

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089559.D
 Acq On : 7 Feb 2015 13:56
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc : MDL-WATER-0.1/0.2
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

Quant Time: Feb 09 00:17:44 2015
 Quant Method : Z:\HPCHEM1\BNA_E\methods\SIMPAH-BE020615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 07 04:07:57 2015
 Response via : Initial Calibration

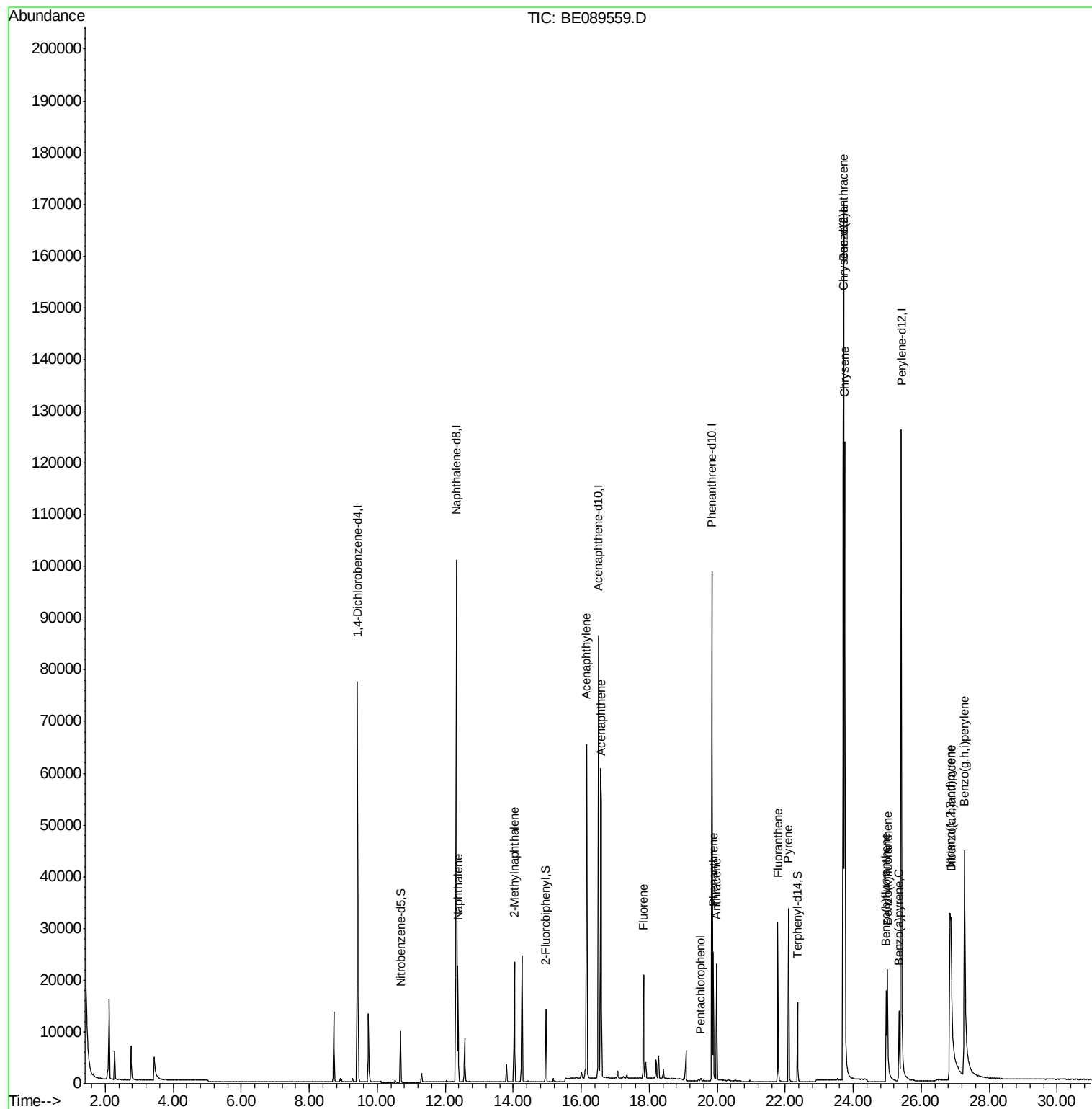
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.42	152	33234	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	126797	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	51339	5.00	ng	0.00
11) Phenanthrene-d10	19.84	188	97487	5.00	ng	0.00
16) Chrysene-d12	23.72	240	116898	5.00	ng	0.00
22) Perylene-d12	25.41	264	121907	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.68	82	7716	0.92	ng	0.00
7) 2-Fluorobiphenyl	14.96	172	13225	0.97	ng	0.00
18) Terphenyl-d14	22.36	244	14265	0.93	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	12.37	128	27398	0.96	ng	99
5) 2-Methylnaphthalene	14.03	142	15635	0.96	ng	99
8) Acenaphthylene	16.16	152	84682	0.98	ng	100
9) Acenaphthene	16.59	154	13273	0.97	ng	98
10) Fluorene	17.83	166	14400	0.99	ng	99
12) Pentachlorophenol	19.52	266	293	0.92	ng	94
13) Phenanthrene	19.89	178	23247	0.96	ng	99
14) Anthracene	19.98	178	19746	0.97	ng	99
15) Fluoranthene	21.79	202	21676	0.96	ng	98
17) Pyrene	22.10	202	23944	0.96	ng	99
19) Benzo(a)anthracene	23.70	228	89215	0.86	ng	94
20) Chrysene	23.75	228	105477	1.00	ng	96
21) Indeno(1,2,3-cd)pyrene	26.85	276	101311	0.69	ng	# 80
23) Benzo(b)fluoranthene	24.97	252	15535	0.66	ng	99
24) Benzo(k)fluoranthene	25.00	252	32382	1.10	ng	98
25) Benzo(a)pyrene	25.34	252	17419	0.74	ng	99
26) Dibenzo(a,h)anthracene	26.88	278	20544	0.71	ng	99
27) Benzo(g,h,i)perylene	27.27	276	93028	0.79	ng	99

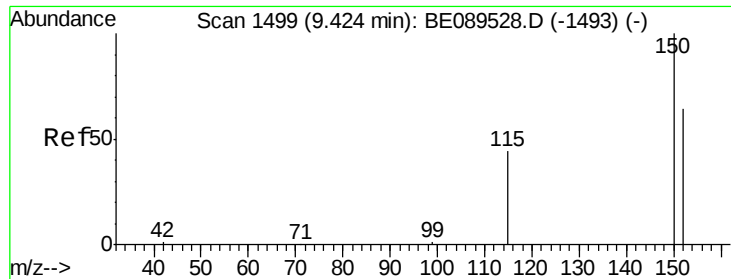
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.42 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BE089559.D

Acq: 7 Feb 2015 13:56

Instrument :

BNA_E

LabSampleId :

SSTDICC010

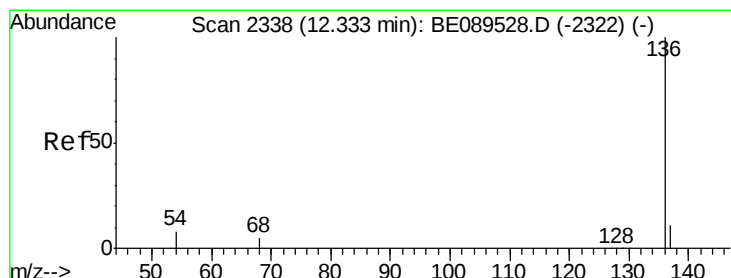
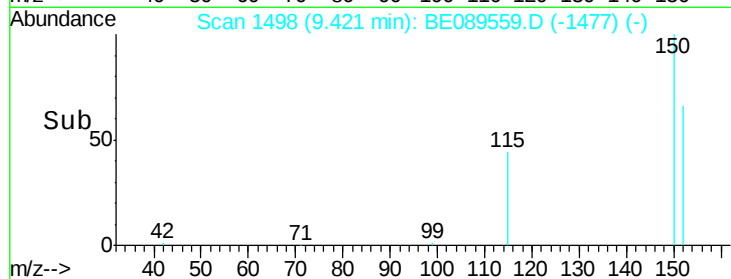
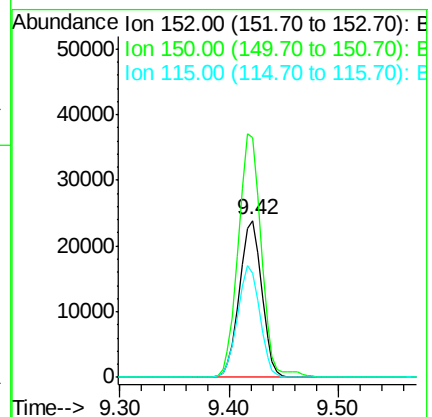
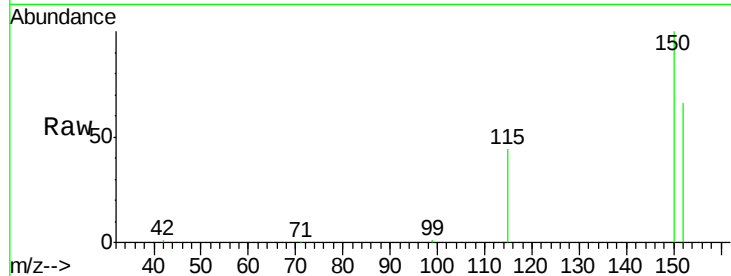
Tgt Ion:152 Resp: 33234

