

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089541.D
 Acq On : 7 Feb 2015 00:58
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Quant Time: Feb 07 05:55:29 2015
 Quant Method : Z:\HPCHEM1\BNA_E\methods\SIMPAH-BE020615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 07 04:07:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.42	152	30887	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	113601	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	41746	5.00	ng	0.00
11) Phenanthrene-d10	19.85	188	69561	5.00	ng	0.00
16) Chrysene-d12	23.72	240	85278	5.00	ng	0.00
22) Perylene-d12	25.41	264	98282	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.69	82	6796	0.90	ng	0.00
7) 2-Fluorobiphenyl	14.96	172	11103	1.00	ng	0.00
18) Terphenyl-d14	22.36	244	9852	0.88	ng	0.00

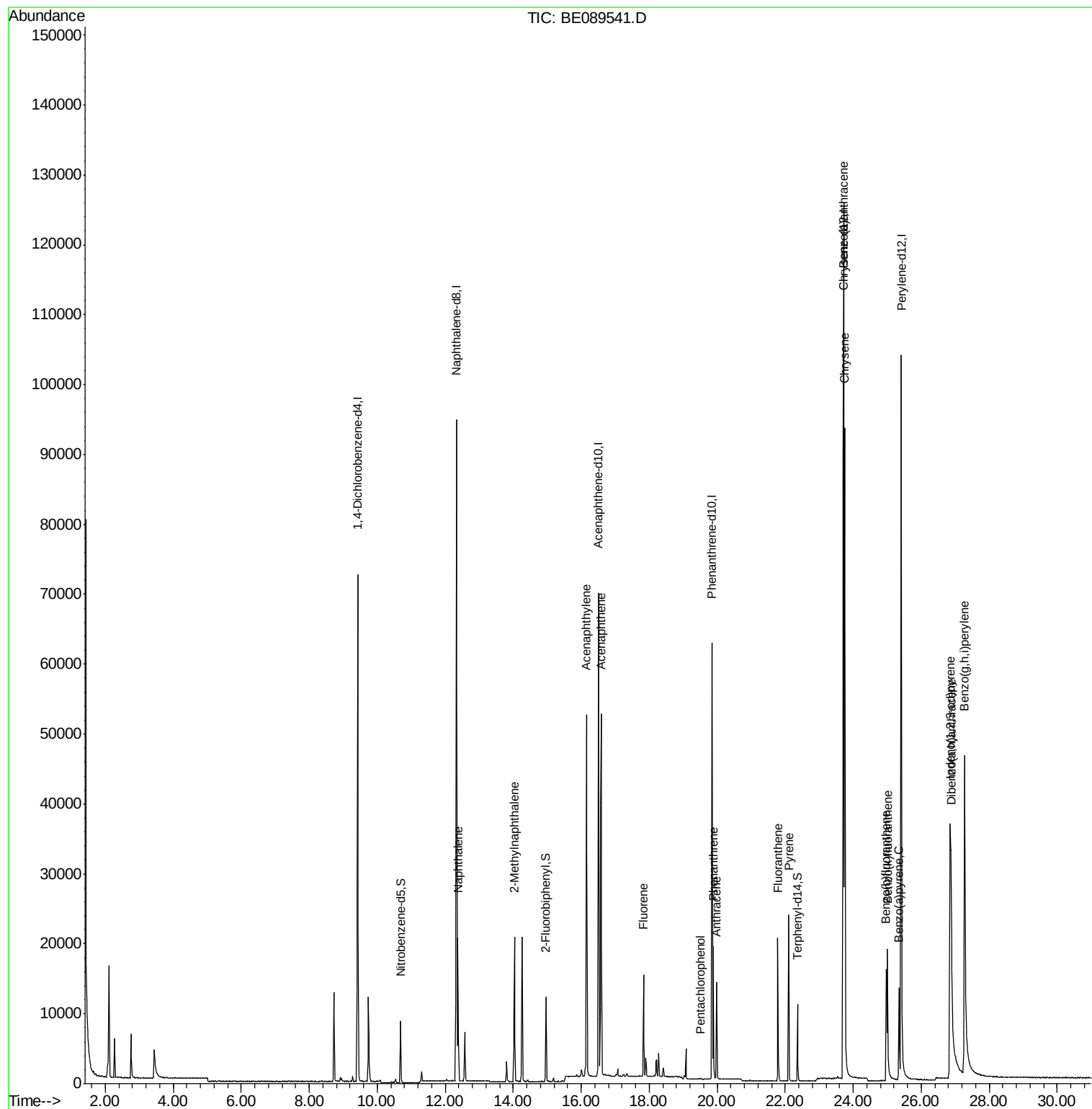
Target Compounds					Qvalue	
4) Naphthalene	12.38	128	24729	0.97	ng	99
5) 2-Methylnaphthalene	14.03	142	13586	0.93	ng	98
8) Acenaphthylene	16.16	152	67036	0.96	ng	100
9) Acenaphthene	16.59	154	10905	0.98	ng	100
10) Fluorene	17.84	166	10838	0.92	ng	99
12) Pentachlorophenol	19.52	266	88	0.70	ng	93
13) Phenanthrene	19.89	178	16611	0.96	ng	98
14) Anthracene	19.98	178	13628	0.94	ng	99
15) Fluoranthene	21.79	202	14824	0.92	ng	99
17) Pyrene	22.10	202	16244	0.89	ng	99
19) Benzo(a)anthracene	23.70	228	65226	0.86	ng	95
20) Chrysene	23.75	228	76994	1.00	ng	94
21) Indeno(1,2,3-cd)pyrene	26.85	276	96809	0.90	ng	97
23) Benzo(b)fluoranthene	24.97	252	15074	0.79	ng	99
24) Benzo(k)fluoranthene	25.00	252	22423	0.95	ng	99
25) Benzo(a)pyrene	25.34	252	15480	0.82	ng	99
26) Dibenzo(a,h)anthracene	26.88	278	20634	0.89	ng	97
27) Benzo(g,h,i)perylene	27.28	276	87786	0.92	ng	99

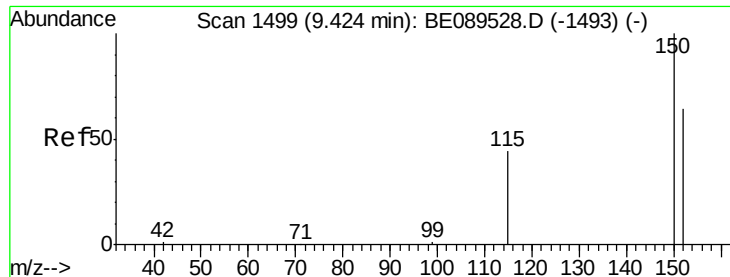
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.42 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BE089541.D

Acq: 7 Feb 2015 00:58

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

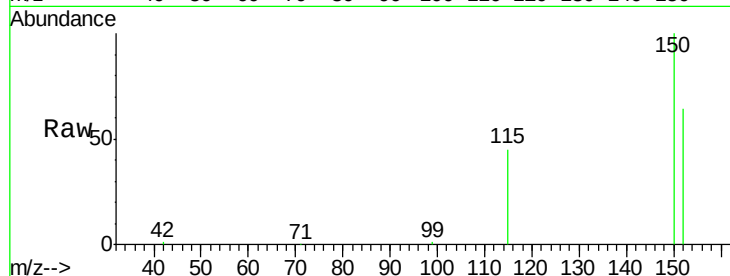
Tgt Ion:152 Resp: 30887

Ion Ratio Lower Upper

152 100

150 156.4 125.7 188.5

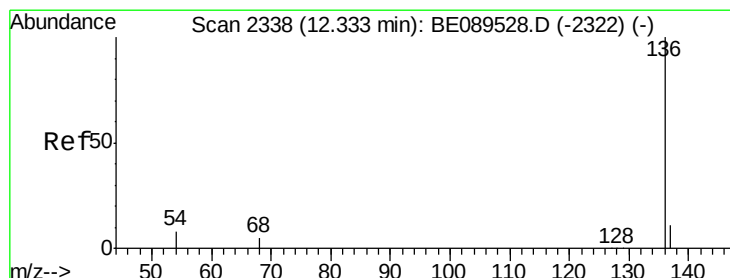
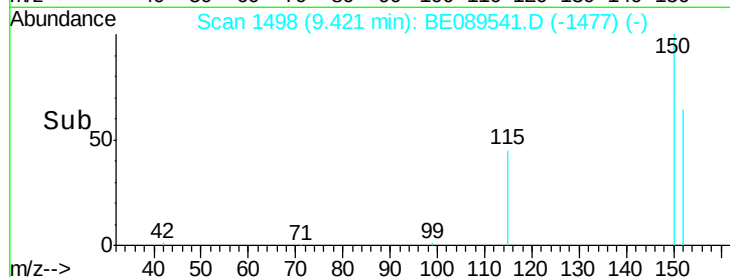
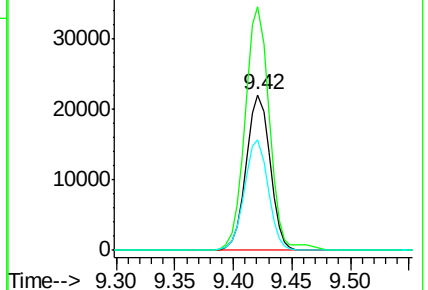
115 70.6 55.6 83.4



