

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 02:48:02 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

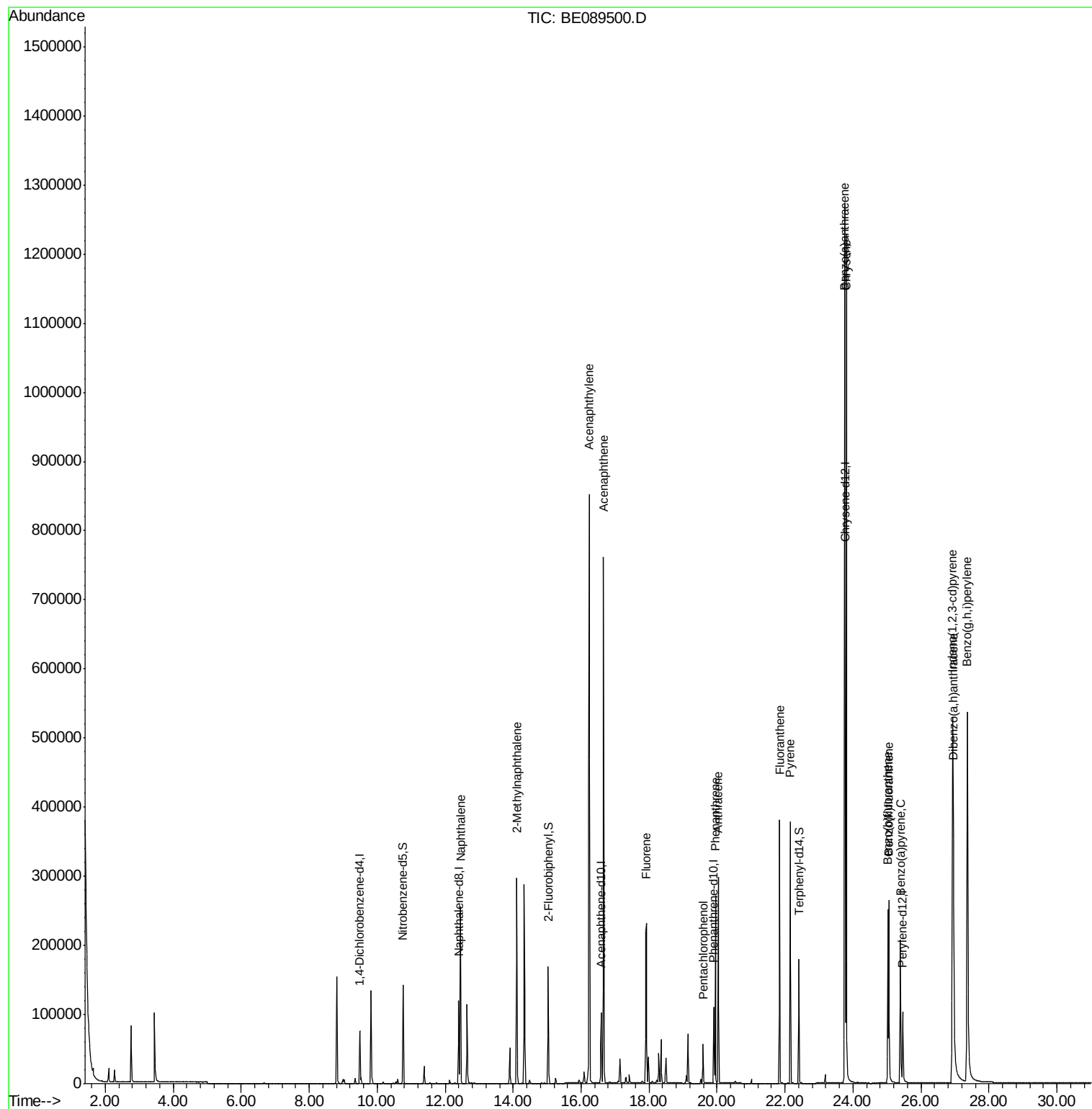
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.49	152	32492	5.00	ng	0.00
2) Naphthalene-d8	12.40	136	130117	5.00	ng	0.00
6) Acenaphthene-d10	16.59	164	57316	5.00	ng	0.00
11) Phenanthrene-d10	19.91	188	106381	5.00	ng	0.00
16) Chrysene-d12	23.77	240	103186	5.00	ng	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						Qvalue
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(g,h,i)perylene	27.36	276	813417	8.47	ng	99

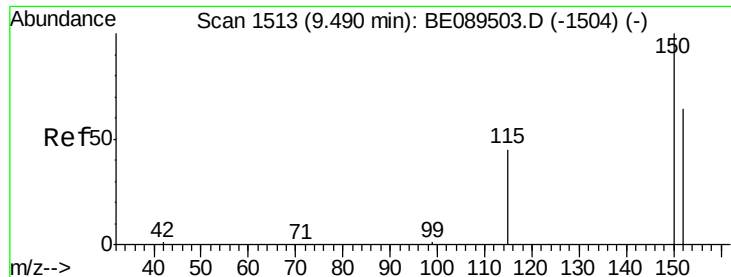
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 02:48:02 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





#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

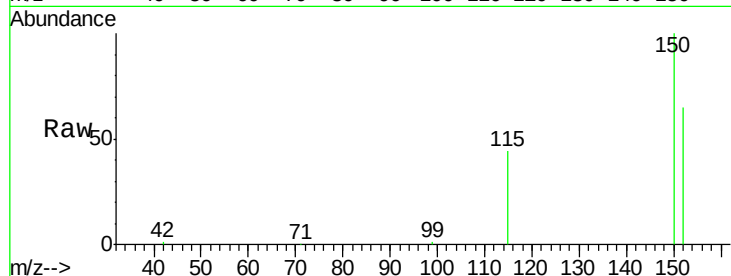
Tgt Ion:152 Resp: 32492

Ion Ratio Lower Upper

152 100

150 154.2 125.0 187.6

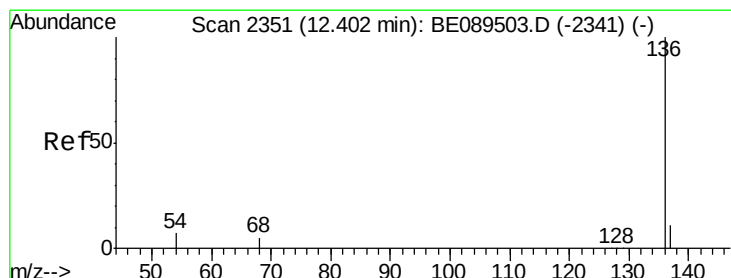
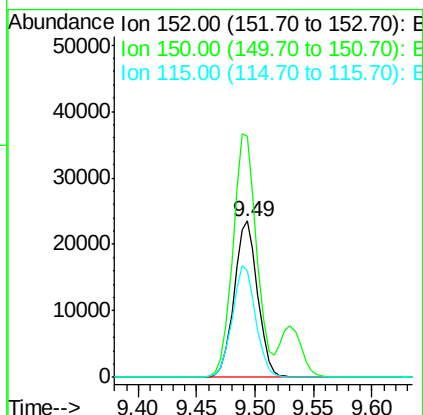
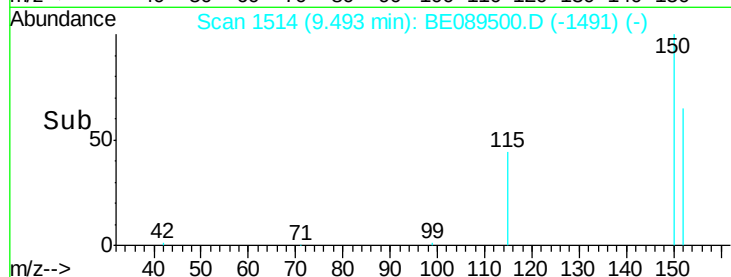
115 68.2 56.6 85.0



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

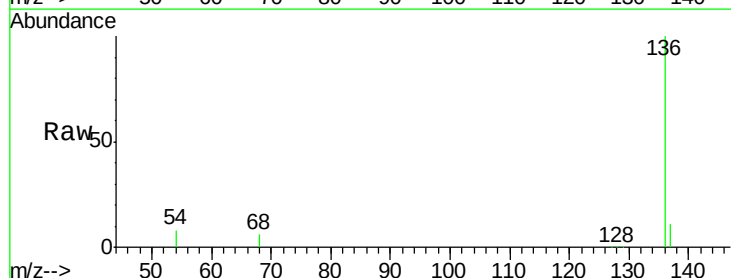
Tgt Ion:136 Resp: 130117

Ion Ratio Lower Upper

136 100

137 10.5 8.6 12.8

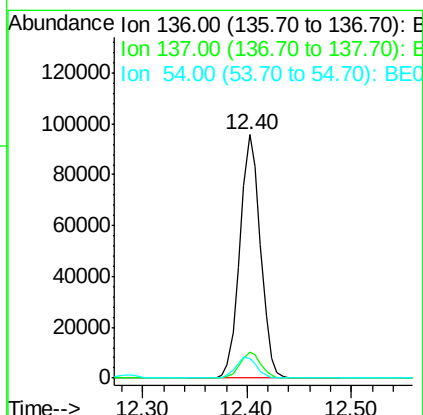
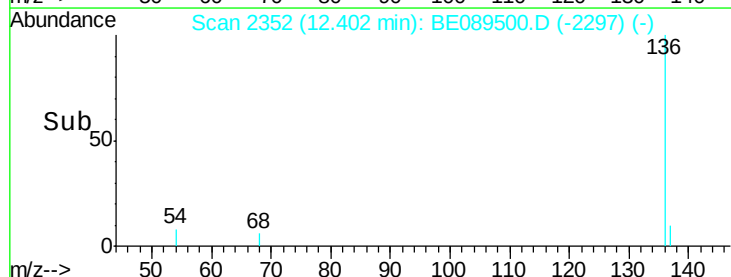
54 8.3 6.0 9.0

