

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021015\
 Data File : BE089554.D
 Acq On : 10 Feb 2015 17:47
 Operator : TP/IZ
 Sample : SSTDICC0.5
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.5

Quant Time: Feb 11 01:18:29 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	9.42	152	33622	5.00	ng	0.00
2) Naphthalene-d8	12.32	136	124058	5.00	ng	0.00
6) Acenaphthene-d10	16.50	164	49611	5.00	ng	0.00
11) Phenanthrene-d10	19.84	188	96242	5.00	ng	0.00
16) Chrysene-d12	23.71	240	119087	5.00	ng	0.00
22) Perylene-d12	25.40	264	125029	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.68	82	3707	0.50	ng	0.00
7) 2-Fluorobiphenyl	14.95	172	6515	0.54	ng	0.00
18) Terphenyl-d14	22.35	244	7872	0.49	ng	0.00

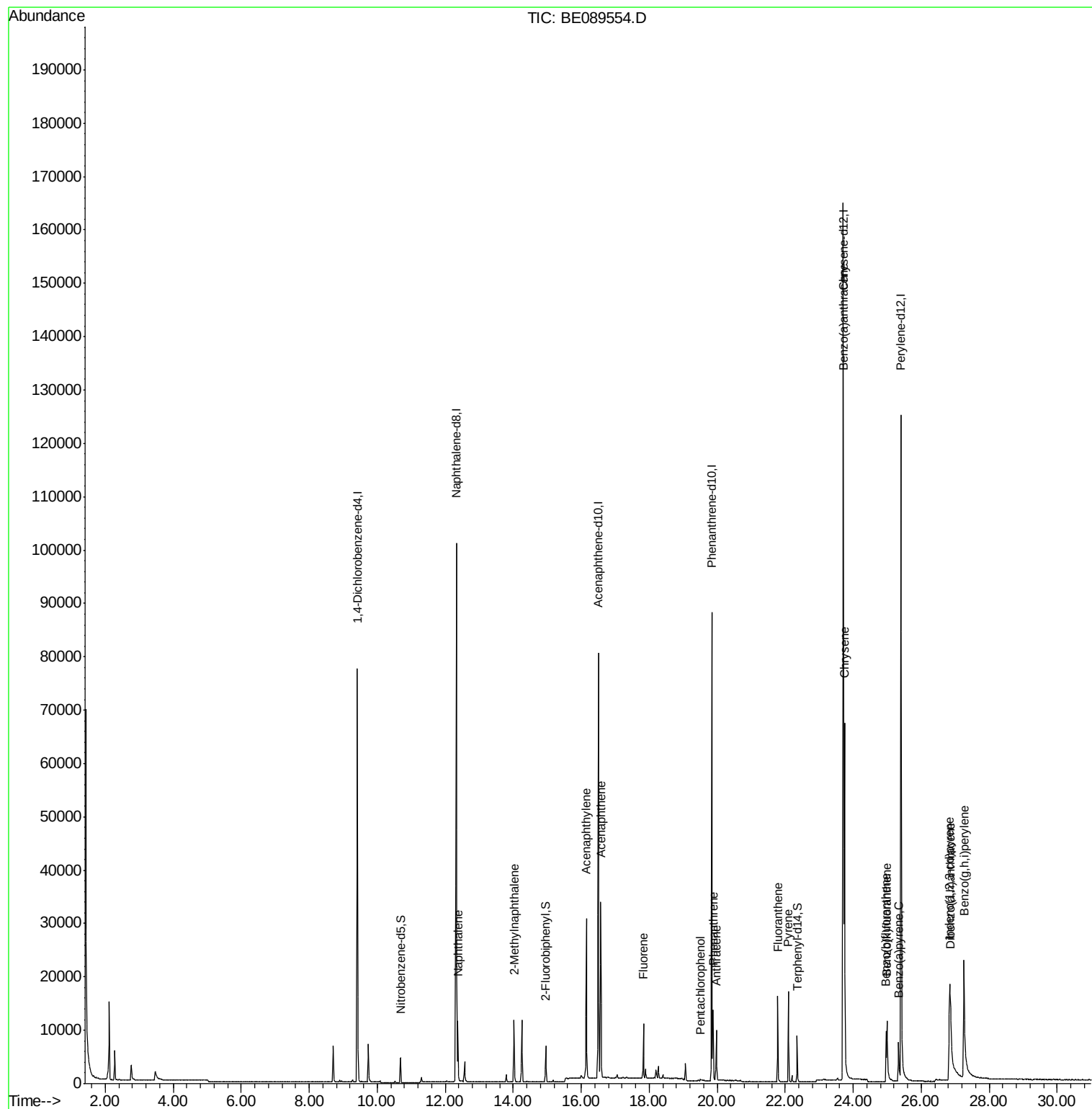
Target Compounds					Qvalue	
4) Naphthalene	12.37	128	13849	0.52	ng	98
5) 2-Methylnaphthalene	14.03	142	7654	0.49	ng	99
8) Acenaphthylene	16.15	152	40339	0.52	ng	100
9) Acenaphthene	16.58	154	6607	0.54	ng	97
10) Fluorene	17.83	166	7190	0.54	ng	97
12) Pentachlorophenol	19.51	266	249	0.10	ng	96
13) Phenanthrene	19.88	178	11790	0.54	ng	99
14) Anthracene	19.98	178	9772	0.52	ng	99
15) Fluoranthene	21.78	202	11394	0.59	ng	99
17) Pyrene	22.09	202	12160	0.48	ng	99
19) Benzo(a)anthracene	23.70	228	50111	0.53	ng	99
20) Chrysene	23.74	228	55904	0.55	ng	98
21) Indeno(1,2,3-cd)pyrene	26.84	276	51545	0.60	ng	98
23) Benzo(b)fluoranthene	24.97	252	8823	0.48	ng	99
24) Benzo(k)fluoranthene	25.00	252	15731	0.53	ng	99
25) Benzo(a)pyrene	25.33	252	9092	0.48	ng	98
26) Dibenzo(a,h)anthracene	26.86	278	10482	0.54	ng	98
27) Benzo(g,h,i)perylene	27.26	276	46694	0.53	ng	99

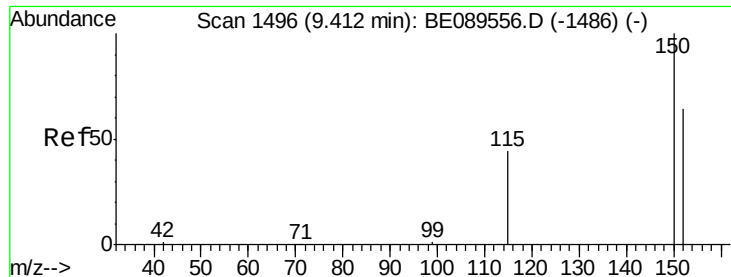
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.42 min Scan# 1497

Delta R.T. 0.00 min

Lab File: BE089554.D

Acq: 10 Feb 2015 17:47

Instrument :

BNA_E

LabSampleId :

SSTDICC0.5

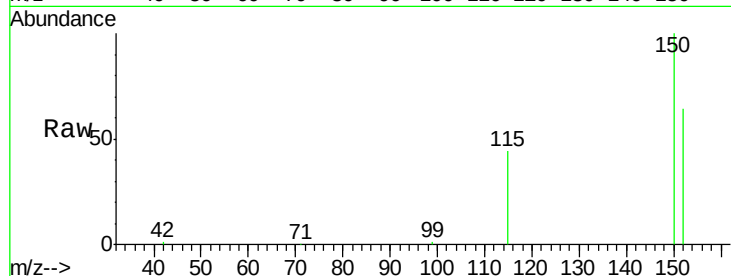
Tgt Ion:152 Resp: 33622

Ion Ratio Lower Upper

152 100

150 155.1 125.6 188.4

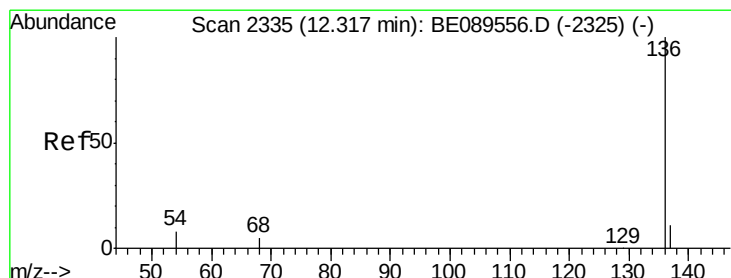
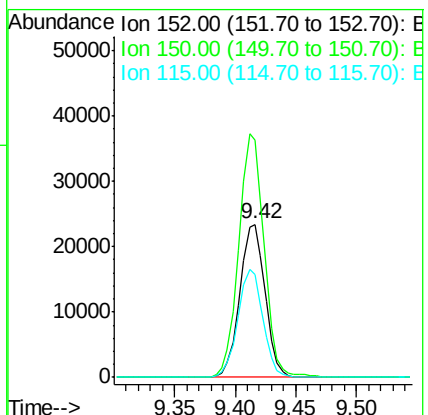
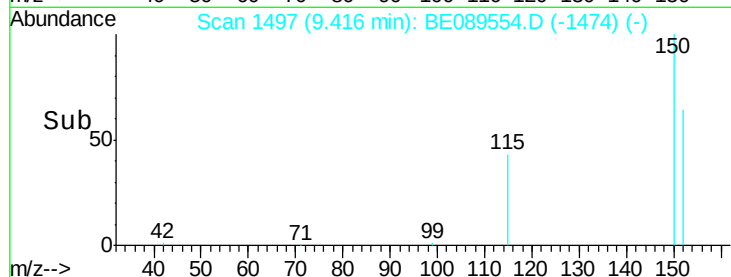
115 67.6 55.8 83.6



