

Data Path : Z:\HPCHEM1\BNA E\Data\BE020515\
 Data File : Be089517.d
 Acq On : 6 Feb 2015 1:35
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Quant Time: Feb 06 13:14:33 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 12:30:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.49	152	25640	5.00	ng	0.00
2) Naphthalene-d8	12.40	136	104624	5.00	ng	0.00
6) Acenaphthene-d10	16.58	164	50837	5.00	ng	-0.01
11) Phenanthrene-d10	19.90	188	101399	5.00	ng	0.00
16) Chrysene-d12	23.76	240	114457	5.00	ng	0.00
22) Perylene-d12	25.46	264	111502	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.75	82	7166	0.90	ng	0.00
7) 2-Fluorobiphenyl	15.03	172	15540	0.97	ng	0.00
18) Terphenyl-d14	22.40	244	18866	0.95	ng	0.00

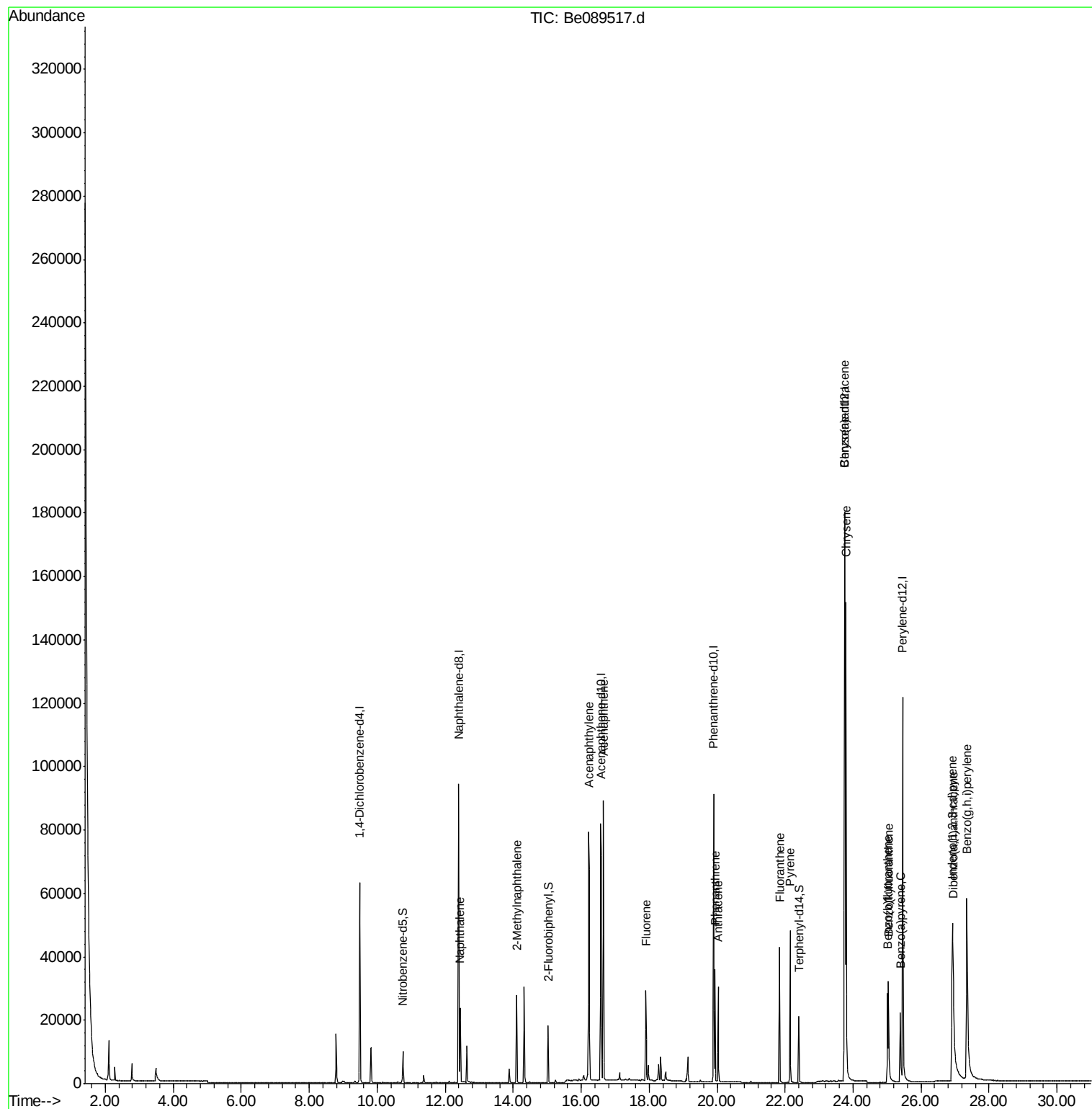
Target Compounds				Ovalue		
4) Naphthalene	12.44	128	26081	0.99	ng	99
5) 2-Methylnaphthalene	14.10	142	17115	0.99	ng	98
8) Acenaphthylene	16.23	152	106003	0.97	ng	100
9) Acenaphthene	16.65	154	16442	0.98	ng	99
10) Fluorene	17.91	166	18638	0.90	ng	100
13) Phenanthrene	19.94	178	30696	1.00	ng	99
14) Anthracene	20.03	178	26786	0.87	ng	100
15) Fluoranthene	21.83	202	28960	0.87	ng	99
17) Pyrene	22.15	202	31833	0.97	ng	100
19) Benzo(a)anthracene	23.75	228	117911	0.85	ng	97
20) Chrysene	23.79	228	129527	0.92	ng	97
21) Indeno(1,2,3-cd)pyrene	26.92	276	127149	0.81	ng	98
23) Benzo(b)fluoranthene	25.02	252	25004	0.83	ng	99
24) Benzo(k)fluoranthene	25.04	252	35829	1.01	ng	99
25) Benzo(a)pyrene	25.39	252	24562	0.82	ng	99
26) Dibenzo(a,h)anthracene	26.95	278	26859	0.82	ng	98
27) Benzo(g,h,i)perylene	27.35	276	109536	0.85	ng	99

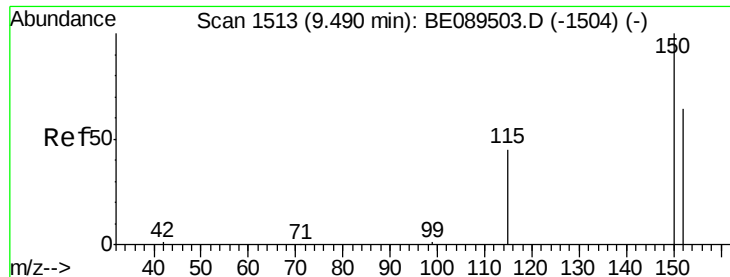
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: Be089517.d

Acq: 6 Feb 2015 1:35

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

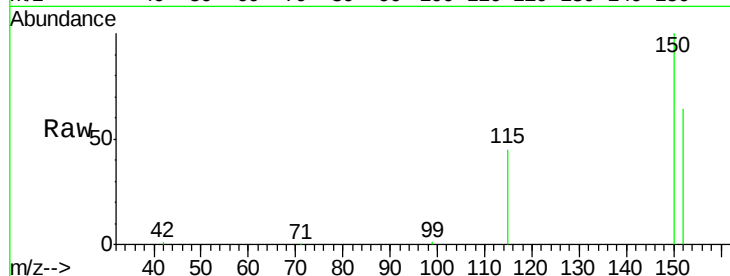
Tot Ion:152 Resp: 25640

Ion Ratio Lower Upper

152 100

150 155.5 125.0 187.6

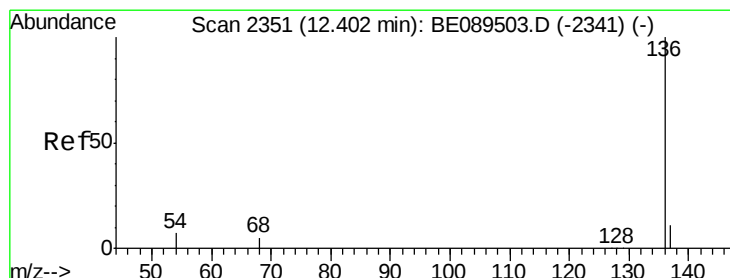
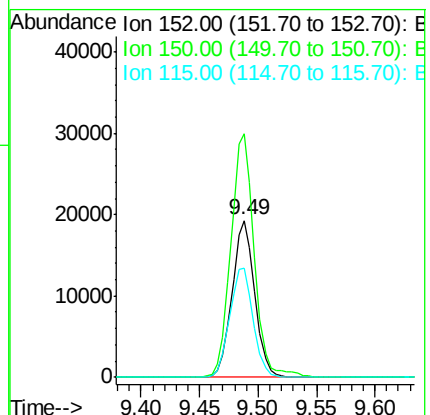
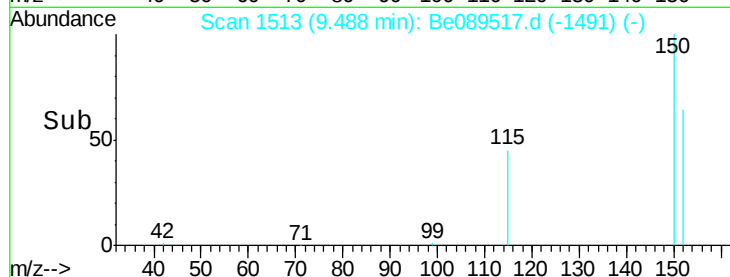
115 70.1 56.6 85.0



