

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
 Data File : BE089340.D
 Acq On : 7 Jan 2015 22:05
 Operator : TP/IZ
 Sample : SSTDICC001
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

Quant Time: Jan 08 05:28:50 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BASE-BE010715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 08 05:21:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	17060	5.00	ng	0.00
2) Naphthalene-d8	8.51	136	65014	5.00	ng	0.00
6) Acenaphthene-d10	10.65	164	29882	5.00	ng	0.00
11) Phenanthrene-d10	12.72	188	45368	5.00	ng	0.00
15) Chrysene-d12	18.07	240	34829	5.00	ng	0.00
21) Perylene-d12	21.12	264	32358	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	7.65	82	4713	1.15	ng	0.00
7) 2-Fluorobiphenyl	9.85	172	8419	1.08	ng	0.00
17) Terphenyl-d14	15.84	244	6081	1.18	ng	0.00

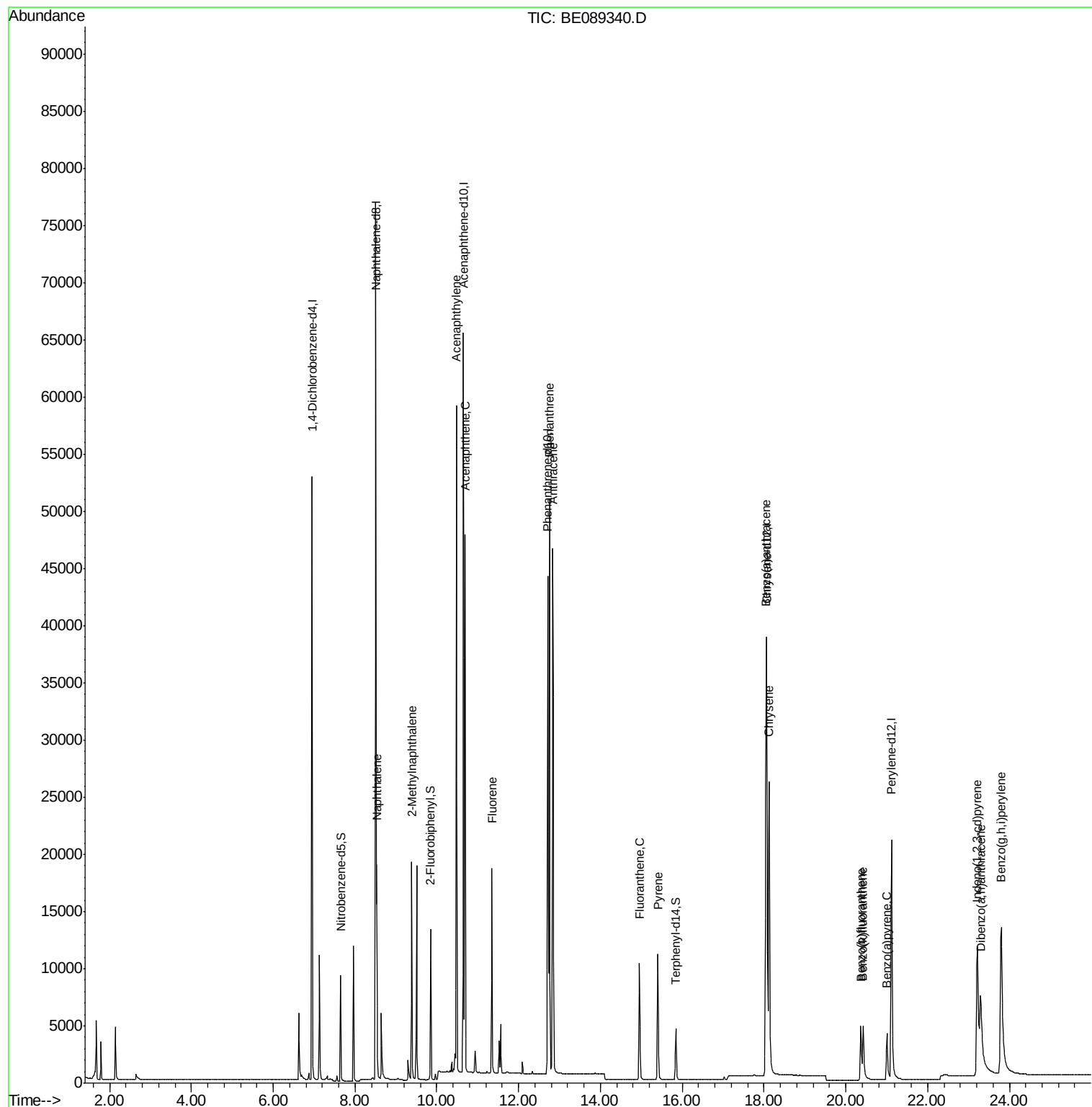
Target Compounds					Qvalue	
4) Naphthalene	8.53	128	15147	1.16	ng	100
5) 2-Methylnaphthalene	9.39	142	9409	1.21	ng	100
8) Acenaphthylene	10.48	152	53092	1.25	ng	100
9) Acenaphthene	10.69	154	8035	1.22	ng	100
10) Fluorene	11.34	166	8607	1.20	ng	100
12) Phenanthrene	12.75	178	48220	1.15	ng	100
13) Anthracene	12.84	178	47322	1.23	ng	100
14) Fluoranthene	14.95	202	10780	1.19	ng	100
16) Pyrene	15.40	202	11442	1.34	ng	100
18) Benzo(a)anthracene	18.05	228	35136	1.22	ng	100
19) Chrysene	18.12	228	36781	1.23	ng	100
20) Indeno(1,2,3-cd)pyrene	23.22	276	23482	0.82	ng	100
22) Benzo(b)fluoranthene	20.37	252	7252	1.13	ng	100
23) Benzo(k)fluoranthene	20.42	252	9270	1.12	ng	100
24) Benzo(a)pyrene	21.01	252	7066	1.16	ng	100
25) Dibenzo(a,h)anthracene	23.30	278	6644	1.04	ng	100
26) Benzo(g,h,i)perylene	23.80	276	33099	1.14	ng	100

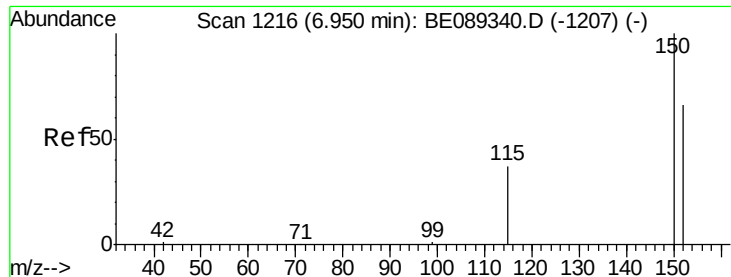
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.95 min Scan# 1216

Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

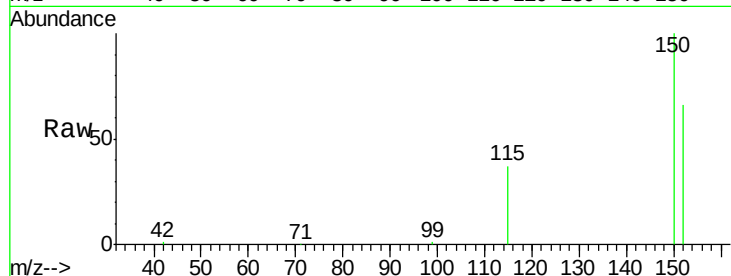
Tgt Ion:152 Resp: 17060

Ion Ratio Lower Upper

152 100

150 151.9 121.5 182.3

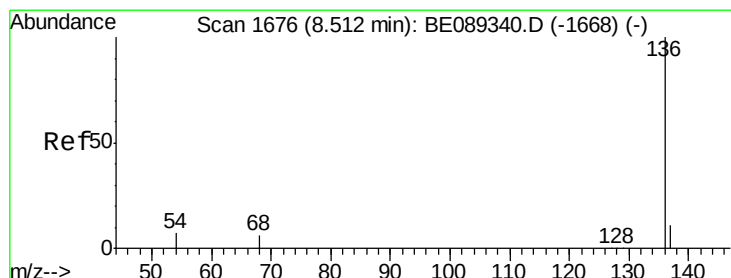
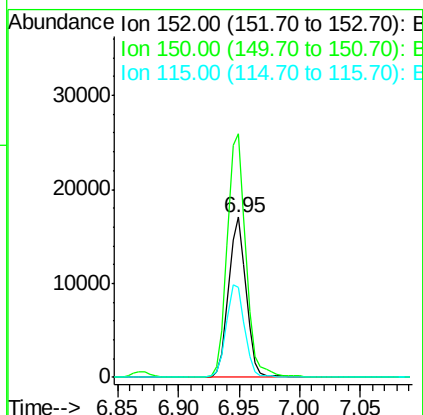
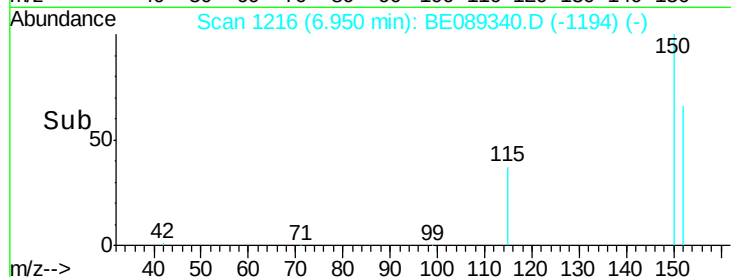
115 56.5 45.2 67.8



