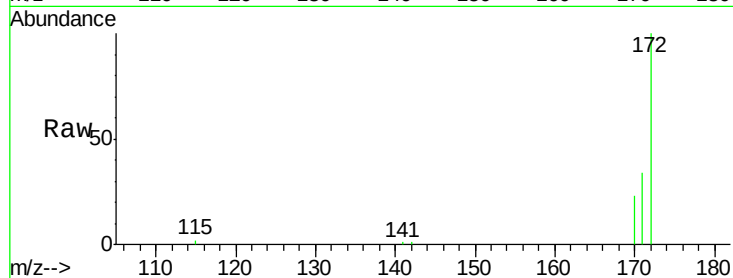
Tgt Ion:172 Resp: 11151

Ion Ratio Lower Upper

172 100

171 33.7 27.4 41.0

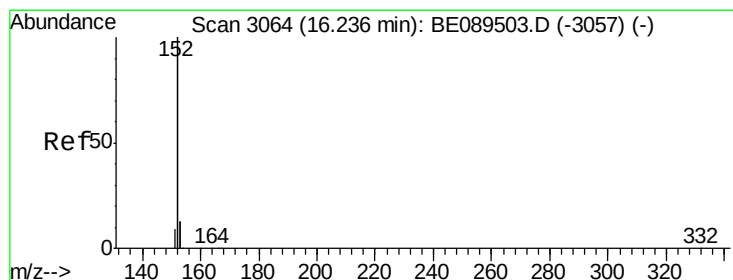
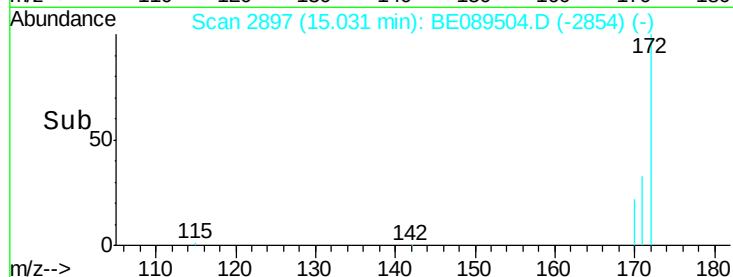
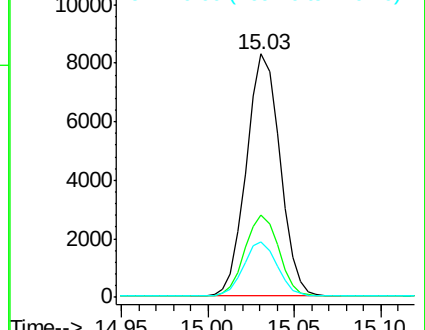
170 22.9 18.4 27.6



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: 0.69 ng

RT: 16.24 min Scan# 3064

Delta R.T. 0.00 min

Lab File: BE089504.D

Acq: 5 Feb 2015 14:06

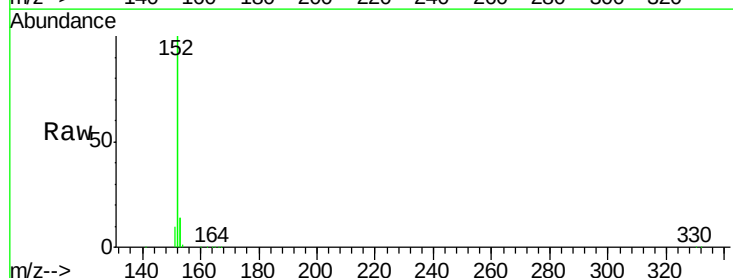
Tgt Ion:152 Resp: 75586

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

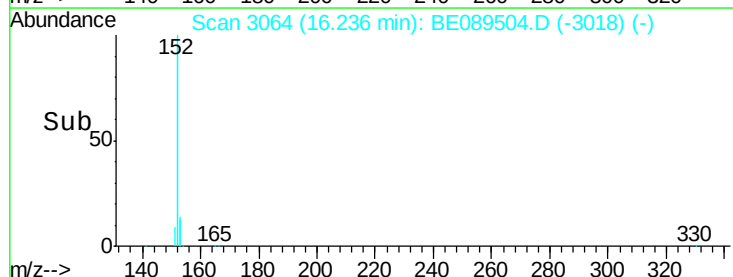
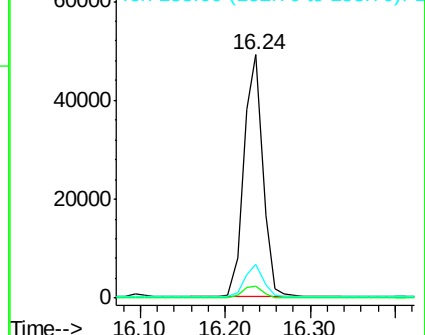
153 12.8 10.4 15.6

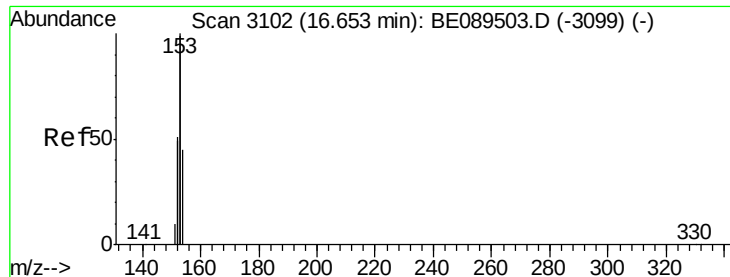


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.67 ng

RT: 16.65 min Scan# 3102

Delta R.T. 0.00 min

Lab File: BE089504.D

Acq: 5 Feb 2015 14:06

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

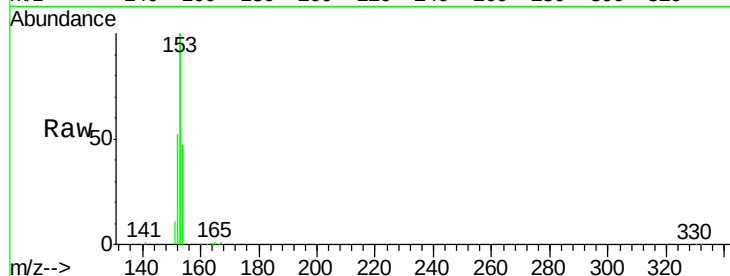
Tgt Ion:154 Resp: 11408

Ion Ratio Lower Upper

154 100

153 430.1 341.5 512.3

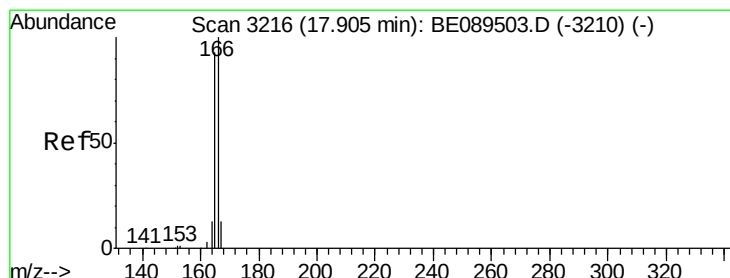
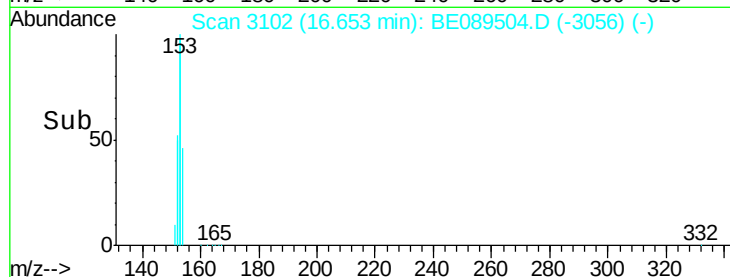
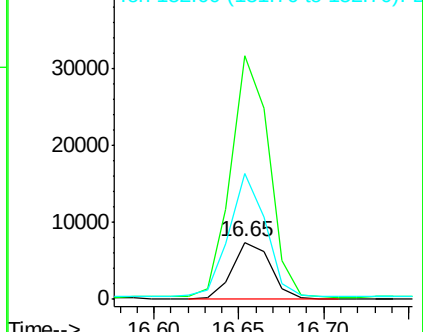
152 214.8 166.6 249.8



