

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089527.D
 Acq On : 6 Feb 2015 14:31
 Operator : TP/IZ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Quant Time: Feb 07 03:34:39 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 03:25:41 2015
 Response via : Initial Calibration

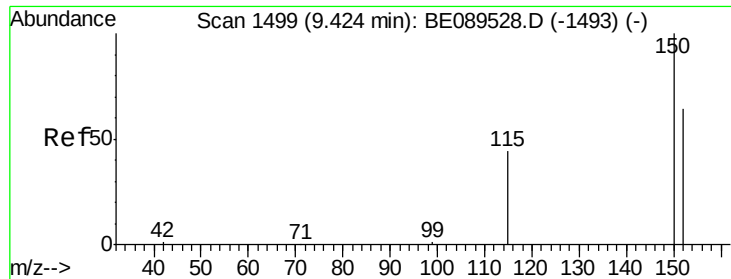
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.43	152	38016	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	145367	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	59245	5.00	ng	0.00
11) Phenanthrene-d10	19.85	188	108442	5.00	ng	0.00
16) Chrysene-d12	23.72	240	126518	5.00	ng	0.00
22) Perylene-d12	25.42	264	137832	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.69	82	7143	0.69	ng	0.00
7) 2-Fluorobiphenyl	14.97	172	11983	0.64	ng	0.00
18) Terphenyl-d14	22.36	244	12928	0.57	ng	0.00

Target Compounds					Qvalue	
4) Naphthalene	12.38	128	25414	0.71	ng	99
5) 2-Methylnaphthalene	14.04	142	14287	0.63	ng	100
8) Acenaphthylene	16.16	152	75989	0.61	ng	100
9) Acenaphthene	16.59	154	12104	0.63	ng	99
10) Fluorene	17.84	166	12929	0.60	ng	99
12) Pentachlorophenol	19.52	266	256	0.31	ng	95
13) Phenanthrene	19.89	178	20577	0.63	ng	99
14) Anthracene	19.99	178	17156	0.58	ng	100
15) Fluoranthene	21.79	202	19276	0.64	ng	100
17) Pyrene	22.11	202	20504	0.53	ng	99
19) Benzo(a)anthracene	23.71	228	85436	0.62	ng	97
20) Chrysene	23.75	228	88075	0.62	ng	99
21) Indeno(1,2,3-cd)pyrene	26.85	276	114606	0.72	ng	99
23) Benzo(b)fluoranthene	24.98	252	20580	0.67	ng	99
24) Benzo(k)fluoranthene	25.01	252	25843	0.59	ng	99
25) Benzo(a)pyrene	25.35	252	19867	0.62	ng	98
26) Dibenzo(a,h)anthracene	26.89	278	24291	0.68	ng	99
27) Benzo(g,h,i)perylene	27.28	276	97960	0.66	ng	100

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

```
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Misc      :  
ALS Vial  : 5 Sample Multiplier: 1
```



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.43 min Scan# 1499

Delta R.T. 0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

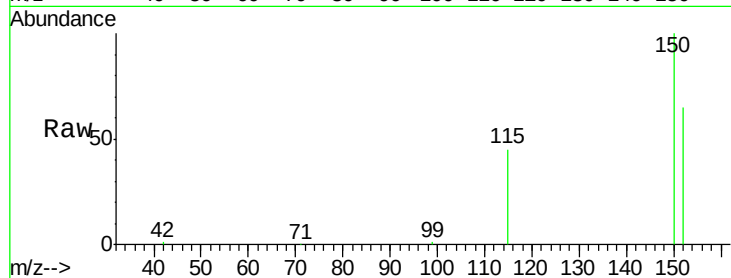
Tgt Ion:152 Resp: 38016

Ion Ratio Lower Upper

152 100

150 154.9 125.7 188.5

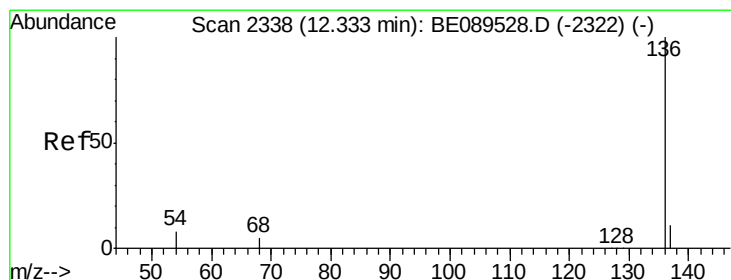
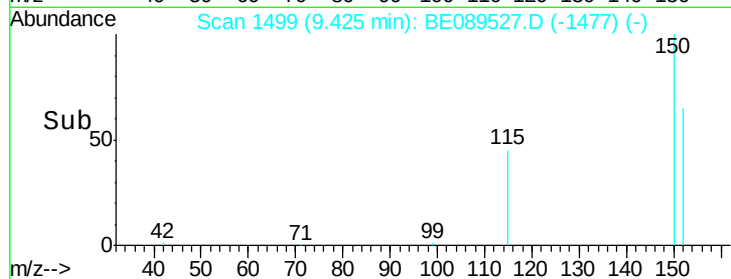
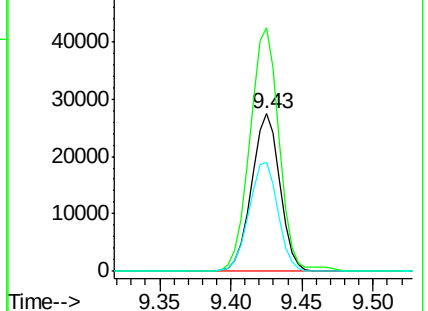
115 69.7 55.6 83.4



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: 12.33 min Scan# 2338

Delta R.T. 0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

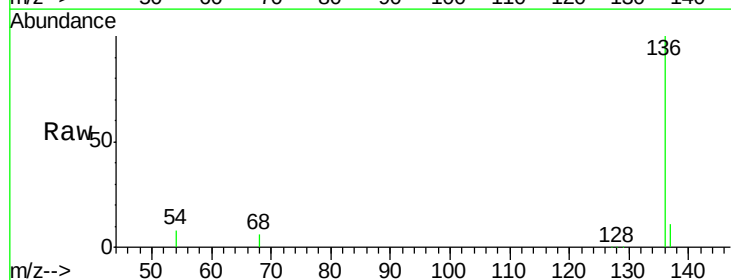
Tgt Ion:136 Resp: 145367

Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

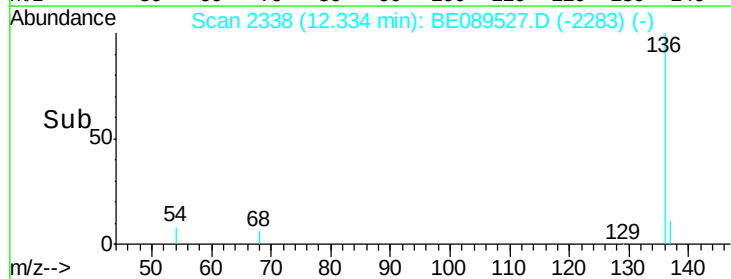
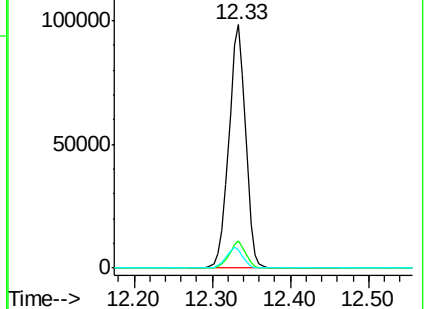
54 7.6 6.1 9.1

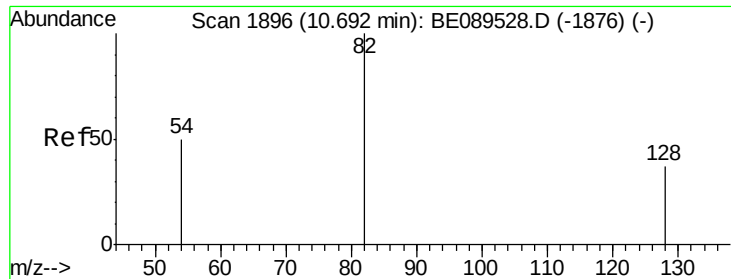


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 0.69 ng

RT: 10.69 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

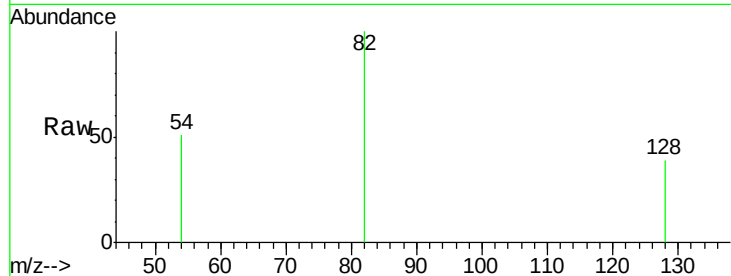
Tgt Ion: 82 Resp: 7143

Ion Ratio Lower Upper

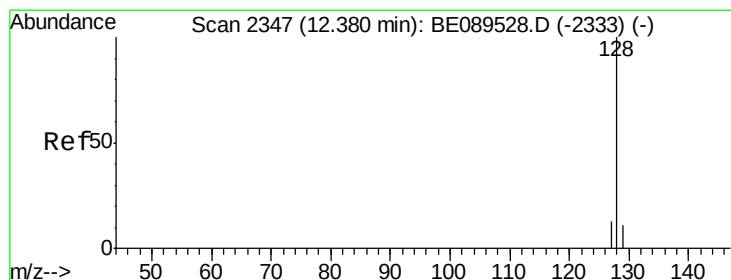
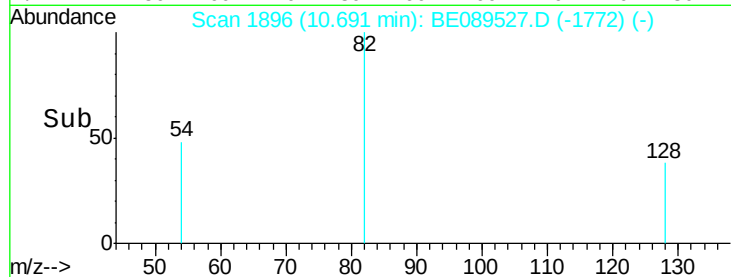
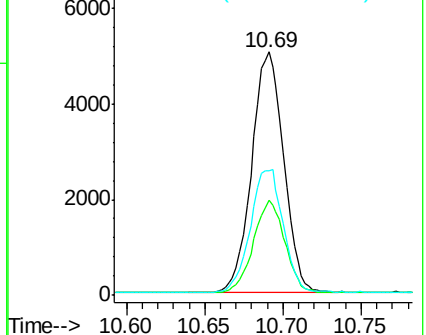
82 100

