

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013015\
 Data File : BE089439.D
 Acq On : 30 Jan 2015 9:28
 Operator : TP/IZ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005

Quant Time: Jan 31 04:45:33 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE013015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 31 04:33:09 2015
 Response via : Initial Calibration

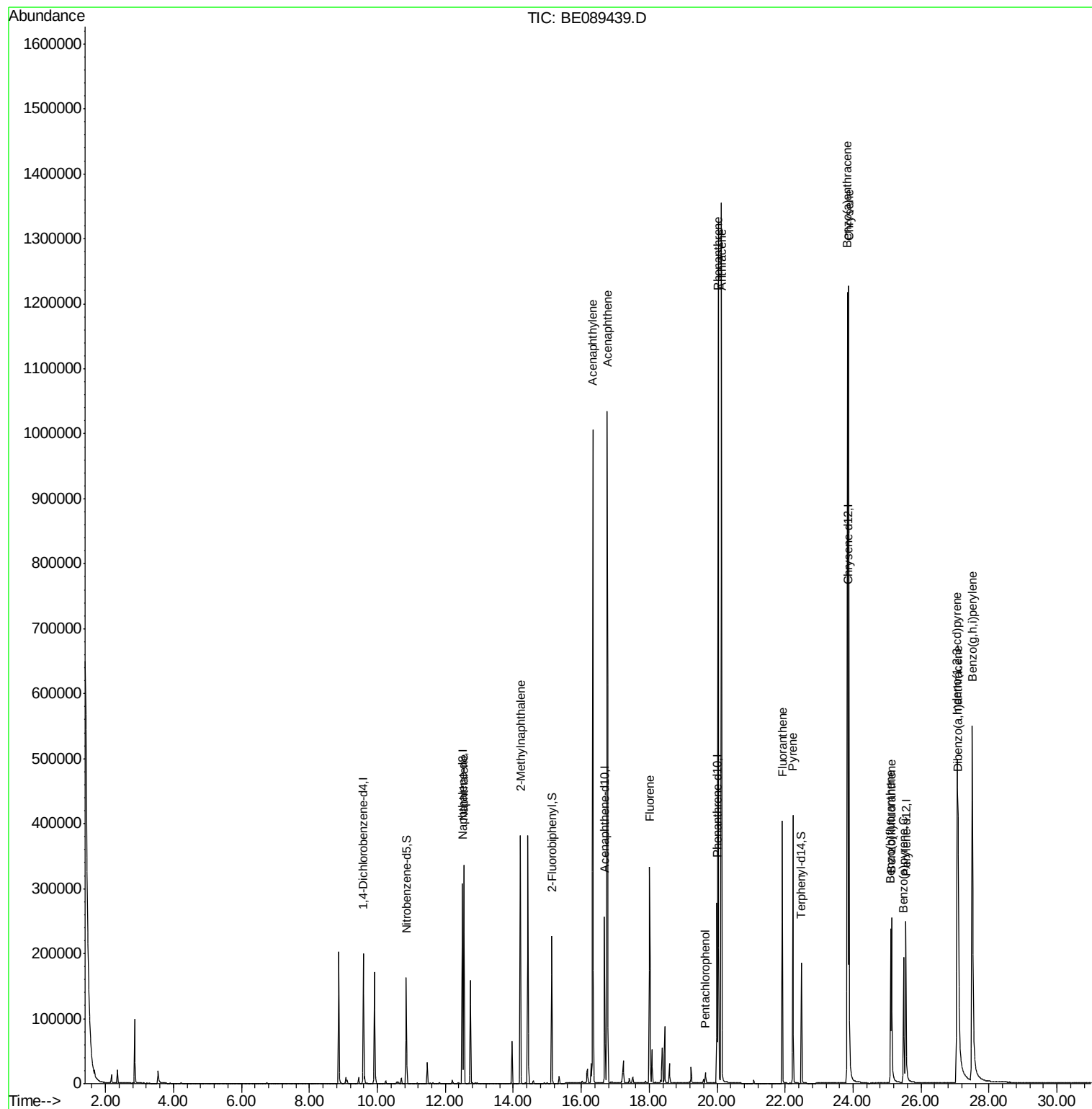
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.59	152	80285	5.00	ng	0.00
2) Naphthalene-d8	12.50	136	343300	5.00	ng	0.00
6) Acenaphthene-d10	16.69	164	165600	5.00	ng	-0.01
11) Phenanthrene-d10	19.99	188	278799	5.00	ng	0.00
16) Chrysene-d12	23.85	240	247574	5.00	ng	0.00
22) Perylene-d12	25.55	264	238050	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.85	82	112245	6.33	ng	0.00
7) 2-Fluorobiphenyl	15.14	172	198975	5.29	ng	0.00
