

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020515\
 Data File : BE089500.D
 Acq On : 5 Feb 2015 11:22
 Operator : TP/IZ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

Quant Time: Feb 06 03:18:28 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

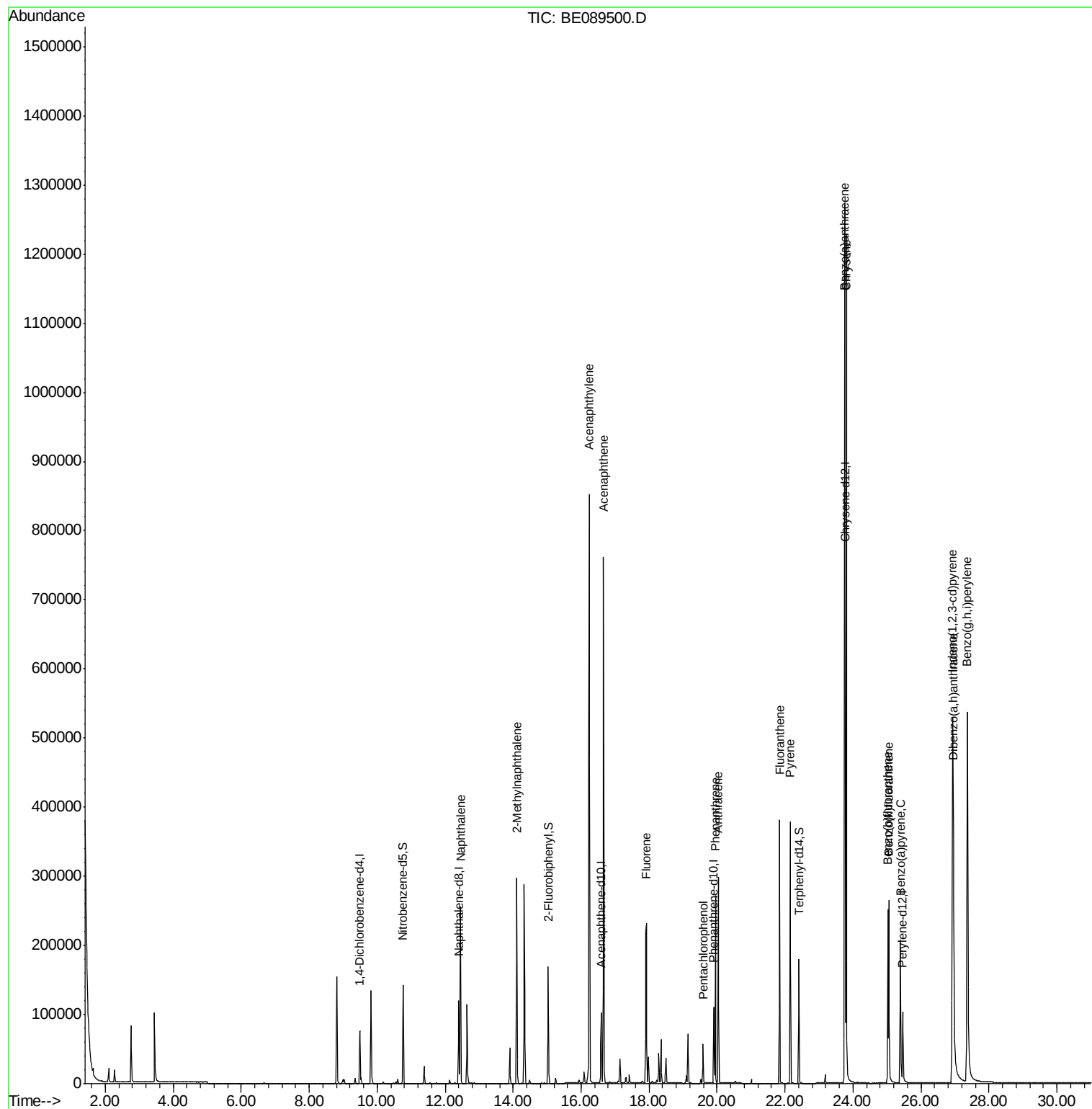
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.49	152	32492	5.00	ng	0.00
2) Naphthalene-d8	12.40	136	130117	5.00	ng	0.00
6) Acenaphthene-d10	16.59	164	57316	5.00	ng	0.00
11) Phenanthrene-d10	19.91	188	106381	5.00	ng	0.00
16) Chrysene-d12	23.77	240	103186	5.00	ng	0.00
22) Perylene-d12	25.46	264	93582	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.76	82	98616	9.94	ng	0.00
7) 2-Fluorobiphenyl	15.04	172	148535	8.22	ng	0.00
18) Terphenyl-d14	22.41	244	156406	8.71	ng	0.00
Target Compounds						Ovalue
4) Naphthalene	12.45	128	284585	8.69	ng	100
5) 2-Methylnaphthalene	14.11	142	176973	8.25	ng	97
8) Acenaphthylene	16.24	152	1056604	8.59	ng	100
9) Acenaphthene	16.66	154	151651	8.04	ng	99
10) Fluorene	17.92	166	172553	8.20	ng	99
12) Pentachlorophenol	19.58	266	29714	28.40	ng	94
13) Phenanthrene	19.95	178	254975	7.89	ng	100
14) Anthracene	20.04	178	249233	8.63	ng	100
15) Fluoranthene	21.84	202	252690	8.19	ng	99
17) Pyrene	22.16	202	263290	8.93	ng	100
19) Benzo(a)anthracene	23.75	228	924858	8.17	ng	98
20) Chrysene	23.80	228	916114	7.87	ng	99
21) Indeno(1,2,3-cd)pyrene	26.93	276	992942	8.20	ng	99
23) Benzo(b)fluoranthene	25.02	252	201414	9.26	ng	100
24) Benzo(k)fluoranthene	25.05	252	248181	8.32	ng	98
25) Benzo(a)pyrene	25.40	252	207638	9.42	ng	100
26) Dibenzo(a,h)anthracene	26.96	278	212957	9.05	ng	98
27) Benzo(a,h,i)perylene	27.36	276	813417	8.47	ng	99

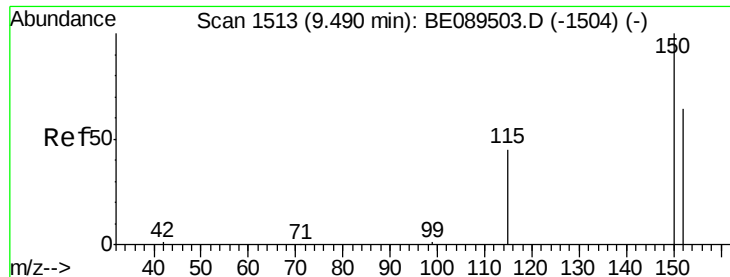
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.49 min Scan# 1514

Delta R.T. 0.00 min

Lab File: BE089500.D

Acq: 5 Feb 2015 11:22

Instrument :

BNA_E

LabSampleId :

SSTDIC010

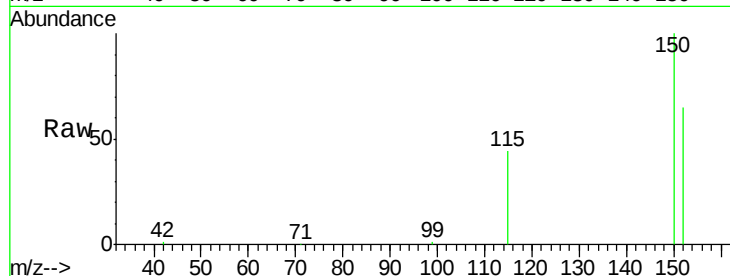
Tot Ion:152 Resp: 32492

Ion Ratio Lower Upper

152 100

150 154.2 125.0 187.6

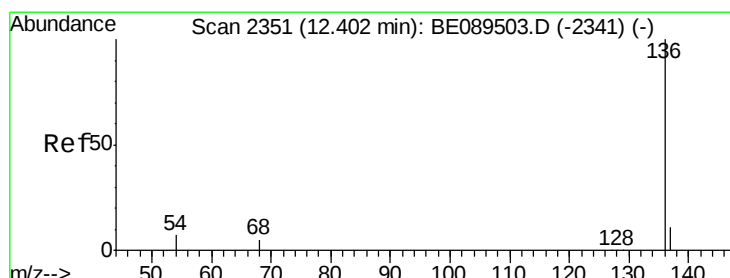
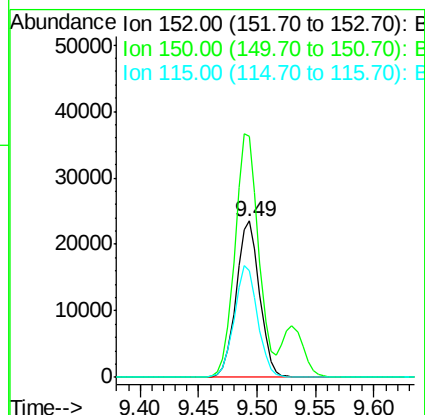
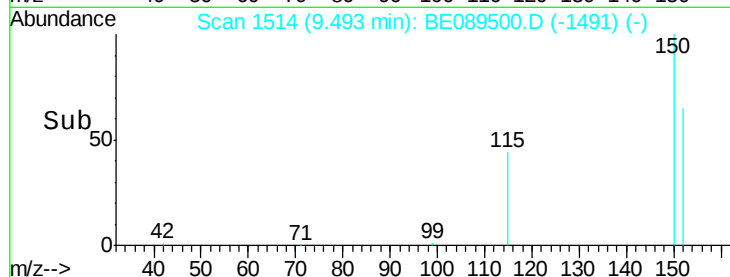
115 68.2 56.6 85.0