128 38.8 30.2 45.4

54 51.0 40.6 60.8



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: 0.71 ng

RT: 12.38 min Scan# 2346

Delta R.T. -0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

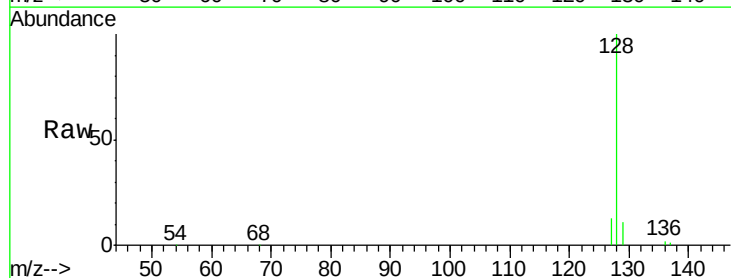
Tgt Ion: 128 Resp: 25414

Ion Ratio Lower Upper

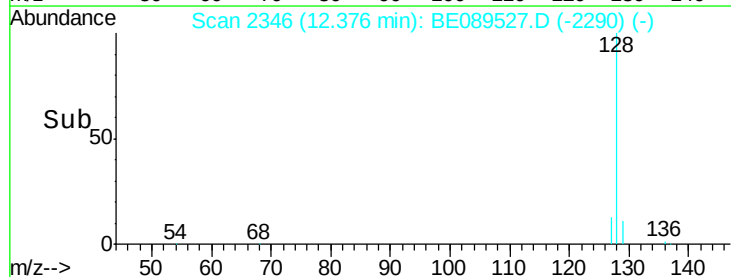
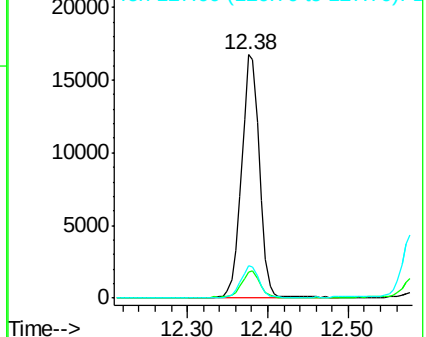
128 100

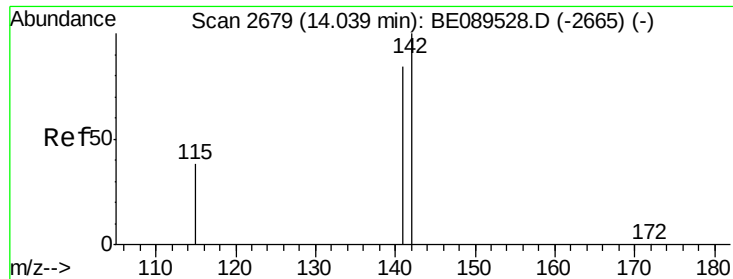
129 10.8 9.1 13.7

127 13.2 10.5 15.7



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: 0.63 ng

RT: 14.04 min Scan# 2679

Delta R.T. -0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

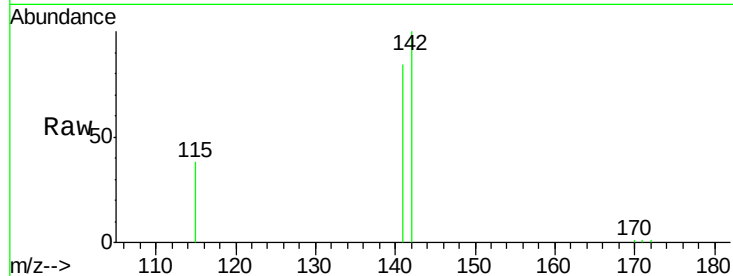
Tgt Ion:142 Resp: 14287

Ion Ratio Lower Upper

142 100

141 83.6 67.0 100.6

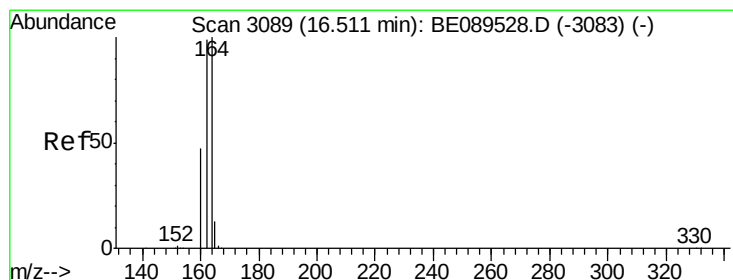
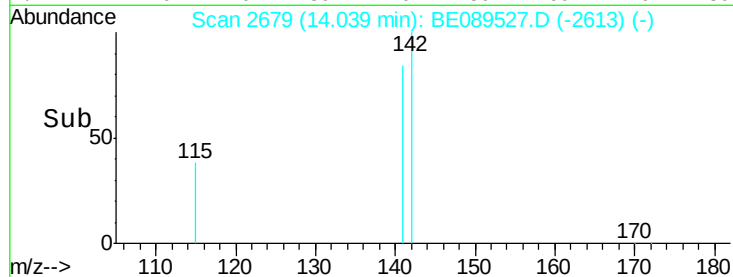
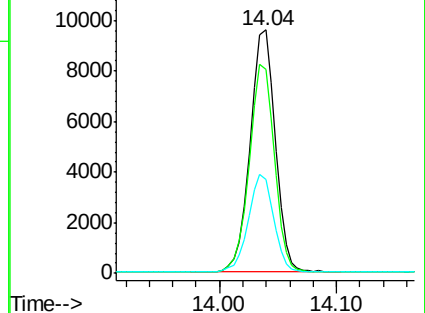
115 38.5 30.6 45.8



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: BE089527.D

Acq: 6 Feb 2015 14:31

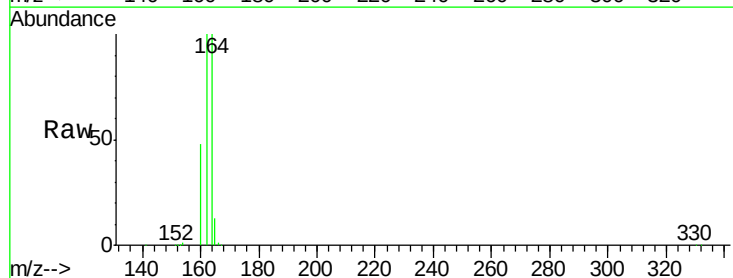
Tgt Ion:164 Resp: 59245

Ion Ratio Lower Upper

164 100

162 99.5 79.5 119.3

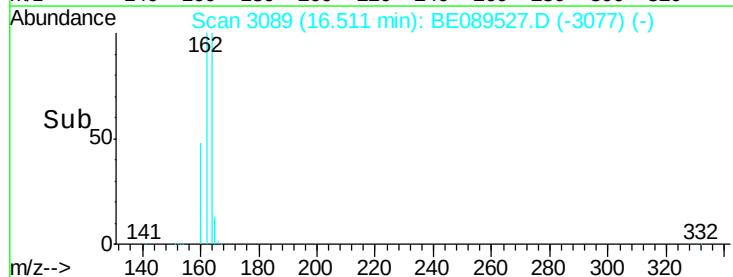
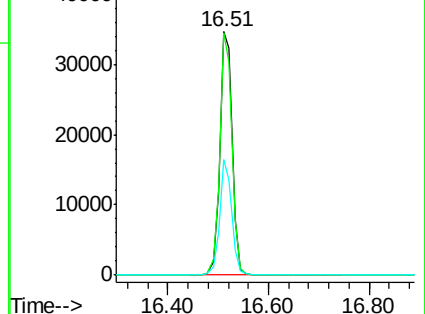
160 47.6 37.6 56.4

