

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020515\
 Data File : BE089502.D
 Acq On : 5 Feb 2015 12:39
 Operator : TP/IZ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

Quant Time: Feb 06 02:48:45 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

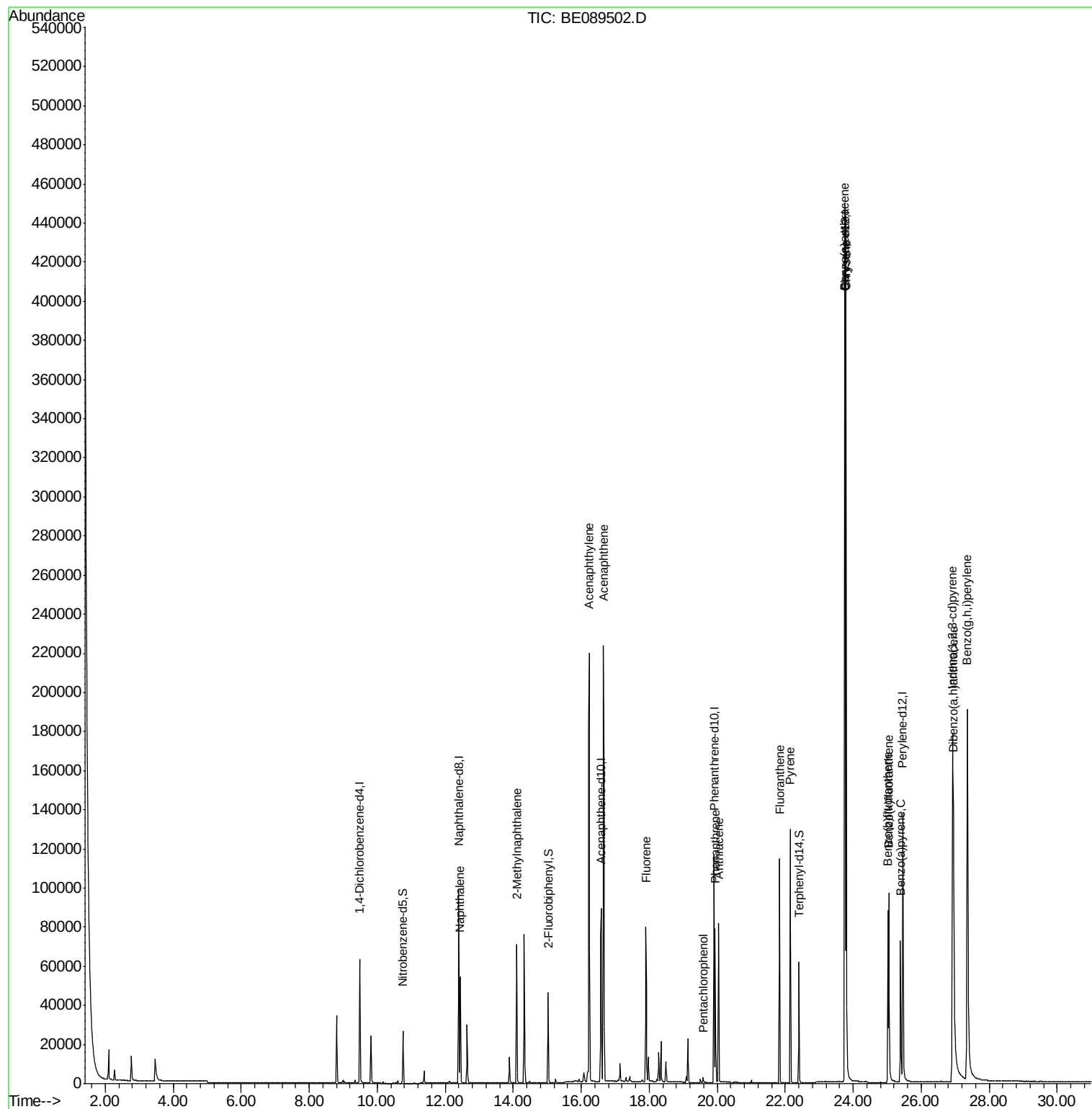
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.49	152	26390	5.00	ng	0.00
2) Naphthalene-d8	12.40	136	112274	5.00	ng	0.00
6) Acenaphthene-d10	16.59	164	55379	5.00	ng	0.00
11) Phenanthrene-d10	19.90	188	110897	5.00	ng	0.00
16) Chrysene-d12	23.76	240	121574	5.00	ng	0.00
22) Perylene-d12	25.46	264	119864	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.76	82	18859	2.20	ng	0.00
7) 2-Fluorobiphenyl	15.03	172	40205	2.30	ng	0.00
18) Terphenyl-d14	22.41	244	51134	2.42	ng	0.00
Target Compounds						Ovalue
4) Naphthalene	12.45	128	60808	2.15	ng	100
5) 2-Methylnaphthalene	14.11	142	43774	2.36	ng	100
8) Acenaphthylene	16.24	152	290044	2.44	ng	100
9) Acenaphthene	16.65	154	43231	2.37	ng	99
10) Fluorene	17.91	166	50774	2.50	ng	98
12) Pentachlorophenol	19.58	266	1359	1.25	ng	96
13) Phenanthrene	19.94	178	79428	2.36	ng	99
14) Anthracene	20.04	178	74513	2.47	ng	100
15) Fluoranthene	21.83	202	79853	2.48	ng	100
17) Pyrene	22.15	202	84735	2.44	ng	100
19) Benzo(a)anthracene	23.75	228	325801	2.44	ng	99
20) Chrysene	23.79	228	326418	2.38	ng	98
21) Indeno(1,2,3-cd)pyrene	26.93	276	375082	2.63	ng	99
23) Benzo(b)fluoranthene	25.02	252	75817	2.72	ng	99
24) Benzo(k)fluoranthene	25.05	252	92794	2.43	ng	98
25) Benzo(a)pyrene	25.39	252	72350	2.56	ng	99
26) Dibenzo(a,h)anthracene	26.95	278	80158	2.66	ng	99
27) Benzo(a,h,i)perylene	27.36	276	309783	2.52	ng	100

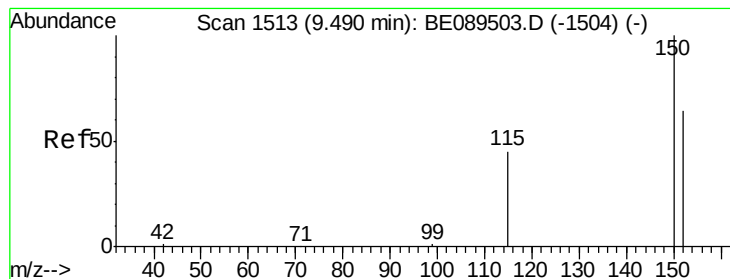
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.49 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE089502.D

Acq: 5 Feb 2015 12:39

Instrument :

BNA_E

LabSampleId :

SSTDICC002

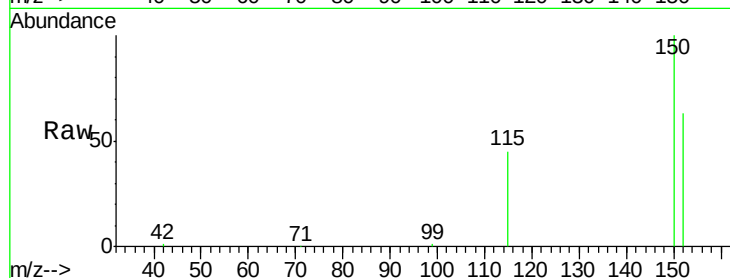
Tot Ion:152 Resp: 26390

Ion Ratio Lower Upper

152 100

150 158.4 125.0 187.6

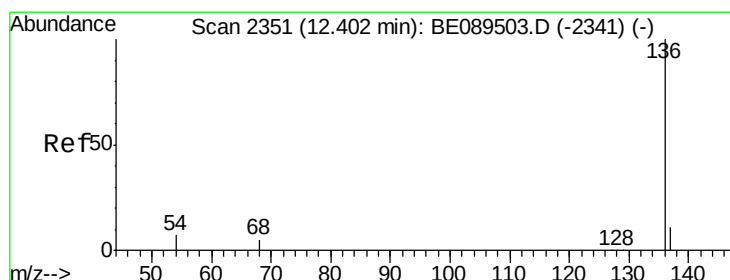
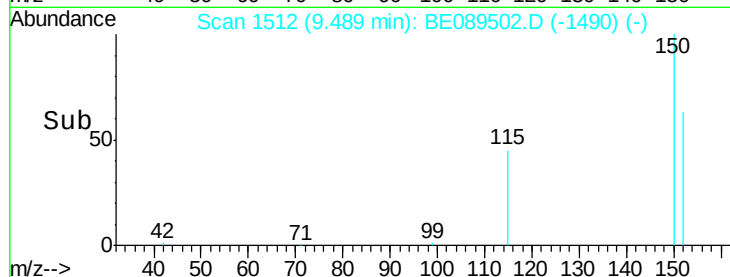
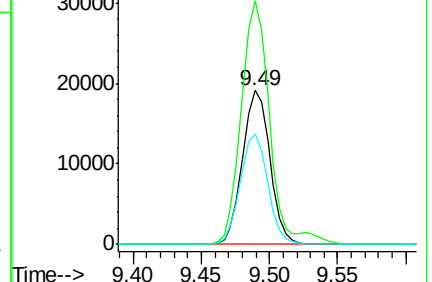
115 71.7 56.6 85.0