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# 2352

Delta R.T. 0.00 min

Lab File: BE089500.D

Acq: 5 Feb 2015 11:22

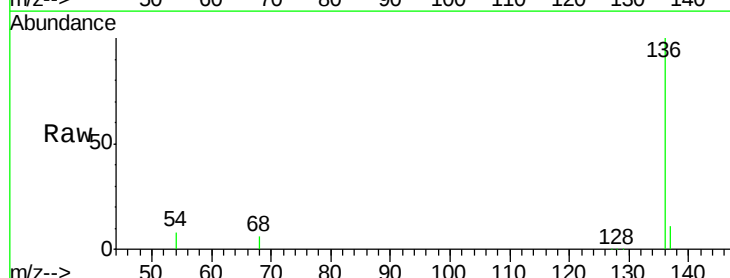
Tgt Ion:136 Resp: 130117

Ion Ratio Lower Upper

136 100

137 10.5 8.6 12.8

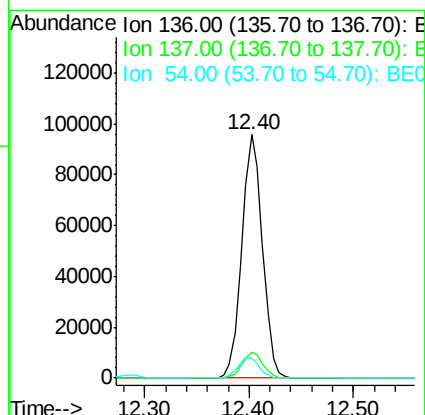
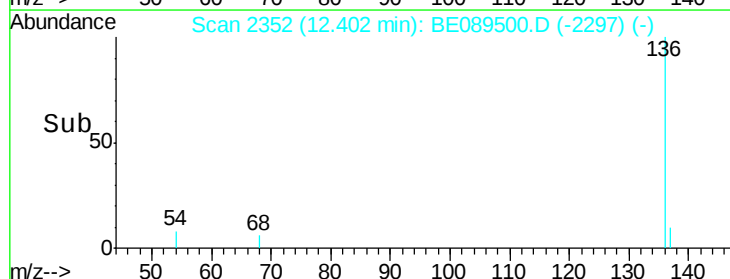
54 8.3 6.0 9.0

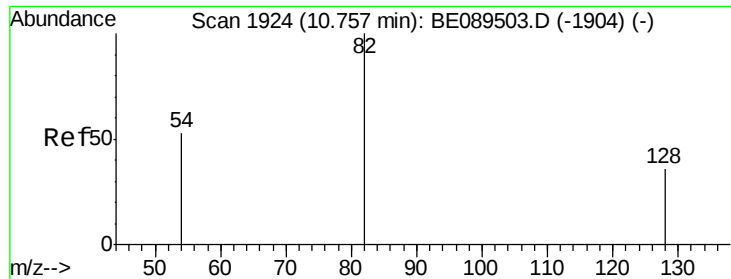


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 9.94 ng

RT: 10.76 min Scan# 1927

Delta R.T. 0.01 min

Lab File: BE089500.D

Acq: 5 Feb 2015 11:22

Instrument :

BNA_E

LabSampleId :

SSTDICC010

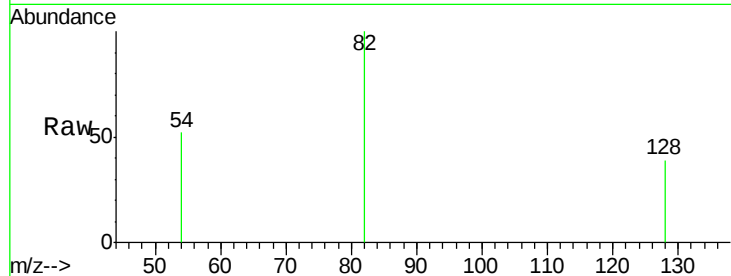
Tot Ion: 82 Resp: 98616

Ion Ratio Lower Upper

82 100

128 39.4 29.3 43.9

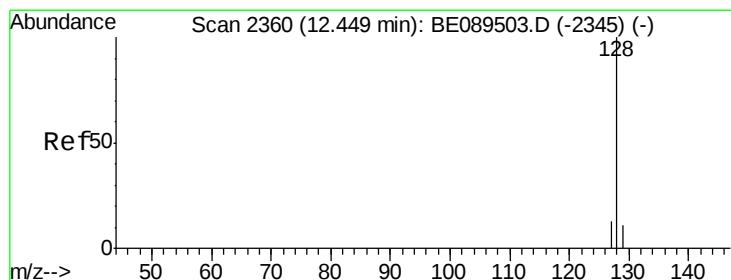
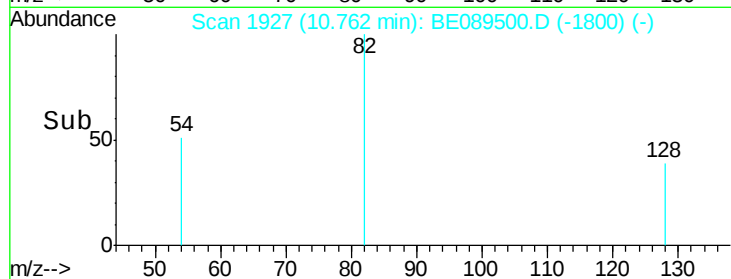
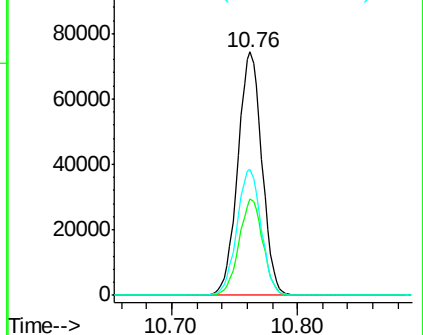
54 51.7 42.6 64.0



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: 8.69 ng

RT: 12.45 min Scan# 2361

Delta R.T. 0.00 min

Lab File: BE089500.D

Acq: 5 Feb 2015 11:22

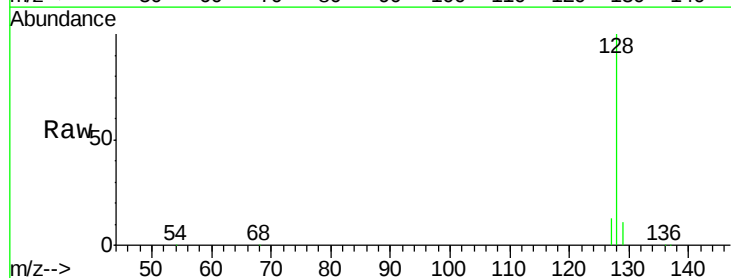
Tgt Ion: 128 Resp: 284585

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

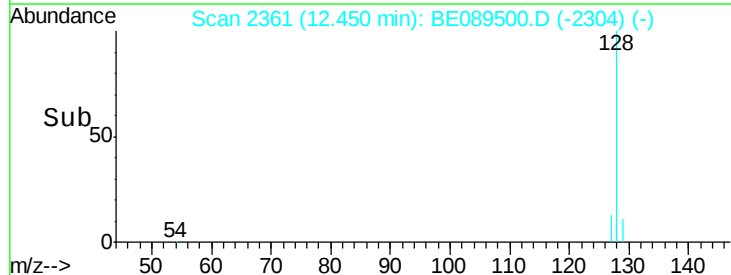
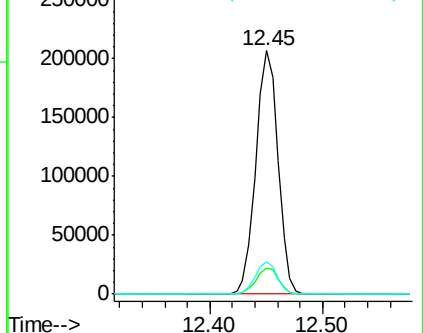
127 13.1 10.3 15.5



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: 8.25 ng

RT: 14.11 min Scan# 2695

Delta R.T. 0.00 min

Lab File: BE089500.D

Acq: 5 Feb 2015 11:22

Instrument :

BNA_E

LabSampleId :

SSTDIC010

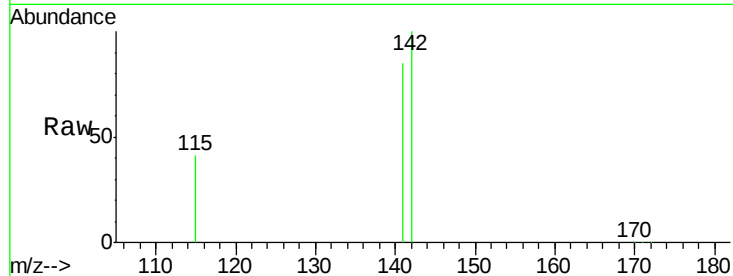
Tot Ion:142 Resp: 176973

Ion Ratio Lower Upper

142 100

141 85.3 66.3 99.5

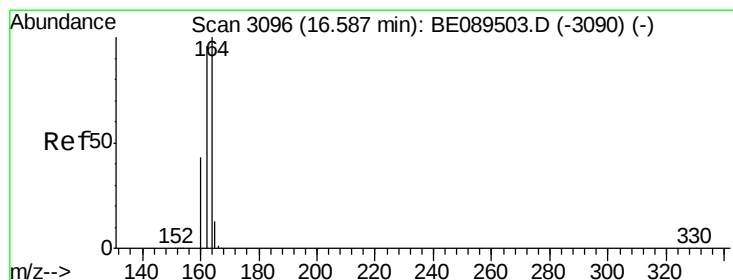
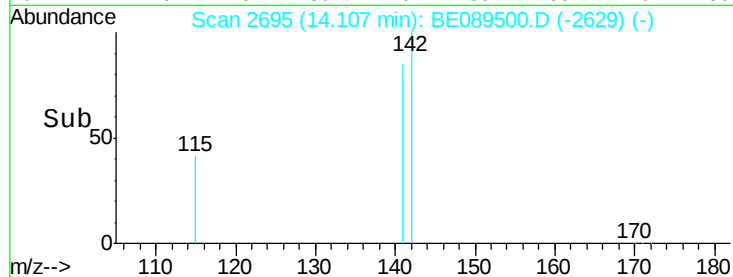
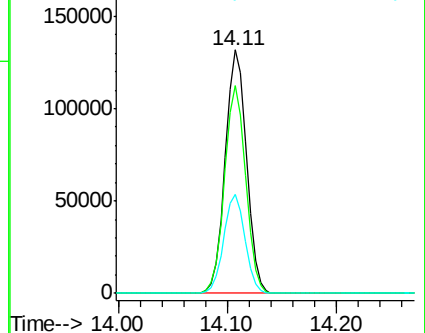
115 40.6 31.1 46.7