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: 12.33 min Scan# 2337

Delta R.T. -0.01 min

Lab File: BE089541.D

Acq: 7 Feb 2015 00:58

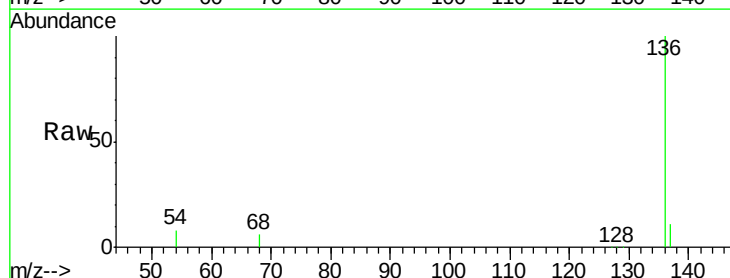
Tgt Ion:136 Resp: 113601

Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

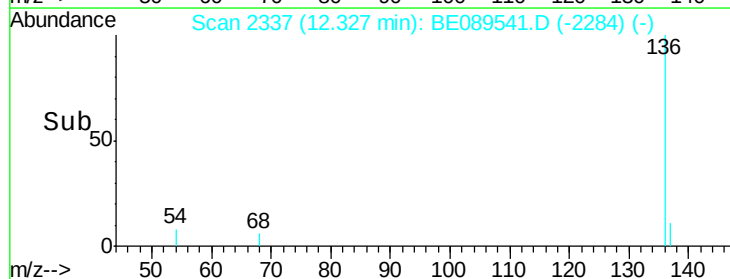
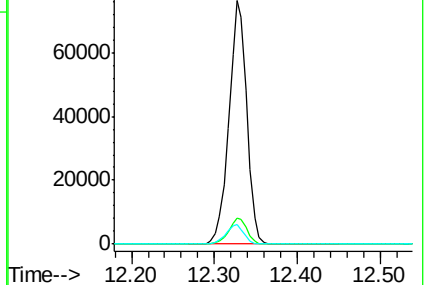
54 8.0 6.1 9.1

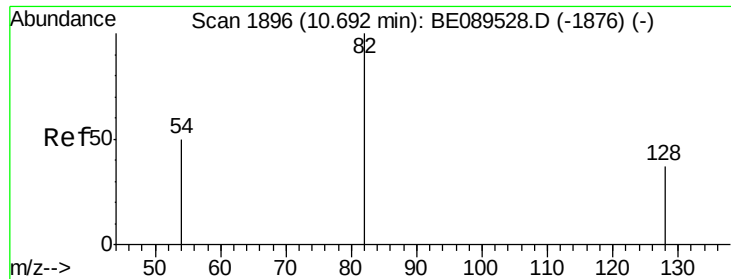


Abundance Ion 136.00 (135.70 to 136.70): E

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: 10.69 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BE089541.D

Acq: 7 Feb 2015 00:58

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

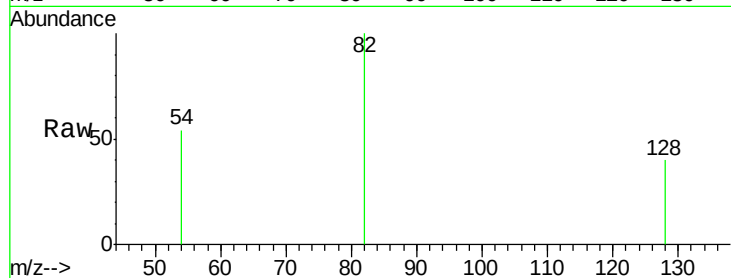
Tgt Ion: 82 Resp: 6796

Ion Ratio Lower Upper

82 100

128 39.6 30.2 45.4

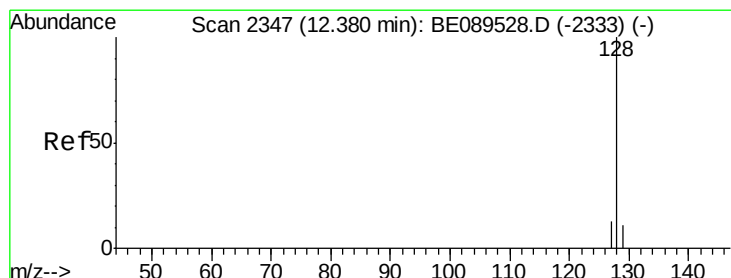
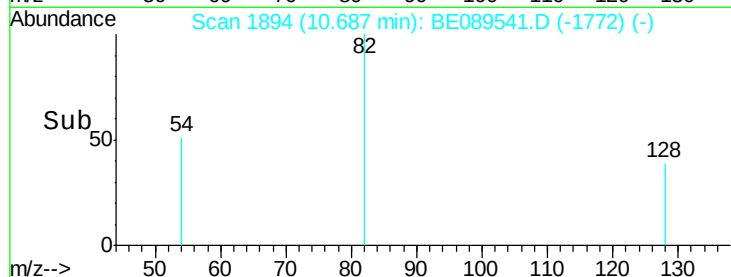
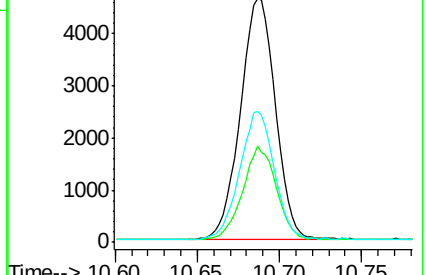
54 53.5 40.6 60.8



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: 0.97 ng

RT: 12.38 min Scan# 2346

Delta R.T. -0.01 min

Lab File: BE089541.D

Acq: 7 Feb 2015 00:58

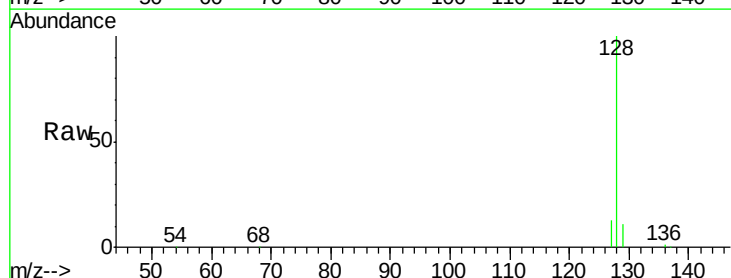
Tgt Ion: 128 Resp: 24729

Ion Ratio Lower Upper

128 100

129 11.1 9.1 13.7

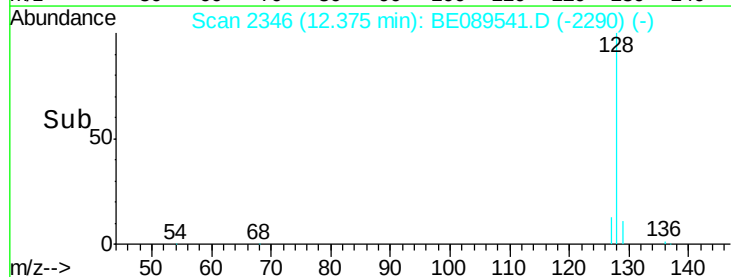
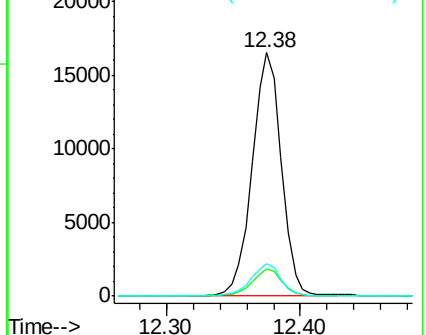
127 13.4 10.5 15.7

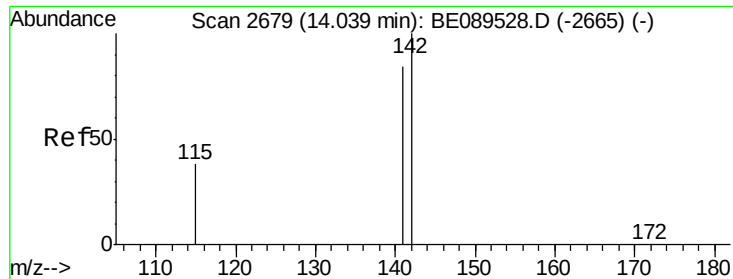


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#5

2-Methylnaphthalene

Concen: 0.93 ng

RT: 14.03 min Scan# 2678

Delta R.T. -0.00 min

Lab File: BE089541.D

Acq: 7 Feb 2015 00:58

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

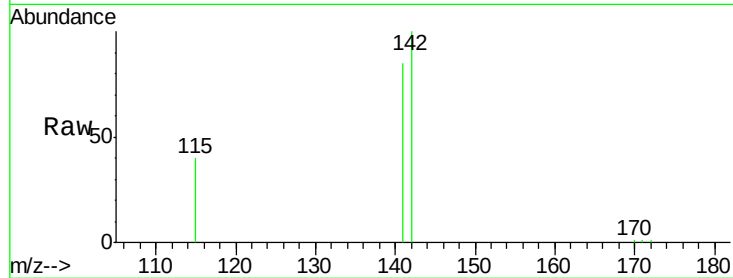
Tgt Ion:142 Resp: 13586

Ion Ratio Lower Upper

142 100

141 84.8 67.0 100.6

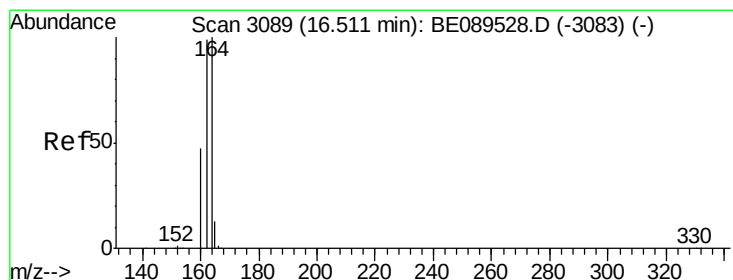
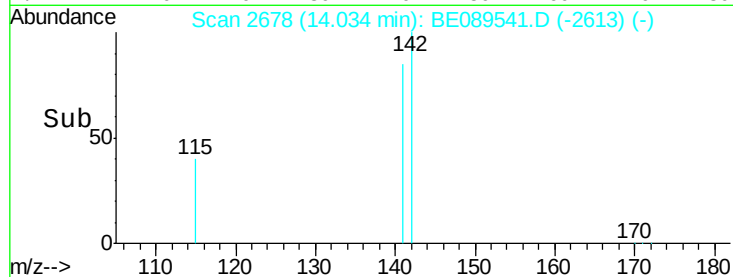
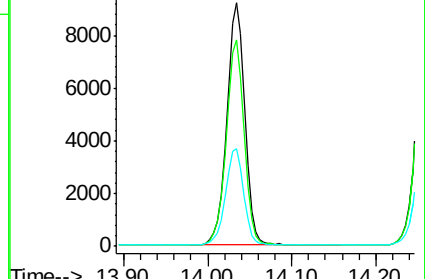
115 40.3 30.6 45.8