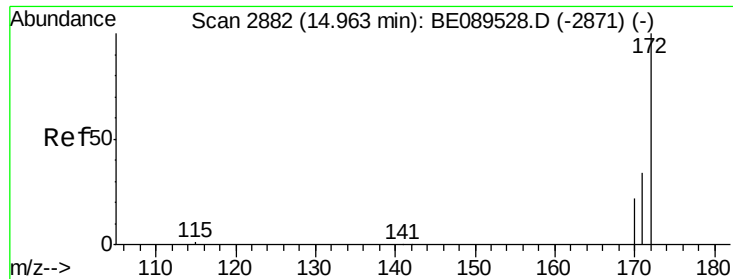


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 0.64 ng

RT: 14.97 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

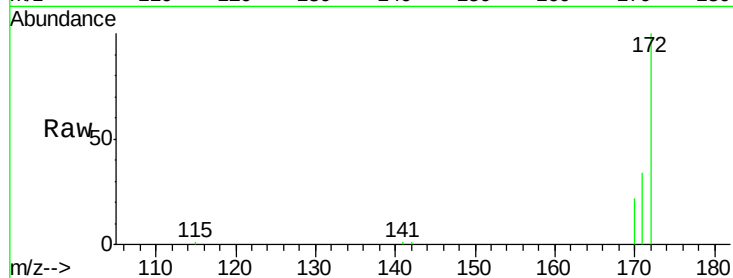
Tgt Ion:172 Resp: 11983

Ion Ratio Lower Upper

172 100

171 34.1 27.7 41.5

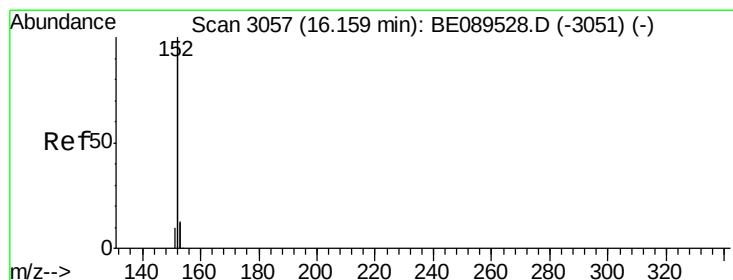
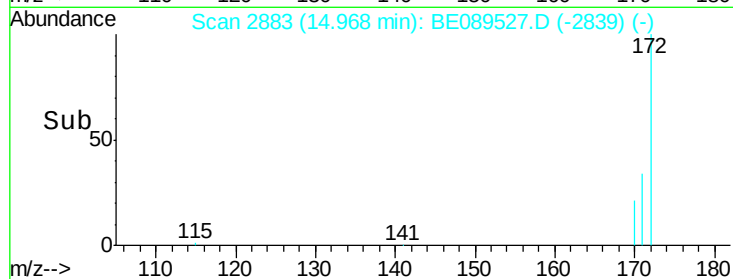
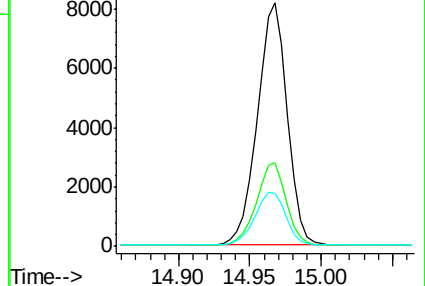
170 21.6 18.3 27.5



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: 0.61 ng

RT: 16.16 min Scan# 3057

Delta R.T. 0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

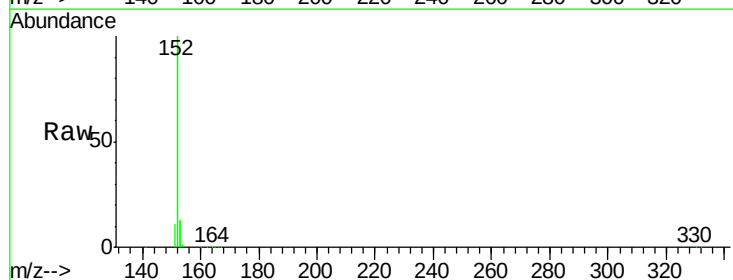
Tgt Ion:152 Resp: 75989

Ion Ratio Lower Upper

152 100

151 5.1 4.0 6.0

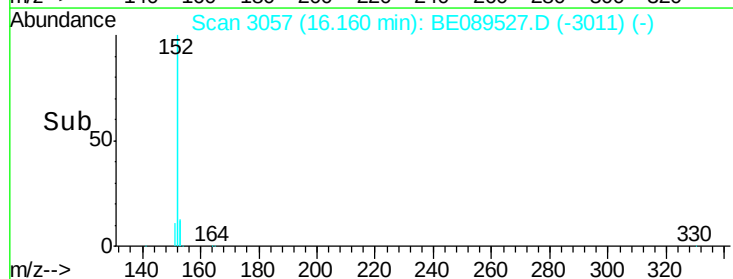
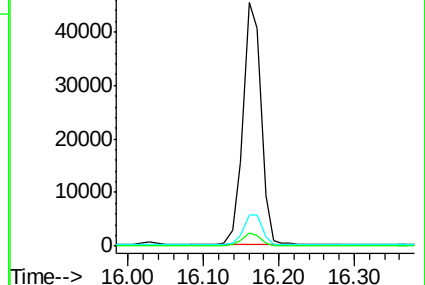
153 13.2 10.6 15.8

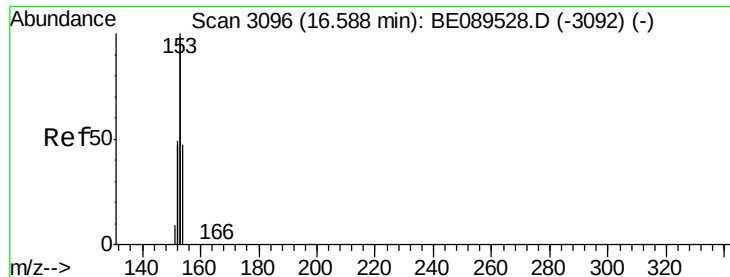


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.63 ng

RT: 16.59 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

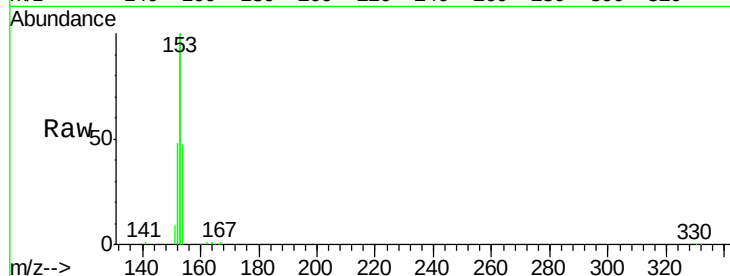
Tgt Ion:154 Resp: 12104

Ion Ratio Lower Upper

154 100

153 427.2 340.8 511.2

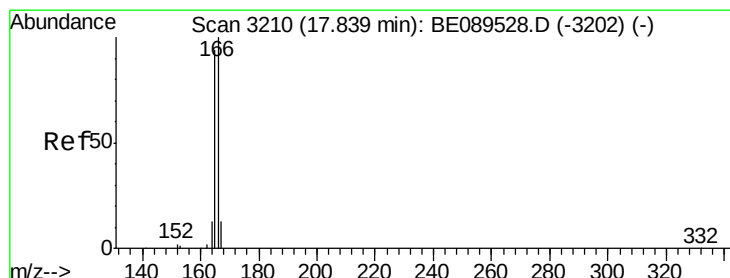
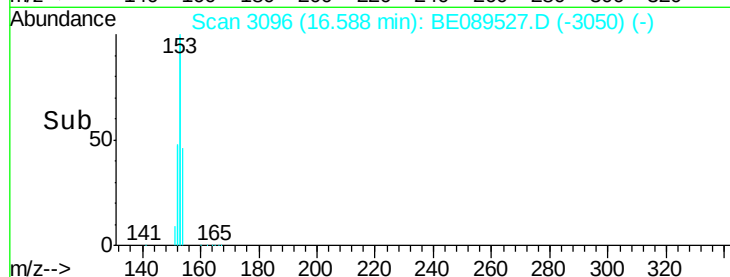
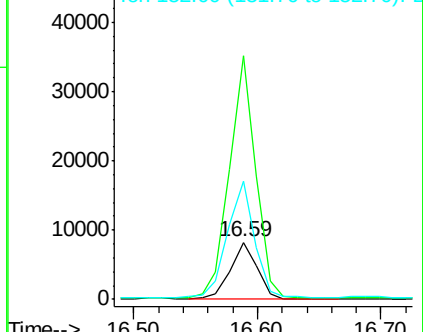
152 209.5 165.5 248.3



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



#10

Fluorene

Concen: 0.60 ng

RT: 17.84 min Scan# 3210

Delta R.T. 0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

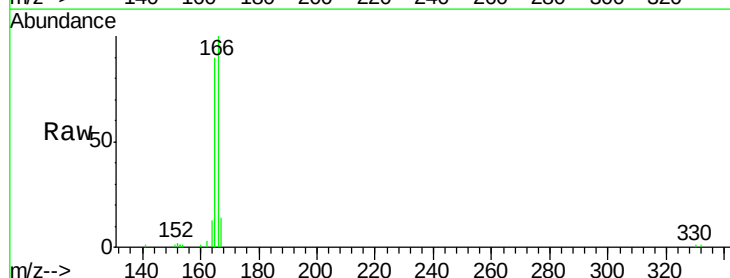
Tgt Ion:166 Resp: 12929

Ion Ratio Lower Upper

166 100

165 92.9 75.5 113.3

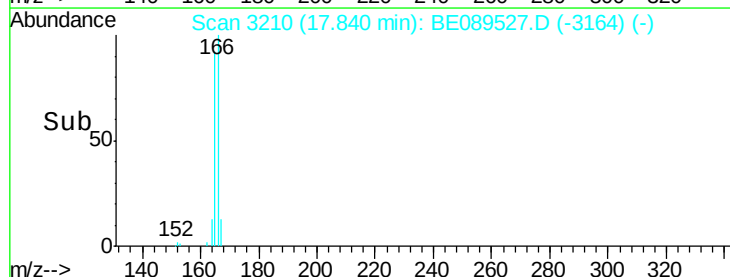
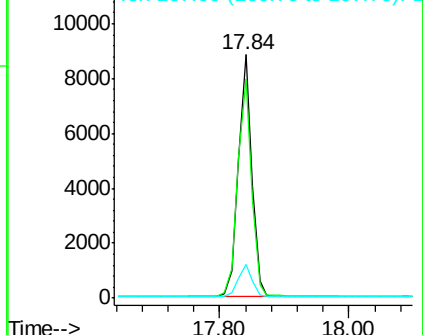
167 13.5 10.9 16.3