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: BE089500.D

Acq: 5 Feb 2015 11:22

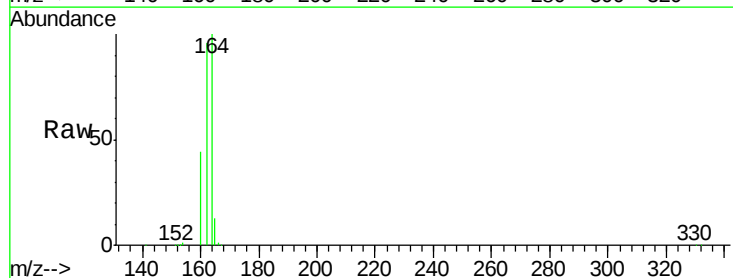
Tgt Ion:164 Resp: 57316

Ion Ratio Lower Upper

164 100

162 96.3 76.6 115.0

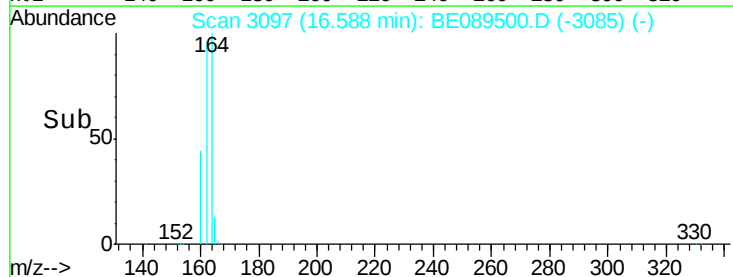
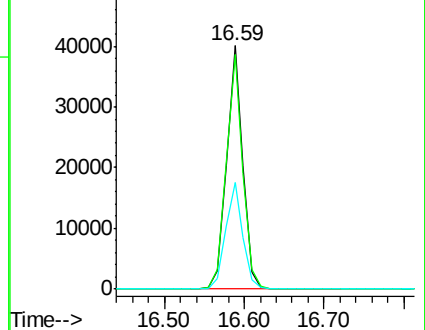
160 43.8 34.6 52.0



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: 8.22 ng

RT: 15.04 min Scan# 2899

Delta R.T. 0.01 min

Lab File: BE089500.D

Acq: 5 Feb 2015 11:22

Instrument :

BNA_E

LabSampleId :

SSTDIC010

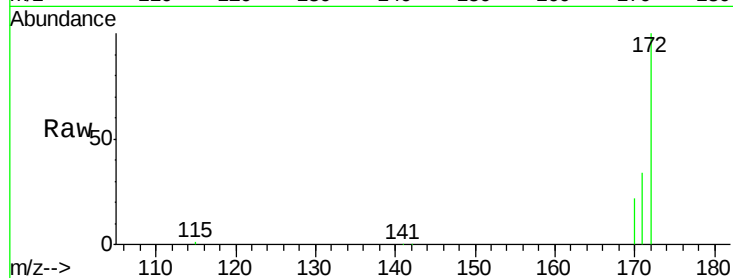
Tot Ion:172 Resp: 148535

Ion Ratio Lower Upper

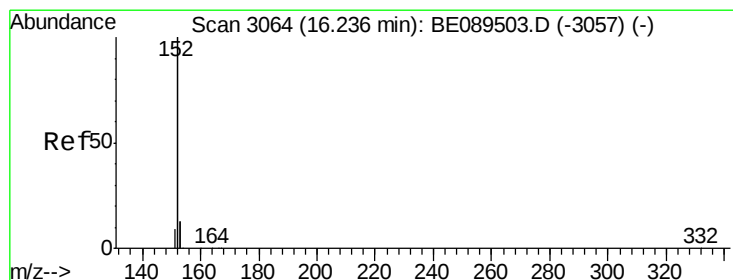
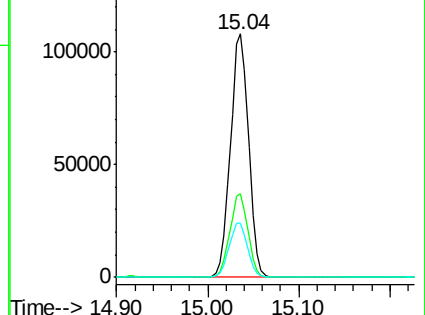
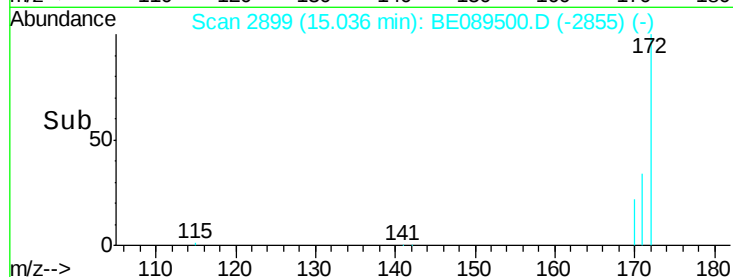
172 100

171 34.4 27.4 41.0

170 22.1 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: 8.59 ng

RT: 16.24 min Scan# 3065

Delta R.T. 0.00 min

Lab File: BE089500.D

Acq: 5 Feb 2015 11:22

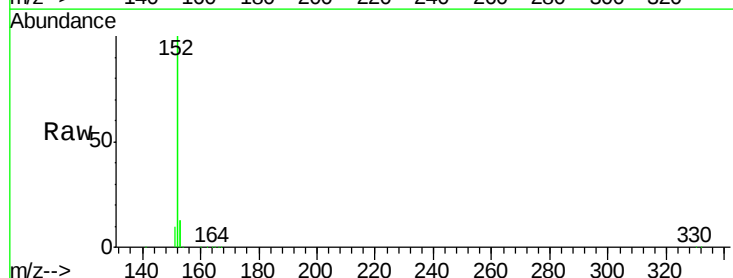
Tgt Ion:152 Resp: 1056604

Ion Ratio Lower Upper

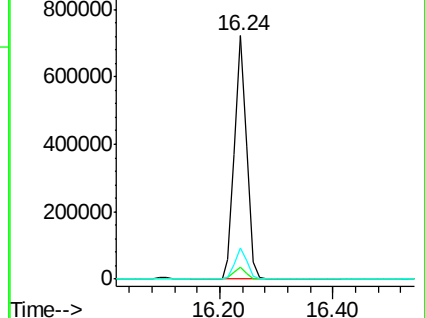
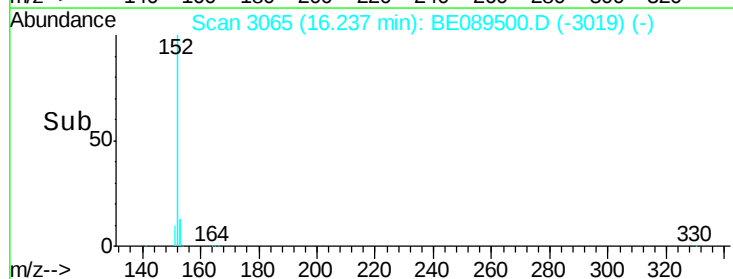
152 100

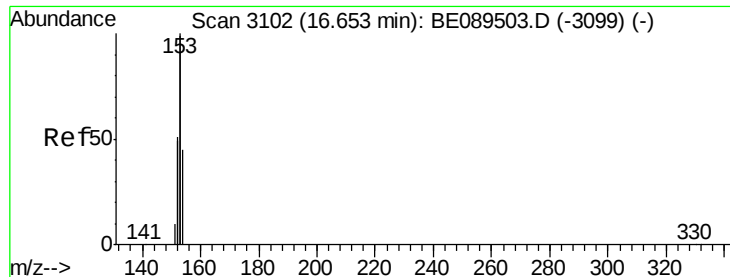
151 4.9 3.9 5.9

153 12.9 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: 8.04 ng

RT: 16.66 min Scan# 3104

Delta R.T. 0.01 min

Lab File: BE089500.D

Acq: 5 Feb 2015 11:22

Instrument :

BNA_E

LabSampleId :