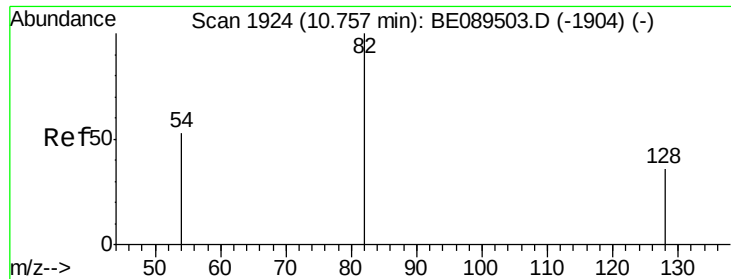


Abundance Ion 136.00 (135.70 to 136.70): E

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

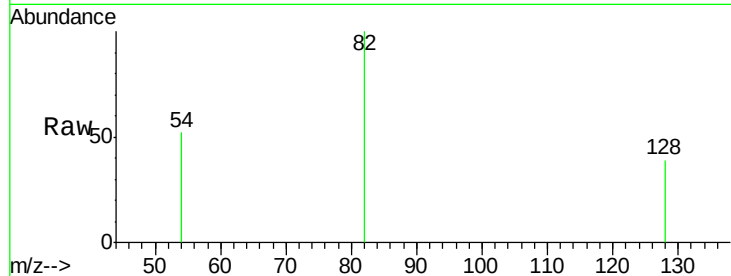
Tgt Ion: 82 Resp: 98616

Ion Ratio Lower Upper

82 100

128 39.4 29.3 43.9

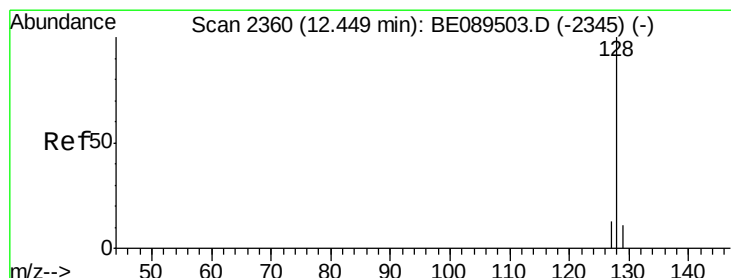
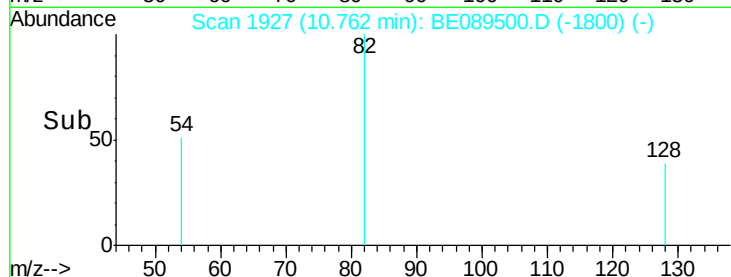
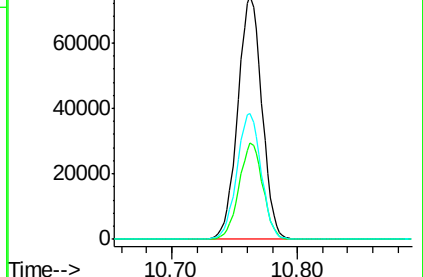
54 51.7 42.6 64.0



Abundance Ion 82.00 (81.70 to 82.70): BE089500.D (-1800) (-)

Ion 128.00 (127.70 to 128.70): BE089500.D (-1800) (-)

Ion 54.00 (53.70 to 54.70): BE089500.D (-1800) (-)



#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

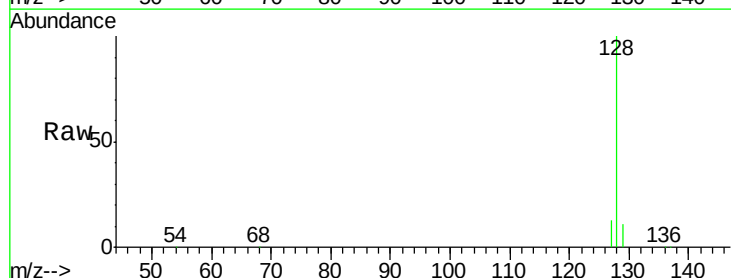
Tgt Ion: 128 Resp: 284585

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

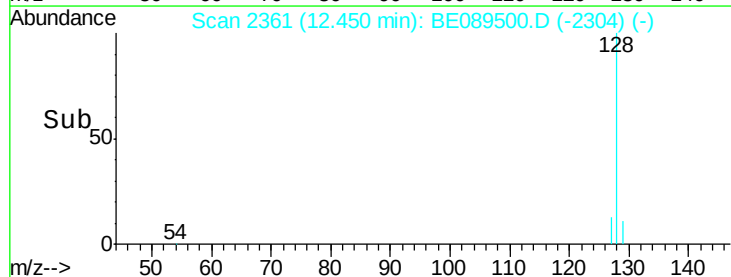
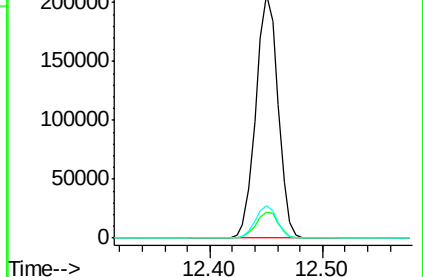
127 13.1 10.3 15.5

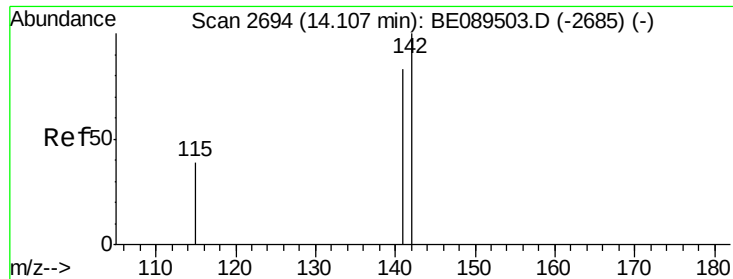


Abundance Ion 128.00 (127.70 to 128.70): BE089500.D (-2304) (-)

Ion 129.00 (128.70 to 129.70): BE089500.D (-2304) (-)

Ion 127.00 (126.70 to 127.70): BE089500.D (-2304) (-)





#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

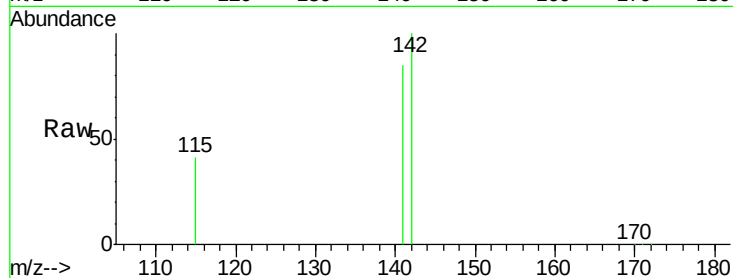
Tgt Ion:142 Resp: 176973

Ion Ratio Lower Upper

142 100

141 85.3 66.3 99.5

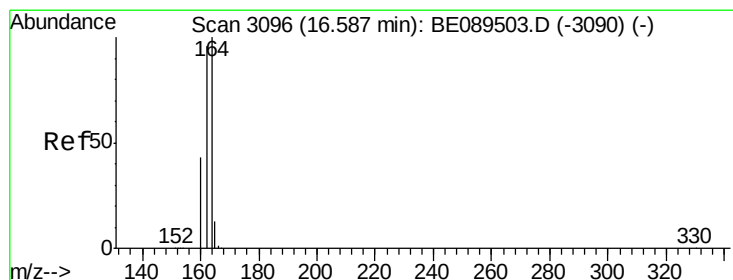
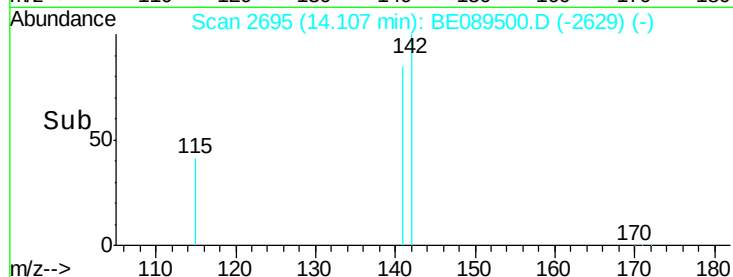
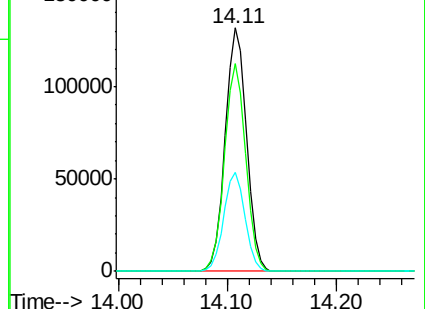
115 40.6 31.1 46.7