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: 16.51 min Scan# 3089

Delta R.T. -0.00 min

Lab File: BE089541.D

Acq: 7 Feb 2015 00:58

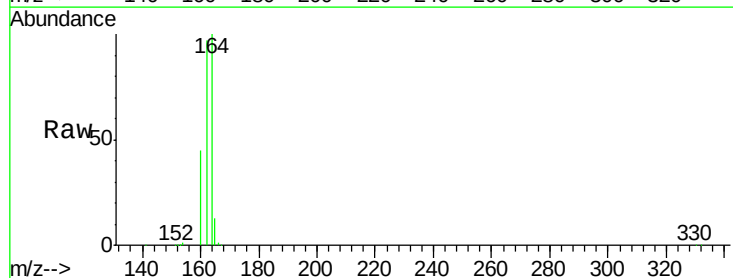
Tgt Ion:164 Resp: 41746

Ion Ratio Lower Upper

164 100

162 96.6 79.5 119.3

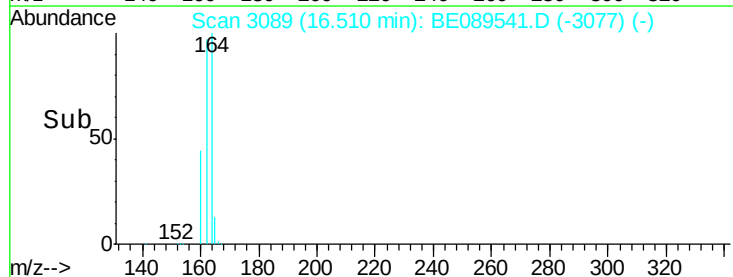
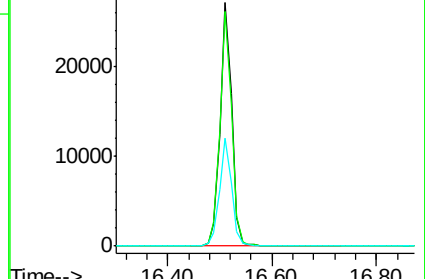
160 44.5 37.6 56.4

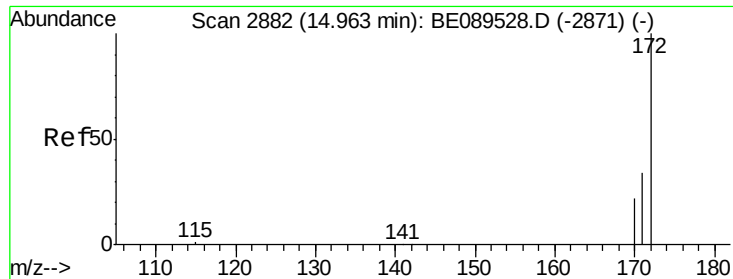


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 1.00 ng

RT: 14.96 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BE089541.D

Acq: 7 Feb 2015 00:58

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

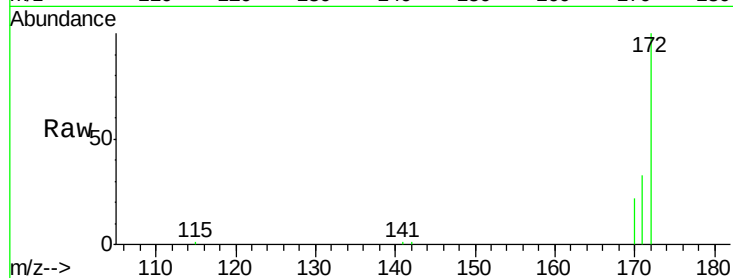
Tgt Ion:172 Resp: 11103

Ion Ratio Lower Upper

172 100

171 32.9 27.7 41.5

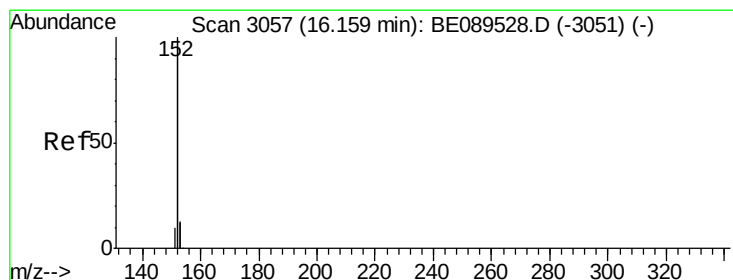
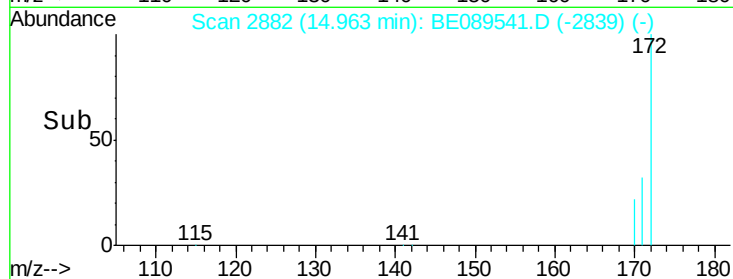
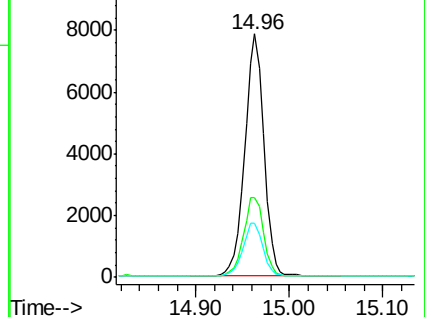
170 22.0 18.3 27.5



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: 0.96 ng

RT: 16.16 min Scan# 3057

Delta R.T. -0.00 min

Lab File: BE089541.D

Acq: 7 Feb 2015 00:58

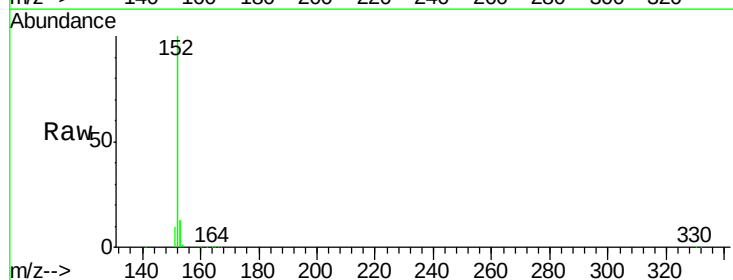
Tgt Ion:152 Resp: 67036

Ion Ratio Lower Upper

152 100

151 4.8 4.0 6.0

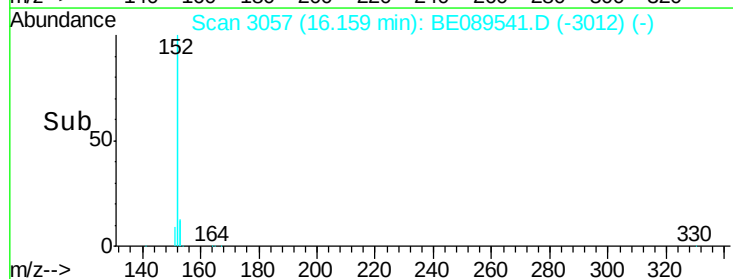
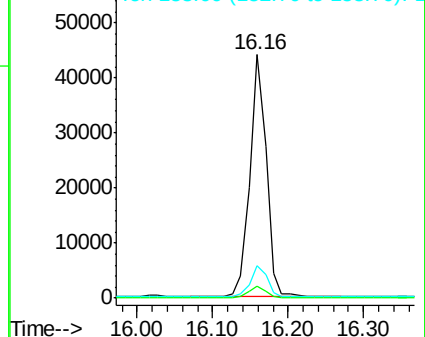
153 13.3 10.6 15.8

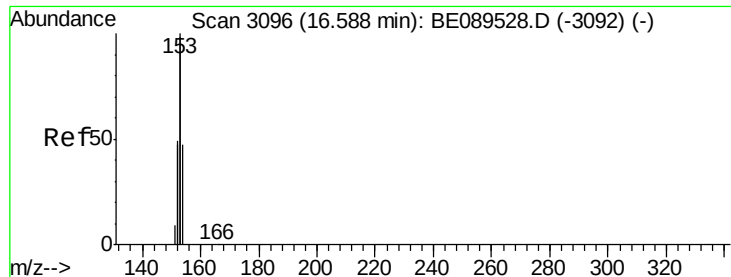


Abundance Ion 152.00 (151.70 to 152.70): E

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: 16.59 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BE089541.D

Acq: 7 Feb 2015 00:58

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

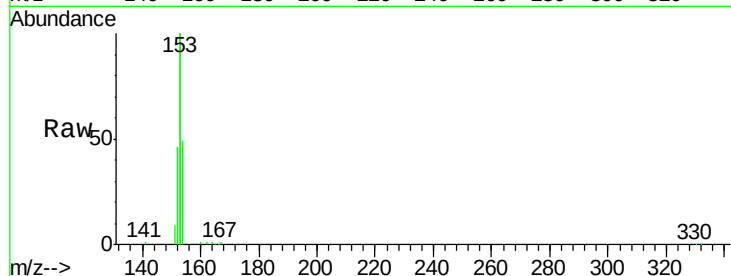
Tgt Ion:154 Resp: 10905

Ion Ratio Lower Upper

154 100

153 427.1 340.8 511.2

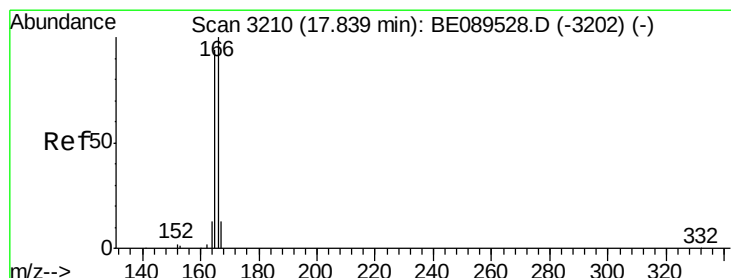
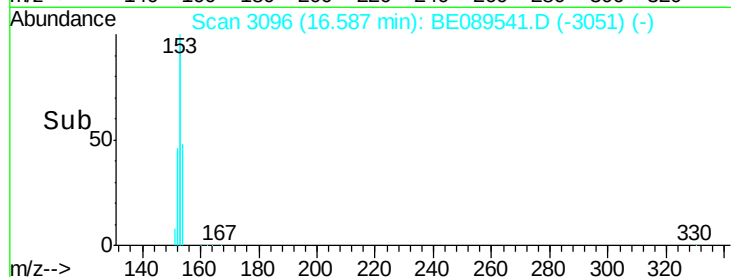
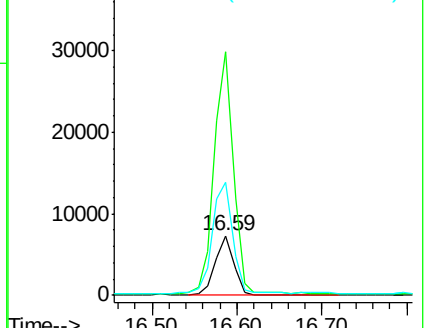
152 207.4 165.5 248.3