SSTDIC010

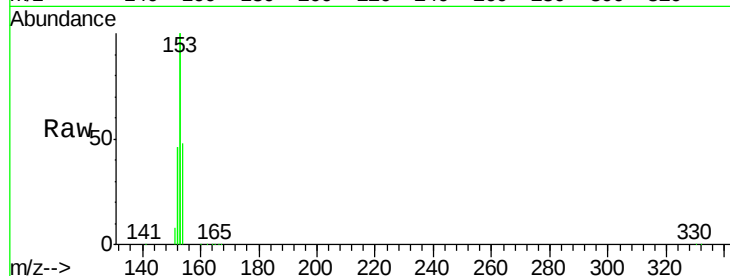
Tot Ion:154 Resp: 151651

Ion Ratio Lower Upper

154 100

153 429.5 341.5 512.3

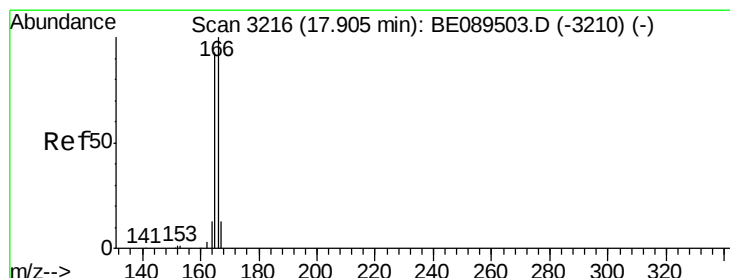
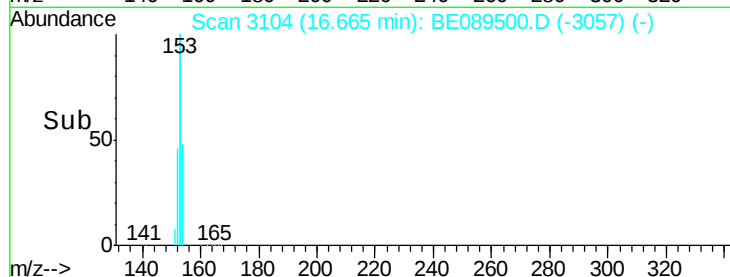
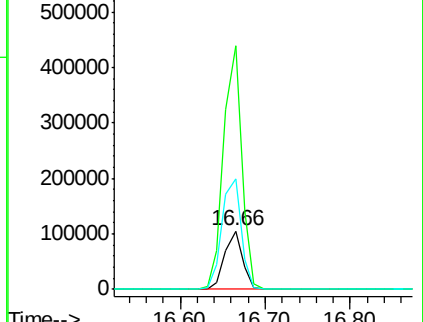
152 207.2 166.6 249.8



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: 8.20 ng

RT: 17.92 min Scan# 3218

Delta R.T. 0.01 min

Lab File: BE089500.D

Acq: 5 Feb 2015 11:22

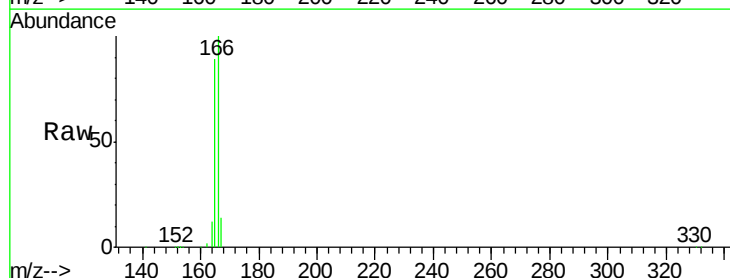
Tgt Ion:166 Resp: 172553

Ion Ratio Lower Upper

166 100

165 92.8 73.6 110.4

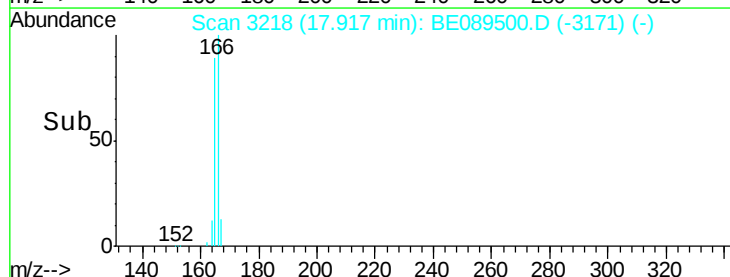
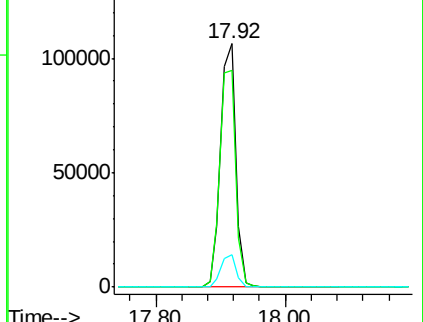
167 13.2 10.6 15.8

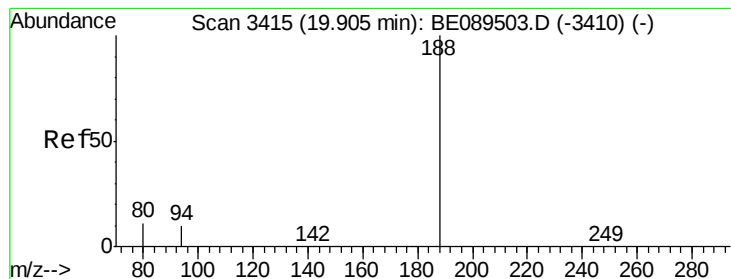


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE089500.D

Acq: 5 Feb 2015 11:22

Instrument :

BNA_E

LabSampleId :

SSTDICC010

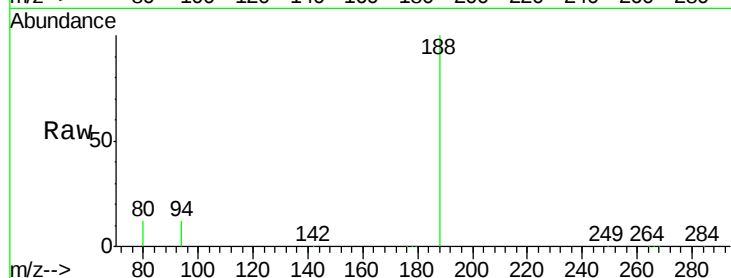
Tot Ion:188 Resp: 106381

Ion Ratio Lower Upper

188 100

94 11.9 8.2 12.4

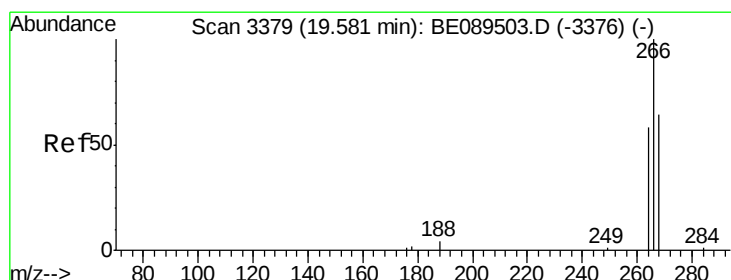
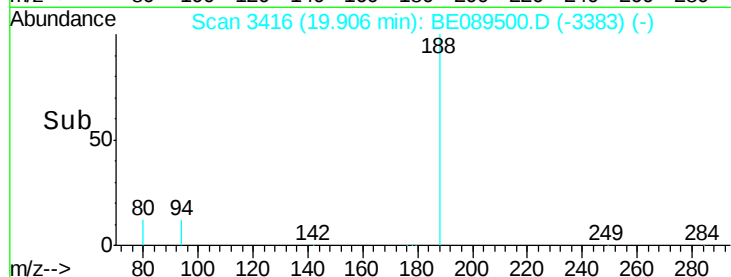
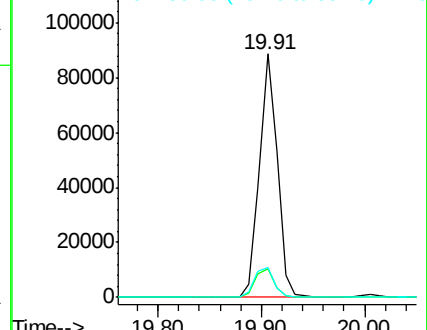
80 12.2 8.7 13.1



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



#12

Pentachlorophenol

Concen: 28.40 ng

RT: 19.58 min Scan# 3380

Delta R.T. 0.00 min

Lab File: BE089500.D

Acq: 5 Feb 2015 11:22

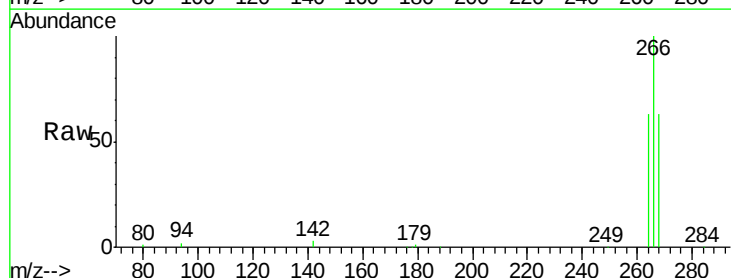
Tgt Ion:266 Resp: 29714

Ion Ratio Lower Upper

266 100

268 63.2 56.7 85.1

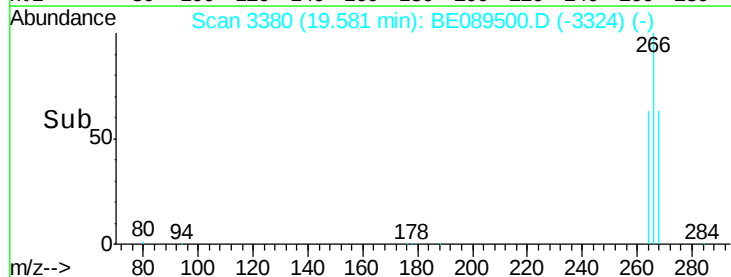
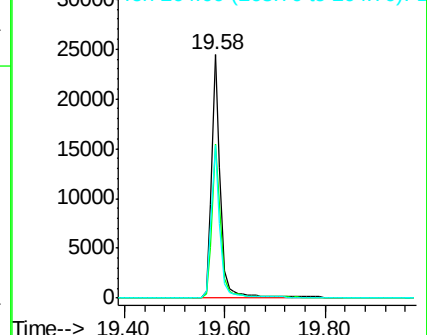
264 62.9 51.9 77.9