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: 0.67 ng

RT: 17.91 min Scan# 3216

Delta R.T. 0.00 min

Lab File: BE089504.D

Acq: 5 Feb 2015 14:06

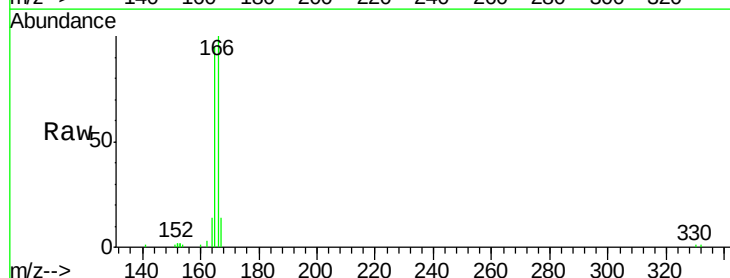
Tgt Ion:166 Resp: 12658

Ion Ratio Lower Upper

166 100

165 93.8 73.6 110.4

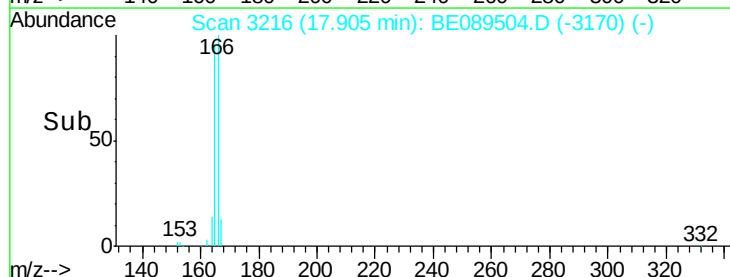
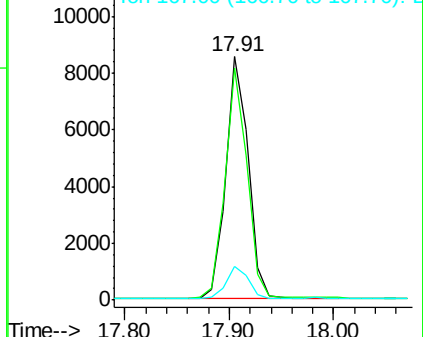
167 13.1 10.6 15.8

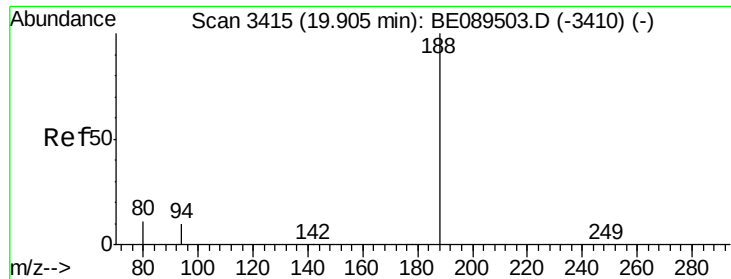


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

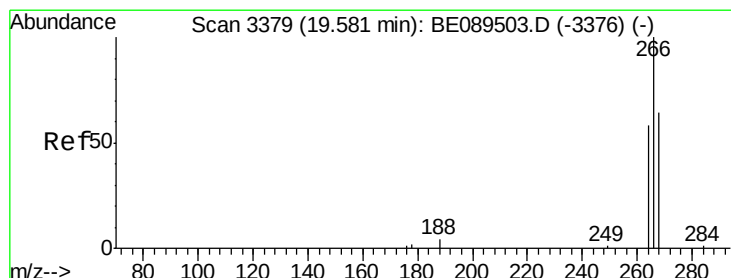
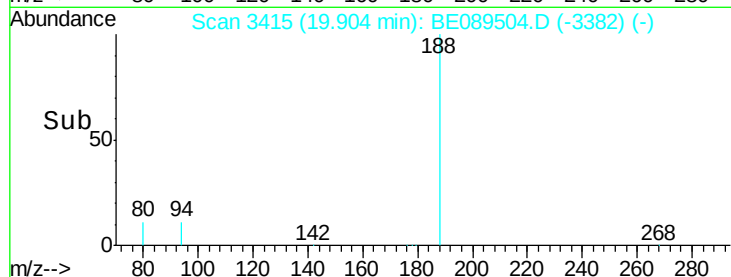
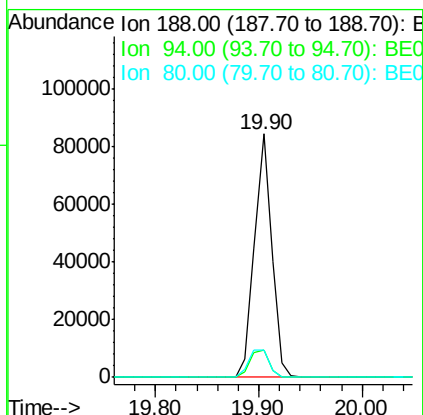
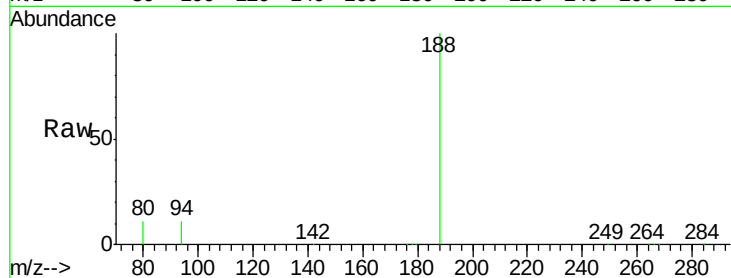




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.90 min Scan# 3415
Delta R.T. -0.00 min
Lab File: BE089504.D
Acq: 5 Feb 2015 14:06