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

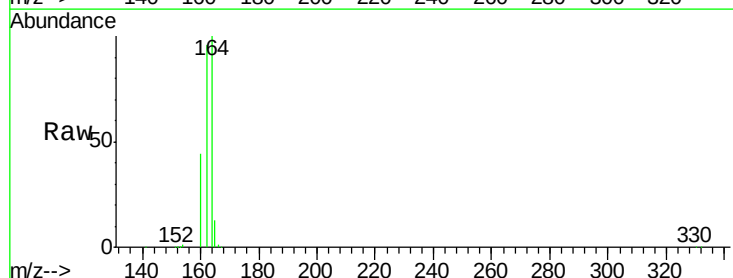
Tgt Ion:164 Resp: 57316

Ion Ratio Lower Upper

164 100

162 96.3 76.6 115.0

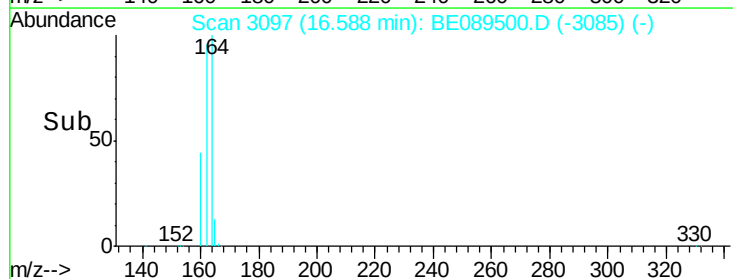
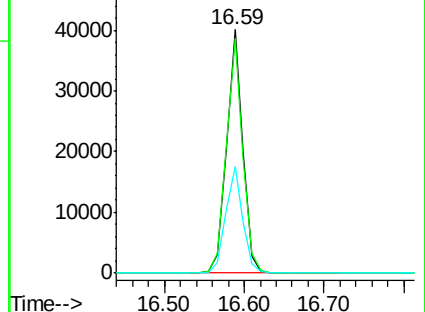
160 43.8 34.6 52.0

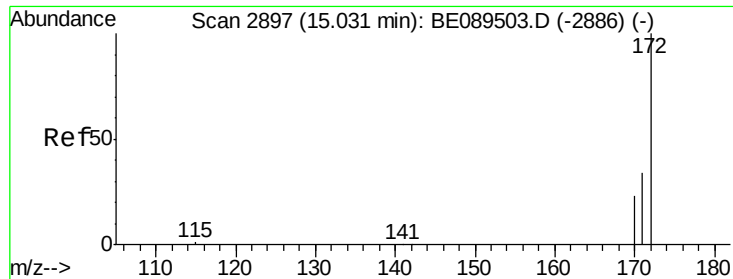


Abundance Ion 164.00 (163.70 to 164.70): E

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 :

SSTDICC010

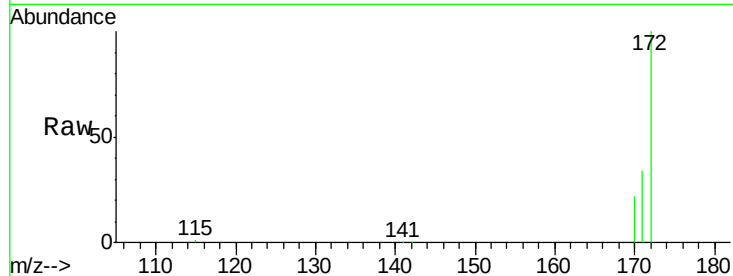
Tgt Ion:172 Resp: 148535

Ion Ratio Lower Upper

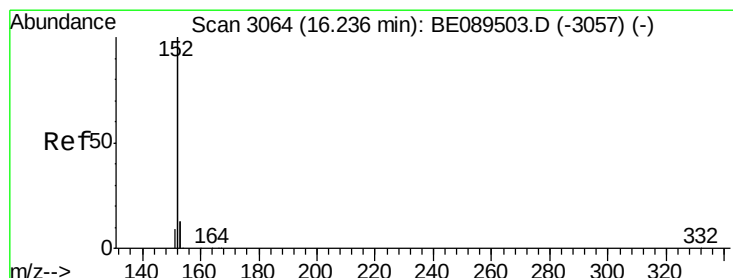
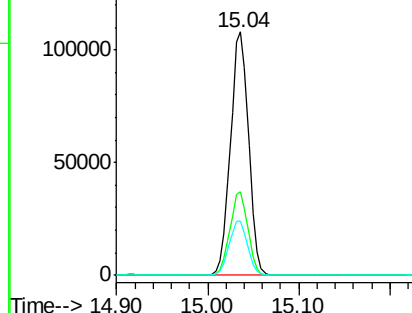
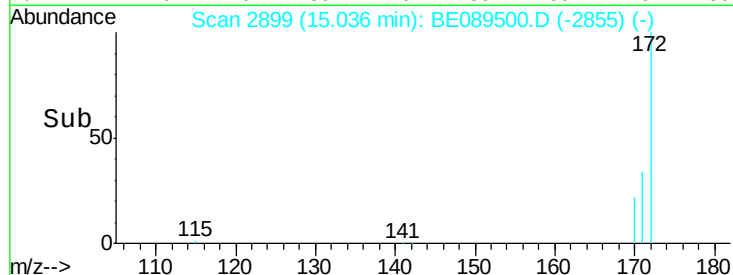
172 100

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

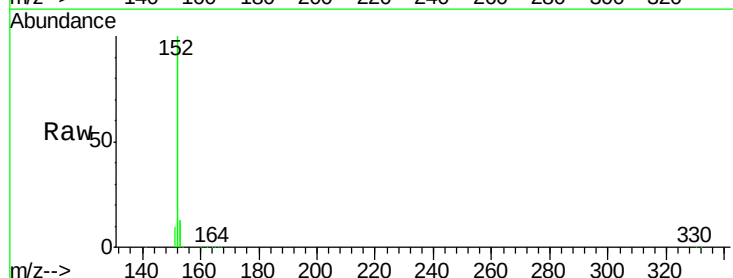
Tgt Ion:152 Resp: 1056604

Ion Ratio Lower Upper

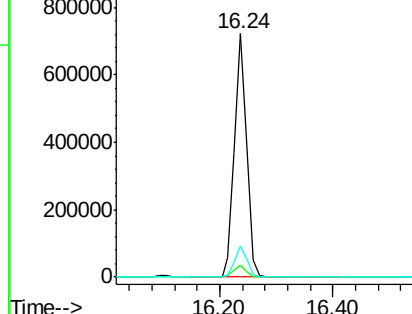
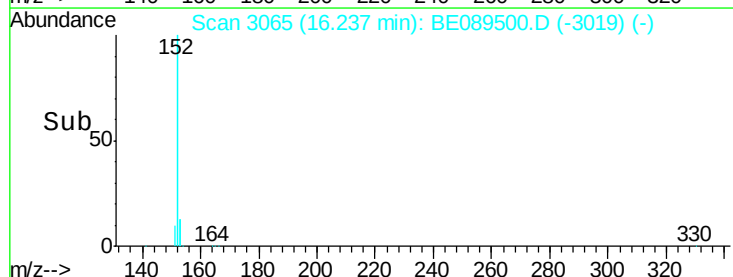
152 100

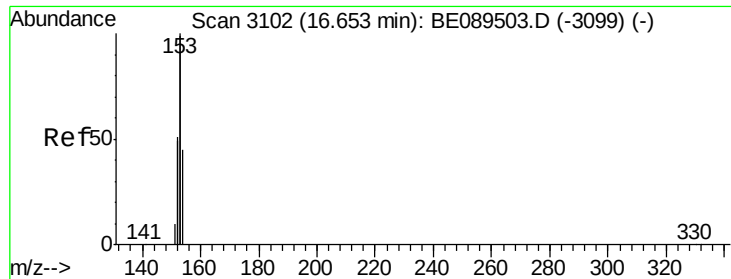
151 4.9 3.9 5.9

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

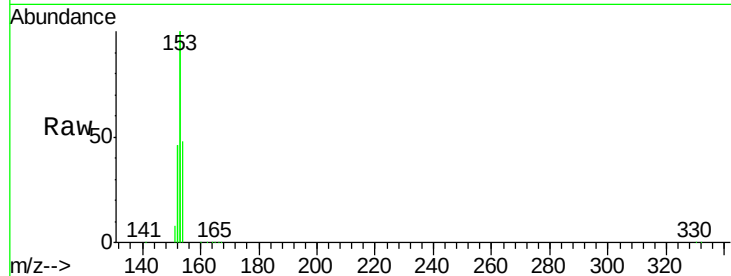
Tgt Ion:154 Resp: 151651

Ion Ratio Lower Upper

154 100

153 429.5 341.5 512.3

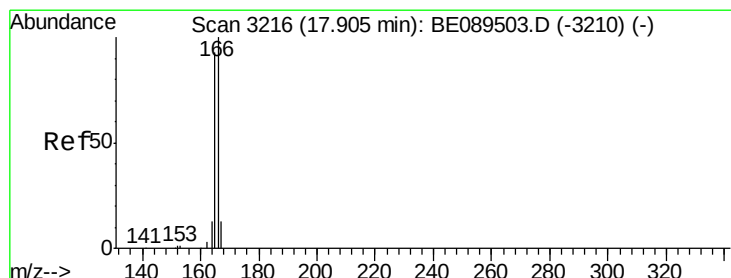
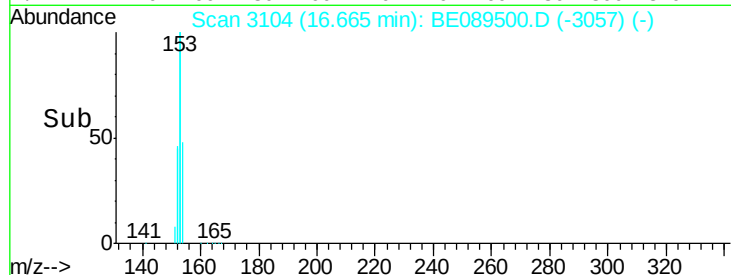
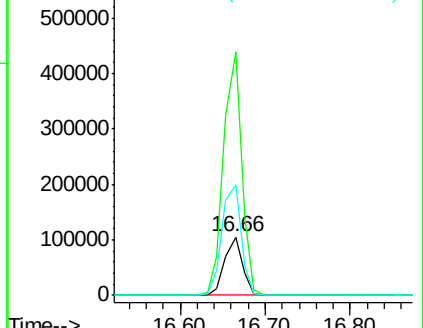
152 207.2 166.6 249.8