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# 2350

Delta R.T. -0.00 min

Lab File: BE089502.D

Acq: 5 Feb 2015 12:39

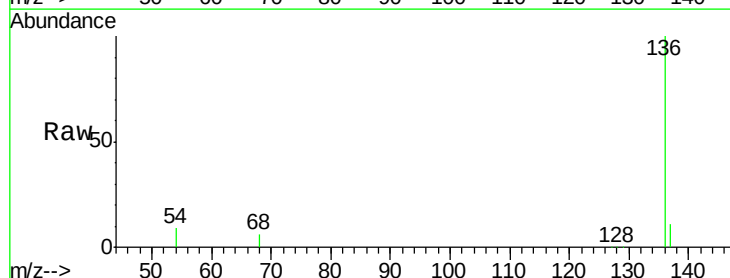
Tgt Ion:136 Resp: 112274

Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

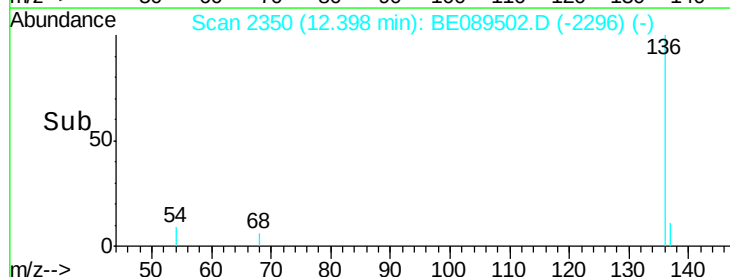
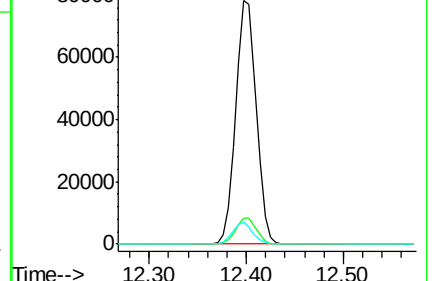
54 8.9 6.0 9.0

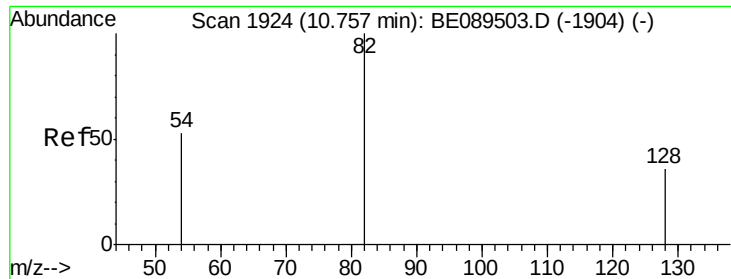


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 2.20 ng

RT: 10.76 min Scan# 1924

Delta R.T. 0.00 min

Lab File: BE089502.D

Acq: 5 Feb 2015 12:39

Instrument :

BNA_E

LabSampleId :

SSTDICC002

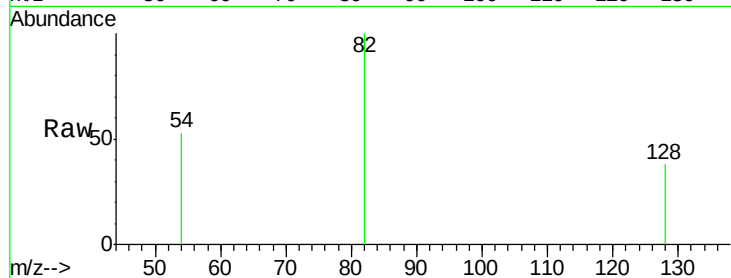
Tot Ion: 82 Resp: 18859

Ion Ratio Lower Upper

82 100

128 37.6 29.3 43.9

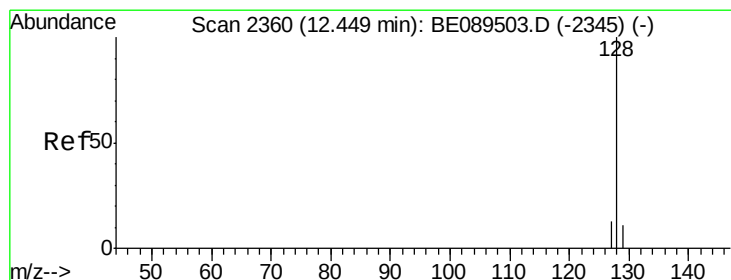
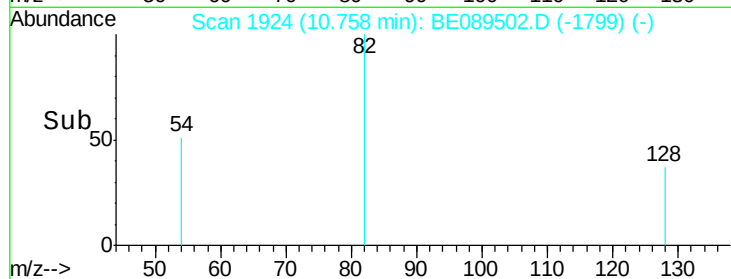
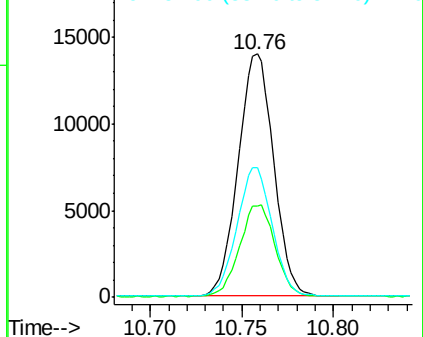
54 53.1 42.6 64.0



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: 2.15 ng

RT: 12.45 min Scan# 2359

Delta R.T. -0.00 min

Lab File: BE089502.D

Acq: 5 Feb 2015 12:39

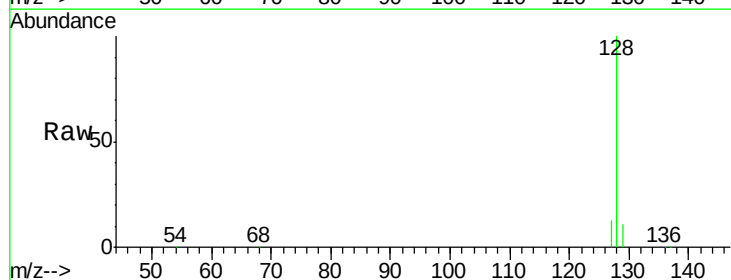
Tgt Ion: 128 Resp: 60808

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

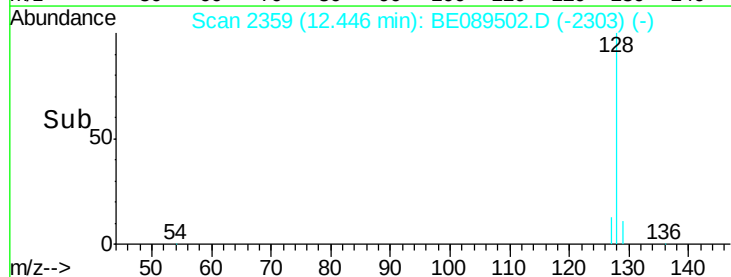
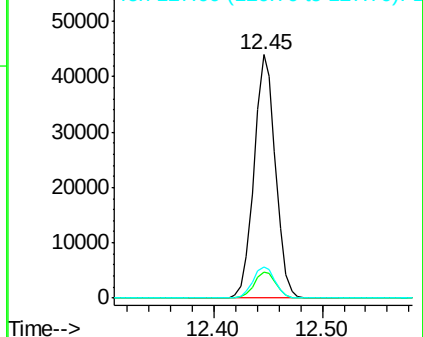
127 12.9 10.3 15.5

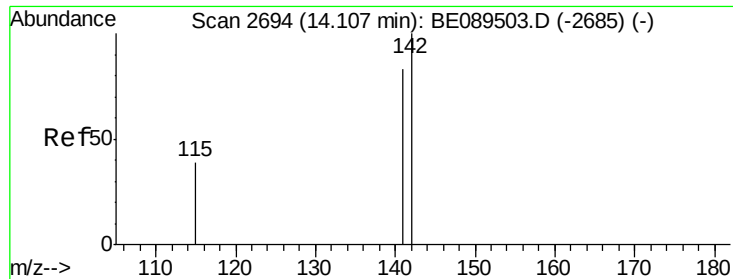


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#5

2-Methylnaphthalene

Concen: 2.36 ng

RT: 14.11 min Scan# 2694

Delta R.T. -0.00 min

Lab File: BE089502.D

Acq: 5 Feb 2015 12:39

Instrument :

BNA_E

LabSampleId :

SSTDIC002

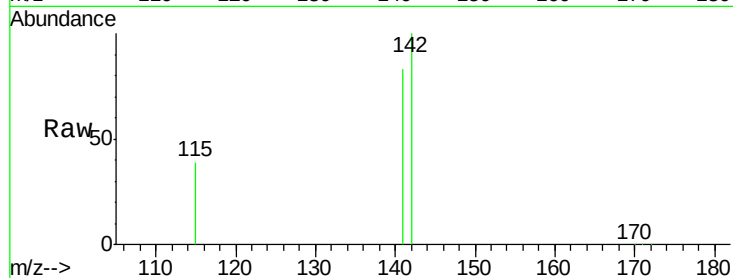
Tot Ion:142 Resp: 43774

Ion Ratio Lower Upper

142 100

141 82.8 66.3 99.5

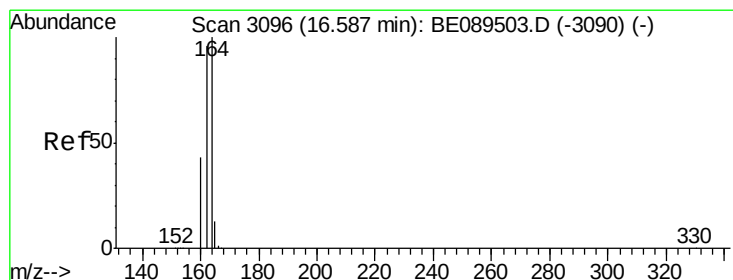
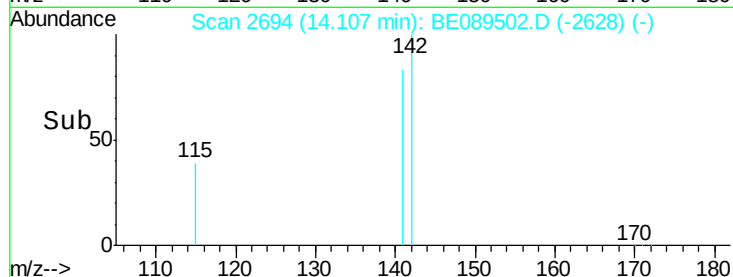
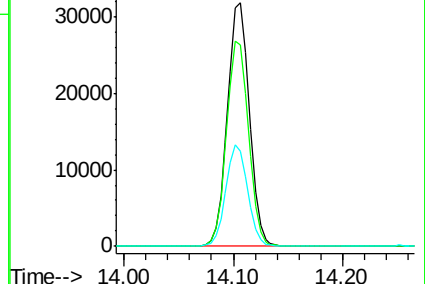
115 39.2 31.1 46.7



