

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021015\
 Data File : BE089567.D
 Acq On : 11 Feb 2015 2:56
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc : MDL-WATER-0.1/0.2
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Quant Time: Feb 11 03:51:26 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE021015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 11 01:27:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.41	152	26594	5.00	ng	0.00
2) Naphthalene-d8	12.32	136	97235	5.00	ng	0.00
6) Acenaphthene-d10	16.50	164	38225	5.00	ng	0.00
11) Phenanthrene-d10	19.83	188	73591	5.00	ng	0.00
16) Chrysene-d12	23.71	240	90798	5.00	ng	0.00
22) Perylene-d12	25.40	264	91981	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.68	82	6035	0.97	ng	0.00
7) 2-Fluorobiphenyl	14.95	172	10236	0.99	ng	0.00
18) Terphenyl-d14	22.36	244	11351	1.00	ng	0.00

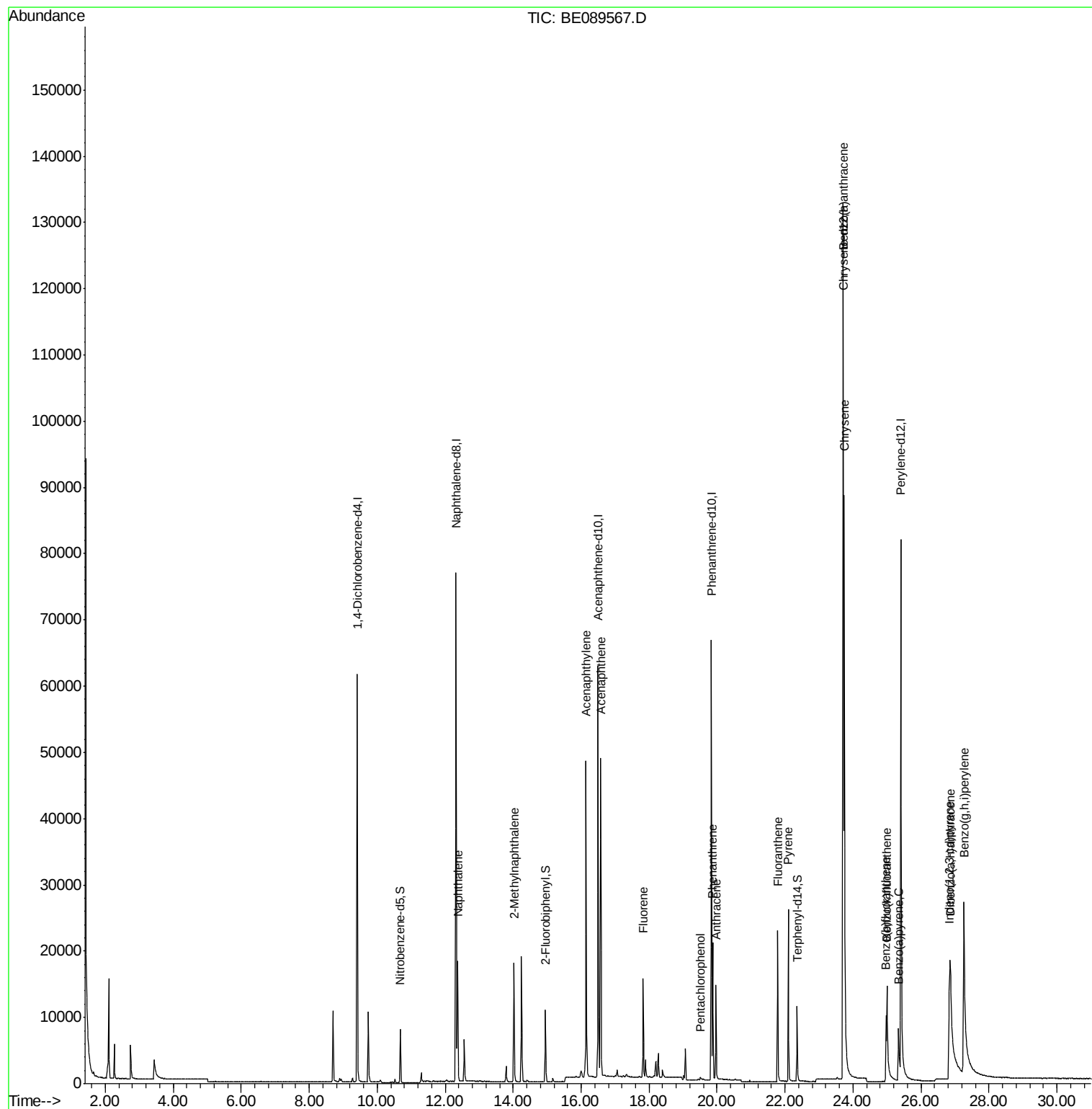
Target Compounds					Qvalue	
4) Naphthalene	12.37	128	21918	1.01	ng	100
5) 2-Methylnaphthalene	14.03	142	12144	1.01	ng	98
8) Acenaphthylene	16.15	152	64218	0.99	ng	100
9) Acenaphthene	16.58	154	10142	0.99	ng	98
10) Fluorene	17.83	166	10974	1.00	ng	98
12) Pentachlorophenol	19.51	266	354	0.92	ng	96
13) Phenanthrene	19.88	178	18008	1.00	ng	99
14) Anthracene	19.97	178	14970	0.98	ng	99
15) Fluoranthene	21.78	202	16967	0.98	ng	99
17) Pyrene	22.10	202	18752	1.03	ng	99
19) Benzo(a)anthracene	23.70	228	67514	0.89	ng	99
20) Chrysene	23.74	228	87397	1.03	ng	100
21) Indeno(1,2,3-cd)pyrene	26.84	276	65040	0.65	ng	99
23) Benzo(b)fluoranthene	24.97	252	9496m	0.73	ng	
24) Benzo(k)fluoranthene	25.00	252	24227m	1.07	ng	
25) Benzo(a)pyrene	25.34	252	11346	0.77	ng	99
26) Dibenzo(a,h)anthracene	26.87	278	12780	0.70	ng	100
27) Benzo(g,h,i)perylene	27.26	276	66227	0.87	ng	97

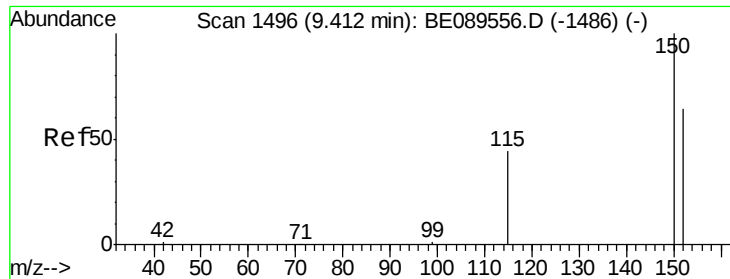
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.41 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BE089567.D

Acq: 11 Feb 2015 2:56

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

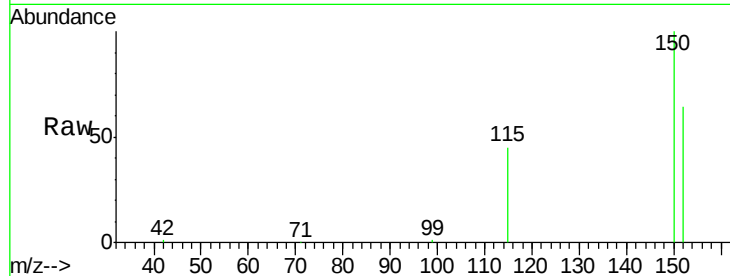
Tgt Ion:152 Resp: 26594

Ion Ratio Lower Upper

152 100

150 156.6 125.6 188.4

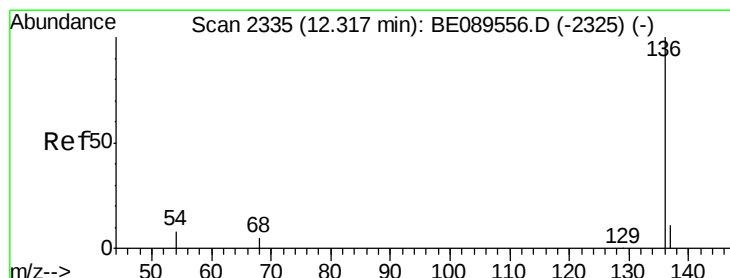
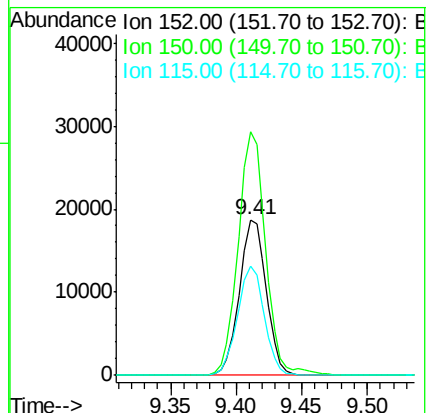
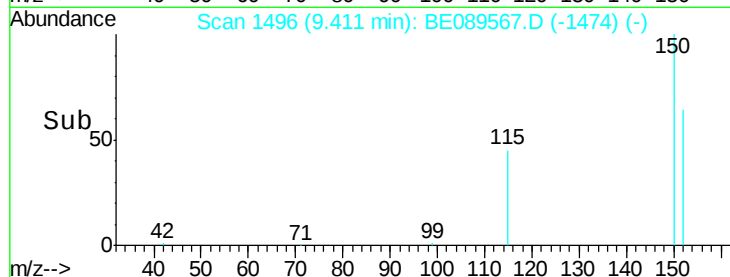
115 70.2 55.8 83.6