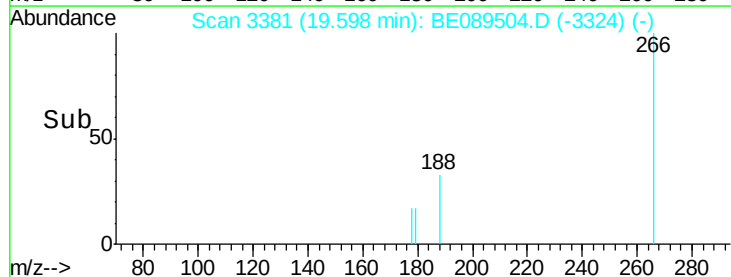
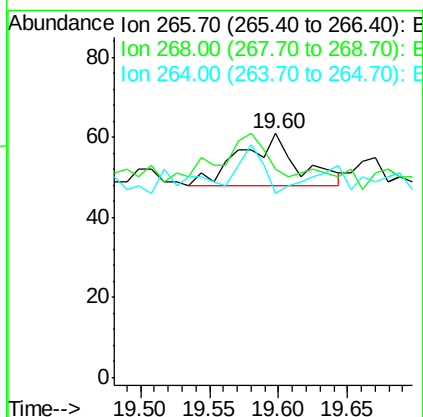
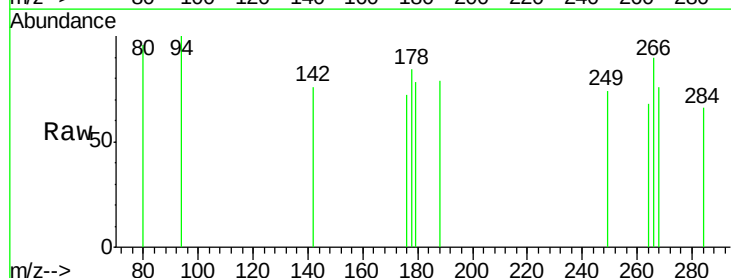
Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

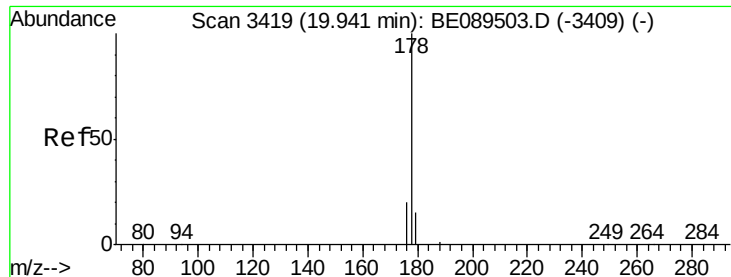
Tgt Ion:188 Resp: 97991
Ion Ratio Lower Upper
188 100
94 11.0 8.2 12.4
80 11.4 8.7 13.1



#12
Pentachlorophenol
Concen: 0.04 ng
RT: 19.60 min Scan# 3381
Delta R.T. 0.02 min
Lab File: BE089504.D
Acq: 5 Feb 2015 14:06

Tgt Ion:266 Resp: 37
Ion Ratio Lower Upper
266 100
268 85.2 56.7 85.1#
264 75.4 51.9 77.9

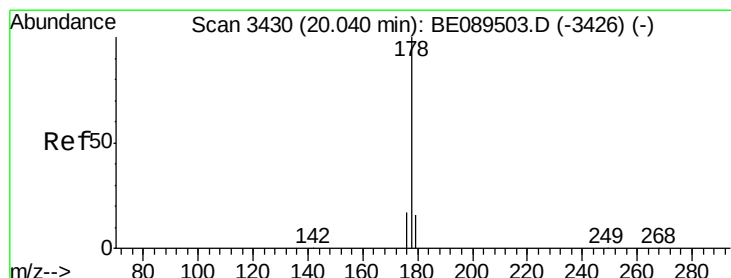
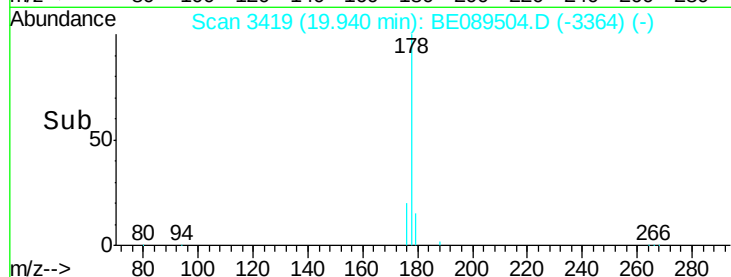
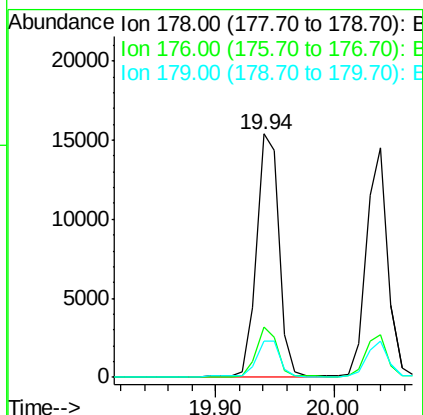
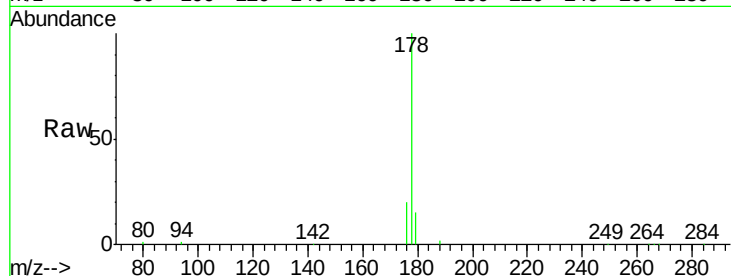




#13
Phenanthrene
Concen: 0.68 ng
RT: 19.94 min Scan# 3419
Delta R.T. -0.00 min
Lab File: BE089504.D
Acq: 5 Feb 2015 14:06

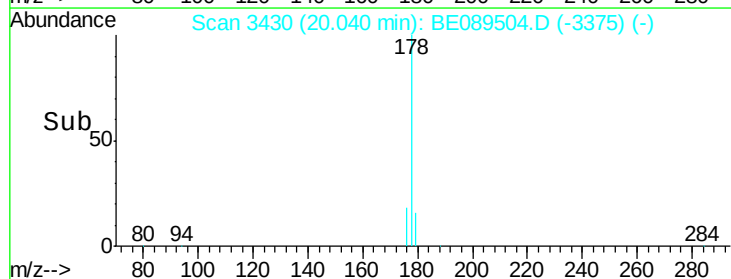
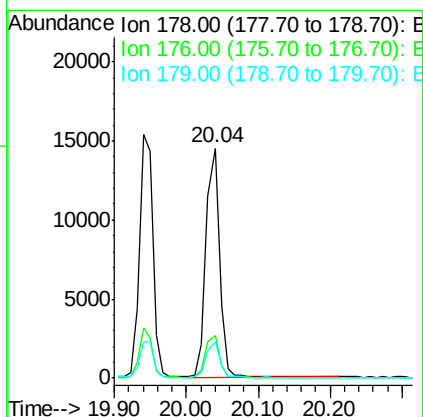
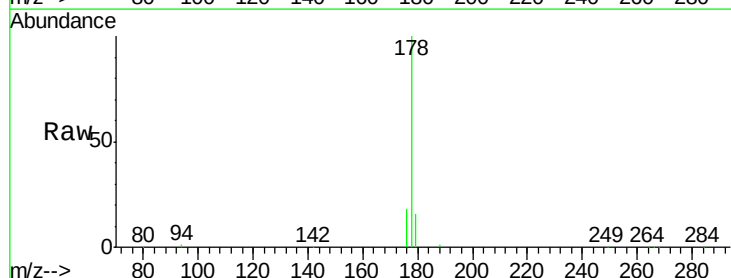
Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