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. 0.01 min

Lab File: BE089554.D

Acq: 10 Feb 2015 17:47

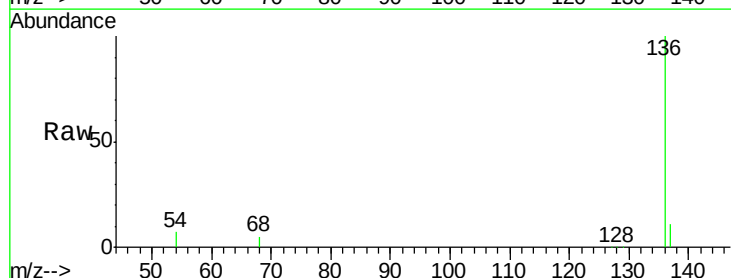
Tgt Ion:136 Resp: 124058

Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

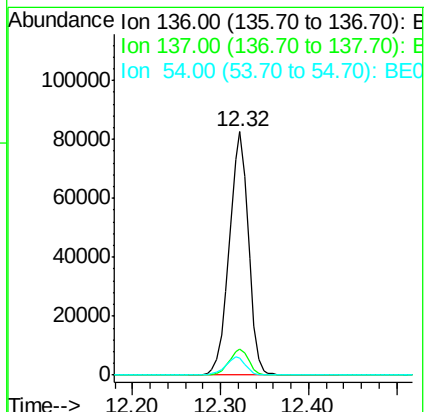
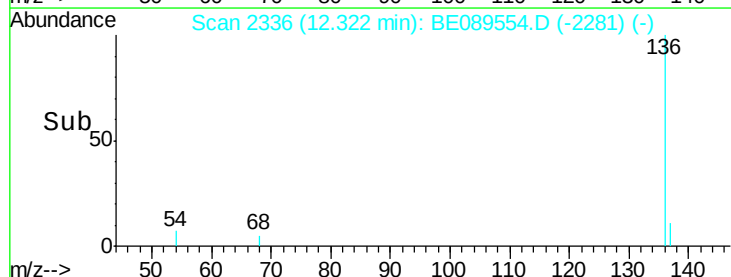
54 7.1 6.6 9.8

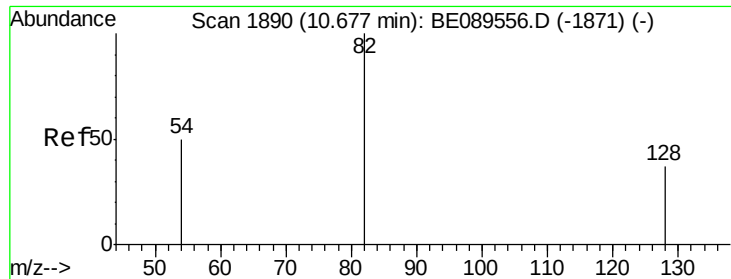


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 0.50 ng

RT: 10.68 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BE089554.D

Acq: 10 Feb 2015 17:47

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

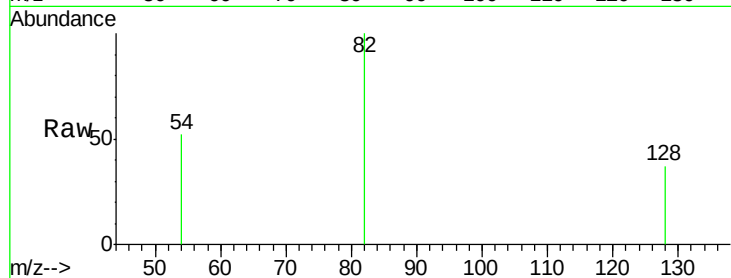
Tgt Ion: 82 Resp: 3707

Ion Ratio Lower Upper

82 100

128 36.6 30.4 45.6

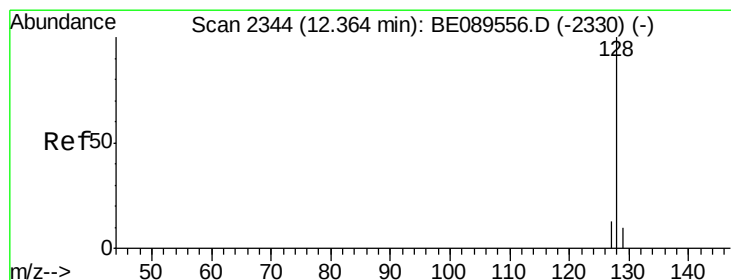
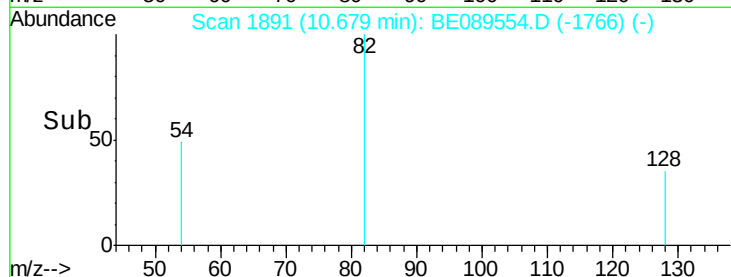
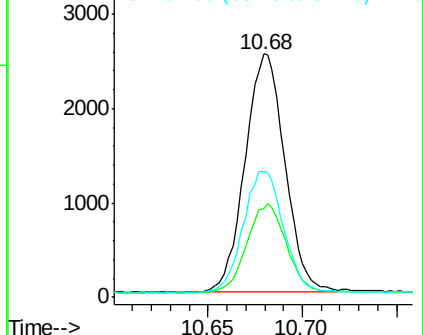
54 51.5 40.7 61.1



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: 0.52 ng

RT: 12.37 min Scan# 2345

Delta R.T. 0.01 min

Lab File: BE089554.D

Acq: 10 Feb 2015 17:47

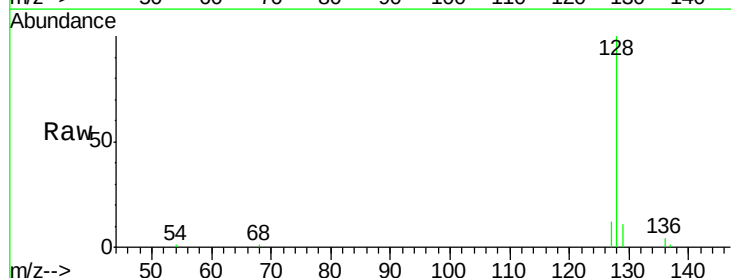
Tgt Ion: 128 Resp: 13849

Ion Ratio Lower Upper

128 100

129 11.2 8.5 12.7

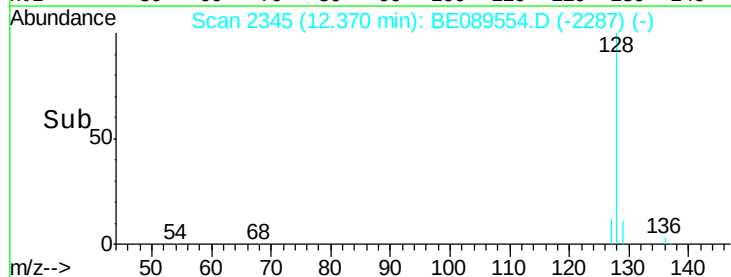
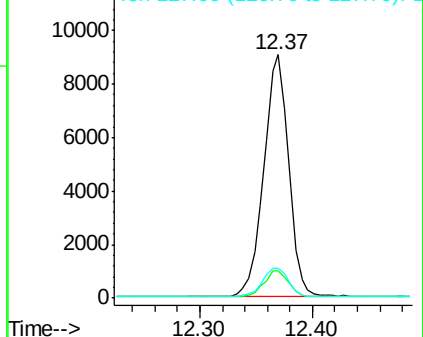
127 12.2 10.6 15.8

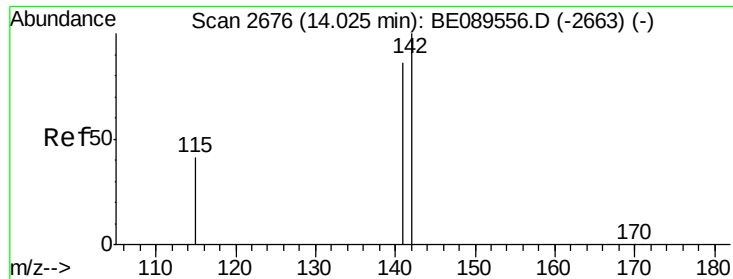


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#5

2-Methylnaphthalene

Concen: 0.49 ng

RT: 14.03 min Scan# 2676

Delta R.T. 0.00 min

Lab File: BE089554.D

Acq: 10 Feb 2015 17:47

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

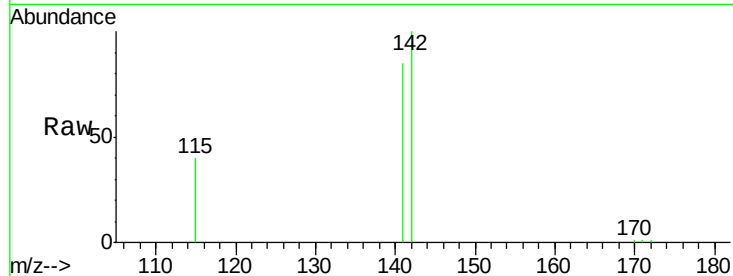
Tgt Ion:142 Resp: 7654

Ion Ratio Lower Upper

142 100

141 85.1 68.6 102.8

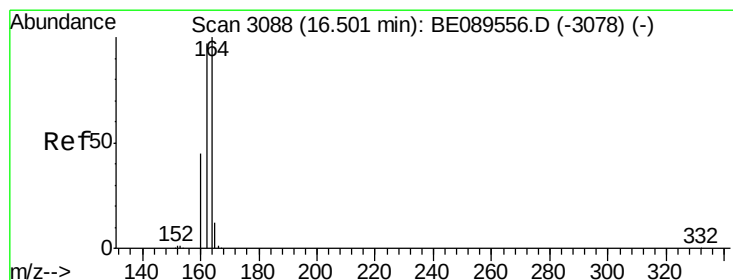
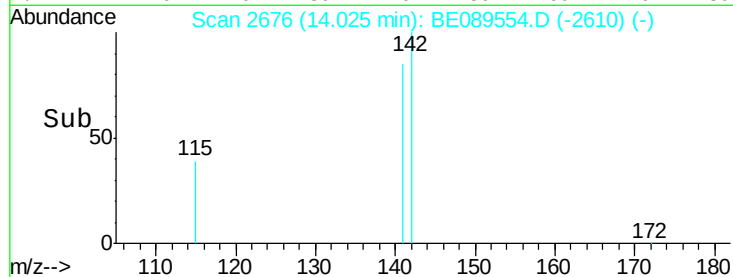
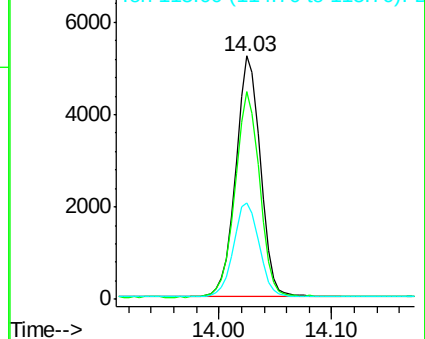
115 39.6 33.0 49.6