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# 3096

Delta R.T. 0.00 min

Lab File: BE089502.D

Acq: 5 Feb 2015 12:39

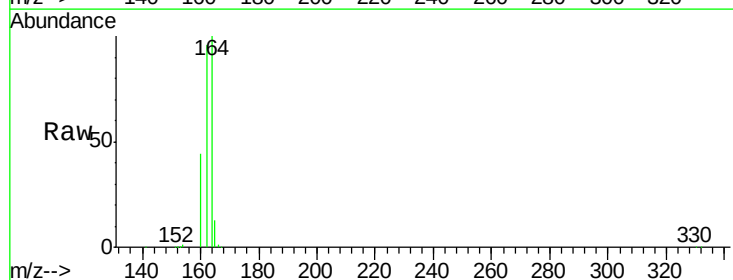
Tgt Ion:164 Resp: 55379

Ion Ratio Lower Upper

164 100

162 95.8 76.6 115.0

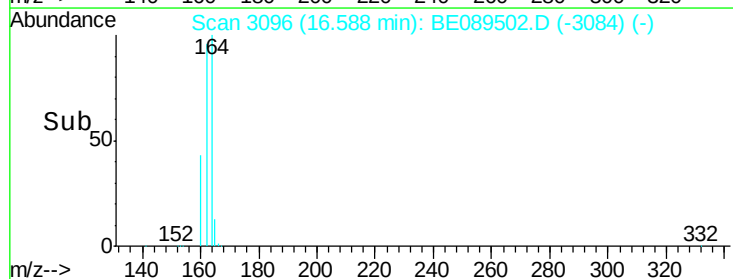
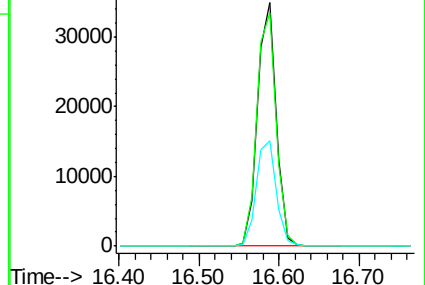
160 43.5 34.6 52.0

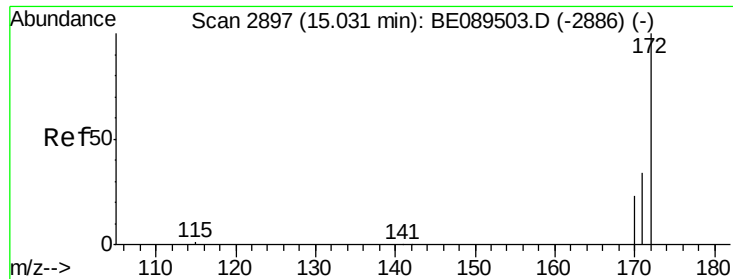


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 2.30 ng

RT: 15.03 min Scan# 2897

Delta R.T. -0.00 min

Lab File: BE089502.D

Acq: 5 Feb 2015 12:39

Instrument :

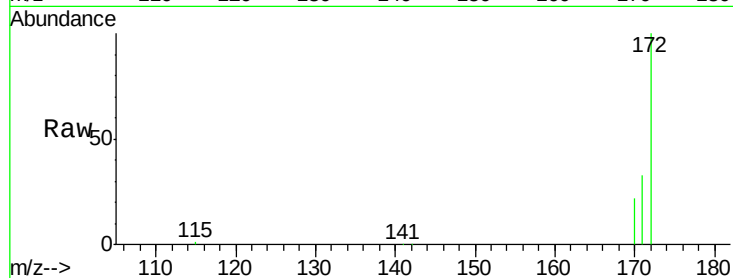
BNA_E

LabSampleId :

SSTDICC002

Tot Ion:172 Resp: 40205

Ion	Ratio	Lower	Upper
172	100		
171	33.1	27.4	41.0
170	22.4	18.4	27.6

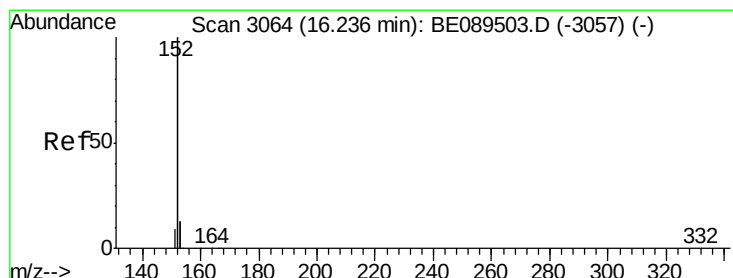
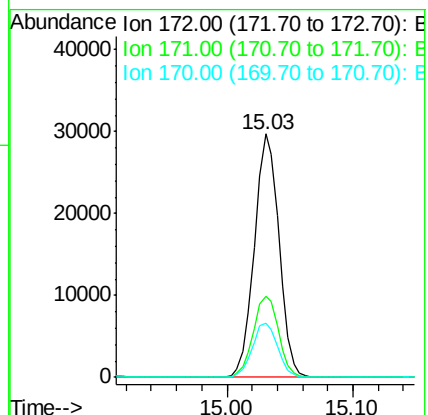
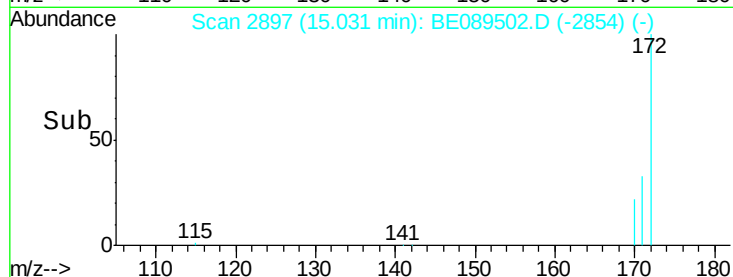


Abundance

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: 2.44 ng

RT: 16.24 min Scan# 3064

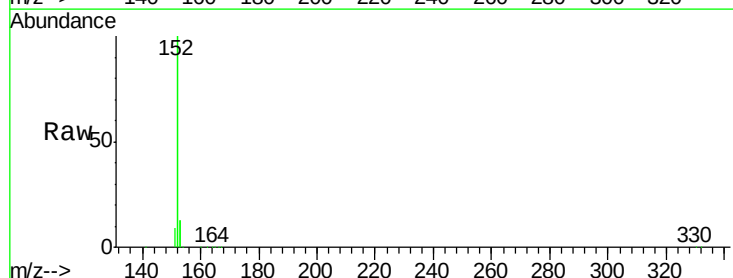
Delta R.T. 0.00 min

Lab File: BE089502.D

Acq: 5 Feb 2015 12:39

Tgt Ion:152 Resp: 290044

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	12.9	10.4	15.6

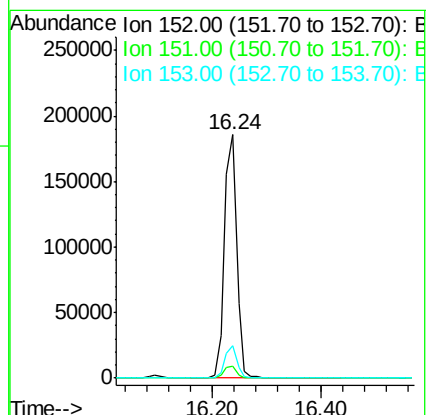
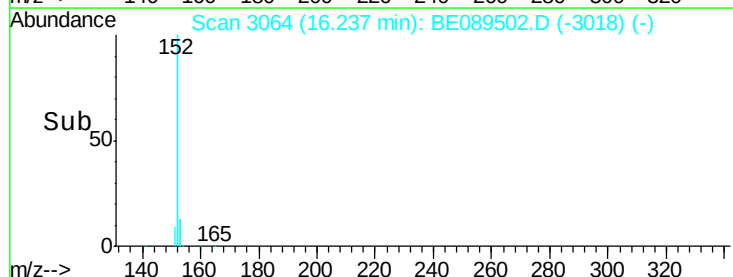


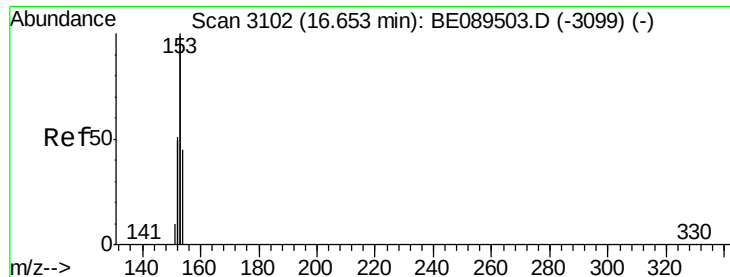
Abundance

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: 2.37 ng

RT: 16.65 min Scan# 3102

Delta R.T. 0.00 min

Lab File: BE089502.D

Acq: 5 Feb 2015 12:39

Instrument :

BNA_E

LabSampleId :

SSTDICC002

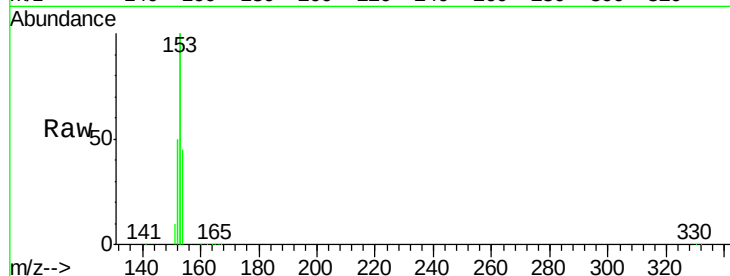
Tot Ion:154 Resp: 43231

Ion Ratio Lower Upper

154 100

153 430.0 341.5 512.3

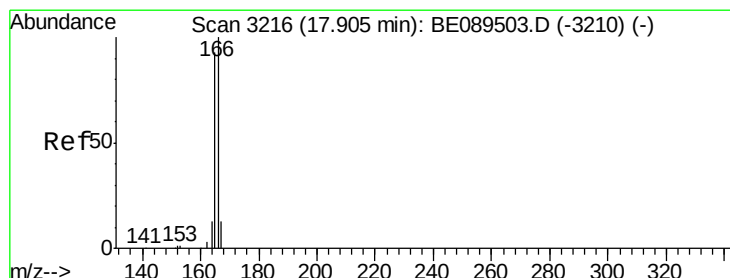
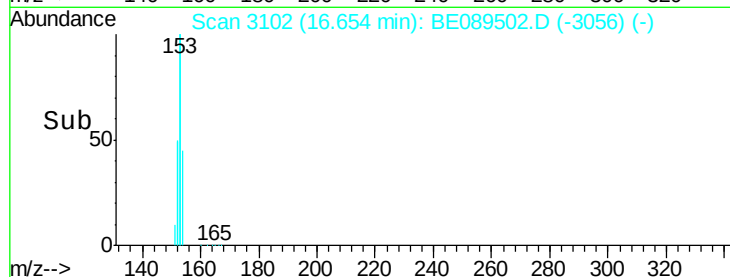
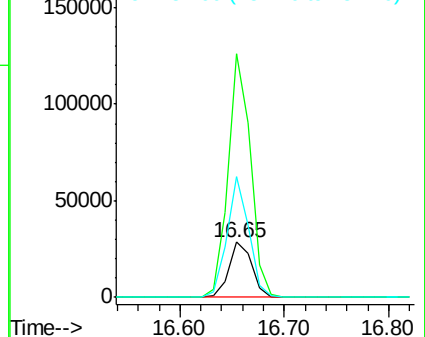
152 205.7 166.6 249.8