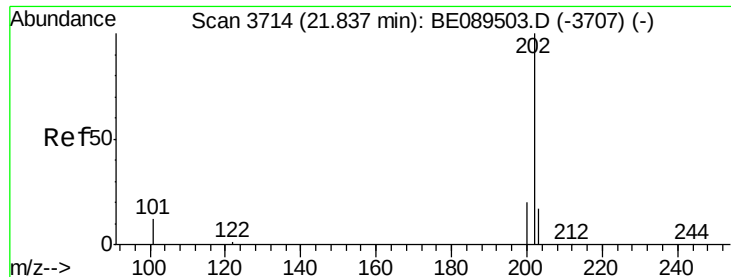
Tgt Ion:178 Resp: 20368
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.7 12.4 18.6



#14
Anthracene
Concen: 0.69 ng
RT: 20.04 min Scan# 3430
Delta R.T. -0.00 min
Lab File: BE089504.D
Acq: 5 Feb 2015 14:06

Tgt Ion:178 Resp: 18318
Ion Ratio Lower Upper
178 100
176 18.3 14.6 22.0
179 15.0 12.1 18.1

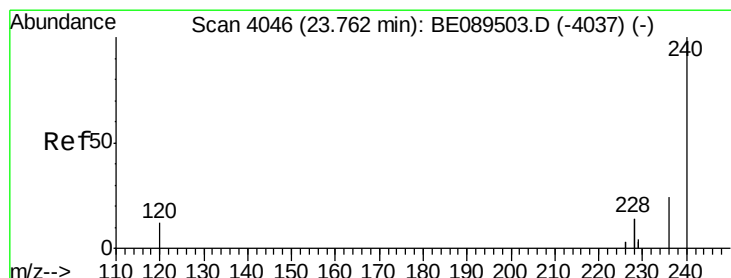
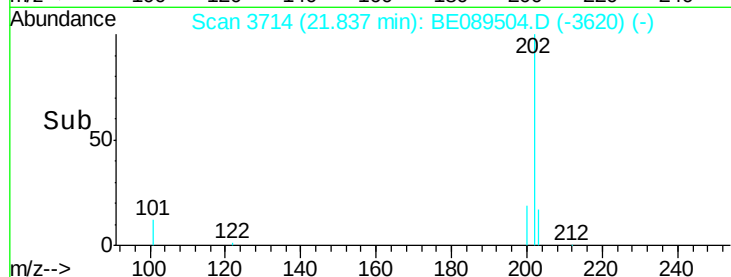
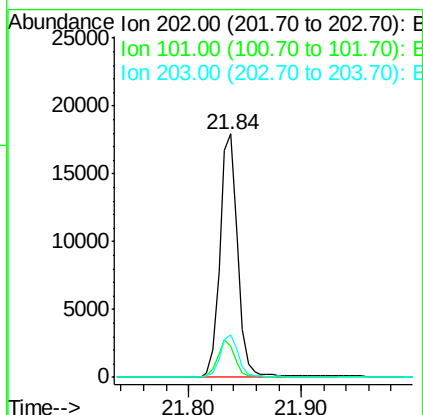
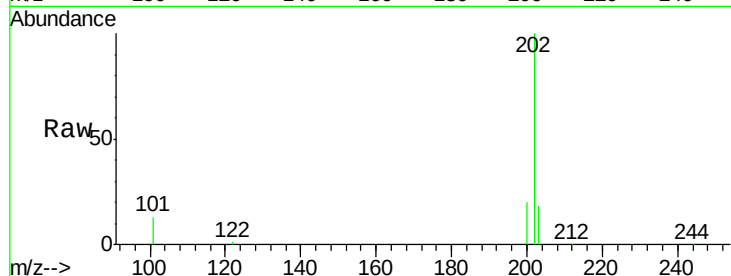




#15
Fluoranthene
Concen: 0.68 ng
RT: 21.84 min Scan# 3714
Delta R.T. 0.00 min
Lab File: BE089504.D
Acq: 5 Feb 2015 14:06

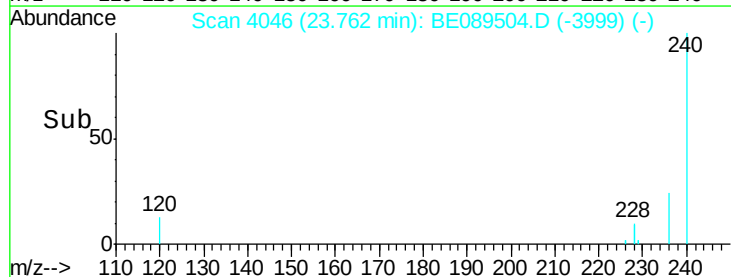
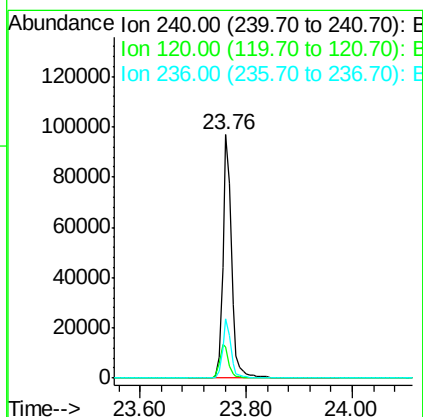
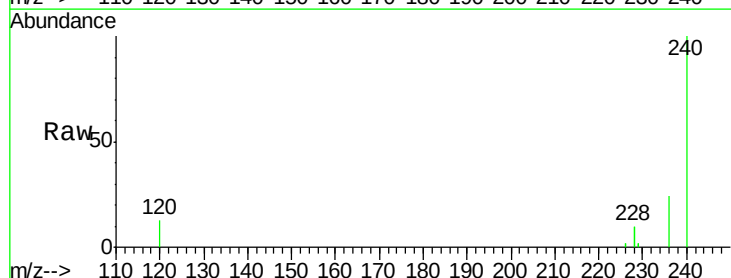
Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

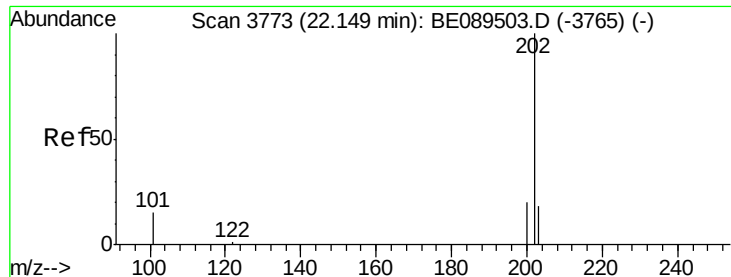
Tgt Ion: 202 Resp: 19252
Ion Ratio Lower Upper
202 100
101 14.5 11.3 16.9
203 17.4 13.8 20.6



#16
Chrysene-d12
Concen: 5.00 ng
RT: 23.76 min Scan# 4046
Delta R.T. 0.00 min
Lab File: BE089504.D
Acq: 5 Feb 2015 14:06

Tgt Ion: 240 Resp: 107509
Ion Ratio Lower Upper
240 100
120 12.7 9.6 14.4
236 24.5 19.4 29.2