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# 3088

Delta R.T. -0.00 min

Lab File: BE089554.D

Acq: 10 Feb 2015 17:47

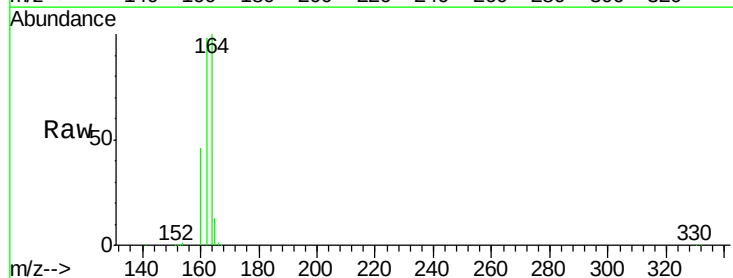
Tgt Ion:164 Resp: 49611

Ion Ratio Lower Upper

164 100

162 97.5 77.8 116.6

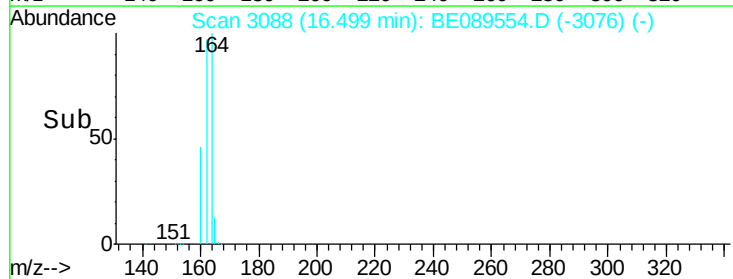
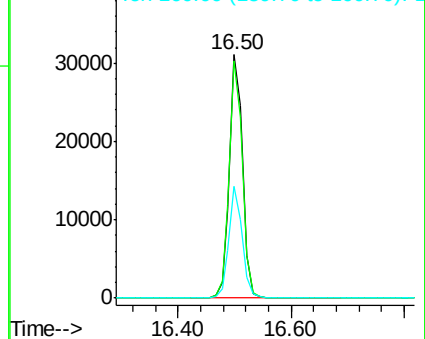
160 45.7 36.2 54.2

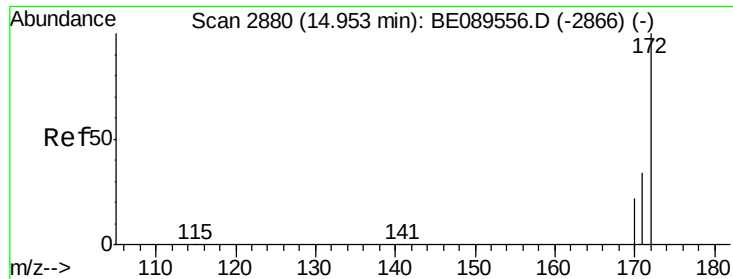


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 0.54 ng

RT: 14.95 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BE089554.D

Acq: 10 Feb 2015 17:47

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

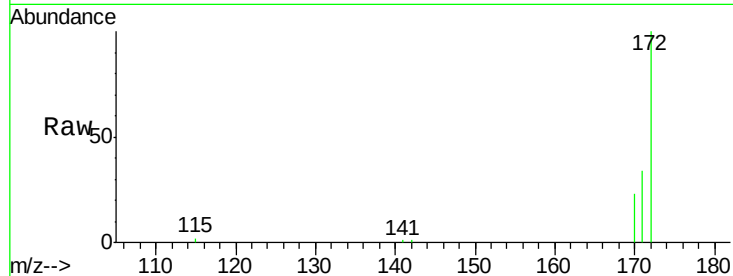
Tgt Ion:172 Resp: 6515

Ion Ratio Lower Upper

172 100

171 33.9 27.4 41.0

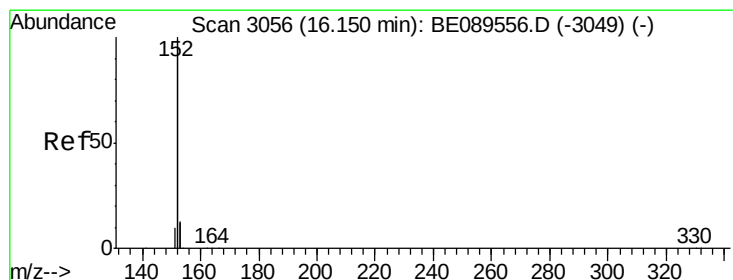
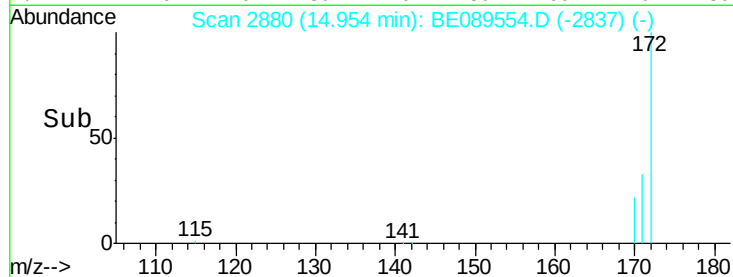
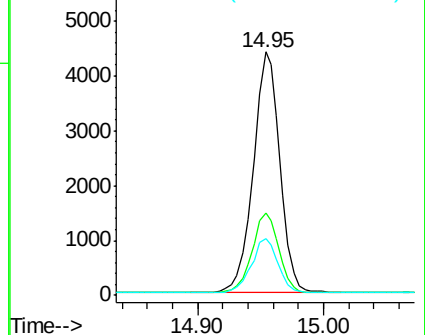
170 23.1 18.3 27.5



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: 0.52 ng

RT: 16.15 min Scan# 3056

Delta R.T. -0.00 min

Lab File: BE089554.D

Acq: 10 Feb 2015 17:47

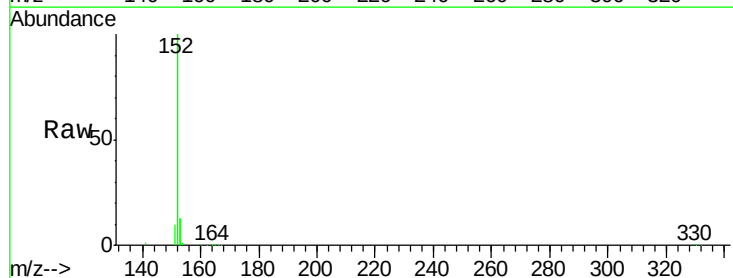
Tgt Ion:152 Resp: 40339

Ion Ratio Lower Upper

152 100

151 5.0 3.9 5.9

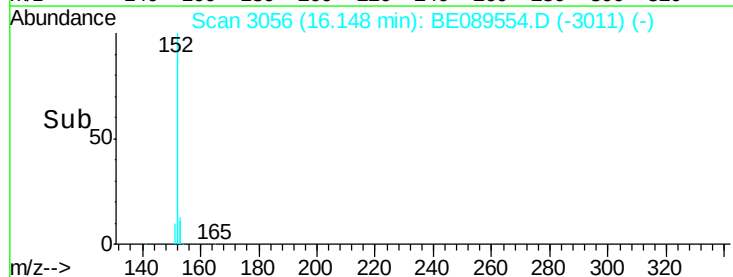
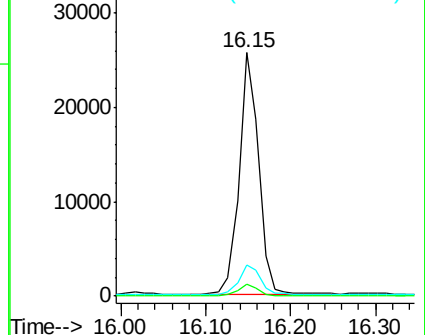
153 13.1 10.4 15.6

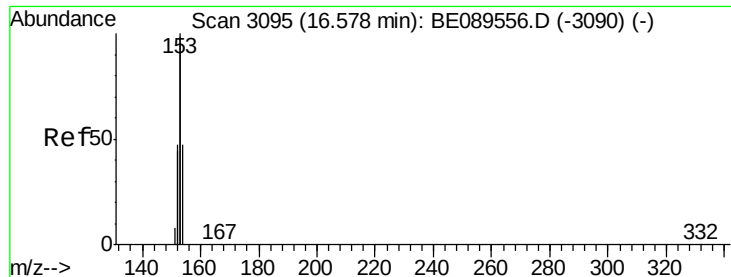


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.54 ng

RT: 16.58 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BE089554.D

Acq: 10 Feb 2015 17:47

Instrument :

BNA_E

LabSampleId :

SSTDICC0.5

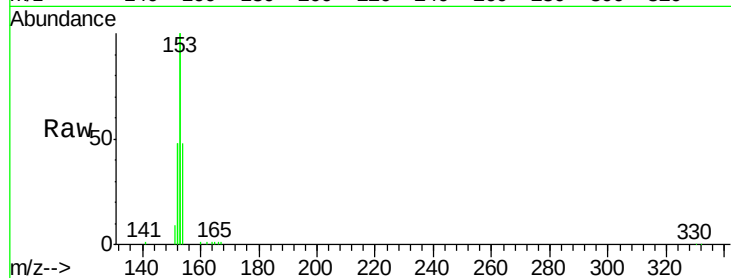
Tgt Ion:154 Resp: 6607

Ion Ratio Lower Upper

154 100

153 429.8 349.0 523.4

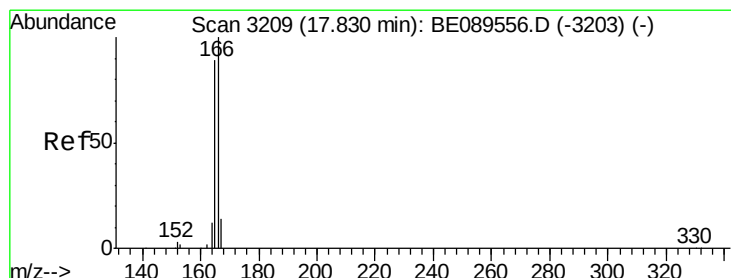
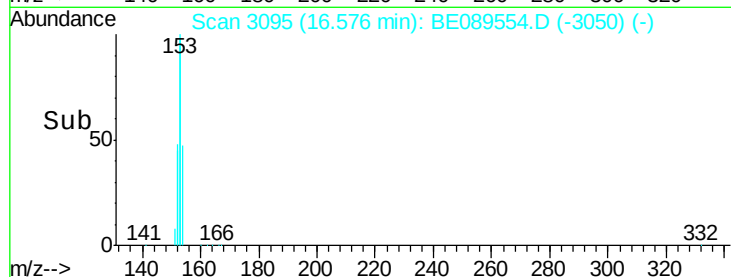
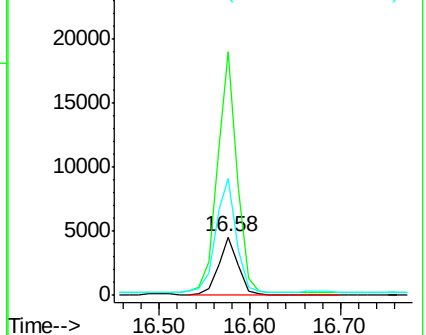
152 211.4 173.0 259.4