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: 2.50 ng

RT: 17.91 min Scan# 3216

Delta R.T. 0.00 min

Lab File: BE089502.D

Acq: 5 Feb 2015 12:39

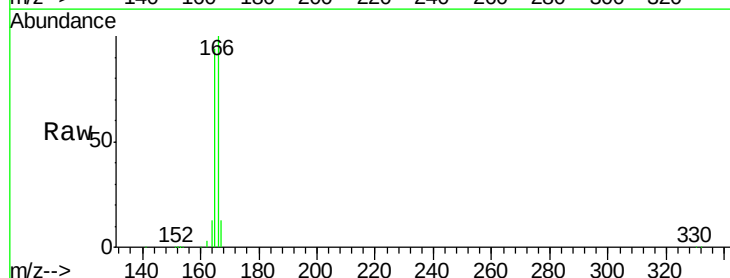
Tgt Ion:166 Resp: 50774

Ion Ratio Lower Upper

166 100

165 93.6 73.6 110.4

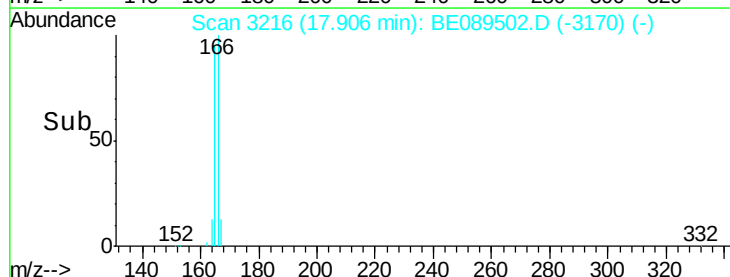
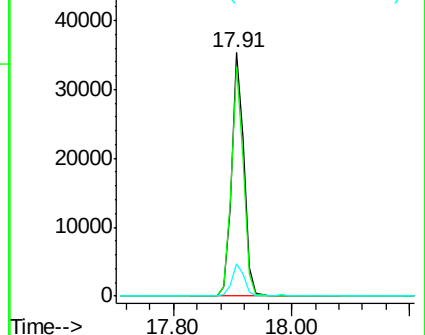
167 13.1 10.6 15.8

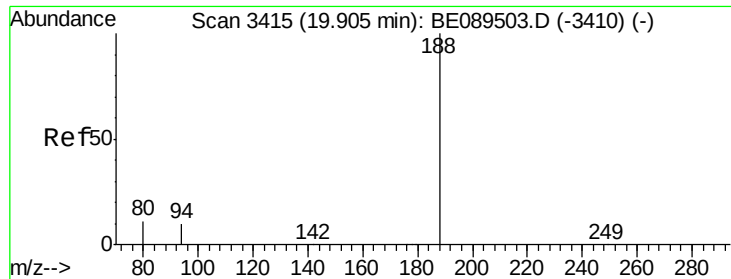


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

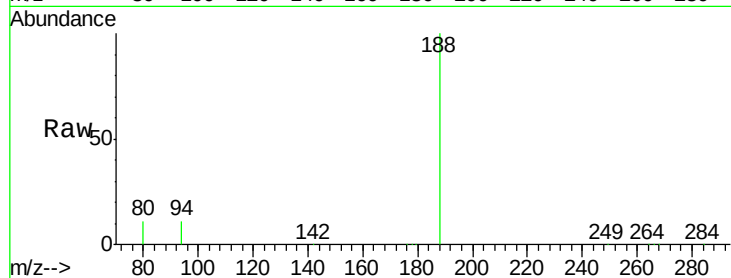




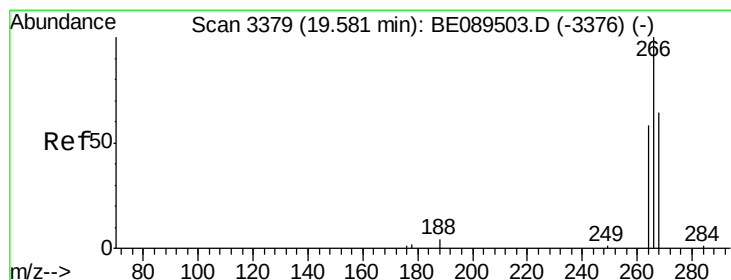
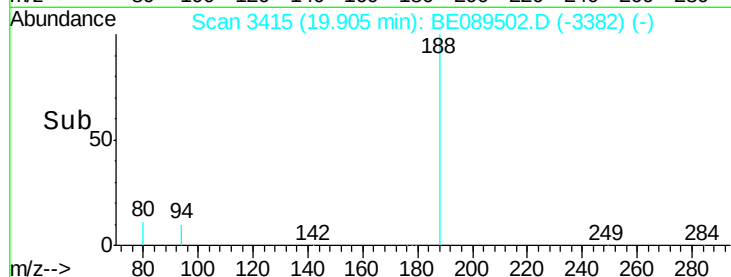
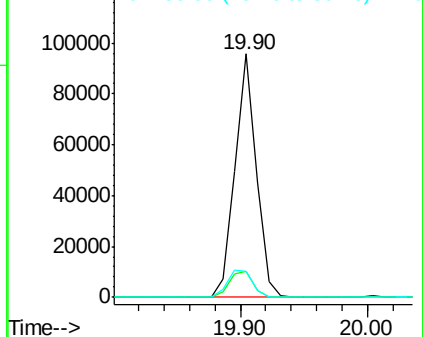
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.90 min Scan# 3415
Delta R.T. -0.00 min
Lab File: BE089502.D
Acq: 5 Feb 2015 12:39

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BNA_E
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SSTDIC002

Tot Ion:188 Resp: 110897
Ion Ratio Lower Upper
188 100
94 10.5 8.2 12.4
80 10.8 8.7 13.1

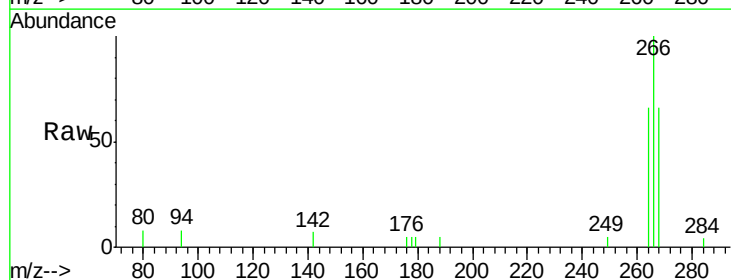


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

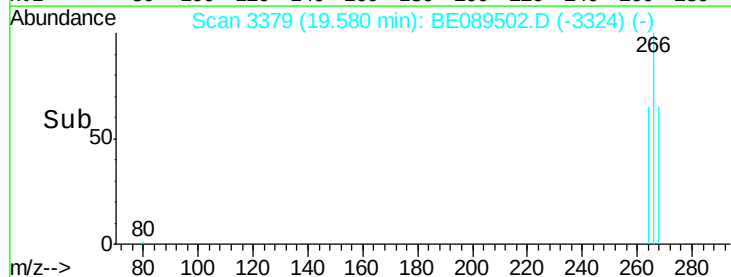
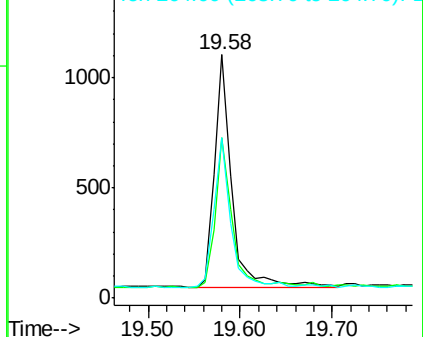


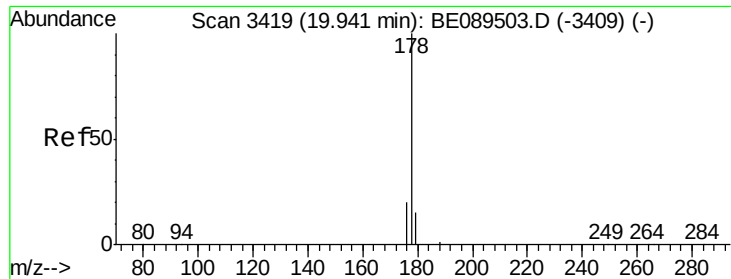
#12
Pentachlorophenol
Concen: 1.25 ng
RT: 19.58 min Scan# 3379
Delta R.T. -0.00 min
Lab File: BE089502.D
Acq: 5 Feb 2015 12:39

Tgt Ion:266 Resp: 1359
Ion Ratio Lower Upper
266 100
268 65.9 56.7 85.1
264 66.0 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: 2.36 ng

RT: 19.94 min Scan# 3419

Delta R.T. -0.00 min

Lab File: BE089502.D

Acq: 5 Feb 2015 12:39

Instrument :

BNA_E

LabSampleId :