Ion Ratio Lower Upper

152 100

150 152.5 125.7 188.5

115 66.5 55.6 83.4



#2

Naphthalene-d8

Concen: 5.00 ng

RT: 12.33 min Scan# 2337

Delta R.T. -0.00 min

Lab File: BE089559.D

Acq: 7 Feb 2015 13:56

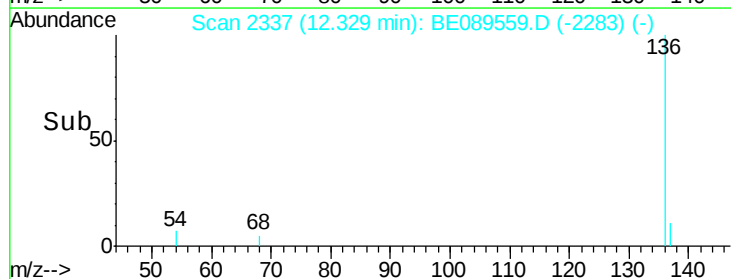
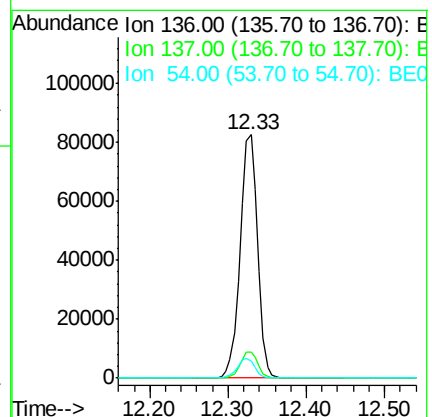
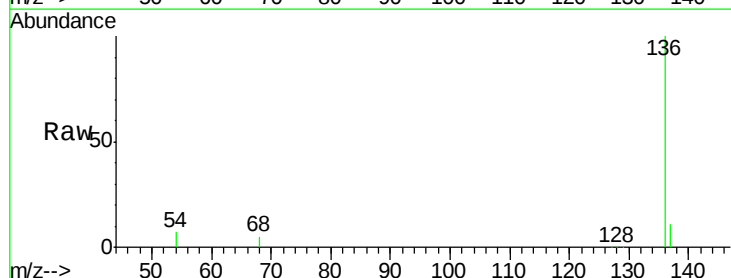
Tgt Ion:136 Resp: 126797

Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 6.9 6.1 9.1





#3

Nitrobenzene-d5

Concen: 0.92 ng

RT: 10.68 min Scan# 1893

Delta R.T. -0.01 min

Lab File: BE089559.D

Acq: 7 Feb 2015 13:56

Instrument :

BNA_E

LabSampleId :

SSTDIC010

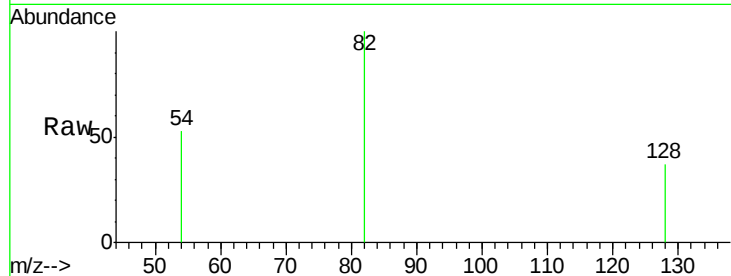
Tgt Ion: 82 Resp: 7716

Ion Ratio Lower Upper

82 100

128 37.2 30.2 45.4

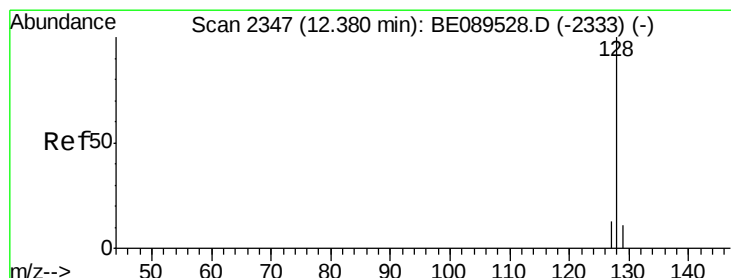
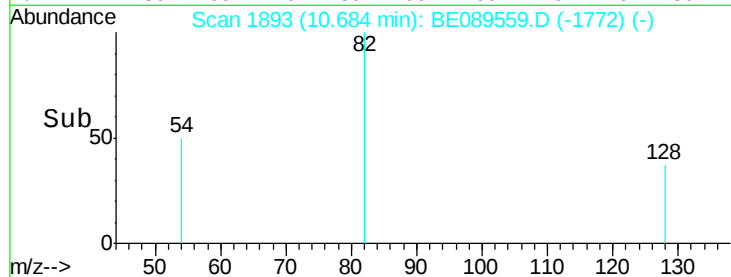
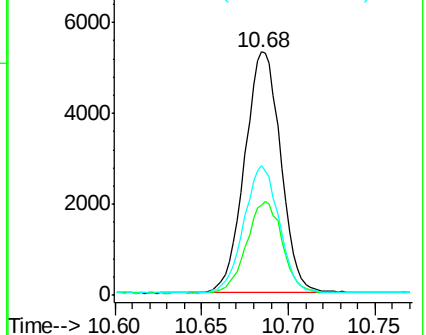
54 53.1 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BE089528.D (-1876) (-)

Ion 128.00 (127.70 to 128.70): BE089528.D (-1876) (-)

Ion 54.00 (53.70 to 54.70): BE089528.D (-1876) (-)



#4

Naphthalene

Concen: 0.96 ng

RT: 12.37 min Scan# 2345

Delta R.T. -0.01 min

Lab File: BE089559.D

Acq: 7 Feb 2015 13:56

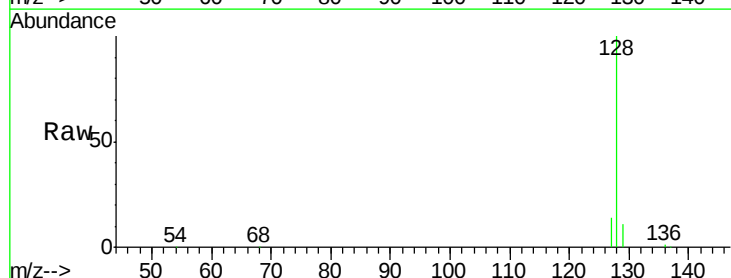
Tgt Ion: 128 Resp: 27398

Ion Ratio Lower Upper

128 100

129 11.3 9.1 13.7

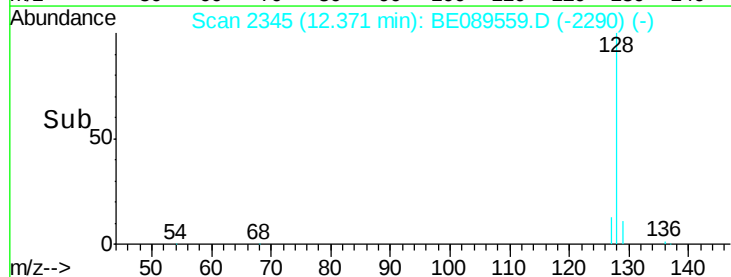
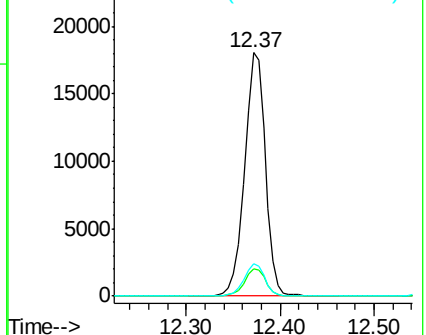
127 13.5 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): BE089528.D (-2333) (-)

Ion 129.00 (128.70 to 129.70): BE089528.D (-2333) (-)

Ion 127.00 (126.70 to 127.70): BE089528.D (-2333) (-)





#5

2-Methylnaphthalene

Concen: 0.96 ng

RT: 14.03 min Scan# 2678

Delta R.T. -0.01 min

Lab File: BE089559.D

Acq: 7 Feb 2015 13:56

Instrument :

BNA_E

LabSampleId :

SSTDICC010

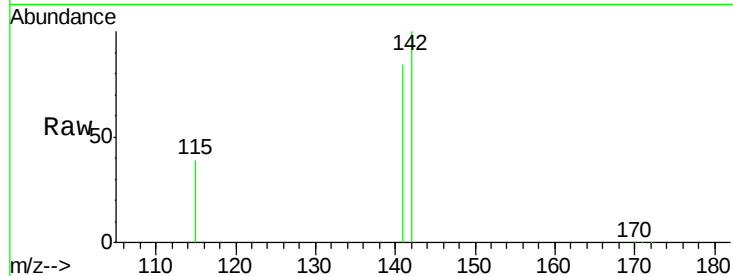
Tgt Ion:142 Resp: 15635

Ion Ratio Lower Upper

142 100

141 84.1 67.0 100.6

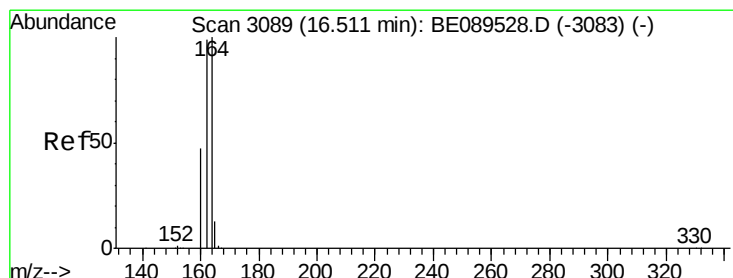
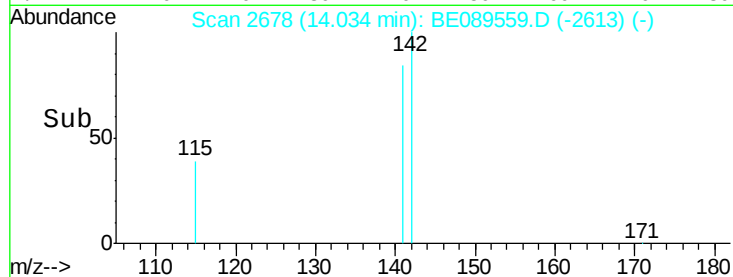
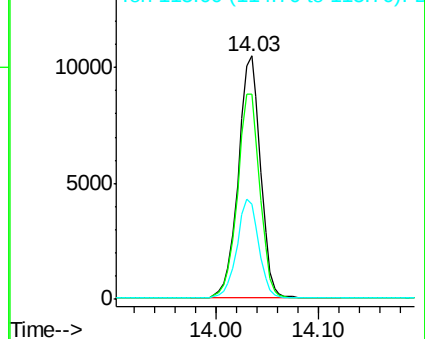
115 39.0 30.6 45.8