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: Be089517.d

Acq: 6 Feb 2015 1:35

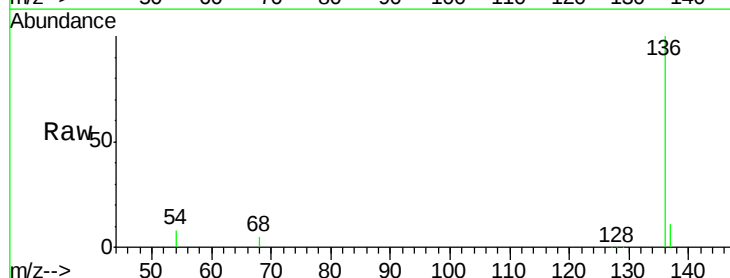
Tgt Ion:136 Resp: 104624

Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

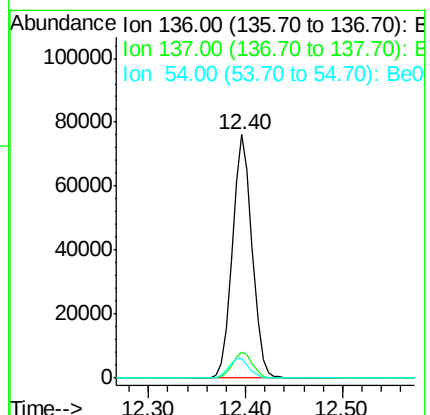
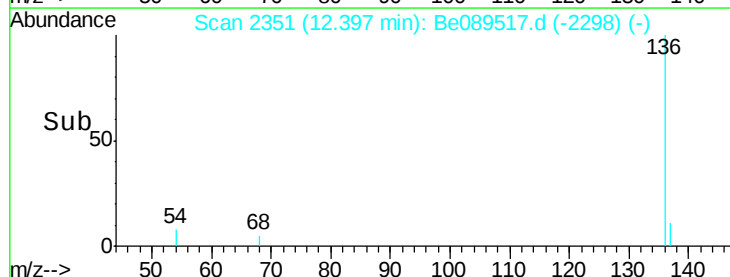
54 7.9 6.0 9.0

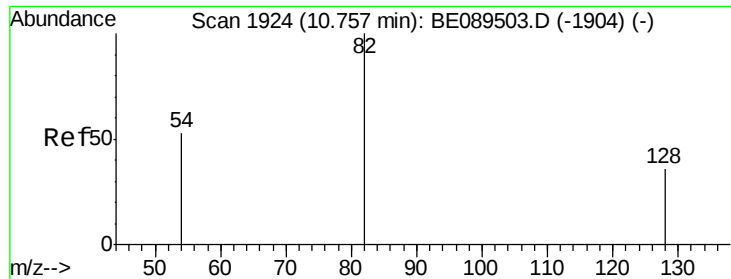


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): Be0





#3

Nitrobenzene-d5

Concen: 0.90 ng

RT: 10.75 min Scan# 1924

Delta R.T. -0.00 min

Lab File: BE089517.d

Acq: 6 Feb 2015 1:35

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

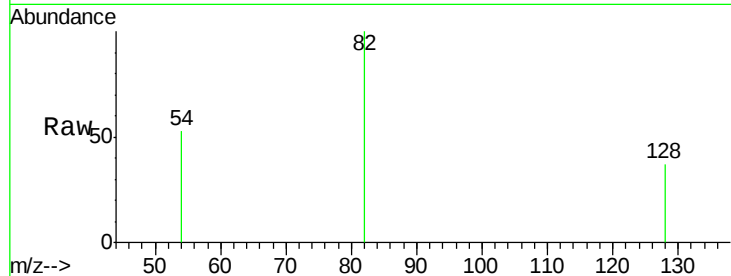
Tot Ion: 82 Resp: 7166

Ion Ratio Lower Upper

82 100

128 37.1 29.3 43.9

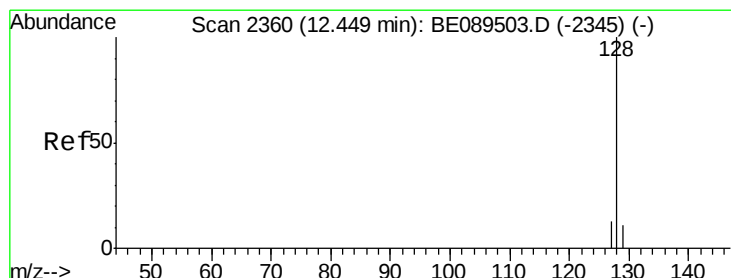
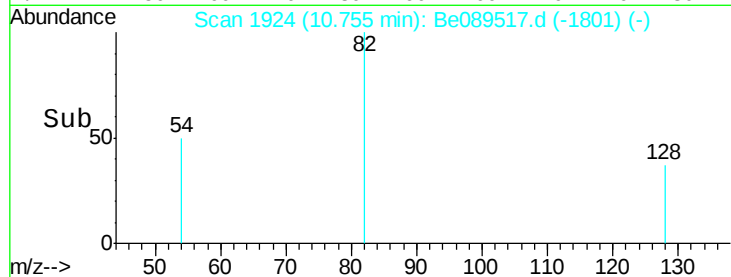
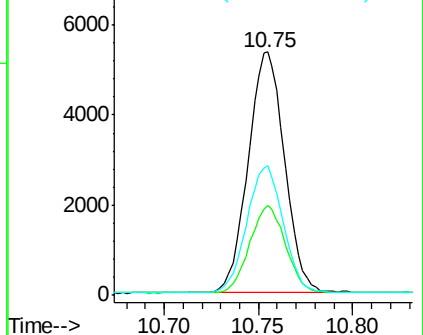
54 53.2 42.6 64.0



Abundance Ion 82.00 (81.70 to 82.70): Be0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): Be0



#4

Naphthalene

Concen: 0.99 ng

RT: 12.44 min Scan# 2360

Delta R.T. -0.00 min

Lab File: BE089517.d

Acq: 6 Feb 2015 1:35

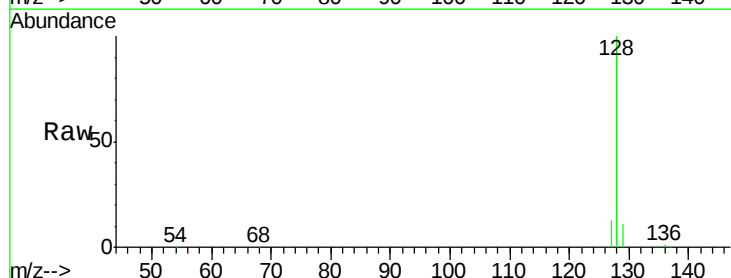
Tgt Ion: 128 Resp: 26081

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

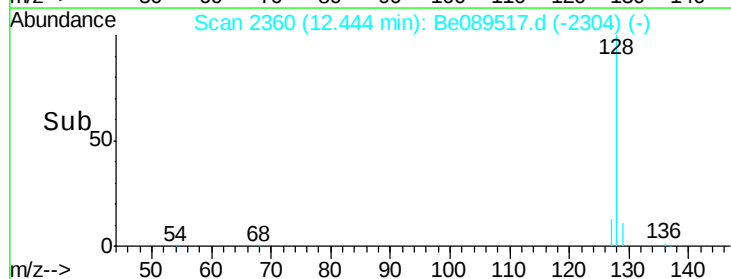
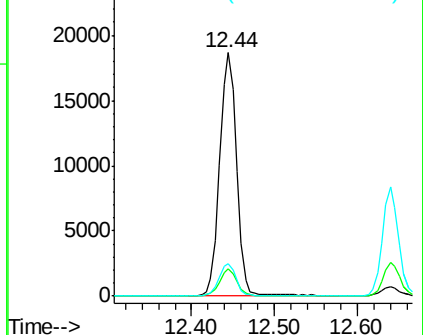
127 13.2 10.3 15.5



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: 0.99 ng

RT: 14.10 min Scan# 2694

Delta R.T. -0.00 min

Lab File: BE089517.d

Acq: 6 Feb 2015 1:35

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

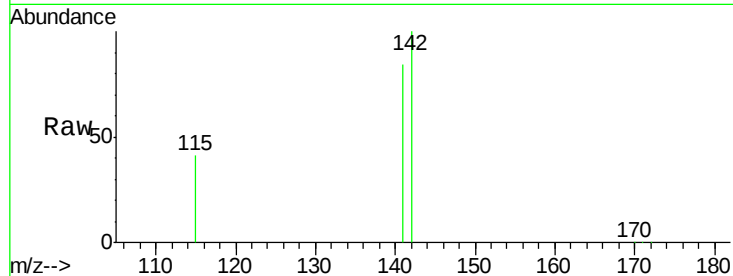
Tot Ion:142 Resp: 17115

Ion Ratio Lower Upper

142 100

141 84.1 66.3 99.5

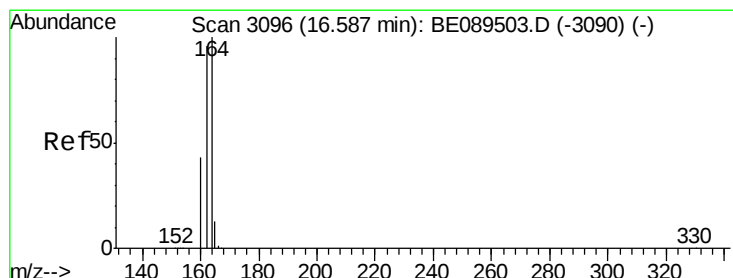
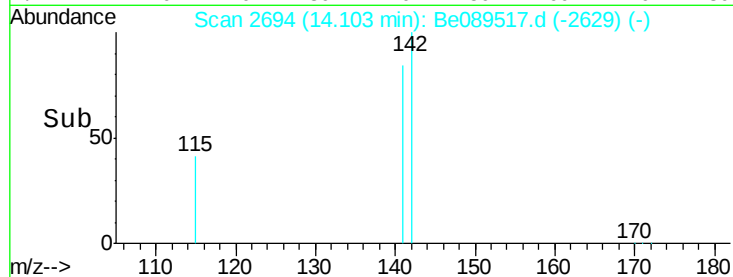
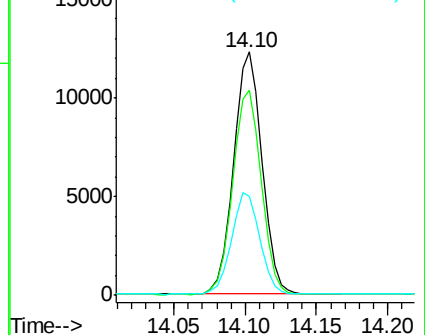
115 40.9 31.1 46.7