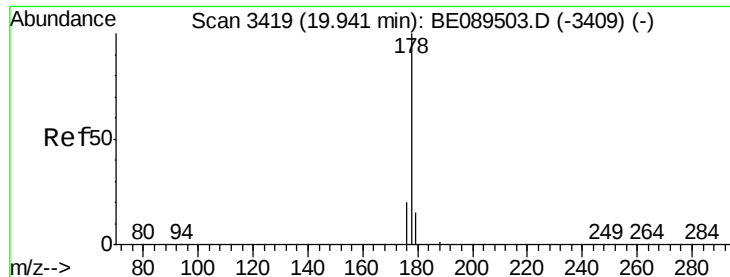


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#13

Phenanthrene

Concen: 7.89 ng

RT: 19.95 min Scan# 3421

Delta R.T. 0.01 min

Lab File: BE089500.D

Acq: 5 Feb 2015 11:22

Instrument :

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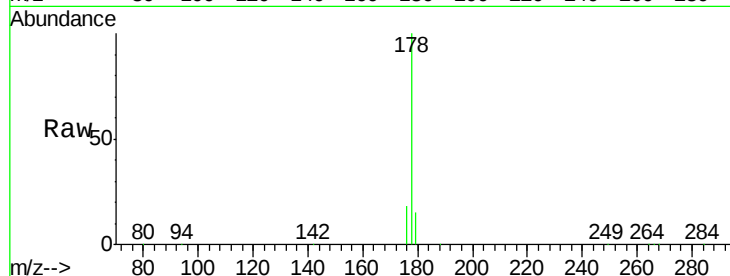
Tot Ion:178 Resp: 254975

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

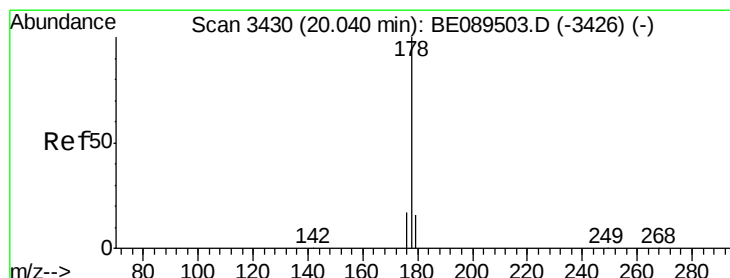
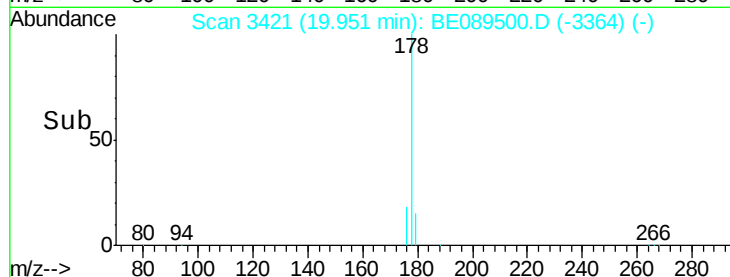
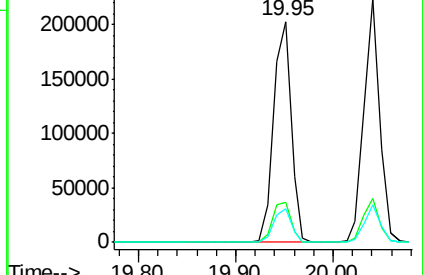
179 15.2 12.4 18.6



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: 8.63 ng

RT: 20.04 min Scan# 3431

Delta R.T. 0.00 min

Lab File: BE089500.D

Acq: 5 Feb 2015 11:22

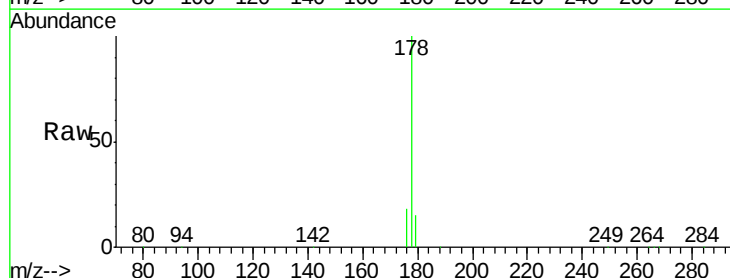
Tgt Ion:178 Resp: 249233

Ion Ratio Lower Upper

178 100

176 18.4 14.6 22.0

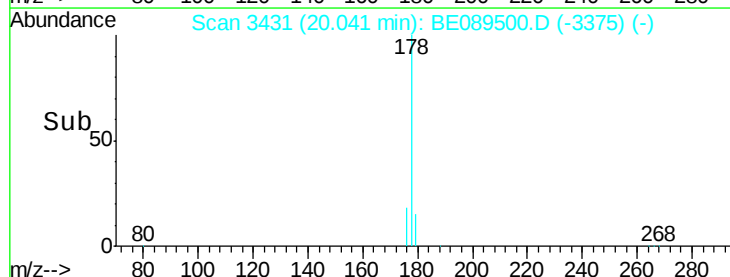
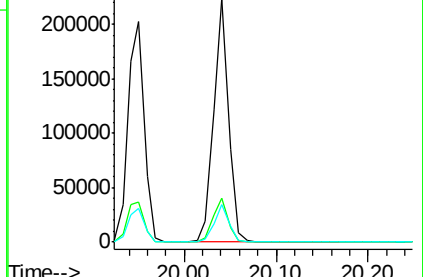
179 15.3 12.1 18.1

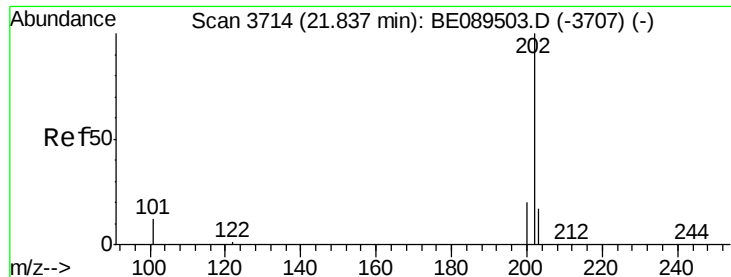


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

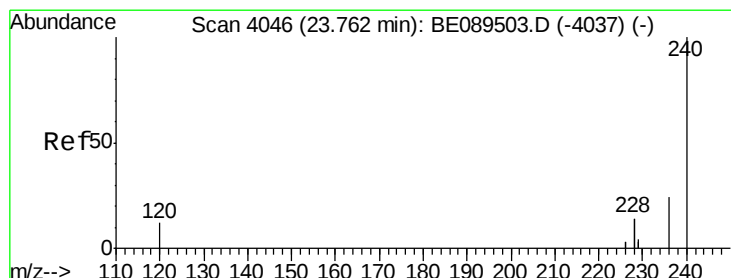
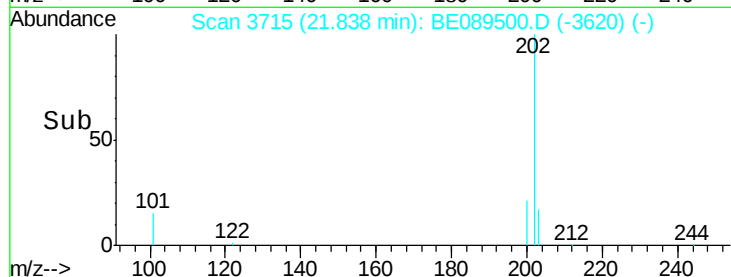
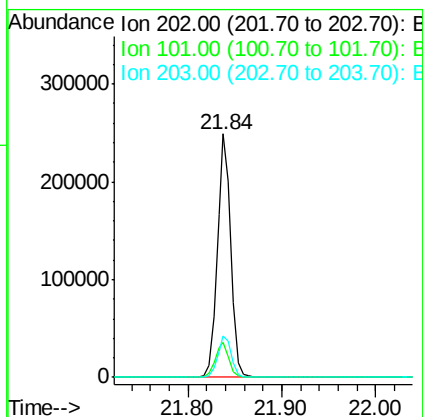
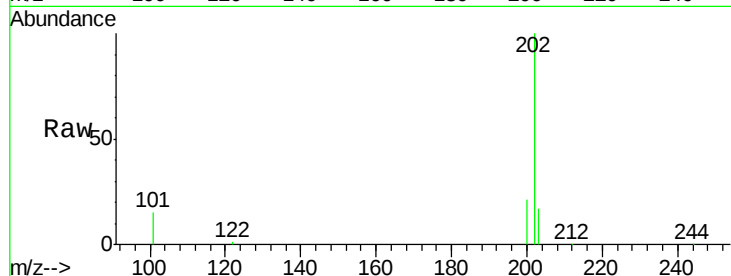




#15
 Fluoranthene
 Concen: 8.19 ng
 RT: 21.84 min Scan# 3715
 Delta R.T. 0.00 min
 Lab File: BE089500.D
 Acq: 5 Feb 2015 11:22