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: 12.32 min Scan# 2335

Delta R.T. 0.00 min

Lab File: BE089567.D

Acq: 11 Feb 2015 2:56

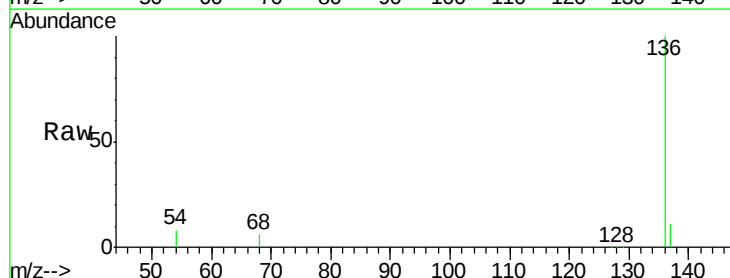
Tgt Ion:136 Resp: 97235

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

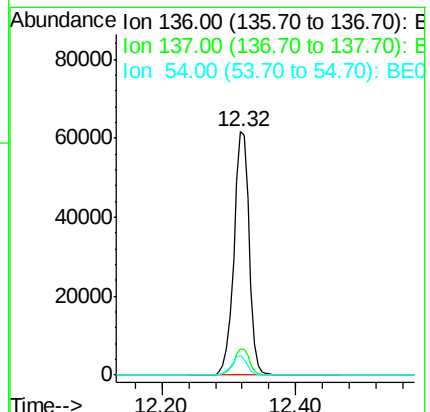
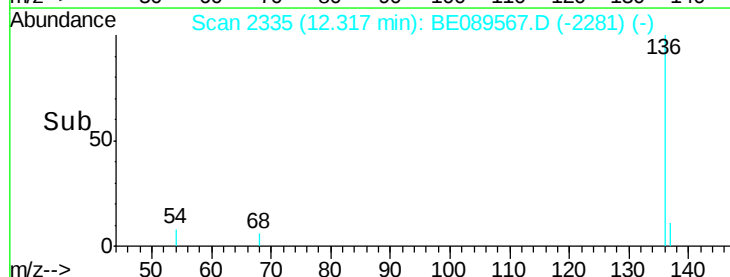
54 8.3 6.6 9.8

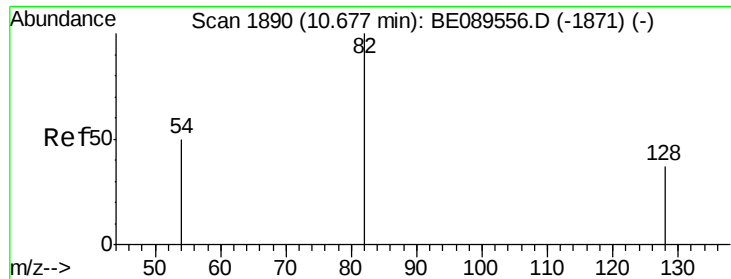


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 0.97 ng

RT: 10.68 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BE089567.D

Acq: 11 Feb 2015 2:56

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

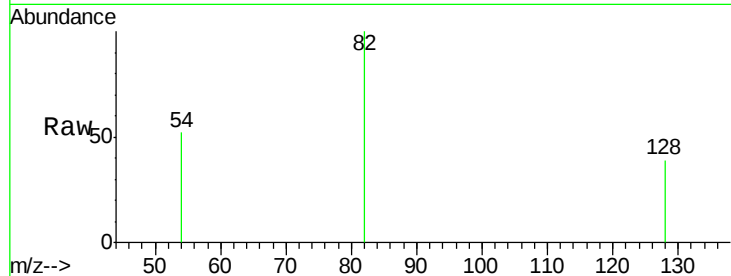
Tgt Ion: 82 Resp: 6035

Ion Ratio Lower Upper

82 100

128 38.9 30.4 45.6

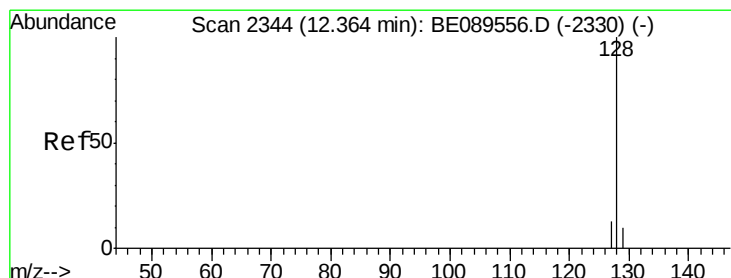
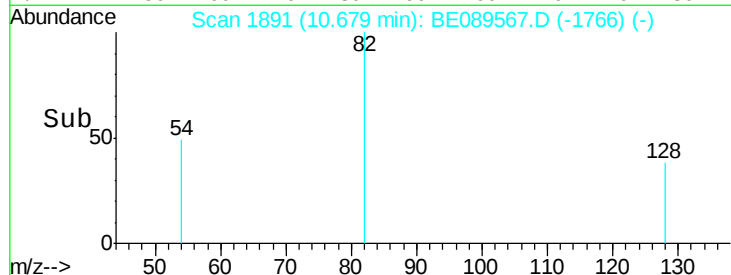
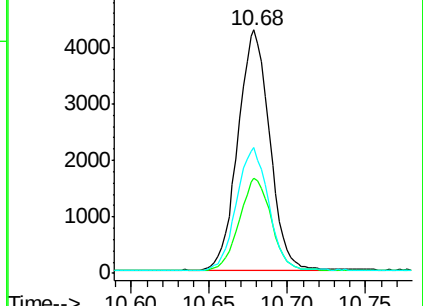
54 51.6 40.7 61.1



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: 1.01 ng

RT: 12.37 min Scan# 2344

Delta R.T. 0.00 min

Lab File: BE089567.D

Acq: 11 Feb 2015 2:56

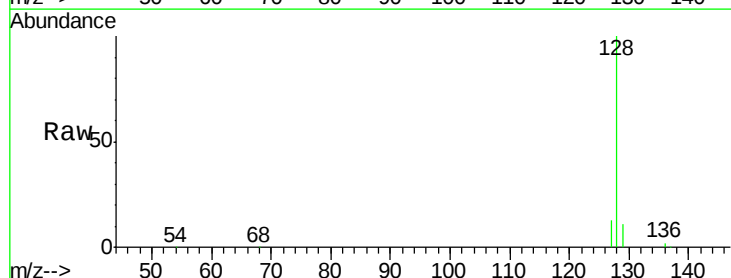
Tgt Ion: 128 Resp: 21918

Ion Ratio Lower Upper

128 100

129 10.8 8.5 12.7

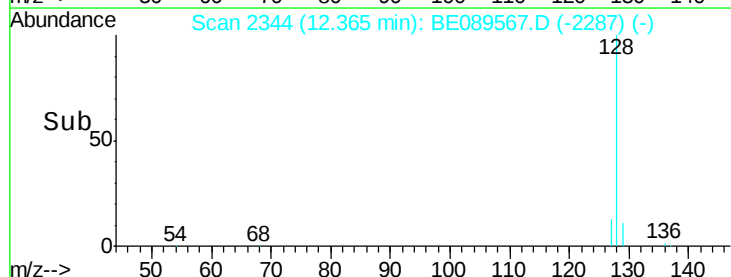
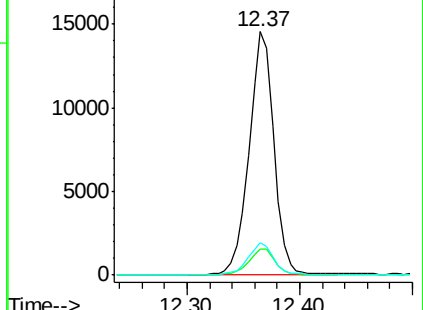
127 13.1 10.6 15.8

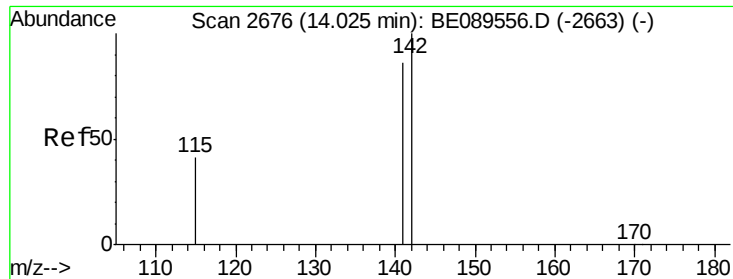


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#5

2-Methylnaphthalene

Concen: 1.01 ng

RT: 14.03 min Scan# 2676

Delta R.T. 0.00 min

Lab File: BE089567.D

Acq: 11 Feb 2015 2:56

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

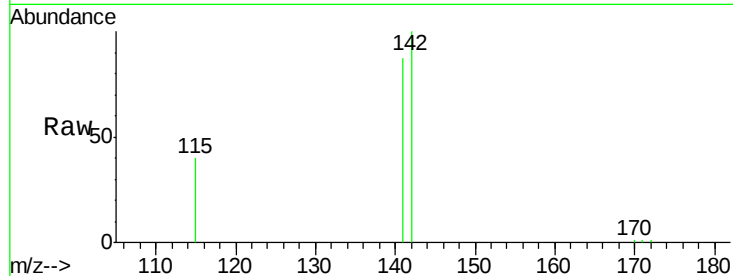
Tgt Ion:142 Resp: 12144

Ion Ratio Lower Upper

142 100

141 87.0 68.6 102.8

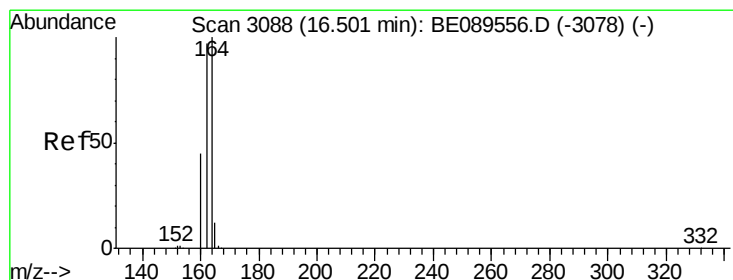
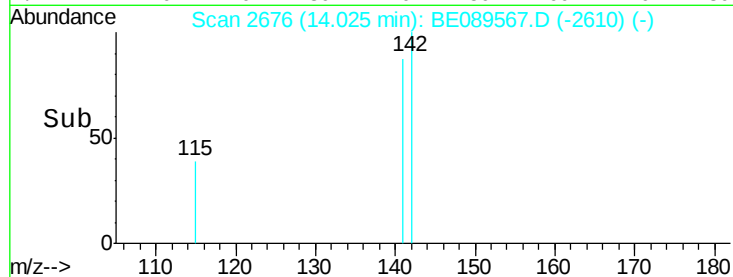
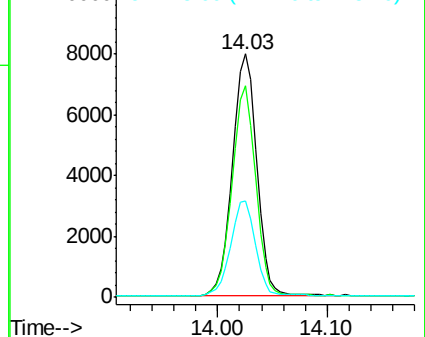
115 39.6 33.0 49.6