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: 16.58 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BE089517.d

Acq: 6 Feb 2015 1:35

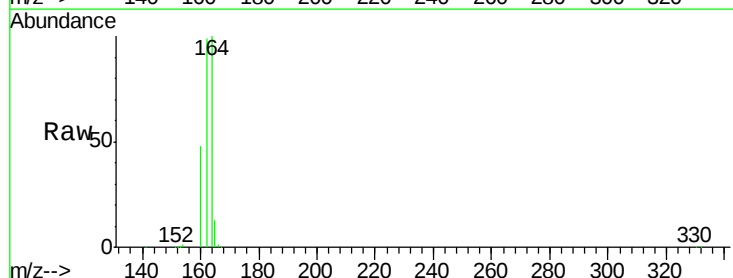
Tgt Ion:164 Resp: 50837

Ion Ratio Lower Upper

164 100

162 99.5 76.6 115.0

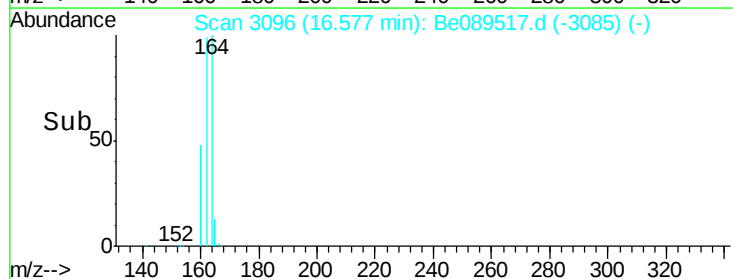
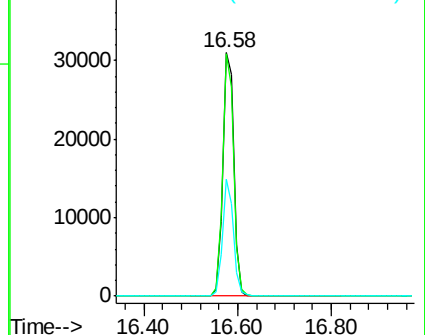
160 48.2 34.6 52.0



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: 0.97 ng

RT: 15.03 min Scan# 2898

Delta R.T. 0.00 min

Lab File: BE089517.d

Acq: 6 Feb 2015 1:35

Instrument :

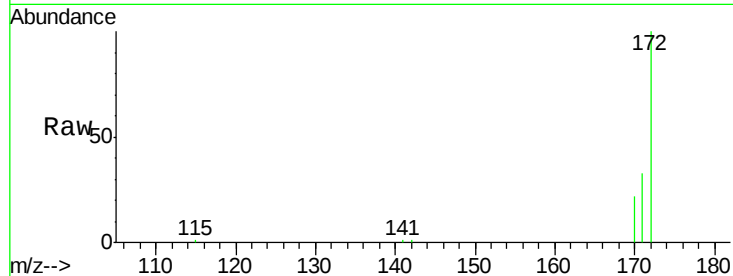
BNA_E

LabSampleId :

SSTDCCC001

Tot Ion:172 Resp: 15540

Ion	Ratio	Lower	Upper
172	100		
171	32.9	27.4	41.0
170	22.3	18.4	27.6

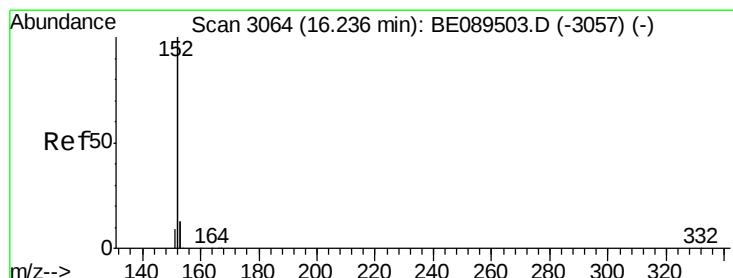
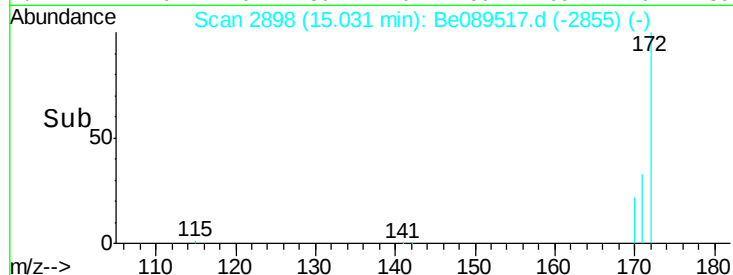
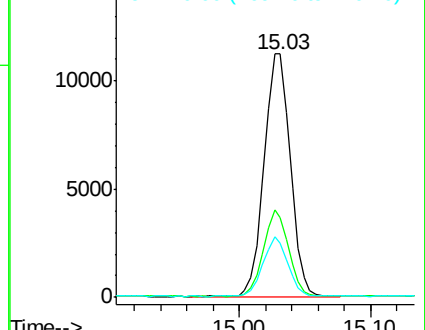


Abundance

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: 0.97 ng

RT: 16.23 min Scan# 3064

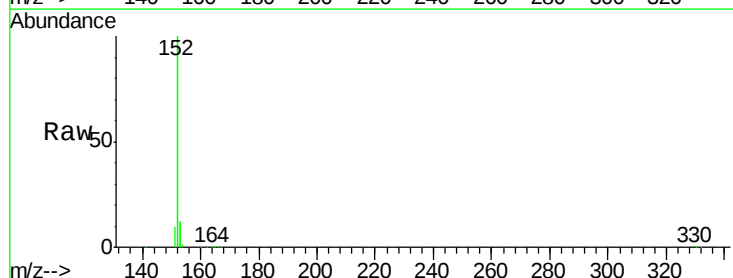
Delta R.T. -0.01 min

Lab File: BE089517.d

Acq: 6 Feb 2015 1:35

Tgt Ion:152 Resp: 106003

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	12.8	10.4	15.6

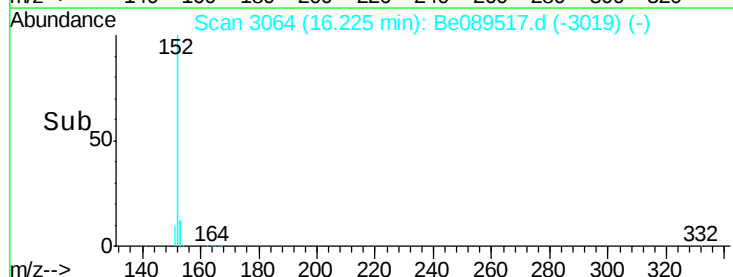
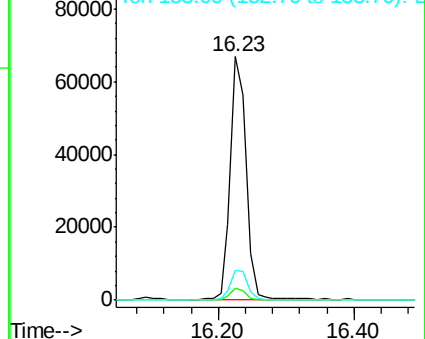