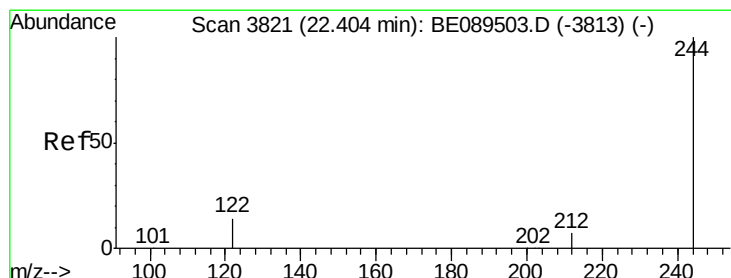
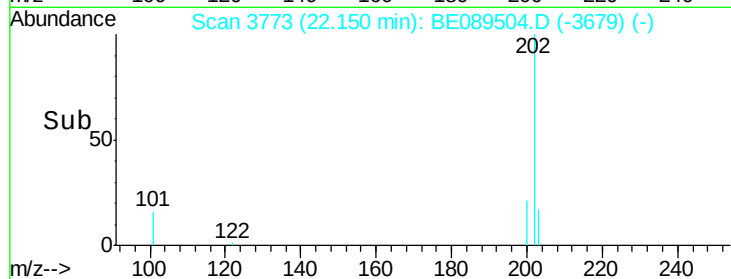
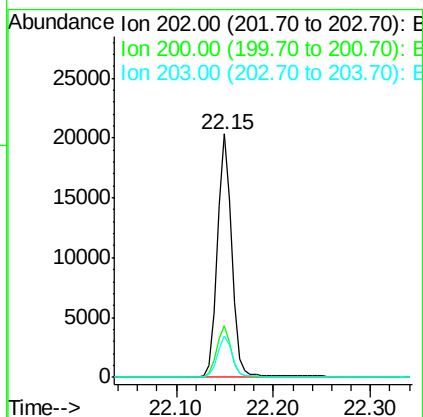
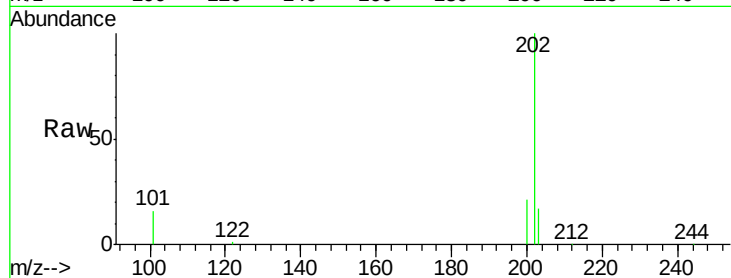




#17
 Pyrene
 Concen: 0.67 ng
 RT: 22.15 min Scan# 3773
 Delta R.T. 0.00 min
 Lab File: BE089504.D
 Acq: 5 Feb 2015 14:06

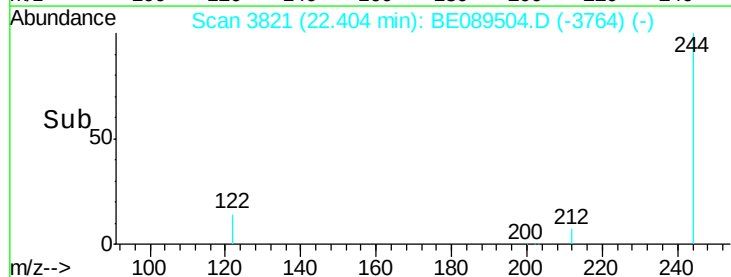
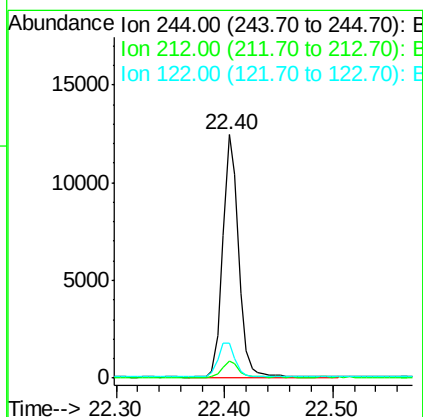
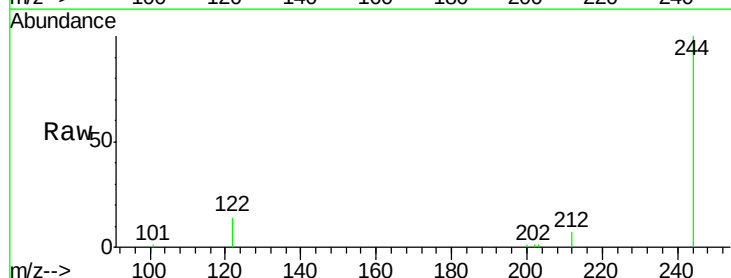
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

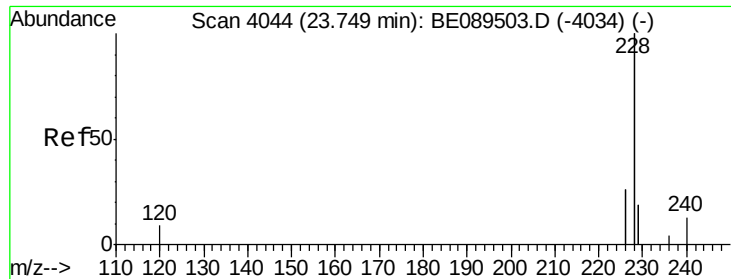
Tgt Ion: 202 Resp: 20661
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.5 24.7
 203 17.2 14.0 21.0



#18
 Terphenyl-d14
 Concen: 0.67 ng
 RT: 22.40 min Scan# 3821
 Delta R.T. 0.00 min
 Lab File: BE089504.D
 Acq: 5 Feb 2015 14:06

Tgt Ion: 244 Resp: 12590
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.5 8.3
 122 14.2 11.1 16.7





#19

Benzo(a)anthracene

Concen: 0.67 ng

RT: 23.75 min Scan# 4044

Delta R.T. 0.00 min

Lab File: BE089504.D

Acq: 5 Feb 2015 14:06

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

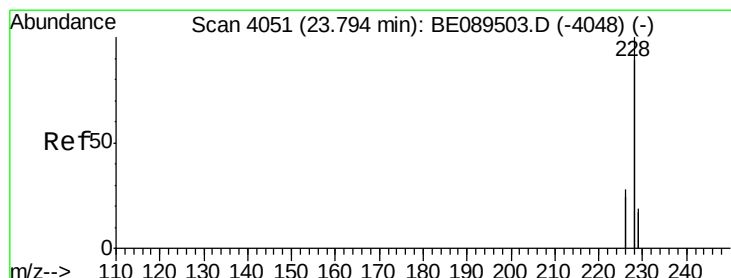
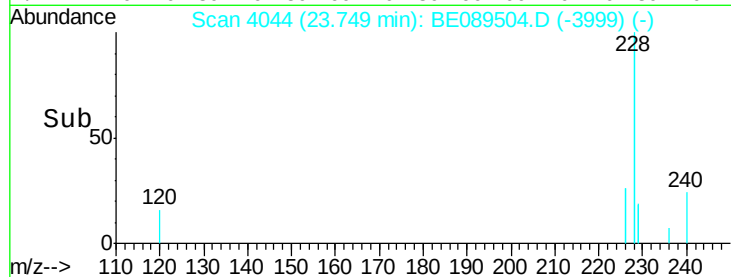
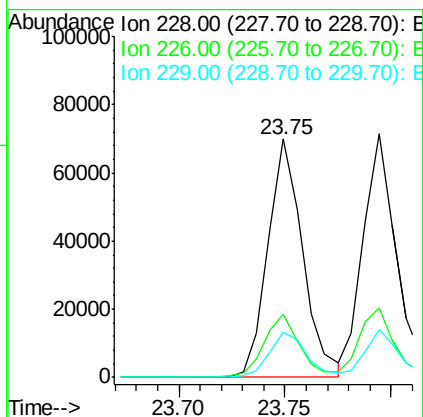
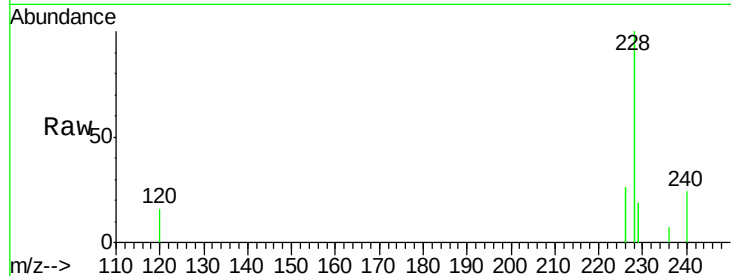
Tgt Ion:228 Resp: 79161