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: 0.92 ng

RT: 17.84 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE089541.D

Acq: 7 Feb 2015 00:58

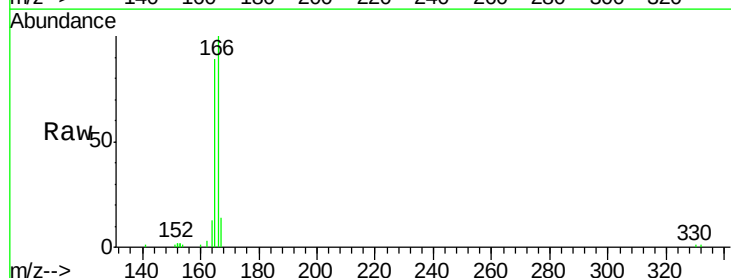
Tgt Ion:166 Resp: 10838

Ion Ratio Lower Upper

166 100

165 93.2 75.5 113.3

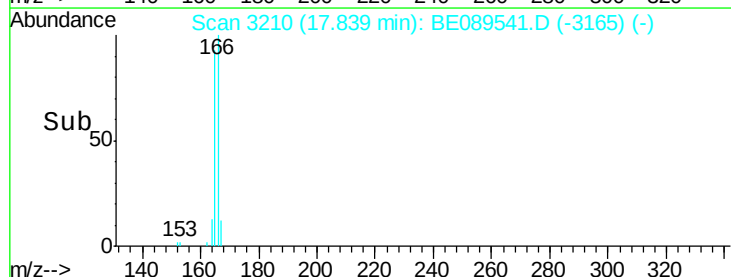
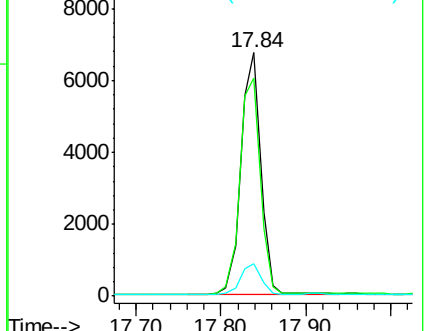
167 13.2 10.9 16.3

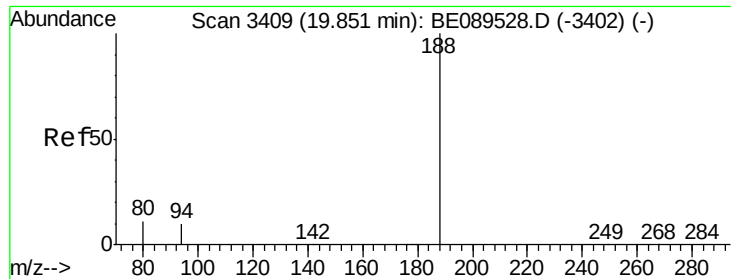


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

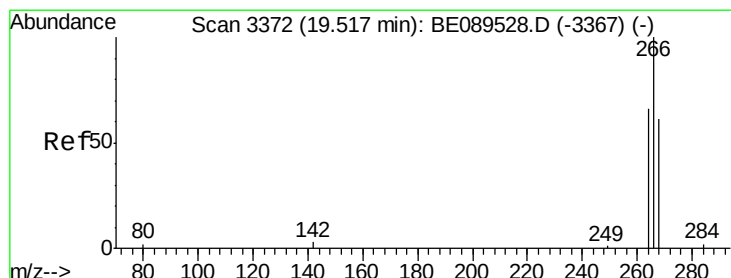
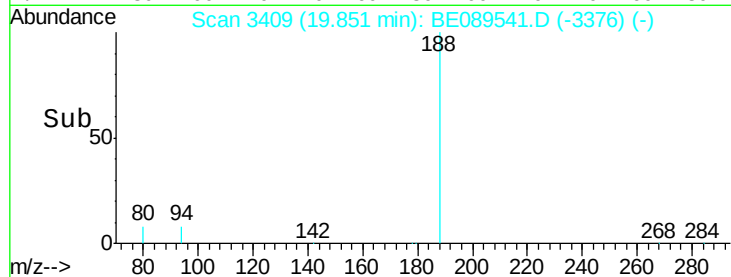
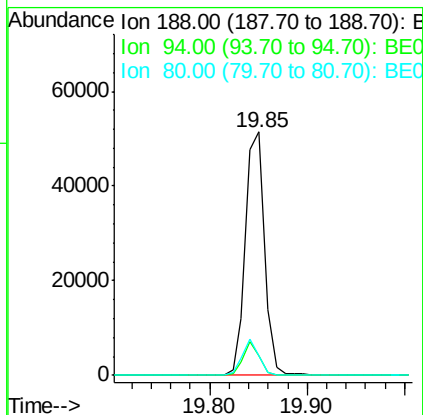
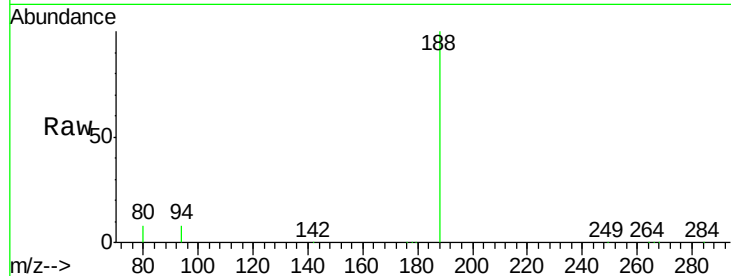




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.85 min Scan# 3409
Delta R.T. -0.00 min
Lab File: BE089541.D
Acq: 7 Feb 2015 00:58

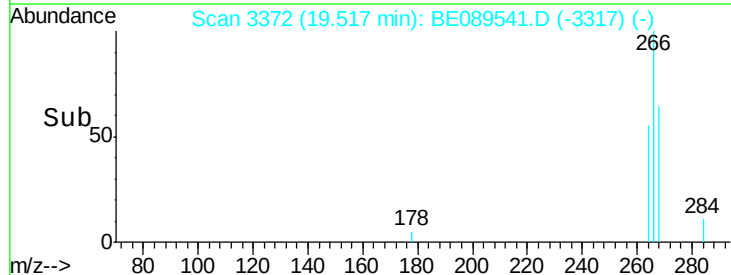
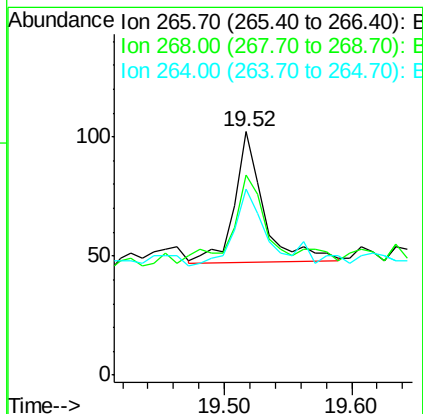
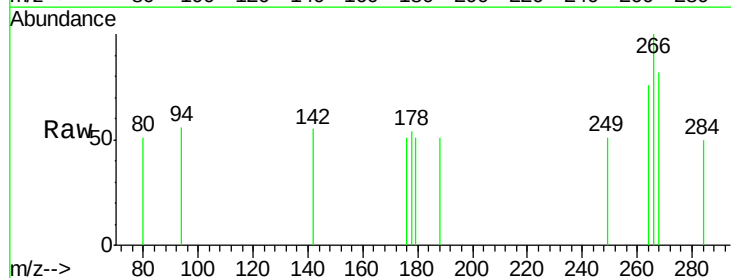
Instrument :
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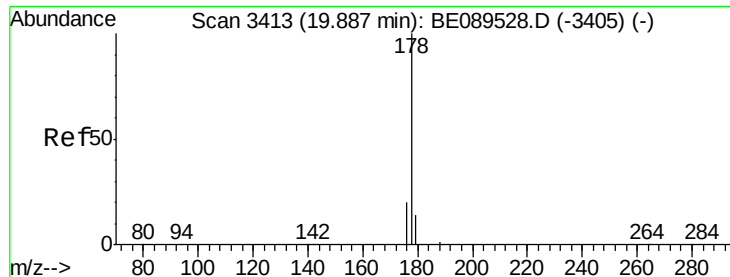
Tgt Ion:188 Resp: 69561
Ion Ratio Lower Upper
188 100
94 8.0 8.4 12.6#
80 8.0 8.6 12.8#



#12
Pentachlorophenol
Concen: 0.70 ng
RT: 19.52 min Scan# 3372
Delta R.T. 0.00 min
Lab File: BE089541.D
Acq: 7 Feb 2015 00:58

Tgt Ion:266 Resp: 88
Ion Ratio Lower Upper
266 100
268 82.4 57.9 86.9
264 76.5 60.2 90.4