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: 8.51 min Scan# 1676

Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

Tgt Ion:136 Resp: 65014

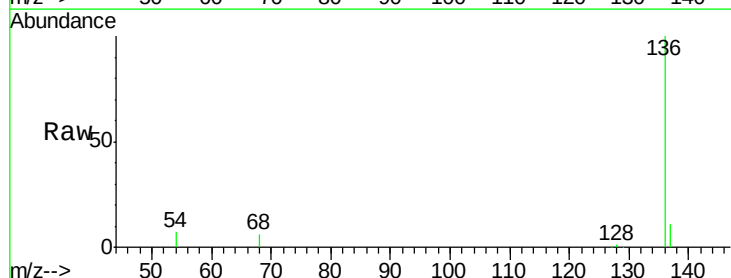
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 6.7 5.4 8.0

68 5.9 4.7 7.1

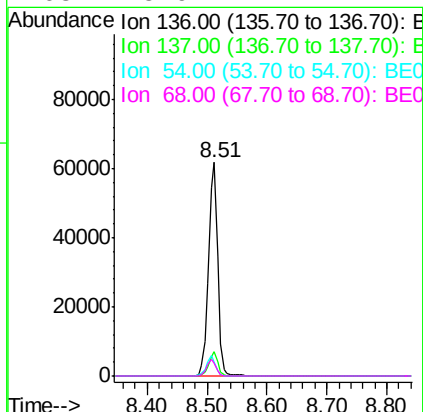
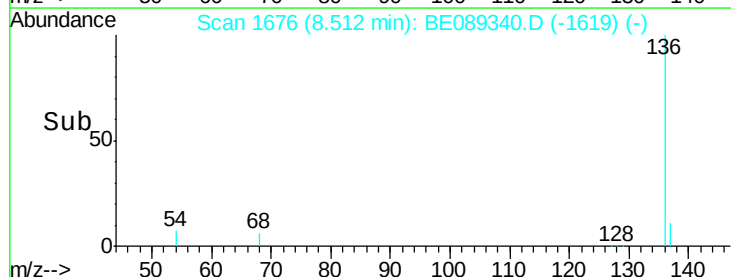


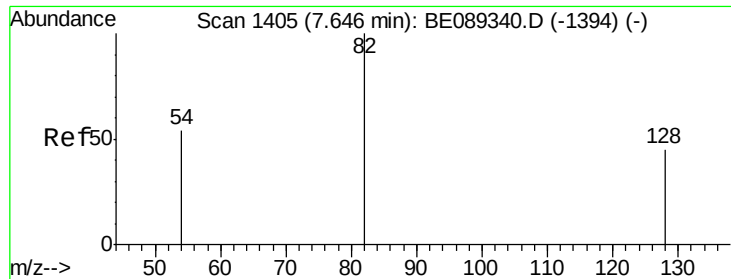
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#3

Nitrobenzene-d5

Concen: 1.15 ng

RT: 7.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

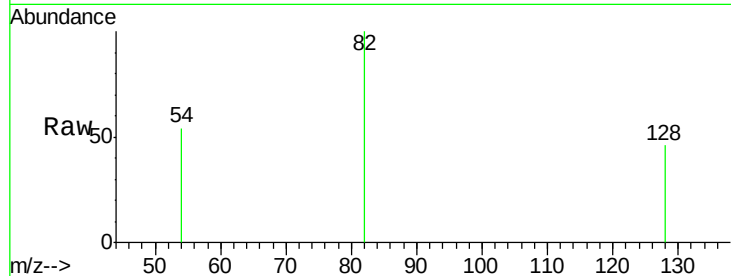
Tgt Ion: 82 Resp: 4713

Ion Ratio Lower Upper

82 100

128 45.6 36.5 54.7

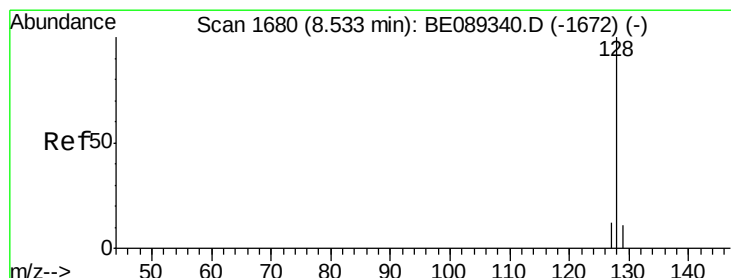
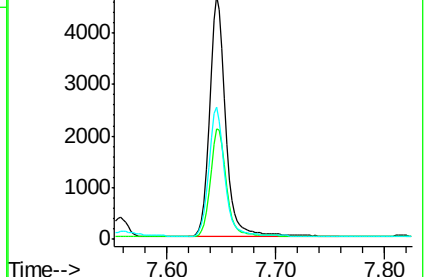
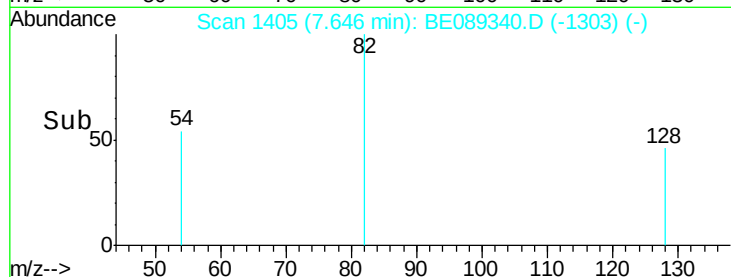
54 54.4 43.5 65.3



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: 1.16 ng

RT: 8.53 min Scan# 1680

Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

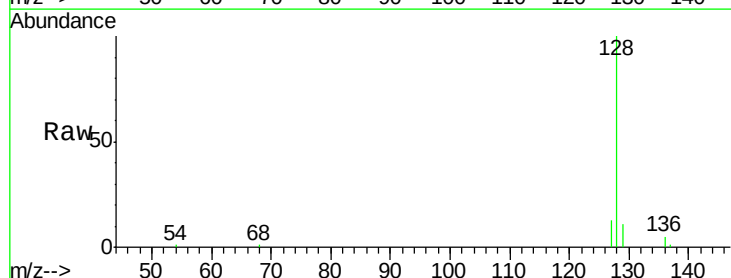
Tgt Ion: 128 Resp: 15147

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

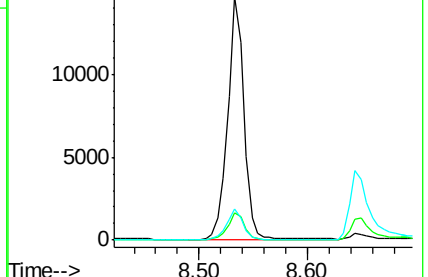
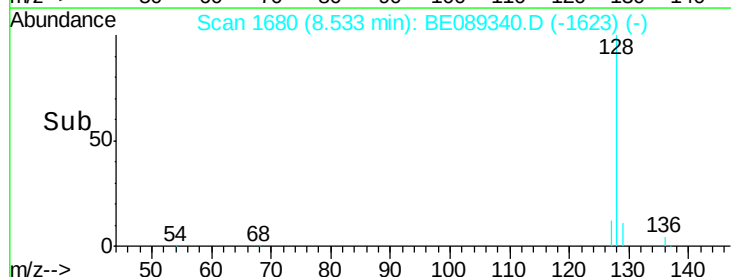
127 12.5 10.0 15.0

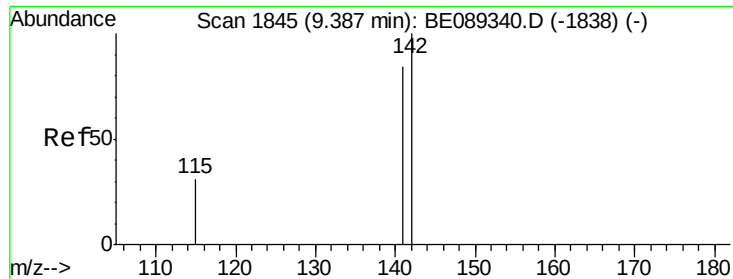


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#5

2-Methylnaphthalene

Concen: 1.21 ng

RT: 9.39 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

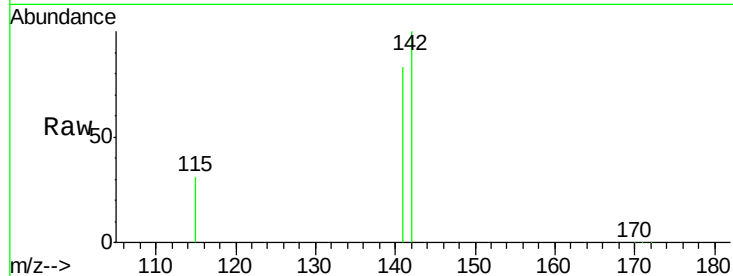
Tgt Ion:142 Resp: 9409

Ion Ratio Lower Upper

142 100

141 82.9 66.3 99.5

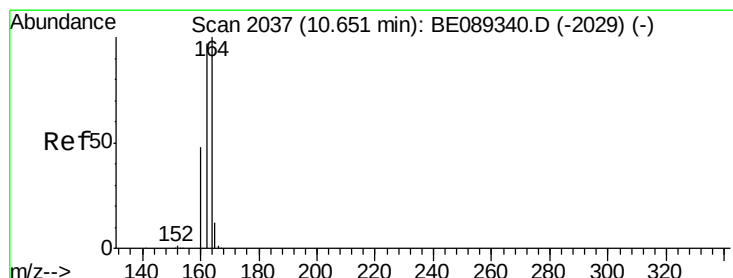
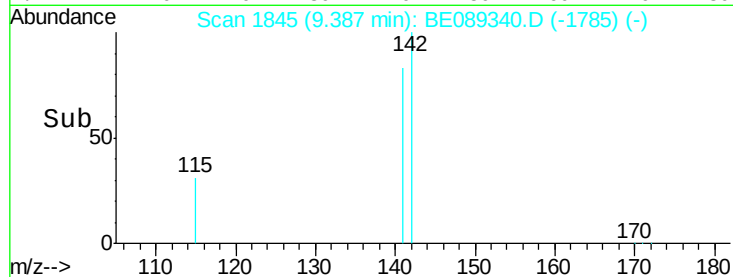
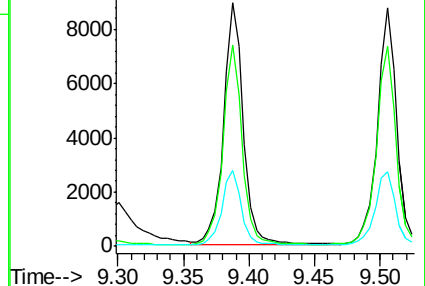
115 31.5 25.2 37.8