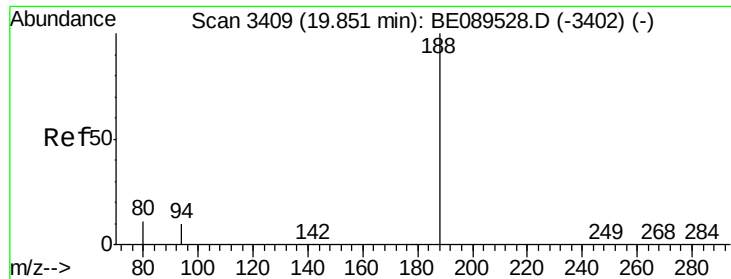


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

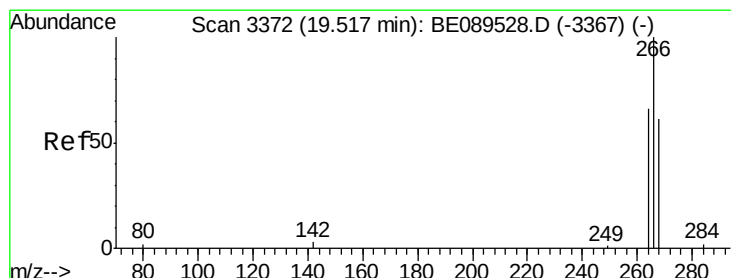
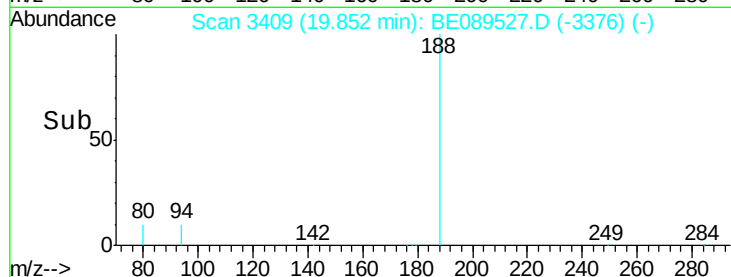
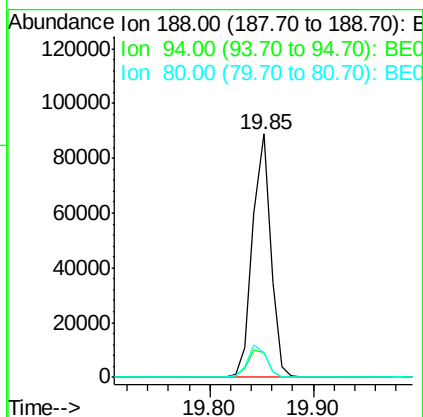
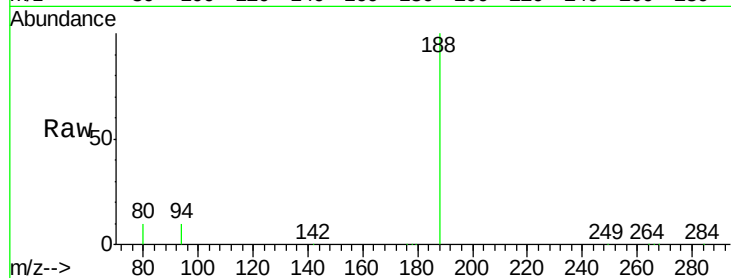




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.85 min Scan# 3409
Delta R.T. 0.00 min
Lab File: BE089527.D
Acq: 6 Feb 2015 14:31

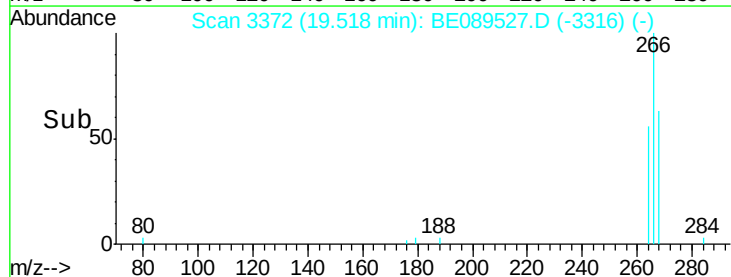
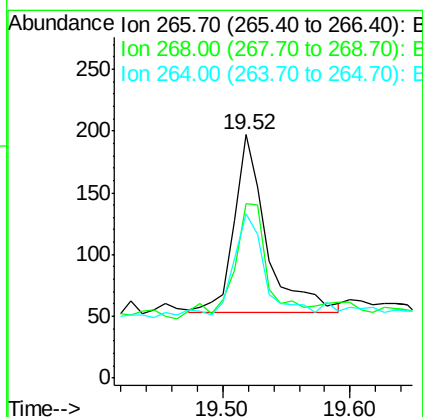
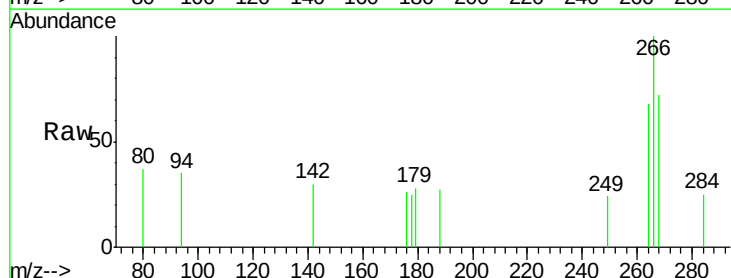
Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

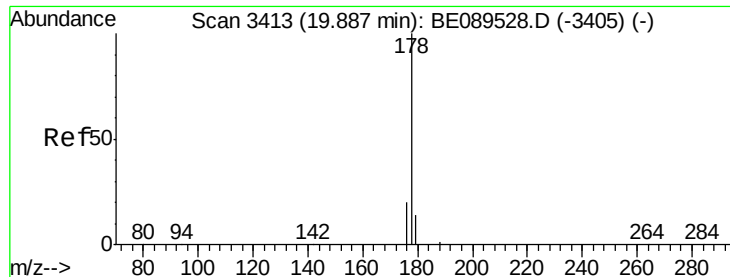
Tgt Ion:188 Resp: 108442
Ion Ratio Lower Upper
188 100
94 9.9 8.4 12.6
80 10.1 8.6 12.8



#12
Pentachlorophenol
Concen: 0.31 ng
RT: 19.52 min Scan# 3372
Delta R.T. 0.00 min
Lab File: BE089527.D
Acq: 6 Feb 2015 14:31

Tgt Ion:266 Resp: 256
Ion Ratio Lower Upper
266 100
268 71.6 57.9 86.9
264 67.5 60.2 90.4

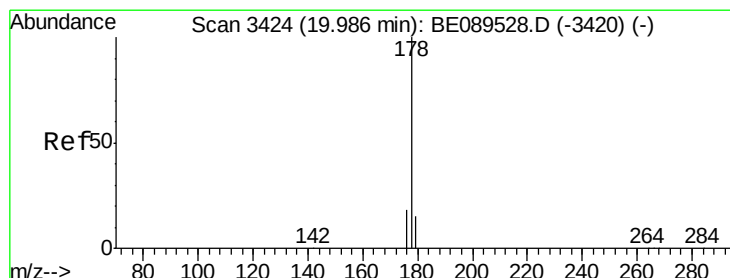
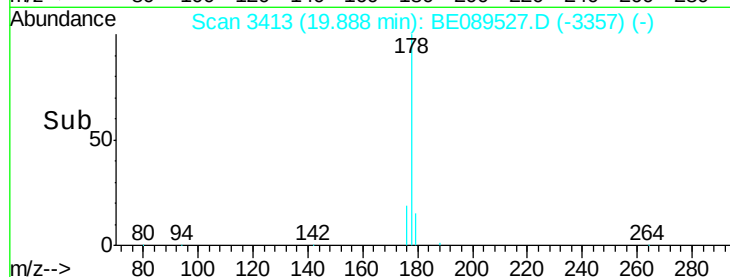
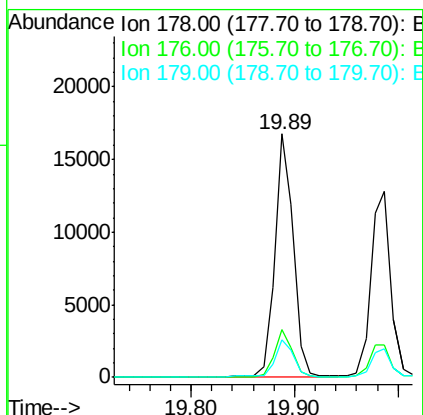
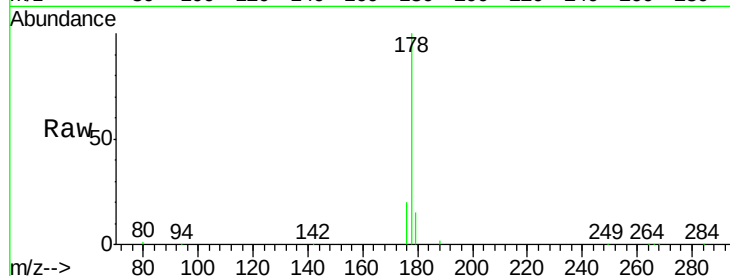