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: 16.50 min Scan# 3088

Delta R.T. -0.00 min

Lab File: BE089567.D

Acq: 11 Feb 2015 2:56

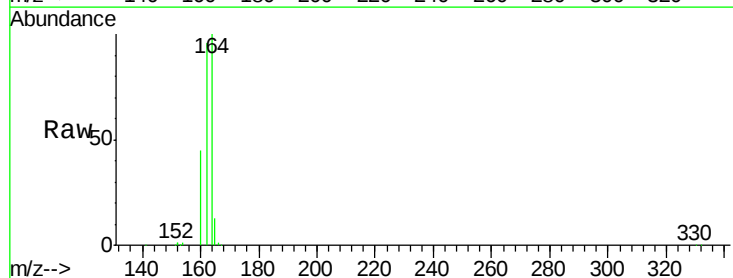
Tgt Ion:164 Resp: 38225

Ion Ratio Lower Upper

164 100

162 96.2 77.8 116.6

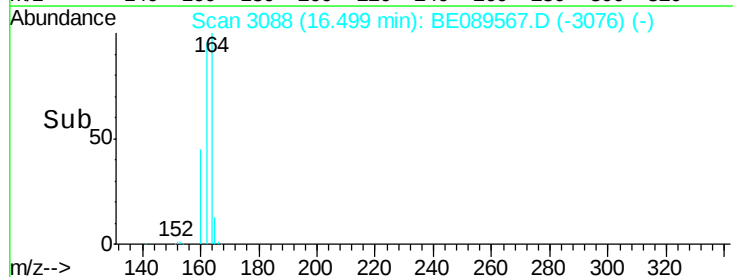
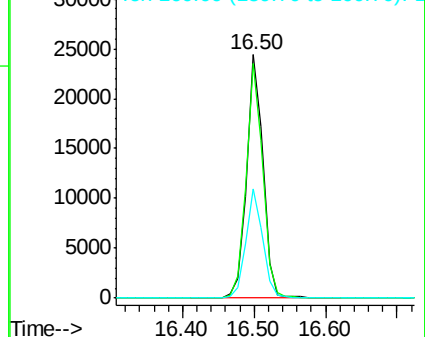
160 44.9 36.2 54.2

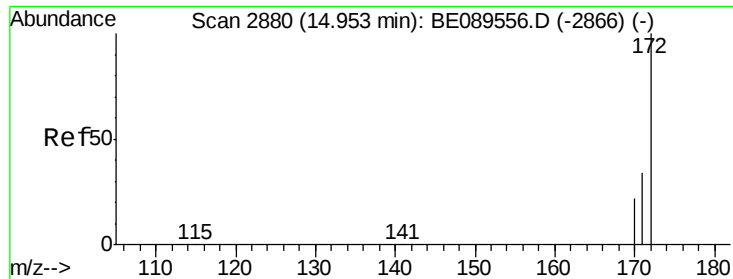


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 0.99 ng

RT: 14.95 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BE089567.D

Acq: 11 Feb 2015 2:56

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

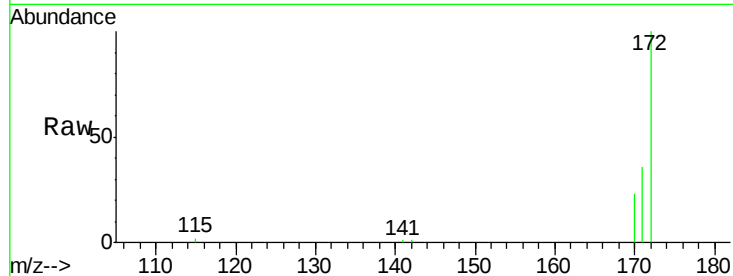
Tgt Ion:172 Resp: 10236

Ion Ratio Lower Upper

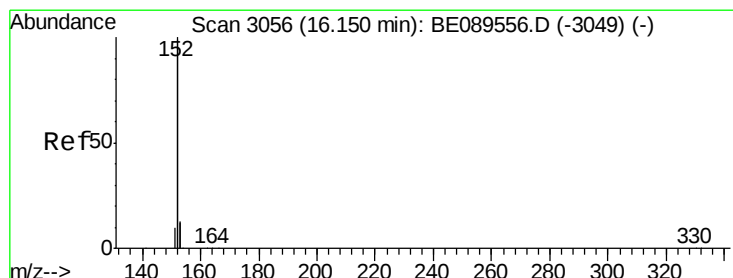
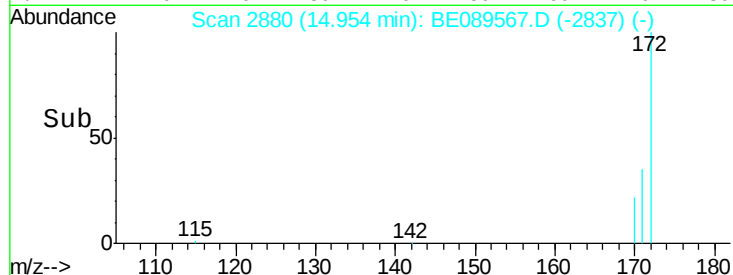
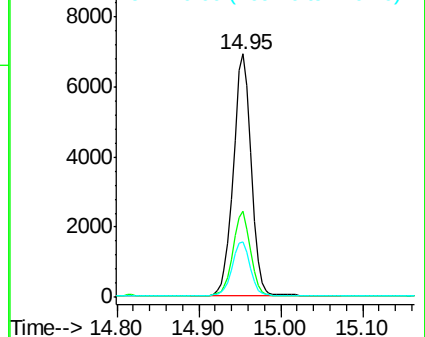
172 100

171 35.6 27.4 41.0

170 22.7 18.3 27.5



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: 0.99 ng

RT: 16.15 min Scan# 3056

Delta R.T. -0.00 min

Lab File: BE089567.D

Acq: 11 Feb 2015 2:56

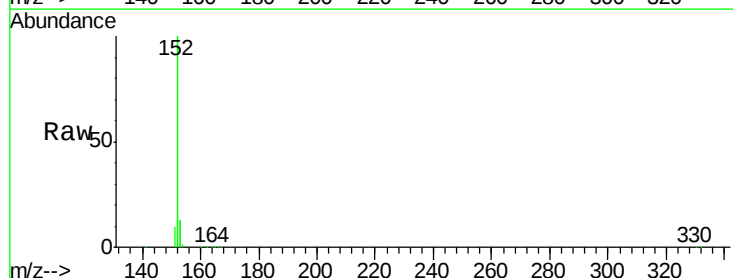
Tgt Ion:152 Resp: 64218

Ion Ratio Lower Upper

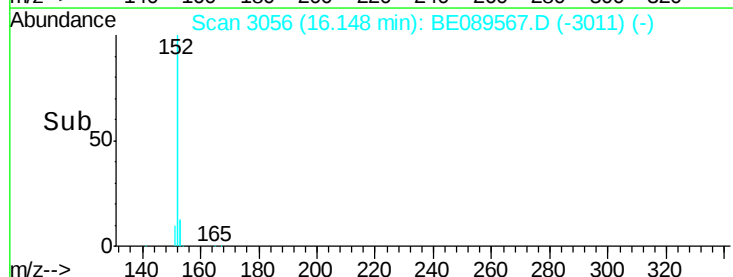
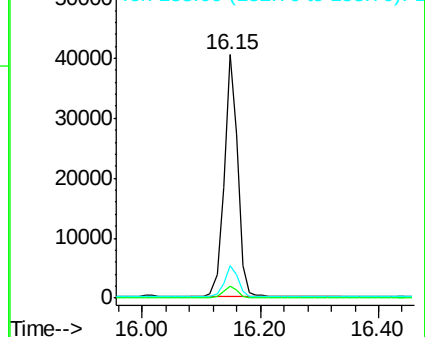
152 100

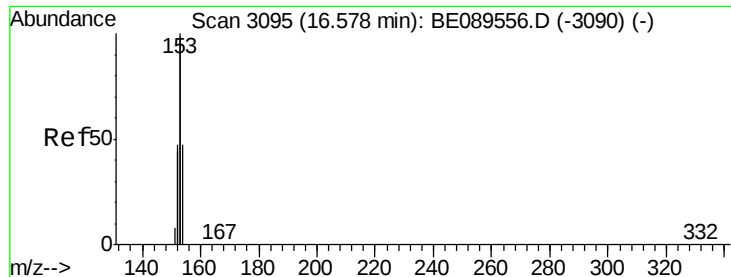
151 4.8 3.9 5.9

153 13.0 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: 0.99 ng

RT: 16.58 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BE089567.D

Acq: 11 Feb 2015 2:56

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

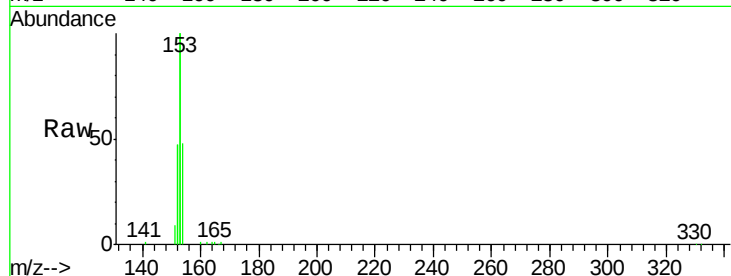
Tgt Ion:154 Resp: 10142

Ion Ratio Lower Upper

154 100

153 433.3 349.0 523.4

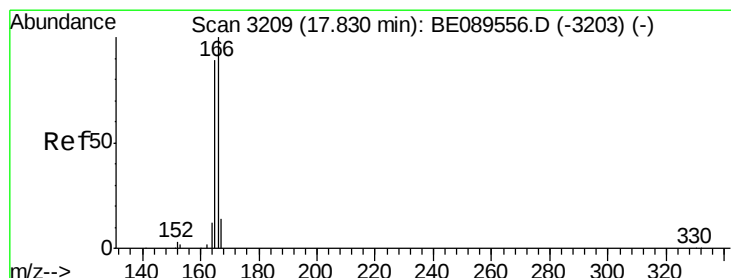
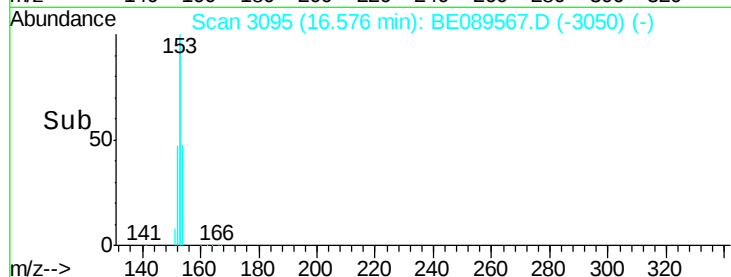
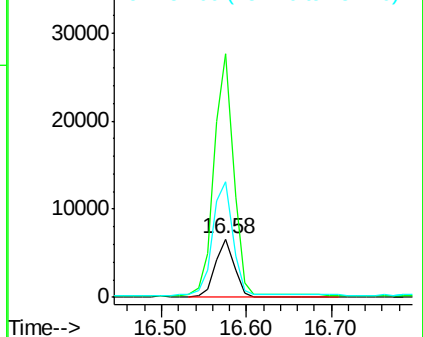
152 211.8 173.0 259.4