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

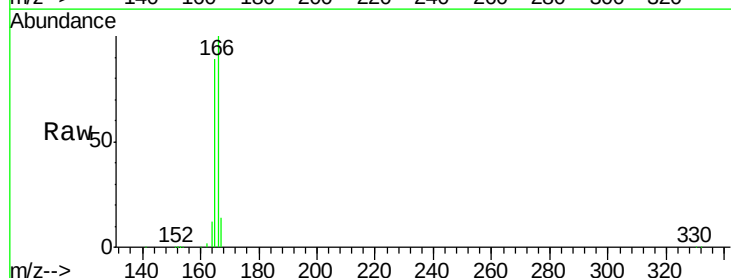
Tgt Ion:166 Resp: 172553

Ion Ratio Lower Upper

166 100

165 92.8 73.6 110.4

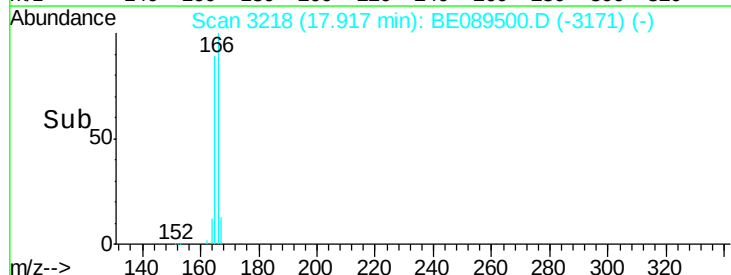
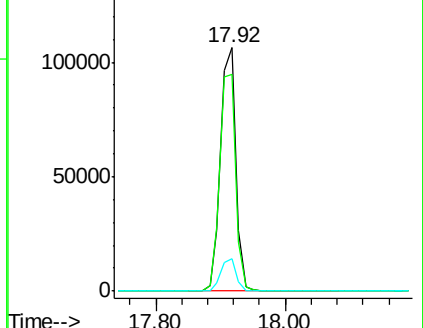
167 13.2 10.6 15.8

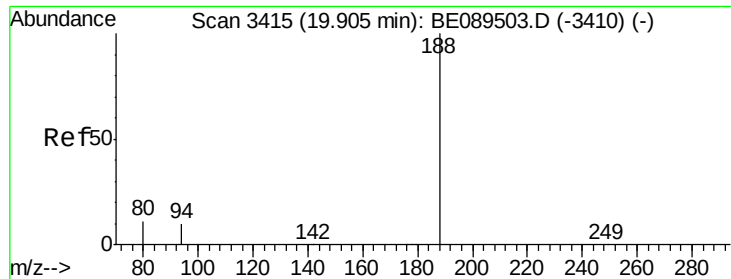


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

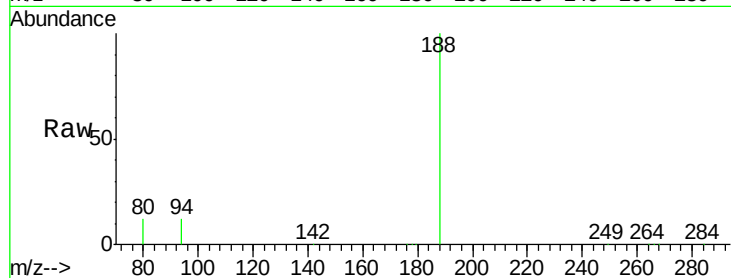




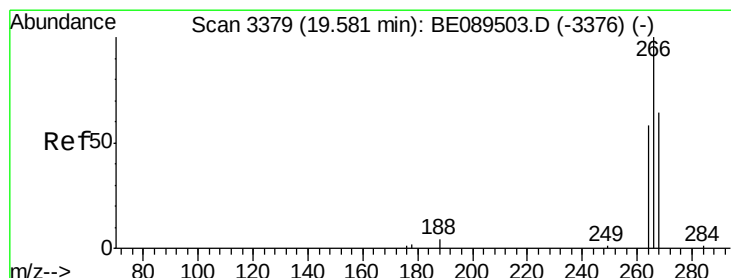
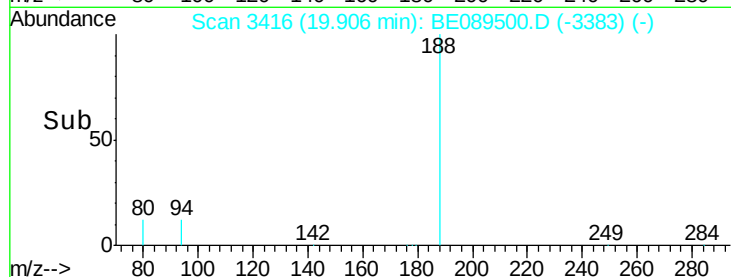
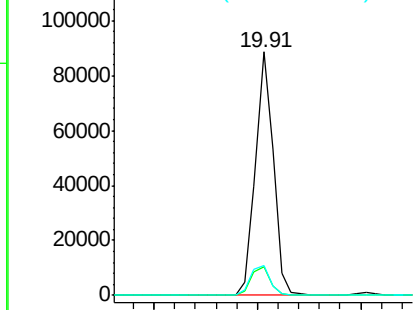
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.91 min Scan# 3416
Delta R.T. 0.00 min
Lab File: BE089500.D
Acq: 5 Feb 2015 11:22

Instrument :
BNA_E
LabSampleId :
SSTDICC010

Tgt Ion:188 Resp: 106381
Ion Ratio Lower Upper
188 100
94 11.9 8.2 12.4
80 12.2 8.7 13.1

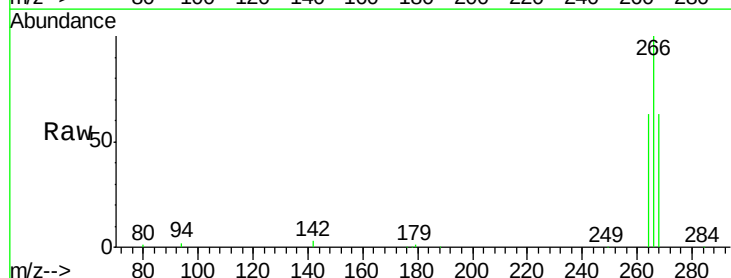


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

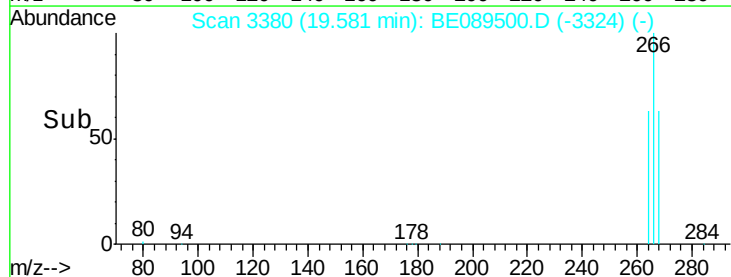
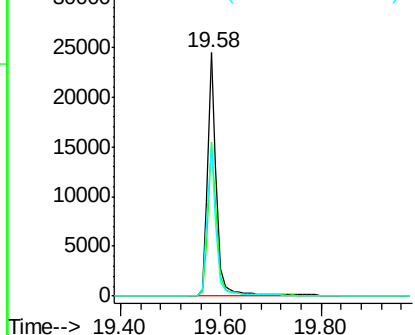


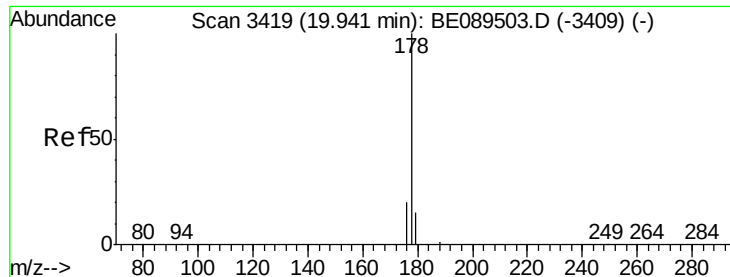
#12
Pentachlorophenol
Concen: 28.40 ng
RT: 19.58 min Scan# 3380
Delta R.T. 0.00 min
Lab File: BE089500.D
Acq: 5 Feb 2015 11:22