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: 16.51 min Scan# 3089

Delta R.T. 0.00 min

Lab File: BE089559.D

Acq: 7 Feb 2015 13:56

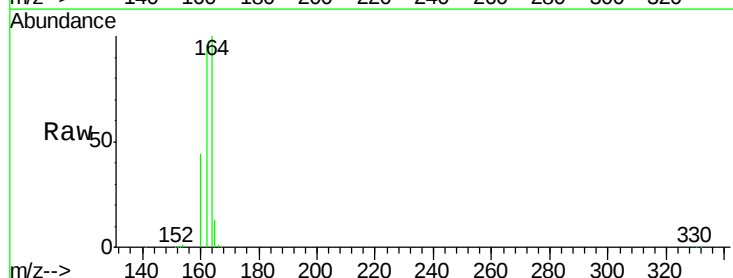
Tgt Ion:164 Resp: 51339

Ion Ratio Lower Upper

164 100

162 96.0 79.5 119.3

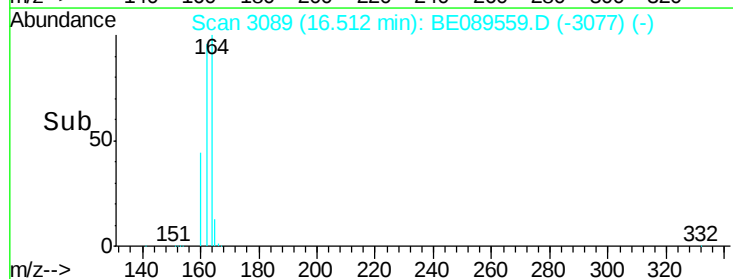
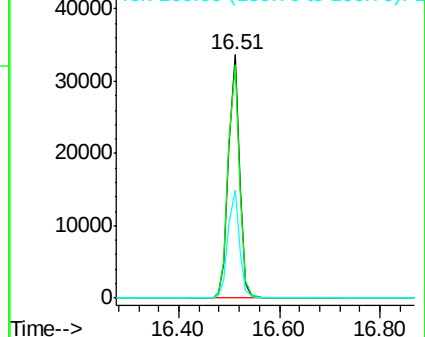
160 44.2 37.6 56.4



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: 0.97 ng

RT: 14.96 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BE089559.D

Acq: 7 Feb 2015 13:56

Instrument :

BNA_E

LabSampleId :

SSTDIC010

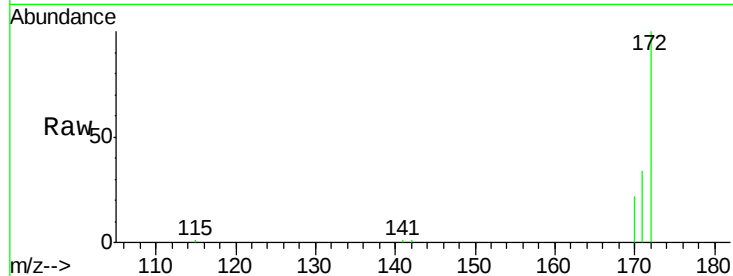
Tgt Ion:172 Resp: 13225

Ion Ratio Lower Upper

172 100

171 34.4 27.7 41.5

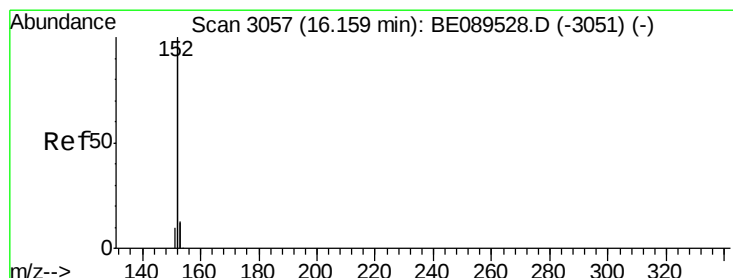
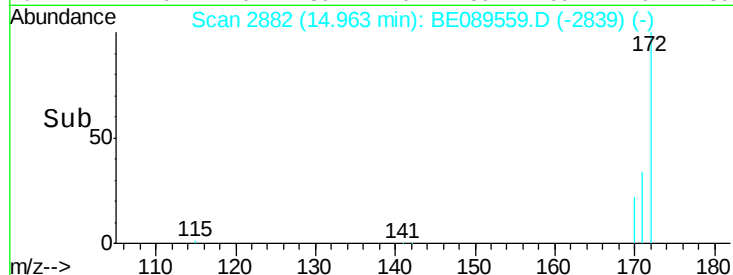
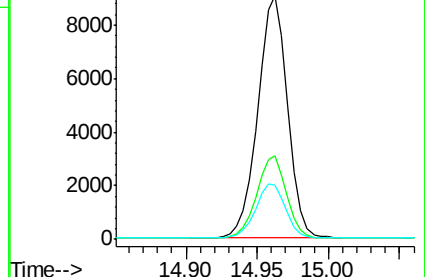
170 22.3 18.3 27.5



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: 0.98 ng

RT: 16.16 min Scan# 3057

Delta R.T. 0.00 min

Lab File: BE089559.D

Acq: 7 Feb 2015 13:56

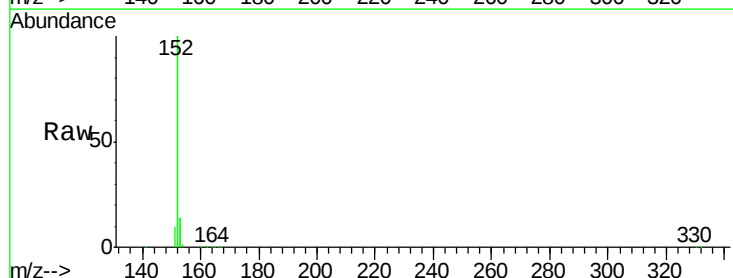
Tgt Ion:152 Resp: 84682

Ion Ratio Lower Upper

152 100

151 4.9 4.0 6.0

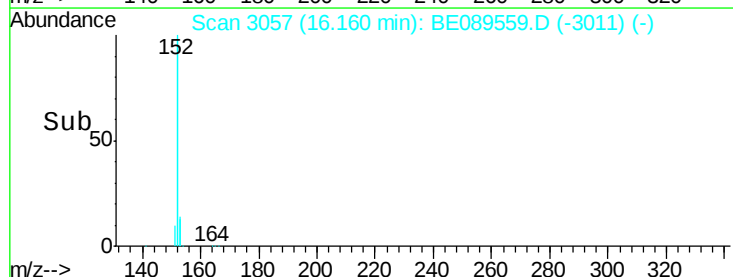
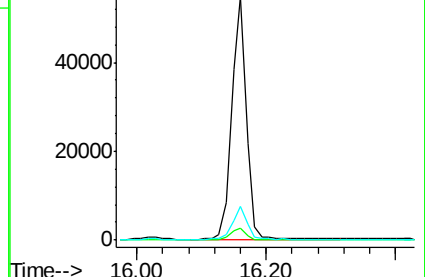
153 13.1 10.6 15.8

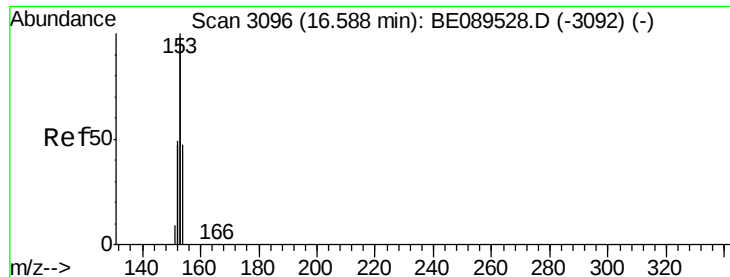


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.97 ng

RT: 16.59 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BE089559.D

Acq: 7 Feb 2015 13:56

Instrument :

BNA_E

LabSampleId :