SSTDICC002

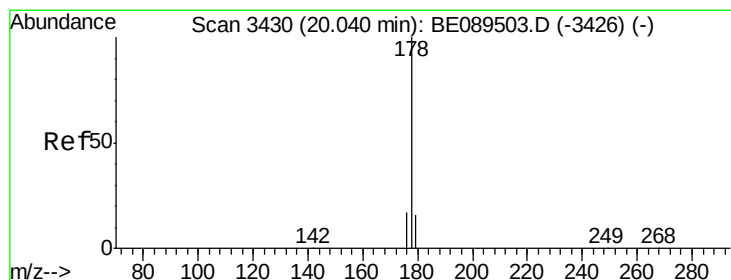
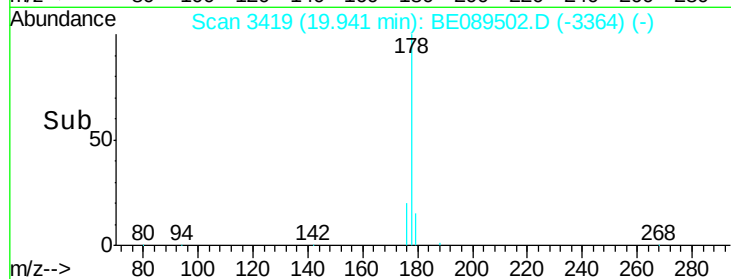
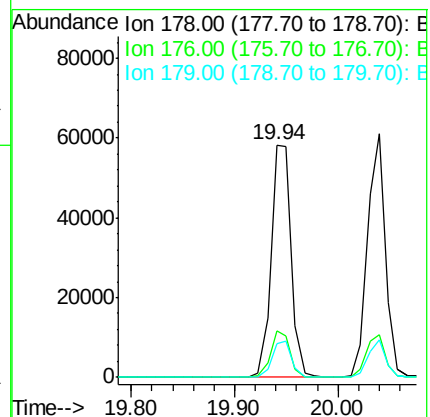
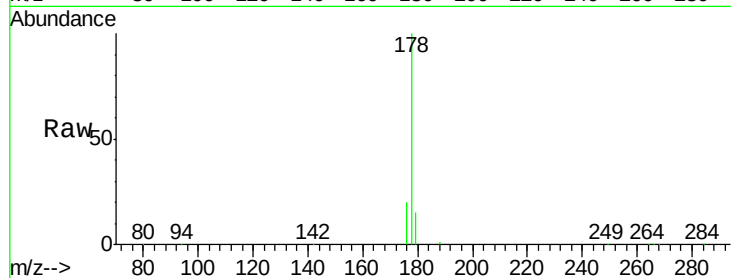
Tot Ion:178 Resp: 79428

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

179 15.1 12.4 18.6



#14

Anthracene

Concen: 2.47 ng

RT: 20.04 min Scan# 3430

Delta R.T. -0.00 min

Lab File: BE089502.D

Acq: 5 Feb 2015 12:39

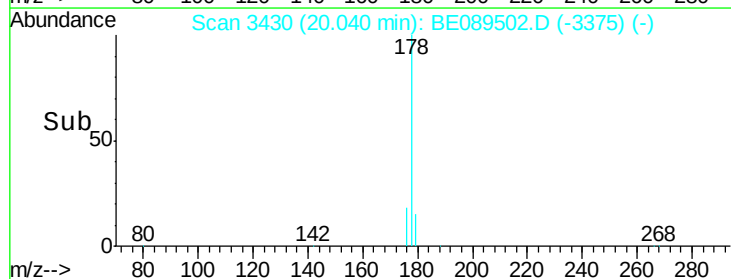
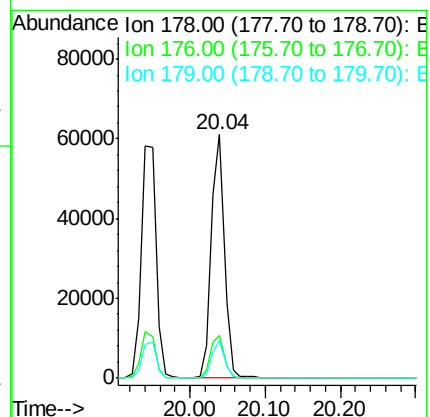
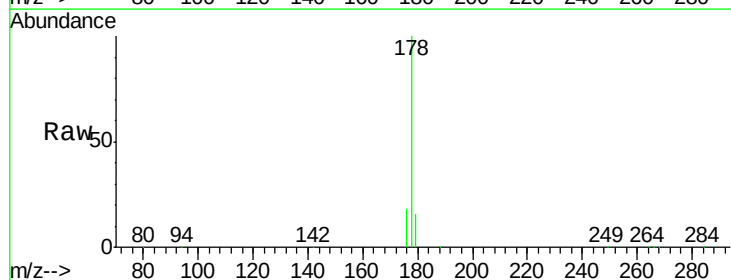
Tgt Ion:178 Resp: 74513

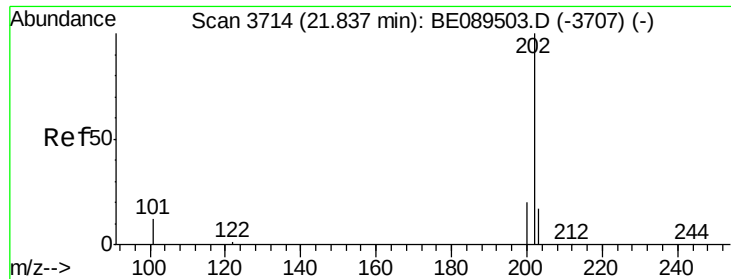
Ion Ratio Lower Upper

178 100

176 18.3 14.6 22.0

179 15.0 12.1 18.1

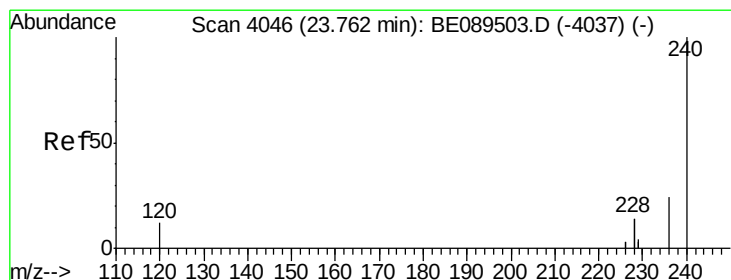
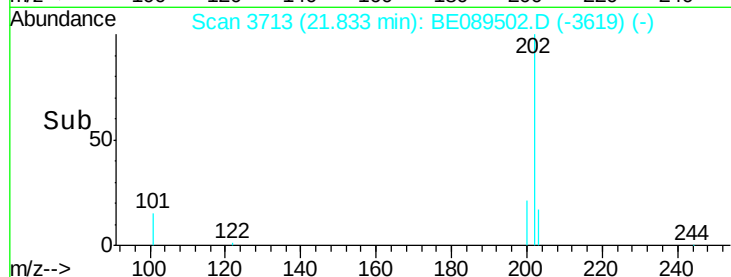
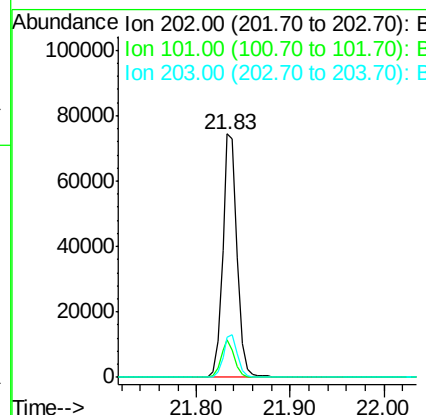
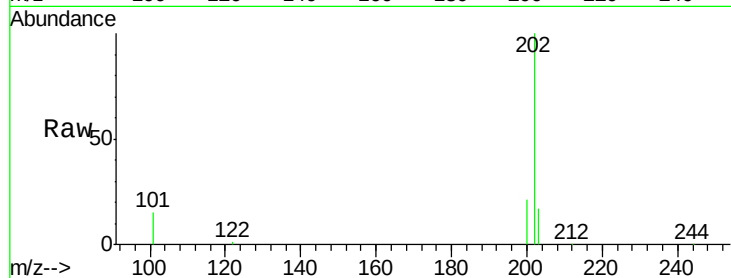




#15
 Fluoranthene
 Concen: 2.48 ng
 RT: 21.83 min Scan# 3713
 Delta R.T. -0.00 min
 Lab File: BE089502.D
 Acq: 5 Feb 2015 12:39

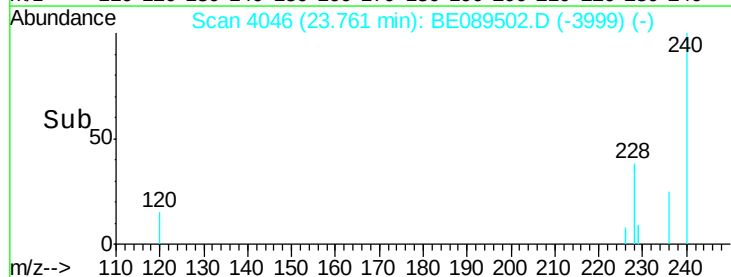
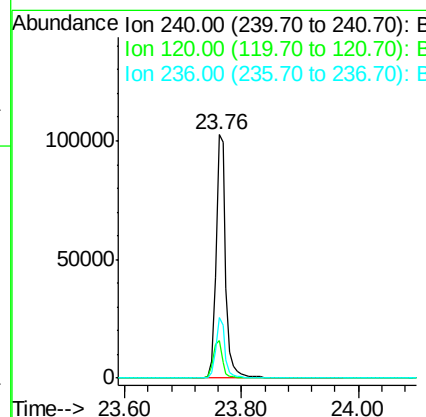
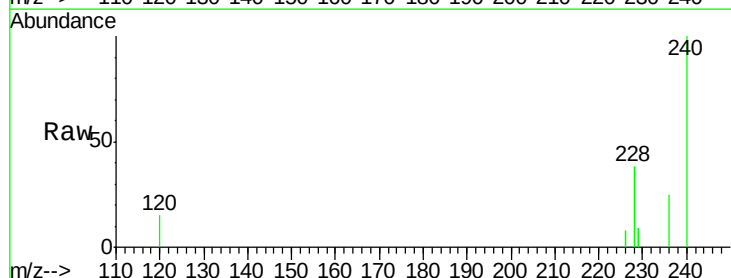
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

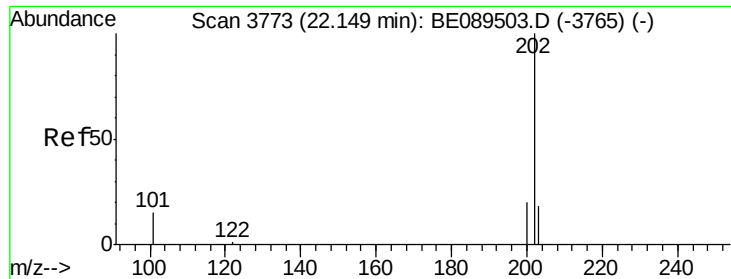
Tot Ion:202 Resp: 79853
 Ion Ratio Lower Upper
 202 100
 101 14.4 11.3 16.9
 203 17.1 13.8 20.6



