

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020515\
 Data File : BE089505.D
 Acq On : 5 Feb 2015 14:45
 Operator : TP/IZ
 Sample : SSTDICC0.5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.5

Quant Time: Feb 06 03:14:27 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	27470	5.00	ng	0.00
2) Naphthalene-d8	12.40	136	119764	5.00	ng	0.00
6) Acenaphthene-d10	16.59	164	55756	5.00	ng	0.00
11) Phenanthrene-d10	19.91	188	108190	5.00	ng	0.00
16) Chrysene-d12	23.76	240	117419	5.00	ng	0.00
22) Perylene-d12	25.46	264	115596	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) Nitrobenzene-d5	10.76	82	4241	0.46	ng	0.00
7) 2-Fluorobiphenyl	15.03	172	8376	0.48	ng	0.00
18) Terphenyl-d14	22.40	244	9507	0.47	ng	0.00

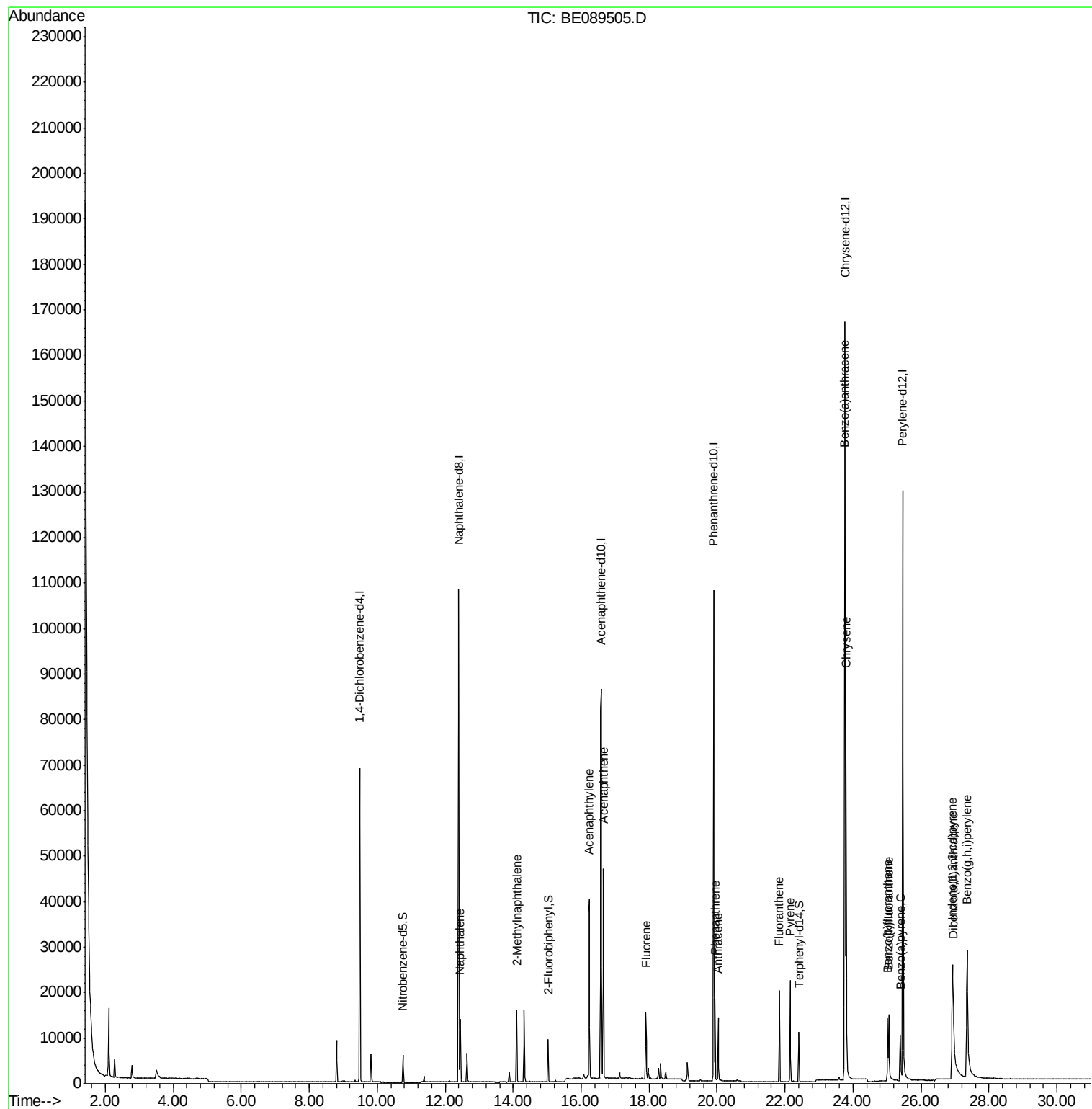
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Naphthalene	12.44	128	14976	0.50	ng	99
5) 2-Methylnaphthalene	14.10	142	9503	0.48	ng	95
8) Acenaphthylene	16.24	152	55169	0.46	ng	100
9) Acenaphthene	16.65	154	8611	0.47	ng	99
10) Fluorene	17.91	166	9570	0.47	ng	98
13) Phenanthrene	19.94	178	15517	0.47	ng	99
14) Anthracene	20.03	178	13589	0.46	ng	99
15) Fluoranthene	21.83	202	14511	0.46	ng	100
17) Pyrene	22.15	202	15479	0.46	ng	100
19) Benzo(a)anthracene	23.75	228	59163	0.46	ng	100
20) Chrysene	23.79	228	62712	0.47	ng	100
21) Indeno(1,2,3-cd)pyrene	26.92	276	63831	0.46	ng	97
23) Benzo(b)fluoranthene	25.02	252	11598	0.43	ng	97
24) Benzo(k)fluoranthene	25.05	252	17436	0.47	ng	97
25) Benzo(a)pyrene	25.39	252	11913	0.44	ng	99
26) Dibenzo(a,h)anthracene	26.95	278	13182	0.45	ng	97
27) Benzo(g,h,i)perylene	27.36	276	54772	0.46	ng	99

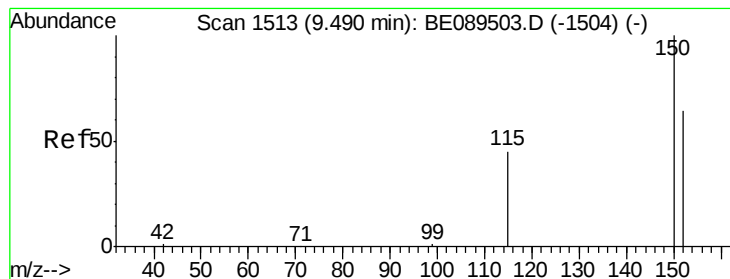
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.49 min Scan# 1513

Delta R.T. -0.00 min

Lab File: BE089505.D

Acq: 5 Feb 2015 14:45

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

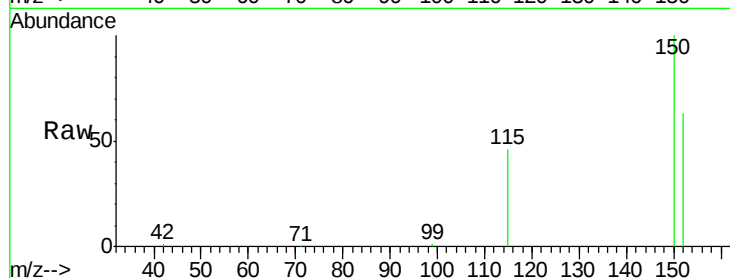
Tot Ion:152 Resp: 27470

Ion Ratio Lower Upper

152 100

150 159.7 125.0 187.6

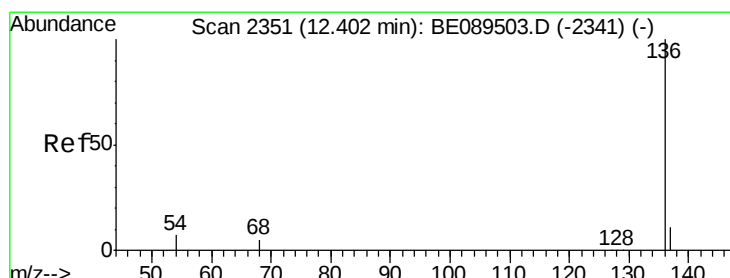
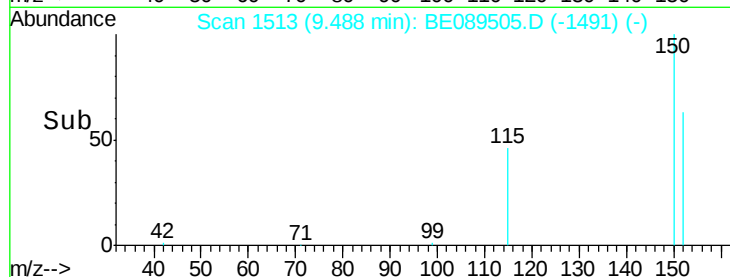
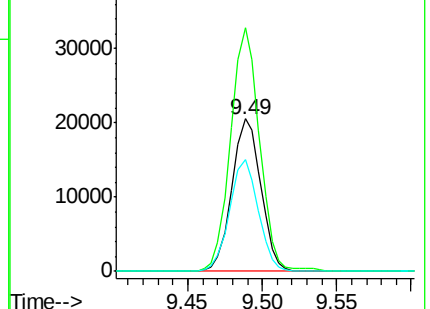
115 73.5 56.6 85.0