Ion Ratio Lower Upper

228 100

226 26.4 21.0 31.6

229 19.0 15.5 23.3



#20

Chrysene

Concen: 0.68 ng

RT: 23.79 min Scan# 4051

Delta R.T. 0.00 min

Lab File: BE089504.D

Acq: 5 Feb 2015 14:06

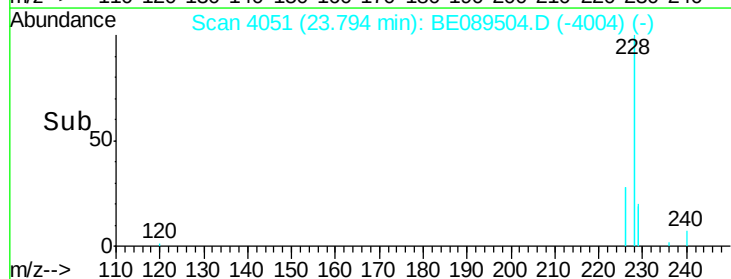
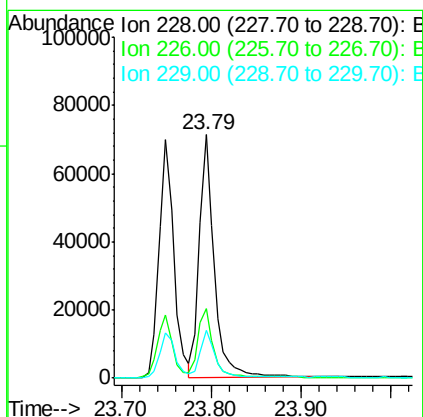
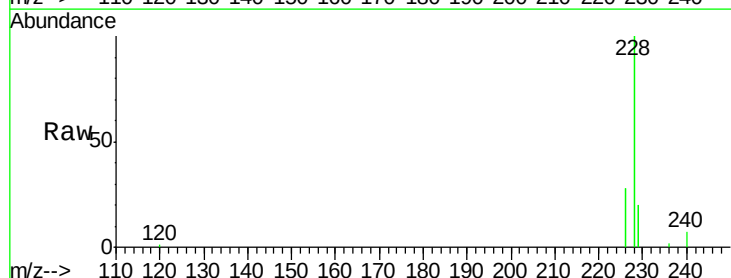
Tgt Ion:228 Resp: 82015

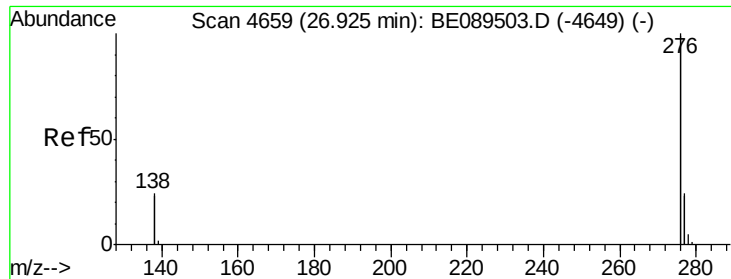
Ion Ratio Lower Upper

228 100

226 28.4 22.3 33.5

229 19.8 15.4 23.0





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.70 ng

RT: 26.92 min Scan# 4658

Delta R.T. -0.01 min

Lab File: BE089504.D

Acq: 5 Feb 2015 14:06

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

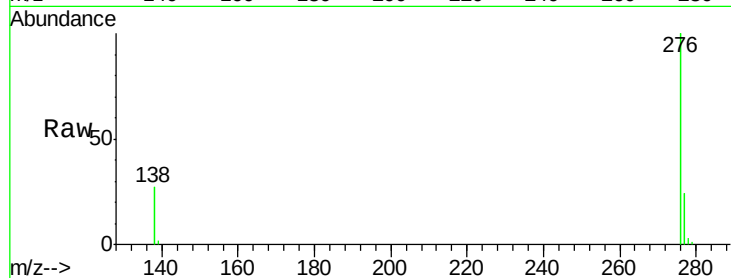
Tgt Ion:276 Resp: 88359

Ion Ratio Lower Upper

276 100

138 27.5 23.2 34.8

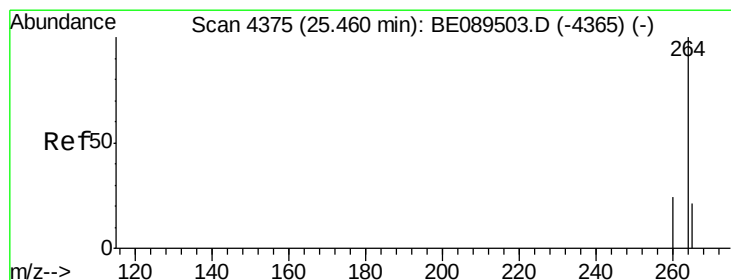
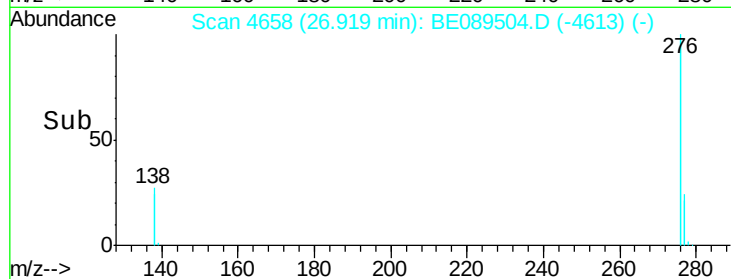
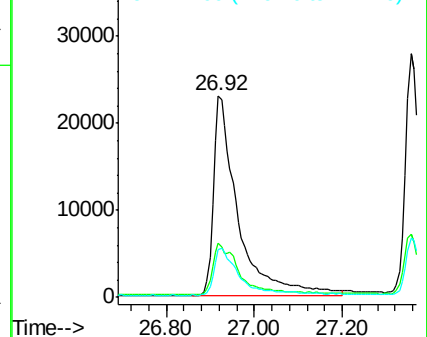
277 24.4 19.8 29.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#22