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.76 min Scan# 4046
 Delta R.T. -0.00 min
 Lab File: BE089502.D
 Acq: 5 Feb 2015 12:39

Tgt Ion:240 Resp: 121574
 Ion Ratio Lower Upper
 240 100
 120 15.2 9.6 14.4#
 236 24.9 19.4 29.2

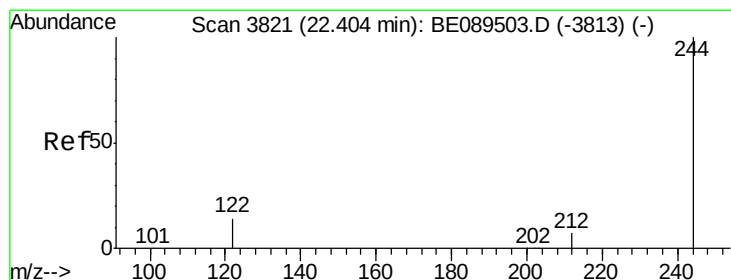
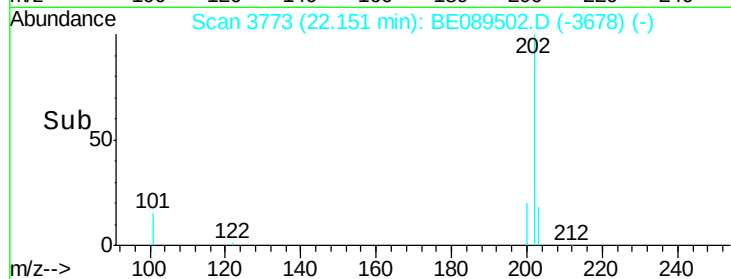
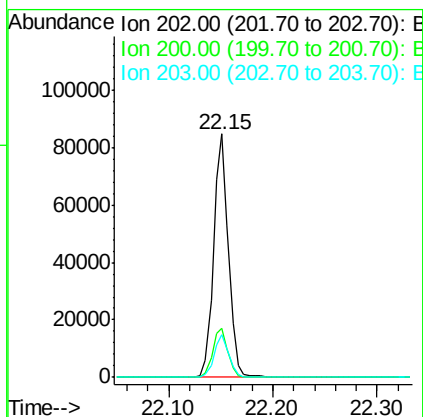
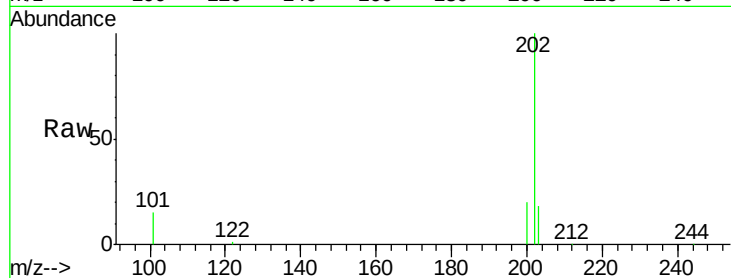




#17
Pvrene
Concen: 2.44 ng
RT: 22.15 min Scan# 3773
Delta R.T. 0.00 min
Lab File: BE089502.D
Acq: 5 Feb 2015 12:39

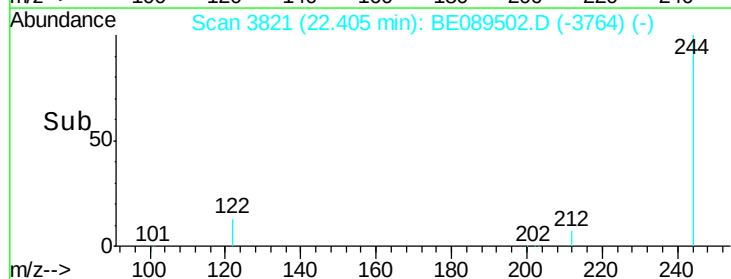
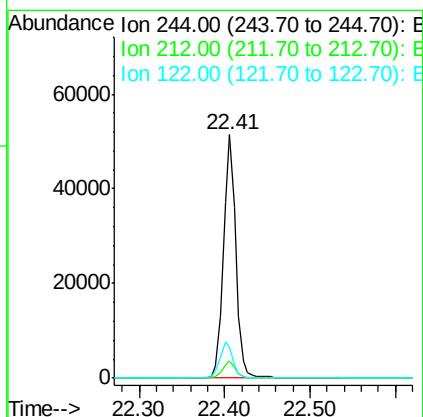
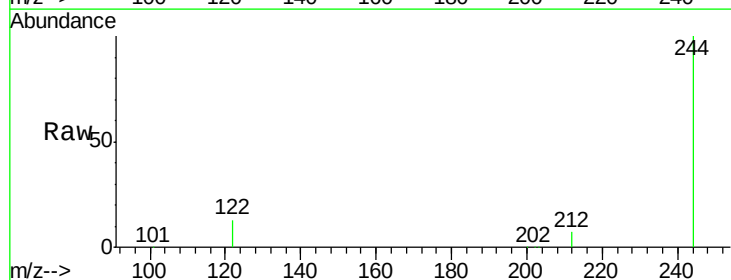
Instrument :
BNA_E
LabSampleId :
SSTDICC002

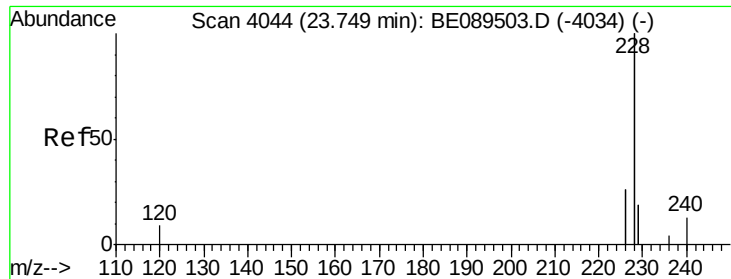
Tot Ion:202 Resp: 84735
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 17.4 14.0 21.0



#18
Terphenyl-d14
Concen: 2.42 ng
RT: 22.41 min Scan# 3821
Delta R.T. 0.00 min
Lab File: BE089502.D
Acq: 5 Feb 2015 12:39

Tgt Ion:244 Resp: 51134
Ion Ratio Lower Upper
244 100
212 7.0 5.5 8.3
122 12.7 11.1 16.7





#19

Benzo(a)anthracene

Concen: 2.44 ng

RT: 23.75 min Scan# 4044

Delta R.T. -0.00 min

Lab File: BE089502.D

Acq: 5 Feb 2015 12:39

Instrument :

BNA_E

LabSampleId :

SSTDICC002

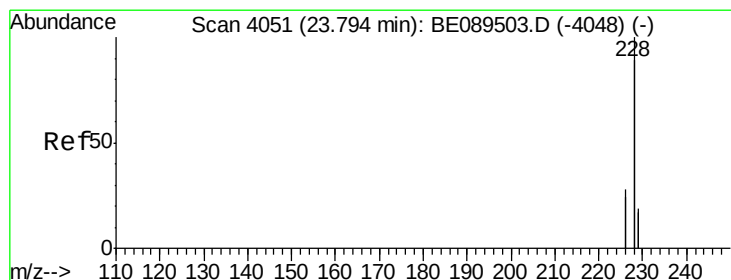
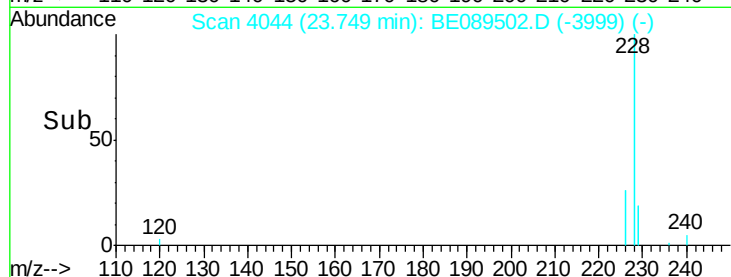
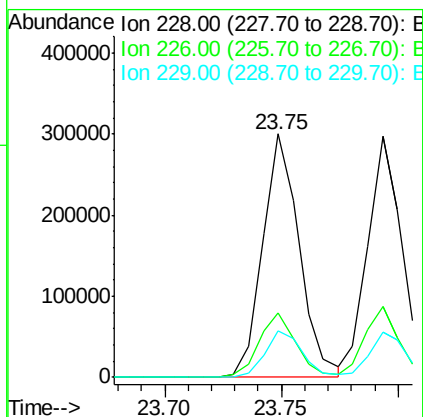
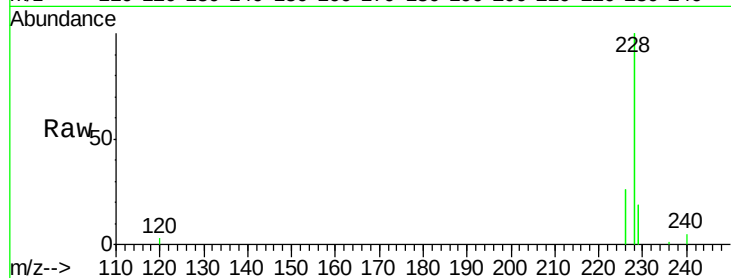
Tot Ion:228 Resp: 325801