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: BE089505.D

Acq: 5 Feb 2015 14:45

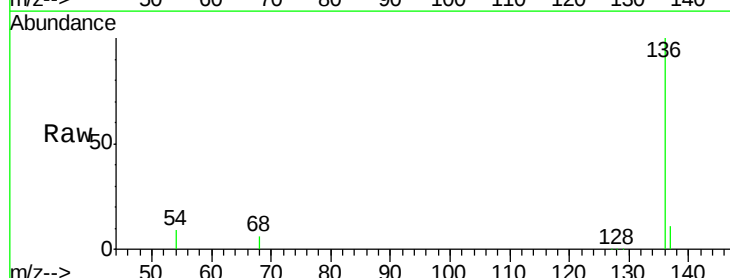
Tgt Ion:136 Resp: 119764

Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

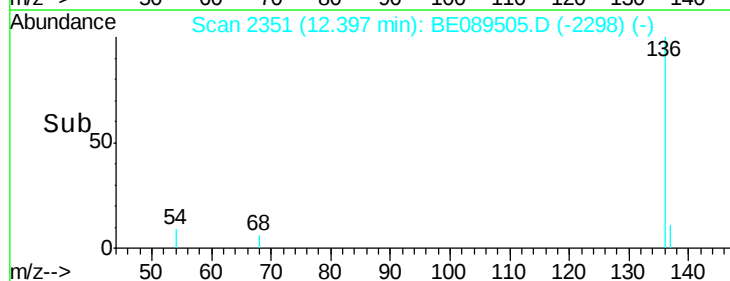
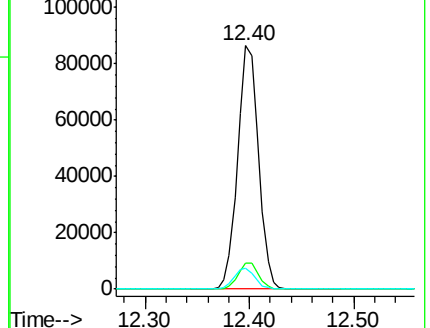
54 8.6 6.0 9.0

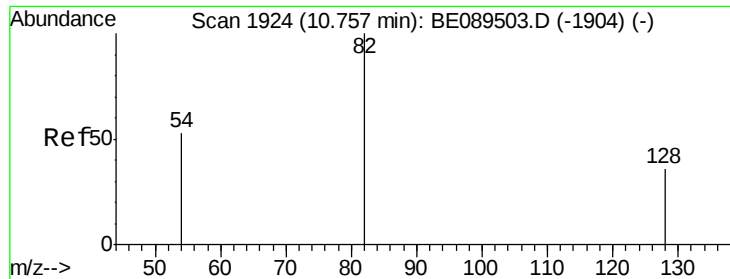


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 0.46 ng

RT: 10.76 min Scan# 1924

Delta R.T. -0.00 min

Lab File: BE089505.D

Acq: 5 Feb 2015 14:45

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

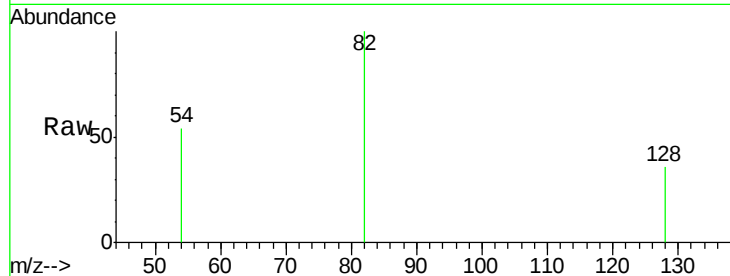
Tot Ion: 82 Resp: 4241

Ion Ratio Lower Upper

82 100

128 35.5 29.3 43.9

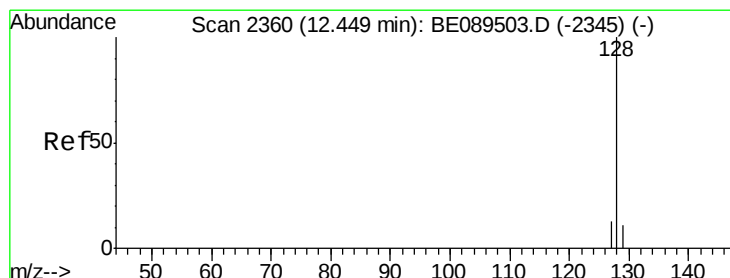
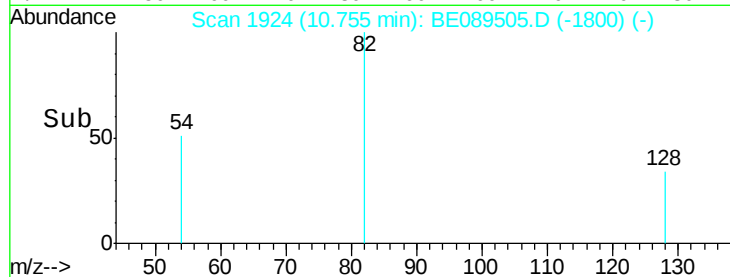
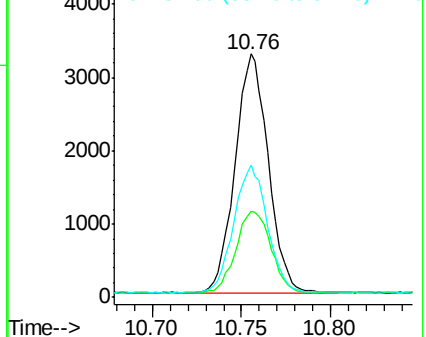
54 54.3 42.6 64.0



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#4

Naphthalene

Concen: 0.50 ng

RT: 12.44 min Scan# 2360

Delta R.T. -0.00 min

Lab File: BE089505.D

Acq: 5 Feb 2015 14:45

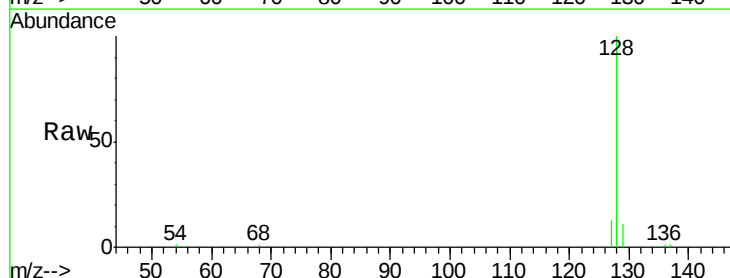
Tgt Ion: 128 Resp: 14976

Ion Ratio Lower Upper

128 100

129 11.5 8.8 13.2

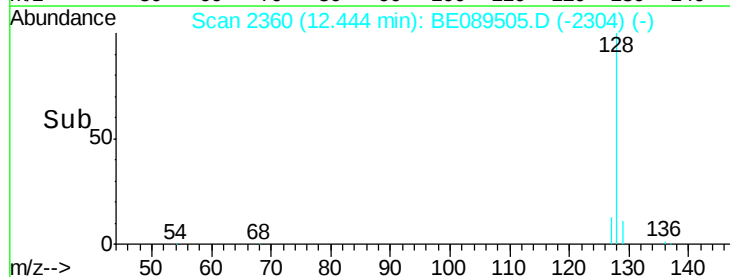
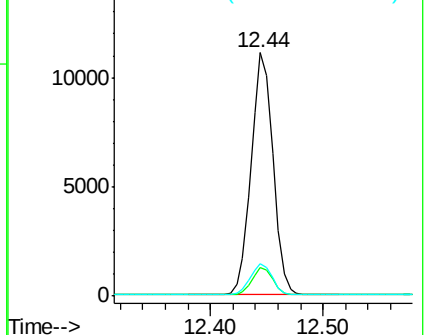
127 13.4 10.3 15.5



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: 0.48 ng

RT: 14.10 min Scan# 2694

Delta R.T. -0.00 min

Lab File: BE089505.D

Acq: 5 Feb 2015 14:45

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

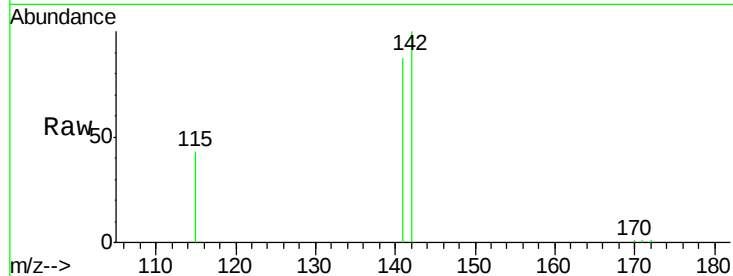
Tot Ion:142 Resp: 9503

Ion Ratio Lower Upper

142 100

141 87.0 66.3 99.5

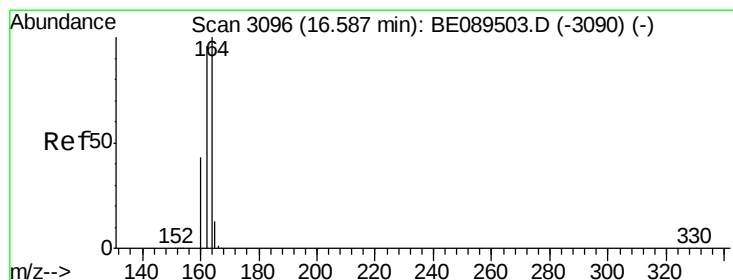
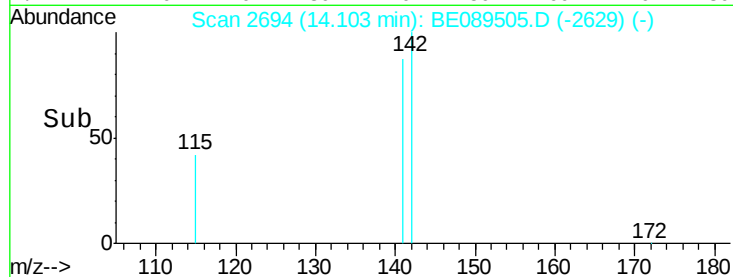
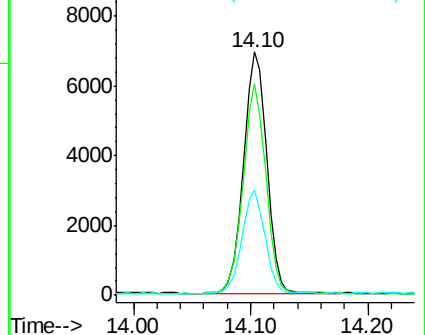
115 43.2 31.1 46.7