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

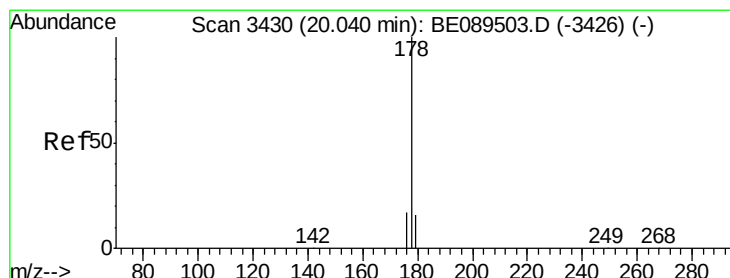
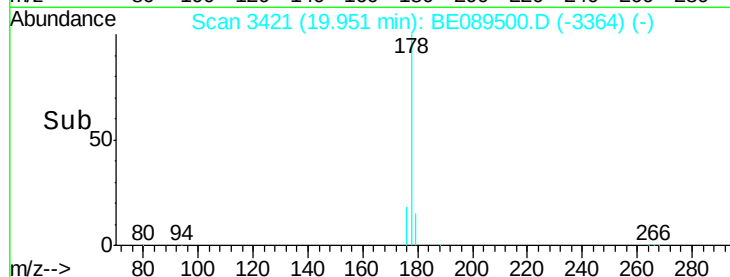
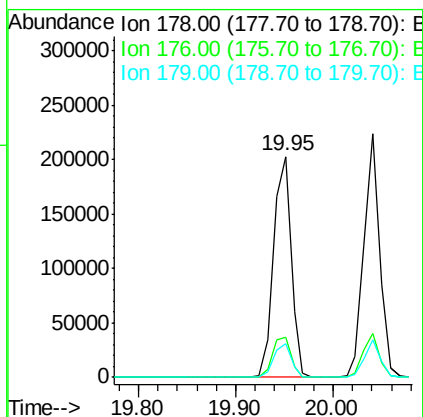
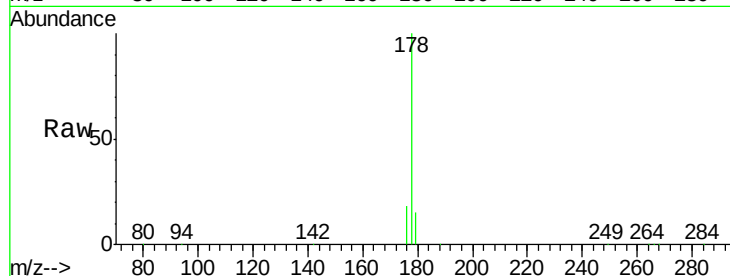




#13
Phenanthrene
Concen: 7.89 ng
RT: 19.95 min Scan# 3421
Delta R.T. 0.01 min
Lab File: BE089500.D
Acq: 5 Feb 2015 11:22

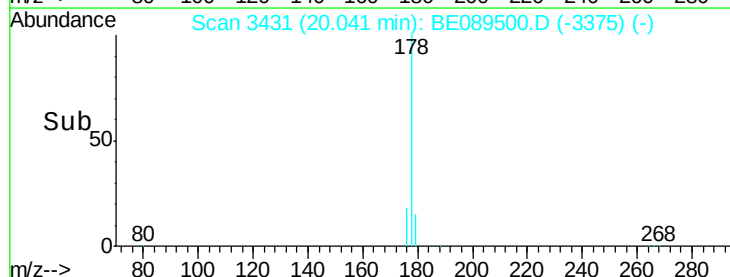
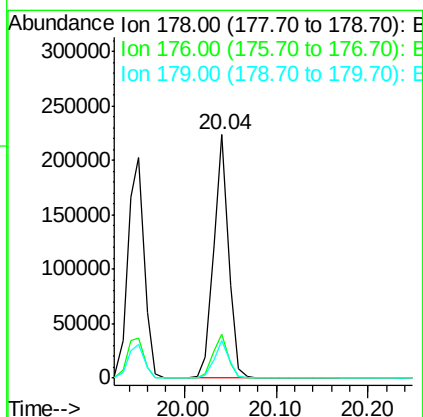
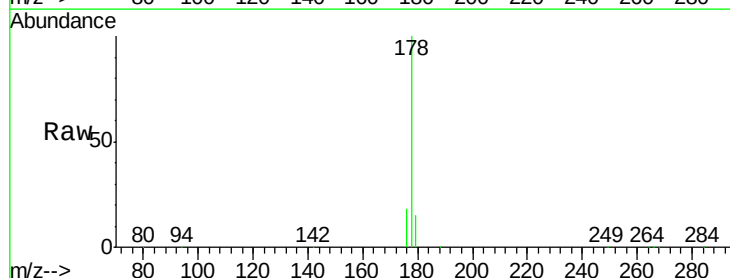
Instrument :
BNA_E
LabSampleId :
SSTDIC010

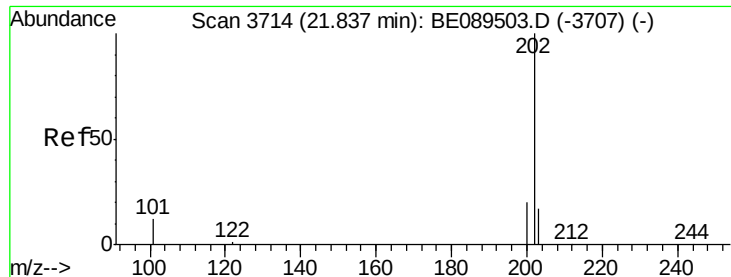
Tgt Ion:178 Resp: 254975
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.2 12.4 18.6



#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

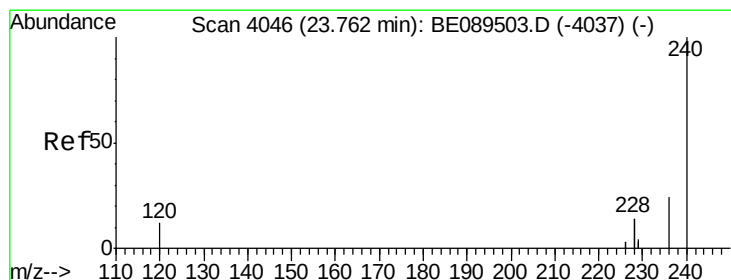
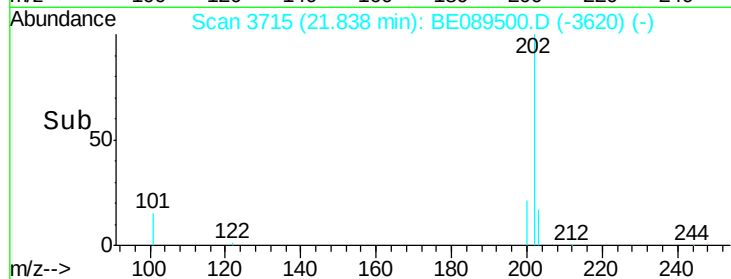
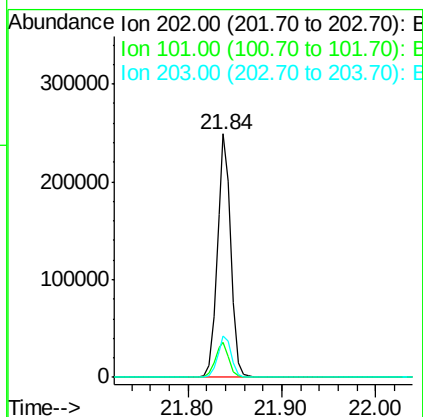
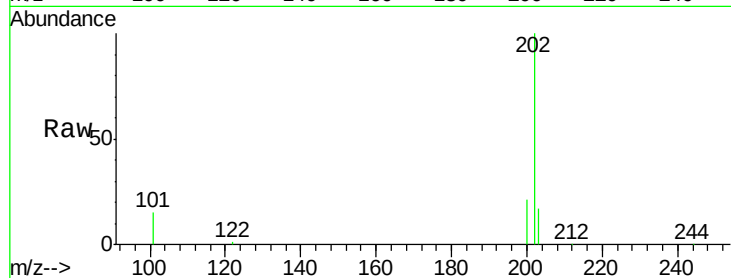




#15
 Fluoranthene
 Concen: 8.19 ng
 RT: 21.84 min Scan# 3715
 Delta R.T. 0.00 min
 Lab File: BE089500.D
 Acq: 5 Feb 2015 11:22

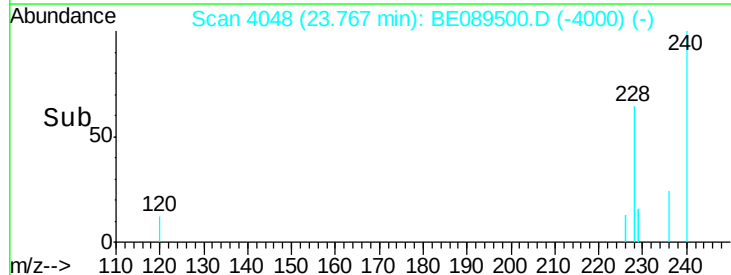
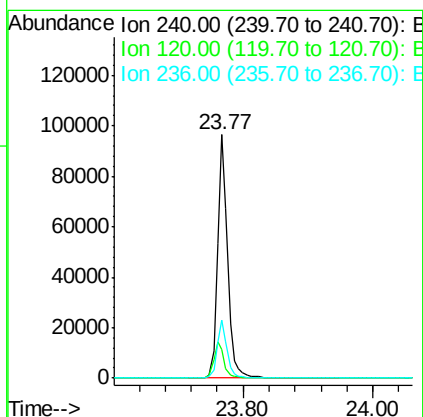
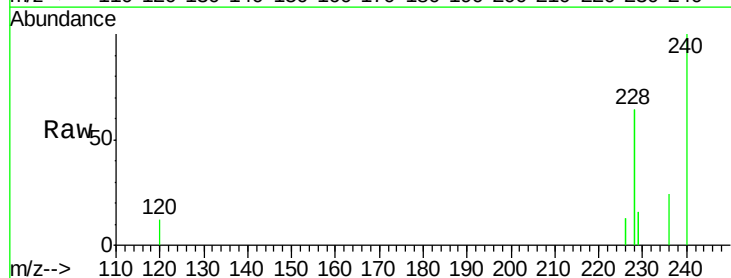
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

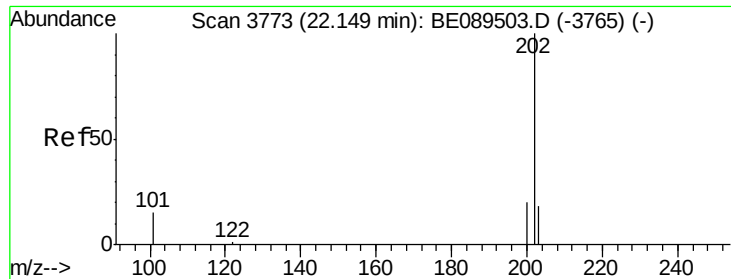
Tgt Ion: 202 Resp: 252690
 Ion Ratio Lower Upper
 202 100
 101 14.6 11.3 16.9
 203 17.3 13.8 20.6