Perylene-d12

Concen: 5.00 ng

RT: 25.46 min Scan# 4375

Delta R.T. 0.00 min

Lab File: BE089504.D

Acq: 5 Feb 2015 14:06

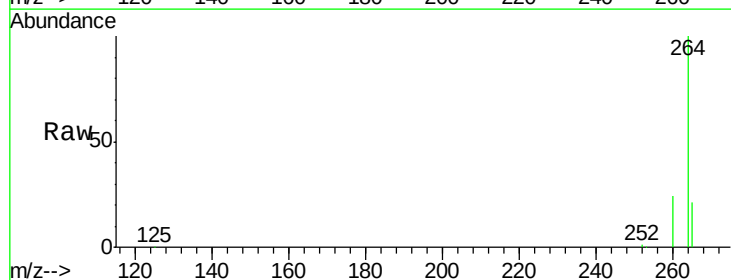
Tgt Ion:264 Resp: 107750

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.6

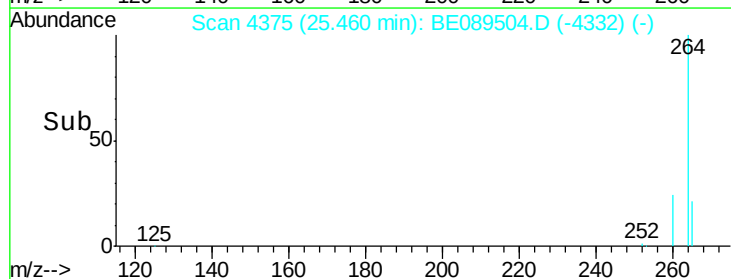
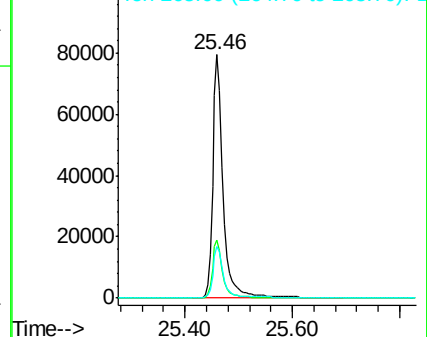
265 21.3 17.0 25.6

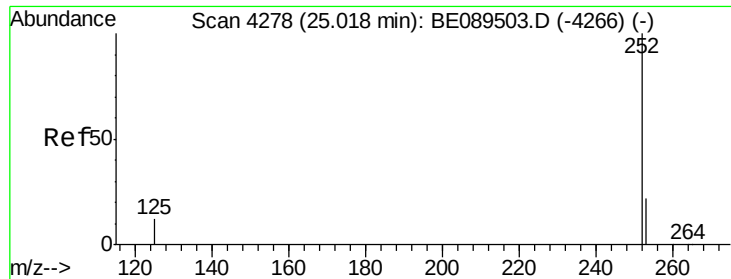


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#23

Benzo(b)fluoranthene

Concen: 0.63 ng

RT: 25.02 min Scan# 4278

Delta R.T. 0.00 min

Lab File: BE089504.D

Acq: 5 Feb 2015 14:06

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

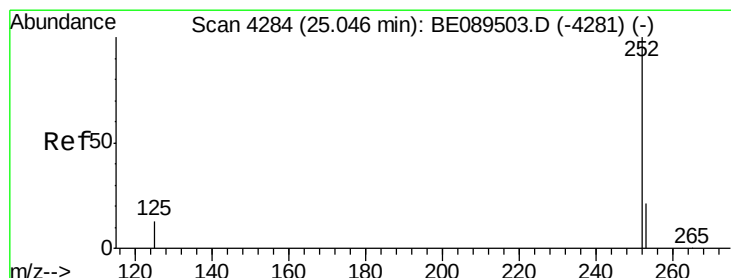
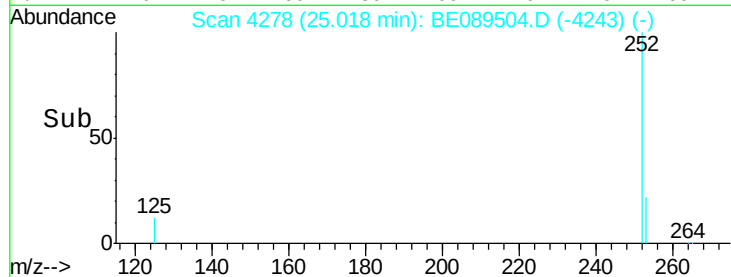
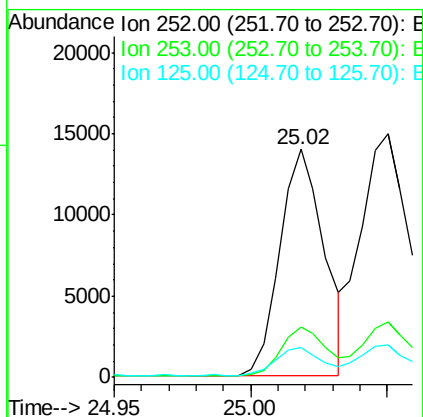
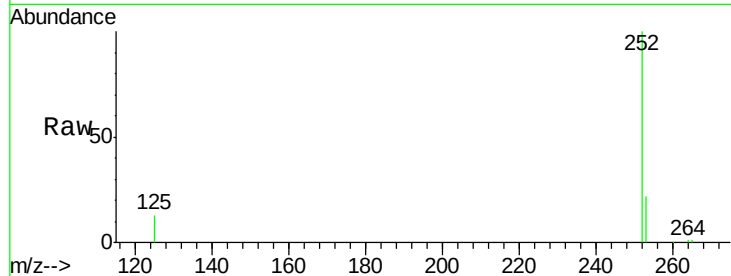
Tgt Ion:252 Resp: 15828

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 13.0 9.6 14.4



#24

Benzo(k)fluoranthene

Concen: 0.69 ng

RT: 25.05 min Scan# 4285

Delta R.T. 0.00 min

Lab File: BE089504.D

Acq: 5 Feb 2015 14:06

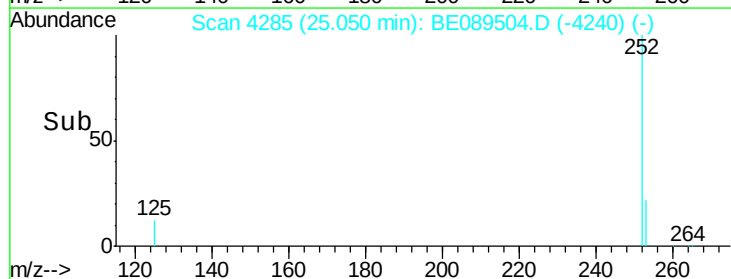
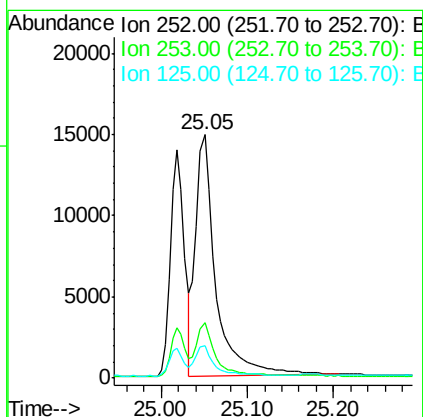
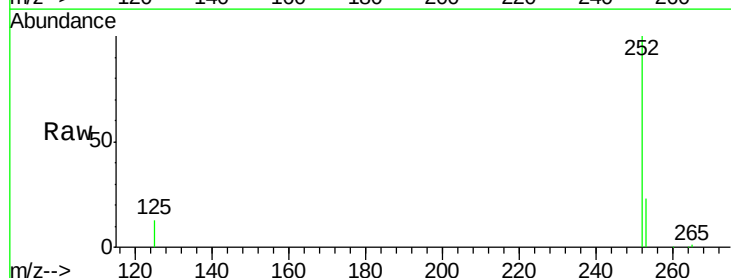
Tgt Ion:252 Resp: 23705