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# 3097

Delta R.T. 0.00 min

Lab File: BE089505.D

Acq: 5 Feb 2015 14:45

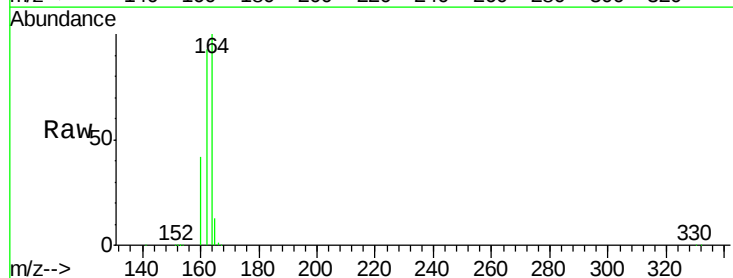
Tgt Ion:164 Resp: 55756

Ion Ratio Lower Upper

164 100

162 92.9 76.6 115.0

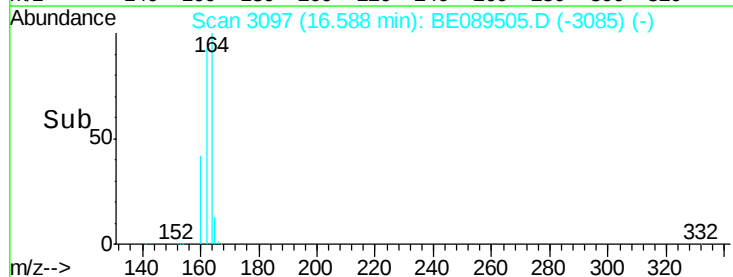
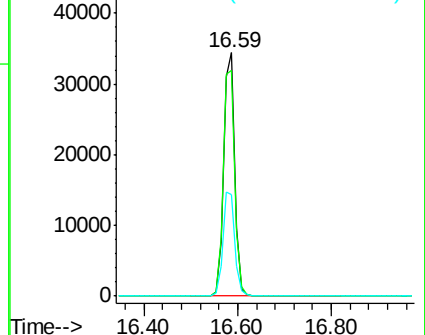
160 41.7 34.6 52.0



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: 0.48 ng

RT: 15.03 min Scan# 2898

Delta R.T. 0.00 min

Lab File: BE089505.D

Acq: 5 Feb 2015 14:45

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

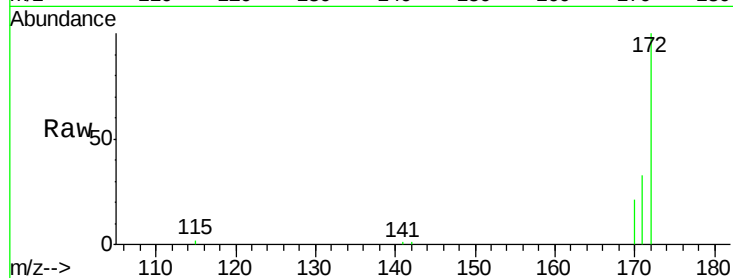
Tot Ion:172 Resp: 8376

Ion Ratio Lower Upper

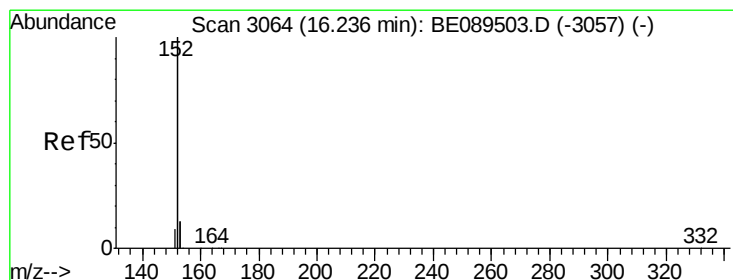
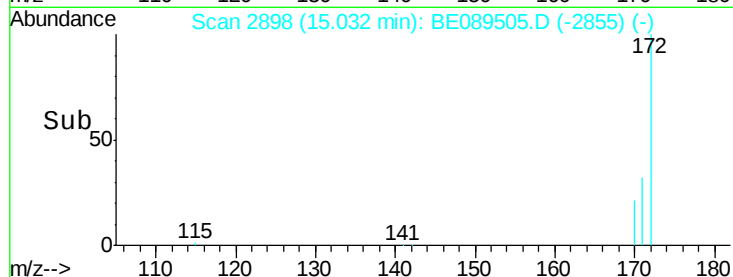
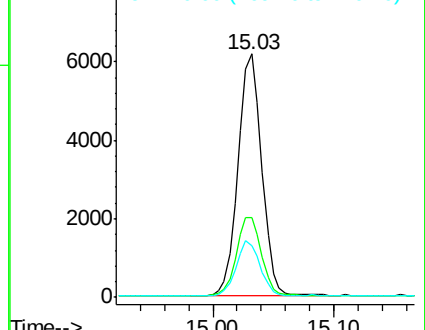
172 100

171 32.9 27.4 41.0

170 21.4 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: 0.46 ng

RT: 16.24 min Scan# 3065

Delta R.T. 0.00 min

Lab File: BE089505.D

Acq: 5 Feb 2015 14:45

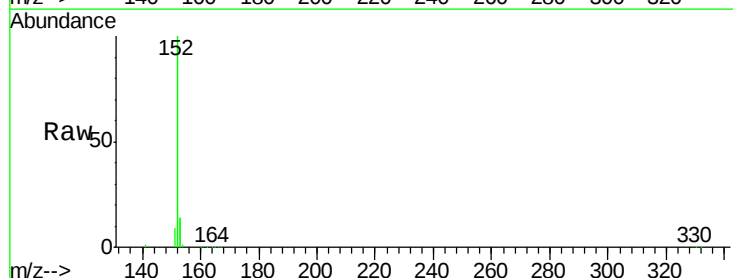
Tgt Ion:152 Resp: 55169

Ion Ratio Lower Upper

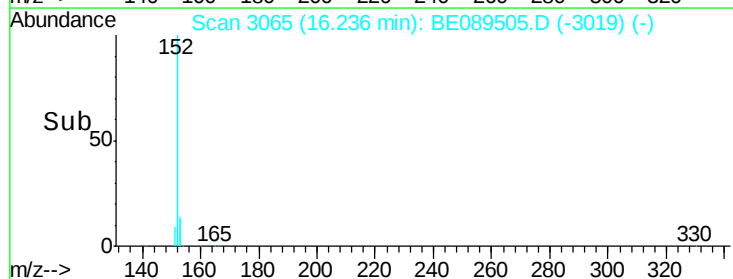
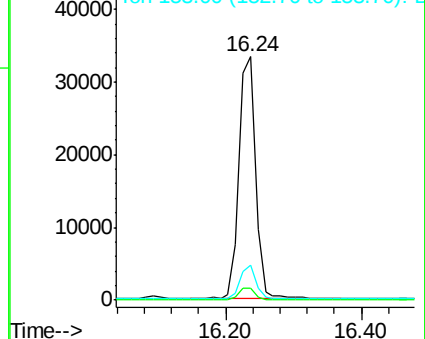
152 100

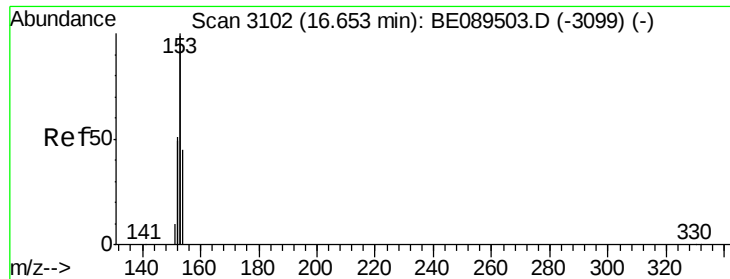
151 4.9 3.9 5.9

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: 0.47 ng

RT: 16.65 min Scan# 3103

Delta R.T. 0.00 min

Lab File: BE089505.D

Acq: 5 Feb 2015 14:45

Instrument :

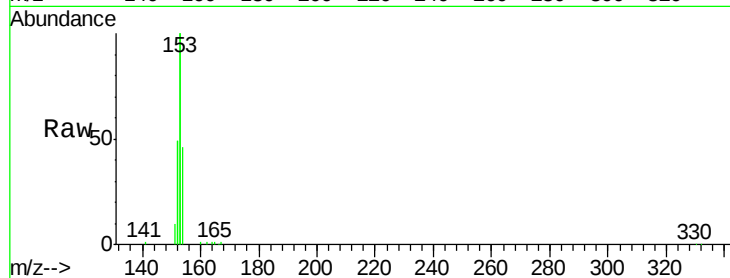
BNA_E

LabSampleId :