#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: 240 Resp: 103186
 Ion Ratio Lower Upper
 240 100
 120 11.7 9.6 14.4
 236 24.0 19.4 29.2

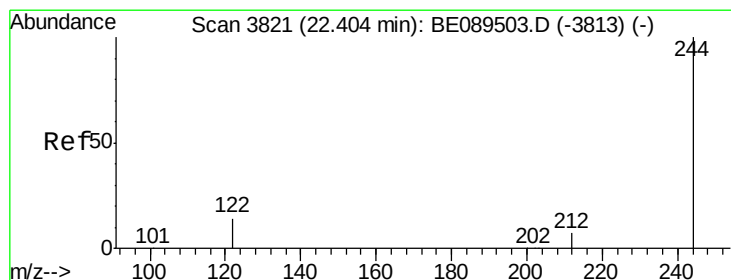
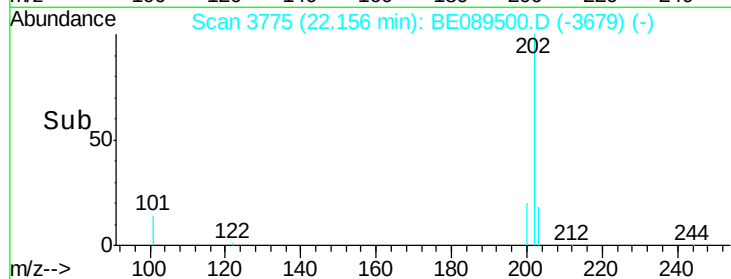
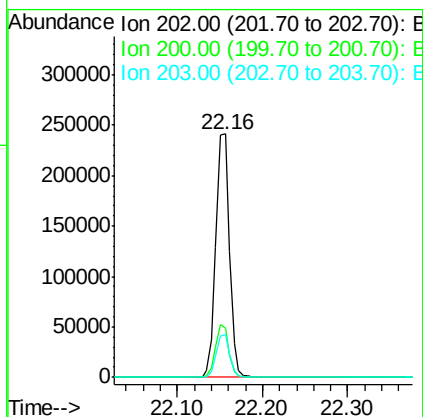
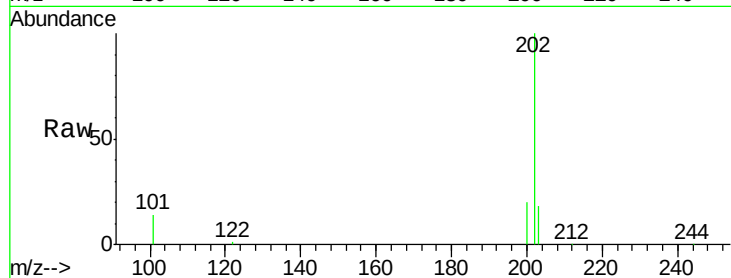




#17
 Pyrene
 Concen: 8.93 ng
 RT: 22.16 min Scan# 3775
 Delta R.T. 0.01 min
 Lab File: BE089500.D
 Acq: 5 Feb 2015 11:22

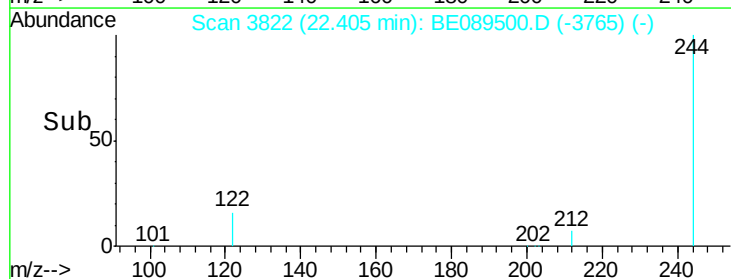
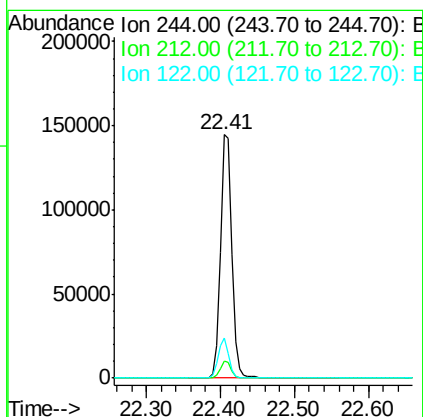
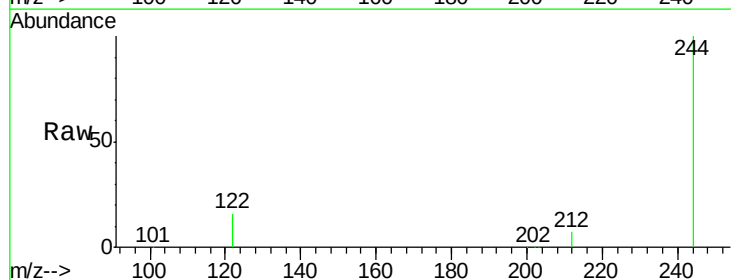
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

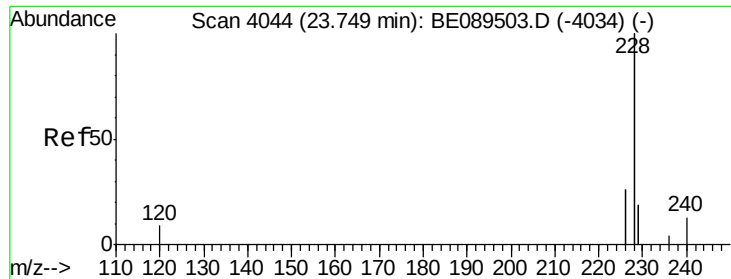
Tgt Ion: 202 Resp: 263290
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.5 24.7
 203 17.3 14.0 21.0



#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

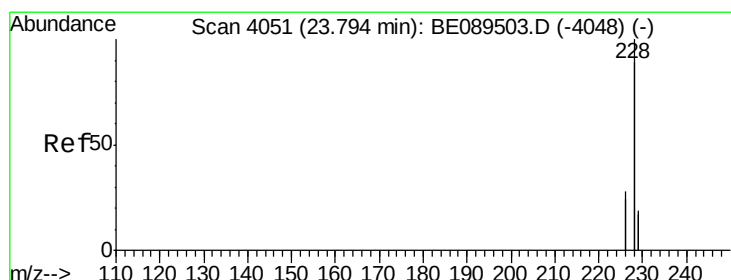
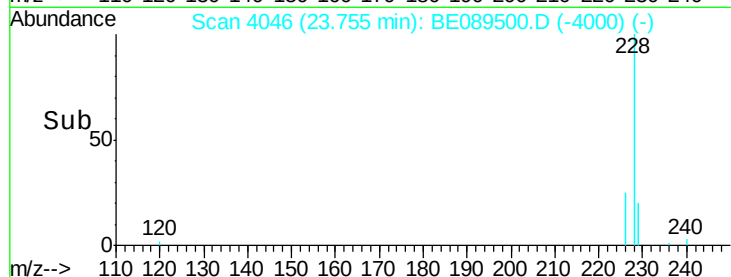
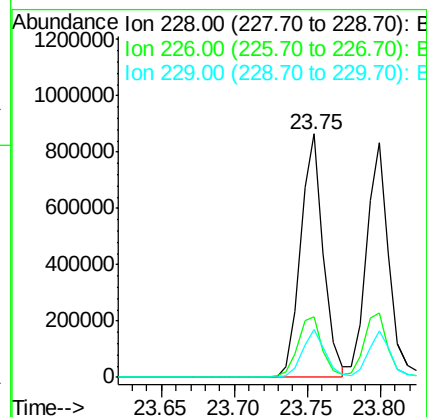
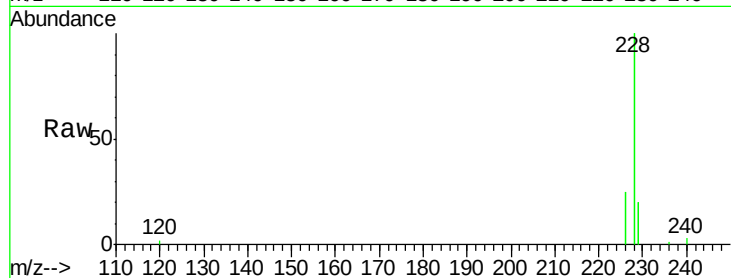
Tgt Ion:228 Resp: 924858