SSTDIC010

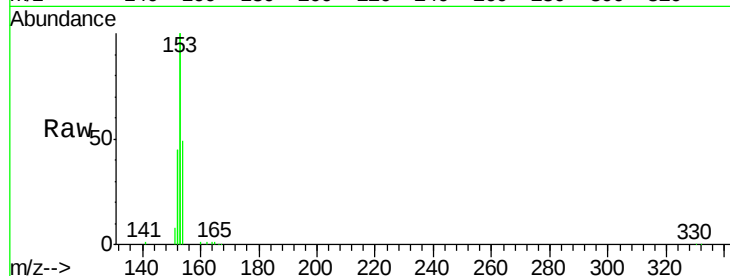
Tgt Ion:154 Resp: 13273

Ion Ratio Lower Upper

154 100

153 431.0 340.8 511.2

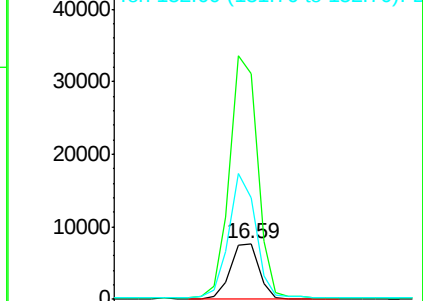
152 210.6 165.5 248.3



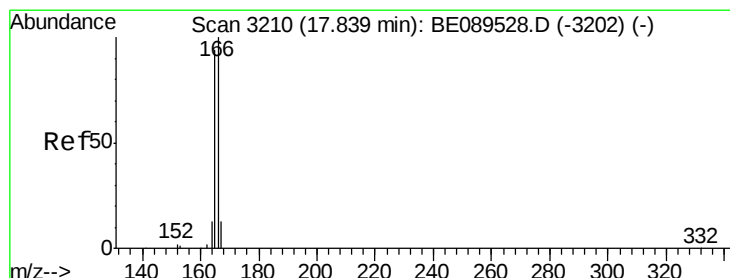
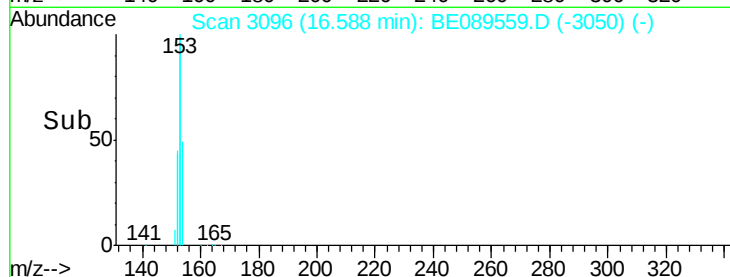
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->



#10

Fluorene

Concen: 0.99 ng

RT: 17.83 min Scan# 3209

Delta R.T. -0.01 min

Lab File: BE089559.D

Acq: 7 Feb 2015 13:56

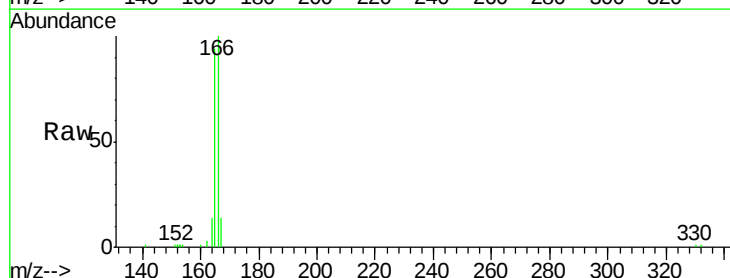
Tgt Ion:166 Resp: 14400

Ion Ratio Lower Upper

166 100

165 93.2 75.5 113.3

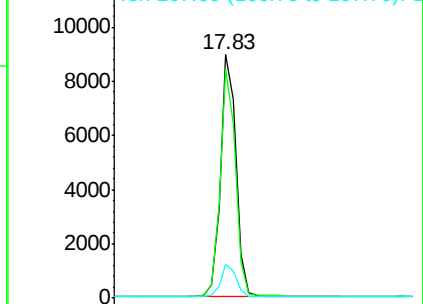
167 13.3 10.9 16.3



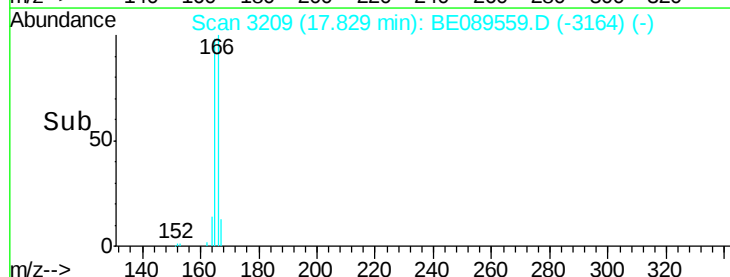
Abundance Ion 166.00 (165.70 to 166.70): E

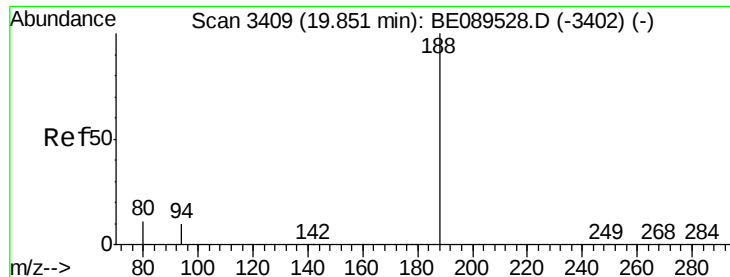
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->





#11

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.84 min Scan# 3408

Delta R.T. -0.01 min

Lab File: BE089559.D

Acq: 7 Feb 2015 13:56

Instrument :

BNA_E

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SSTDIC010

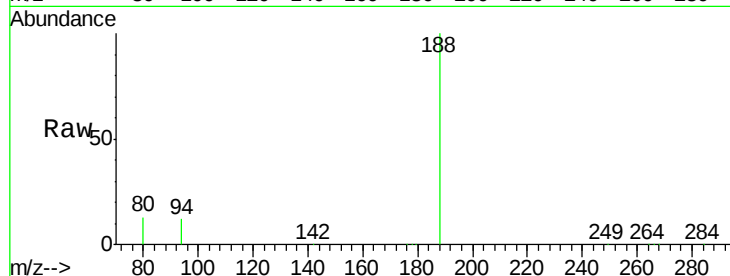
Tgt Ion:188 Resp: 97487

Ion Ratio Lower Upper

188 100

94 12.0 8.4 12.6

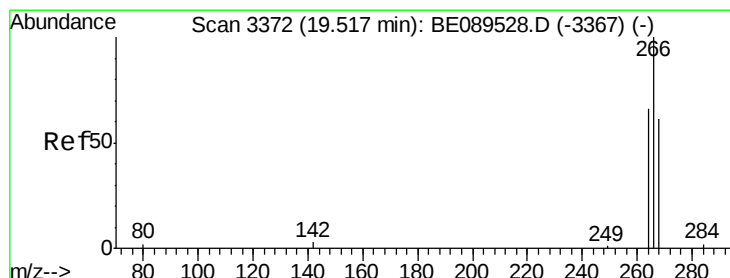
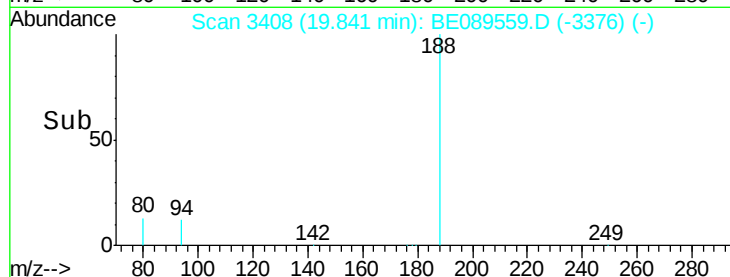
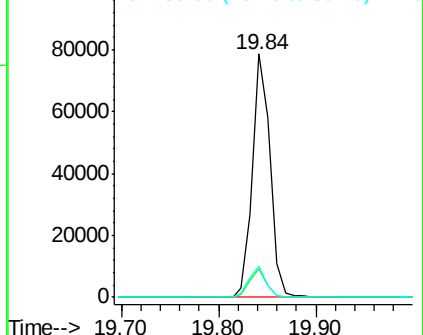
80 12.9 8.6 12.8#



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: 0.92 ng

RT: 19.52 min Scan# 3372

Delta R.T. 0.00 min

Lab File: BE089559.D

Acq: 7 Feb 2015 13:56

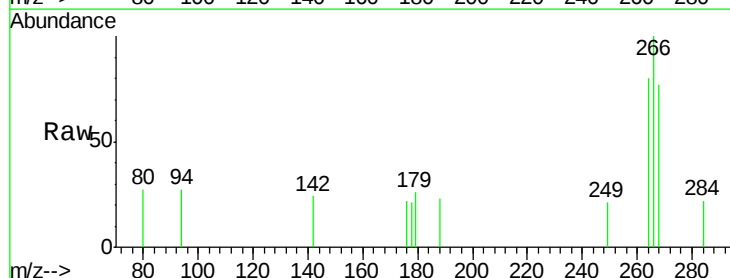
Tgt Ion:266 Resp: 293

Ion Ratio Lower Upper

266 100

268 77.2 57.9 86.9

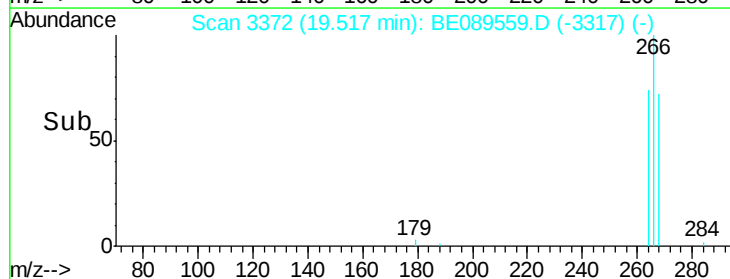
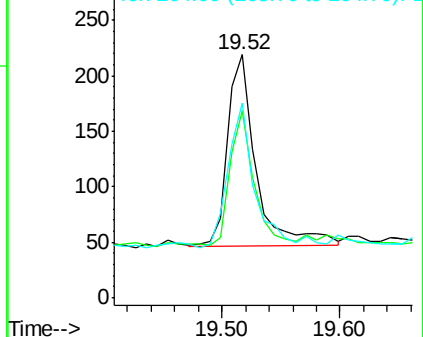
264 80.4 60.2 90.4