SSTDICC0.5

Tot Ion:154 Resp: 8611

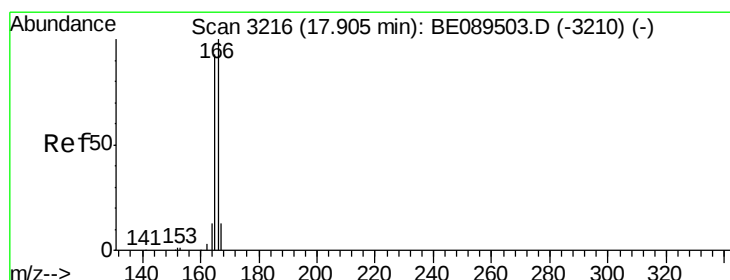
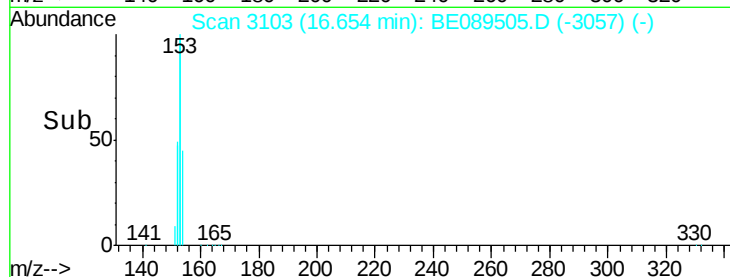
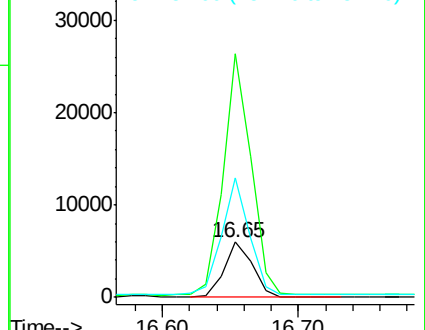
Ion	Ratio	Lower	Upper
154	100		
153	429.2	341.5	512.3
152	210.4	166.6	249.8



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: 0.47 ng

RT: 17.91 min Scan# 3217

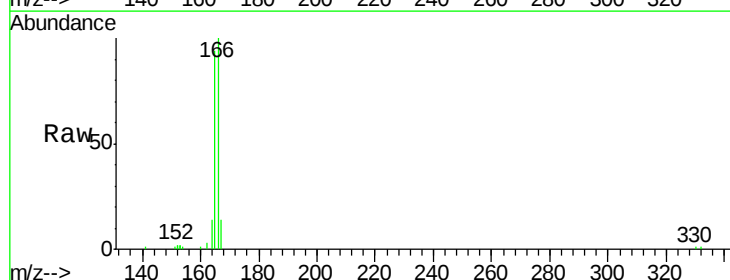
Delta R.T. 0.00 min

Lab File: BE089505.D

Acq: 5 Feb 2015 14:45

Tgt Ion:166 Resp: 9570

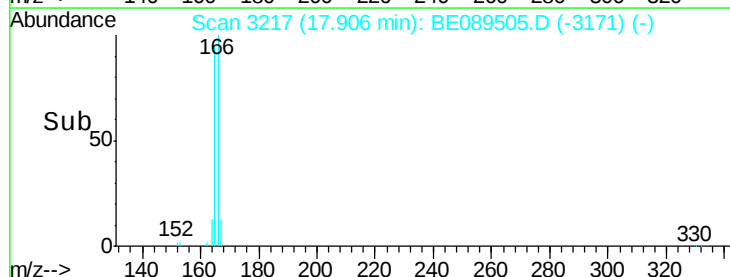
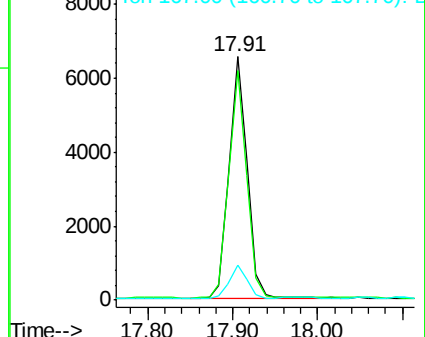
Ion	Ratio	Lower	Upper
166	100		
165	94.2	73.6	110.4
167	13.2	10.6	15.8

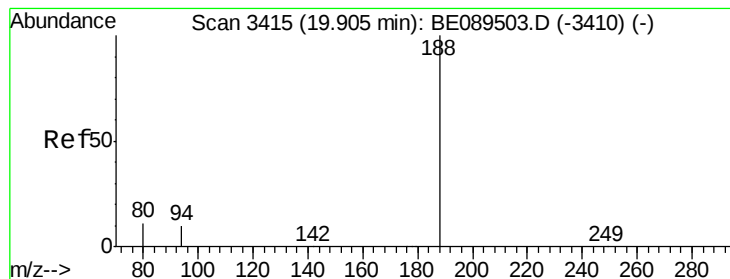


Abundance Ion 166.00 (165.70 to 166.70): E

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: 19.91 min Scan# 3416

Delta R.T. 0.00 min

Lab File: BE089505.D

Acq: 5 Feb 2015 14:45

Instrument :

BNA_E

LabSampleId :

SSTDICC0.5

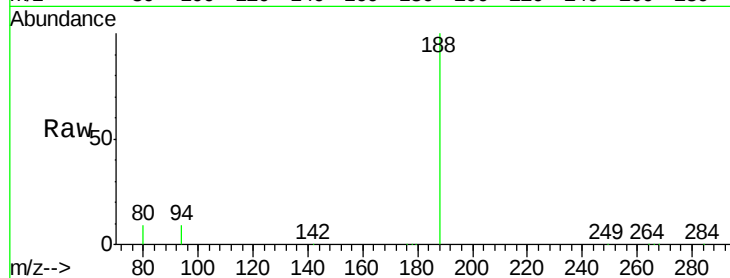
Tot Ion:188 Resp: 108190

Ion Ratio Lower Upper

188 100

94 8.7 8.2 12.4

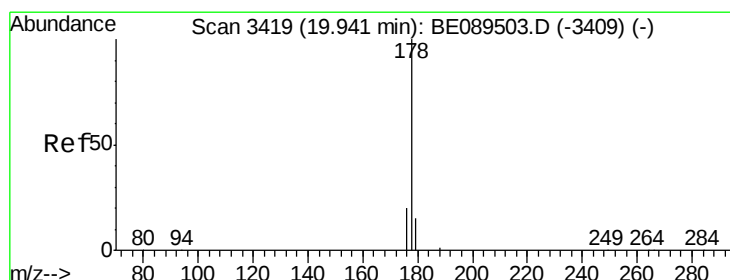
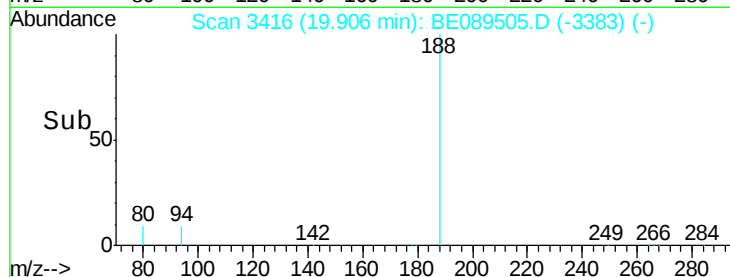
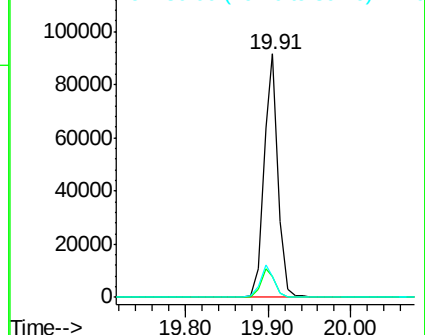
80 8.8 8.7 13.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#13

Phenanthrene

Concen: 0.47 ng

RT: 19.94 min Scan# 3420

Delta R.T. 0.00 min

Lab File: BE089505.D

Acq: 5 Feb 2015 14:45

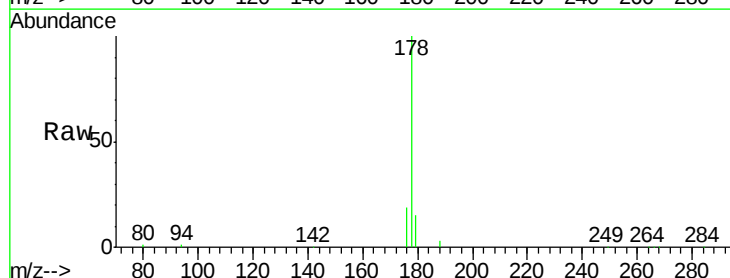
Tgt Ion:178 Resp: 15517

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

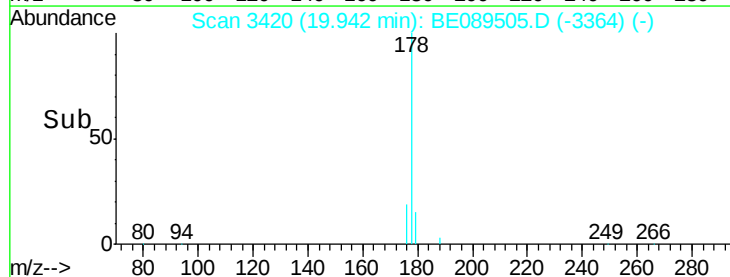
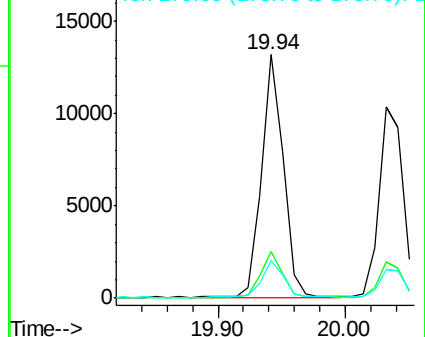
179 15.3 12.4 18.6