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: 1.00 ng

RT: 17.83 min Scan# 3209

Delta R.T. -0.00 min

Lab File: BE089567.D

Acq: 11 Feb 2015 2:56

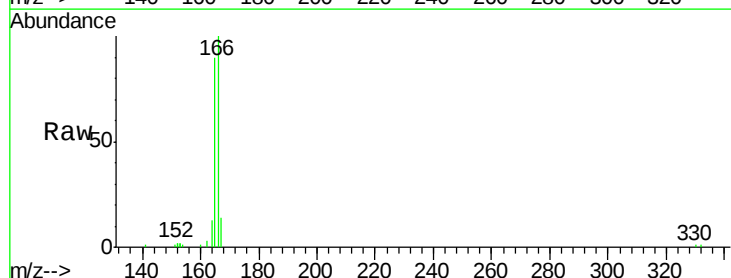
Tgt Ion:166 Resp: 10974

Ion Ratio Lower Upper

166 100

165 91.3 75.1 112.7

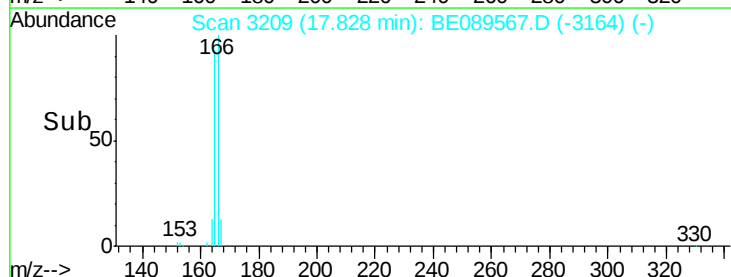
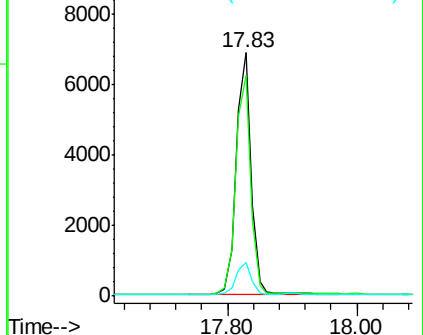
167 13.1 10.6 16.0

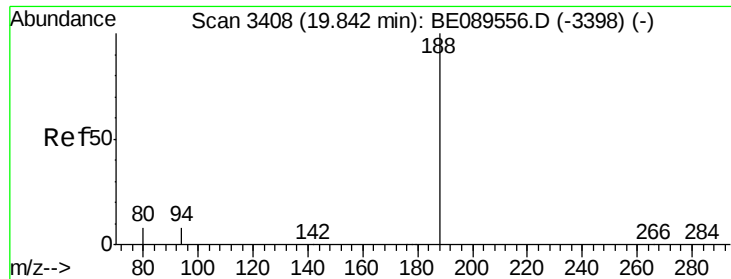


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

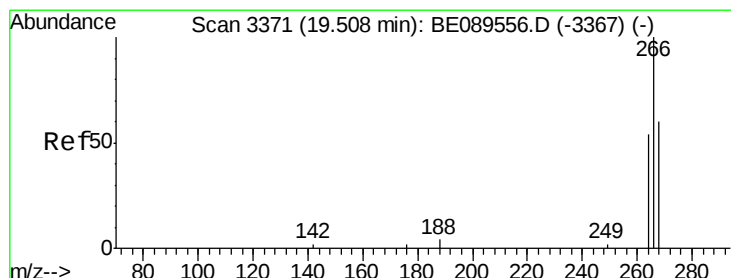
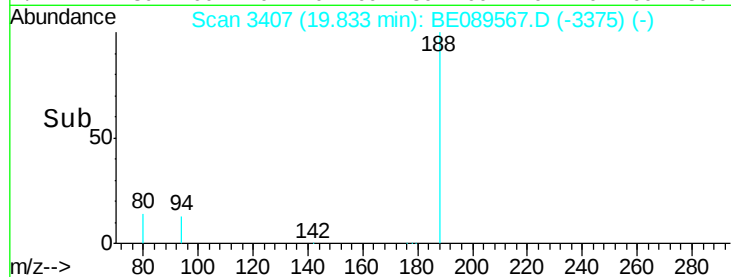
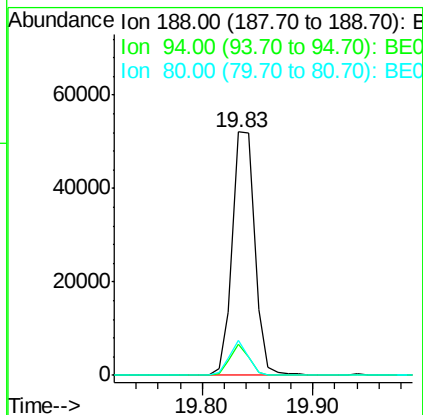
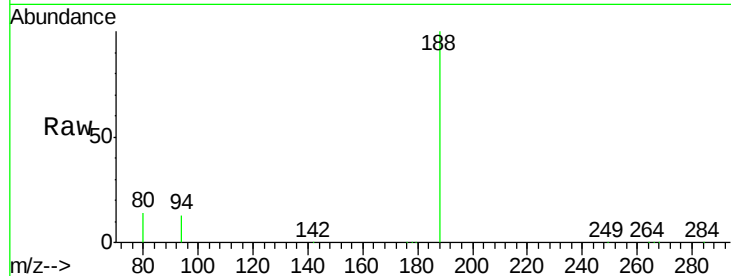




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.83 min Scan# 3407
Delta R.T. -0.01 min
Lab File: BE089567.D
Acq: 11 Feb 2015 2:56

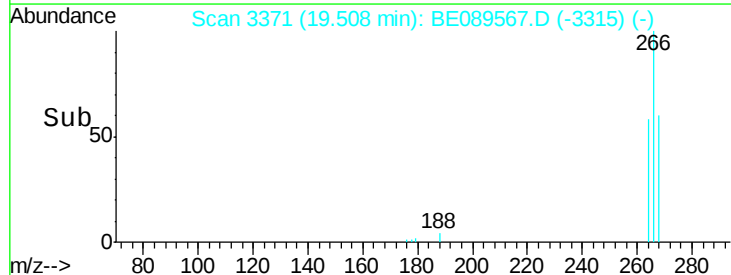
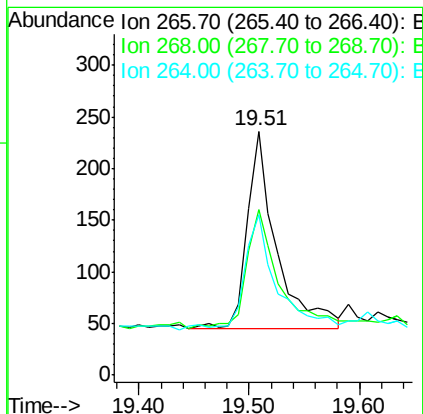
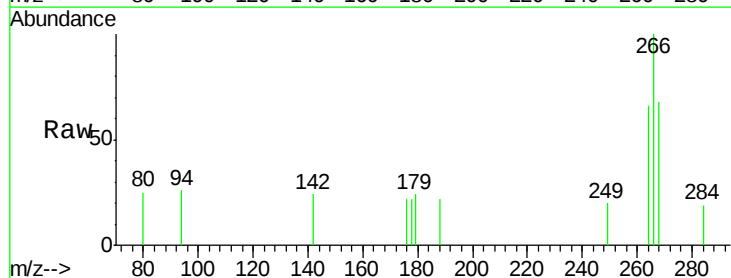
Instrument :
BNA_E
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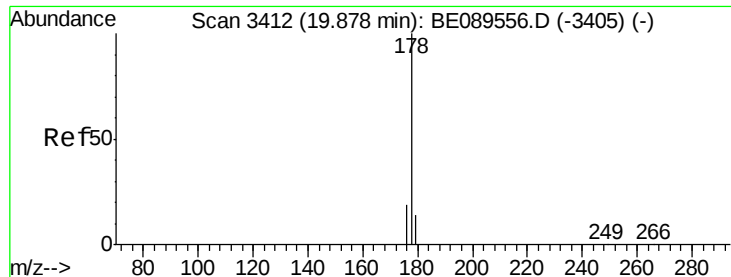
Tgt Ion:188 Resp: 73591
Ion Ratio Lower Upper
188 100
94 13.0 6.2 9.2#
80 14.3 6.4 9.6#



#12
Pentachlorophenol
Concen: 0.92 ng
RT: 19.51 min Scan# 3371
Delta R.T. 0.00 min
Lab File: BE089567.D
Acq: 11 Feb 2015 2:56

Tgt Ion:266 Resp: 354
Ion Ratio Lower Upper
266 100
268 67.8 57.9 86.9
264 65.7 54.6 81.8