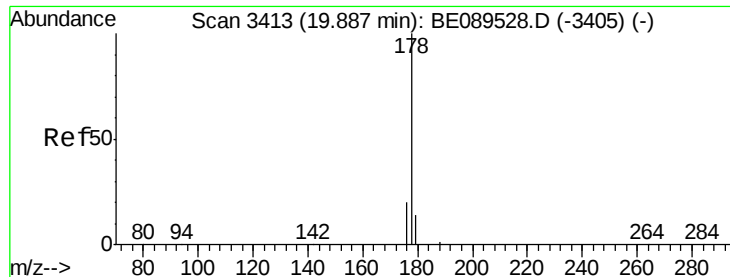


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

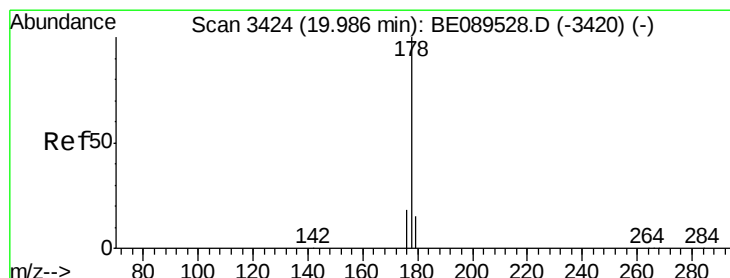
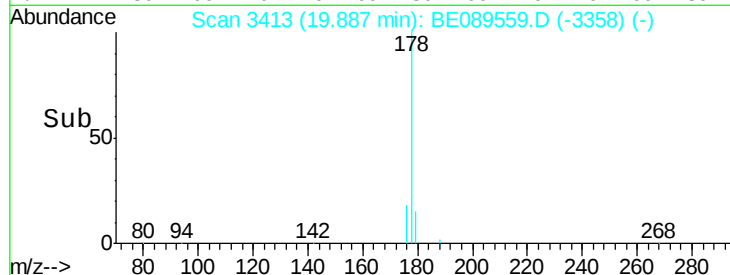
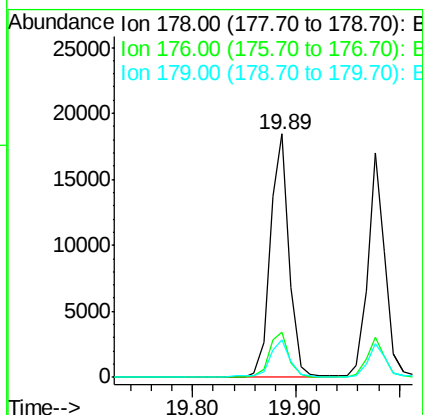
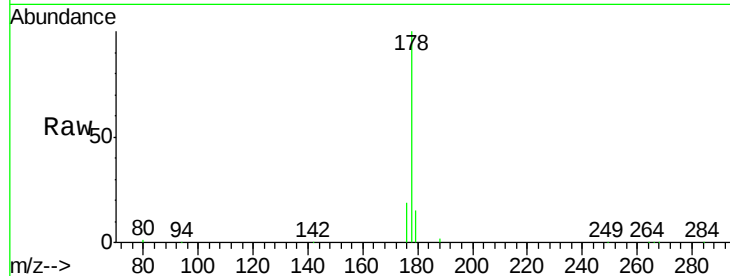




#13
Phenanthrene
Concen: 0.96 ng
RT: 19.89 min Scan# 3413
Delta R.T. -0.00 min
Lab File: BE089559.D
Acq: 7 Feb 2015 13:56

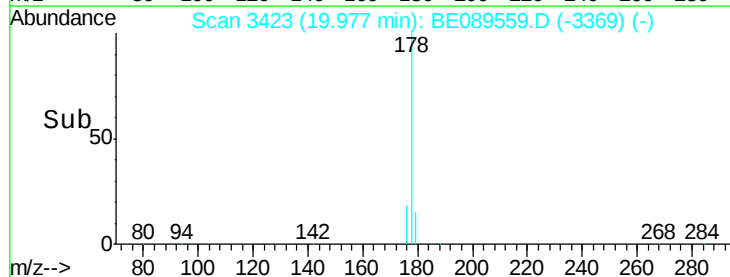
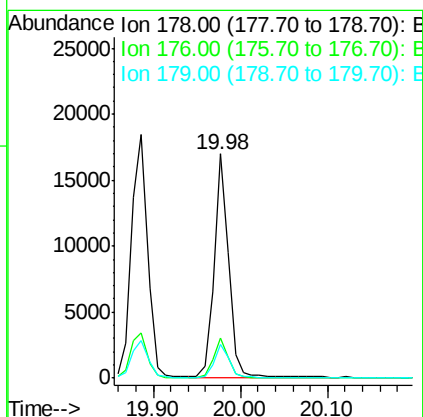
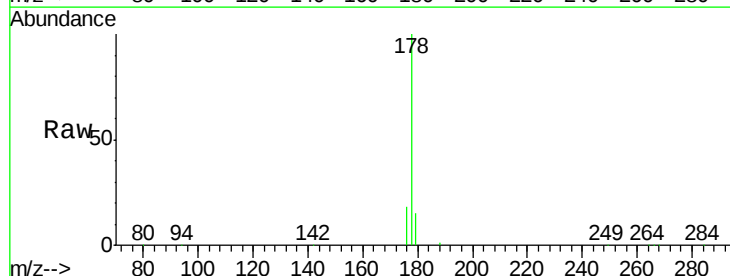
Instrument :
BNA_E
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SSTDIC010

Tgt Ion:178 Resp: 23247
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.5 12.2 18.2



#14
Anthracene
Concen: 0.97 ng
RT: 19.98 min Scan# 3423
Delta R.T. -0.01 min
Lab File: BE089559.D
Acq: 7 Feb 2015 13:56

Tgt Ion:178 Resp: 19746
Ion Ratio Lower Upper
178 100
176 17.8 14.5 21.7
179 15.3 12.2 18.2

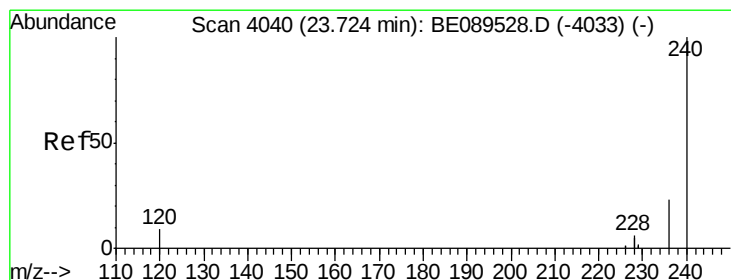
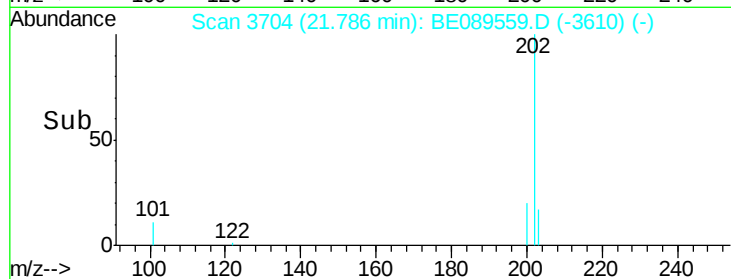
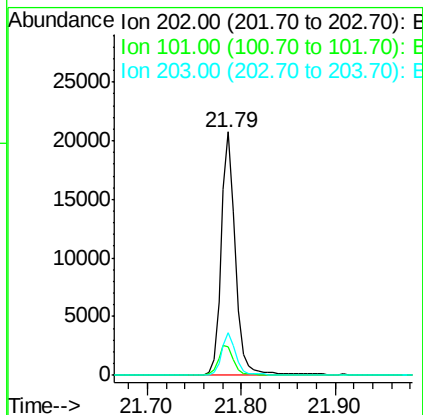
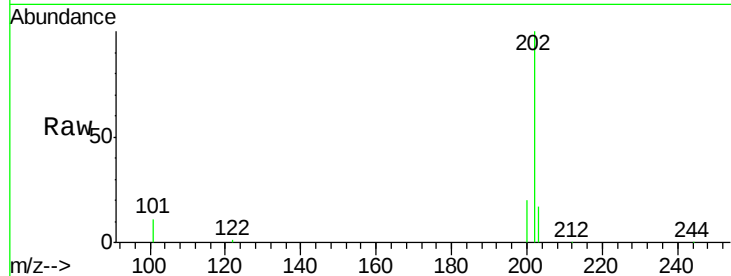




#15
Fluoranthene
Concen: 0.96 ng
RT: 21.79 min Scan# 3704
Delta R.T. -0.00 min
Lab File: BE089559.D
Acq: 7 Feb 2015 13:56

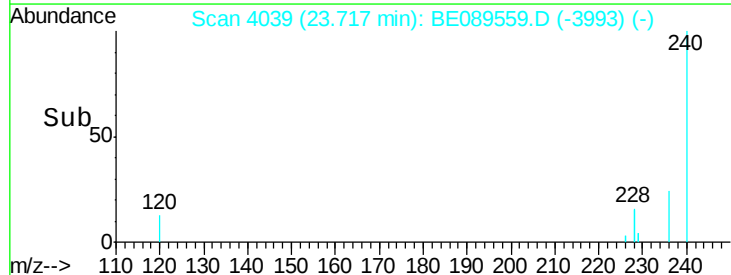
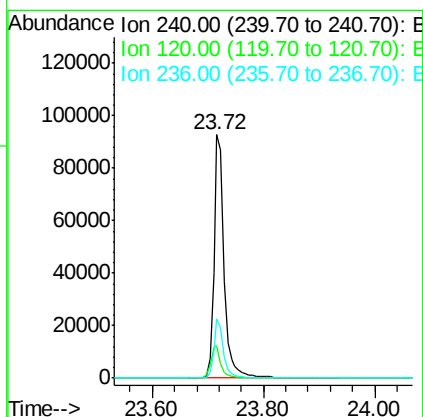
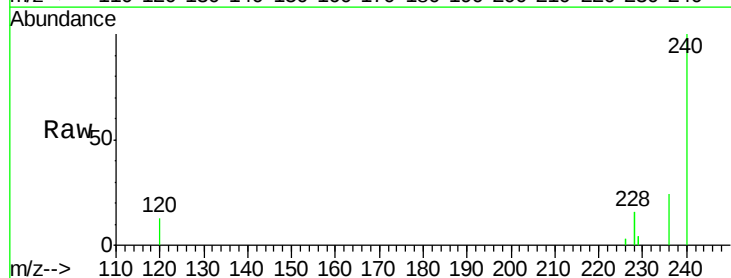
Instrument :
BNA_E
LabSampleId :
SSTDIC010