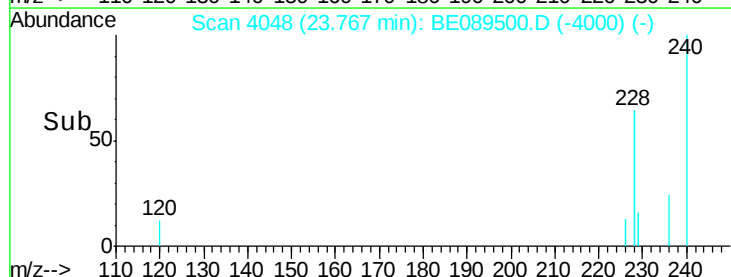
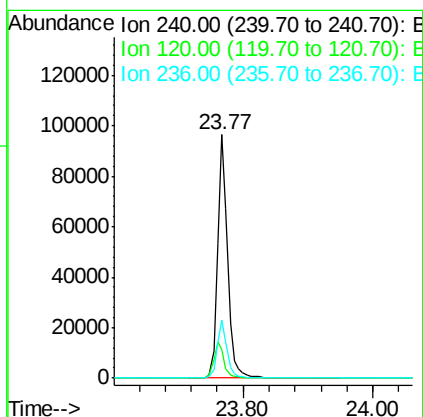
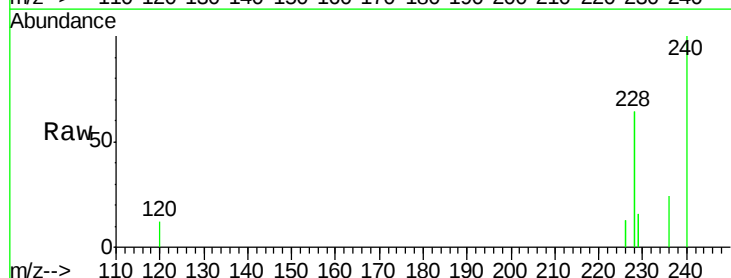
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

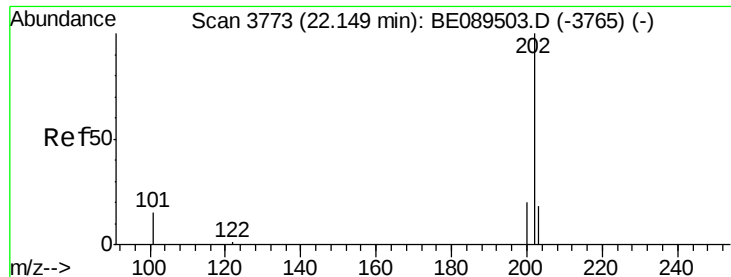
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.6	11.3	16.9
203	17.3	13.8	20.6



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.77 min Scan# 4048
 Delta R.T. 0.01 min
 Lab File: BE089500.D
 Acq: 5 Feb 2015 11:22

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.6	14.4
236	24.0	19.4	29.2

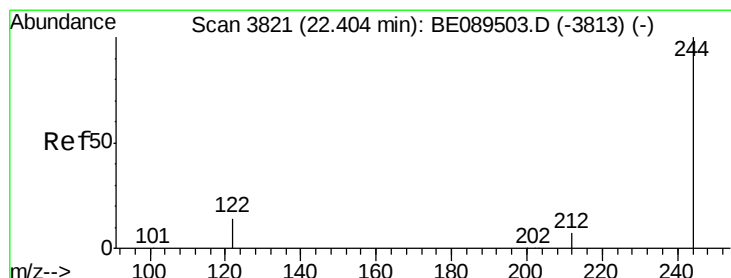
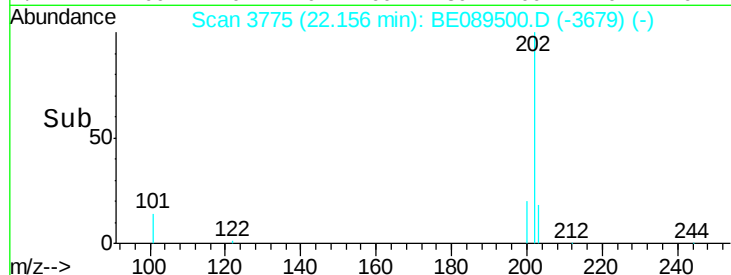
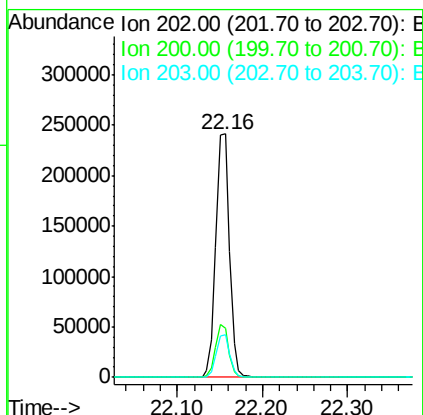
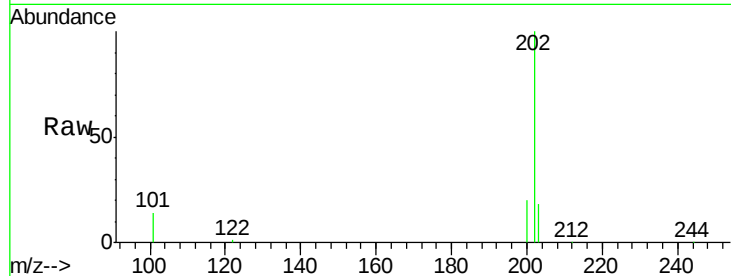




#17
Pvrene
Concen: 8.93 ng
RT: 22.16 min Scan# 3775
Delta R.T. 0.01 min
Lab File: BE089500.D
Acq: 5 Feb 2015 11:22

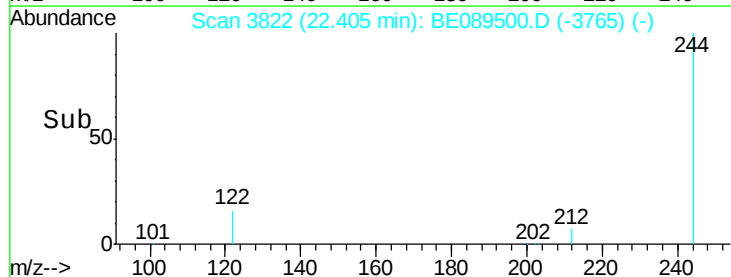
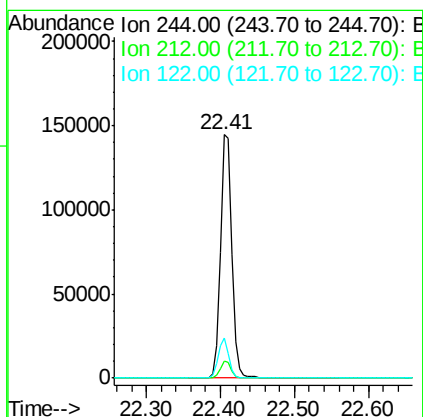
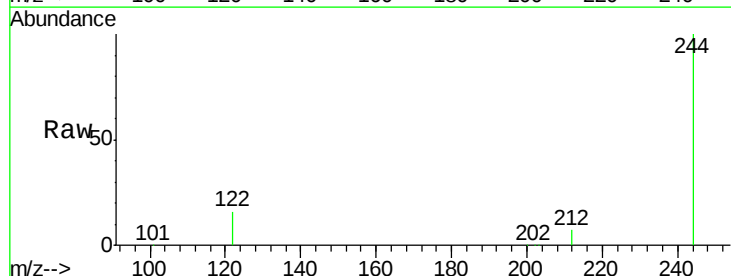
Instrument :
BNA_E
LabSampleId :
SSTDIC010

Tot Ion:202 Resp: 263290
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 17.3 14.0 21.0



#18
Terphenyl-d14
Concen: 8.71 ng
RT: 22.41 min Scan# 3822
Delta R.T. 0.00 min
Lab File: BE089500.D
Acq: 5 Feb 2015 11:22

Tgt Ion:244 Resp: 156406
Ion Ratio Lower Upper
244 100
212 7.0 5.5 8.3
122 16.2 11.1 16.7





#19

Benzo(a)anthracene

Concen: 8.17 ng

RT: 23.75 min Scan# 4046

Delta R.T. 0.01 min

Lab File: BE089500.D

Acq: 5 Feb 2015 11:22

Instrument :

BNA_E

LabSampleId :

SSTDICC010

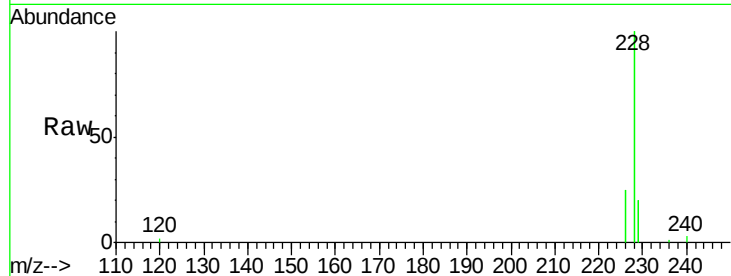
Tot Ion:228 Resp: 924858

Ion Ratio Lower Upper

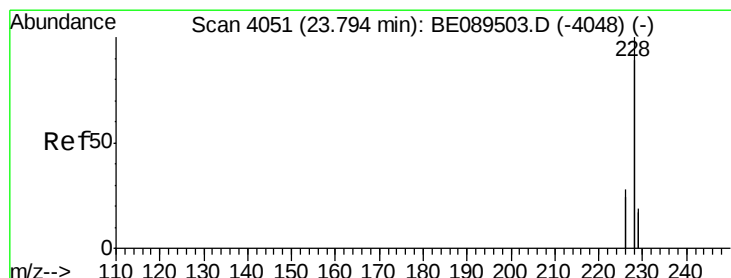
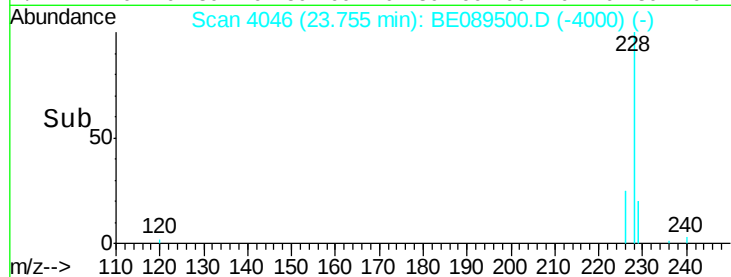
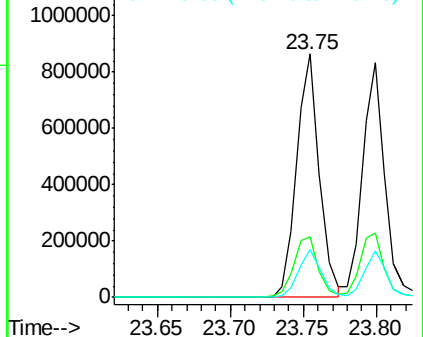
228 100