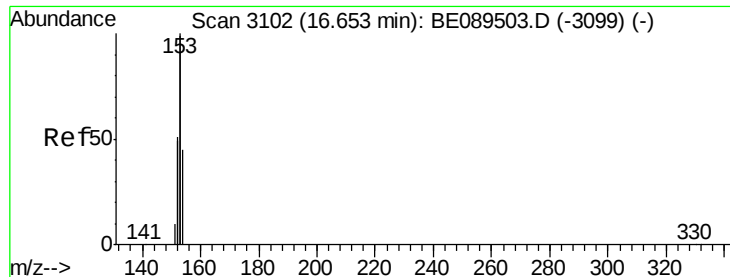
Abundance

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: 0.98 ng

RT: 16.65 min Scan# 3103

Delta R.T. 0.00 min

Lab File: Be089517.d

Acq: 6 Feb 2015 1:35

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

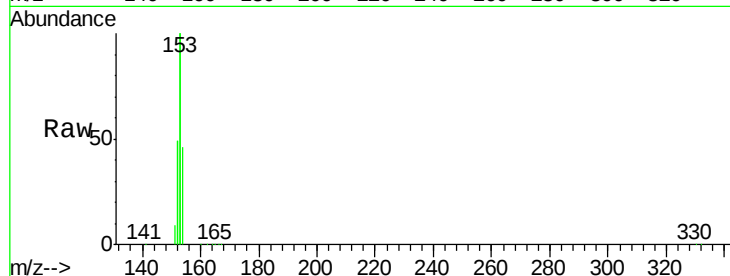
Tot Ion:154 Resp: 16442

Ion Ratio Lower Upper

154 100

153 430.0 341.5 512.3

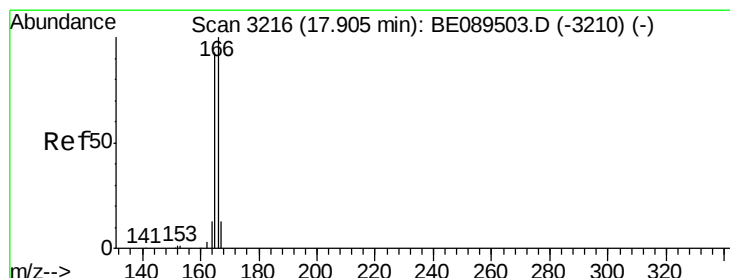
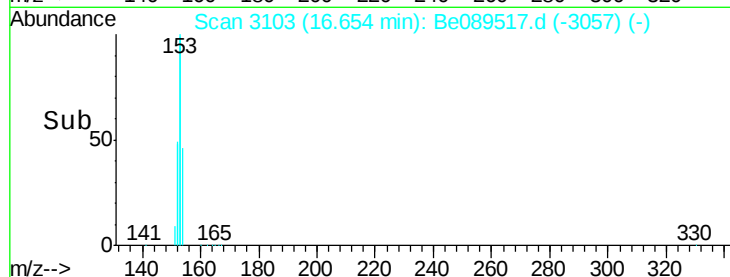
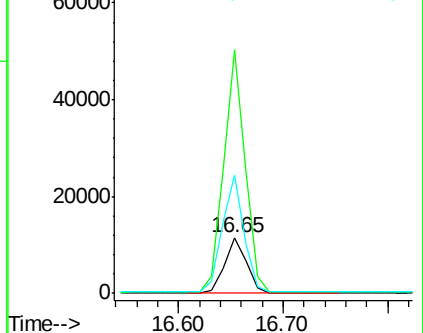
152 209.7 166.6 249.8



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: 0.90 ng

RT: 17.91 min Scan# 3217

Delta R.T. 0.00 min

Lab File: Be089517.d

Acq: 6 Feb 2015 1:35

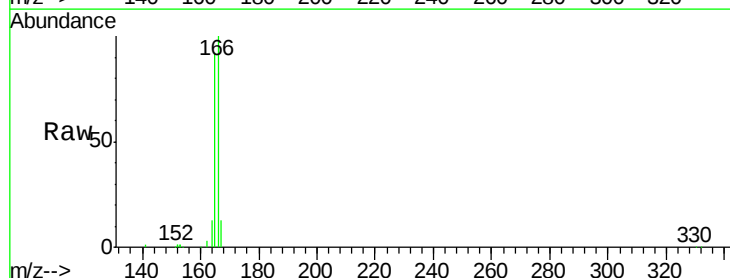
Tgt Ion:166 Resp: 18638

Ion Ratio Lower Upper

166 100

165 91.6 73.6 110.4

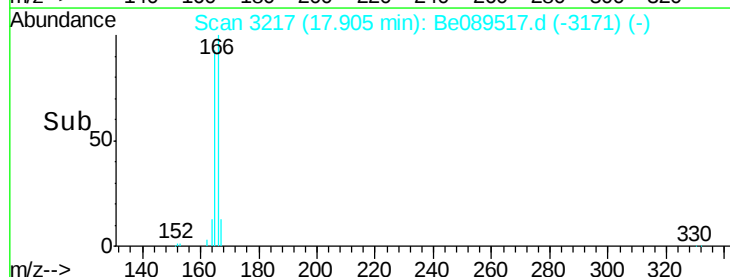
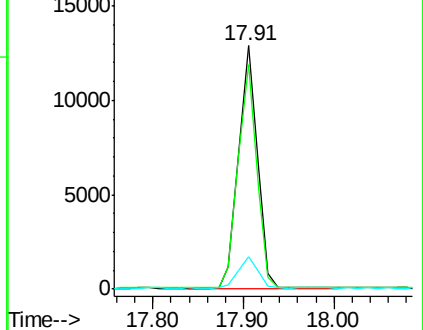
167 13.2 10.6 15.8

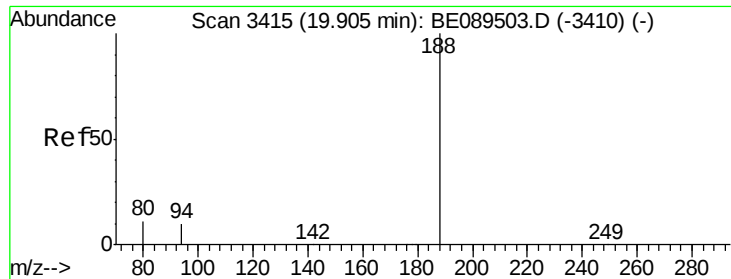


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

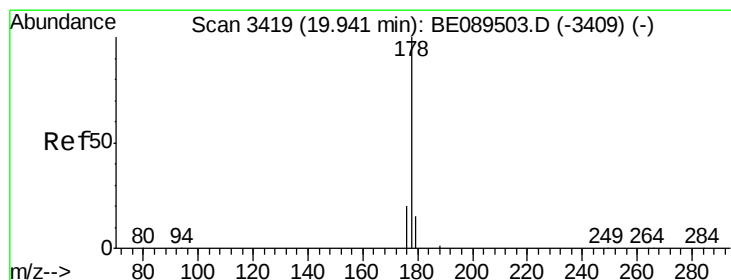
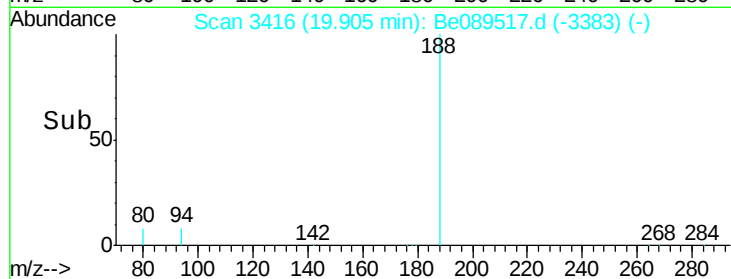
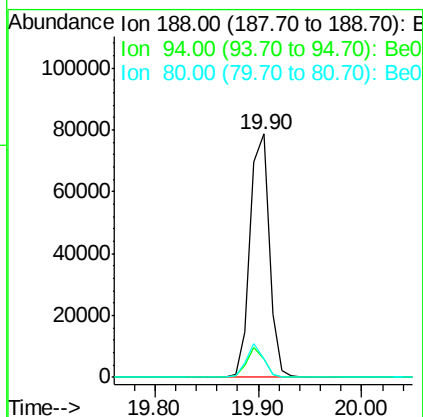
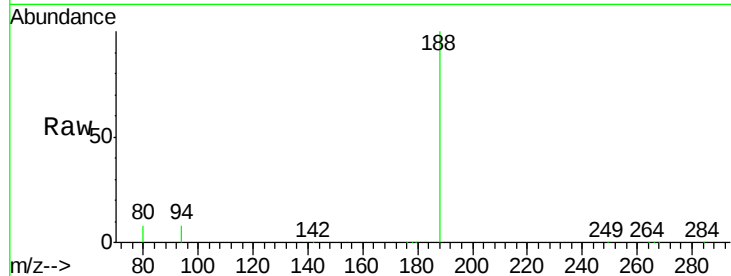




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.90 min Scan# 3416
Delta R.T. 0.00 min
Lab File: Be089517.d
Acq: 6 Feb 2015 1:35

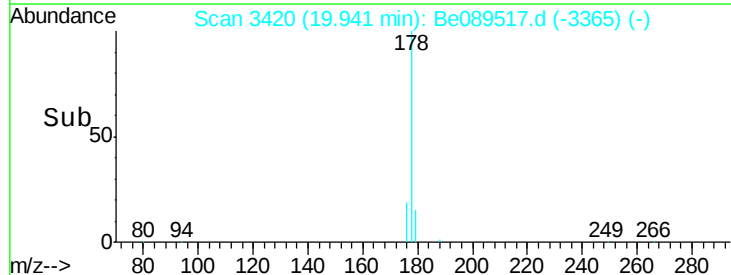
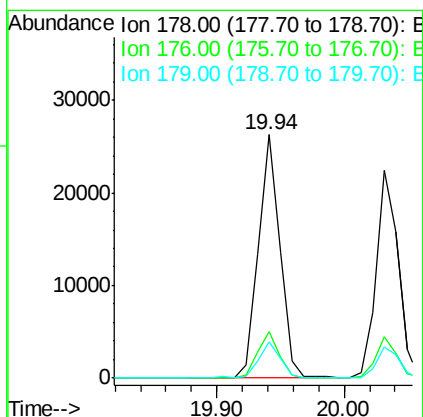
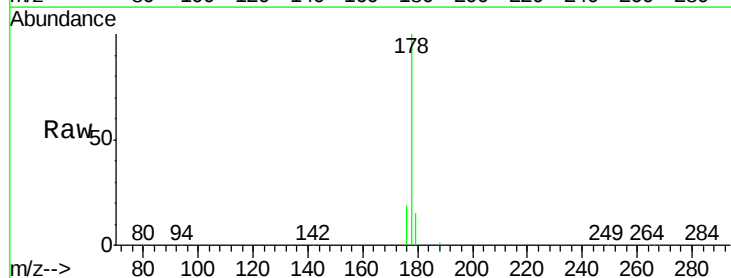
Instrument :
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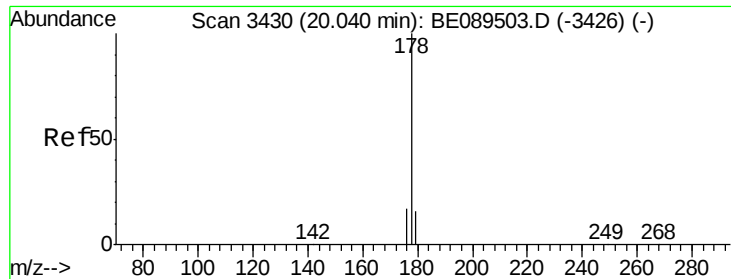
Tot Ion:188 Resp: 101399
Ion Ratio Lower Upper
188 100
94 7.8 8.2 12.4#
80 7.6 8.7 13.1#