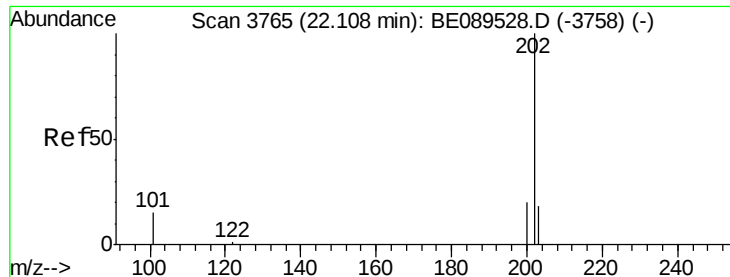
Tgt Ion: 202 Resp: 21676
Ion Ratio Lower Upper
202 100
101 12.8 11.6 17.4
203 17.1 13.6 20.4



#16
Chrysene-d12
Concen: 5.00 ng
RT: 23.72 min Scan# 4039
Delta R.T. -0.01 min
Lab File: BE089559.D
Acq: 7 Feb 2015 13:56

Tgt Ion: 240 Resp: 116898
Ion Ratio Lower Upper
240 100
120 13.4 7.2 10.8#
236 24.4 18.5 27.7

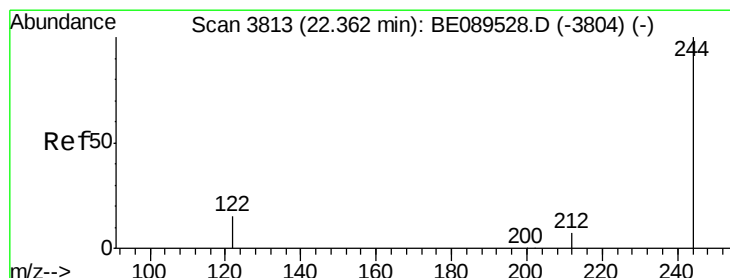
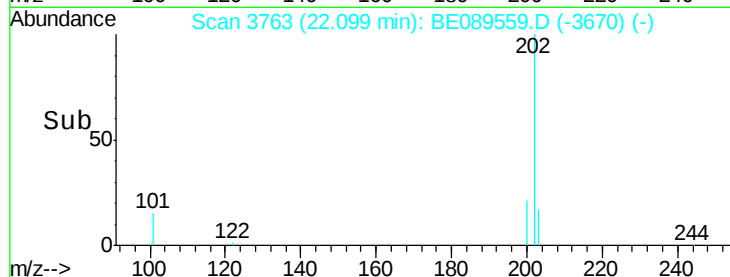
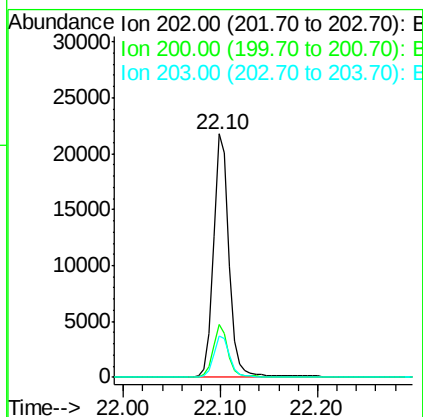
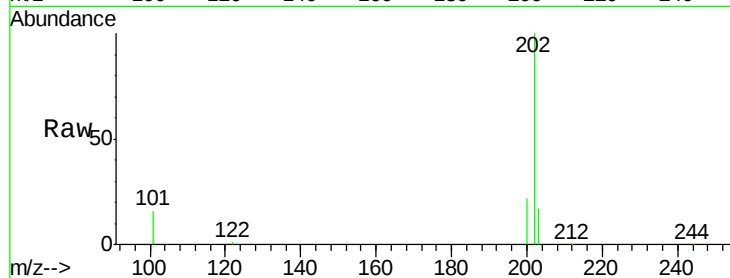




#17
 Pyrene
 Concen: 0.96 ng
 RT: 22.10 min Scan# 3763
 Delta R.T. -0.01 min
 Lab File: BE089559.D
 Acq: 7 Feb 2015 13:56

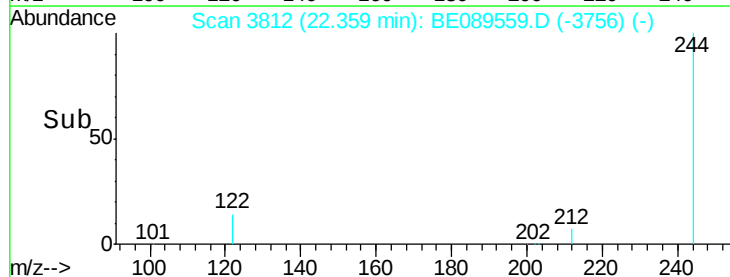
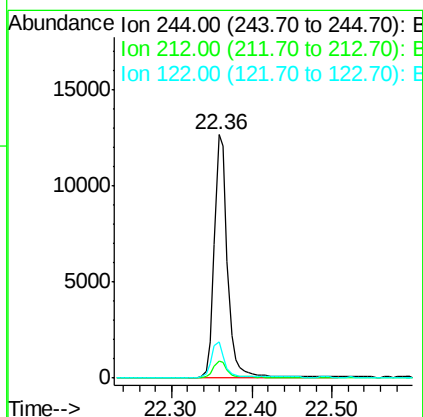
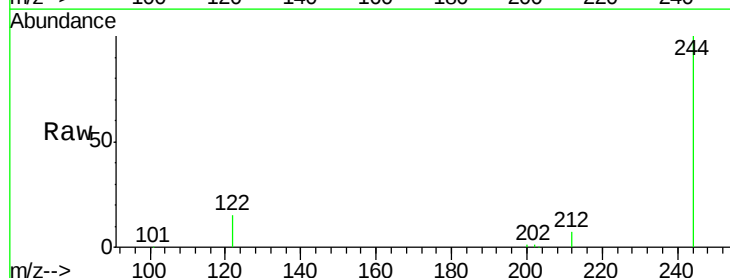
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

Tgt Ion: 202 Resp: 23944
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.3 24.5
 203 17.1 13.5 20.3



#18
 Terphenyl-d14
 Concen: 0.93 ng
 RT: 22.36 min Scan# 3812
 Delta R.T. -0.00 min
 Lab File: BE089559.D
 Acq: 7 Feb 2015 13:56

Tgt Ion: 244 Resp: 14265
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 14.7 12.6 19.0





#19

Benzo(a)anthracene

Concen: 0.86 ng

RT: 23.70 min Scan# 4037

Delta R.T. -0.01 min

Lab File: BE089559.D

Acq: 7 Feb 2015 13:56

Instrument :

BNA_E

LabSampleId :

SSTDICC010

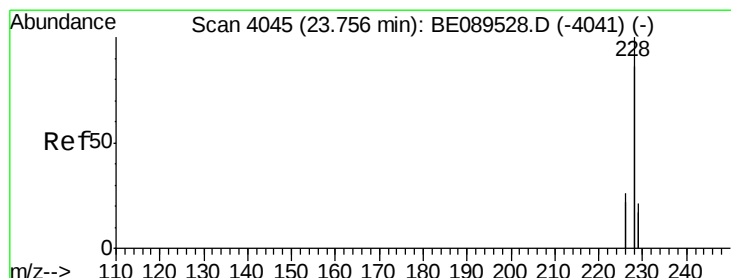
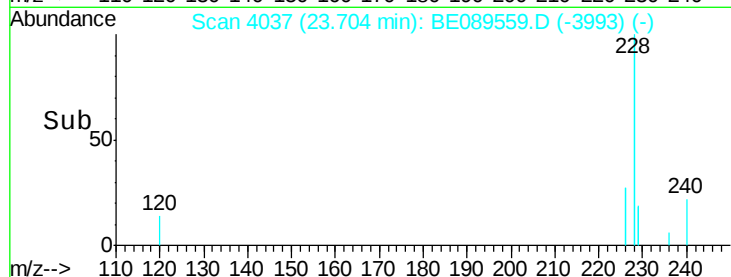
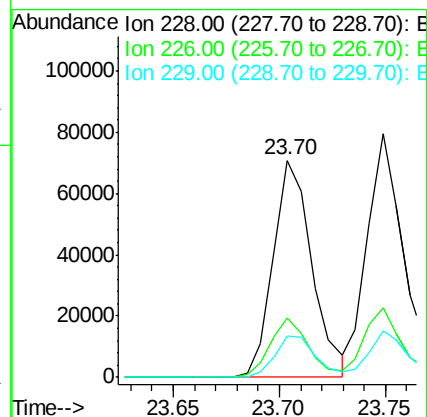
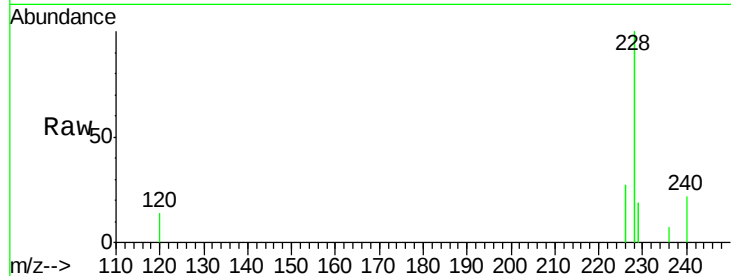
Tgt Ion:228 Resp: 89215