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: 10.65 min Scan# 2037

Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

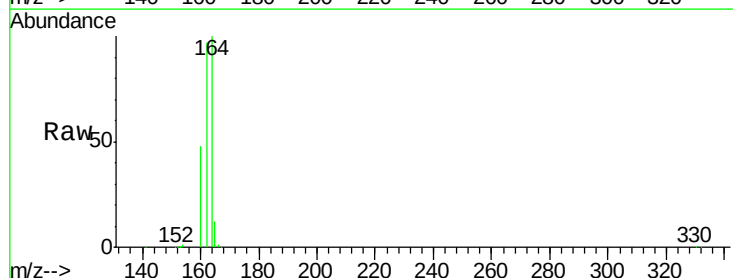
Tgt Ion:164 Resp: 29882

Ion Ratio Lower Upper

164 100

162 96.8 77.4 116.2

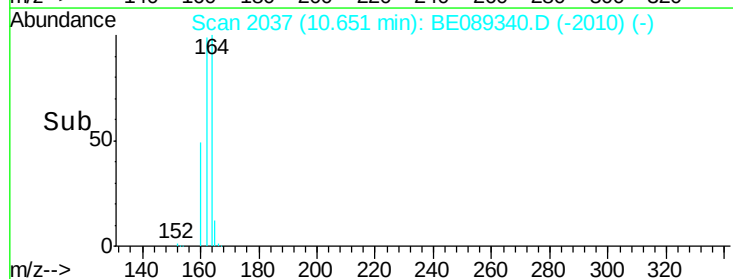
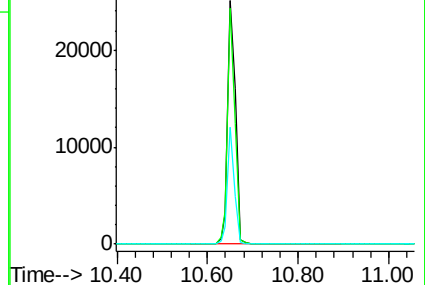
160 47.8 38.2 57.4

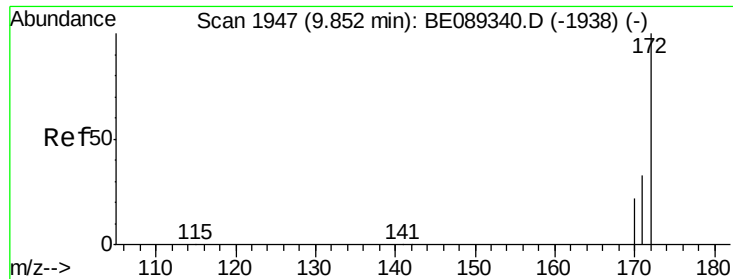


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 1.08 ng

RT: 9.85 min Scan# 1947

Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

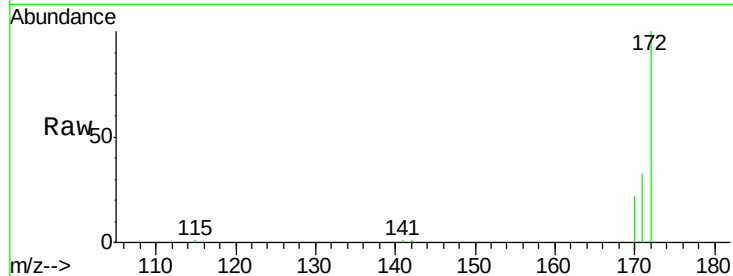
Tgt Ion:172 Resp: 8419

Ion Ratio Lower Upper

172 100

171 33.0 26.4 39.6

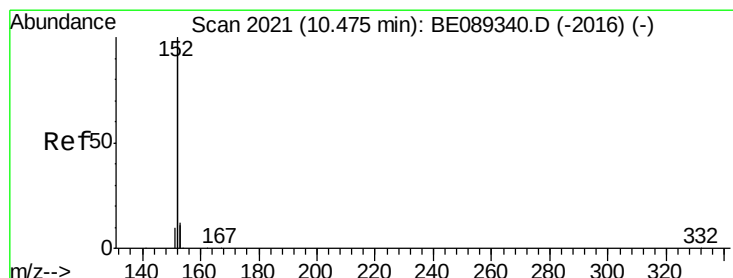
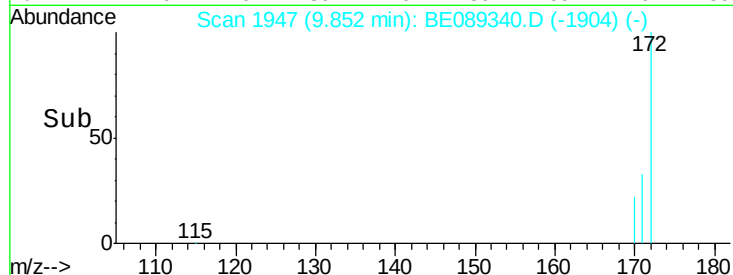
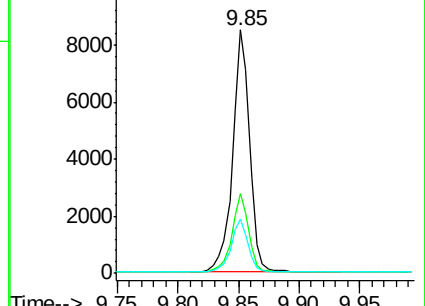
170 22.5 18.0 27.0



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: 1.25 ng

RT: 10.48 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

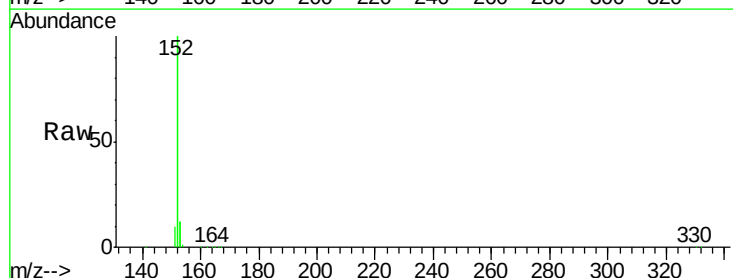
Tgt Ion:152 Resp: 53092

Ion Ratio Lower Upper

152 100

151 5.1 4.1 6.1

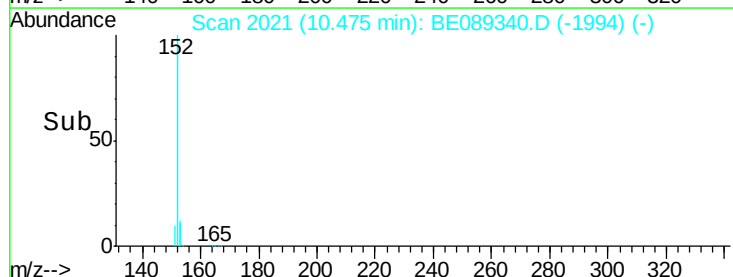
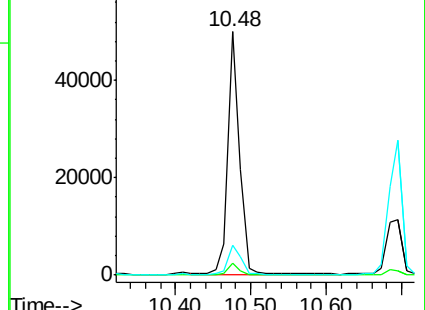
153 12.2 9.8 14.6