#13
Phenanthrene
Concen: 1.00 ng
RT: 19.94 min Scan# 3420
Delta R.T. 0.00 min
Lab File: Be089517.d
Acq: 6 Feb 2015 1:35

Tgt Ion:178 Resp: 30696
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.0 12.4 18.6





#14

Anthracene

Concen: 0.87 ng

RT: 20.03 min Scan# 3430

Delta R.T. -0.01 min

Lab File: Be089517.d

Acq: 6 Feb 2015 1:35

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

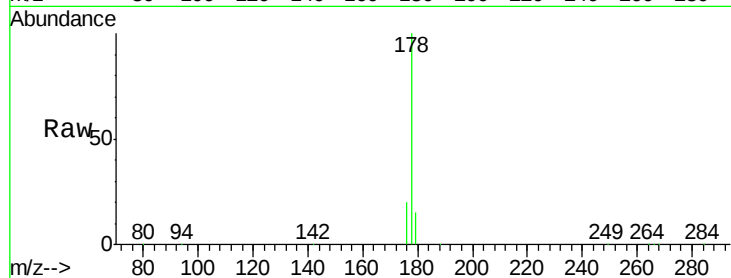
Tot Ion:178 Resp: 26786

Ion Ratio Lower Upper

178 100

176 18.5 14.6 22.0

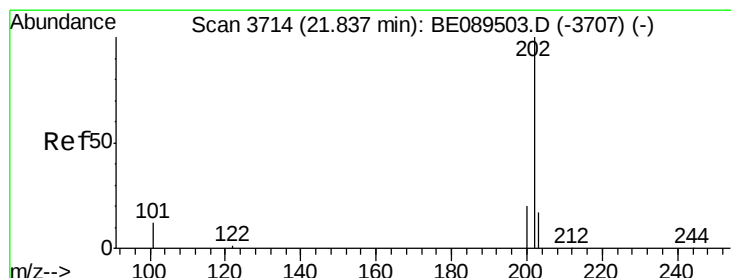
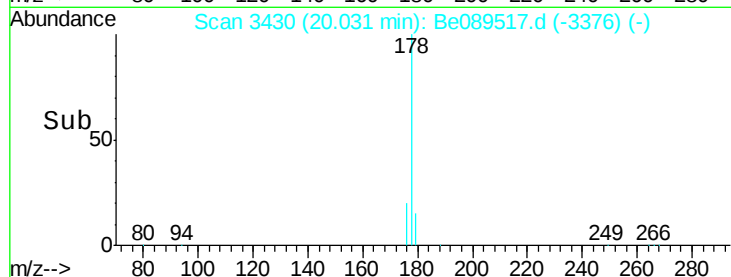
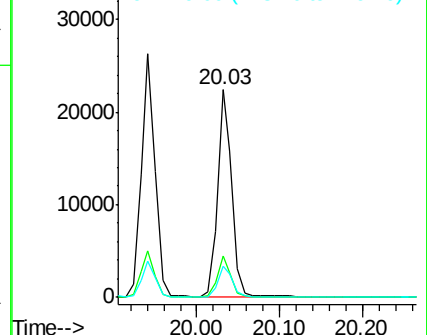
179 15.0 12.1 18.1



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: 0.87 ng

RT: 21.83 min Scan# 3714

Delta R.T. -0.00 min

Lab File: Be089517.d

Acq: 6 Feb 2015 1:35

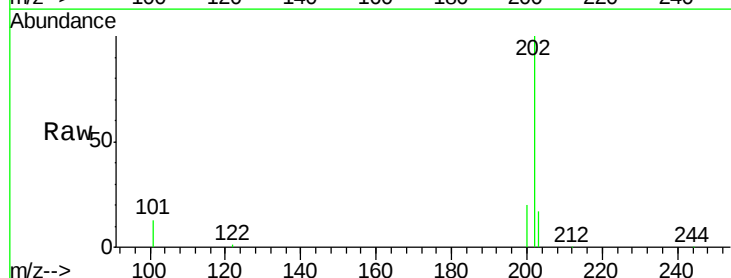
Tgt Ion:202 Resp: 28960

Ion Ratio Lower Upper

202 100

101 13.0 11.3 16.9

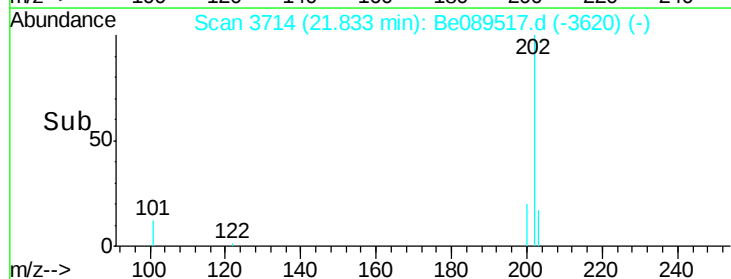
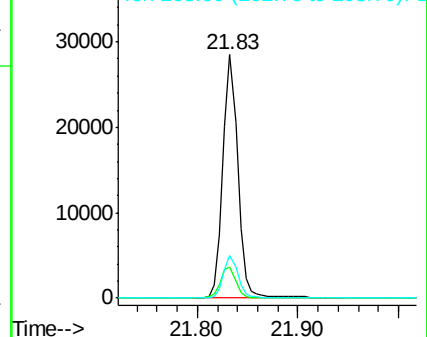
203 17.1 13.8 20.6

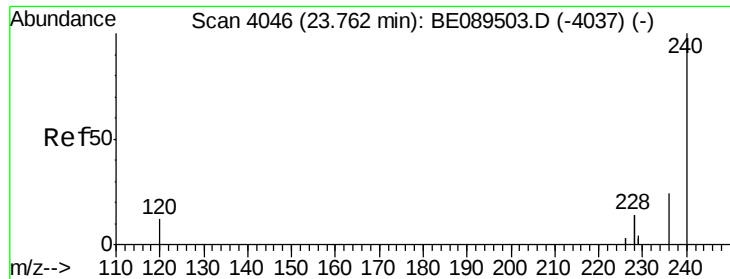


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

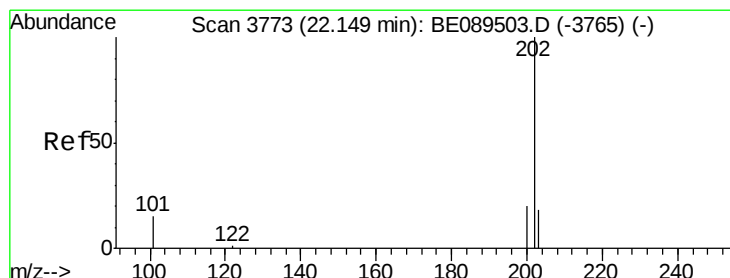
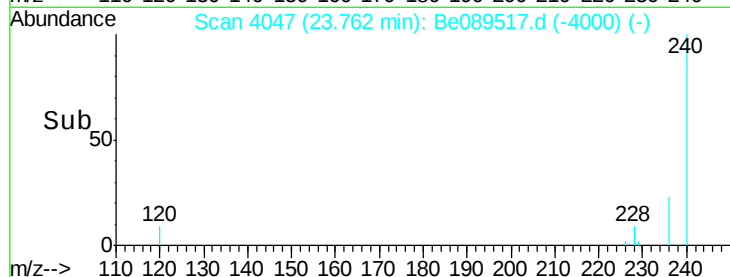
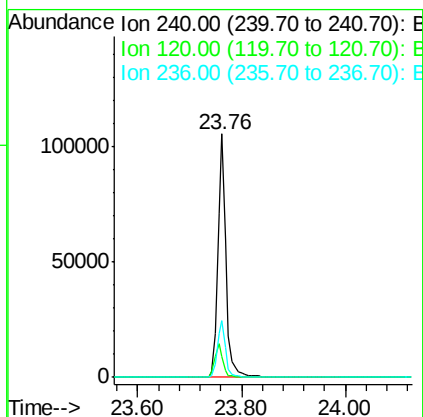
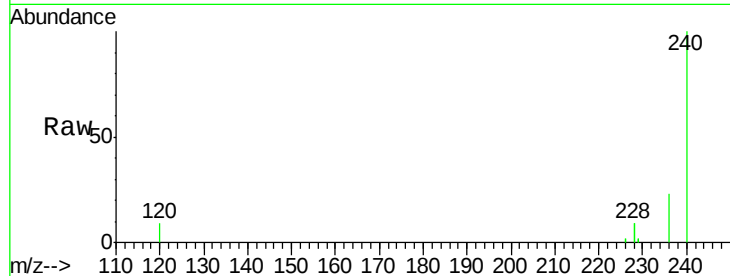




#16
Chrysene-d12
Concen: 5.00 ng
RT: 23.76 min Scan# 4047
Delta R.T. 0.00 min
Lab File: BE089517.d
Acq: 6 Feb 2015 1:35