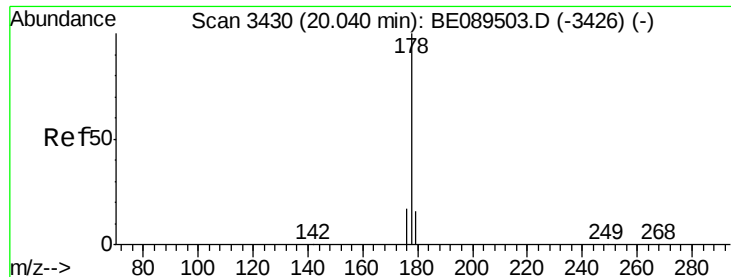


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#14

Anthracene

Concen: 0.46 ng

RT: 20.03 min Scan# 3430

Delta R.T. -0.01 min

Lab File: BE089505.D

Acq: 5 Feb 2015 14:45

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

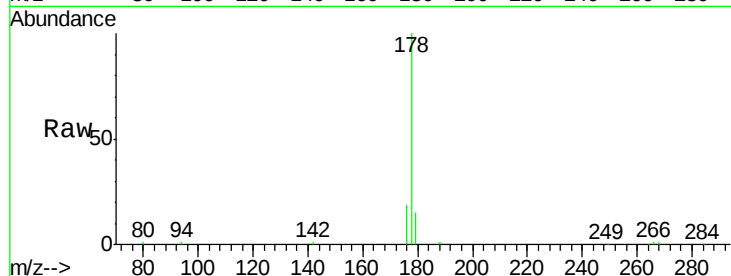
Tot Ion:178 Resp: 13589

Ion Ratio Lower Upper

178 100

176 17.9 14.6 22.0

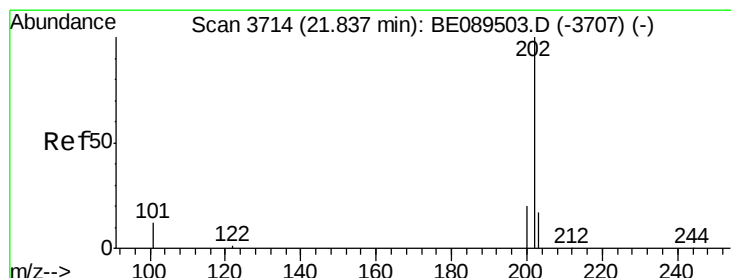
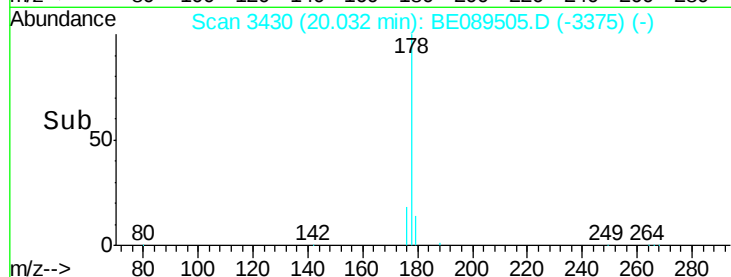
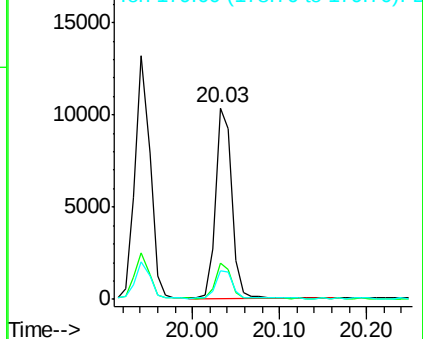
179 14.9 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#15

Fluoranthene

Concen: 0.46 ng

RT: 21.83 min Scan# 3714

Delta R.T. -0.00 min

Lab File: BE089505.D

Acq: 5 Feb 2015 14:45

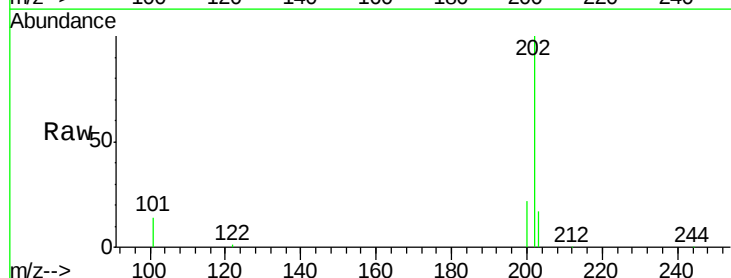
Tgt Ion:202 Resp: 14511

Ion Ratio Lower Upper

202 100

101 13.9 11.3 16.9

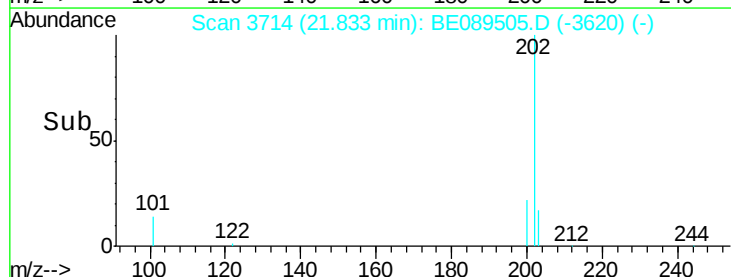
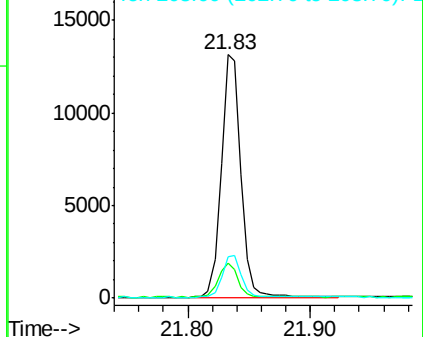
203 17.0 13.8 20.6

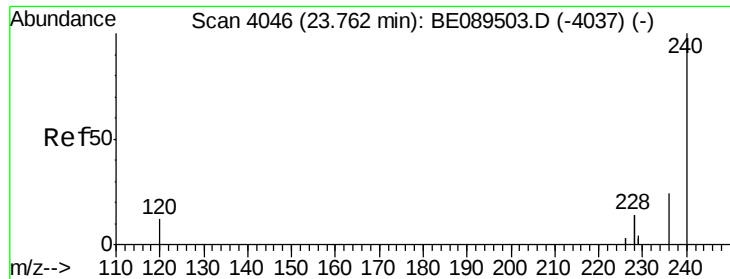


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

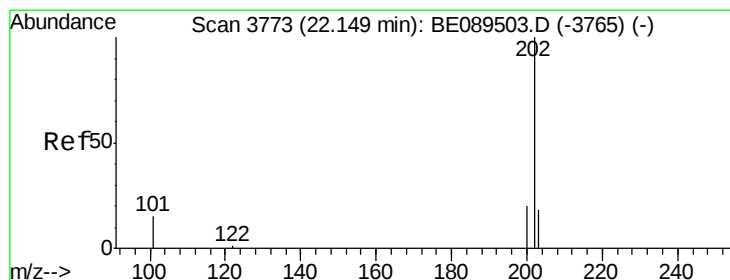
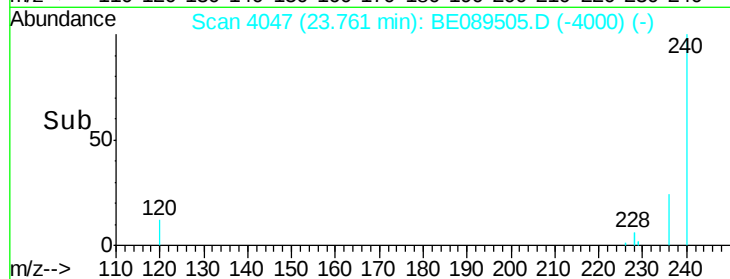
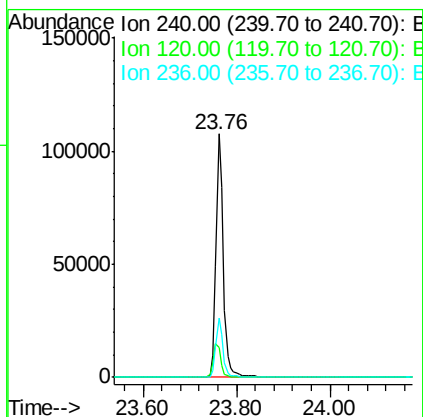
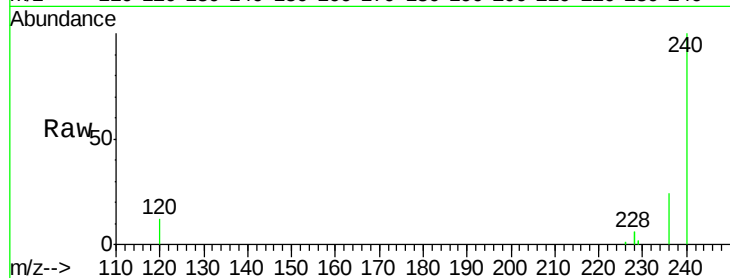




#16
Chrysene-d12
Concen: 5.00 ng
RT: 23.76 min Scan# 4047
Delta R.T. -0.00 min
Lab File: BE089505.D
Acq: 5 Feb 2015 14:45