Ion Ratio Lower Upper

228 100

226 24.9 21.0 31.6

229 19.9 15.5 23.3



#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

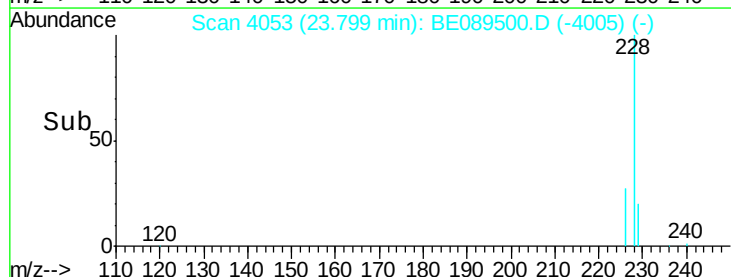
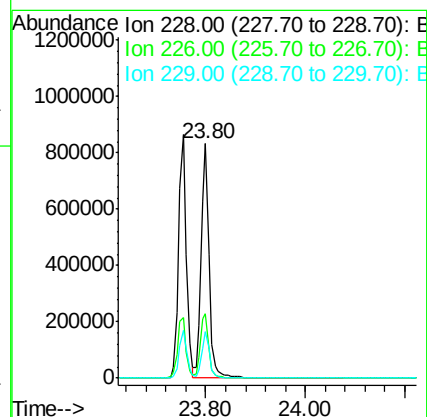
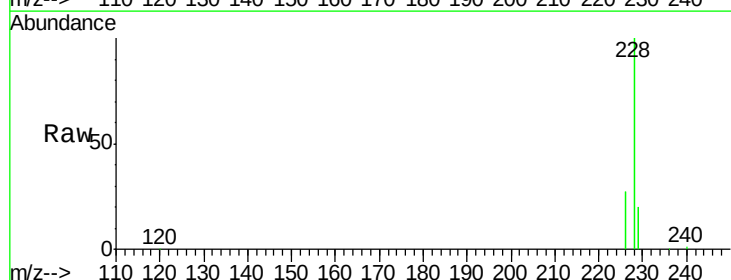
Tgt Ion:228 Resp: 916114

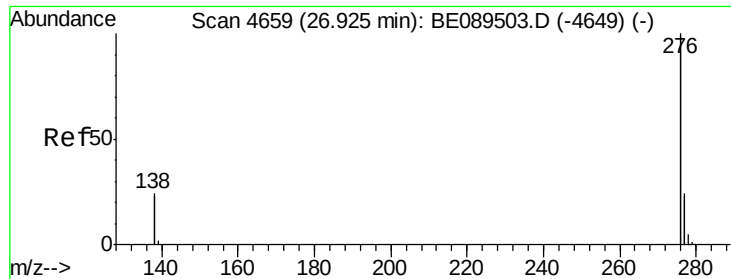
Ion Ratio Lower Upper

228 100

226 27.4 22.3 33.5

229 19.8 15.4 23.0





#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 :

SSTDICC010

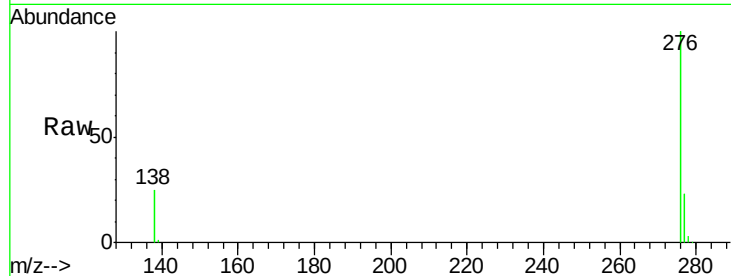
Tgt Ion: 276 Resp: 992942

Ion Ratio Lower Upper

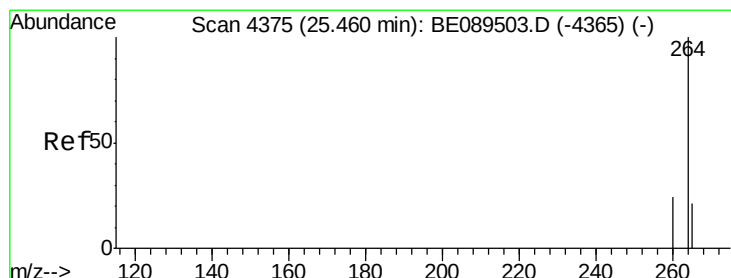
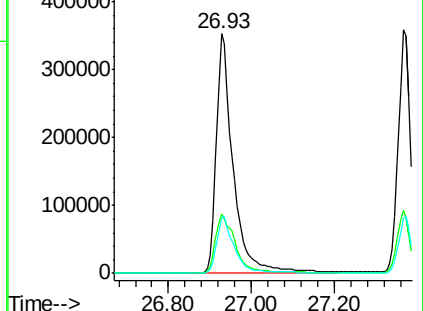
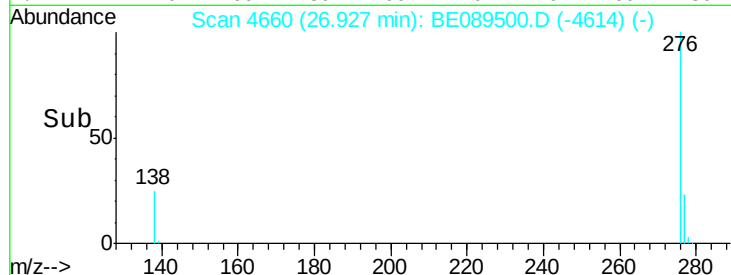
276 100

138 29.2 23.2 34.8

277 25.1 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

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

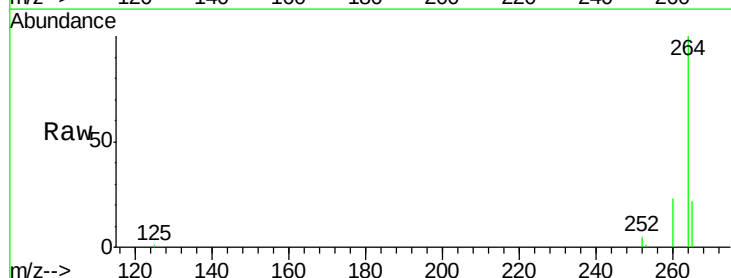
Tgt Ion: 264 Resp: 93582

Ion Ratio Lower Upper

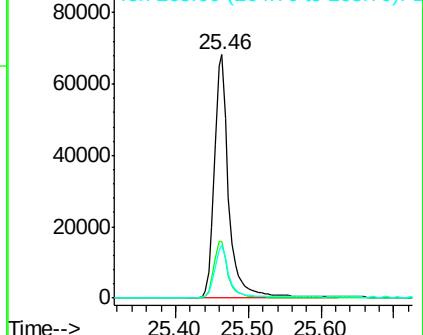
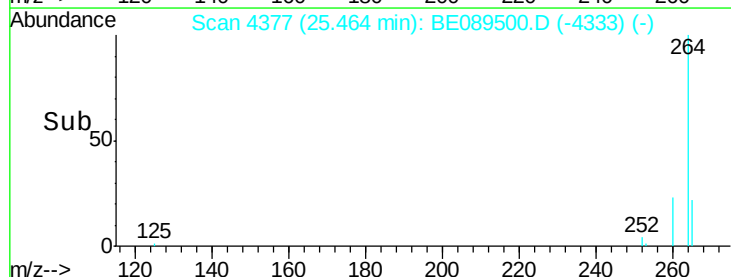
264 100

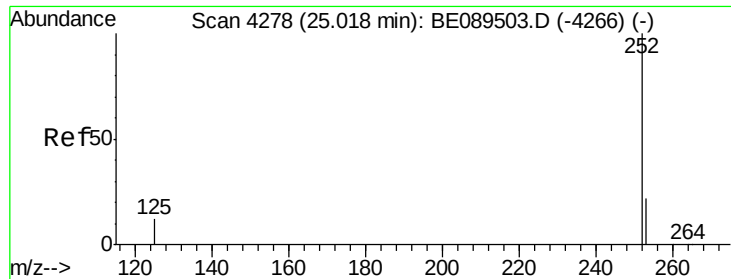
260 23.3 19.0 28.6

265 21.9 17.0 25.6



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: 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

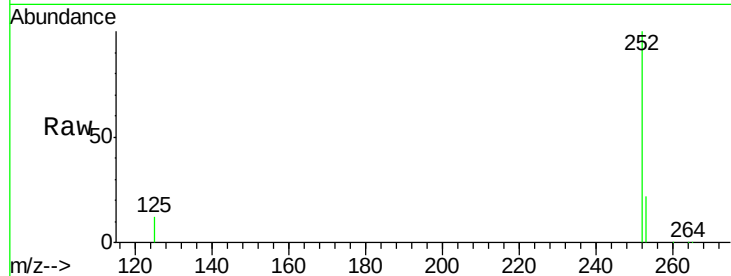
Tgt Ion:252 Resp: 201414

Ion Ratio Lower Upper

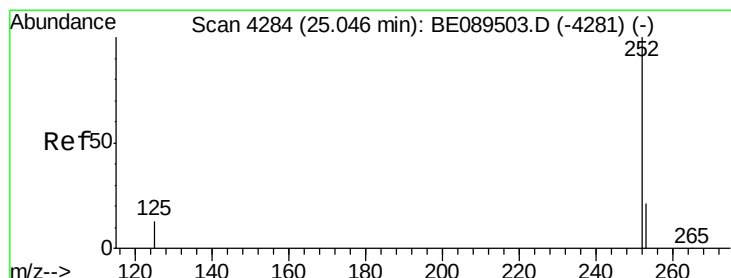
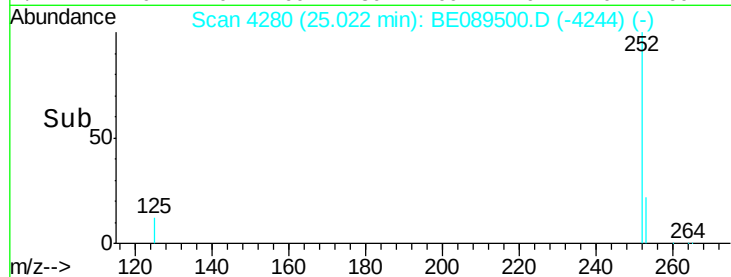
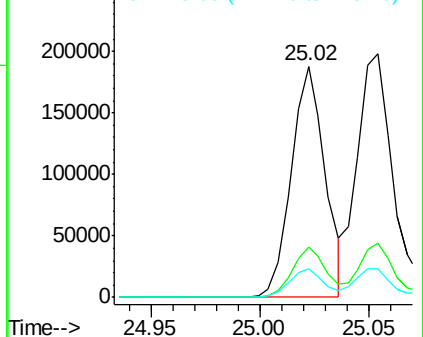
252 100