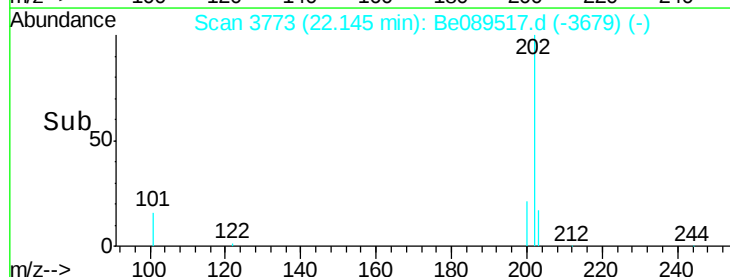
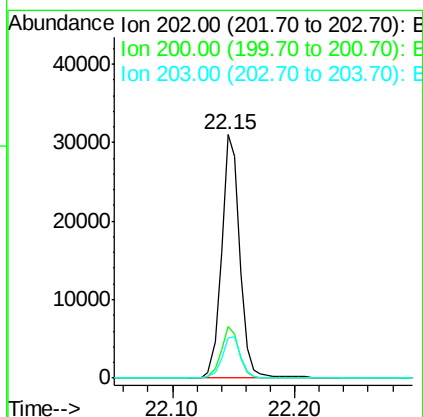
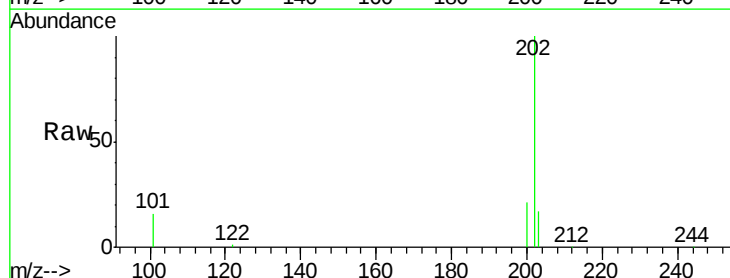
Instrument :
BNA_E
LabSampleId :
SSTDCCC001

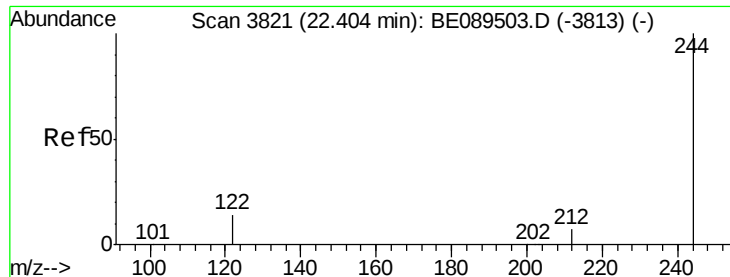
Tot Ion:240 Resp: 114457
Ion Ratio Lower Upper
240 100
120 8.6 9.6 14.4#
236 23.3 19.4 29.2



#17
Pyrene
Concen: 0.97 ng
RT: 22.15 min Scan# 3773
Delta R.T. -0.00 min
Lab File: BE089517.d
Acq: 6 Feb 2015 1:35

Tgt Ion:202 Resp: 31833
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 17.5 14.0 21.0





#18

Terphenyl-d14

Concen: 0.95 ng

RT: 22.40 min Scan# 3822

Delta R.T. 0.00 min

Lab File: BE089517.d

Acq: 6 Feb 2015 1:35

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

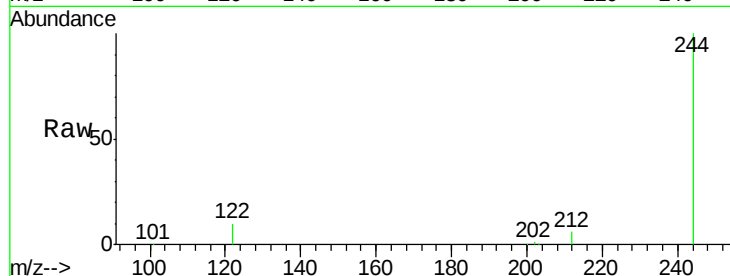
Tot Ion:244 Resp: 18866

Ion Ratio Lower Upper

244 100

212 6.5 5.5 8.3

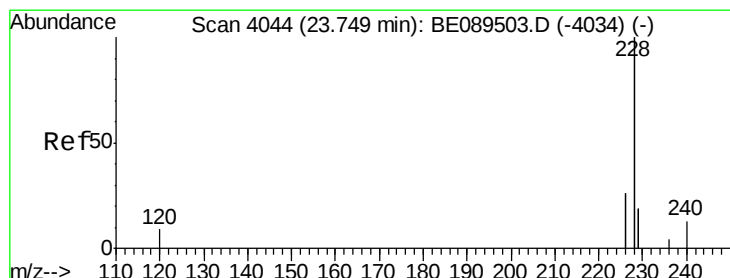
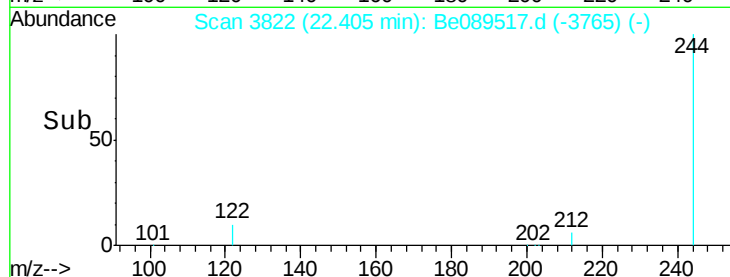
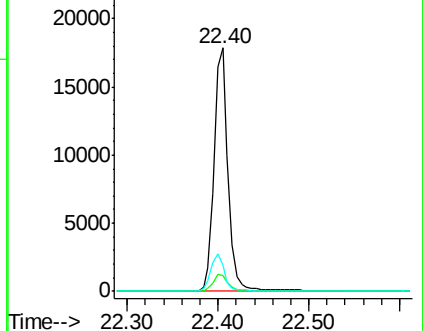
122 10.5 11.1 16.7#



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: 0.85 ng

RT: 23.75 min Scan# 4045

Delta R.T. 0.00 min

Lab File: BE089517.d

Acq: 6 Feb 2015 1:35

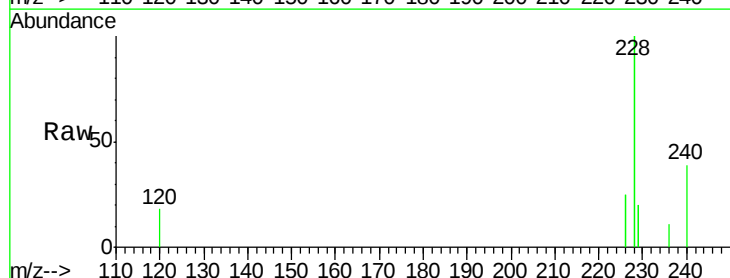
Tgt Ion:228 Resp: 117911

Ion Ratio Lower Upper

228 100

226 24.6 21.0 31.6

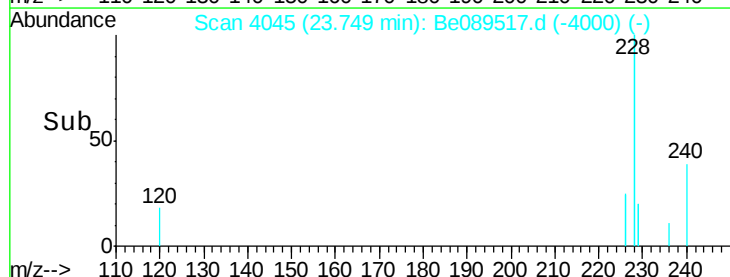
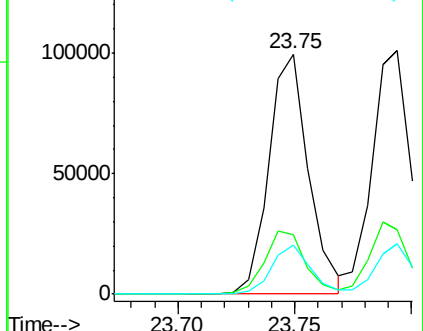
229 20.2 15.5 23.3

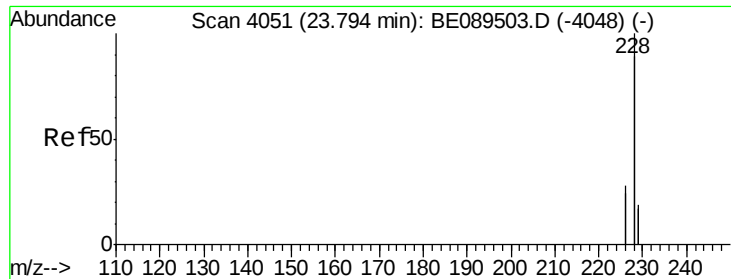


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#20

Chrysene

Concen: 0.92 ng

RT: 23.79 min Scan# 4052

Delta R.T. 0.00 min

Lab File: BE089517.d

Acq: 6 Feb 2015 1:35

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

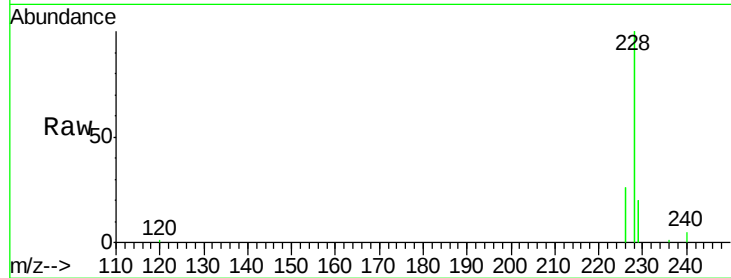
Tot Ion:228 Resp: 129527

Ion Ratio Lower Upper

228 100

226 26.5 22.3 33.5

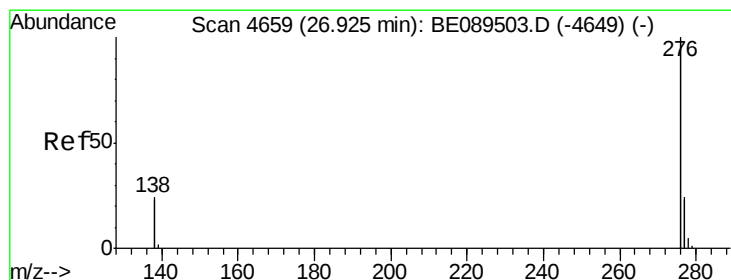
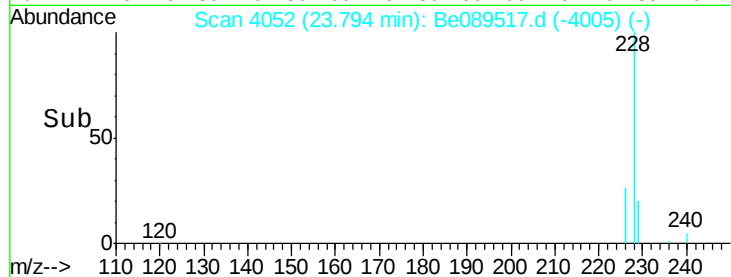
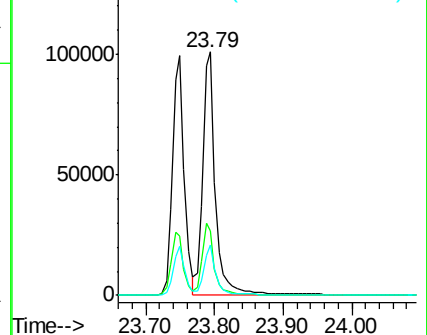
229 20.5 15.4 23.0