#13

Phenanthrene

Concen: 0.96 ng

RT: 19.89 min Scan# 3413

Delta R.T. -0.00 min

Lab File: BE089541.D

Acq: 7 Feb 2015 00:58

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

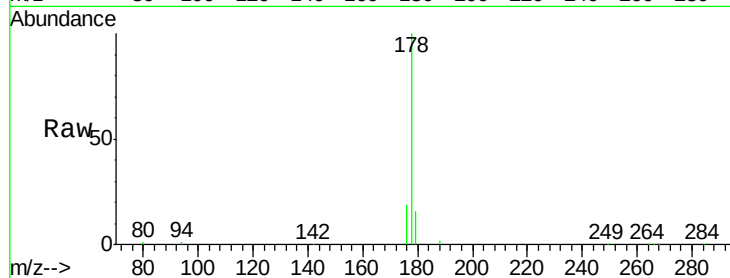
Tgt Ion:178 Resp: 16611

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

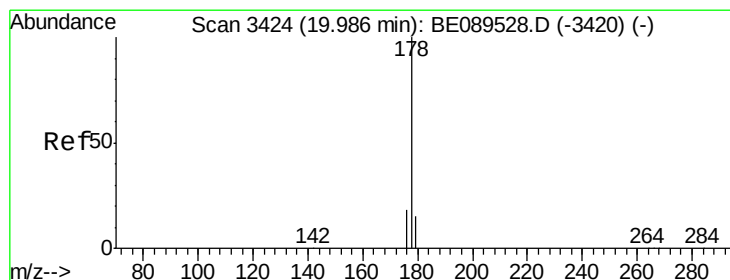
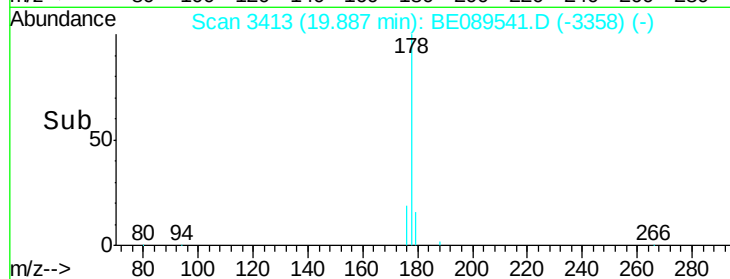
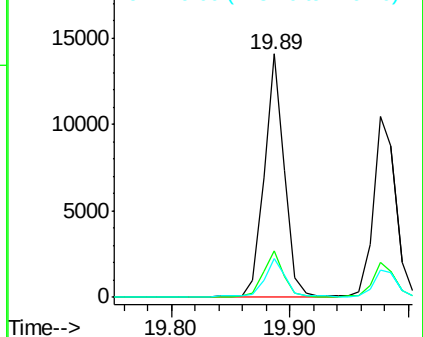
179 15.9 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#14

Anthracene

Concen: 0.94 ng

RT: 19.98 min Scan# 3423

Delta R.T. -0.01 min

Lab File: BE089541.D

Acq: 7 Feb 2015 00:58

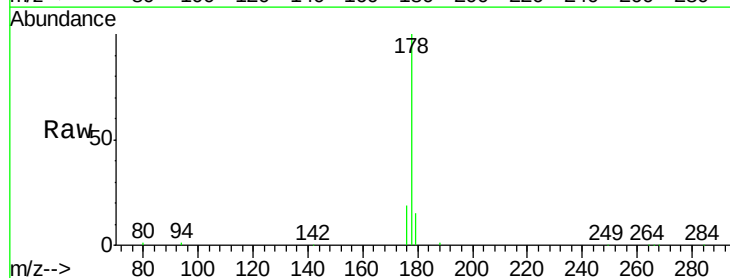
Tgt Ion:178 Resp: 13628

Ion Ratio Lower Upper

178 100

176 17.9 14.5 21.7

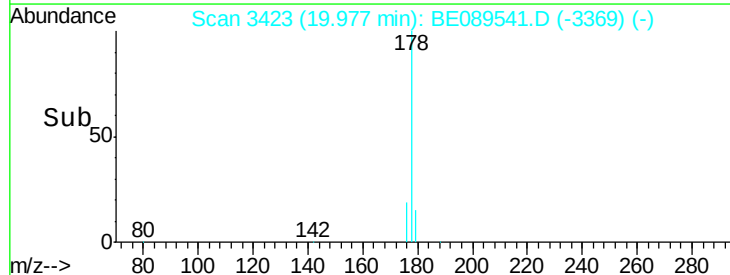
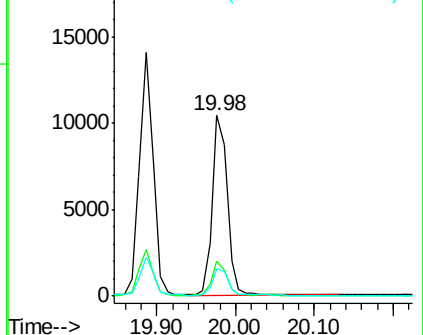
179 15.5 12.2 18.2

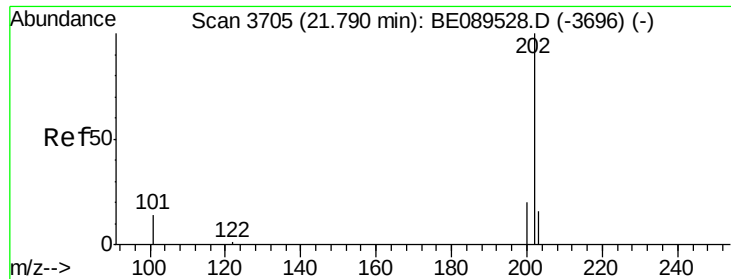


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

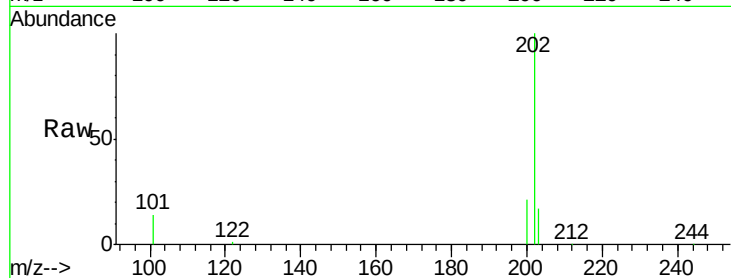




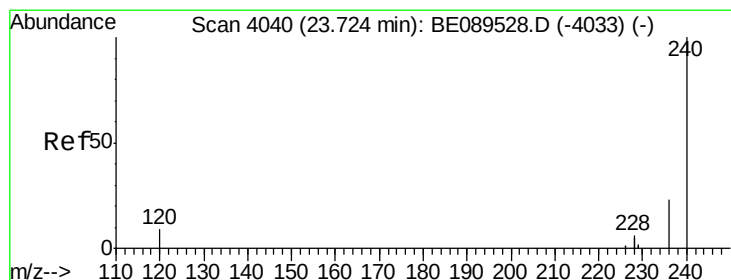
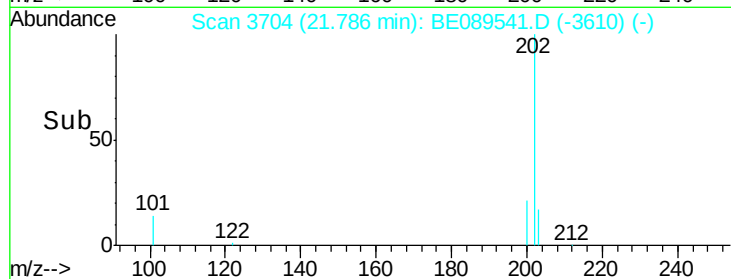
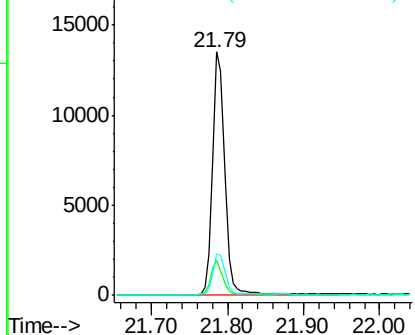
#15
 Fluoranthene
 Concen: 0.92 ng
 RT: 21.79 min Scan# 3704
 Delta R.T. -0.00 min
 Lab File: BE089541.D
 Acq: 7 Feb 2015 00:58

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Tgt Ion:202 Resp: 14824
 Ion Ratio Lower Upper
 202 100
 101 13.6 11.6 17.4
 203 17.2 13.6 20.4

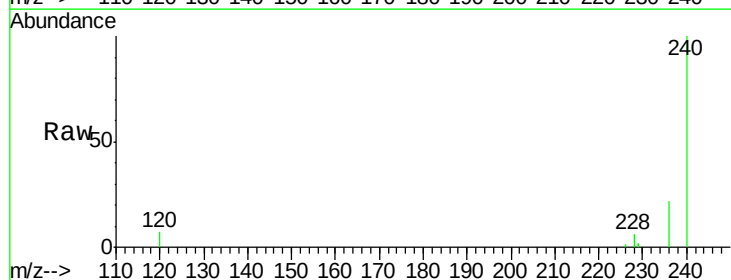


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

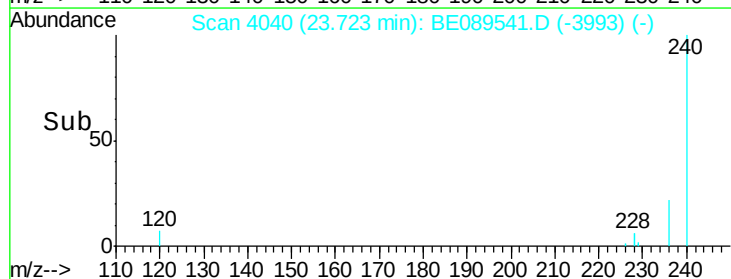
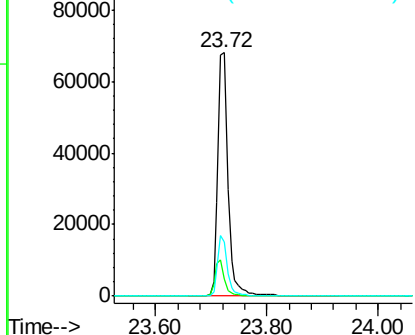