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: 0.54 ng

RT: 17.83 min Scan# 3209

Delta R.T. -0.00 min

Lab File: BE089554.D

Acq: 10 Feb 2015 17:47

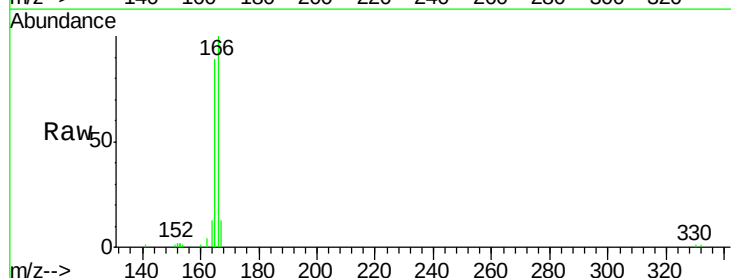
Tgt Ion:166 Resp: 7190

Ion Ratio Lower Upper

166 100

165 90.6 75.1 112.7

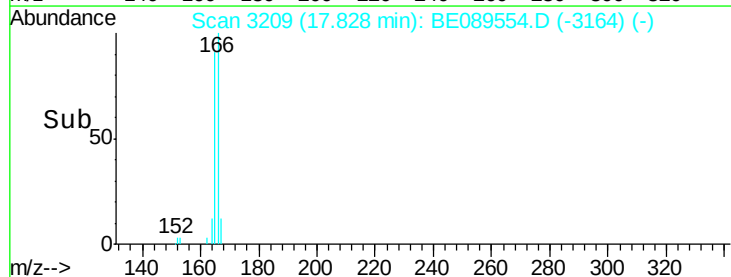
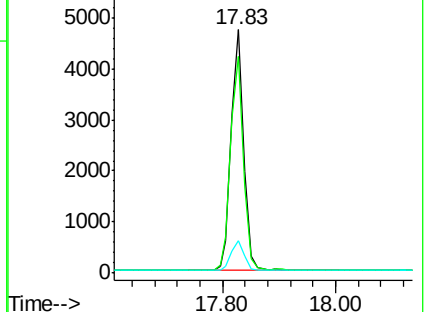
167 13.6 10.6 16.0

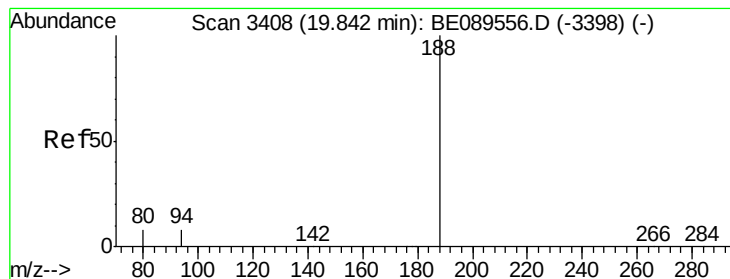


Abundance Ion 166.00 (165.70 to 166.70): E

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: 19.84 min Scan# 3408

Delta R.T. -0.00 min

Lab File: BE089554.D

Acq: 10 Feb 2015 17:47

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

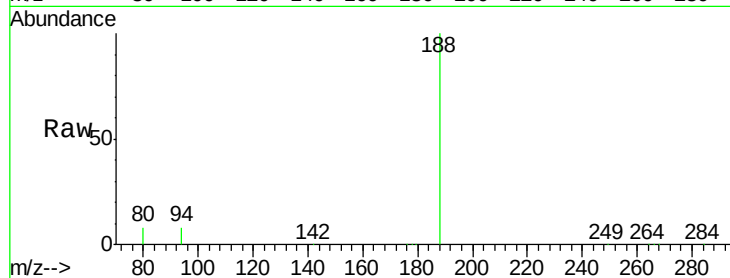
Tgt Ion:188 Resp: 96242

Ion Ratio Lower Upper

188 100

94 7.9 6.2 9.2

80 8.4 6.4 9.6



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

100000

80000

60000

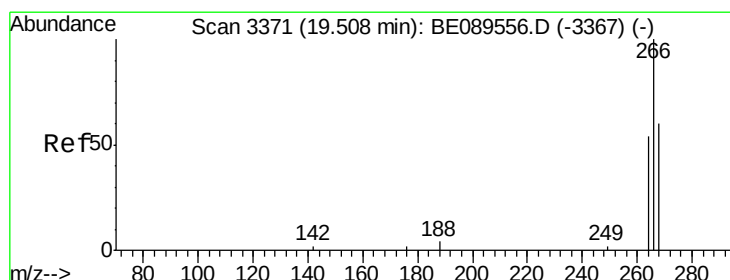
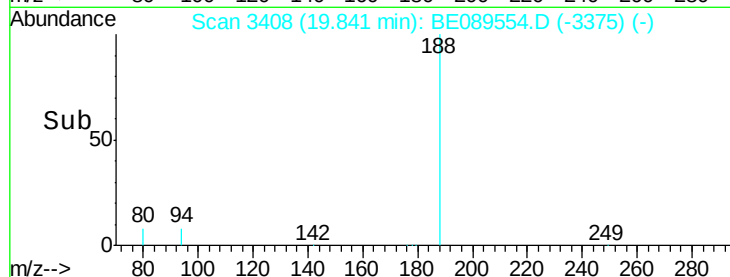
40000

20000

0

19.70 19.80 19.90

Time-->



#12

Pentachlorophenol

Concen: 0.10 ng

RT: 19.51 min Scan# 3371

Delta R.T. -0.00 min

Lab File: BE089554.D

Acq: 10 Feb 2015 17:47

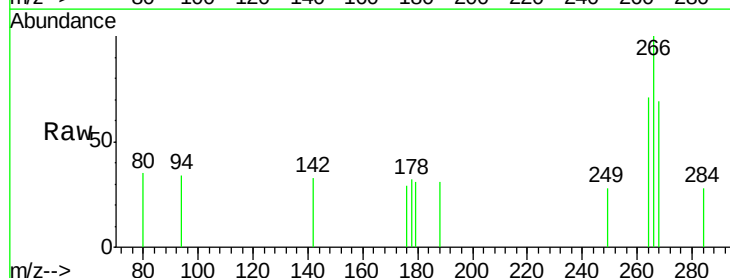
Tgt Ion:266 Resp: 249

Ion Ratio Lower Upper

266 100

268 69.5 57.9 86.9

264 71.3 54.6 81.8



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

200

150

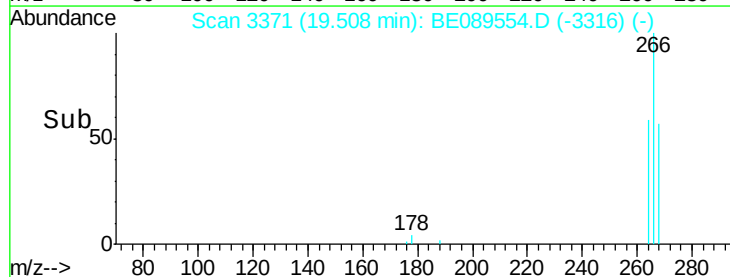
100

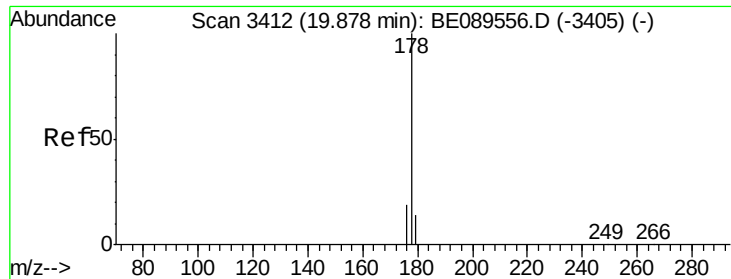
50

0

19.40 19.50 19.60

Time-->

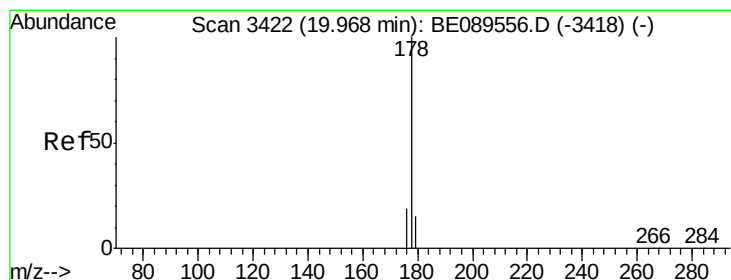
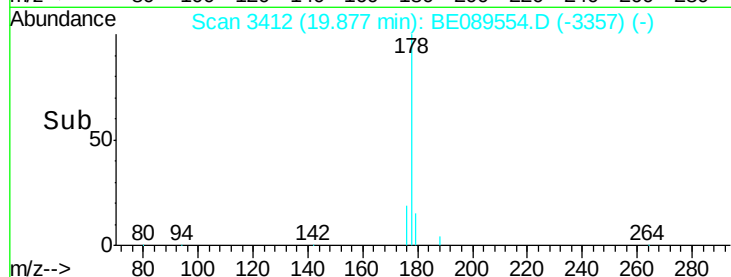
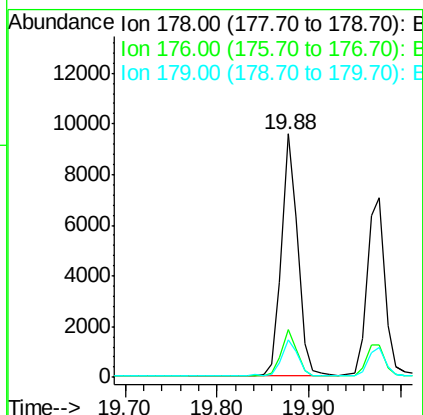
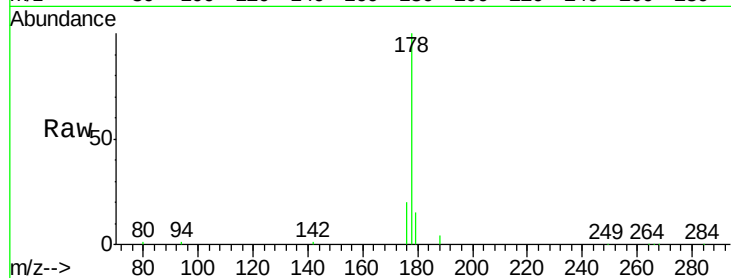