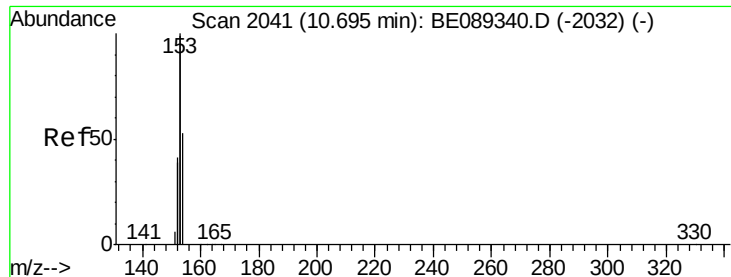


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 1.22 ng

RT: 10.69 min Scan# 2041

Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

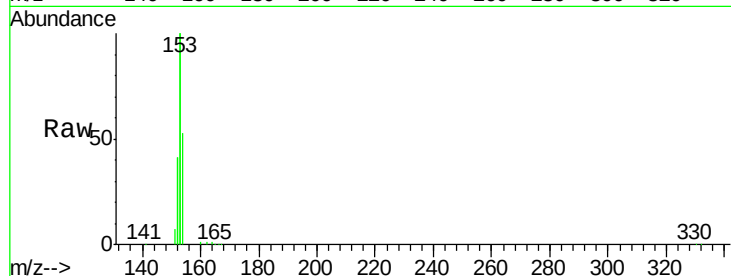
Tgt Ion:154 Resp: 8035

Ion Ratio Lower Upper

154 100

153 375.7 300.6 450.8

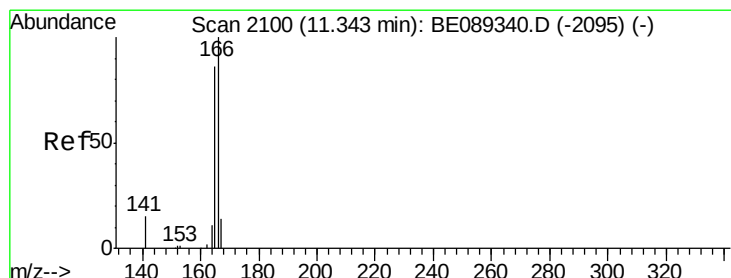
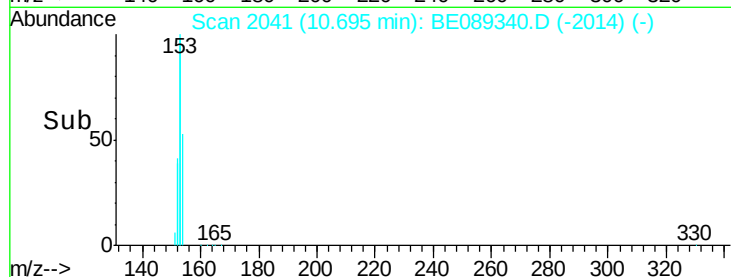
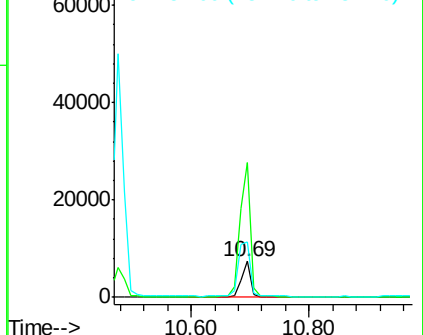
152 154.1 123.3 184.9



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: 1.20 ng

RT: 11.34 min Scan# 2100

Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

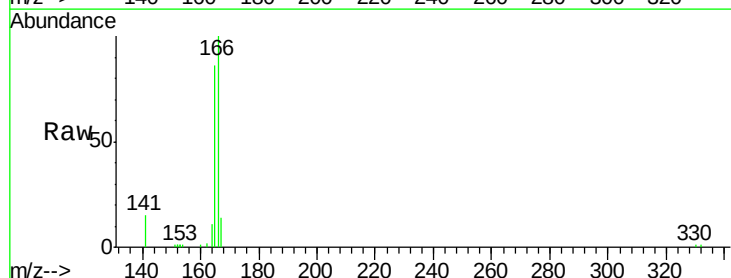
Tgt Ion:166 Resp: 8607

Ion Ratio Lower Upper

166 100

165 90.1 72.1 108.1

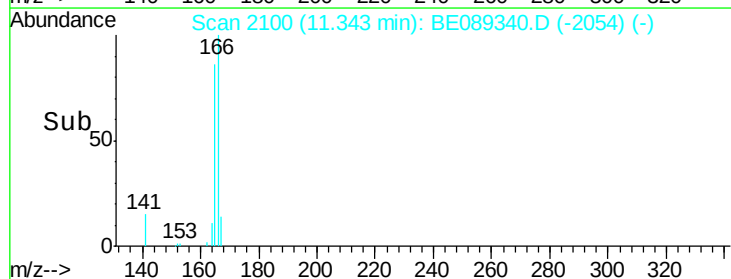
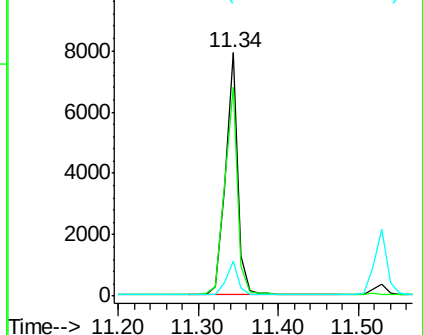
167 13.7 11.0 16.4

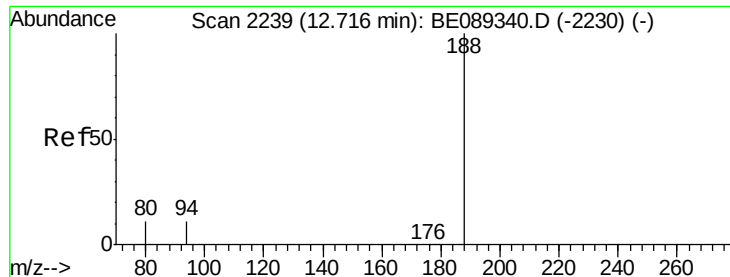


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

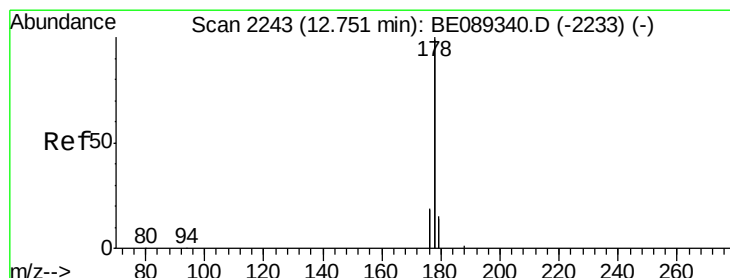
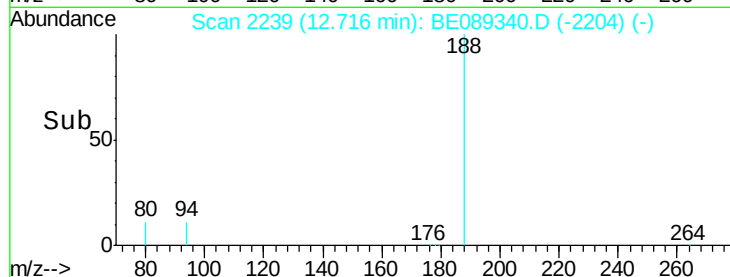
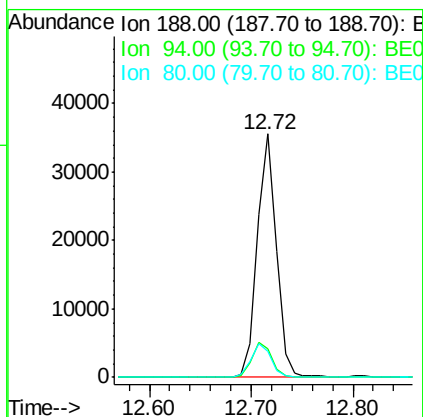
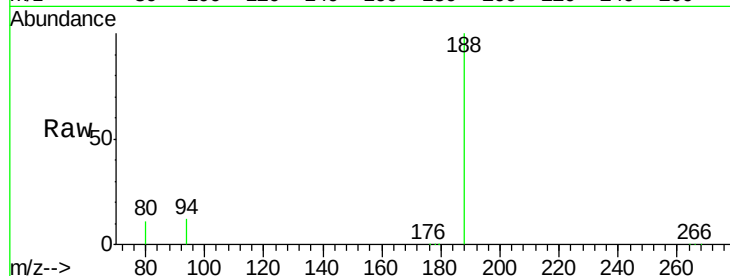




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.72 min Scan# 2239
Delta R.T. 0.00 min
Lab File: BE089340.D
Acq: 7 Jan 2015 22:05

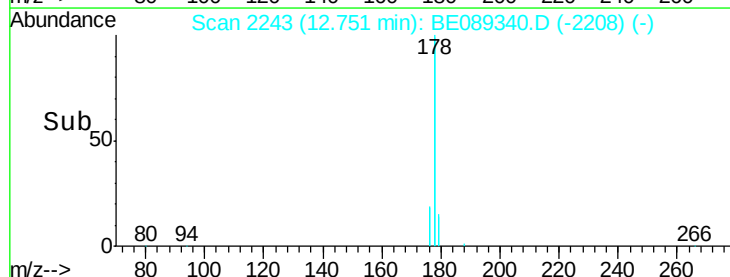
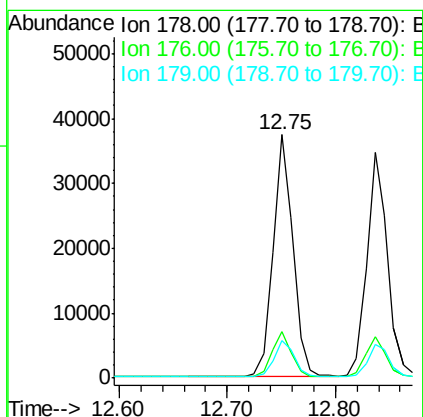
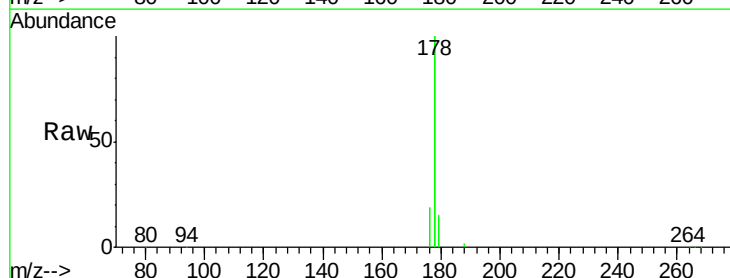
Instrument :
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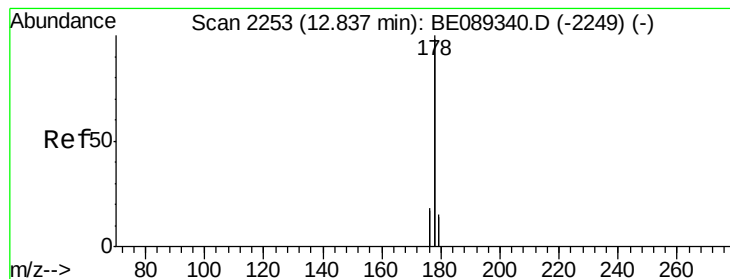
Tgt Ion:188 Resp: 45368
Ion Ratio Lower Upper
188 100
94 11.6 11.0 12.2
80 10.6 10.1 11.1