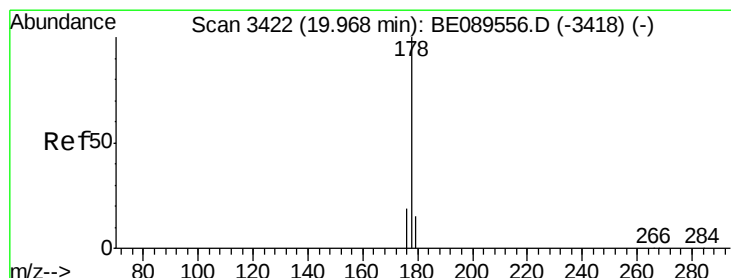
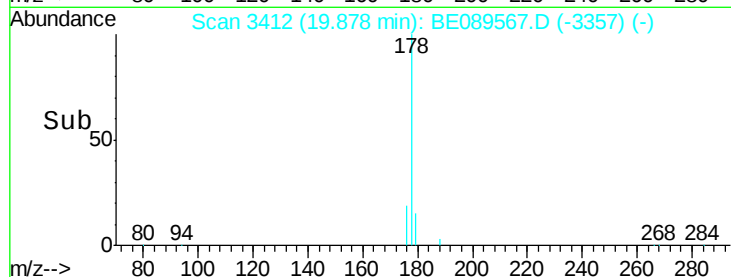
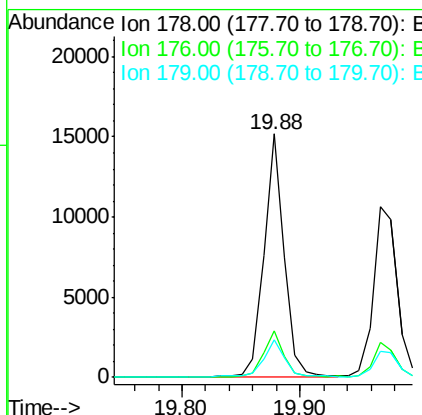
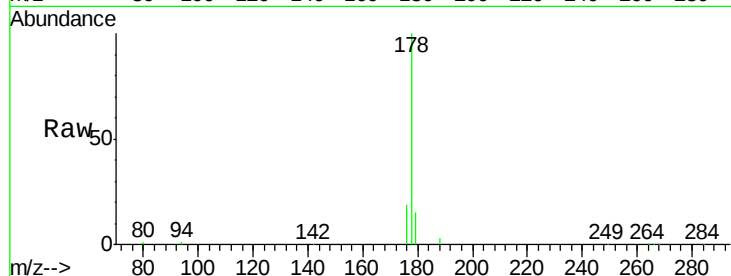




#13
Phenanthrene
Concen: 1.00 ng
RT: 19.88 min Scan# 3412
Delta R.T. -0.00 min
Lab File: BE089567.D
Acq: 11 Feb 2015 2:56

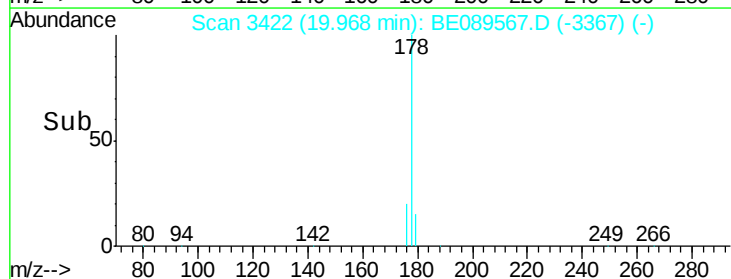
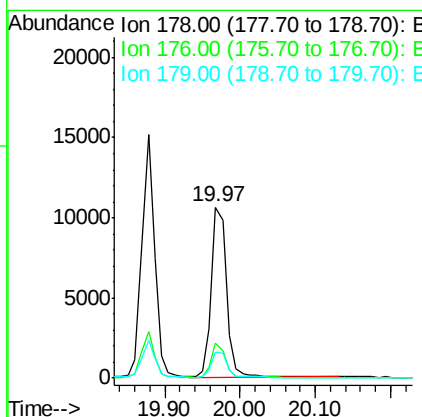
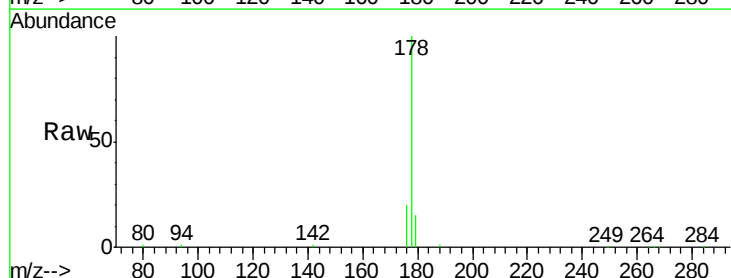
Instrument :
BNA_E
LabSampleId :
SSTDCCC001

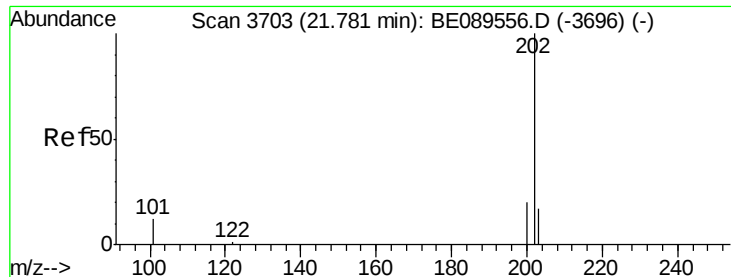
Tgt Ion:178 Resp: 18008
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.4 12.1 18.1



#14
Anthracene
Concen: 0.98 ng
RT: 19.97 min Scan# 3422
Delta R.T. -0.00 min
Lab File: BE089567.D
Acq: 11 Feb 2015 2:56

Tgt Ion:178 Resp: 14970
Ion Ratio Lower Upper
178 100
176 18.6 14.6 21.8
179 15.2 12.7 19.1

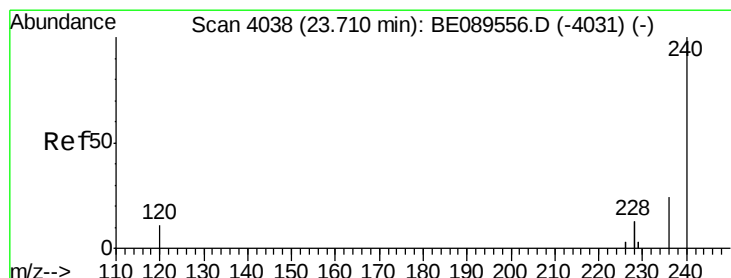
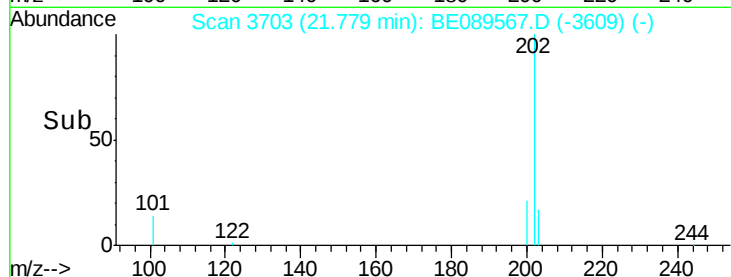
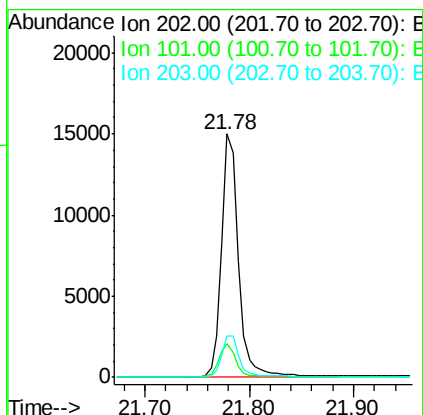
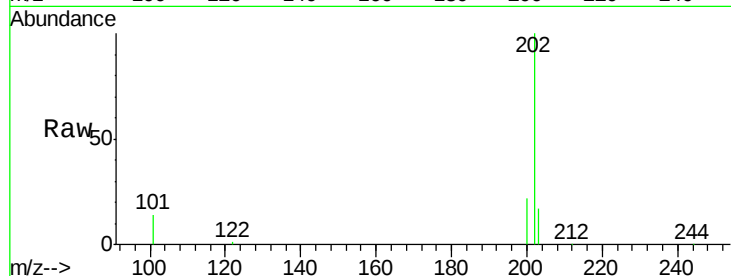




#15
 Fluoranthene
 Concen: 0.98 ng
 RT: 21.78 min Scan# 3703
 Delta R.T. -0.00 min
 Lab File: BE089567.D
 Acq: 11 Feb 2015 2:56

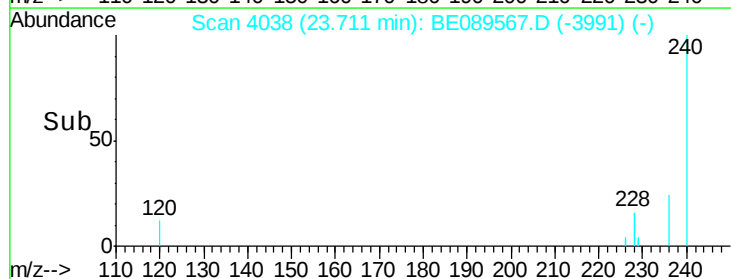
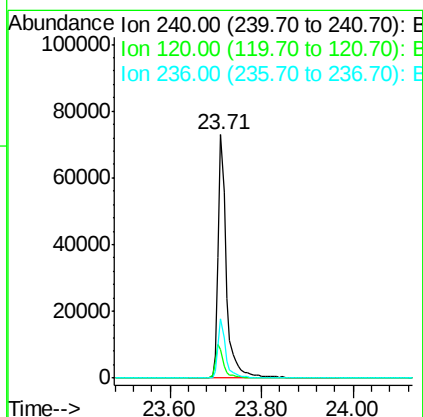
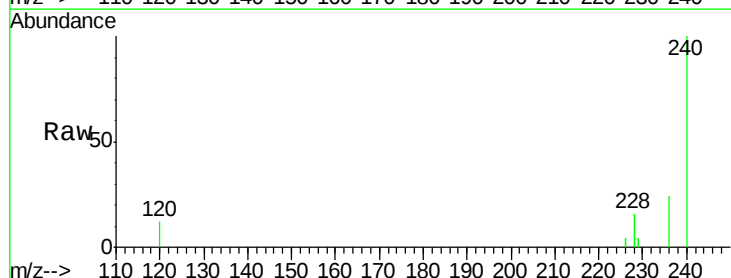
Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