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: 0.81 ng

RT: 26.92 min Scan# 4659

Delta R.T. -0.01 min

Lab File: BE089517.d

Acq: 6 Feb 2015 1:35

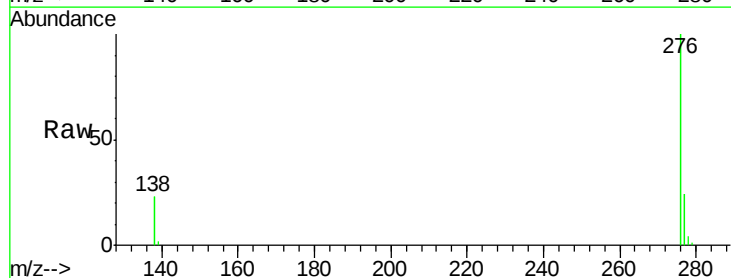
Tgt Ion:276 Resp: 127149

Ion Ratio Lower Upper

276 100

138 27.4 23.2 34.8

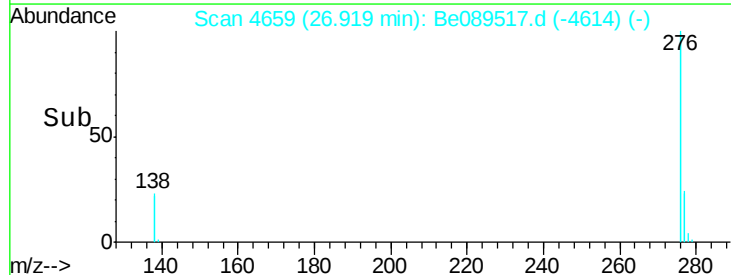
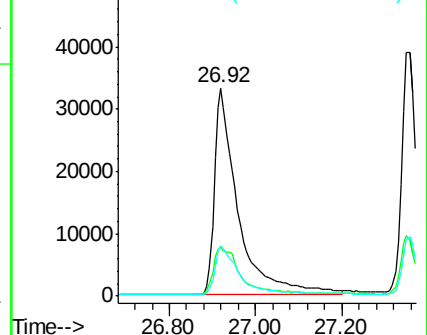
277 25.3 19.8 29.6

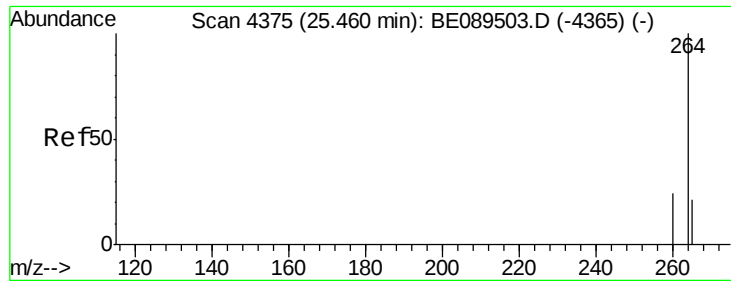


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

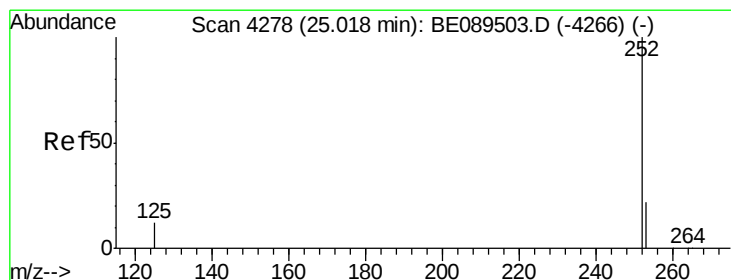
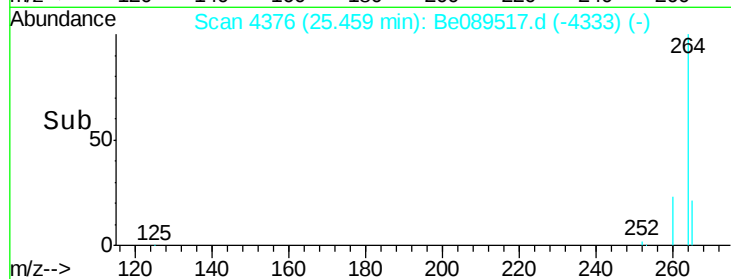
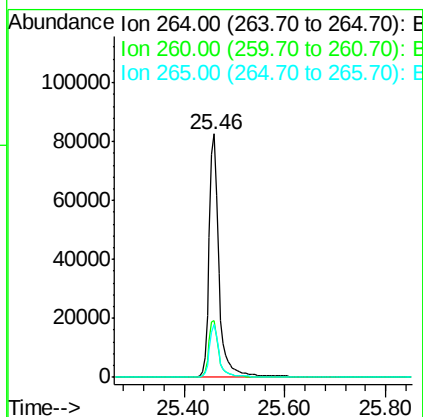
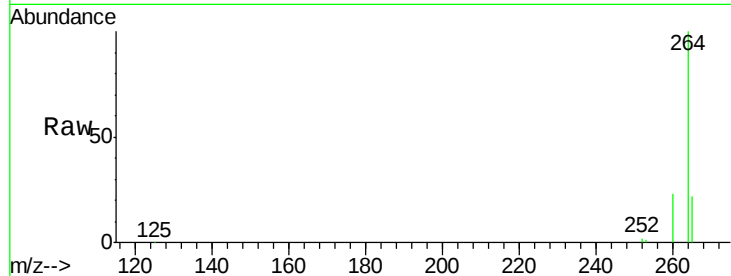




#22
Pervlene-d12
Concen: 5.00 ng
RT: 25.46 min Scan# 4376
Delta R.T. -0.00 min
Lab File: BE089517.d
Acq: 6 Feb 2015 1:35

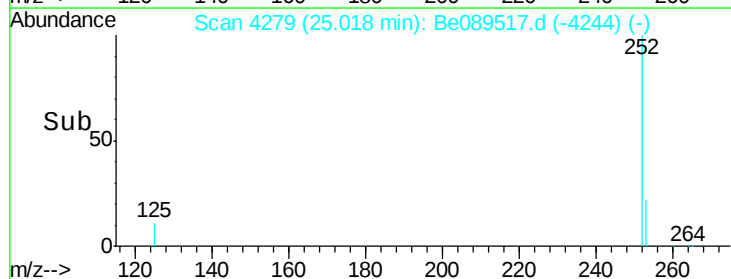
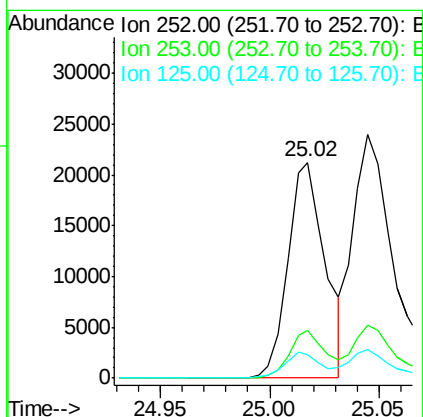
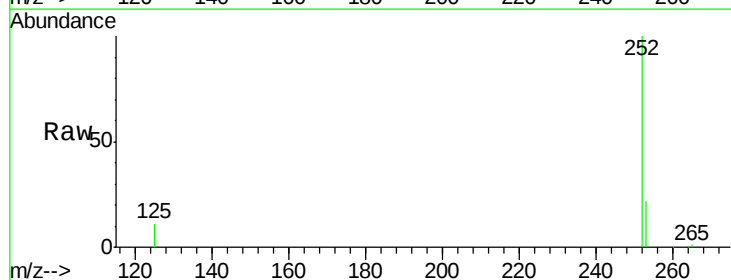
Instrument :
BNA_E
LabSampleId :
SSTDCCC001

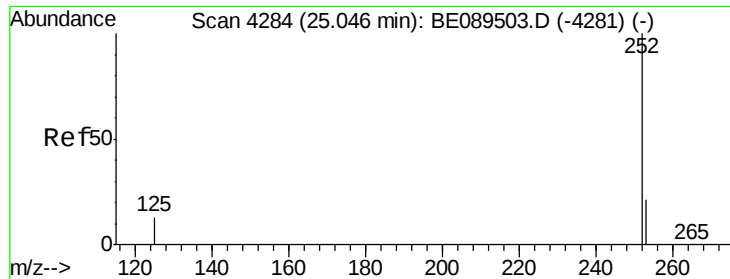
Tot Ion:264 Resp: 111502
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.6
265 21.5 17.0 25.6