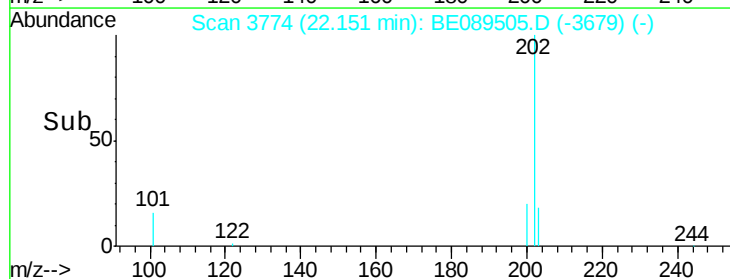
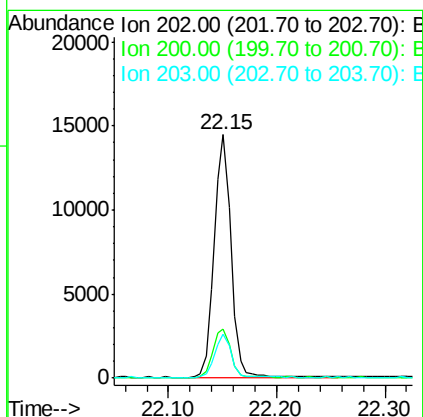
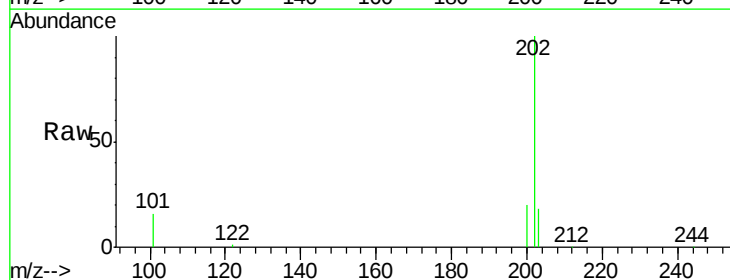
Instrument :
BNA_E
LabSampleId :
SSTDIC0.5

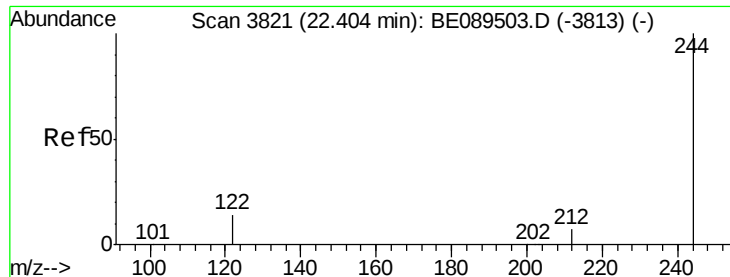
Tot Ion:240 Resp: 117419
Ion Ratio Lower Upper
240 100
120 12.5 9.6 14.4
236 24.1 19.4 29.2



#17
Pyrene
Concen: 0.46 ng
RT: 22.15 min Scan# 3774
Delta R.T. 0.00 min
Lab File: BE089505.D
Acq: 5 Feb 2015 14:45

Tgt Ion:202 Resp: 15479
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 17.2 14.0 21.0





#18

Terphenyl-d14

Concen: 0.47 ng

RT: 22.40 min Scan# 3822

Delta R.T. 0.00 min

Lab File: BE089505.D

Acq: 5 Feb 2015 14:45

Instrument :

BNA_E

LabSampleId :

SSTDICC0.5

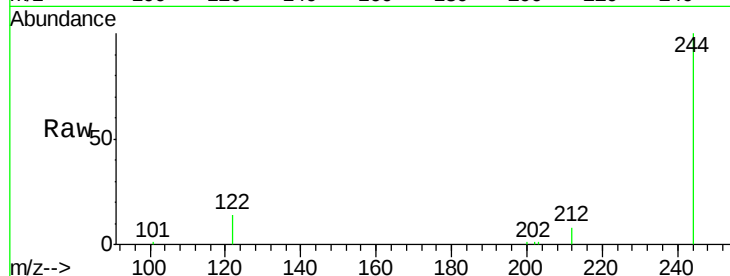
Tot Ion:244 Resp: 9507

Ion Ratio Lower Upper

244 100

212 7.6 5.5 8.3

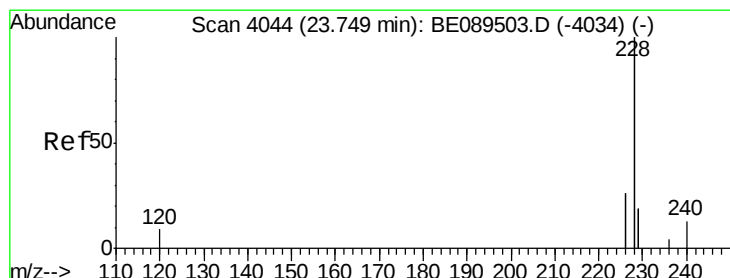
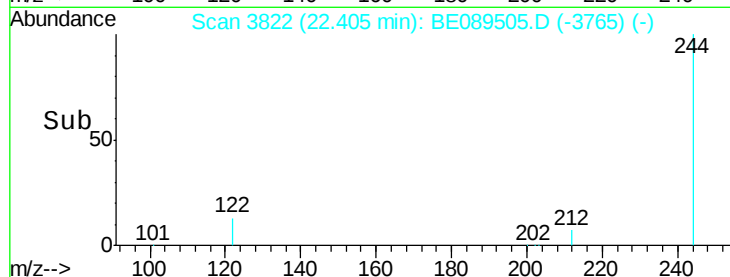
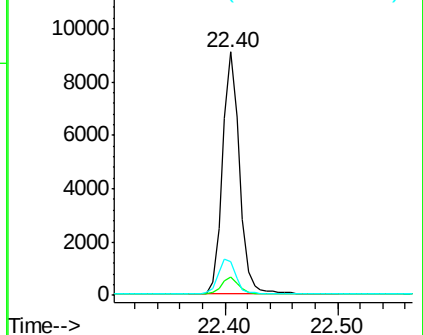
122 13.7 11.1 16.7



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: 0.46 ng

RT: 23.75 min Scan# 4045

Delta R.T. -0.00 min

Lab File: BE089505.D

Acq: 5 Feb 2015 14:45

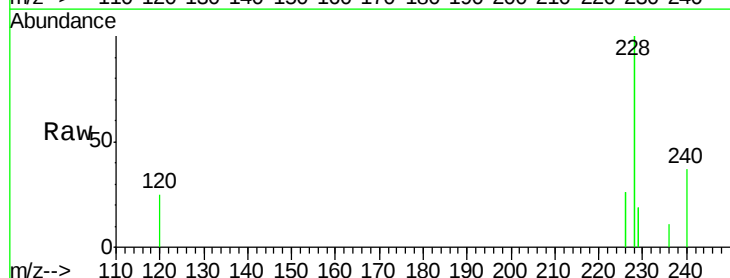
Tgt Ion:228 Resp: 59163

Ion Ratio Lower Upper

228 100

226 26.0 21.0 31.6

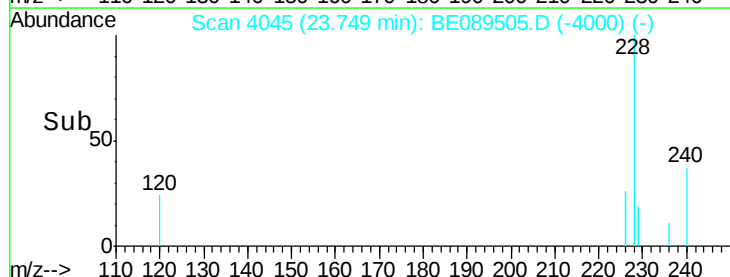
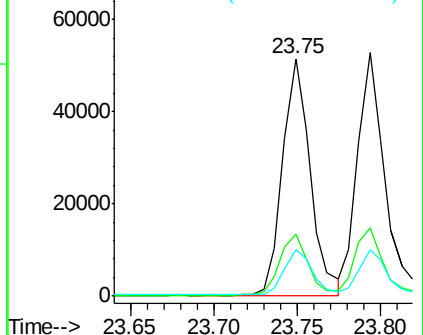
229 19.4 15.5 23.3

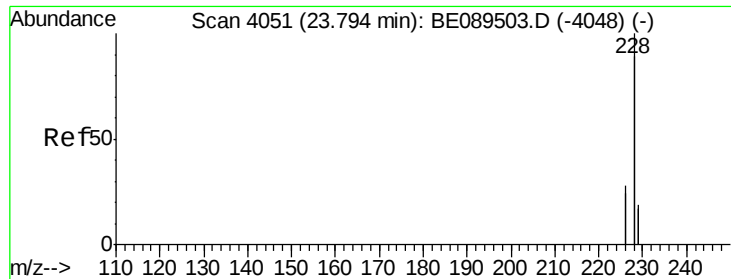


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#20

Chrysene

Concen: 0.47 ng

RT: 23.79 min Scan# 4052

Delta R.T. -0.00 min

Lab File: BE089505.D

Acq: 5 Feb 2015 14:45

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

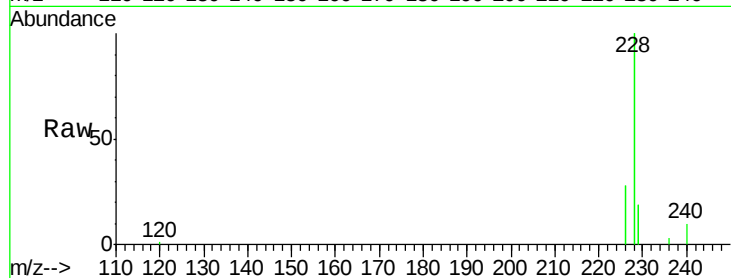
Tot Ion:228 Resp: 62712

Ion Ratio Lower Upper

228 100

226 28.1 22.3 33.5

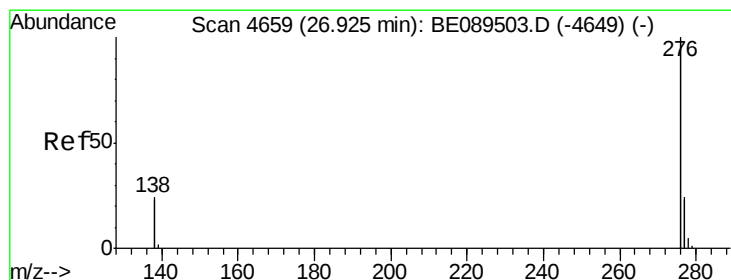
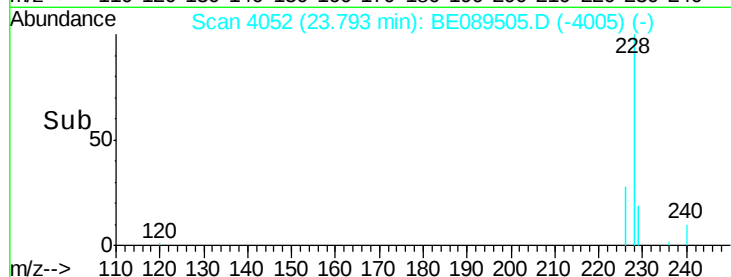
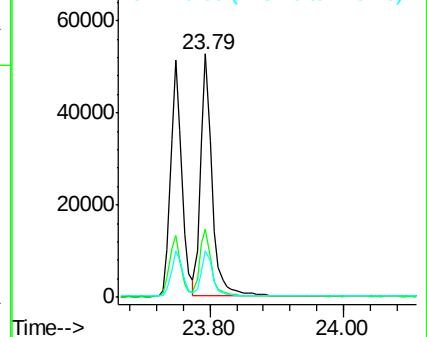
229 19.4 15.4 23.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#21