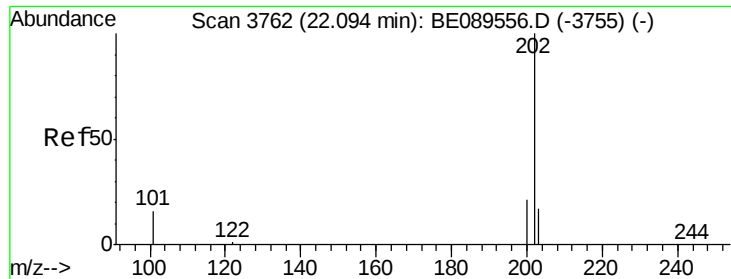
Tgt Ion: 202 Resp: 16967
 Ion Ratio Lower Upper
 202 100
 101 13.2 10.4 15.6
 203 17.3 13.6 20.4



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.71 min Scan# 4038
 Delta R.T. 0.00 min
 Lab File: BE089567.D
 Acq: 11 Feb 2015 2:56

Tgt Ion: 240 Resp: 90798
 Ion Ratio Lower Upper
 240 100
 120 11.6 9.3 13.9
 236 24.1 19.3 28.9

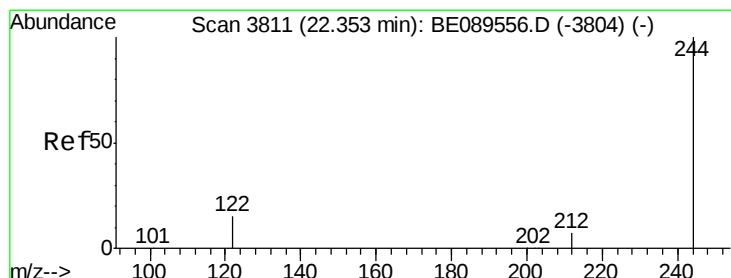
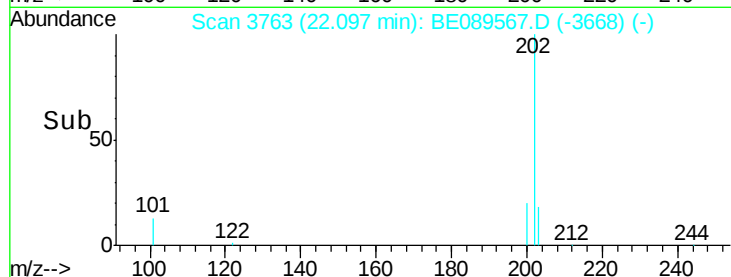
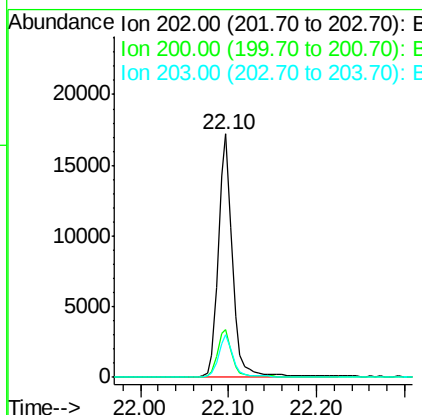
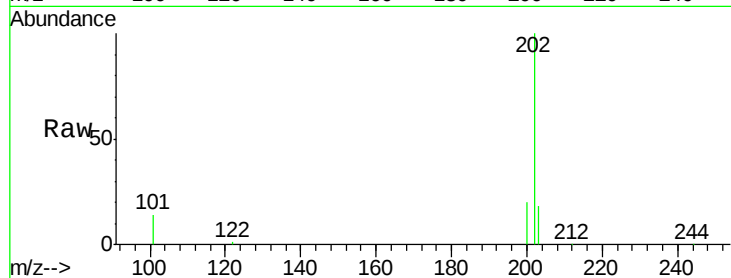




#17
 Pyrene
 Concen: 1.03 ng
 RT: 22.10 min Scan# 3763
 Delta R.T. 0.00 min
 Lab File: BE089567.D
 Acq: 11 Feb 2015 2:56

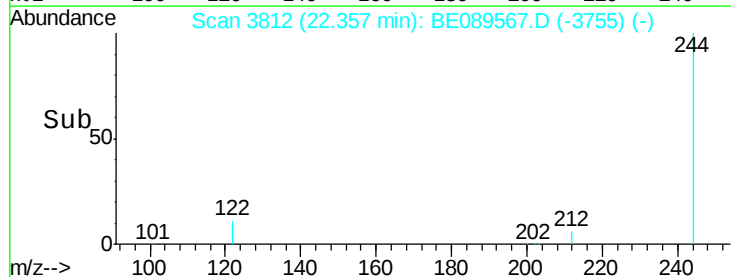
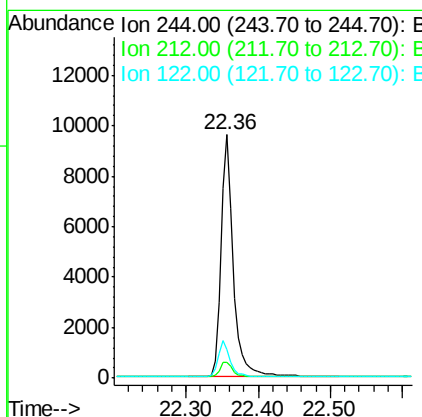
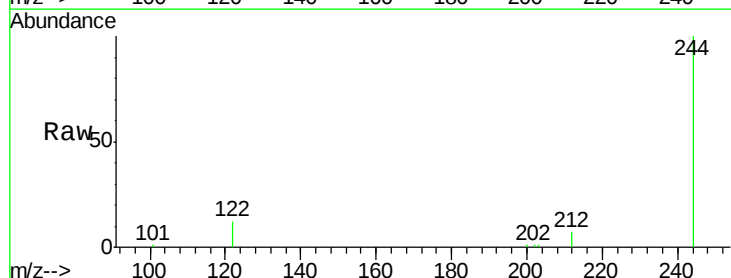
Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

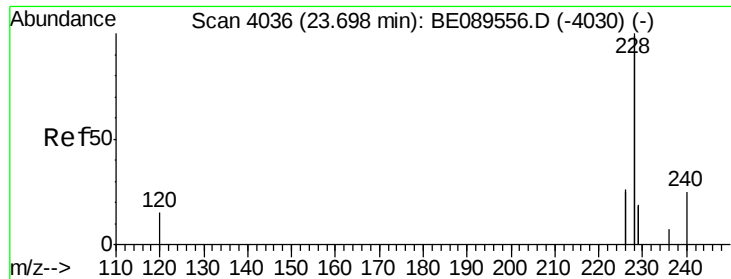
Tgt Ion: 202 Resp: 18752
 Ion Ratio Lower Upper
 202 100
 200 20.2 16.6 24.8
 203 17.2 14.2 21.2



#18
 Terphenyl-d14
 Concen: 1.00 ng
 RT: 22.36 min Scan# 3812
 Delta R.T. 0.00 min
 Lab File: BE089567.D
 Acq: 11 Feb 2015 2:56

Tgt Ion: 244 Resp: 11351
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.9 8.9
 122 11.7 12.2 18.2#





#19

Benzo(a)anthracene

Concen: 0.89 ng

RT: 23.70 min Scan# 4036

Delta R.T. 0.00 min

Lab File: BE089567.D

Acq: 11 Feb 2015 2:56

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

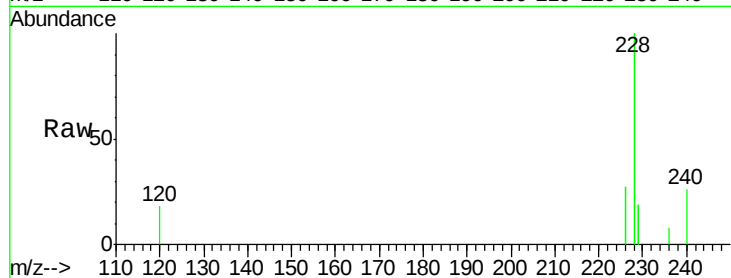
Tgt Ion:228 Resp: 67514

Ion Ratio Lower Upper

228 100

226 27.0 21.0 31.4

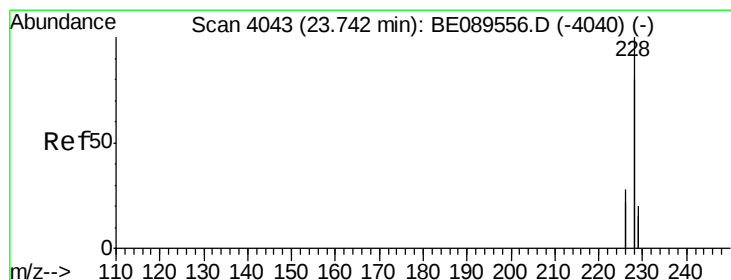
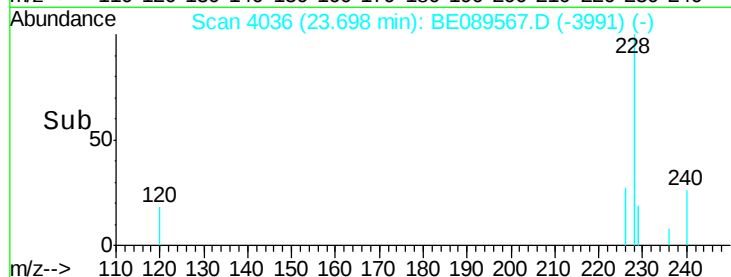
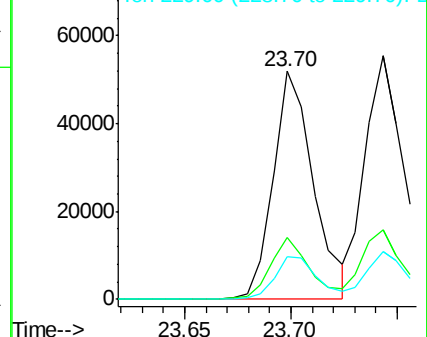
229 18.8 15.2 22.8