#13
Phenanthrene
Concen: 0.63 ng
RT: 19.89 min Scan# 3413
Delta R.T. 0.00 min
Lab File: BE089527.D
Acq: 6 Feb 2015 14:31

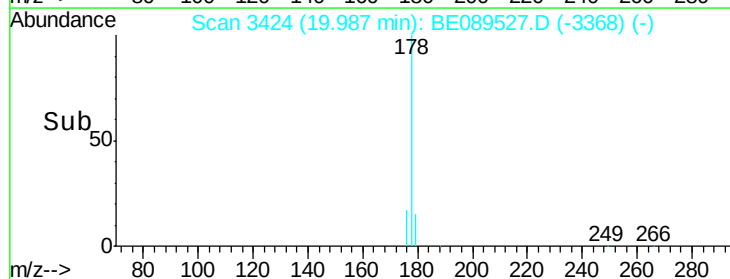
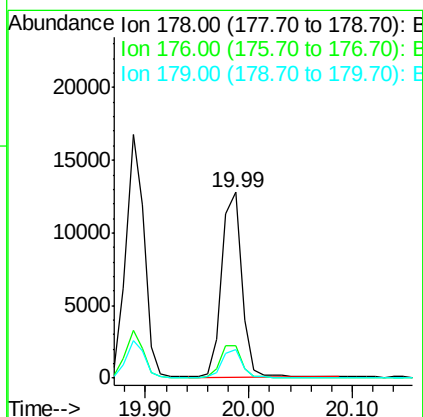
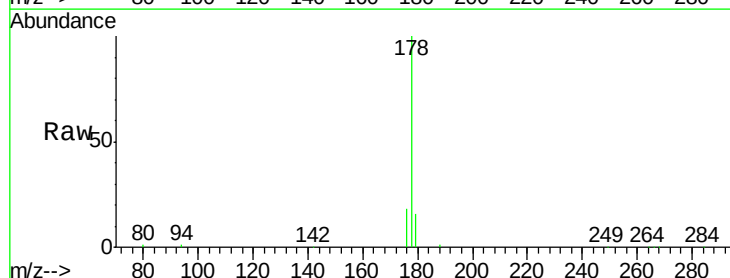
Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

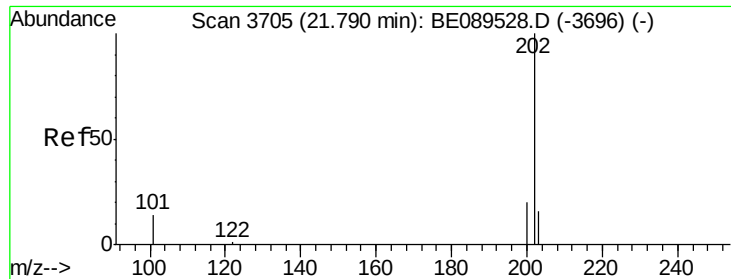
Tgt Ion:178 Resp: 20577
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.7 12.2 18.2



#14
Anthracene
Concen: 0.58 ng
RT: 19.99 min Scan# 3424
Delta R.T. 0.00 min
Lab File: BE089527.D
Acq: 6 Feb 2015 14:31

Tgt Ion:178 Resp: 17156
Ion Ratio Lower Upper
178 100
176 18.1 14.5 21.7
179 14.9 12.2 18.2

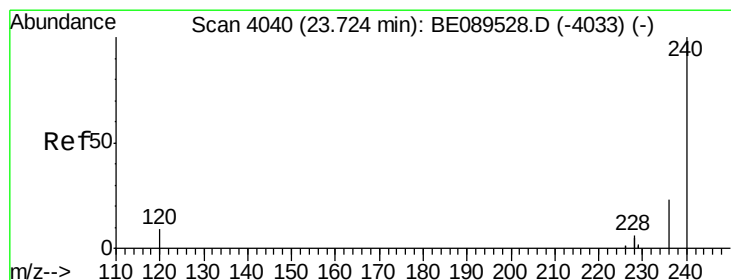
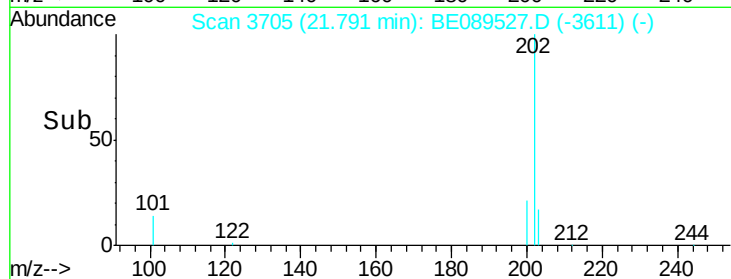
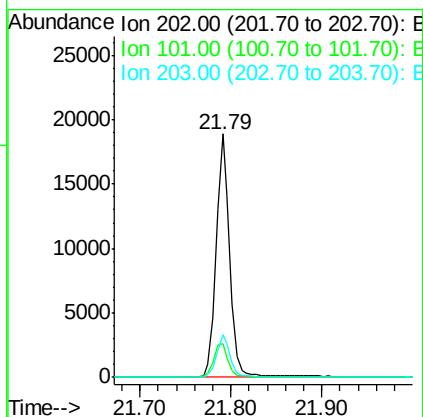
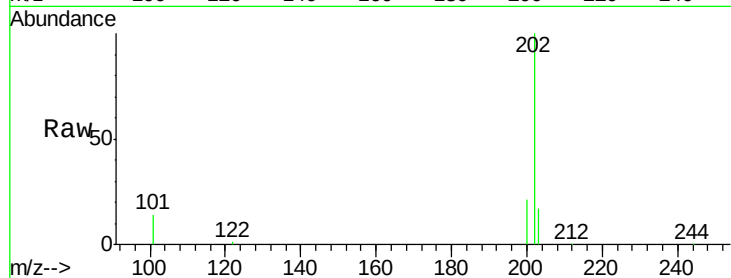




#15
Fluoranthene
Concen: 0.64 ng
RT: 21.79 min Scan# 3705
Delta R.T. 0.00 min
Lab File: BE089527.D
Acq: 6 Feb 2015 14:31

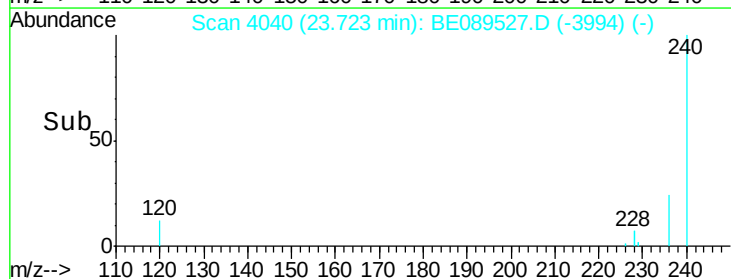
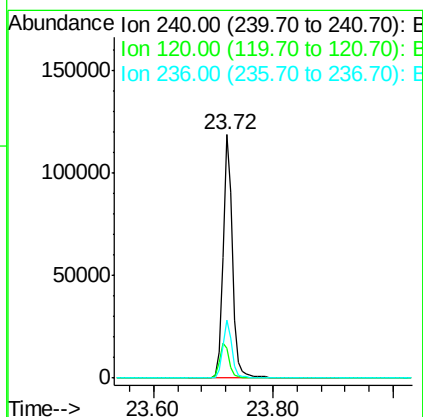
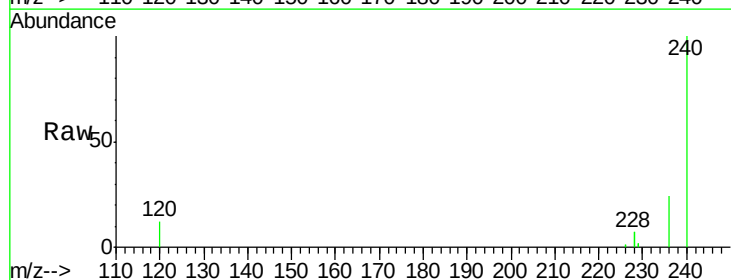
Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

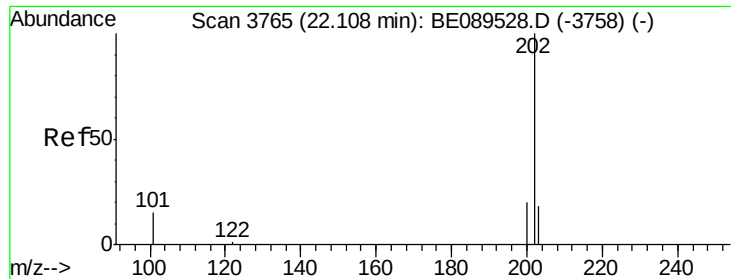
Tgt Ion:202 Resp: 19276
Ion Ratio Lower Upper
202 100
101 14.3 11.6 17.4
203 17.2 13.6 20.4



#16
Chrysene-d12
Concen: 5.00 ng
RT: 23.72 min Scan# 4040
Delta R.T. -0.00 min
Lab File: BE089527.D
Acq: 6 Feb 2015 14:31

Tgt Ion:240 Resp: 126518
Ion Ratio Lower Upper
240 100
120 12.3 7.2 10.8#
236 24.0 18.5 27.7