#12
Phenanthrene
Concen: 1.15 ng
RT: 12.75 min Scan# 2243
Delta R.T. 0.00 min
Lab File: BE089340.D
Acq: 7 Jan 2015 22:05

Tgt Ion:178 Resp: 48220
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.2 12.2 18.2





#13

Anthracene

Concen: 1.23 ng

RT: 12.84 min Scan# 2253

Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

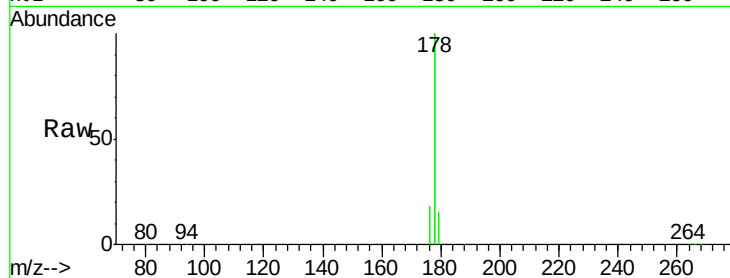
Tgt Ion:178 Resp: 47322

Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

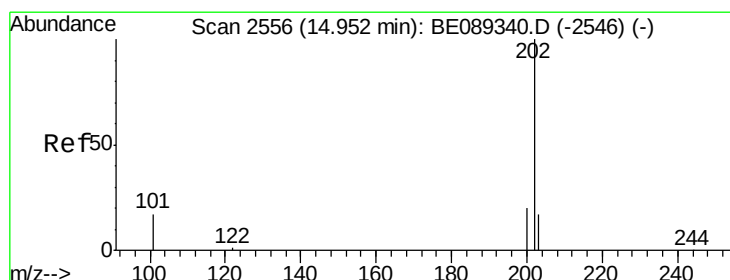
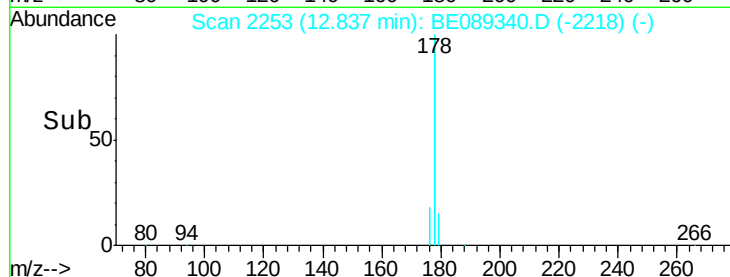
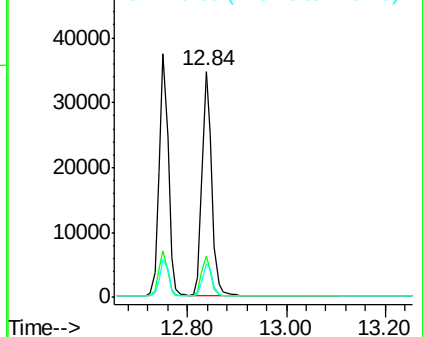
179 15.0 12.0 18.0



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

Fluoranthene

Concen: 1.19 ng

RT: 14.95 min Scan# 2556

Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

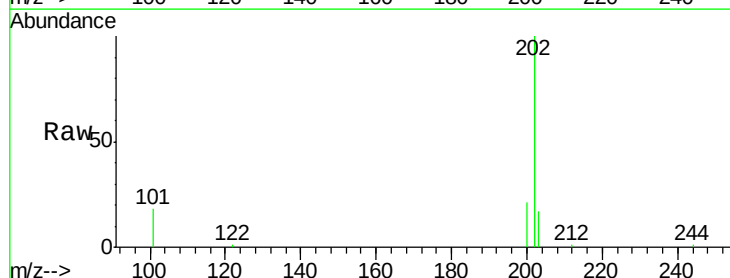
Tgt Ion:202 Resp: 10780

Ion Ratio Lower Upper

202 100

101 17.9 0.0 37.9

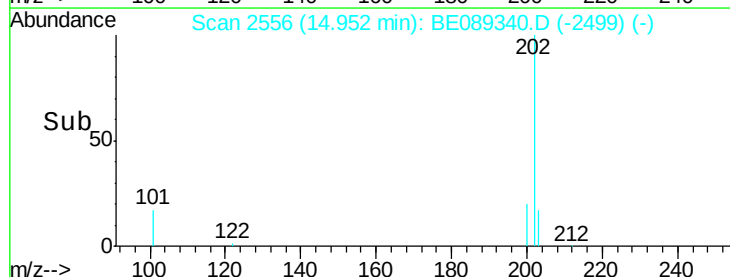
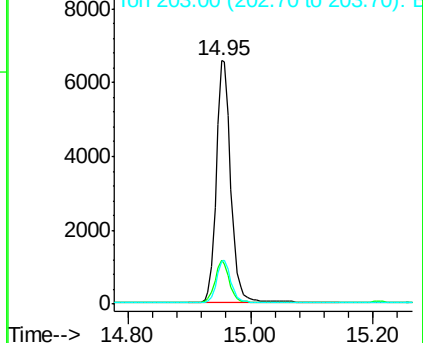
203 17.5 0.0 37.5

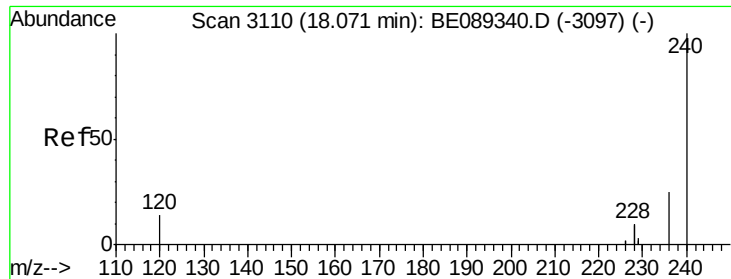


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#15

Chrysene-d12

Concen: 5.00 ng

RT: 18.07 min Scan# 3110

Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

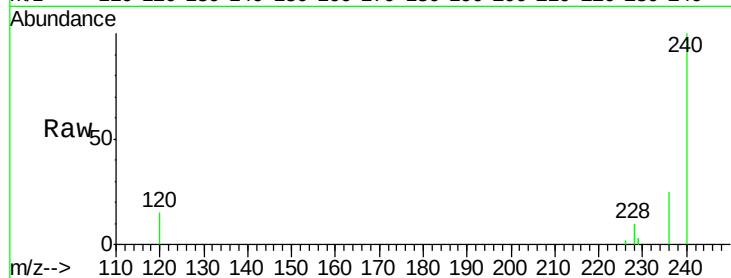
Tgt Ion:240 Resp: 34829

Ion Ratio Lower Upper

240 100

120 14.7 11.8 17.6

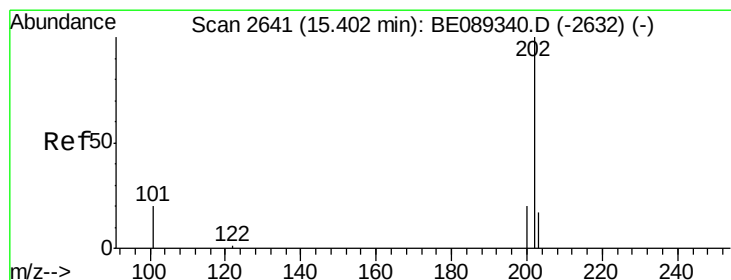
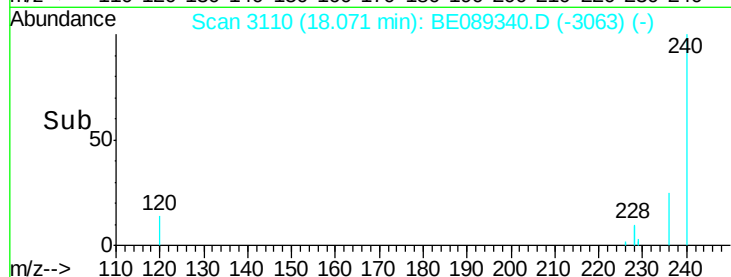
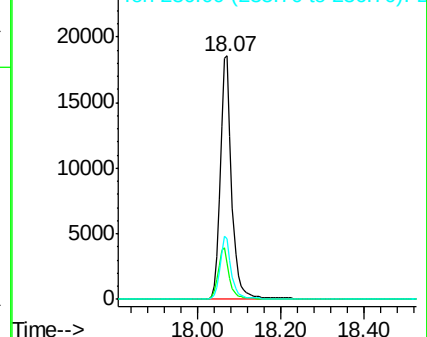
236 25.0 20.0 30.0