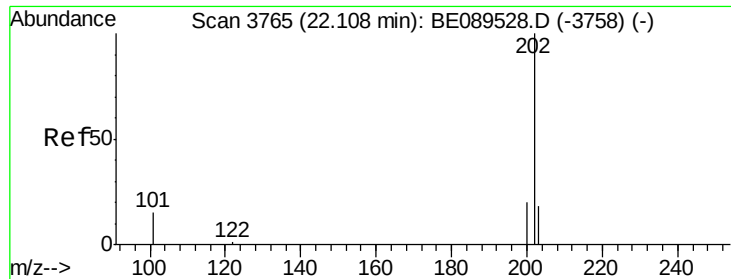
#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.72 min Scan# 4040
 Delta R.T. -0.00 min
 Lab File: BE089541.D
 Acq: 7 Feb 2015 00:58

Tgt Ion:240 Resp: 85278
 Ion Ratio Lower Upper
 240 100
 120 7.0 7.2 10.8#
 236 22.4 18.5 27.7



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

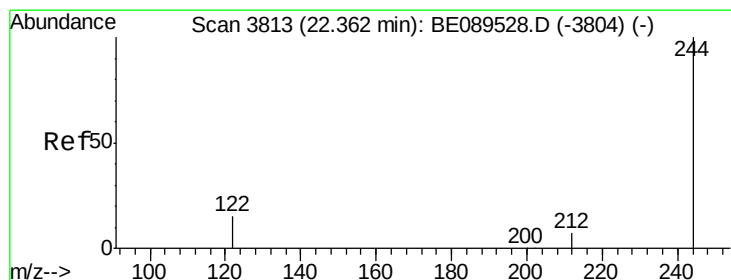
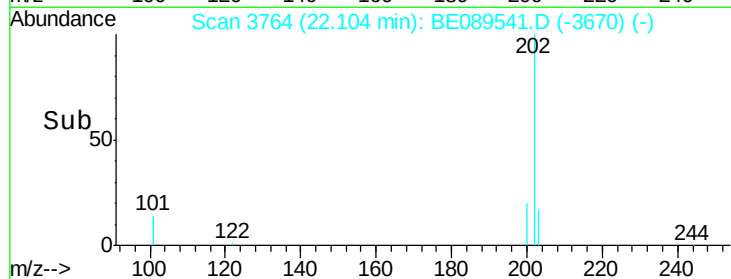
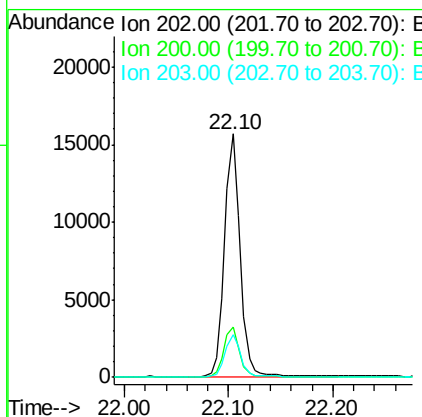
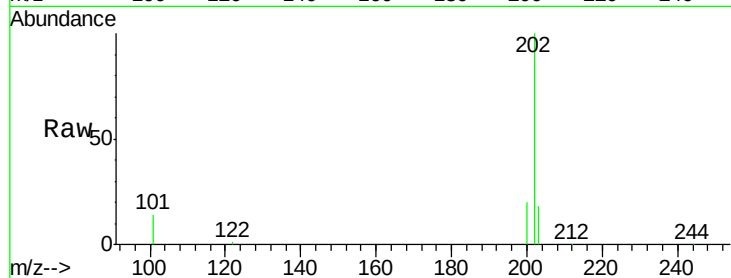




#17
 Pyrene
 Concen: 0.89 ng
 RT: 22.10 min Scan# 3764
 Delta R.T. -0.00 min
 Lab File: BE089541.D
 Acq: 7 Feb 2015 00:58

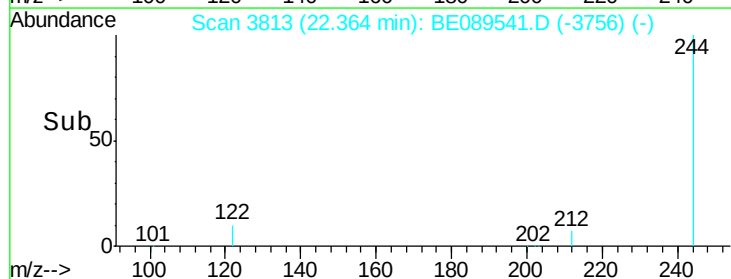
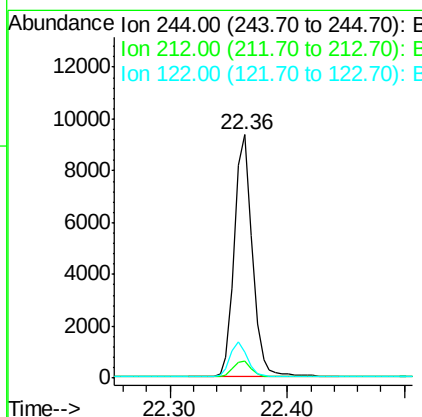
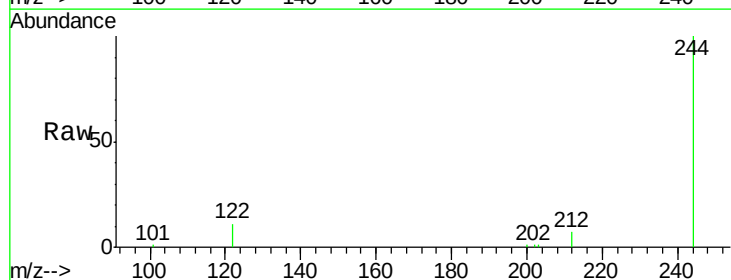
Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

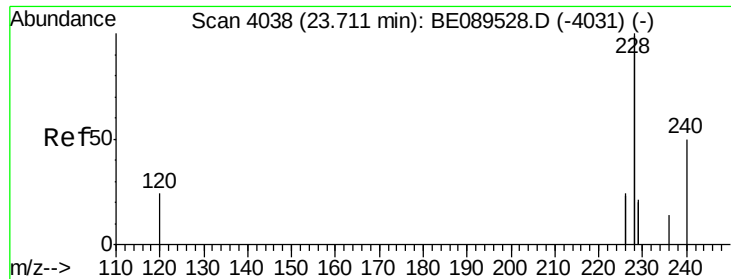
Tgt Ion: 202 Resp: 16244
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.3 24.5
 203 17.3 13.5 20.3



#18
 Terphenyl-d14
 Concen: 0.88 ng
 RT: 22.36 min Scan# 3813
 Delta R.T. 0.00 min
 Lab File: BE089541.D
 Acq: 7 Feb 2015 00:58

Tgt Ion: 244 Resp: 9852
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 10.6 12.6 19.0#





#19

Benzo(a)anthracene

Concen: 0.86 ng

RT: 23.70 min Scan# 4037

Delta R.T. -0.01 min

Lab File: BE089541.D

Acq: 7 Feb 2015 00:58

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

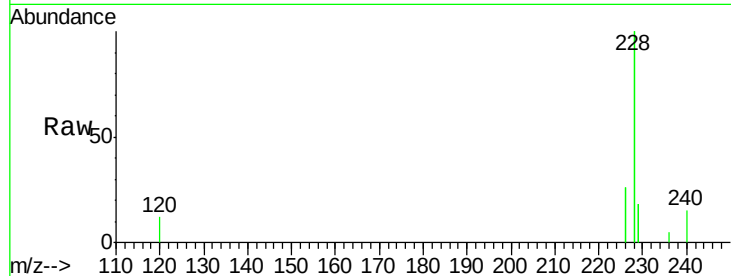
Tgt Ion:228 Resp: 65226

Ion Ratio Lower Upper

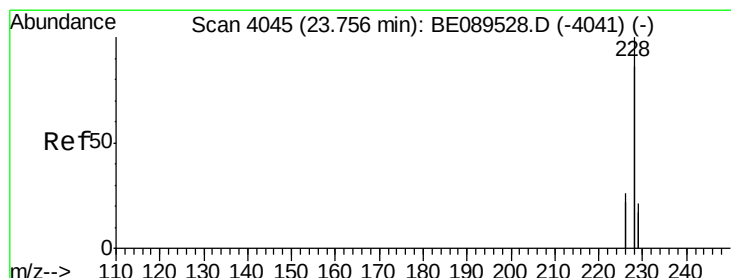
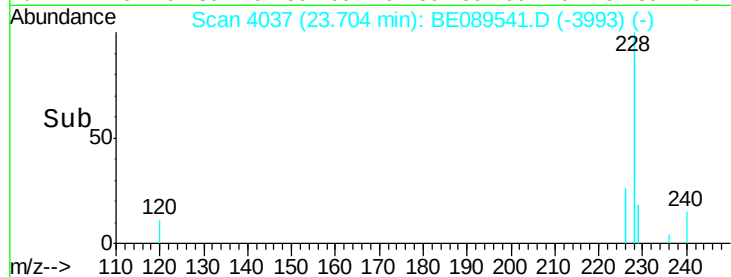
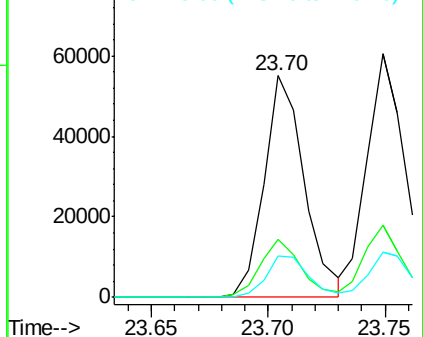
228 100