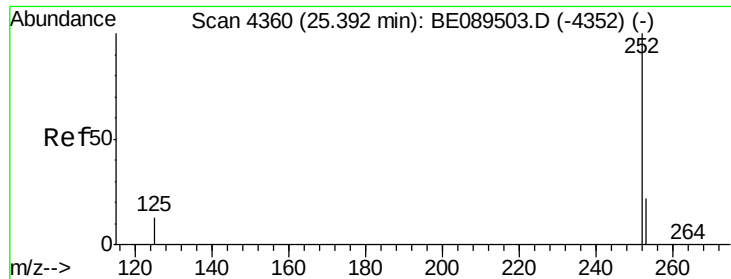
Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.6

125 13.2 10.2 15.4





#25

Benzo(a)pyrene

Concen: 0.64 ng

RT: 25.39 min Scan# 4360

Delta R.T. 0.00 min

Lab File: BE089504.D

Acq: 5 Feb 2015 14:06

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

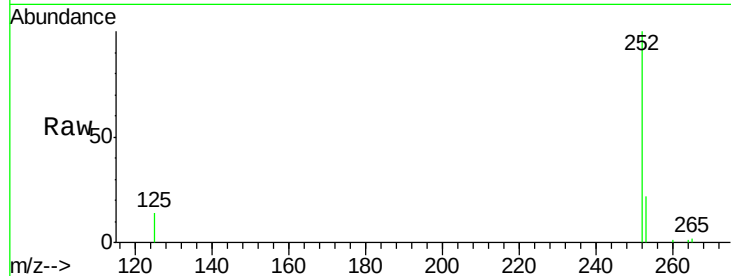
Tgt Ion:252 Resp: 16371

Ion Ratio Lower Upper

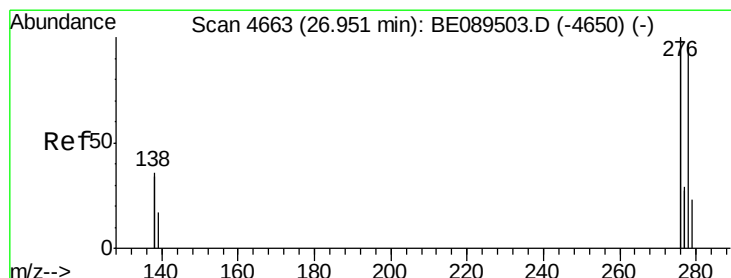
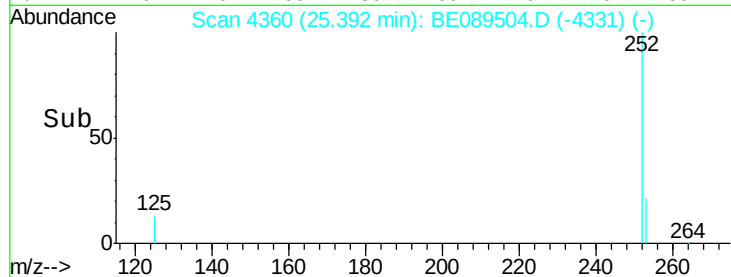
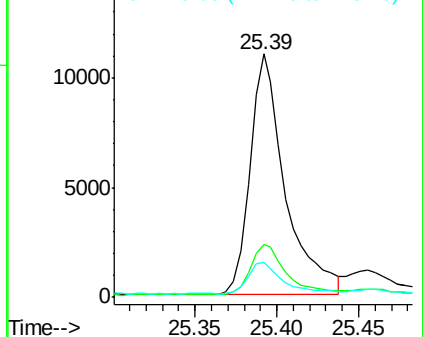
252 100

253 21.9 17.8 26.6

125 14.2 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: 0.68 ng

RT: 26.95 min Scan# 4663

Delta R.T. 0.00 min

Lab File: BE089504.D

Acq: 5 Feb 2015 14:06

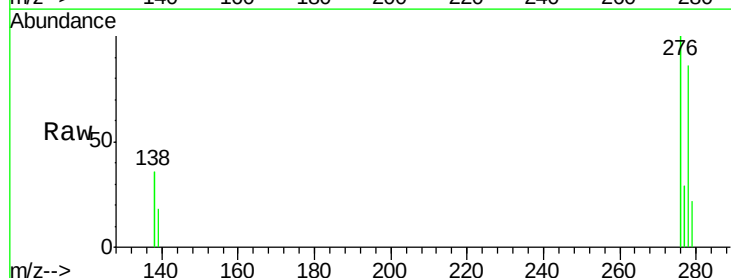
Tgt Ion:278 Resp: 18536

Ion Ratio Lower Upper

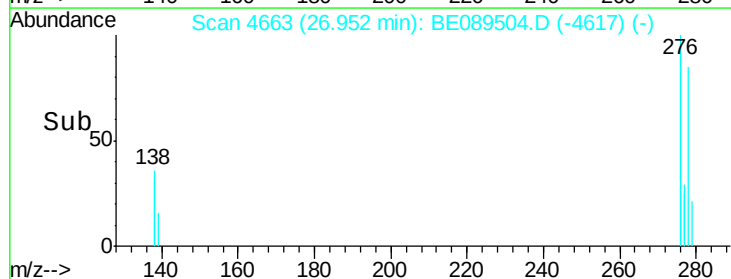
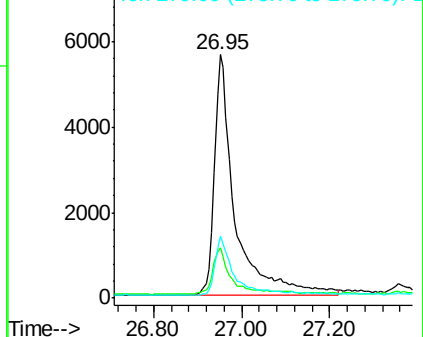
278 100

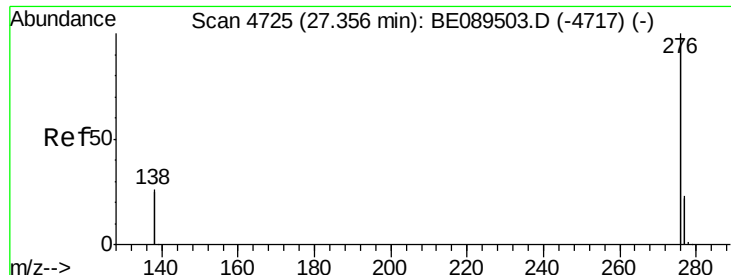
139 20.6 14.6 22.0

279 25.3 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: 0.68 ng

RT: 27.36 min Scan# 4725

Delta R.T. 0.00 min

Lab File: BE089504.D

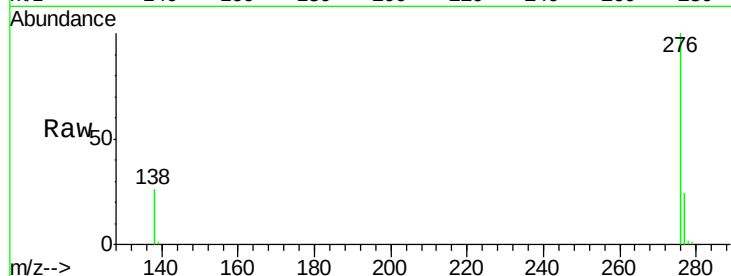
Acq: 5 Feb 2015 14:06

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8



Tgt Ion: 276 Resp: 75204

Ion Ratio Lower Upper

276 100

277 24.2 18.6 28.0

138 26.1 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