#17

Pyrene

Concen: 0.53 ng

RT: 22.11 min Scan# 3765

Delta R.T. 0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

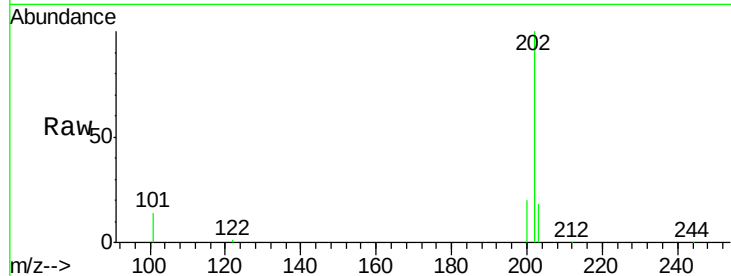
Tgt Ion:202 Resp: 20504

Ion Ratio Lower Upper

202 100

200 20.7 16.3 24.5

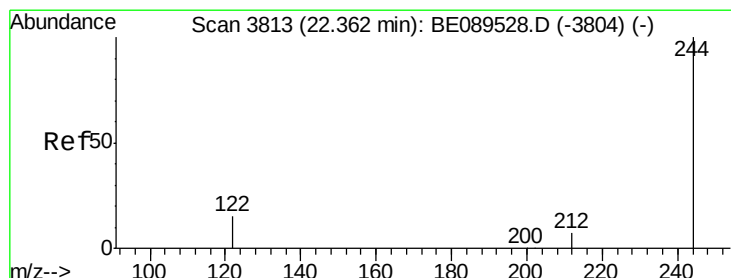
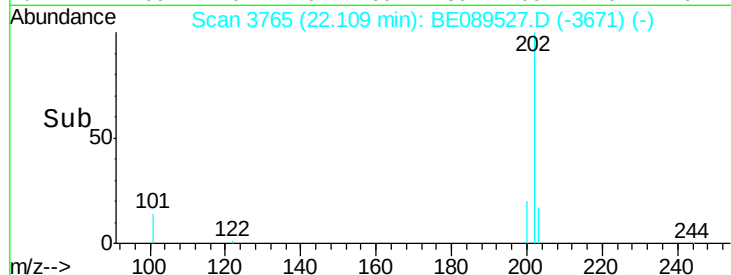
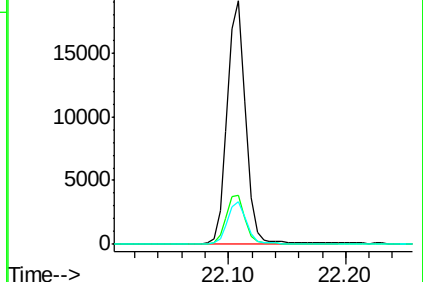
203 17.4 13.5 20.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#18

Terphenyl-d14

Concen: 0.57 ng

RT: 22.36 min Scan# 3813

Delta R.T. 0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

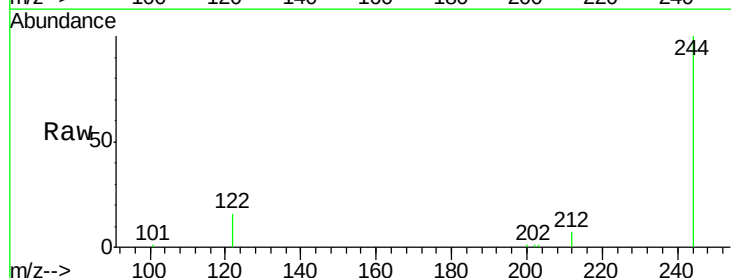
Tgt Ion:244 Resp: 12928

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

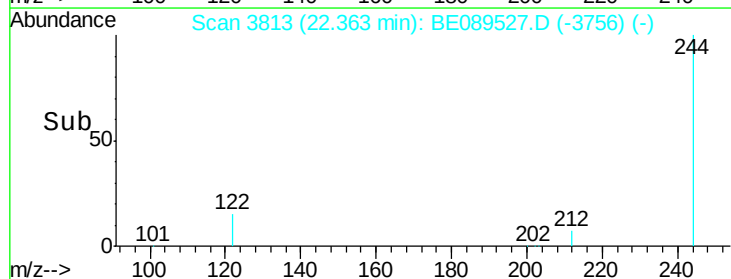
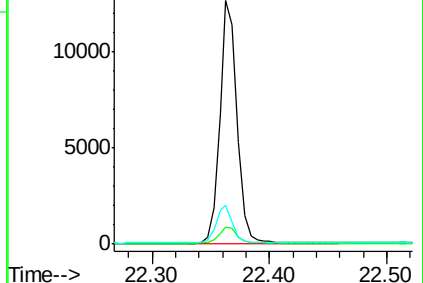
122 15.8 12.6 19.0

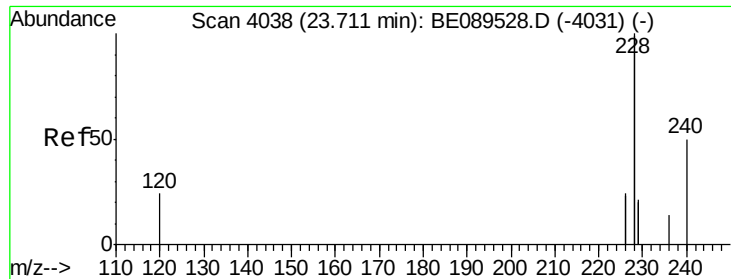


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#19

Benzo(a)anthracene

Concen: 0.62 ng

RT: 23.71 min Scan# 4038

Delta R.T. -0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

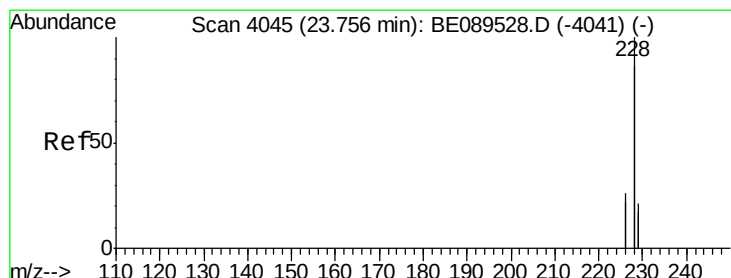
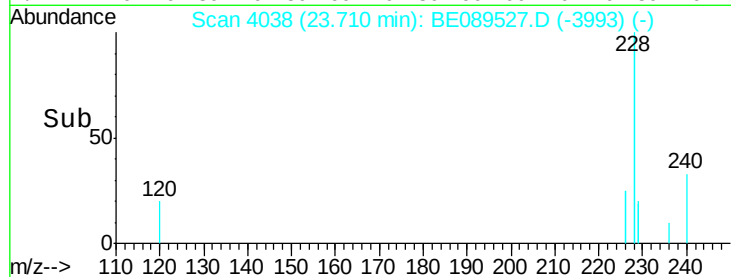
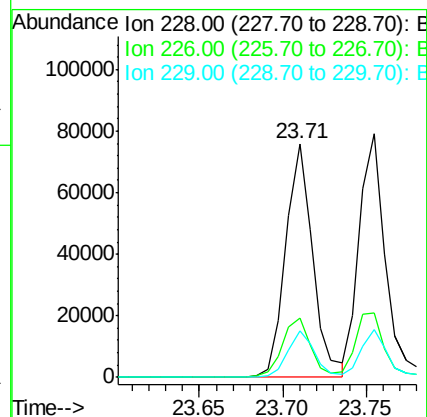
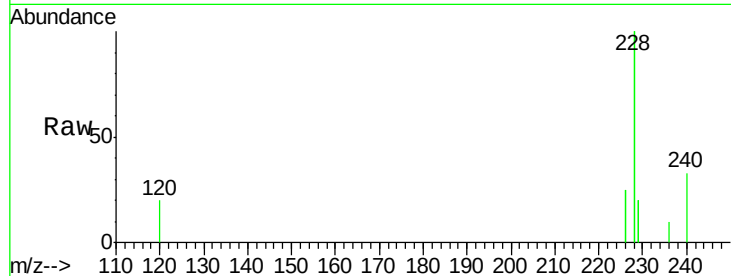
Tgt Ion:228 Resp: 85436

Ion Ratio Lower Upper

228 100

226 25.5 19.0 28.4

229 19.7 16.8 25.2



#20

Chrysene

Concen: 0.62 ng

RT: 23.75 min Scan# 4045

Delta R.T. -0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

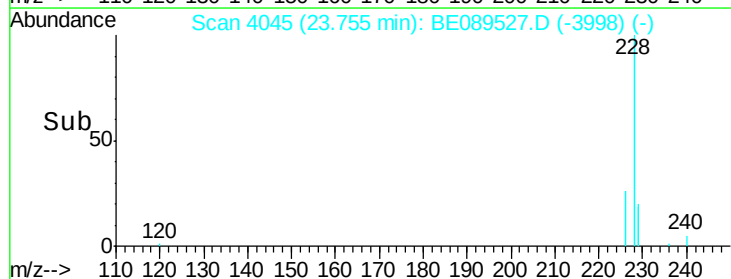
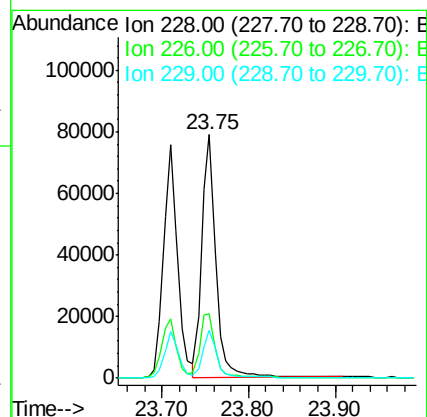
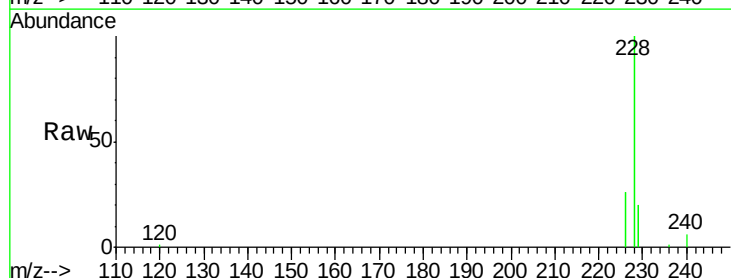
Tgt Ion:228 Resp: 88075