Indeno(1,2,3-cd)pyrene

Concen: 0.46 ng

RT: 26.92 min Scan# 4659

Delta R.T. -0.01 min

Lab File: BE089505.D

Acq: 5 Feb 2015 14:45

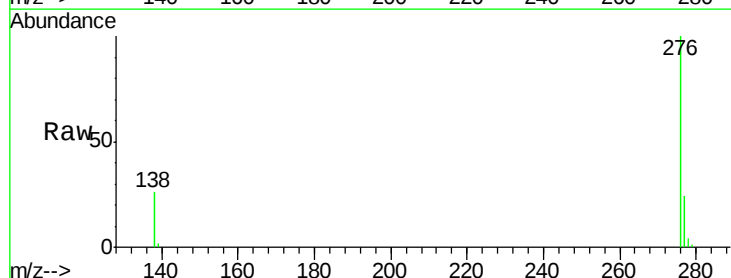
Tgt Ion:276 Resp: 63831

Ion Ratio Lower Upper

276 100

138 27.4 23.2 34.8

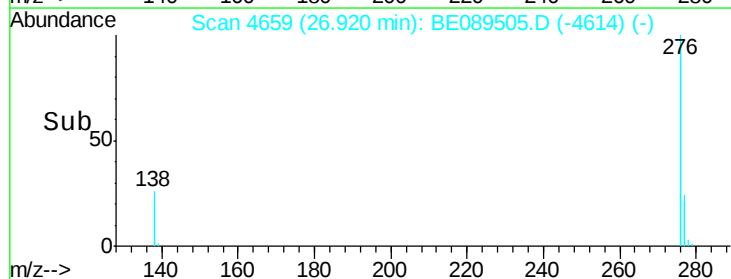
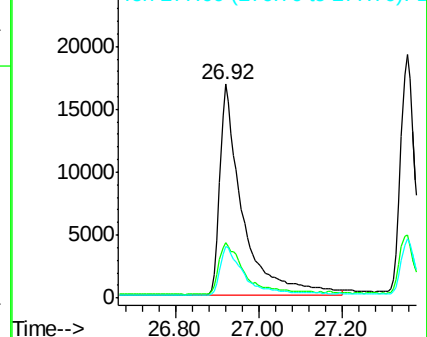
277 23.7 19.8 29.6

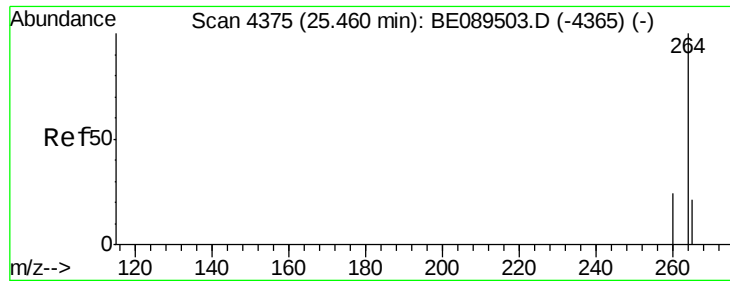


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



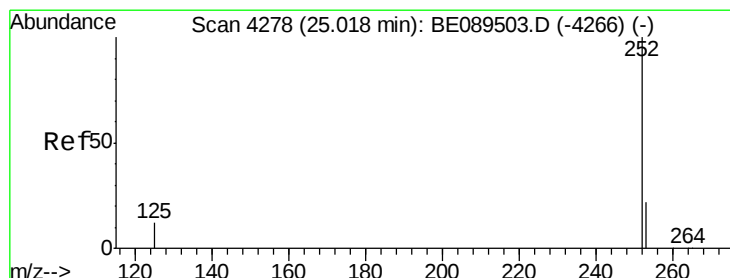
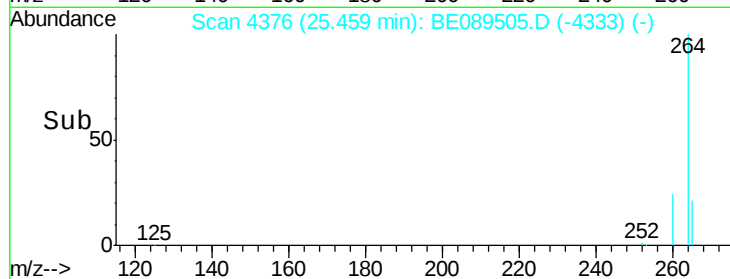
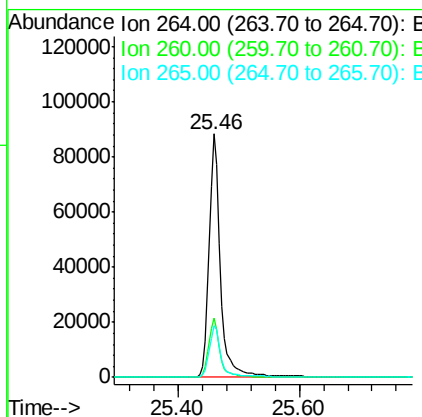
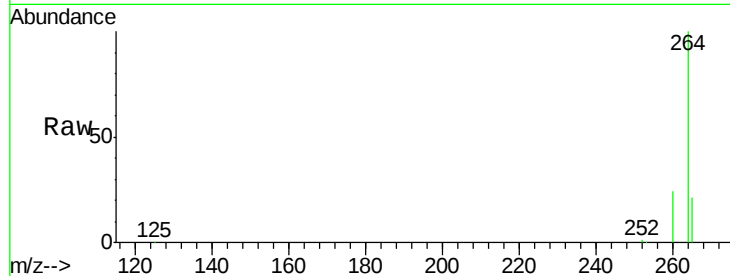


#22
Pervlene-d12
Concen: 5.00 ng
RT: 25.46 min Scan# 4376
Delta R.T. -0.00 min
Lab File: BE089505.D
Acq: 5 Feb 2015 14:45

Instrument :
BNA_E
LabSampleId :
SSTDIC0.5

Tot Ion:264 Resp: 115596

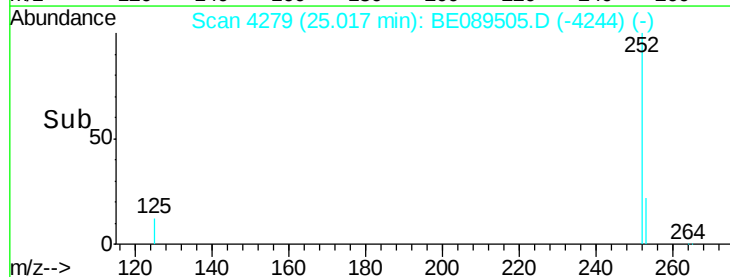
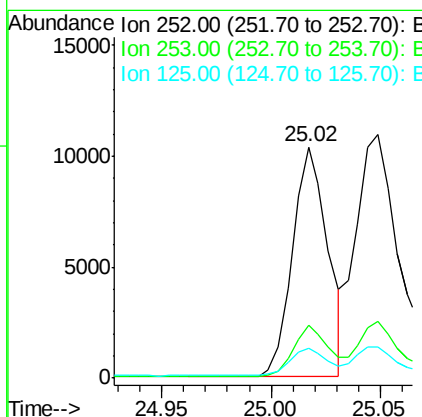
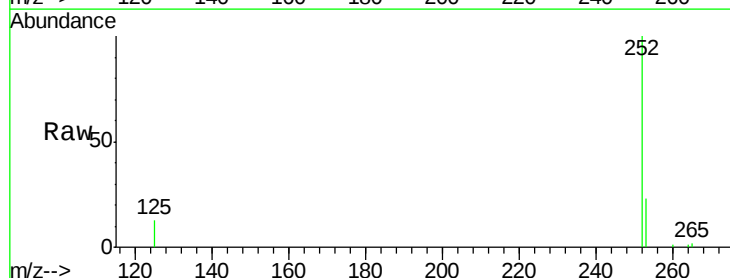
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.6
265	21.3	17.0	25.6

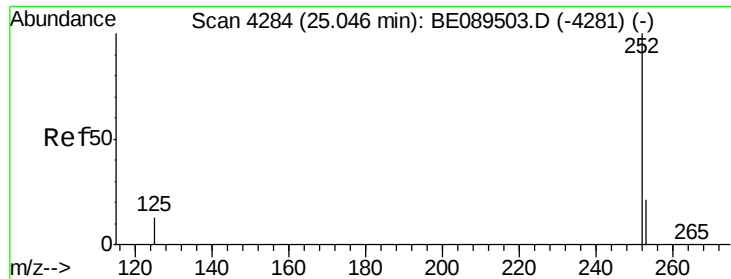


#23
Benzo(b)fluoranthene
Concen: 0.43 ng
RT: 25.02 min Scan# 4279
Delta R.T. -0.00 min
Lab File: BE089505.D
Acq: 5 Feb 2015 14:45