#13
Phenanthrene
Concen: 0.54 ng
RT: 19.88 min Scan# 3412
Delta R.T. -0.00 min
Lab File: BE089554.D
Acq: 10 Feb 2015 17:47

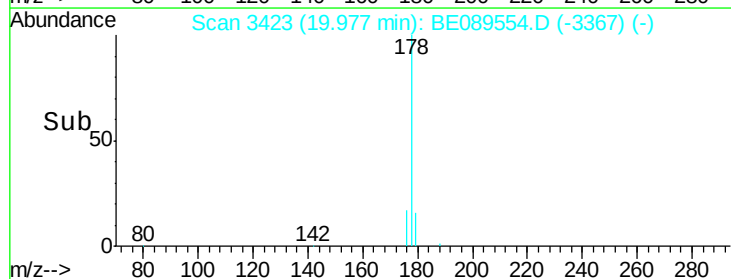
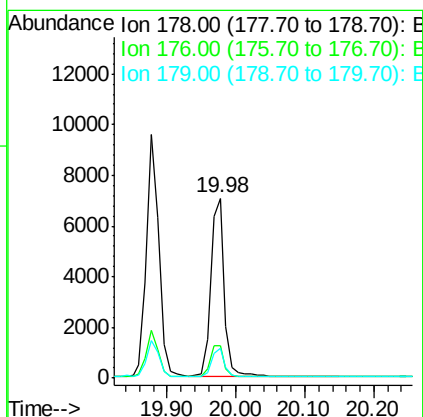
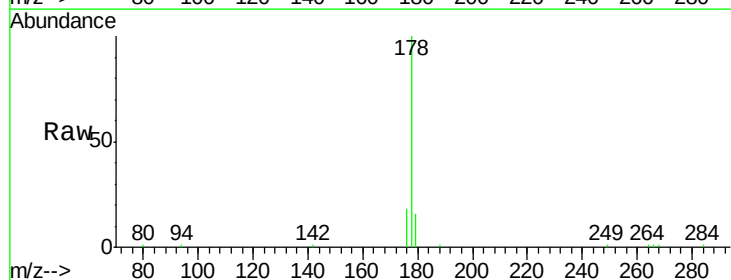
Instrument :
BNA_E
LabSampleId :
SSTDIC0.5

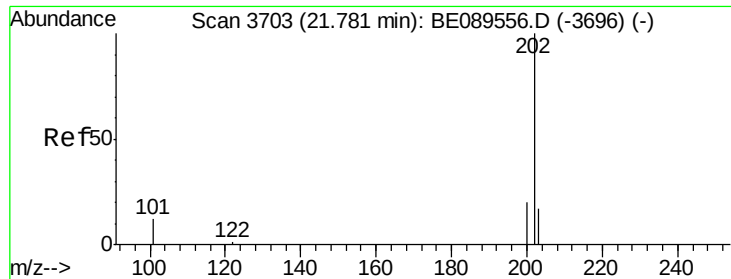
Tgt Ion:178 Resp: 11790
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 15.5 12.1 18.1



#14
Anthracene
Concen: 0.52 ng
RT: 19.98 min Scan# 3423
Delta R.T. 0.01 min
Lab File: BE089554.D
Acq: 10 Feb 2015 17:47

Tgt Ion:178 Resp: 9772
Ion Ratio Lower Upper
178 100
176 18.1 14.6 21.8
179 15.4 12.7 19.1

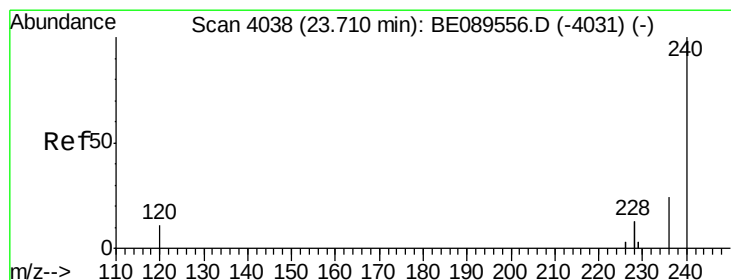
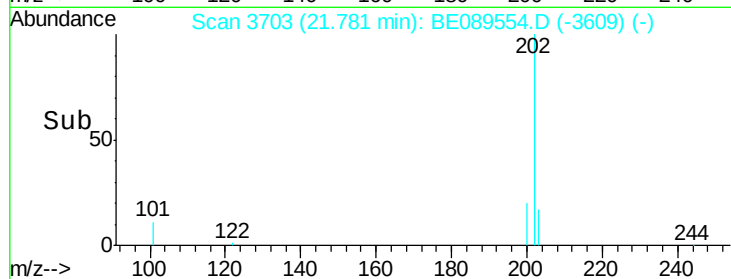
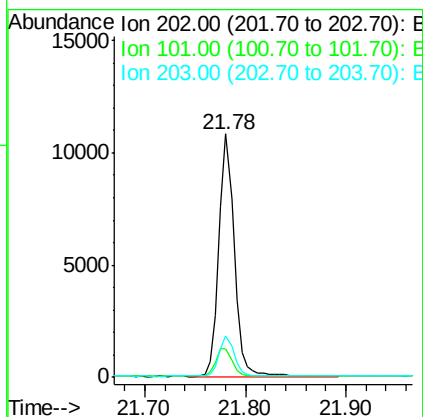
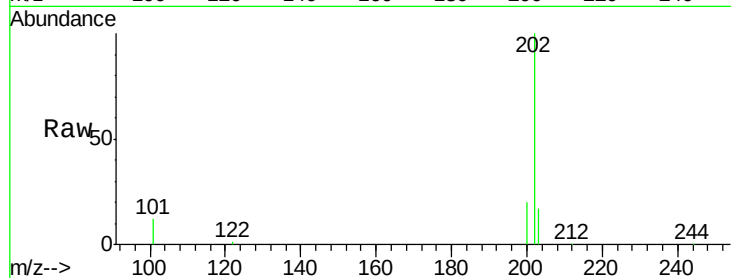




#15
 Fluoranthene
 Concen: 0.59 ng
 RT: 21.78 min Scan# 3703
 Delta R.T. -0.00 min
 Lab File: BE089554.D
 Acq: 10 Feb 2015 17:47

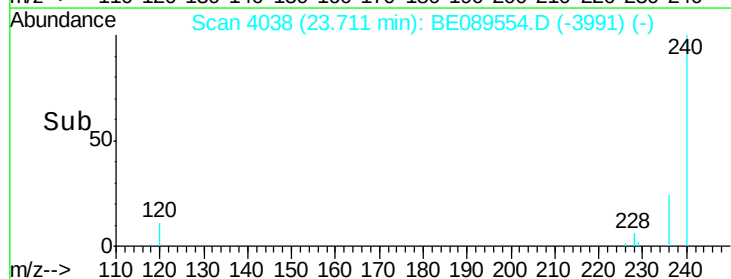
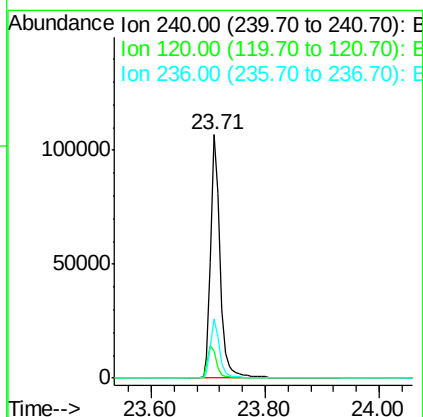
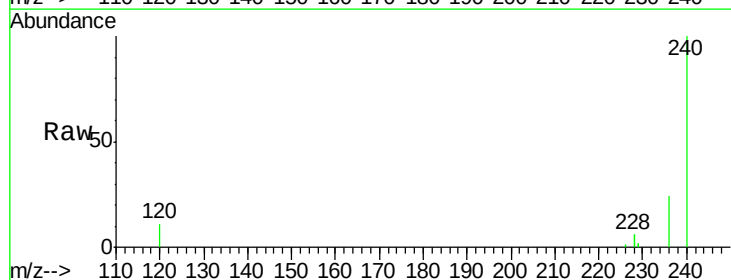
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.5

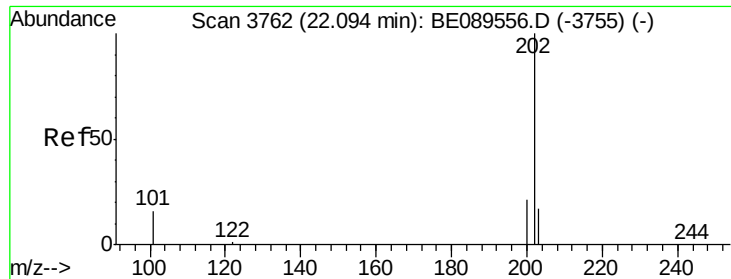
Tgt Ion: 202 Resp: 11394
 Ion Ratio Lower Upper
 202 100
 101 12.7 10.4 15.6
 203 16.7 13.6 20.4



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.71 min Scan# 4038
 Delta R.T. 0.00 min
 Lab File: BE089554.D
 Acq: 10 Feb 2015 17:47

Tgt Ion: 240 Resp: 119087
 Ion Ratio Lower Upper
 240 100
 120 11.2 9.3 13.9
 236 24.5 19.3 28.9