Ion Ratio Lower Upper

228 100

226 27.1 19.0 28.4

229 18.9 16.8 25.2



#20

Chrysene

Concen: 1.00 ng

RT: 23.75 min Scan# 4044

Delta R.T. -0.01 min

Lab File: BE089559.D

Acq: 7 Feb 2015 13:56

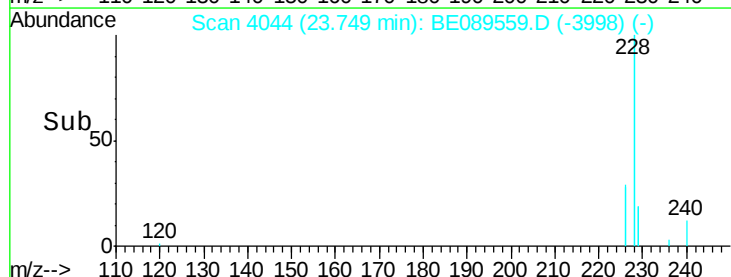
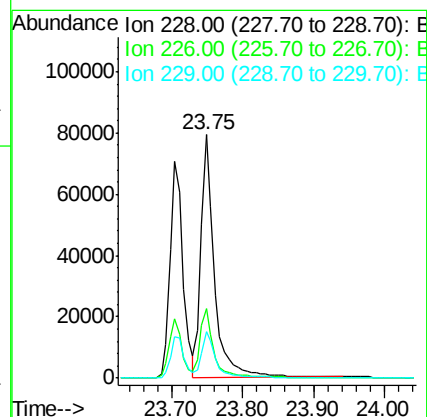
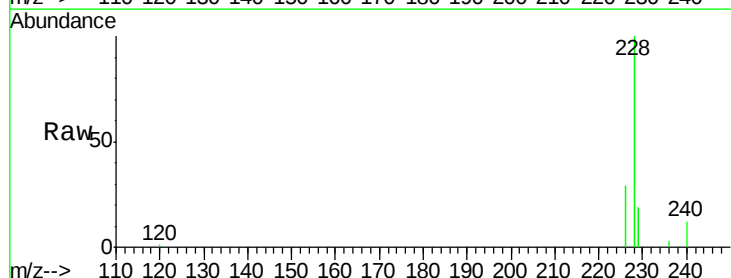
Tgt Ion:228 Resp: 105477

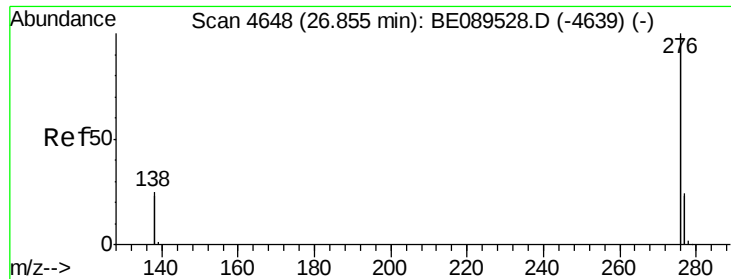
Ion Ratio Lower Upper

228 100

226 28.8 21.0 31.4

229 19.3 16.7 25.1





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.69 ng

RT: 26.85 min Scan# 4647

Delta R.T. -0.01 min

Lab File: BE089559.D

Acq: 7 Feb 2015 13:56

Instrument :

BNA_E

LabSampleId :

SSTDIC010

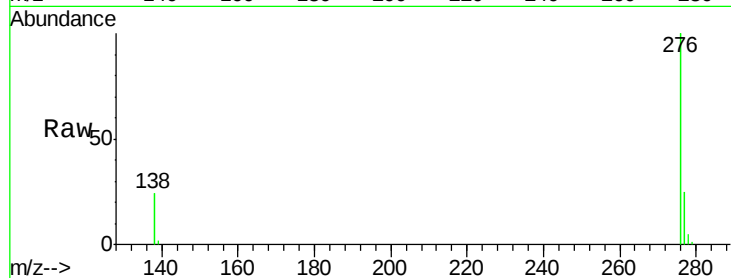
Tgt Ion: 276 Resp: 101311

Ion Ratio Lower Upper

276 100

138 9.1 23.0 34.4#

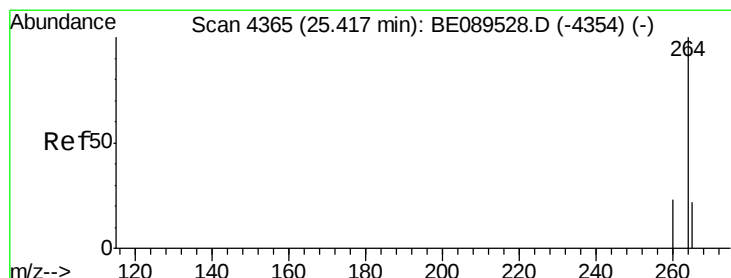
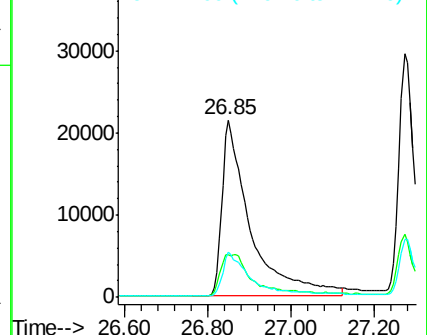
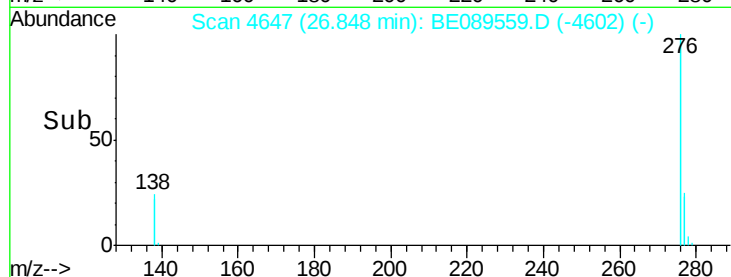
277 24.4 19.9 29.9



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: 25.41 min Scan# 4364

Delta R.T. -0.01 min

Lab File: BE089559.D

Acq: 7 Feb 2015 13:56

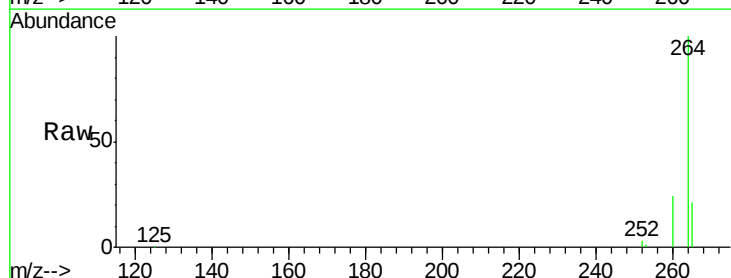
Tgt Ion: 264 Resp: 121907

Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

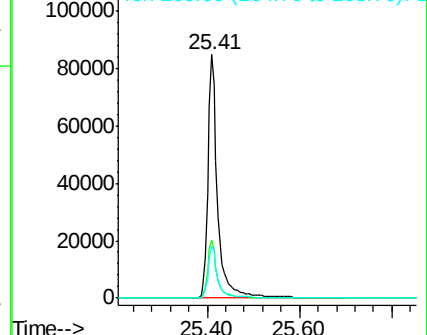
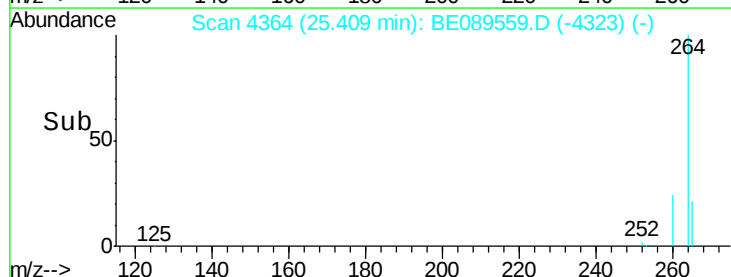
265 21.2 17.5 26.3



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

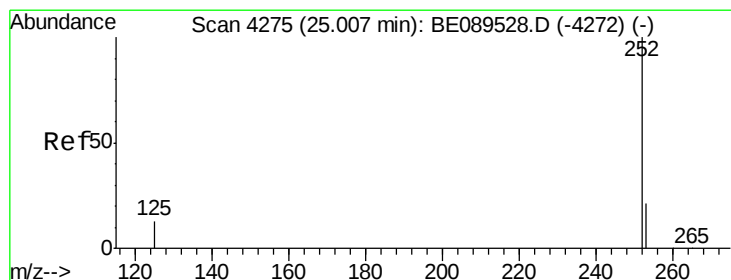
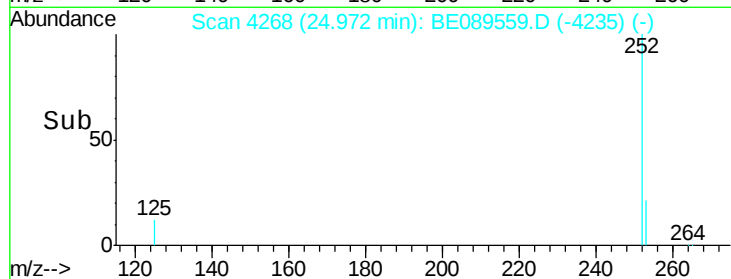
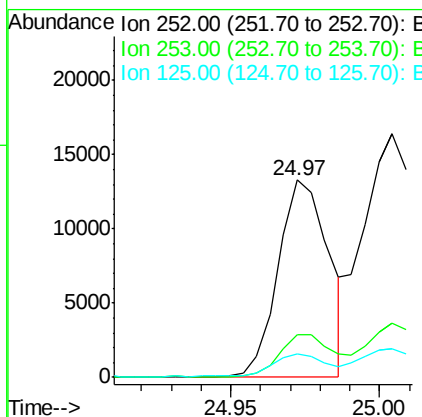
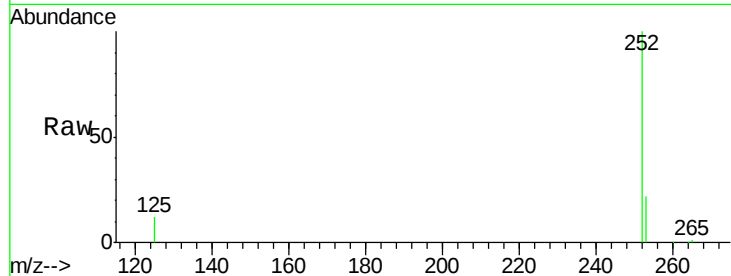