226 26.3 19.0 28.4

229 18.5 16.8 25.2



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: 1.00 ng

RT: 23.75 min Scan# 4044

Delta R.T. -0.01 min

Lab File: BE089541.D

Acq: 7 Feb 2015 00:58

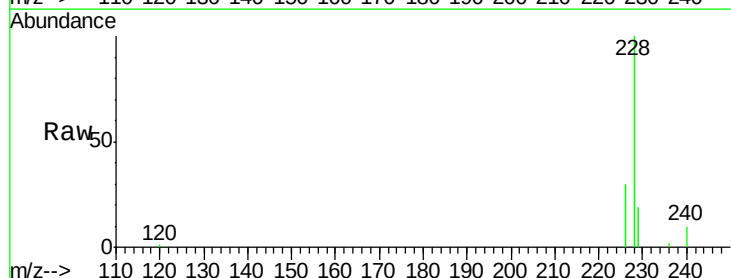
Tgt Ion:228 Resp: 76994

Ion Ratio Lower Upper

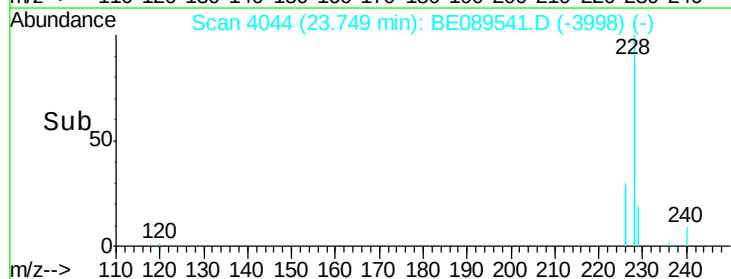
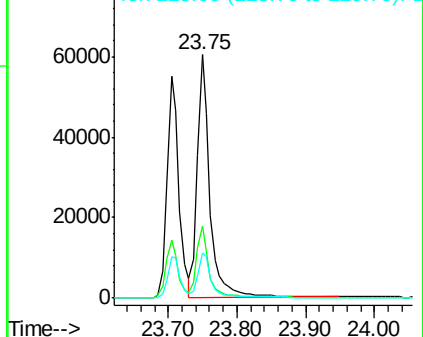
228 100

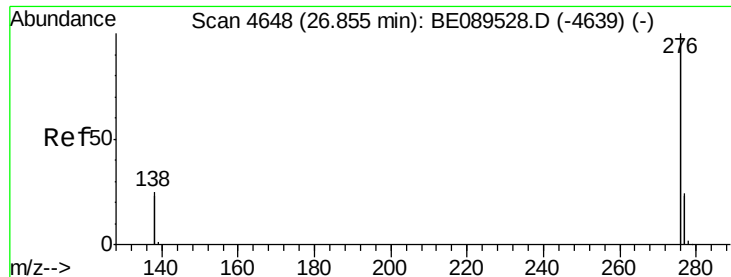
226 29.8 21.0 31.4

229 18.8 16.7 25.1



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: 0.90 ng

RT: 26.85 min Scan# 4647

Delta R.T. -0.01 min

Lab File: BE089541.D

Acq: 7 Feb 2015 00:58

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

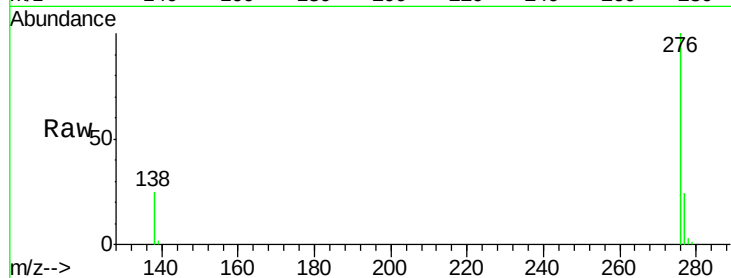
Tgt Ion:276 Resp: 96809

Ion Ratio Lower Upper

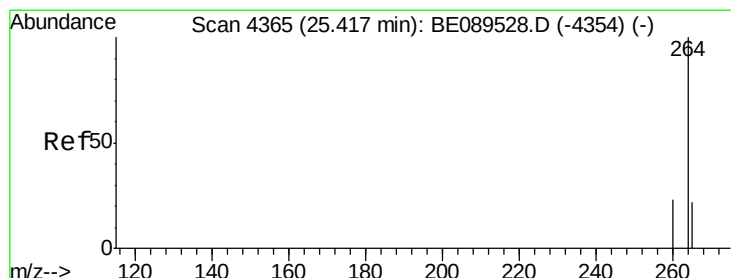
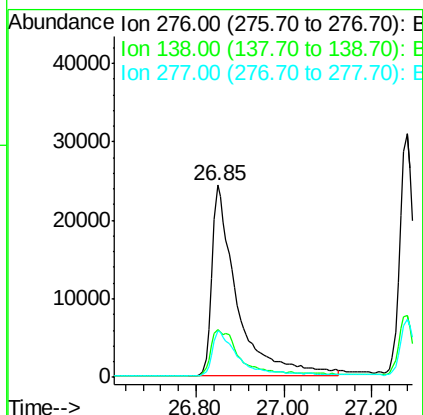
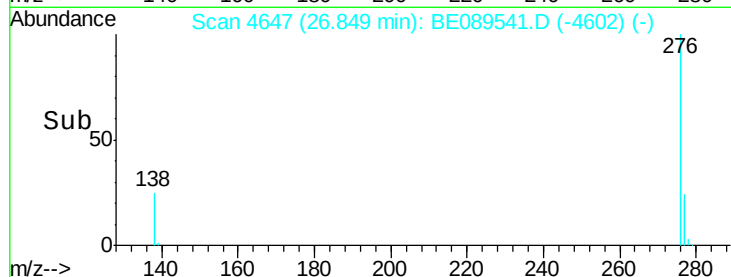
276 100

138 26.6 23.0 34.4

277 24.0 19.9 29.9



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: 25.41 min Scan# 4364

Delta R.T. -0.01 min

Lab File: BE089541.D

Acq: 7 Feb 2015 00:58

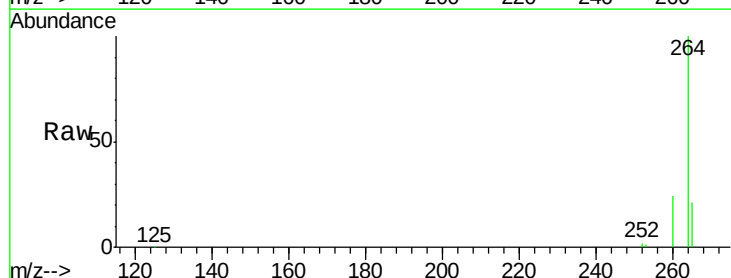
Tgt Ion:264 Resp: 98282

Ion Ratio Lower Upper

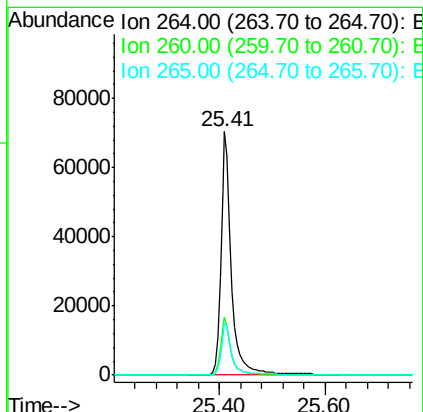
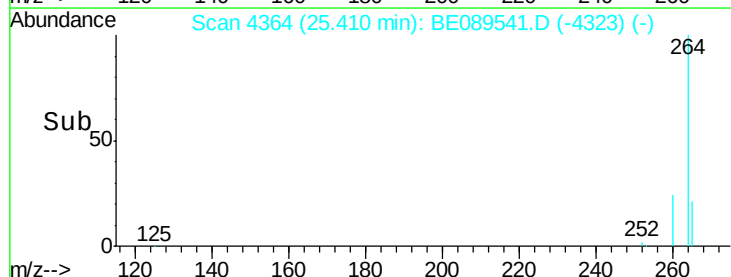
264 100

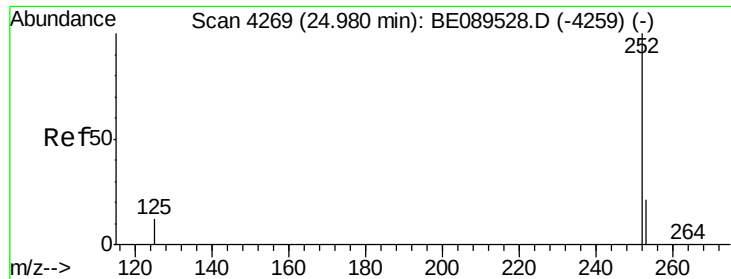
260 24.1 18.7 28.1

265 21.1 17.5 26.3



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: 0.79 ng

RT: 24.97 min Scan# 4268

Delta R.T. -0.01 min

Lab File: BE089541.D

Acq: 7 Feb 2015 00:58

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

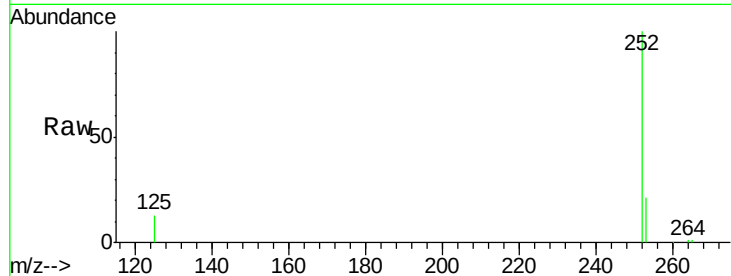
Tgt Ion:252 Resp: 15074

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.0

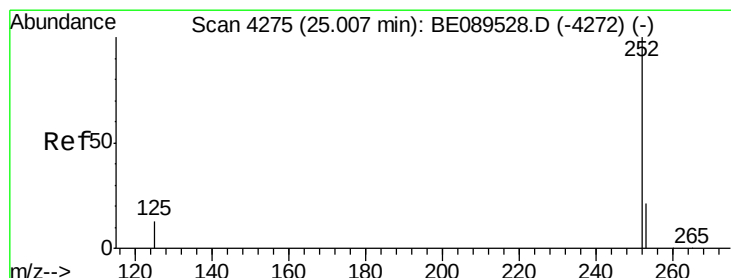
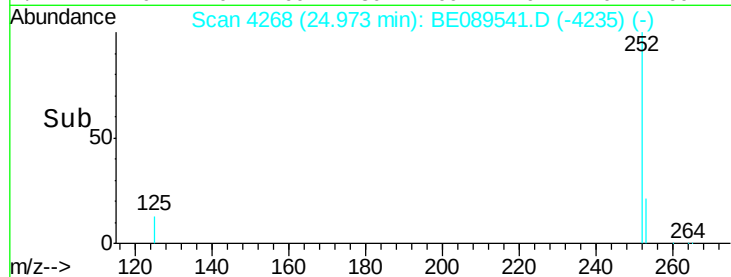
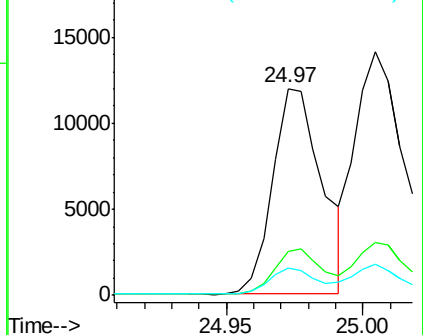
125 13.2 10.4 15.6