#23
Benzo(b)fluoranthene
Concen: 0.83 ng
RT: 25.02 min Scan# 4279
Delta R.T. -0.00 min
Lab File: BE089517.d
Acq: 6 Feb 2015 1:35

Tgt Ion:252 Resp: 25004
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 11.1 9.6 14.4

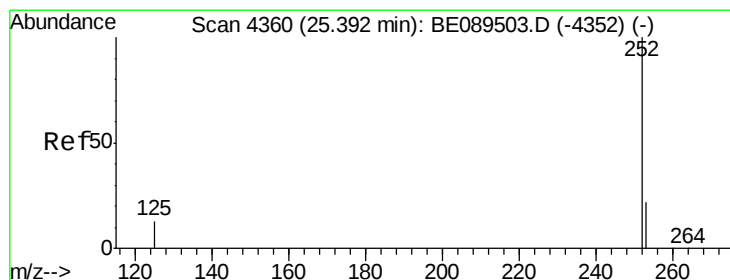
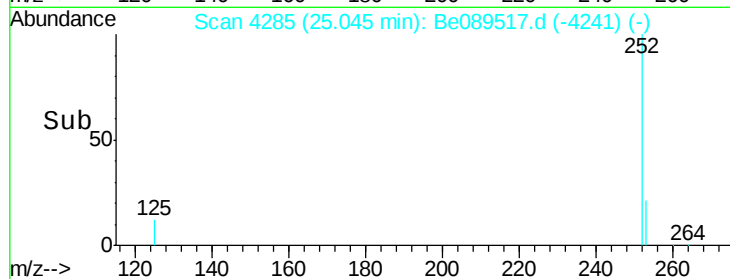
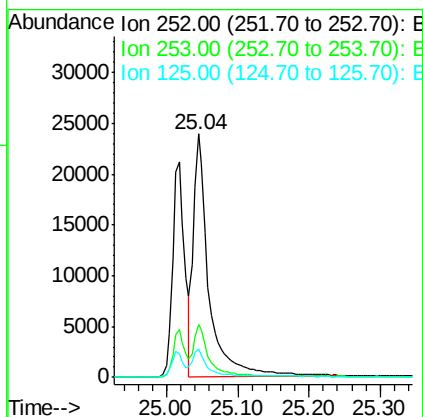
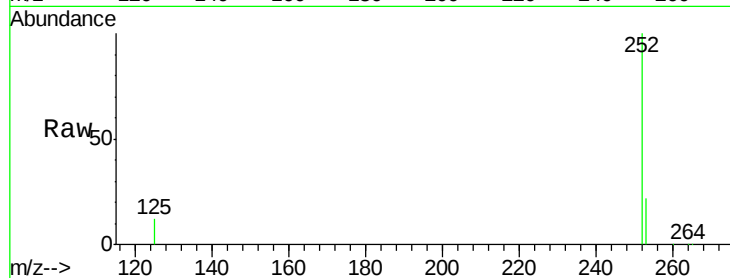




#24
Benzo(k)fluoranthene
Concen: 1.01 ng
RT: 25.04 min Scan# 4285
Delta R.T. -0.00 min
Lab File: Be089517.d
Acq: 6 Feb 2015 1:35

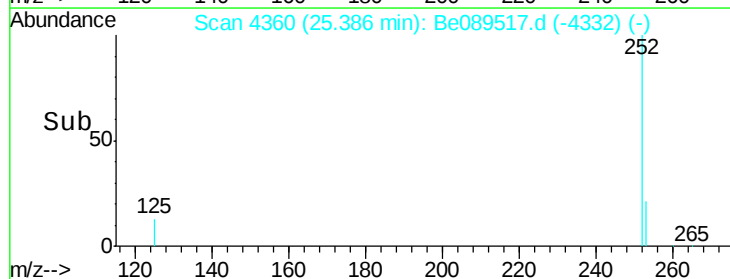
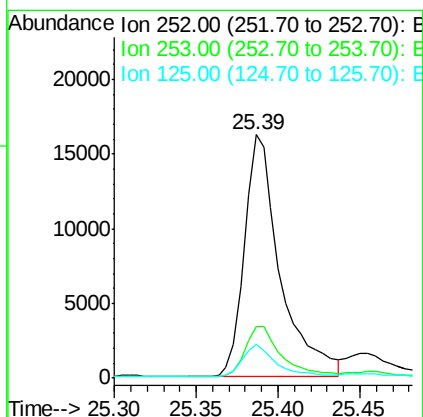
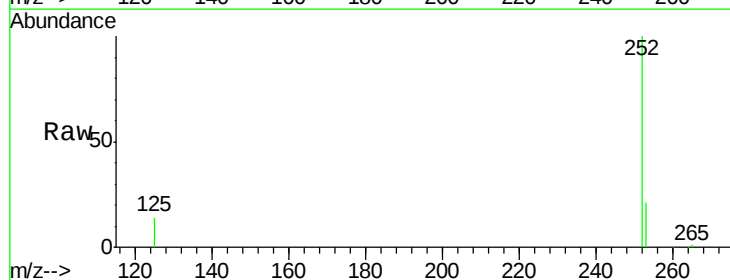
Instrument :
BNA_E
LabSampleId :
SSTDCCC001

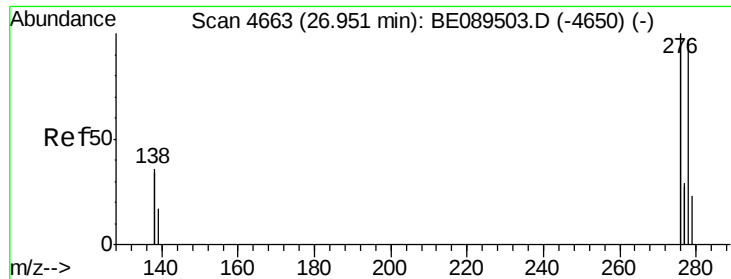
Tot Ion:252 Resp: 35829
Ion Ratio Lower Upper
252 100
253 21.5 17.0 25.6
125 11.8 10.2 15.4



#25
Benzo(a)pyrene
Concen: 0.82 ng
RT: 25.39 min Scan# 4360
Delta R.T. -0.00 min
Lab File: Be089517.d
Acq: 6 Feb 2015 1:35

Tgt Ion:252 Resp: 24562
Ion Ratio Lower Upper
252 100
253 21.4 17.8 26.6
125 13.8 10.7 16.1

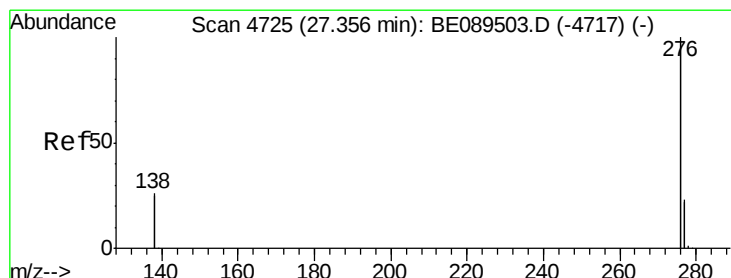
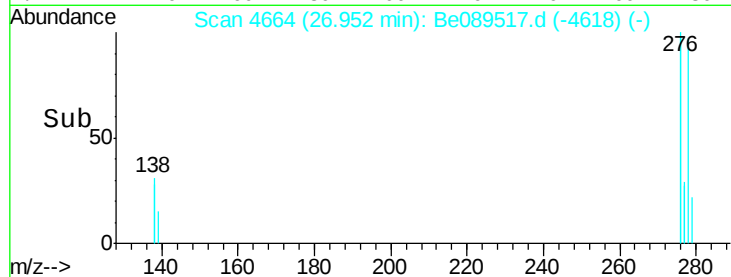
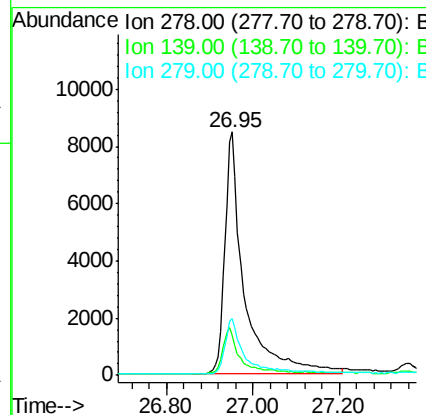
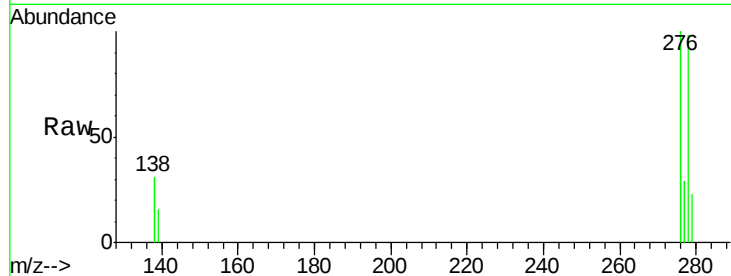




#26
Dibenzo(a,h)anthracene
Concen: 0.82 ng
RT: 26.95 min Scan# 4664
Delta R.T. 0.00 min
Lab File: Be089517.d
Acq: 6 Feb 2015 1:35

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tot Ion:278 Resp: 26859
Ion Ratio Lower Upper
278 100
139 16.6 14.6 22.0
279 23.3 19.0 28.4



#27
Benzo(g,h,i)perylene
Concen: 0.85 ng
RT: 27.35 min Scan# 4725
Delta R.T. -0.01 min
Lab File: Be089517.d
Acq: 6 Feb 2015 1:35

Tgt Ion:276 Resp: 109536
Ion Ratio Lower Upper
276 100
277 23.3 18.6 28.0
138 24.9 20.8 31.2