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



#16

Pyrene

Concen: 1.34 ng

RT: 15.40 min Scan# 2641

Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

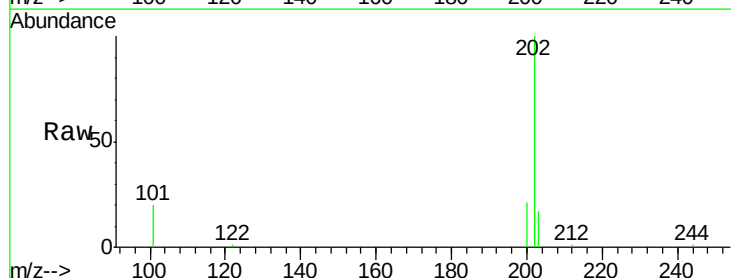
Tgt Ion:202 Resp: 11442

Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

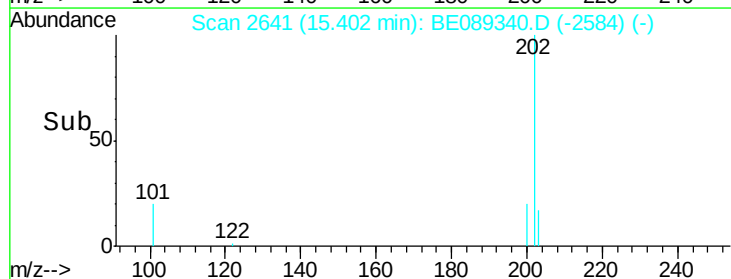
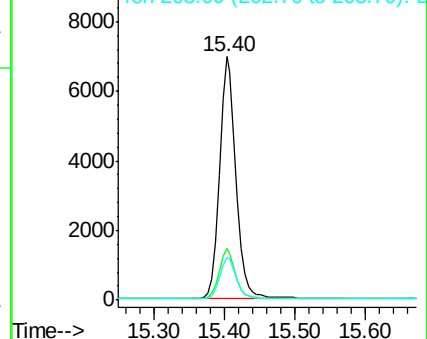
203 17.5 14.0 21.0

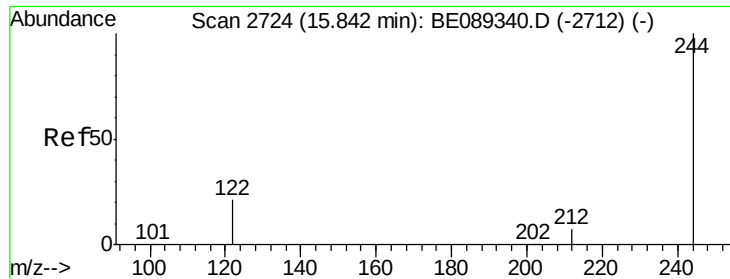


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

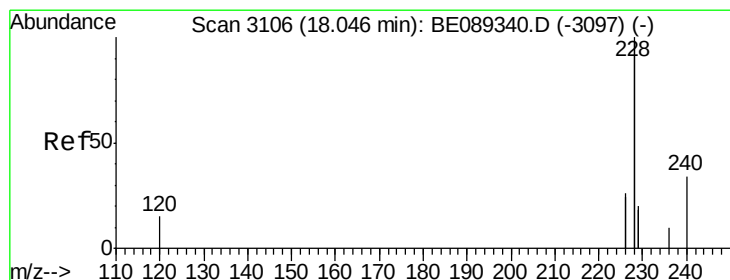
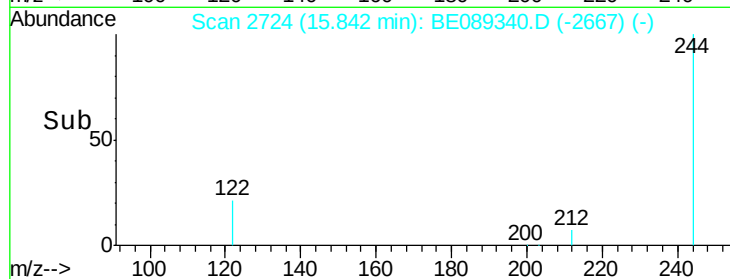
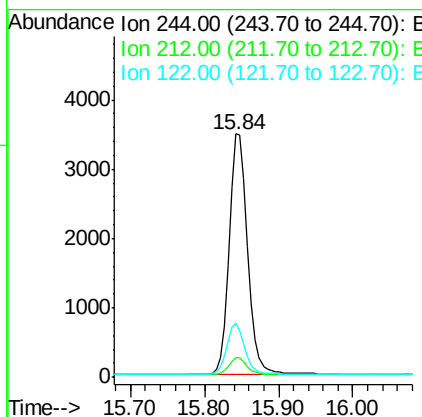
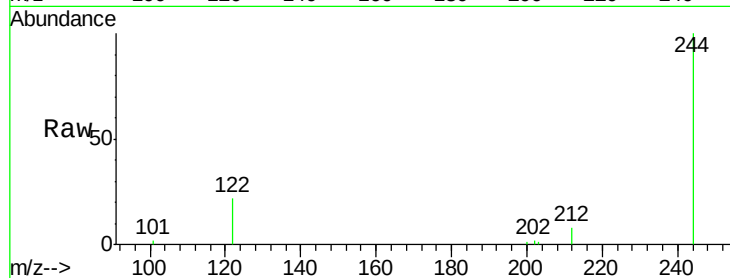




#17
 Terphenyl-d14
 Concen: 1.18 ng
 RT: 15.84 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: BE089340.D
 Acq: 7 Jan 2015 22:05

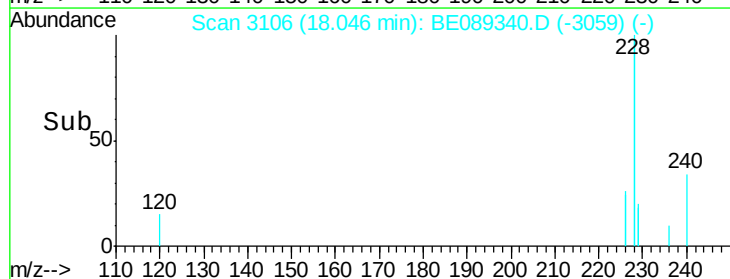
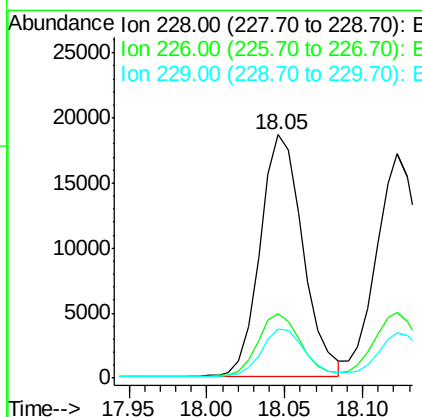
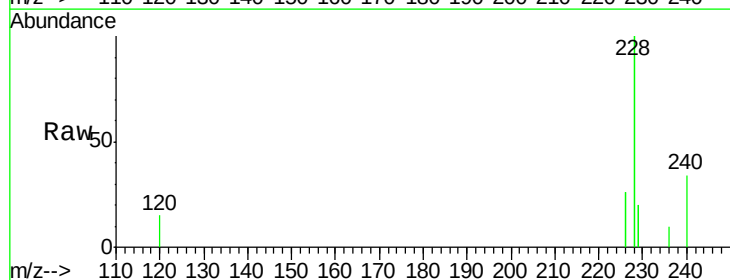
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

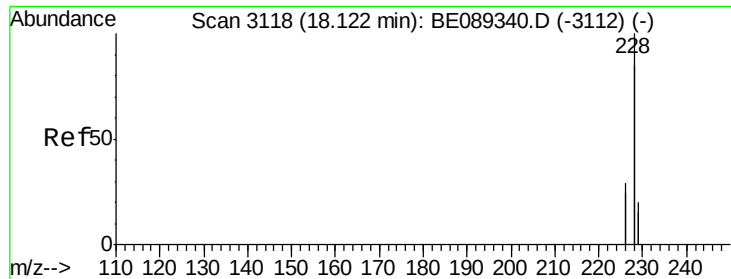
Tgt Ion: 244 Resp: 6081
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.3 9.5
 122 22.1 17.7 26.5



#18
 Benzo(a)anthracene
 Concen: 1.22 ng
 RT: 18.05 min Scan# 3106
 Delta R.T. 0.00 min
 Lab File: BE089340.D
 Acq: 7 Jan 2015 22:05

Tgt Ion: 228 Resp: 35136
 Ion Ratio Lower Upper
 228 100
 226 26.3 21.0 31.6
 229 20.0 16.0 24.0





#19

Chrysene

Concen: 1.23 ng

RT: 18.12 min Scan# 3118

Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

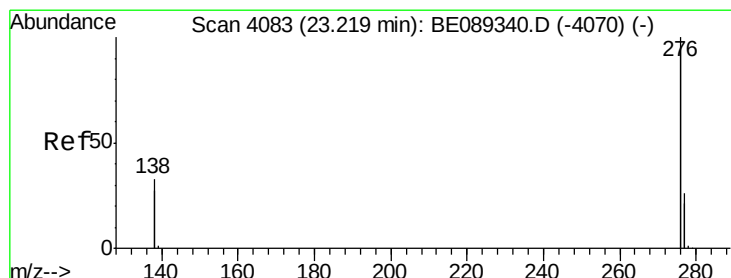
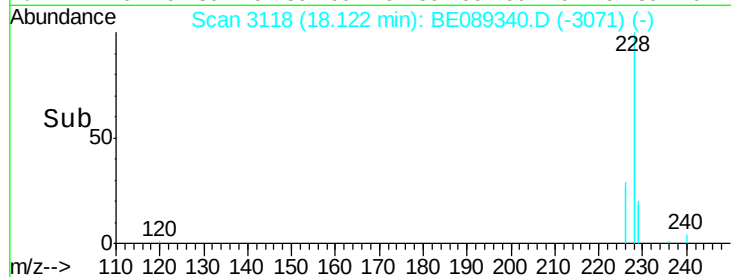
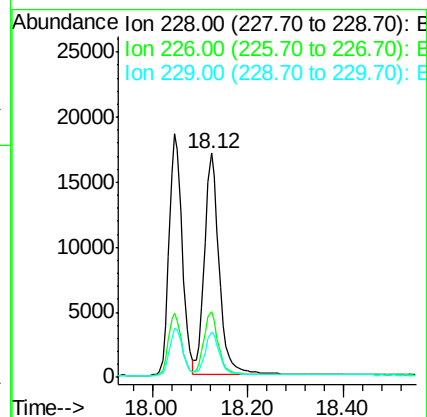
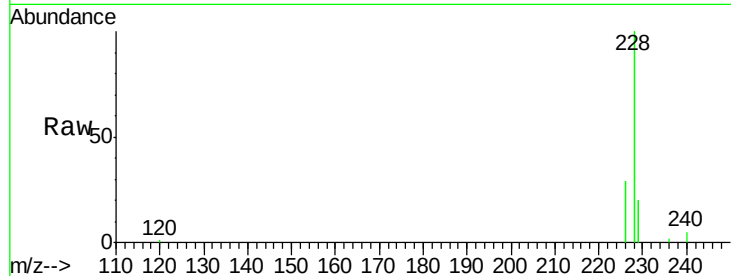
Tgt Ion: 228 Resp: 36781