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: 1.03 ng

RT: 23.74 min Scan# 4043

Delta R.T. 0.00 min

Lab File: BE089567.D

Acq: 11 Feb 2015 2:56

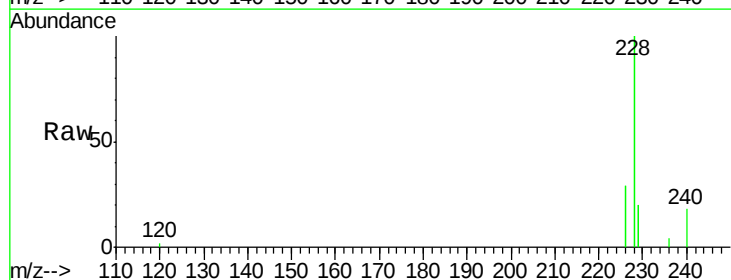
Tgt Ion:228 Resp: 87397

Ion Ratio Lower Upper

228 100

226 28.6 22.6 34.0

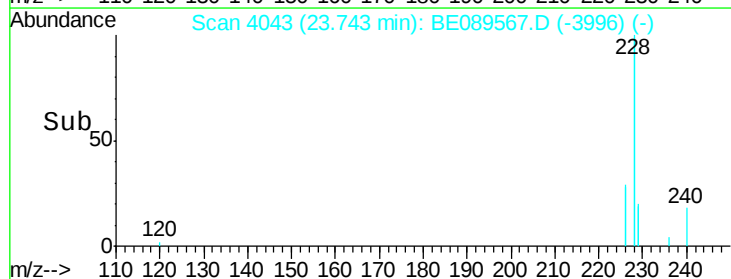
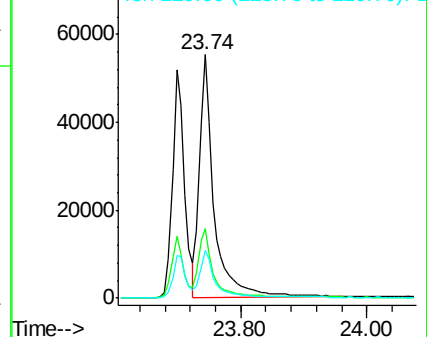
229 19.6 15.6 23.4

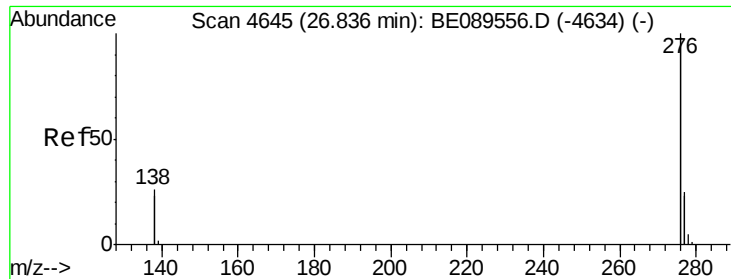


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

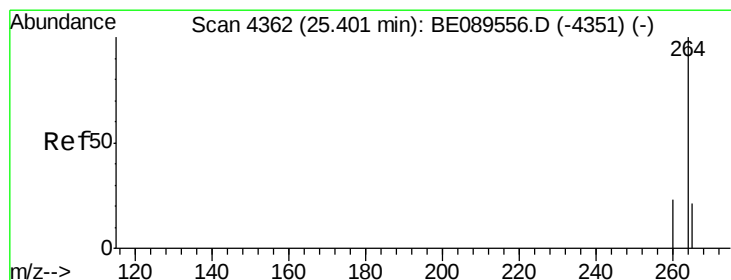
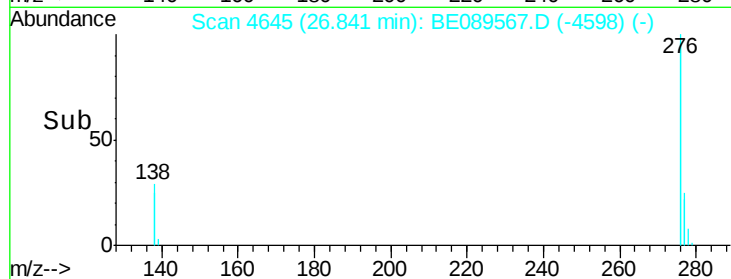
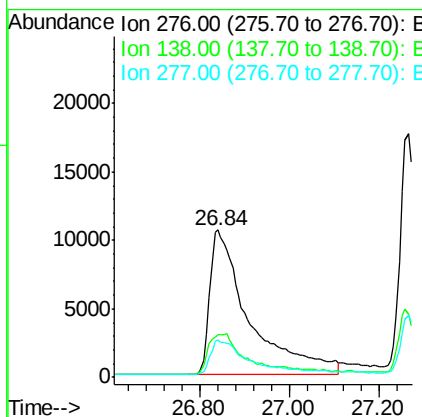
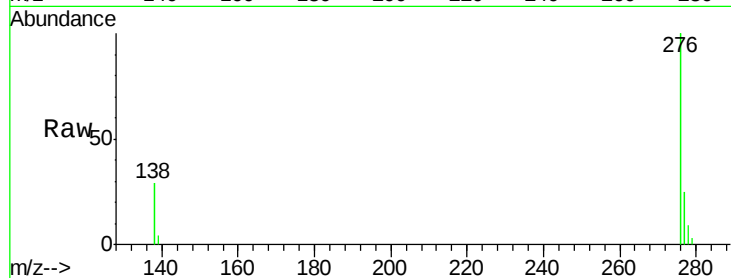




#21
 Indeno(1,2,3-cd)pyrene
 Concen: 0.65 ng
 RT: 26.84 min Scan# 4645
 Delta R.T. 0.01 min
 Lab File: BE089567.D
 Acq: 11 Feb 2015 2:56

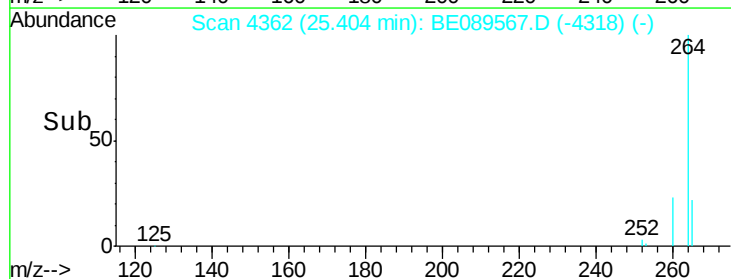
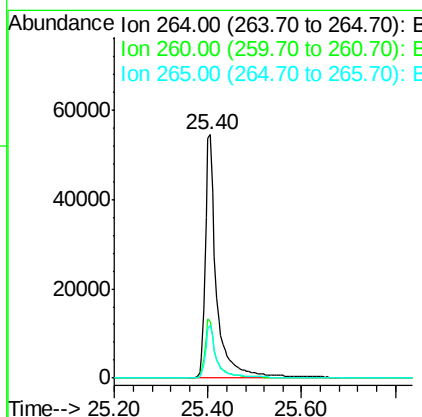
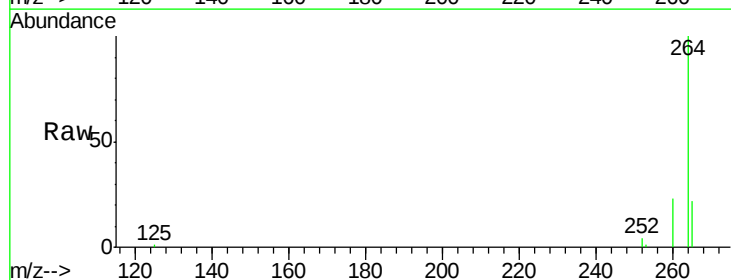
Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

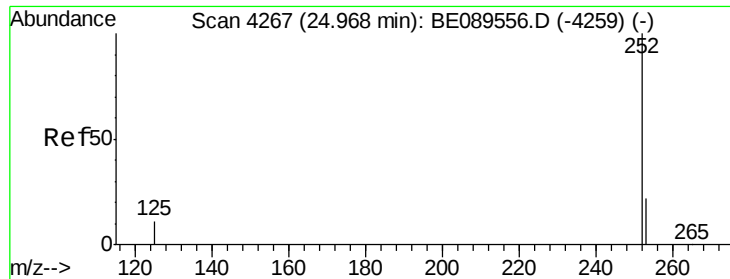
Tgt Ion: 276 Resp: 65040
 Ion Ratio Lower Upper
 276 100
 138 24.8 20.2 30.4
 277 25.1 19.6 29.4



#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.40 min Scan# 4362
 Delta R.T. 0.00 min
 Lab File: BE089567.D
 Acq: 11 Feb 2015 2:56

Tgt Ion: 264 Resp: 91981
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.7 28.1
 265 21.8 16.8 25.2





#23

Benzo(b)fluoranthene

Concen: 0.73 ng m

RT: 24.97 min Scan# 4266

Delta R.T. -0.00 min

Lab File: BE089567.D

Acq: 11 Feb 2015 2:56

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

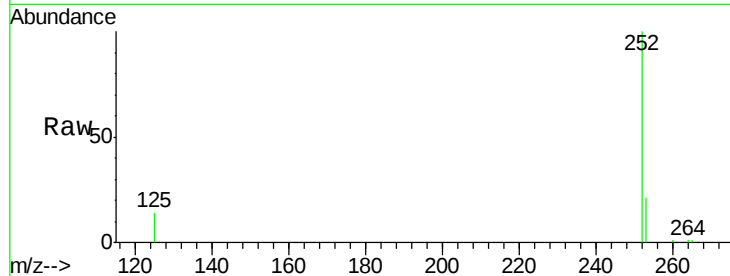
Tgt Ion:252 Resp: 9496

Ion Ratio Lower Upper

252 100

253 21.3 17.8 26.8

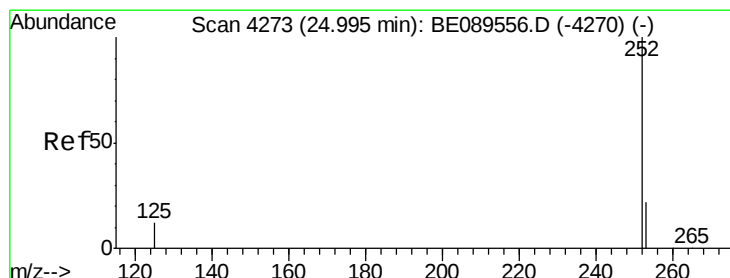
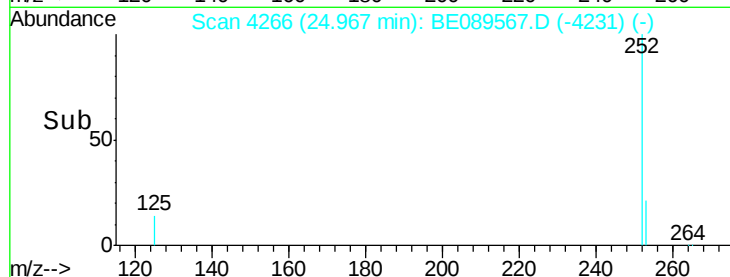
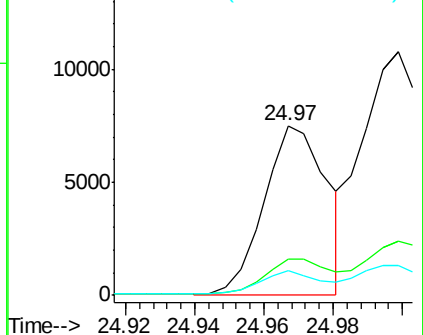
125 14.2 9.3 13.9#