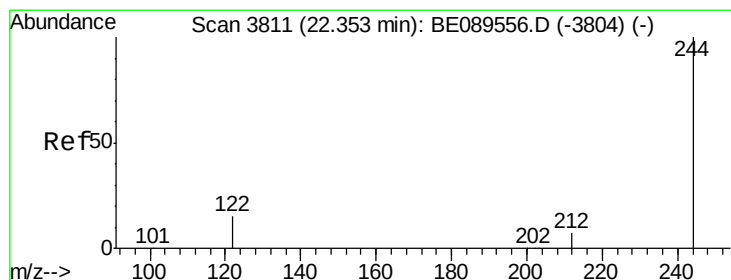
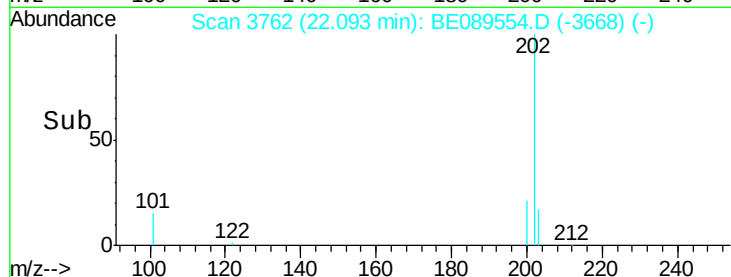
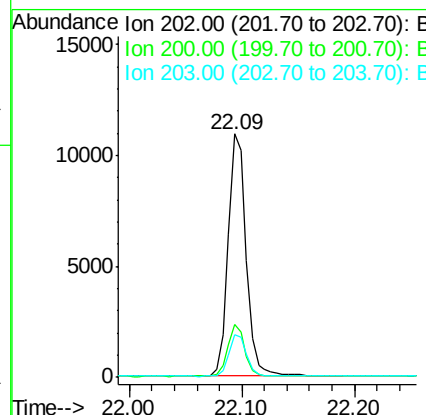
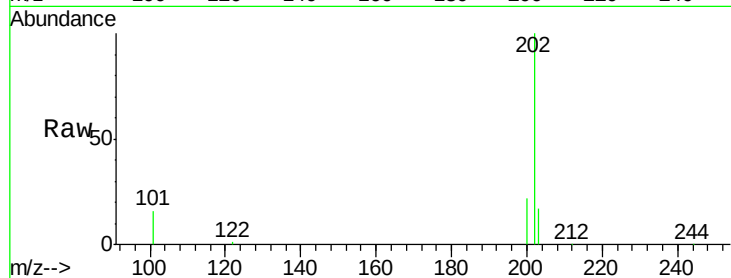




#17
 Pyrene
 Concen: 0.48 ng
 RT: 22.09 min Scan# 3762
 Delta R.T. -0.00 min
 Lab File: BE089554.D
 Acq: 10 Feb 2015 17:47

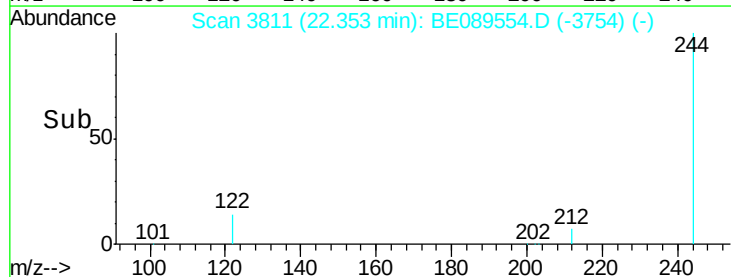
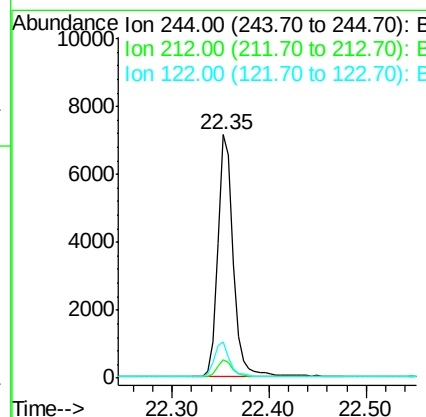
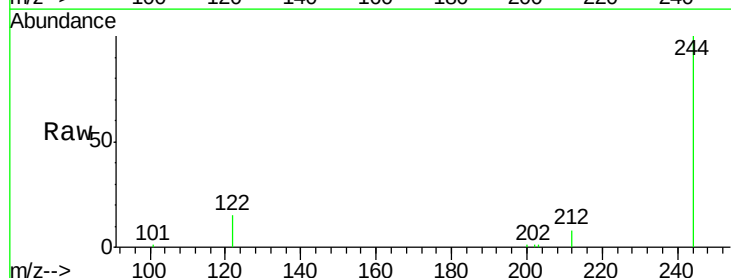
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.5

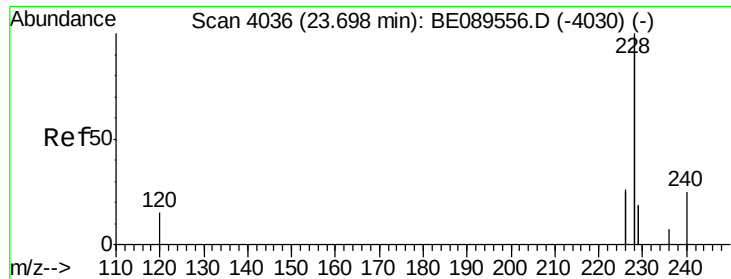
Tgt Ion: 202 Resp: 12160
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.6 24.8
 203 17.1 14.2 21.2



#18
 Terphenyl-d14
 Concen: 0.49 ng
 RT: 22.35 min Scan# 3811
 Delta R.T. -0.00 min
 Lab File: BE089554.D
 Acq: 10 Feb 2015 17:47

Tgt Ion: 244 Resp: 7872
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.9 8.9
 122 14.6 12.2 18.2





#19

Benzo(a)anthracene

Concen: 0.53 ng

RT: 23.70 min Scan# 4036

Delta R.T. 0.00 min

Lab File: BE089554.D

Acq: 10 Feb 2015 17:47

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

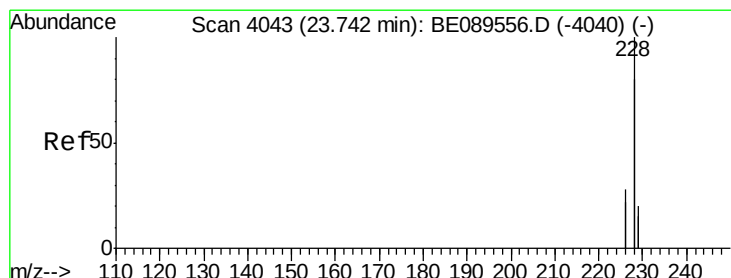
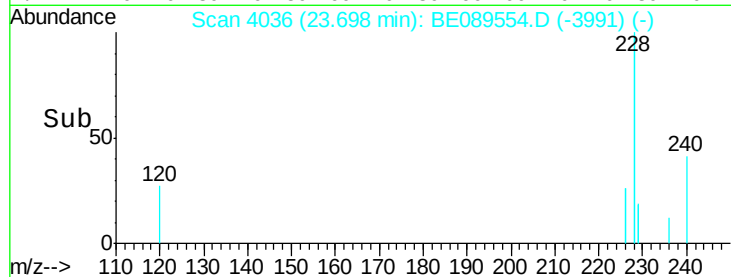
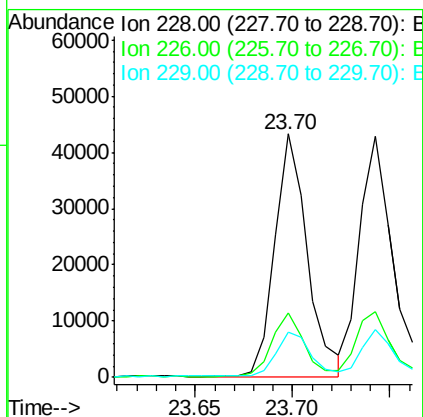
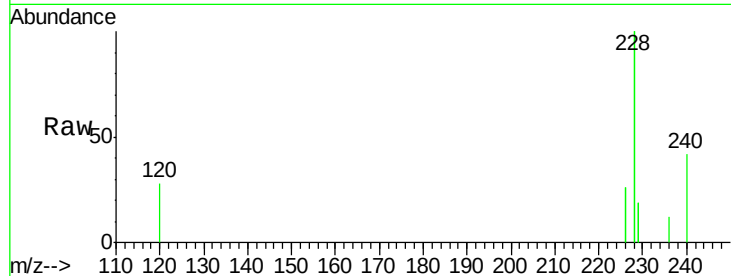
Tgt Ion:228 Resp: 50111

Ion Ratio Lower Upper

228 100

226 26.5 21.0 31.4

229 18.5 15.2 22.8



#20

Chrysene

Concen: 0.55 ng

RT: 23.74 min Scan# 4043

Delta R.T. 0.00 min

Lab File: BE089554.D

Acq: 10 Feb 2015 17:47

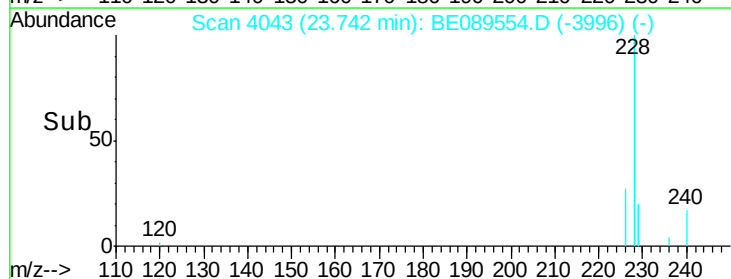
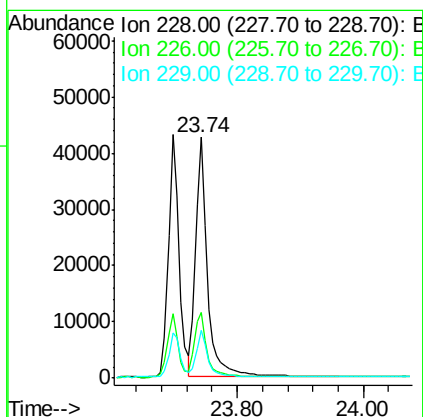
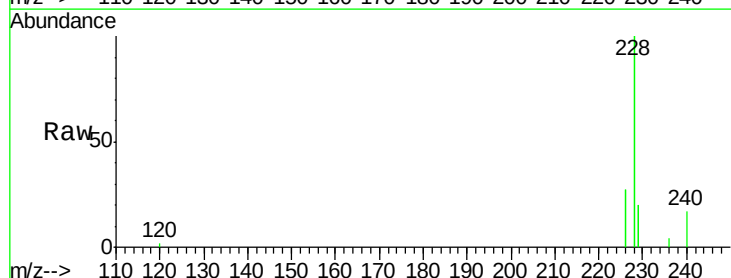
Tgt Ion:228 Resp: 55904