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: 0.95 ng

RT: 25.00 min Scan# 4275

Delta R.T. -0.00 min

Lab File: BE089541.D

Acq: 7 Feb 2015 00:58

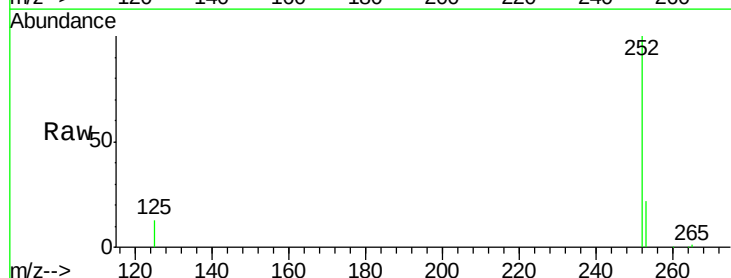
Tgt Ion:252 Resp: 22423

Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

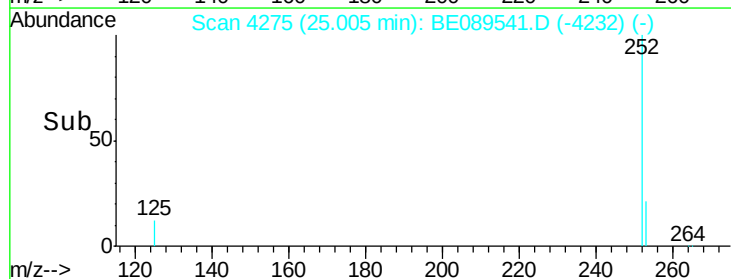
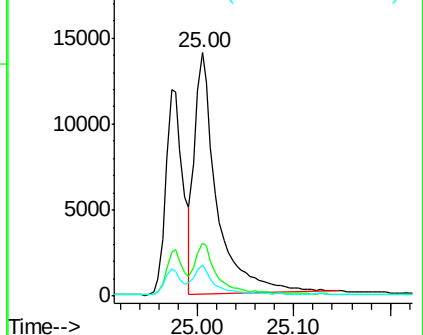
125 12.8 10.6 15.8

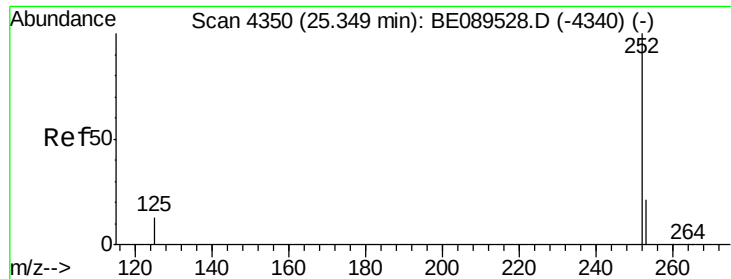


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.82 ng

RT: 25.34 min Scan# 4349

Delta R.T. -0.01 min

Lab File: BE089541.D

Acq: 7 Feb 2015 00:58

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

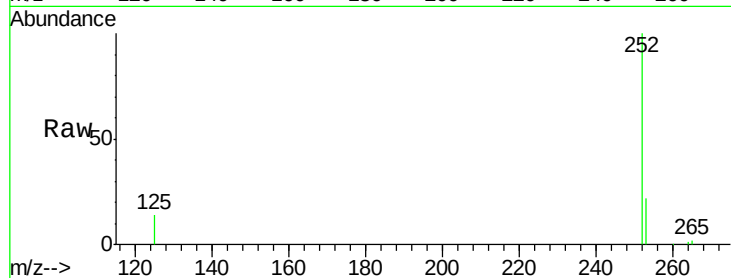
Tgt Ion:252 Resp: 15480

Ion Ratio Lower Upper

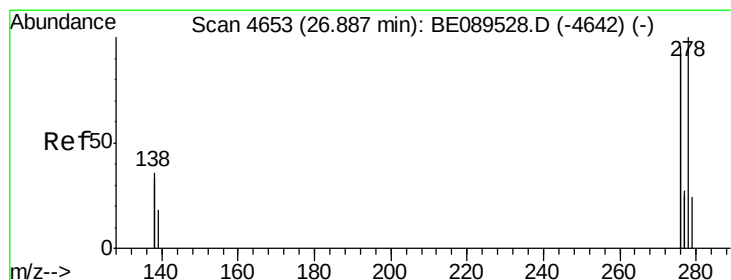
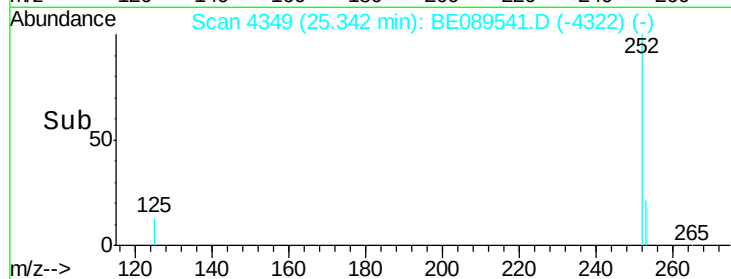
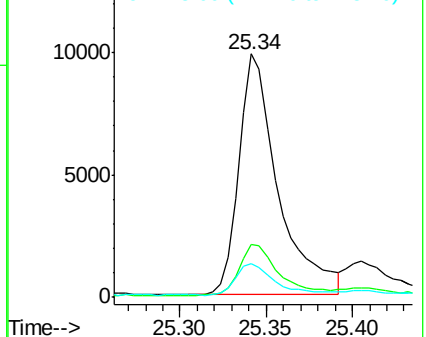
252 100

253 21.8 17.8 26.6

125 13.9 11.4 17.2



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: 0.89 ng

RT: 26.88 min Scan# 4652

Delta R.T. -0.01 min

Lab File: BE089541.D

Acq: 7 Feb 2015 00:58

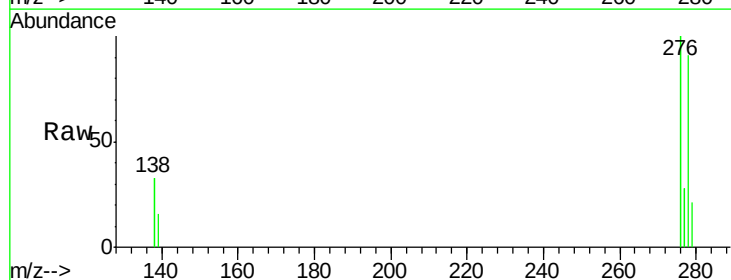
Tgt Ion:278 Resp: 20634

Ion Ratio Lower Upper

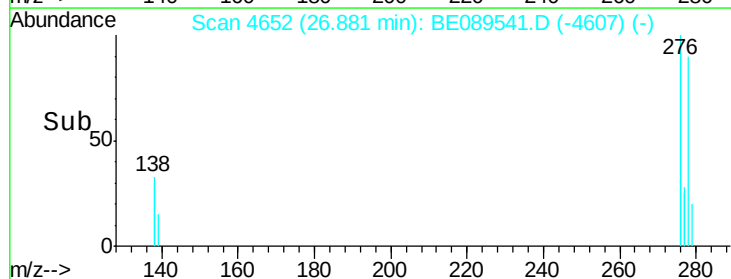
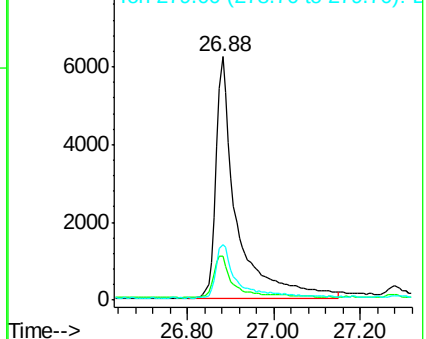
278 100

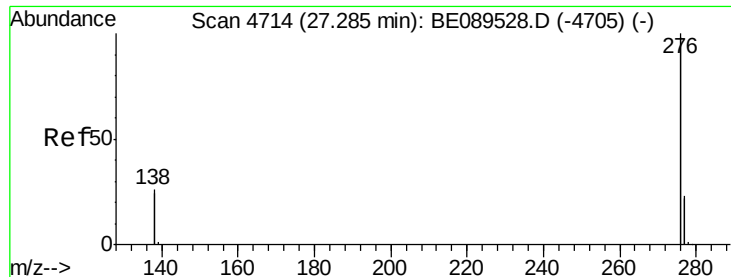
139 17.9 15.7 23.5

279 23.0 19.5 29.3



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

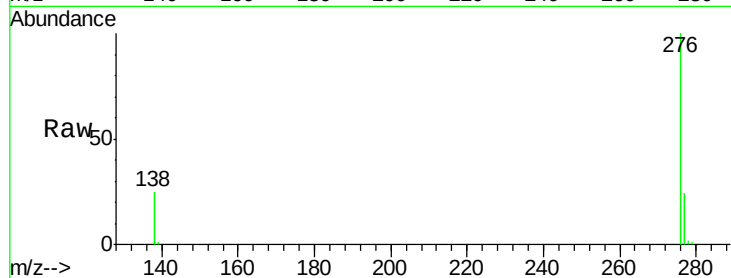




#27
 Benzo(g,h,i)perylene
 Concen: 0.92 ng
 RT: 27.28 min Scan# 4713
 Delta R.T. -0.01 min
 Lab File: BE089541.D
 Acq: 7 Feb 2015 00:58

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	27.8
138	25.5	20.9	31.3



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