226 24.9 21.0 31.6

229 19.9 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: 7.87 ng

RT: 23.80 min Scan# 4053

Delta R.T. 0.01 min

Lab File: BE089500.D

Acq: 5 Feb 2015 11:22

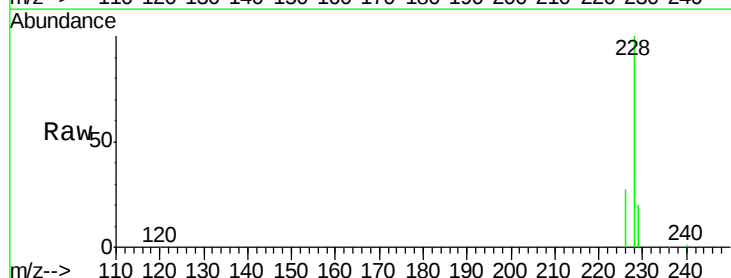
Tgt Ion:228 Resp: 916114

Ion Ratio Lower Upper

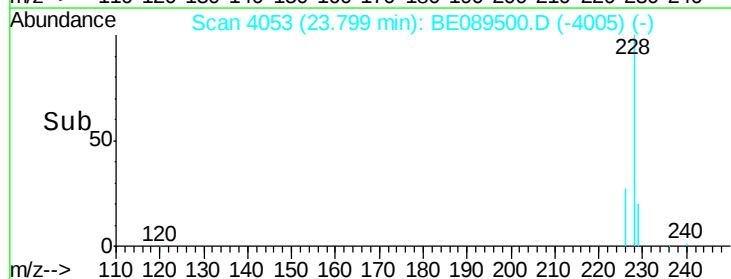
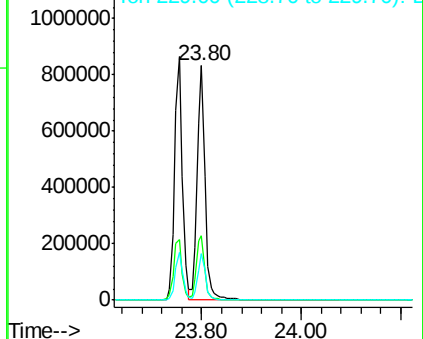
228 100

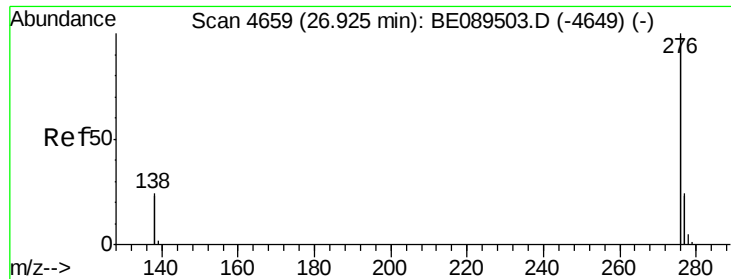
226 27.4 22.3 33.5

229 19.8 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

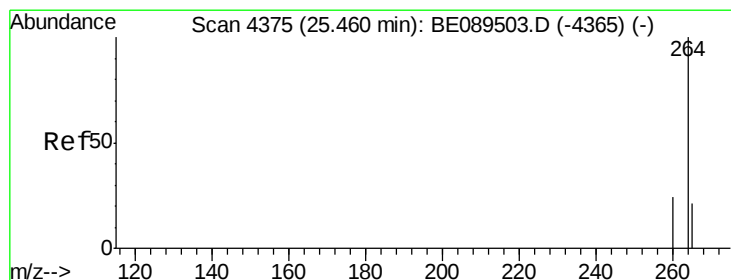
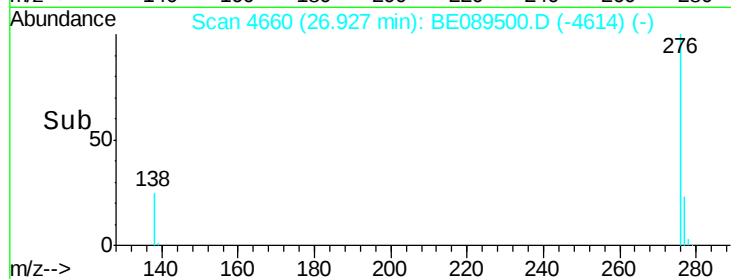
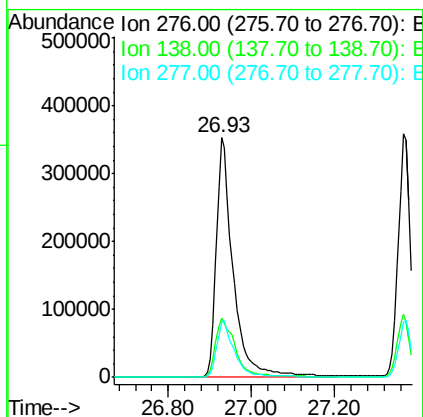
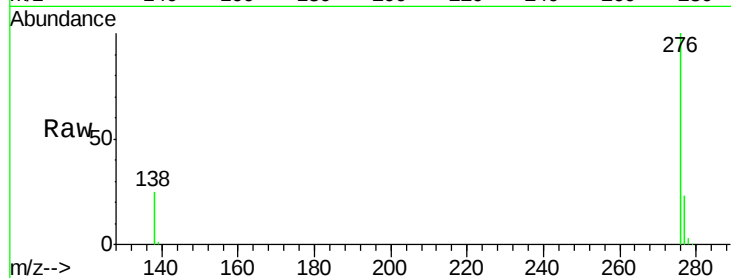




#21
Indeno(1,2,3-cd)pyrene
Concen: 8.20 ng
RT: 26.93 min Scan# 4660
Delta R.T. 0.00 min
Lab File: BE089500.D
Acq: 5 Feb 2015 11:22

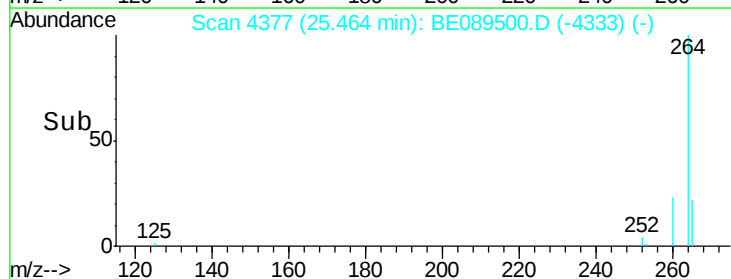
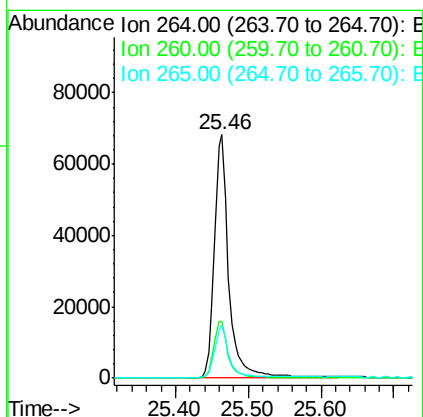
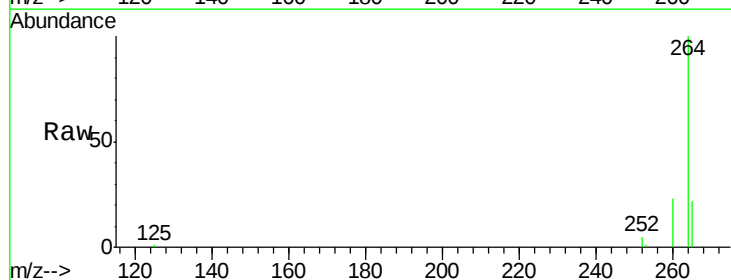
Instrument :
BNA_E
LabSampleId :
SSTDIC010

Tot Ion:276 Resp: 992942
Ion Ratio Lower Upper
276 100
138 29.2 23.2 34.8
277 25.1 19.8 29.6



#22
Perylene-d12
Concen: 5.00 ng
RT: 25.46 min Scan# 4377
Delta R.T. 0.00 min
Lab File: BE089500.D
Acq: 5 Feb 2015 11:22

Tgt Ion:264 Resp: 93582
Ion Ratio Lower Upper
264 100
260 23.3 19.0 28.6
265 21.9 17.0 25.6