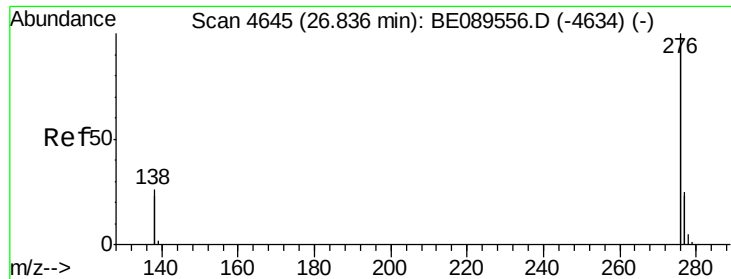
Ion Ratio Lower Upper

228 100

226 27.1 22.6 34.0

229 19.8 15.6 23.4

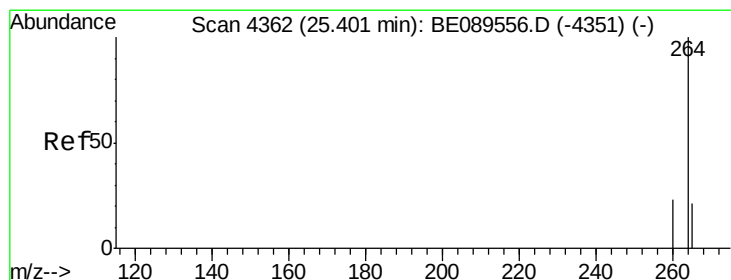
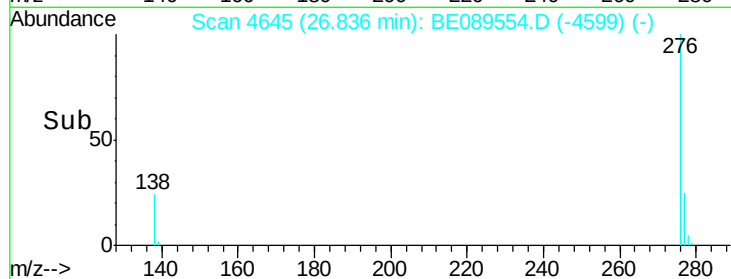
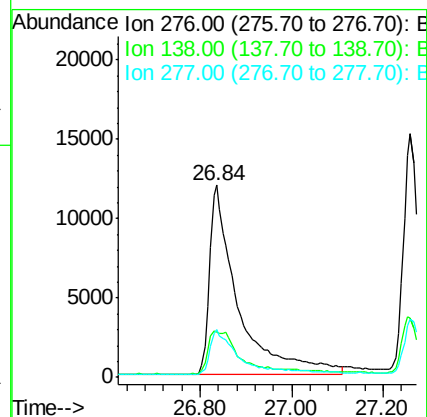
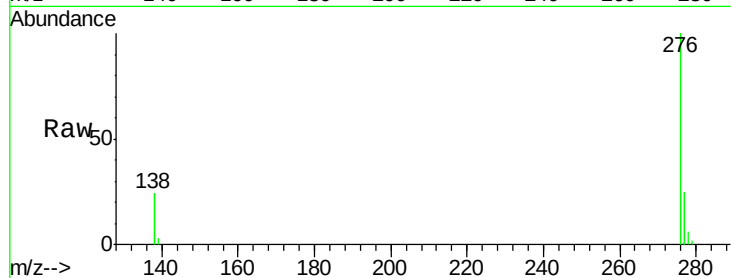




#21
 Indeno(1,2,3-cd)pyrene
 Concen: 0.60 ng
 RT: 26.84 min Scan# 4645
 Delta R.T. 0.00 min
 Lab File: BE089554.D
 Acq: 10 Feb 2015 17:47

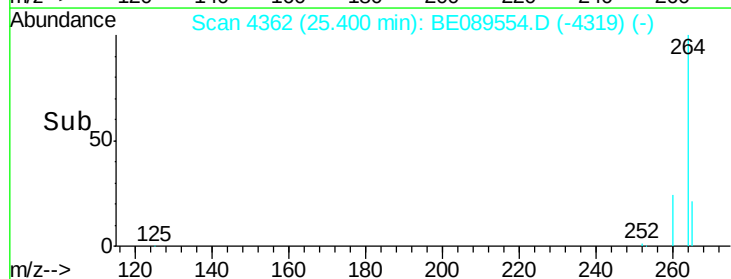
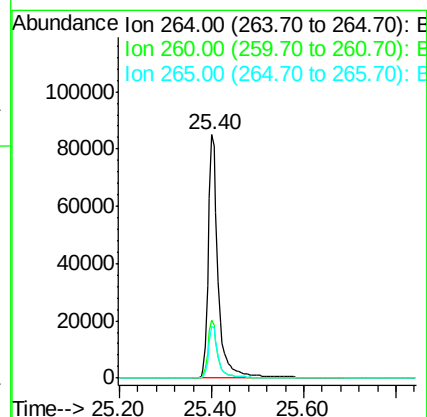
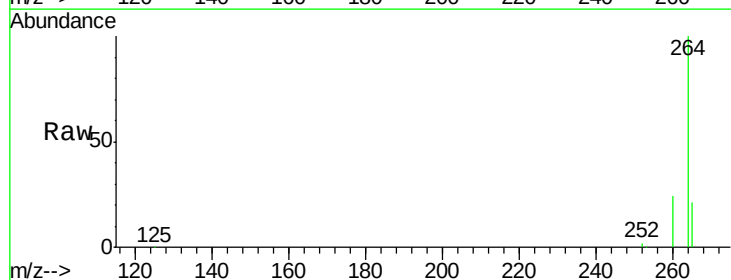
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.5

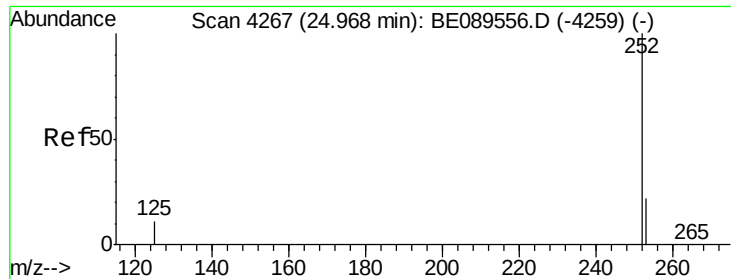
Tgt Ion:276 Resp: 51545
 Ion Ratio Lower Upper
 276 100
 138 24.9 20.2 30.4
 277 22.9 19.6 29.4



#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.40 min Scan# 4362
 Delta R.T. -0.00 min
 Lab File: BE089554.D
 Acq: 10 Feb 2015 17:47

Tgt Ion:264 Resp: 125029
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.7 28.1
 265 21.0 16.8 25.2





#23

Benzo(b)fluoranthene

Concen: 0.48 ng

RT: 24.97 min Scan# 4267

Delta R.T. -0.00 min

Lab File: BE089554.D

Acq: 10 Feb 2015 17:47

Instrument :

BNA_E

LabSampleId :

SSTDICC0.5

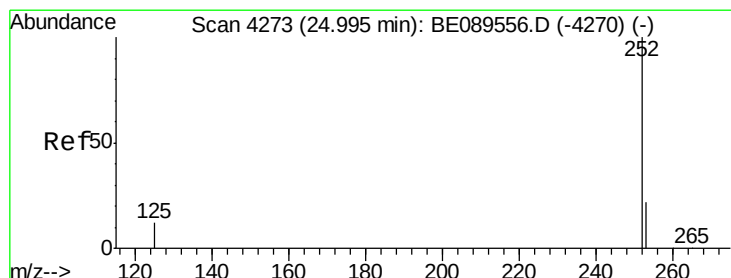
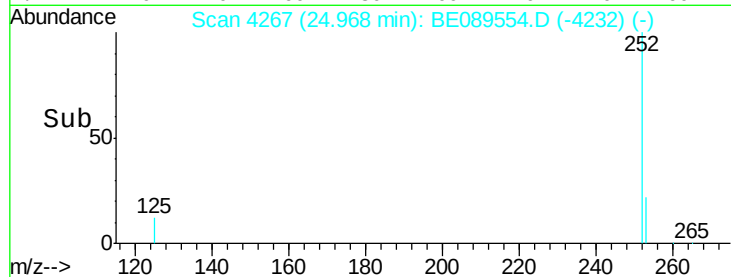
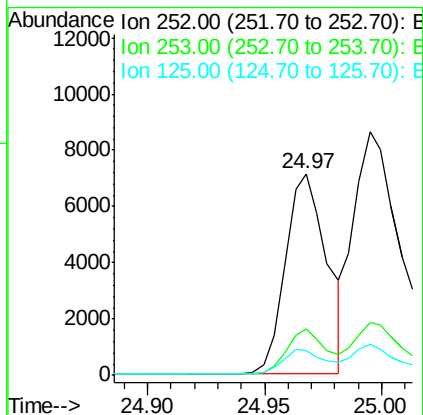
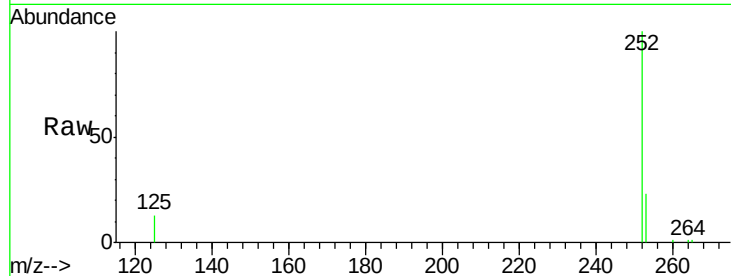
Tgt Ion:252 Resp: 8823