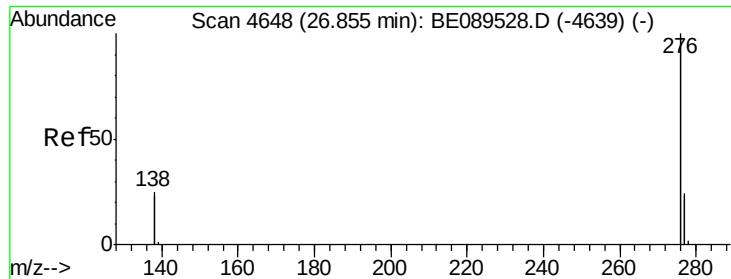
Ion Ratio Lower Upper

228 100

226 26.5 21.0 31.4

229 19.6 16.7 25.1





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.72 ng

RT: 26.85 min Scan# 4648

Delta R.T. -0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

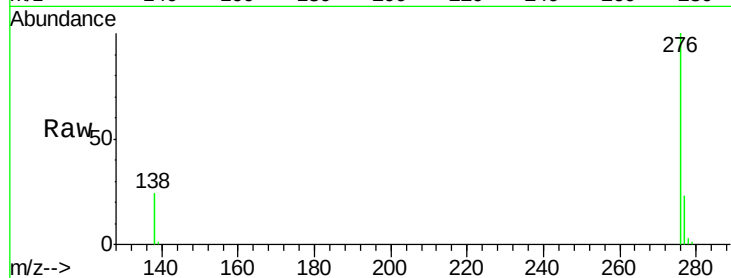
Tgt Ion:276 Resp: 114606

Ion Ratio Lower Upper

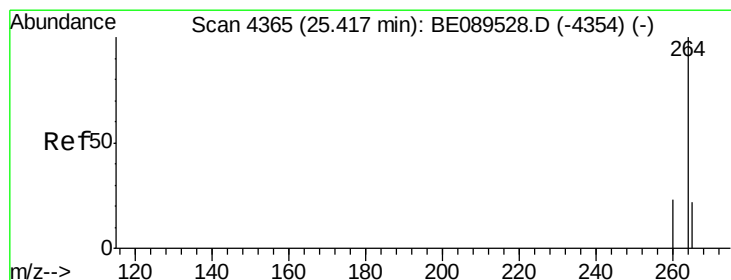
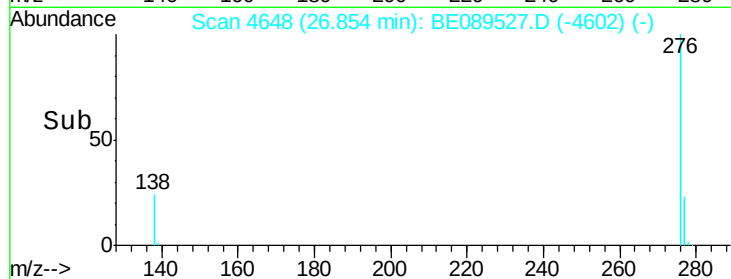
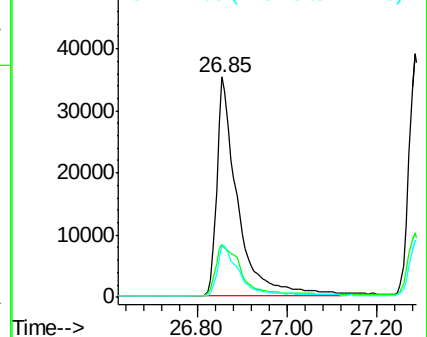
276 100

138 27.9 23.0 34.4

277 24.5 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: 25.42 min Scan# 4366

Delta R.T. 0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

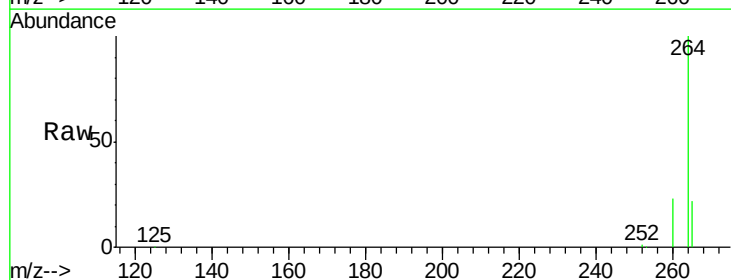
Tgt Ion:264 Resp: 137832

Ion Ratio Lower Upper

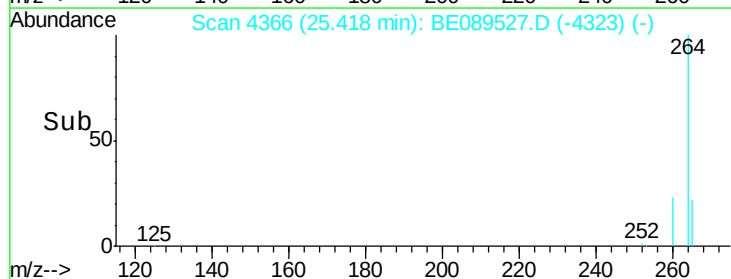
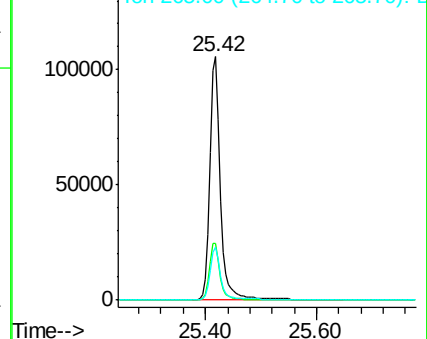
264 100

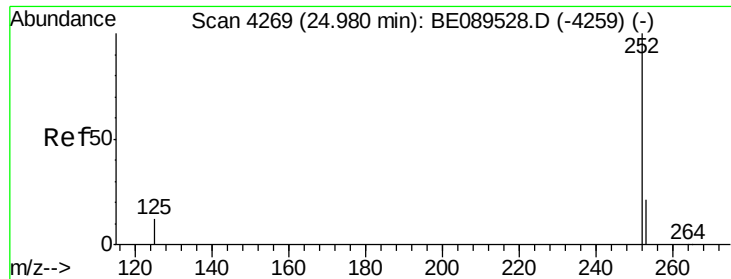
260 23.4 18.7 28.1

265 21.9 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: 0.67 ng

RT: 24.98 min Scan# 4269

Delta R.T. -0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

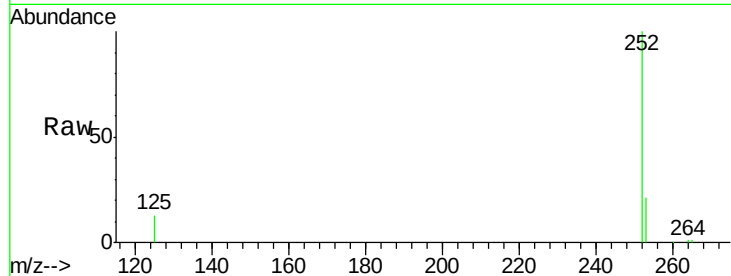
Tgt Ion:252 Resp: 20580

Ion Ratio Lower Upper

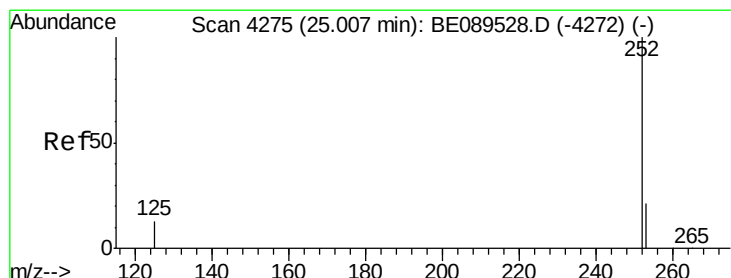
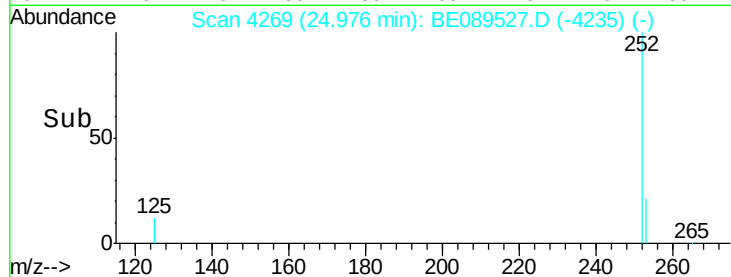
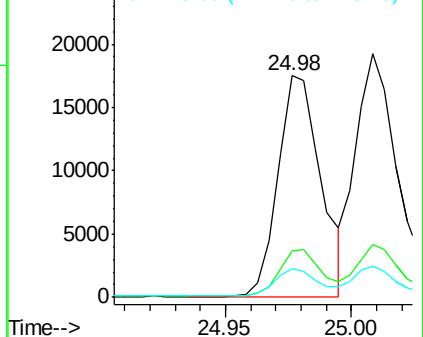
252 100