Ion Ratio Lower Upper

228 100

226 29.4 23.5 35.3

229 20.1 16.1 24.1



#20

Indeno(1,2,3-cd)pyrene

Concen: 0.82 ng

RT: 23.22 min Scan# 4083

Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

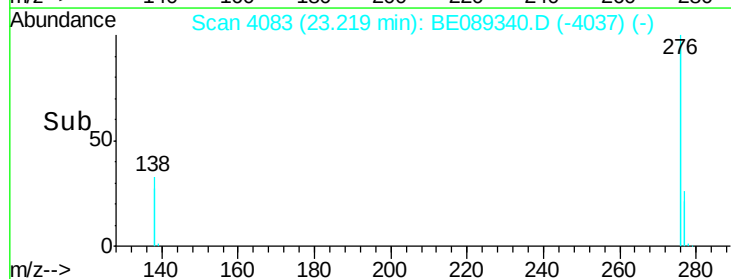
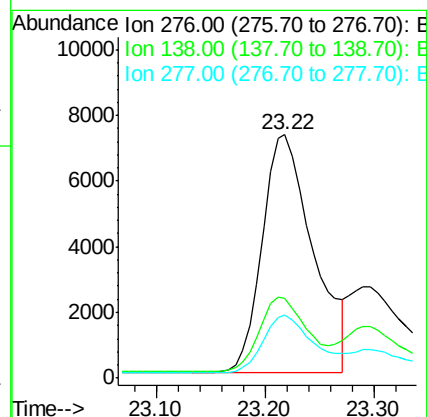
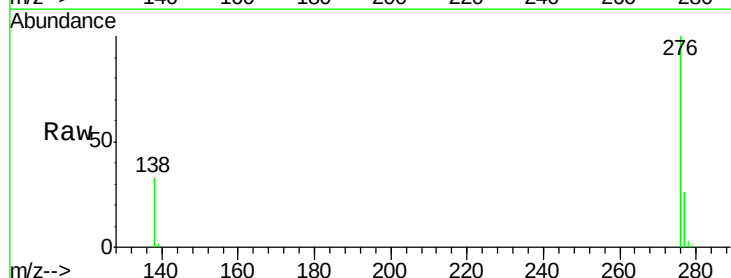
Tgt Ion: 276 Resp: 23482

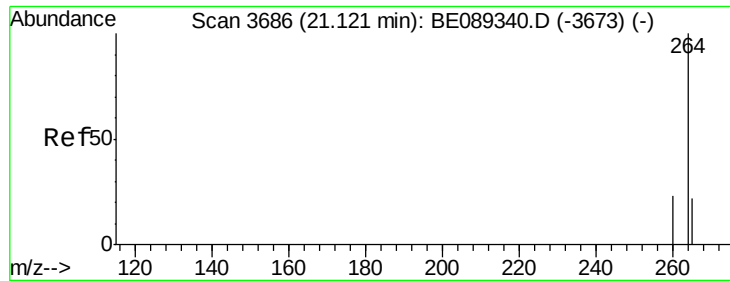
Ion Ratio Lower Upper

276 100

138 29.8 23.8 35.8

277 22.8 18.2 27.4

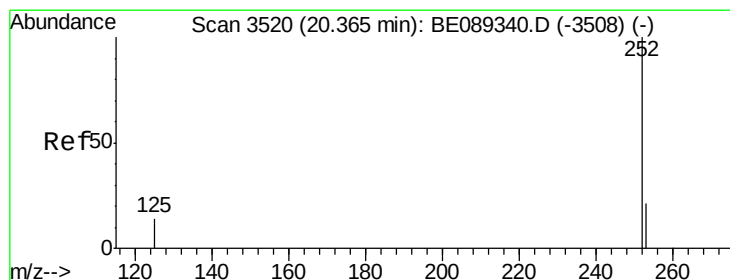
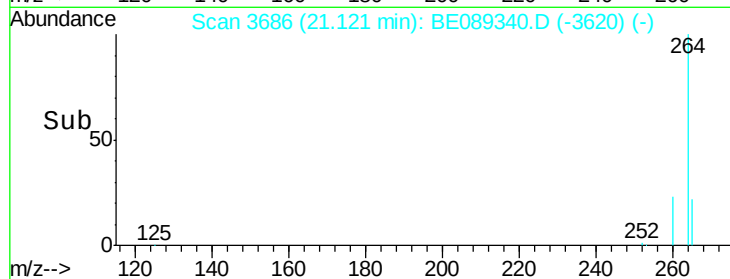
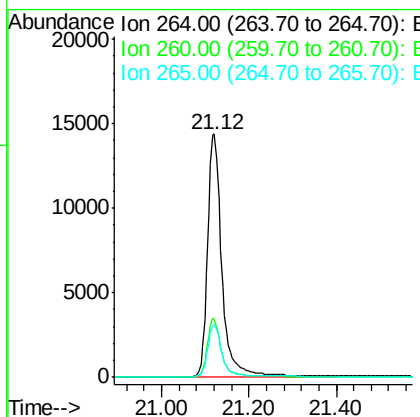
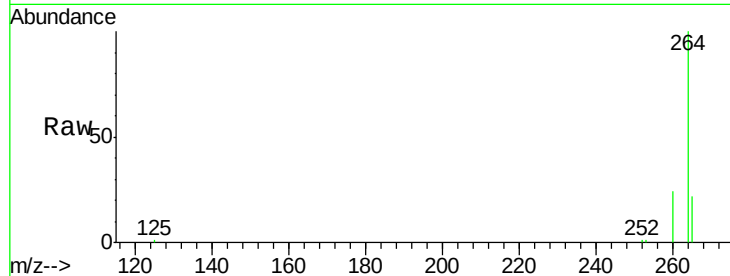




#21
Perylene-d12
Concen: 5.00 ng
RT: 21.12 min Scan# 3686
Delta R.T. 0.00 min
Lab File: BE089340.D
Acq: 7 Jan 2015 22:05

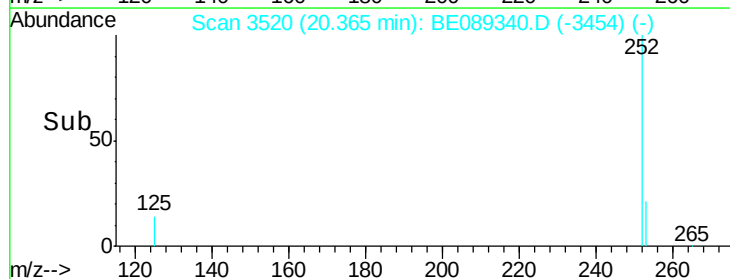
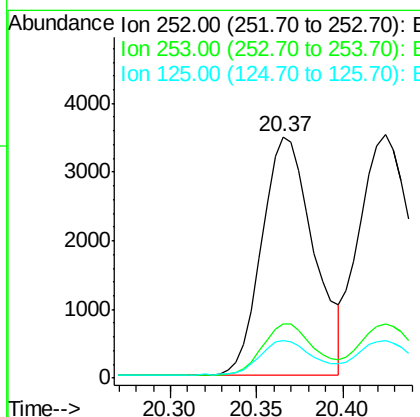
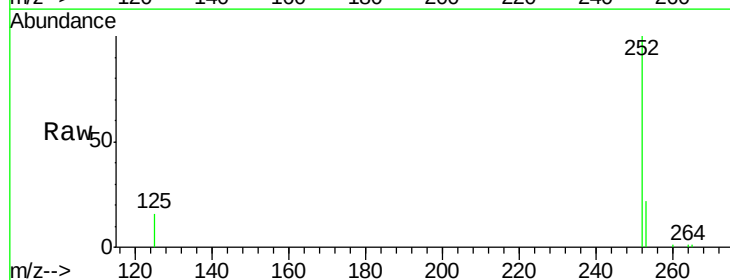
Instrument :
BNA_E
LabSampleId :
SSTDICCC001

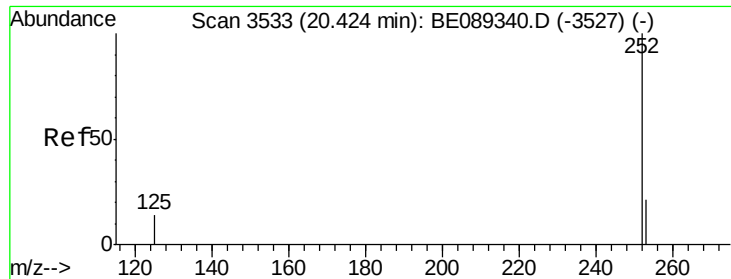
Tgt Ion:264 Resp: 32358
Ion Ratio Lower Upper
264 100
260 23.6 18.9 28.3
265 21.8 17.4 26.2