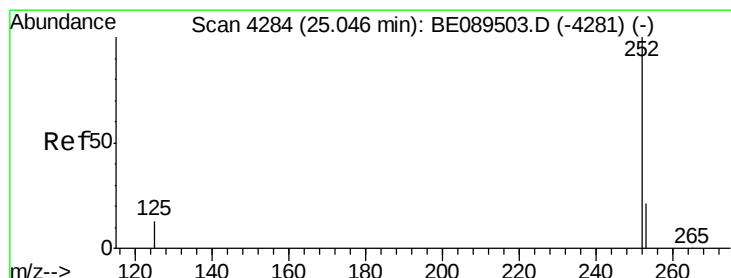
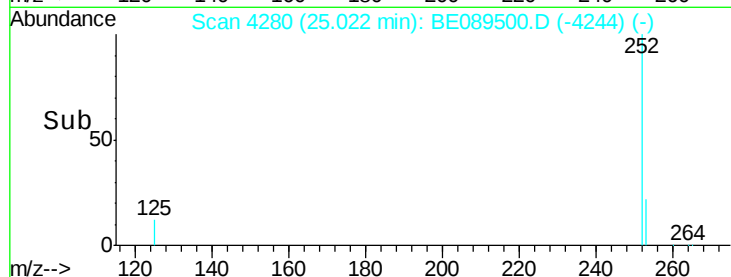
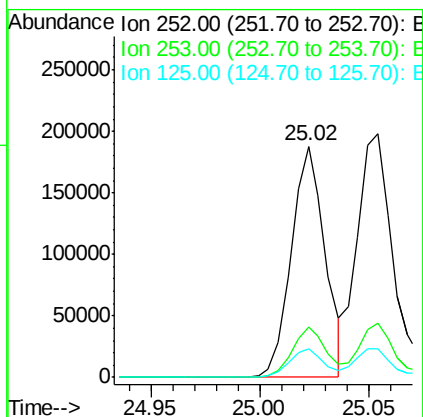
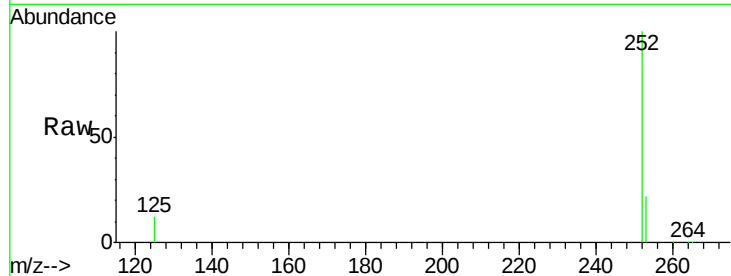




#23
Benzo(b)fluoranthene
Concen: 9.26 ng
RT: 25.02 min Scan# 4280
Delta R.T. 0.00 min
Lab File: BE089500.D
Acq: 5 Feb 2015 11:22

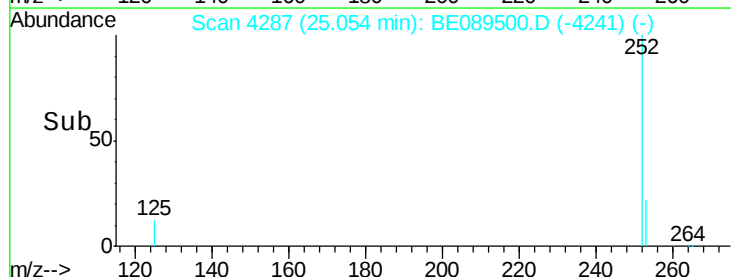
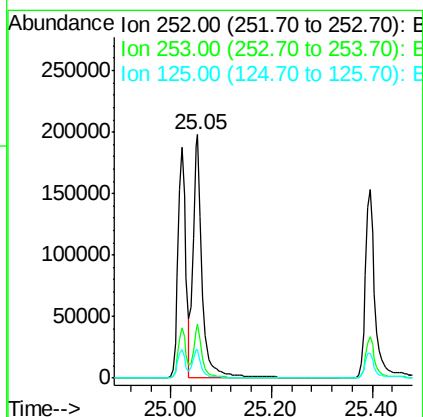
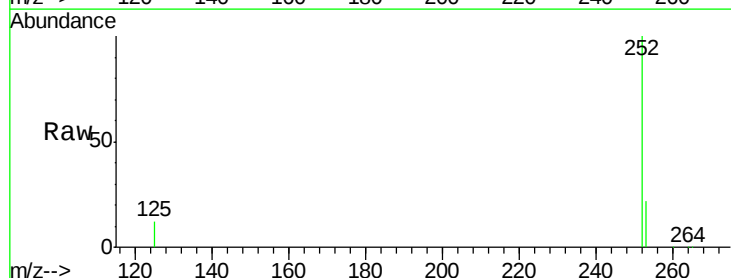
Instrument :
BNA_E
LabSampleId :
SSTDIC010

Tot Ion:252 Resp: 201414
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 12.2 9.6 14.4



#24
Benzo(k)fluoranthene
Concen: 8.32 ng
RT: 25.05 min Scan# 4287
Delta R.T. 0.01 min
Lab File: BE089500.D
Acq: 5 Feb 2015 11:22

Tgt Ion:252 Resp: 248181
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 11.7 10.2 15.4





#25

Benzo(a)pyrene

Concen: 9.42 ng

RT: 25.40 min Scan# 4362

Delta R.T. 0.00 min

Lab File: BE089500.D

Acq: 5 Feb 2015 11:22

Instrument :

BNA_E

LabSampleId :

SSTDIC010

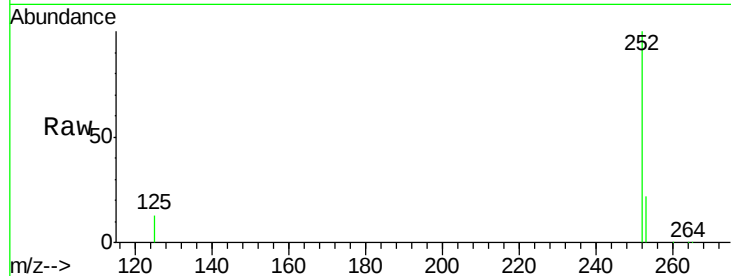
Tot Ion:252 Resp: 207638

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

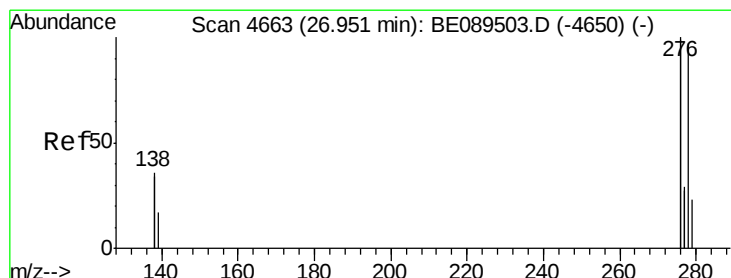
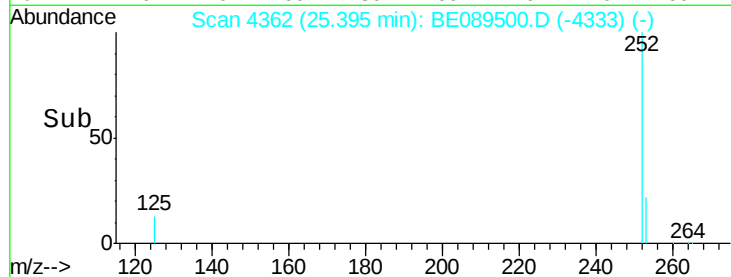
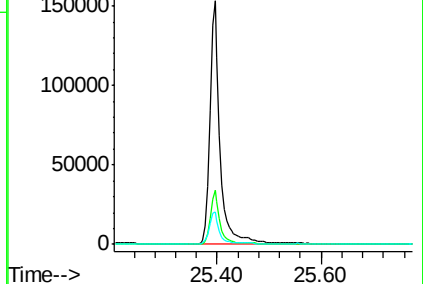
125 13.2 10.7 16.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#26

Dibenzo(a,h)anthracene

Concen: 9.05 ng

RT: 26.96 min Scan# 4665

Delta R.T. 0.01 min

Lab File: BE089500.D

Acq: 5 Feb 2015 11:22

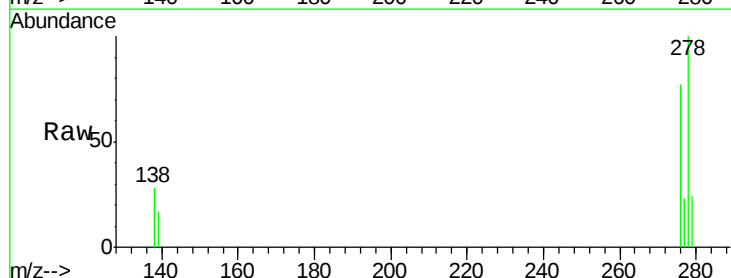
Tgt Ion:278 Resp: 212957

Ion Ratio Lower Upper

278 100

139 16.6 14.6 22.0

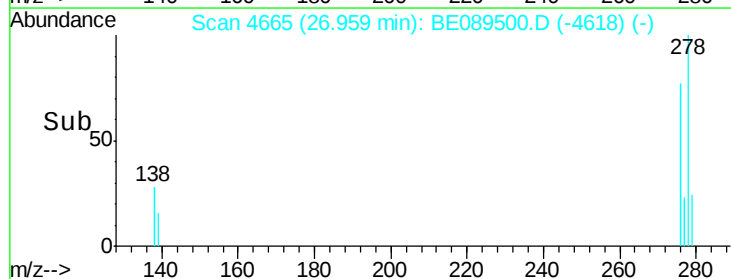
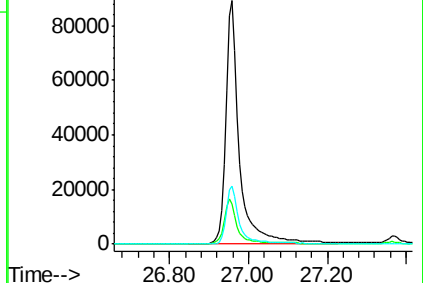
279 23.9 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#27
 Benzo(a,h,i)perylene
 Concen: 8.47 ng
 RT: 27.36 min Scan# 4727
 Delta R.T. 0.01 min
 Lab File: BE089500.D
 Acq: 5 Feb 2015 11:22

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.7	18.6	28.0
138	26.1	20.8	31.2