253 21.2 17.4 26.0

125 12.9 10.4 15.6



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: 0.59 ng

RT: 25.01 min Scan# 4276

Delta R.T. 0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

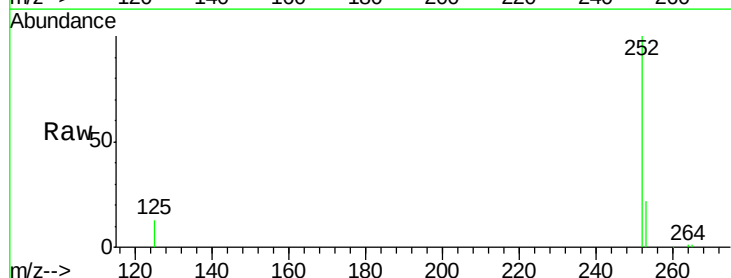
Tgt Ion:252 Resp: 25843

Ion Ratio Lower Upper

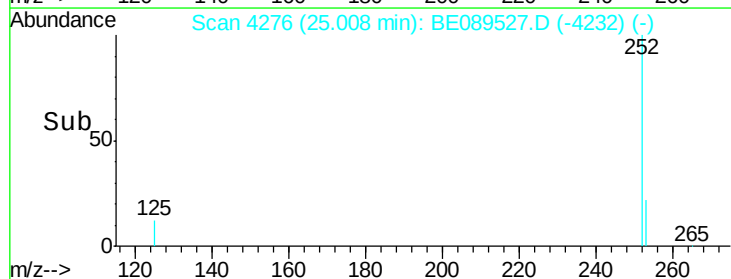
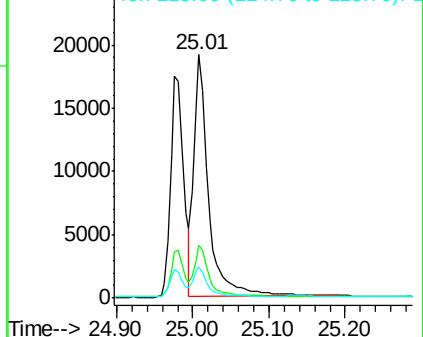
252 100

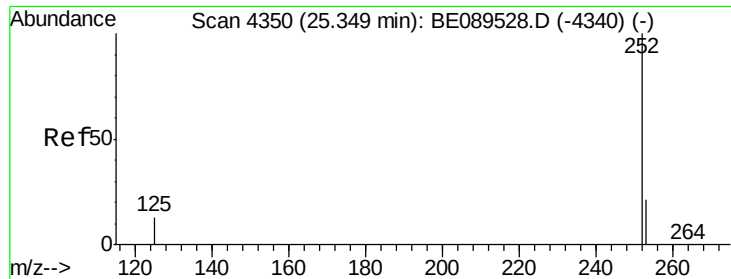
253 22.0 17.2 25.8

125 12.6 10.6 15.8



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: 0.62 ng

RT: 25.35 min Scan# 4350

Delta R.T. -0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

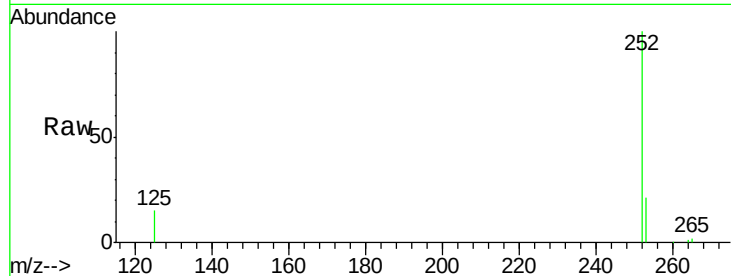
Tgt Ion: 252 Resp: 19867

Ion Ratio Lower Upper

252 100

253 21.1 17.8 26.6

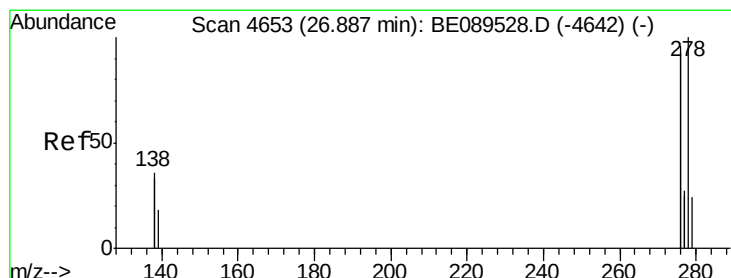
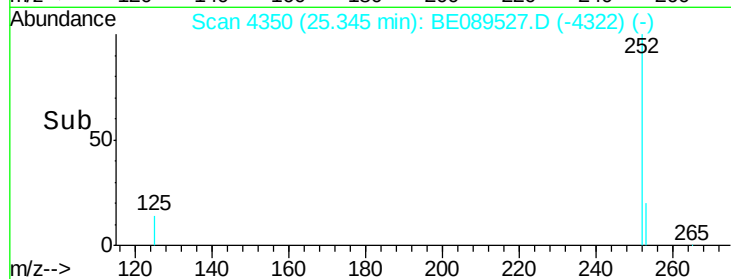
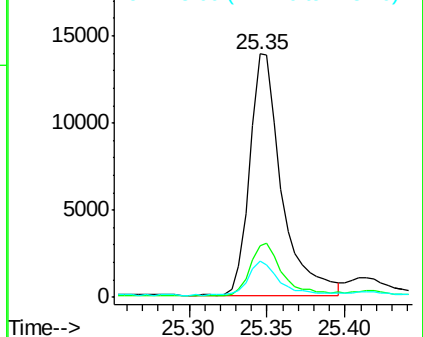
125 14.9 11.4 17.2



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: 0.68 ng

RT: 26.89 min Scan# 4653

Delta R.T. -0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

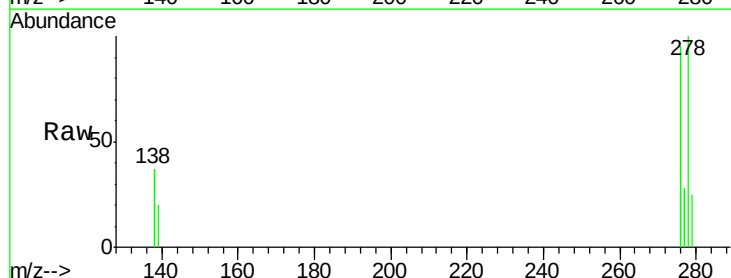
Tgt Ion: 278 Resp: 24291

Ion Ratio Lower Upper

278 100

139 19.5 15.7 23.5

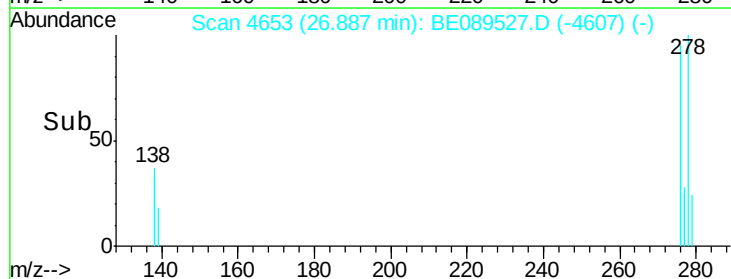
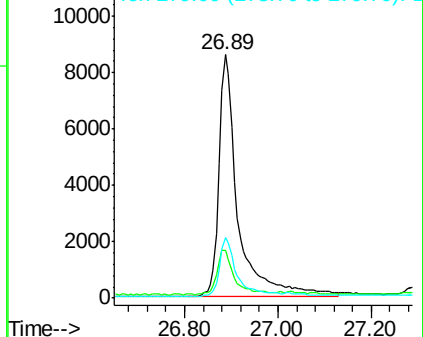
279 25.0 19.5 29.3

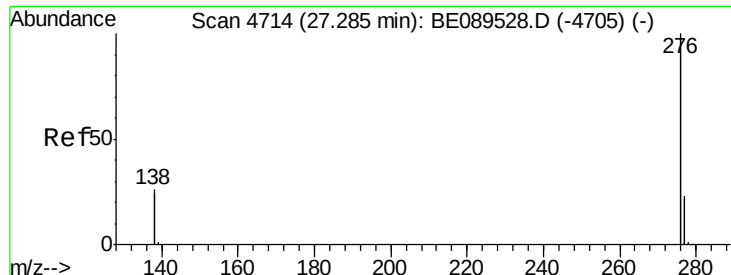


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

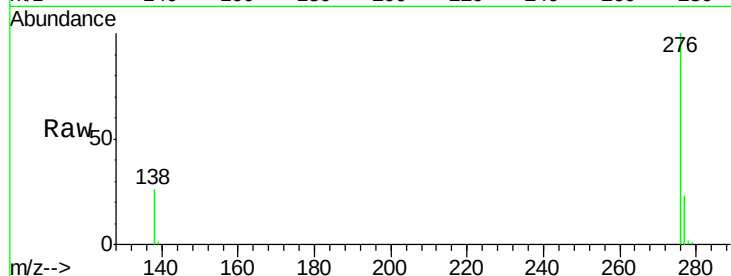




#27
 Benzo(g,h,i)perylene
 Concen: 0.66 ng
 RT: 27.28 min Scan# 4714
 Delta R.T. -0.00 min
 Lab File: BE089527.D
 Acq: 6 Feb 2015 14:31

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.6	27.8
138	26.3	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