#22
Benzo(b)fluoranthene
Concen: 1.13 ng
RT: 20.37 min Scan# 3520
Delta R.T. 0.00 min
Lab File: BE089340.D
Acq: 7 Jan 2015 22:05

Tgt Ion:252 Resp: 7252
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 15.7 12.6 18.8





#23

Benzo(k)fluoranthene

Concen: 1.12 ng

RT: 20.42 min Scan# 3533

Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

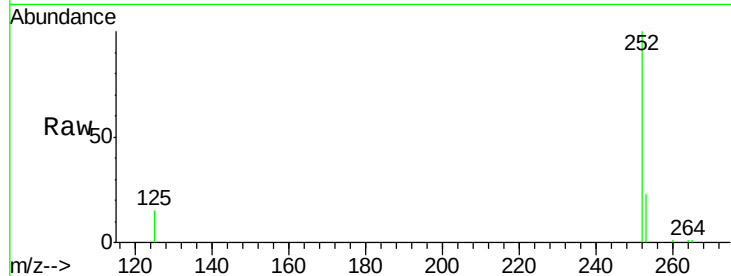
Tgt Ion:252 Resp: 9270

Ion Ratio Lower Upper

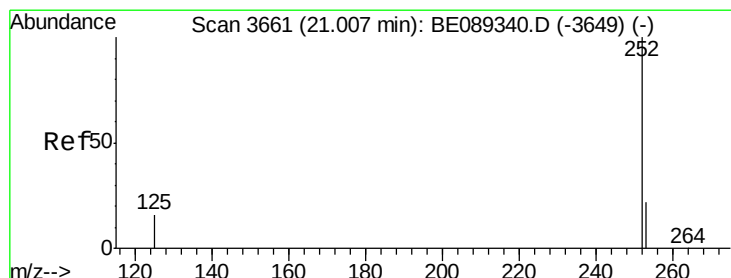
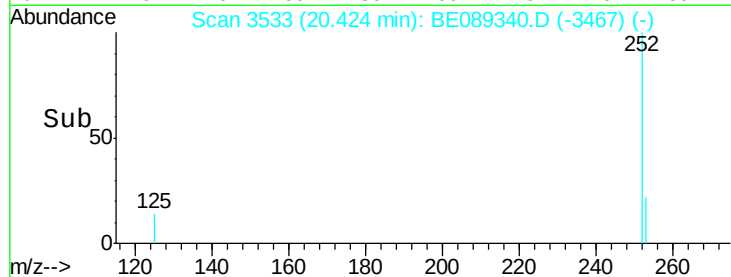
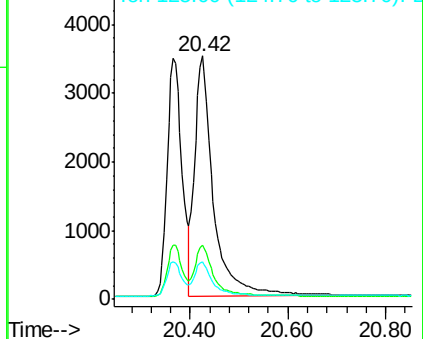
252 100

253 22.5 18.0 27.0

125 15.5 12.4 18.6



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(a)pyrene

Concen: 1.16 ng

RT: 21.01 min Scan# 3661

Delta R.T. 0.00 min

Lab File: BE089340.D

Acq: 7 Jan 2015 22:05

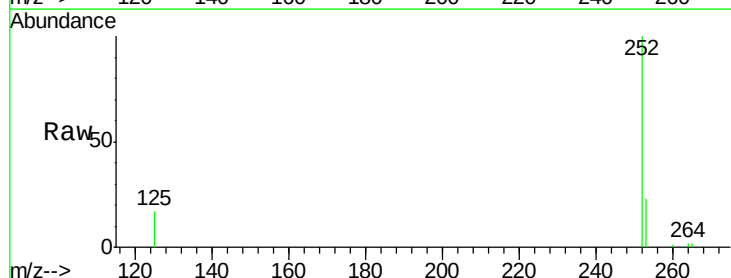
Tgt Ion:252 Resp: 7066

Ion Ratio Lower Upper

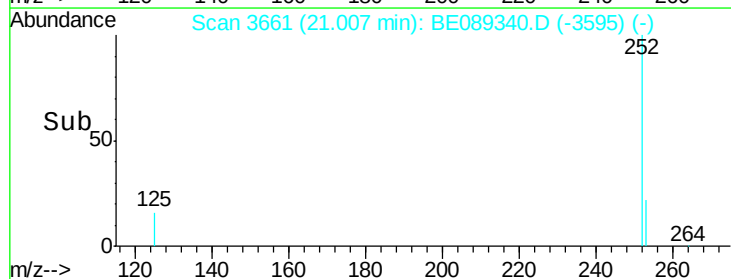
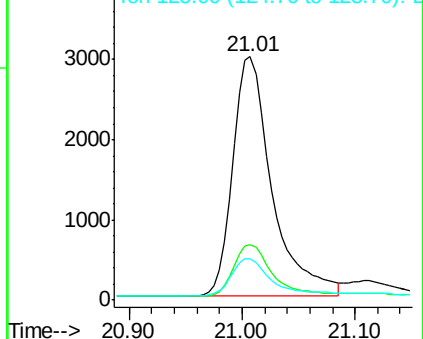
252 100

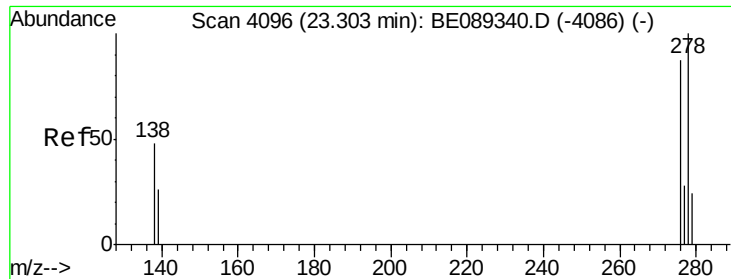
253 22.9 18.3 27.5

125 17.3 13.8 20.8



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

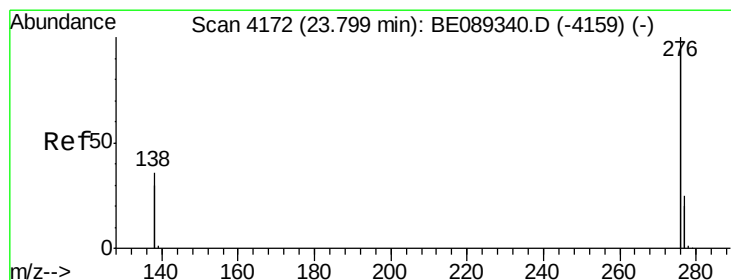
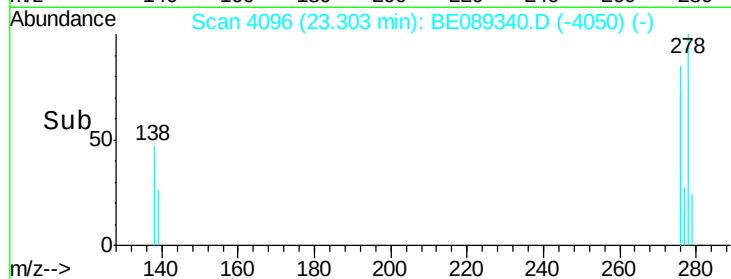
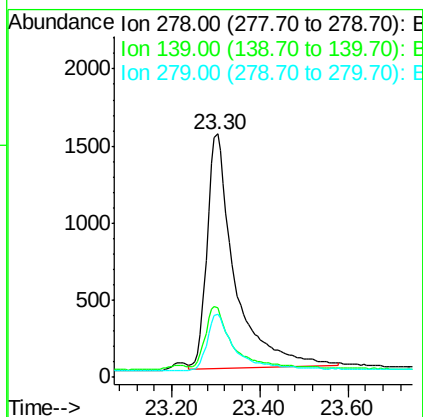
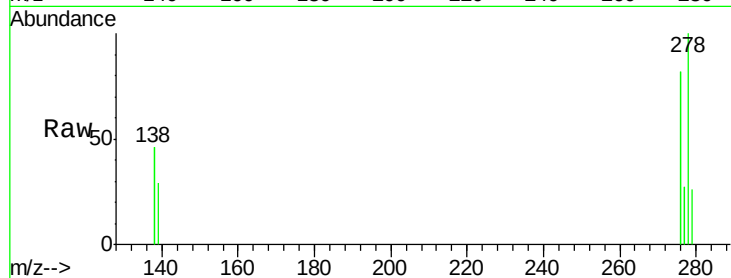




#25
Dibenzo(a,h)anthracene
Concen: 1.04 ng
RT: 23.30 min Scan# 4096
Delta R.T. 0.00 min
Lab File: BE089340.D
Acq: 7 Jan 2015 22:05

Instrument :
BNA_E
LabSampleId :
SSTDICCC001

Tgt Ion:278 Resp: 6644
Ion Ratio Lower Upper
278 100
139 28.6 22.9 34.3
279 26.0 20.8 31.2



#26
Benzo(g,h,i)perylene
Concen: 1.14 ng
RT: 23.80 min Scan# 4172
Delta R.T. 0.00 min
Lab File: BE089340.D
Acq: 7 Jan 2015 22:05

Tgt Ion:276 Resp: 33099
Ion Ratio Lower Upper
276 100
277 25.0 20.0 30.0
138 35.6 28.5 42.7