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: 1.07 ng m

RT: 25.00 min Scan# 4273

Delta R.T. 0.00 min

Lab File: BE089567.D

Acq: 11 Feb 2015 2:56

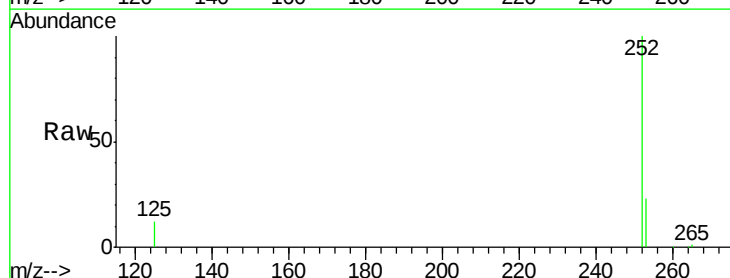
Tgt Ion:252 Resp: 24227

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

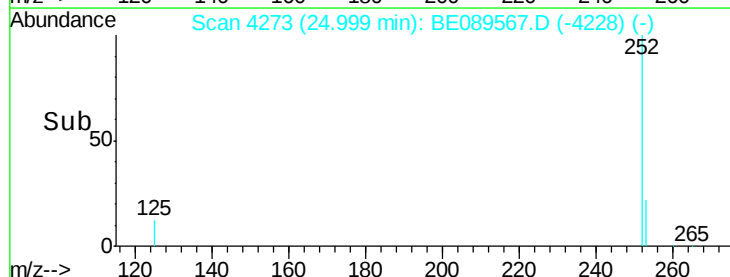
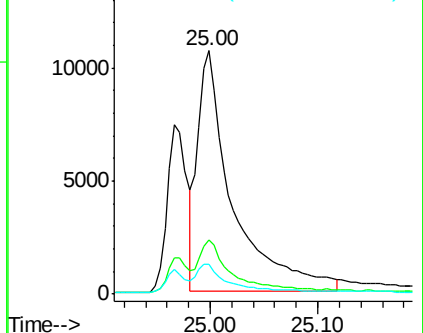
125 12.4 9.6 14.4

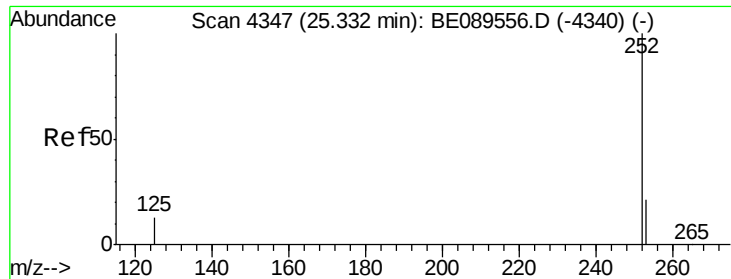


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.77 ng

RT: 25.34 min Scan# 4347

Delta R.T. 0.00 min

Lab File: BE089567.D

Acq: 11 Feb 2015 2:56

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

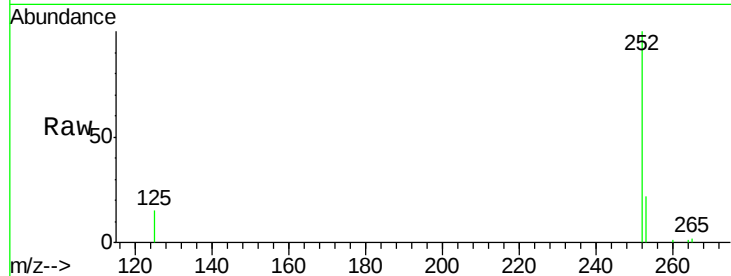
Tgt Ion: 252 Resp: 11346

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

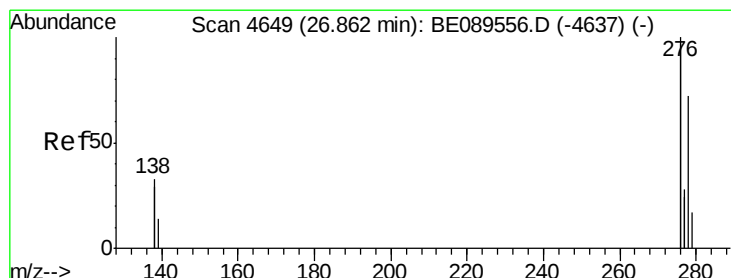
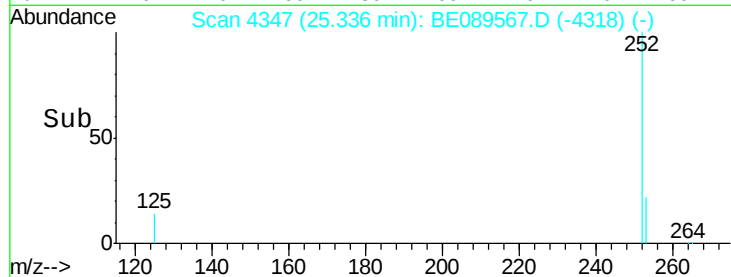
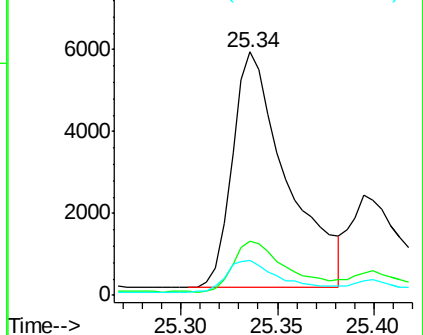
125 14.5 11.1 16.7



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: 0.70 ng

RT: 26.87 min Scan# 4649

Delta R.T. 0.01 min

Lab File: BE089567.D

Acq: 11 Feb 2015 2:56

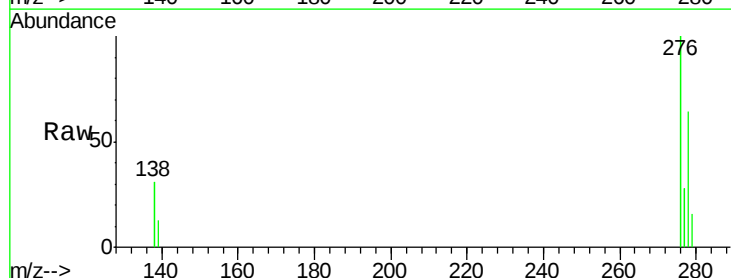
Tgt Ion: 278 Resp: 12780

Ion Ratio Lower Upper

278 100

139 20.1 16.1 24.1

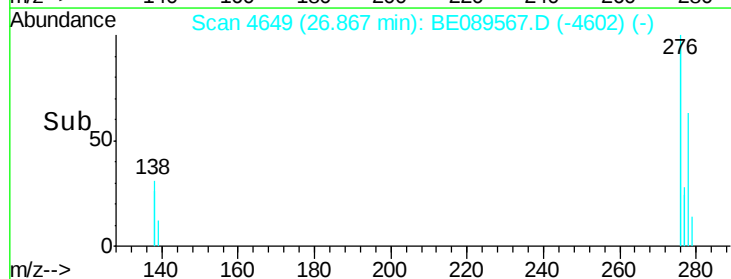
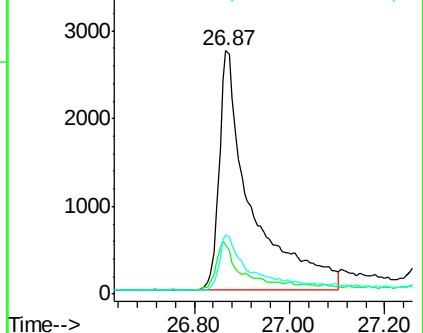
279 24.4 19.6 29.4

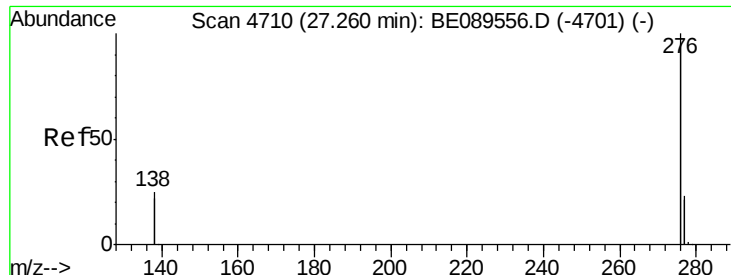


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

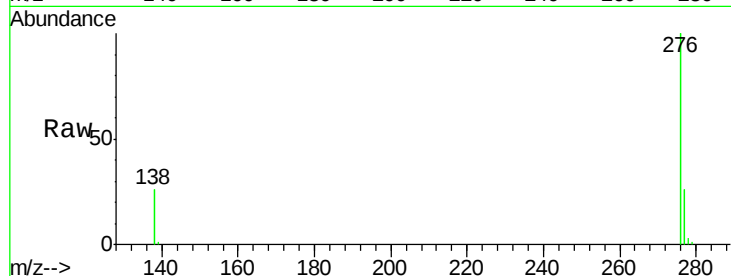




#27
 Benzo(g,h,i)perylene
 Concen: 0.87 ng
 RT: 27.26 min Scan# 4710
 Delta R.T. 0.01 min
 Lab File: BE089567.D
 Acq: 11 Feb 2015 2:56

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.7	28.1
138	25.9	19.7	29.5



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