18) Terphenyl-d14	22.48	244	160619	5.01	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	12.55	128	372701	5.66	ng	99
5) 2-Methylnaphthalene	14.21	142	233297	5.68	ng	97
8) Acenaphthylene	16.33	152	1357667	5.81	ng	100
9) Acenaphthene	16.76	154	198304	5.36	ng	100
10) Fluorene	18.01	166	219812	5.68	ng	99
12) Pentachlorophenol	19.66	266	9916	2.94	ng	94
13) Phenanthrene	20.03	178	1204154	5.05	ng	100
14) Anthracene	20.12	178	1160392	5.32	ng	100
15) Fluoranthene	21.91	202	269332	5.68	ng	100
17) Pyrene	22.23	202	281263	4.54	ng	100
19) Benzo(a)anthracene	23.83	228	950963	5.69	ng	96
20) Chrysene	23.87	228	1008144	4.81	ng	99
21) Indeno(1,2,3-cd)pyrene	27.06	276	1101712	9.46	ng	100
23) Benzo(b)fluoranthene	25.10	252	197911	7.11	ng	99
24) Benzo(k)fluoranthene	25.13	252	289939	6.01	ng	99
25) Benzo(a)pyrene	25.48	252	204427	7.23	ng	100
26) Dibenzo(a,h)anthracene	27.10	278	230960	9.82	ng	97
27) Benzo(g,h,i)perylene	27.51	276	939827	6.82	ng	96