Tgt Ion:252 Resp: 11598

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	13.1	9.6	14.4





#24

Benzo(k)fluoranthene

Concen: 0.47 ng

RT: 25.05 min Scan# 4286

Delta R.T. 0.00 min

Lab File: BE089505.D

Acq: 5 Feb 2015 14:45

Instrument :

BNA_E

LabSampleId :

SSTDICC0.5

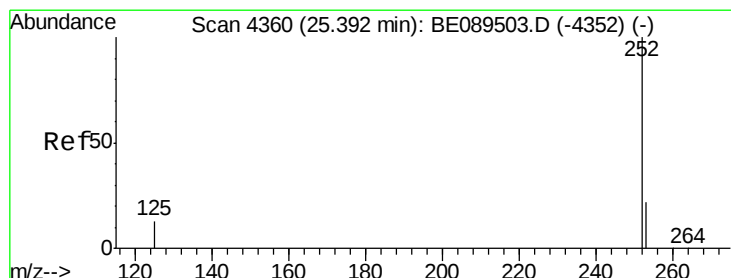
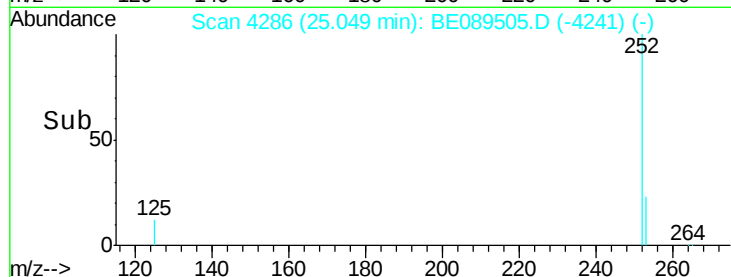
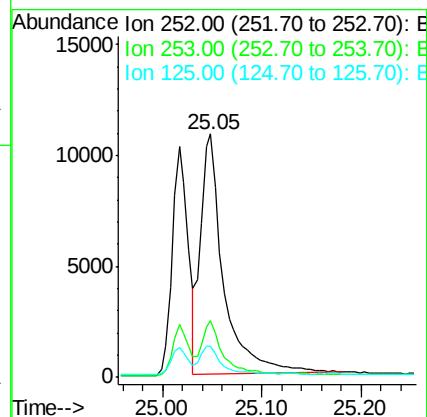
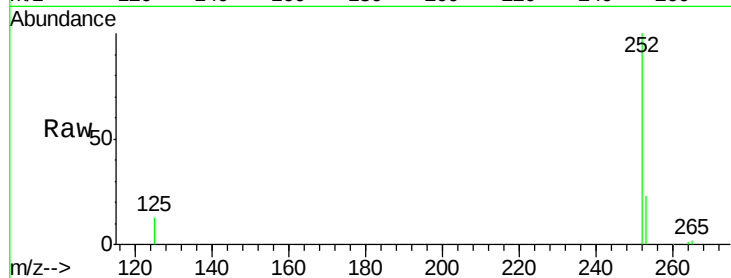
Tot Ion:252 Resp: 17436

Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.6

125 12.9 10.2 15.4



#25

Benzo(a)pyrene

Concen: 0.44 ng

RT: 25.39 min Scan# 4361

Delta R.T. -0.00 min

Lab File: BE089505.D

Acq: 5 Feb 2015 14:45

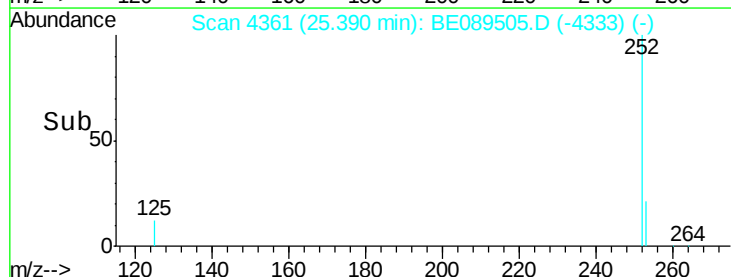
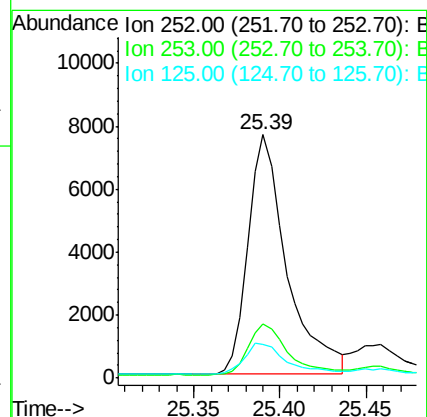
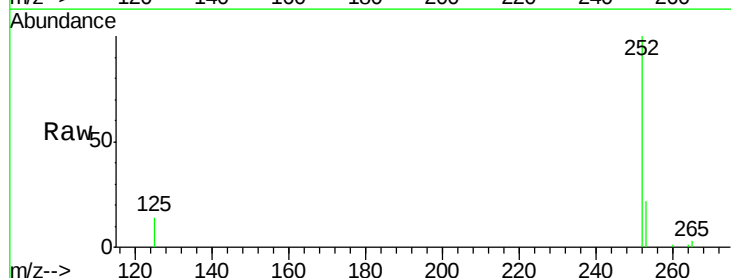
Tgt Ion:252 Resp: 11913

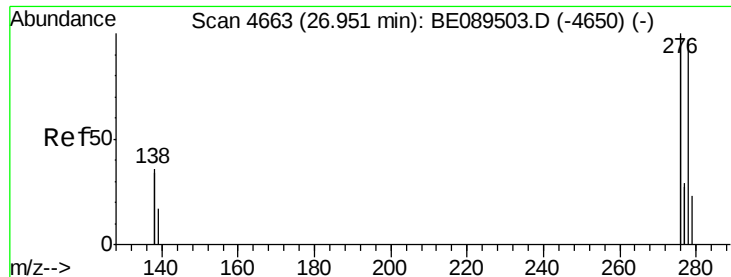
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

125 13.8 10.7 16.1

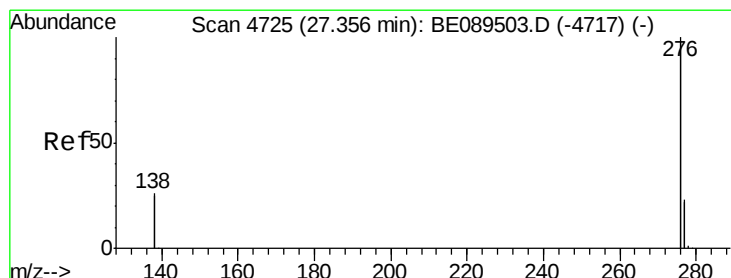
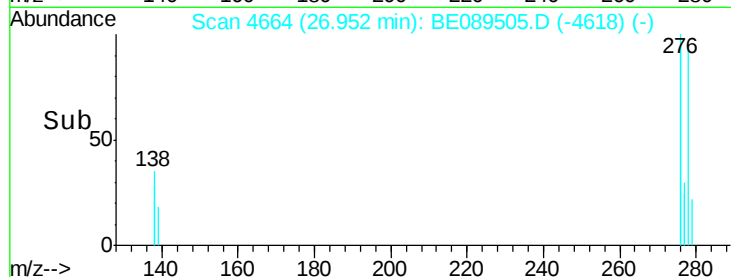
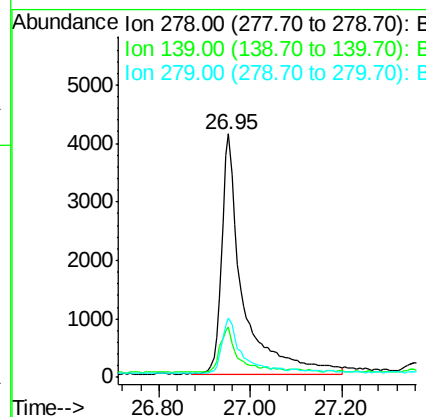
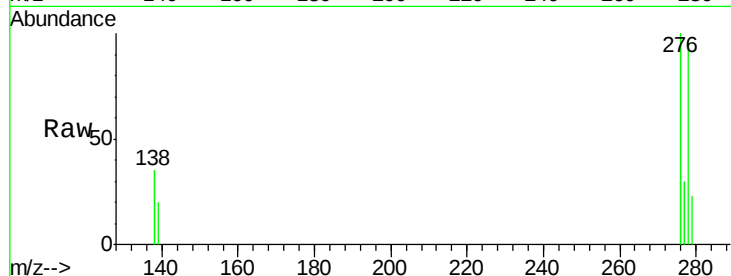




#26
Dibenzo(a,h)anthracene
Concen: 0.45 ng
RT: 26.95 min Scan# 4664
Delta R.T. 0.00 min
Lab File: BE089505.D
Acq: 5 Feb 2015 14:45

Instrument :
BNA_E
LabSampleId :
SSTDICC0.5

Tot Ion:278 Resp: 13182
Ion Ratio Lower Upper
278 100
139 20.6 14.6 22.0
279 24.1 19.0 28.4



#27
Benzo(g,h,i)perylene
Concen: 0.46 ng
RT: 27.36 min Scan# 4726
Delta R.T. 0.00 min
Lab File: BE089505.D
Acq: 5 Feb 2015 14:45

Tgt Ion:276 Resp: 54772
Ion Ratio Lower Upper
276 100
277 24.2 18.6 28.0
138 25.8 20.8 31.2