253 21.7 17.4 26.0

125 12.2 9.6 14.4



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: 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

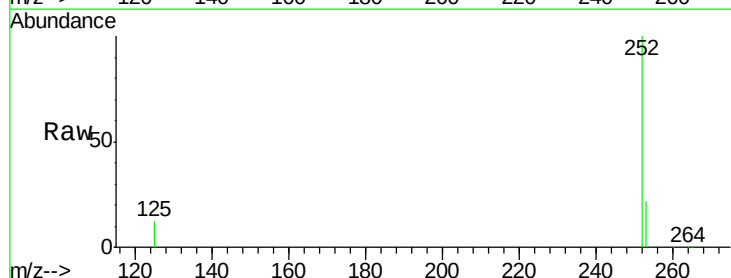
Tgt Ion:252 Resp: 248181

Ion Ratio Lower Upper

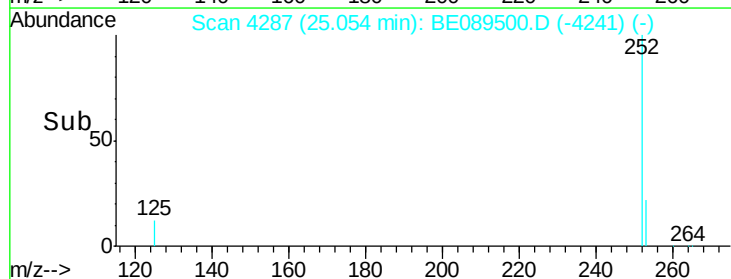
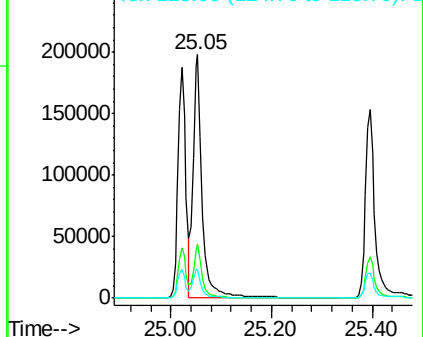
252 100

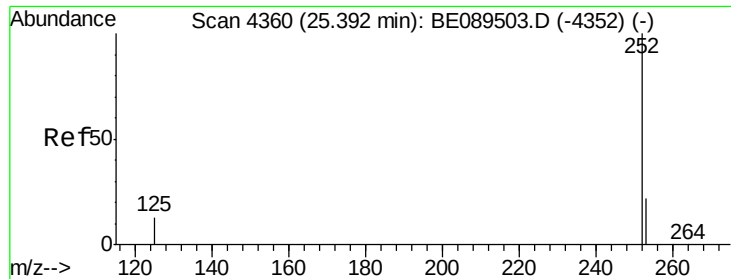
253 22.2 17.0 25.6

125 11.7 10.2 15.4



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

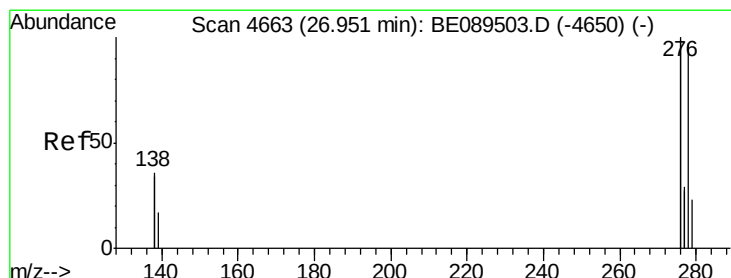
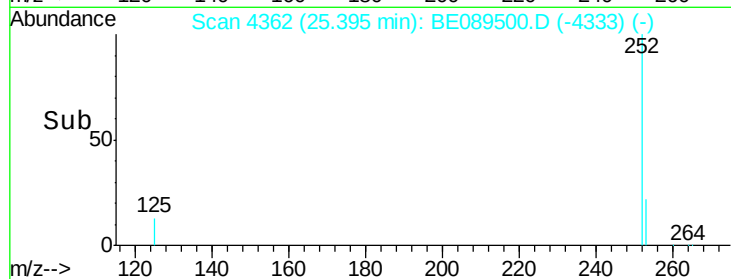
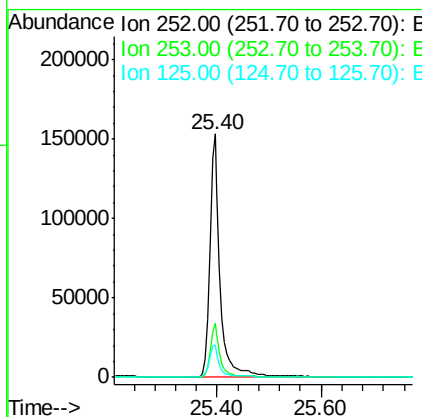
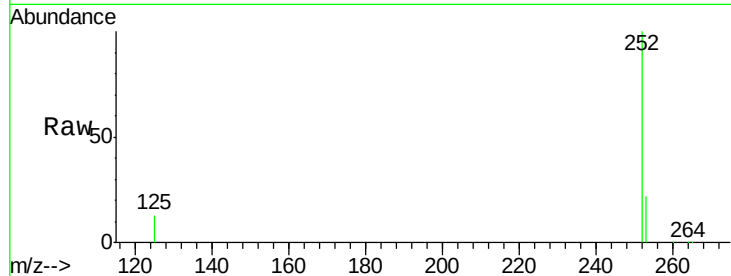




#25
Benzo(a)pyrene
Concen: 9.42 ng
RT: 25.40 min Scan# 4362
Delta R.T. 0.00 min
Lab File: BE089500.D
Acq: 5 Feb 2015 11:22

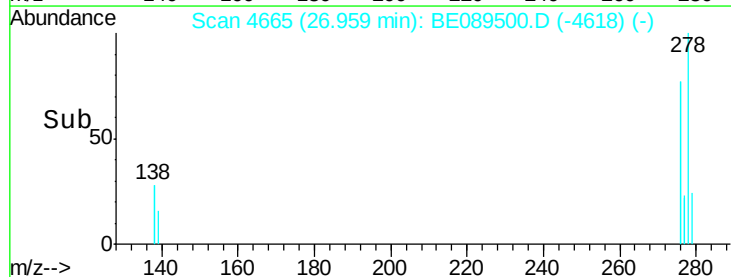
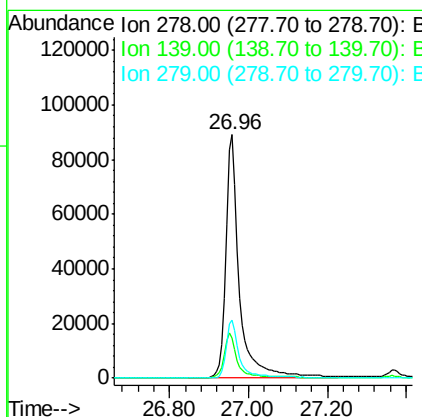
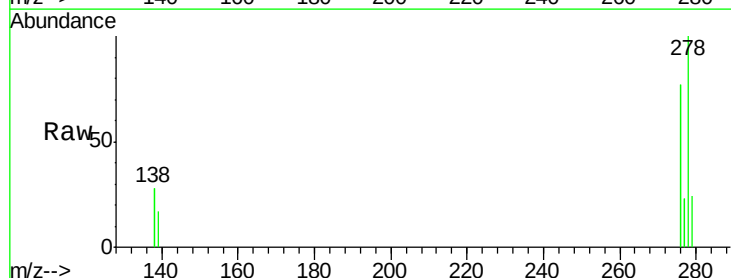
Instrument :
BNA_E
LabSampleId :
SSTDIC010

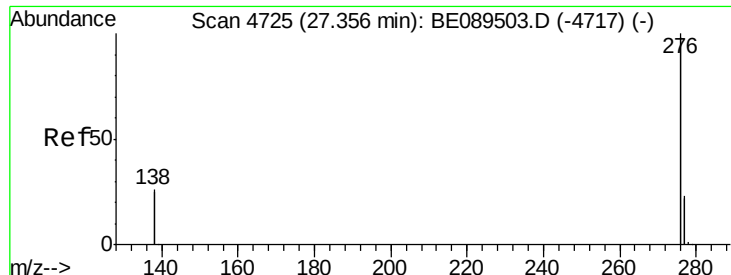
Tgt Ion: 252 Resp: 207638
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 13.2 10.7 16.1



#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





#27

Benzo(g,h,i)perylene

Concen: 8.47 ng

RT: 27.36 min Scan# 4727

Delta R.T. 0.01 min

Lab File: BE089500.D

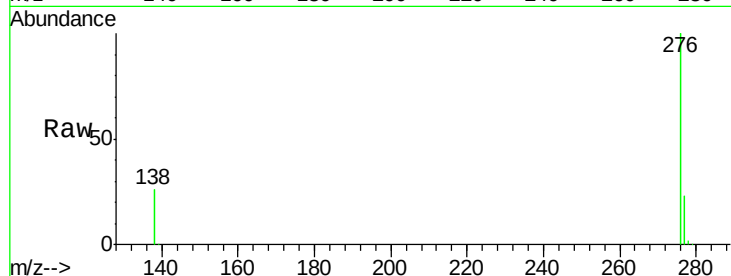
Acq: 5 Feb 2015 11:22

Instrument :

BNA_E

LabSampleId :

SSTDIC010



Tgt Ion: 276 Resp: 813417

Ion Ratio Lower Upper

276 100

277 22.7 18.6 28.0

138 26.1 20.8 31.2