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

125 12.5 9.3 13.9



#24

Benzo(k)fluoranthene

Concen: 0.53 ng

RT: 25.00 min Scan# 4273

Delta R.T. -0.00 min

Lab File: BE089554.D

Acq: 10 Feb 2015 17:47

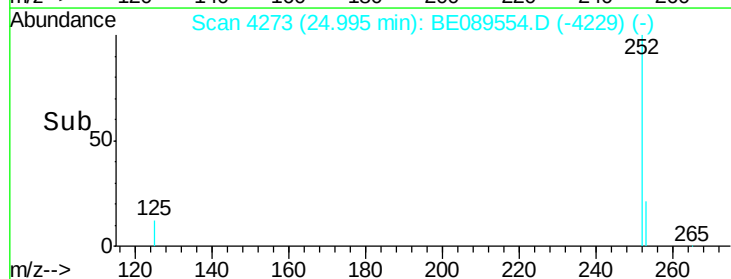
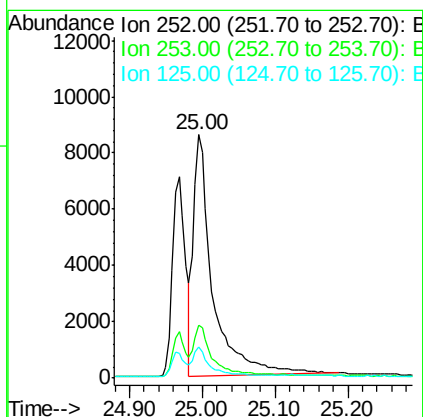
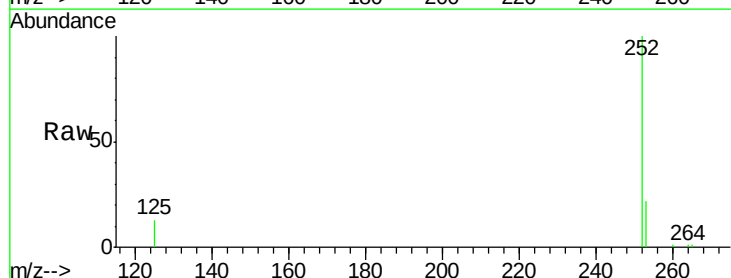
Tgt Ion:252 Resp: 15731

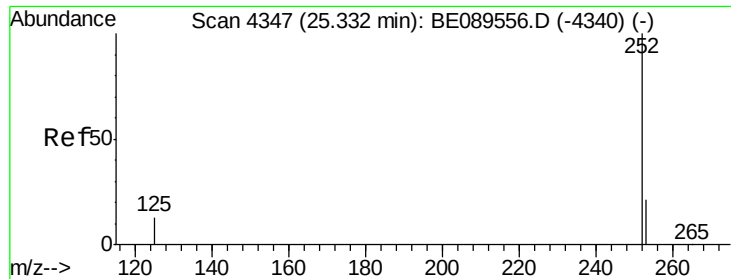
Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

125 12.6 9.6 14.4





#25

Benzo(a)pyrene

Concen: 0.48 ng

RT: 25.33 min Scan# 4347

Delta R.T. -0.00 min

Lab File: BE089554.D

Acq: 10 Feb 2015 17:47

Instrument :

BNA_E

LabSampleId :

SSTDICC0.5

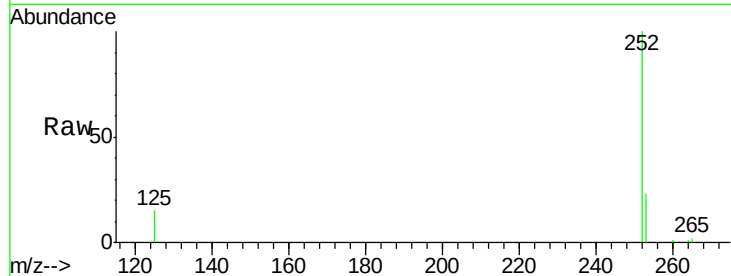
Tgt Ion: 252 Resp: 9092

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

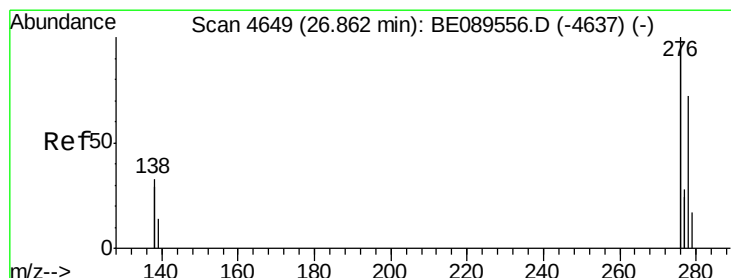
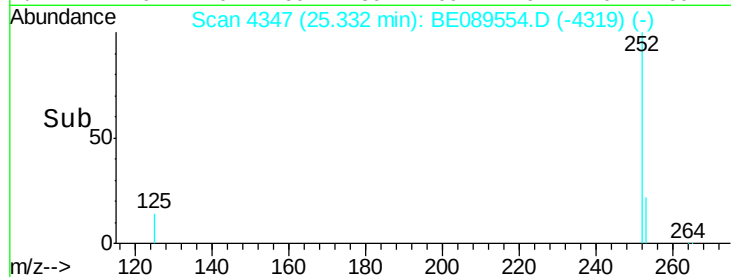
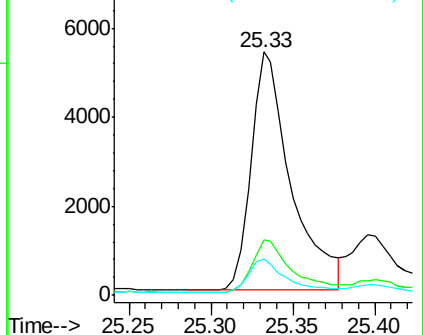
125 14.7 11.1 16.7



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: 0.54 ng

RT: 26.86 min Scan# 4649

Delta R.T. 0.00 min

Lab File: BE089554.D

Acq: 10 Feb 2015 17:47

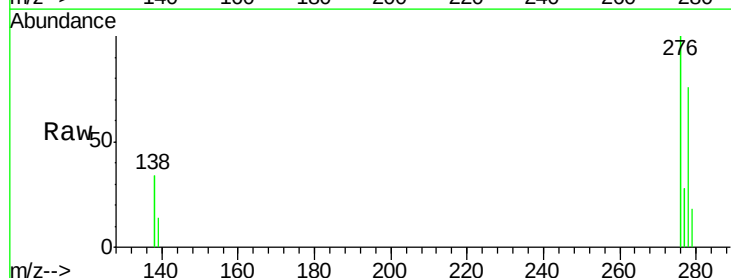
Tgt Ion: 278 Resp: 10482

Ion Ratio Lower Upper

278 100

139 18.8 16.1 24.1

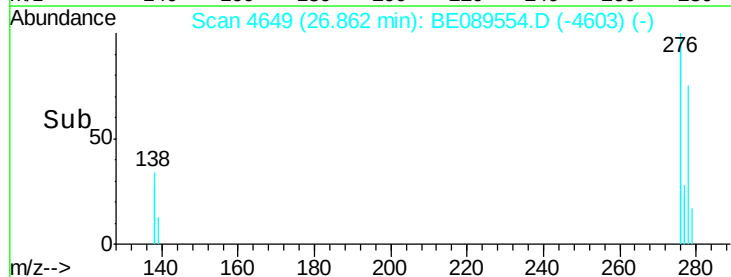
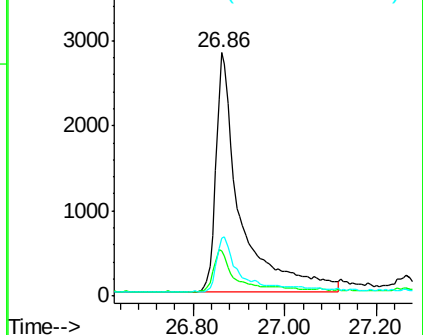
279 23.9 19.6 29.4

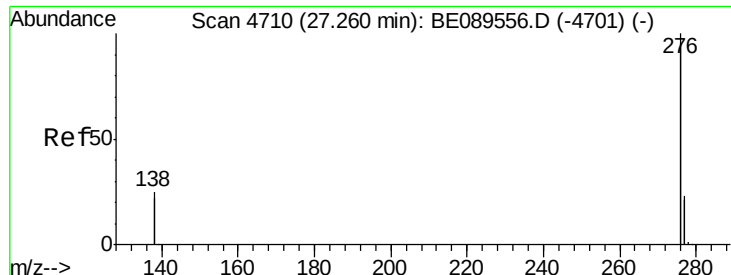


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.53 ng

RT: 27.26 min Scan# 4710

Delta R.T. 0.00 min

Lab File: BE089554.D

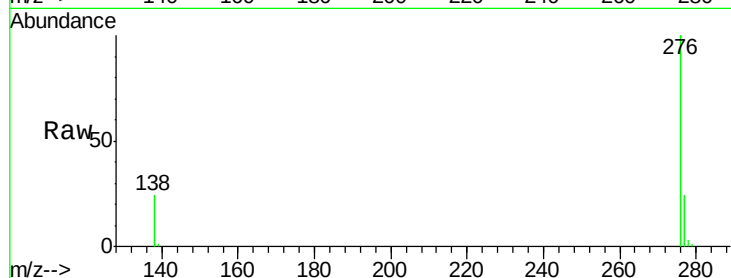
Acq: 10 Feb 2015 17:47

Instrument :

BNA_E

LabSampleId :

SSTDICC0.5



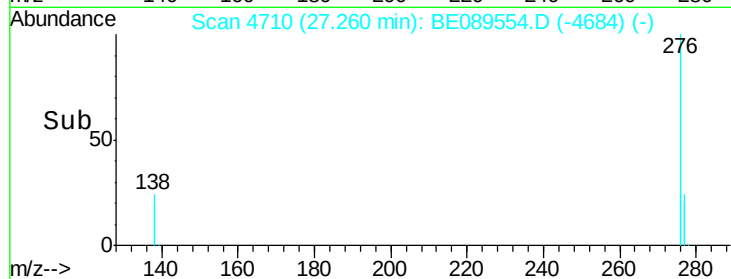
Tgt Ion: 276 Resp: 46694

Ion Ratio Lower Upper

276 100

277 24.0 18.7 28.1

138 24.4 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