#23
Benzo(b)fluoranthene
Concen: 0.66 ng
RT: 24.97 min Scan# 4268
Delta R.T. -0.01 min
Lab File: BE089559.D
Acq: 7 Feb 2015 13:56

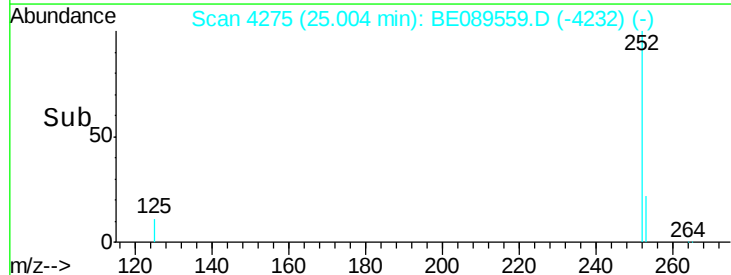
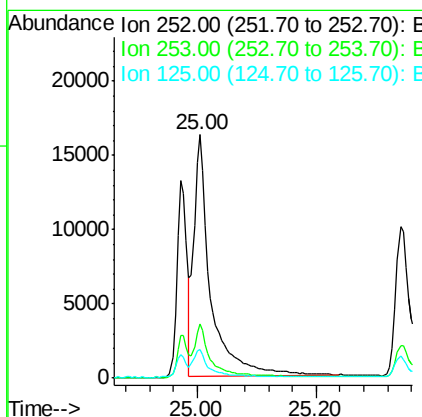
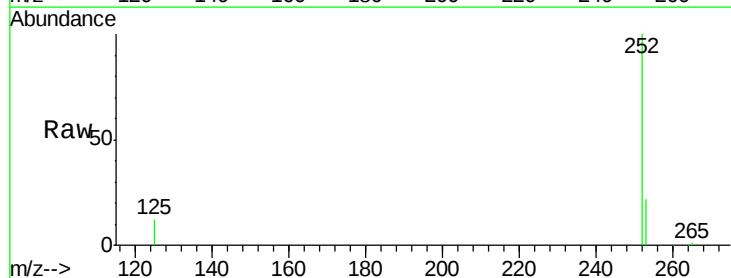
Instrument :
BNA_E
LabSampleId :
SSTDIC010

Tgt Ion: 252 Resp: 15535
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.0
125 12.2 10.4 15.6



#24
Benzo(k)fluoranthene
Concen: 1.10 ng
RT: 25.00 min Scan# 4275
Delta R.T. -0.00 min
Lab File: BE089559.D
Acq: 7 Feb 2015 13:56

Tgt Ion: 252 Resp: 32382
Ion Ratio Lower Upper
252 100
253 22.0 17.2 25.8
125 11.6 10.6 15.8





#25

Benzo(a)pyrene

Concen: 0.74 ng

RT: 25.34 min Scan# 4349

Delta R.T. -0.01 min

Lab File: BE089559.D

Acq: 7 Feb 2015 13:56

Instrument :

BNA_E

LabSampleId :

SSTDICC010

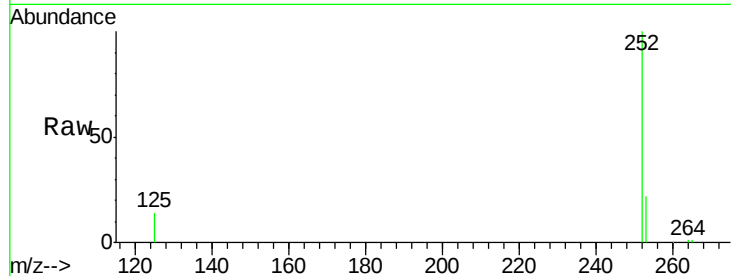
Tgt Ion:252 Resp: 17419

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

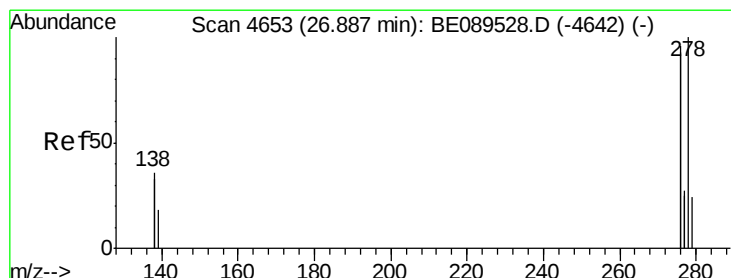
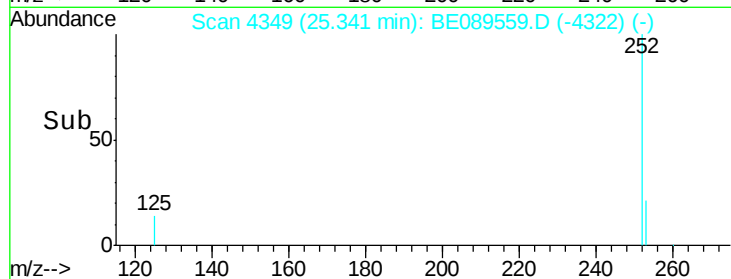
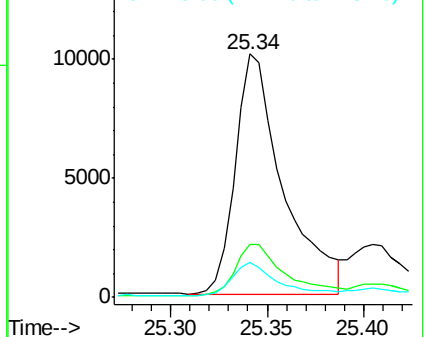
125 14.4 11.4 17.2



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: 0.71 ng

RT: 26.88 min Scan# 4652

Delta R.T. -0.01 min

Lab File: BE089559.D

Acq: 7 Feb 2015 13:56

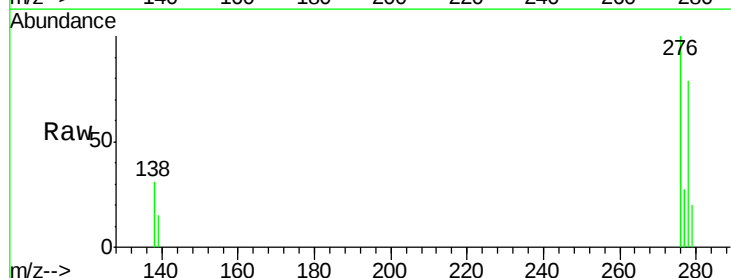
Tgt Ion:278 Resp: 20544

Ion Ratio Lower Upper

278 100

139 18.3 15.7 23.5

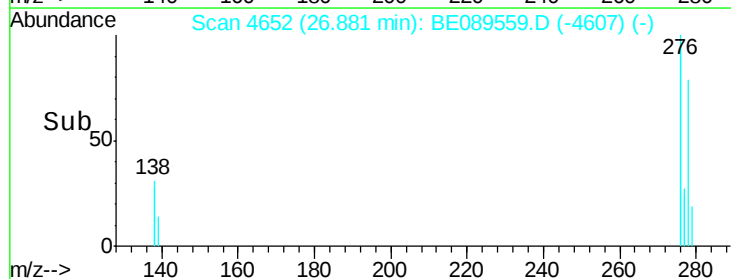
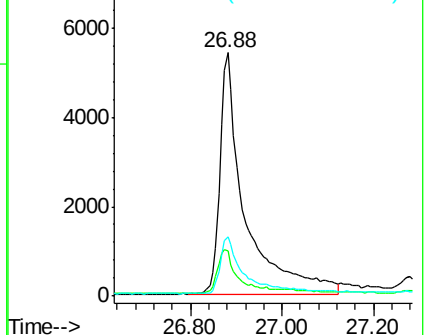
279 24.6 19.5 29.3



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

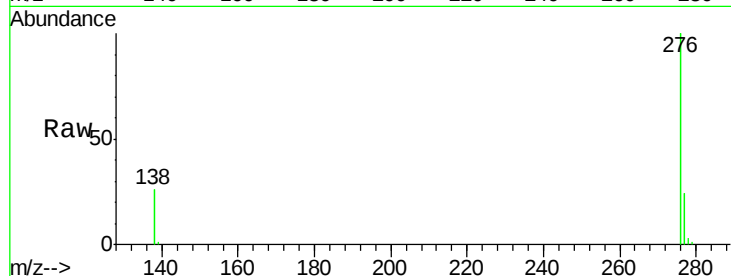




#27
 Benzo(g,h,i)perylene
 Concen: 0.79 ng
 RT: 27.27 min Scan# 4712
 Delta R.T. -0.01 min
 Lab File: BE089559.D
 Acq: 7 Feb 2015 13:56

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	27.8
138	26.2	20.9	31.3



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