Ion Ratio Lower Upper

228 100

226 26.4 21.0 31.6

229 18.9 15.5 23.3



#20

Chrysene

Concen: 2.38 ng

RT: 23.79 min Scan# 4051

Delta R.T. -0.00 min

Lab File: BE089502.D

Acq: 5 Feb 2015 12:39

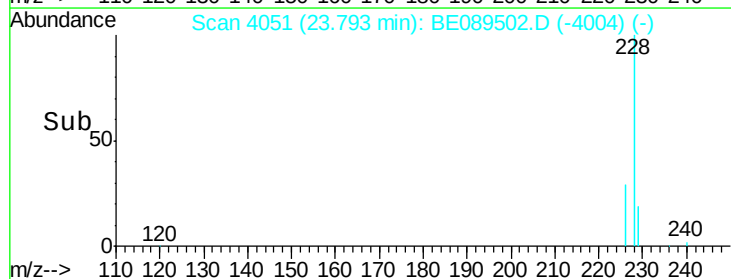
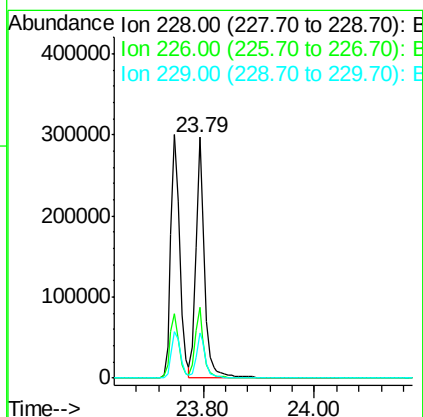
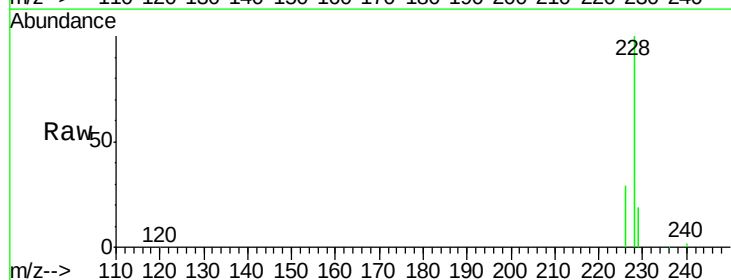
Tgt Ion:228 Resp: 326418

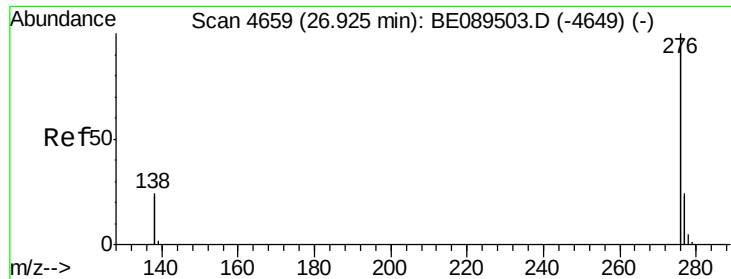
Ion Ratio Lower Upper

228 100

226 29.3 22.3 33.5

229 18.9 15.4 23.0

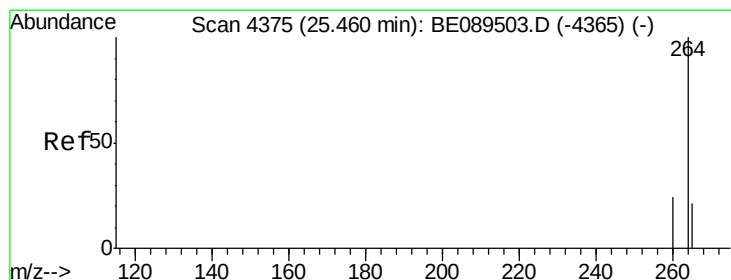
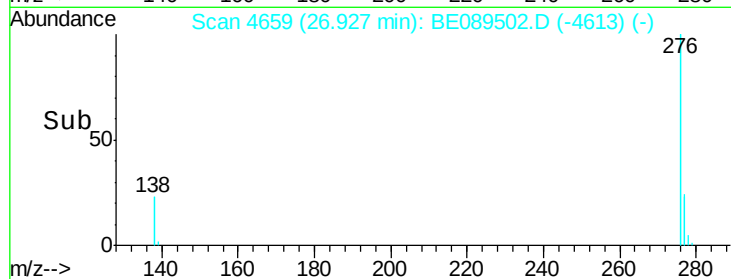
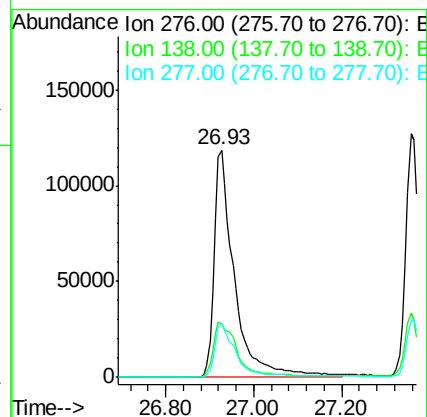
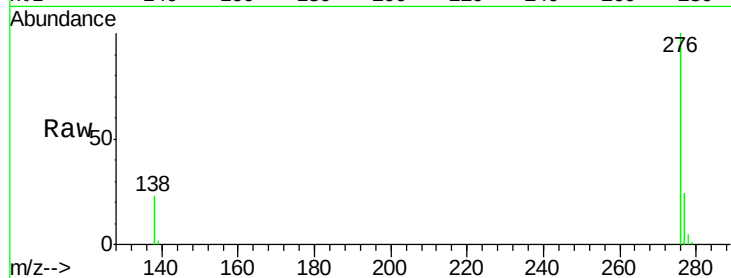




#21
 Indeno(1,2,3-cd)pyrene
 Concen: 2.63 ng
 RT: 26.93 min Scan# 4659
 Delta R.T. 0.00 min
 Lab File: BE089502.D
 Acq: 5 Feb 2015 12:39

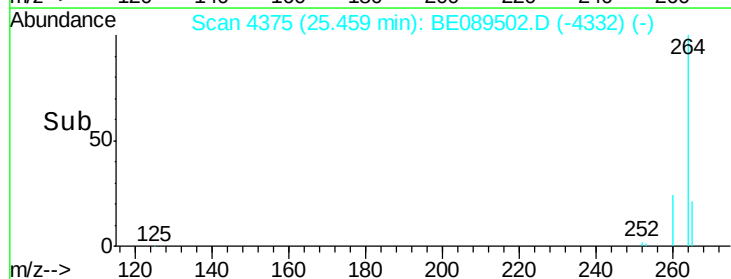
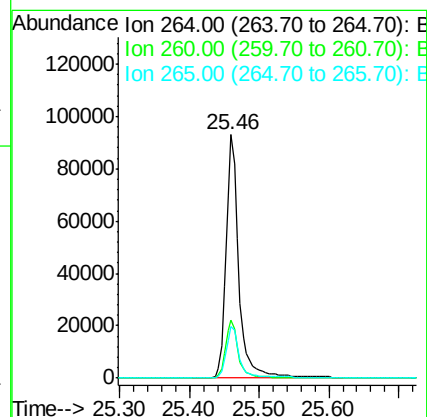
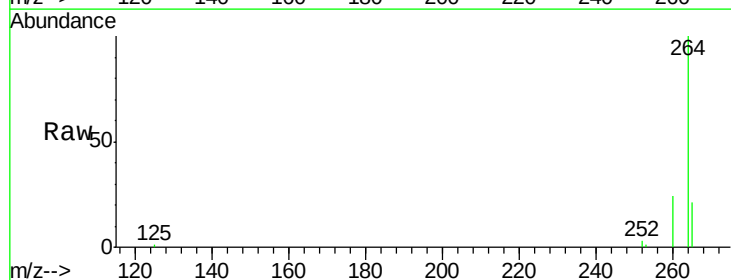
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

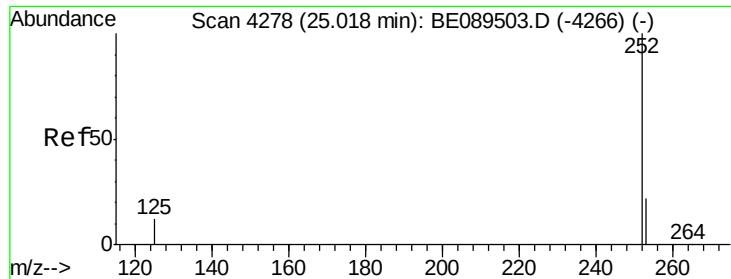
Tot Ion:276 Resp: 375082
 Ion Ratio Lower Upper
 276 100
 138 28.5 23.2 34.8
 277 25.1 19.8 29.6



#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.46 min Scan# 4375
 Delta R.T. -0.00 min
 Lab File: BE089502.D
 Acq: 5 Feb 2015 12:39

Tgt Ion:264 Resp: 119864
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.0 28.6
 265 21.1 17.0 25.6

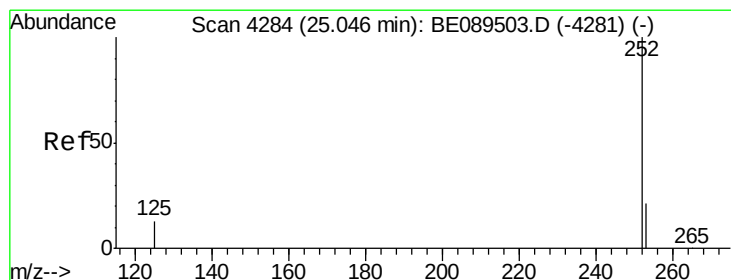
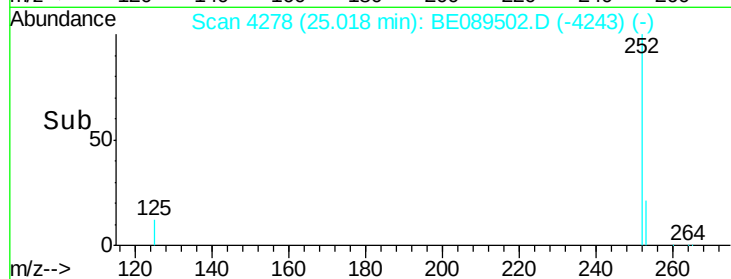
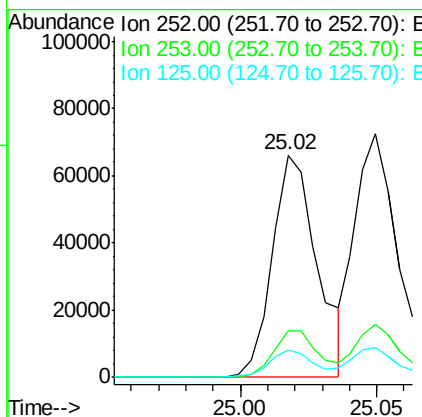
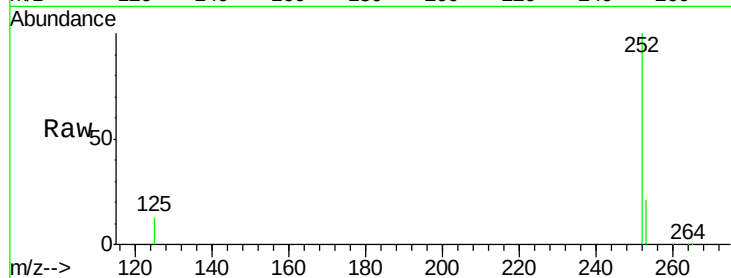




#23
Benzo(b)fluoranthene
Concen: 2.72 ng
RT: 25.02 min Scan# 4278
Delta R.T. -0.00 min
Lab File: BE089502.D
Acq: 5 Feb 2015 12:39

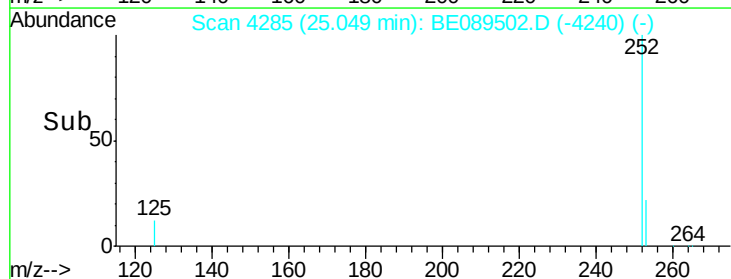
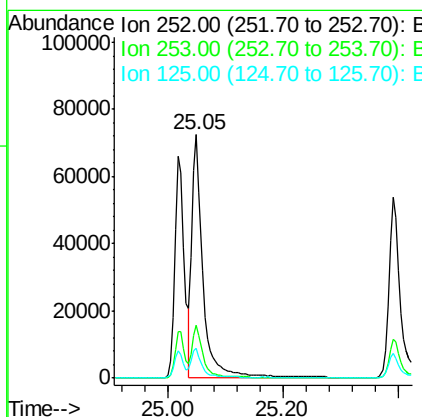
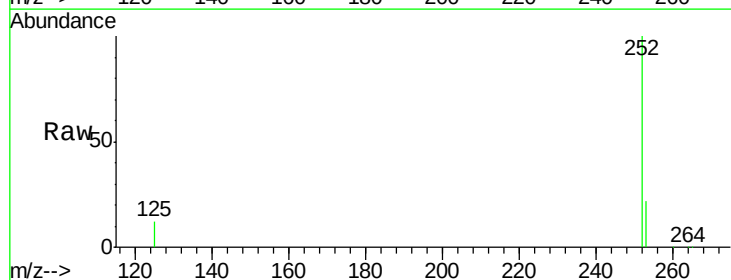
Instrument :
BNA_E
LabSampleId :
SSTDICC002

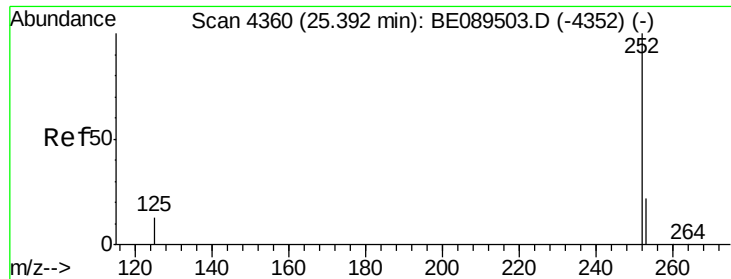
Tot Ion:252 Resp: 75817
Ion Ratio Lower Upper
252 100
253 20.9 17.4 26.0
125 12.5 9.6 14.4



#24
Benzo(k)fluoranthene
Concen: 2.43 ng
RT: 25.05 min Scan# 4285
Delta R.T. 0.00 min
Lab File: BE089502.D
Acq: 5 Feb 2015 12:39

Tgt Ion:252 Resp: 92794
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.6
125 12.1 10.2 15.4

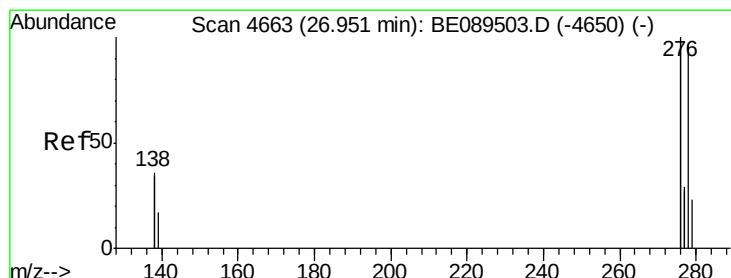
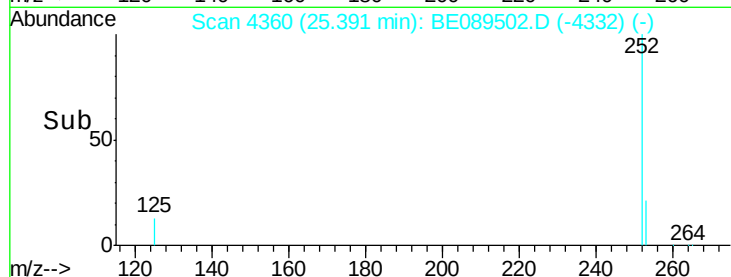
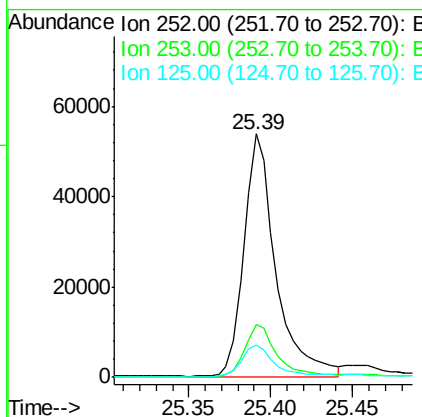
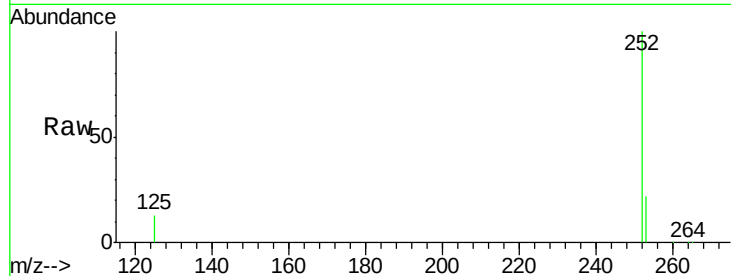




#25
Benzo(a)pyrene
Concen: 2.56 ng
RT: 25.39 min Scan# 4360
Delta R.T. -0.00 min
Lab File: BE089502.D
Acq: 5 Feb 2015 12:39

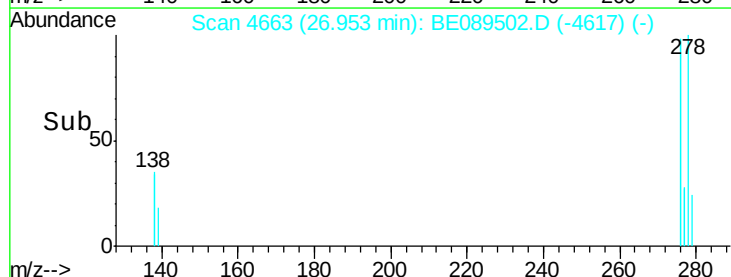
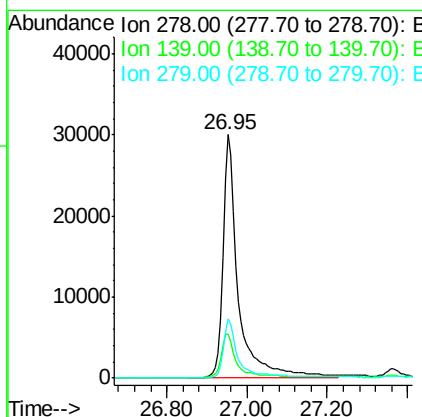
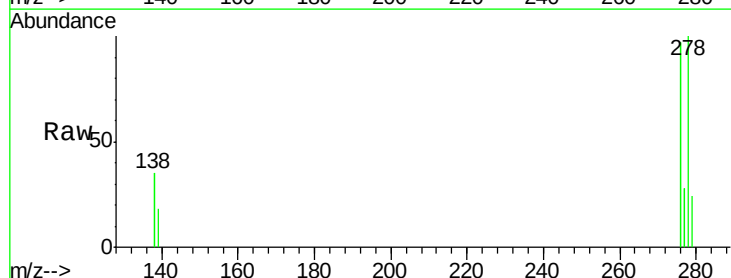
Instrument :
BNA_E
LabSampleId :
SSTDICC002

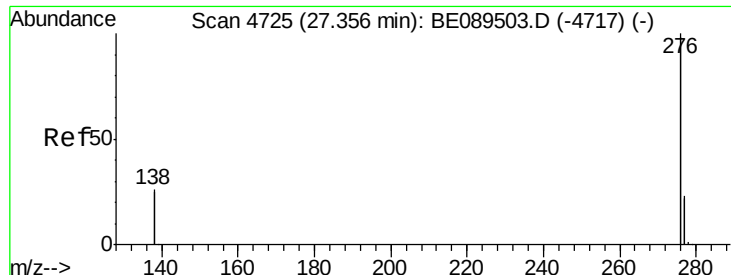
Tot Ion:252 Resp: 72350
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.6
125 13.5 10.7 16.1



#26
Dibenzo(a,h)anthracene
Concen: 2.66 ng
RT: 26.95 min Scan# 4663
Delta R.T. 0.00 min
Lab File: BE089502.D
Acq: 5 Feb 2015 12:39

Tgt Ion:278 Resp: 80158
Ion Ratio Lower Upper
278 100
139 17.9 14.6 22.0
279 24.2 19.0 28.4

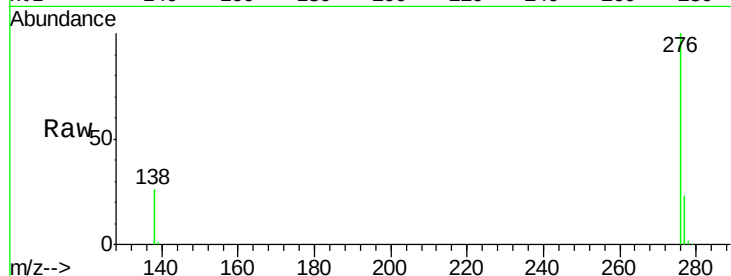




#27
 Benzo(a,h,i)perylene
 Concen: 2.52 ng
 RT: 27.36 min Scan# 4725
 Delta R.T. 0.00 min
 Lab File: BE089502.D
 Acq: 5 Feb 2015 12:39

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

Tot Ion:276 Resp: 309783
 Ion Ratio Lower Upper
 276 100
 277 23.2 18.6 28.0
 138 26.3 20.8 31.2



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