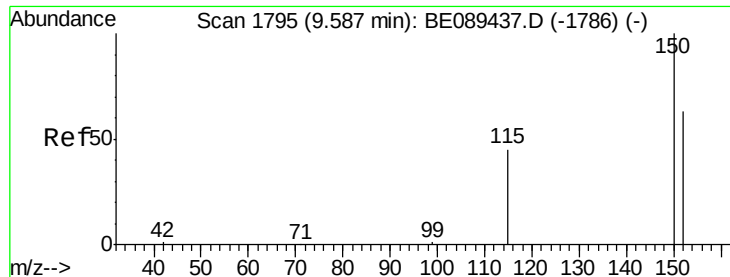
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.59 min Scan# 1795

Delta R.T. -0.00 min

Lab File: BE089439.D

Acq: 30 Jan 2015 9:28

Instrument :

BNA_E

LabSampleId :

SSTDIC005

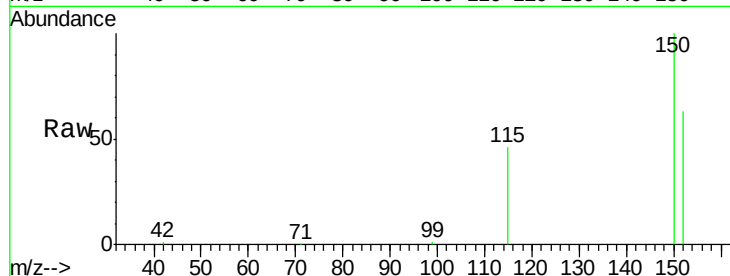
Tgt Ion:152 Resp: 80285

Ion Ratio Lower Upper

152 100

150 158.2 127.2 190.8

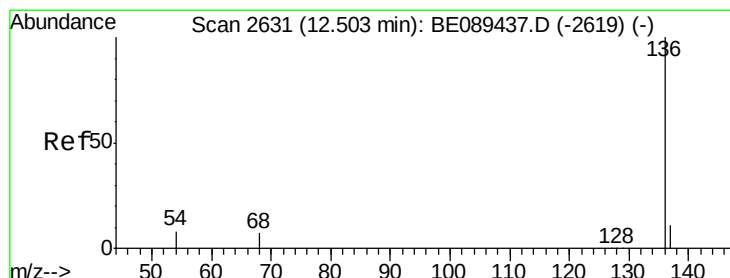
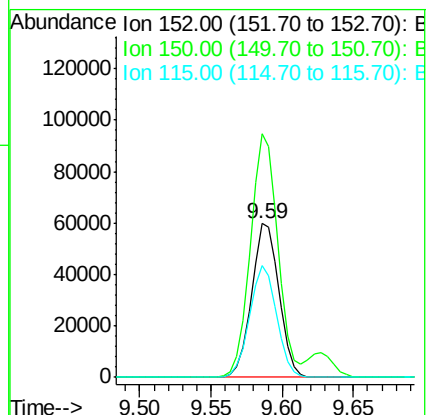
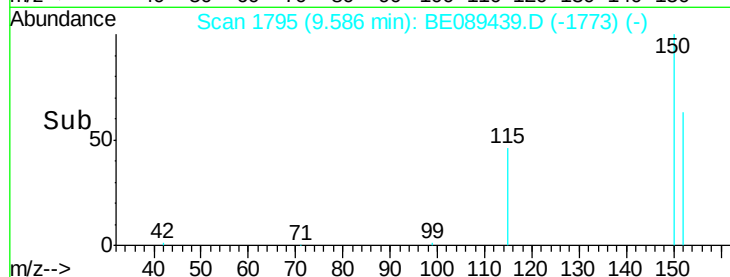
115 72.5 57.5 86.3



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: 12.50 min Scan# 2631

Delta R.T. -0.00 min

Lab File: BE089439.D

Acq: 30 Jan 2015 9:28

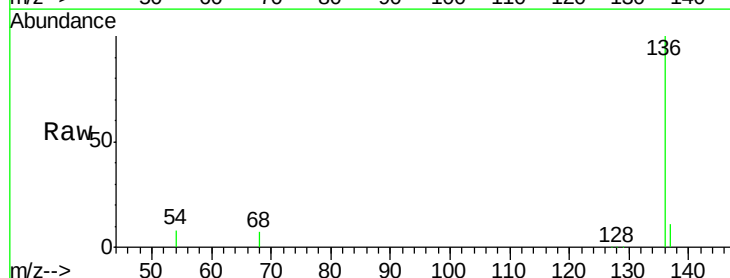
Tgt Ion:136 Resp: 343300

Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

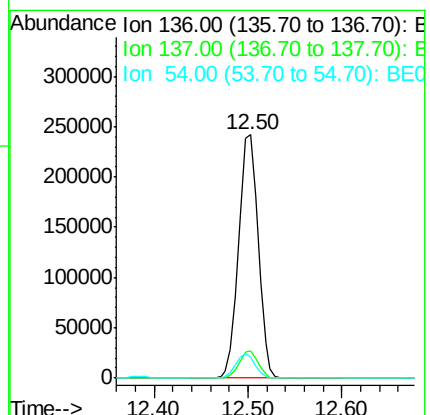
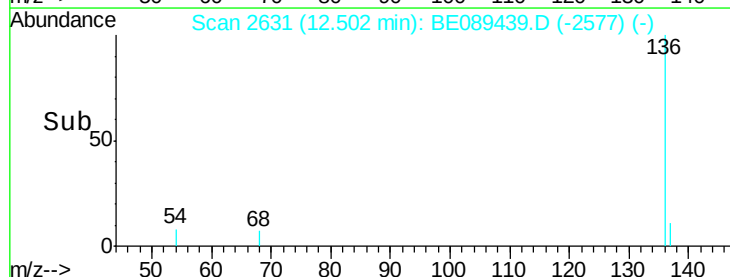
54 8.3 6.6 10.0

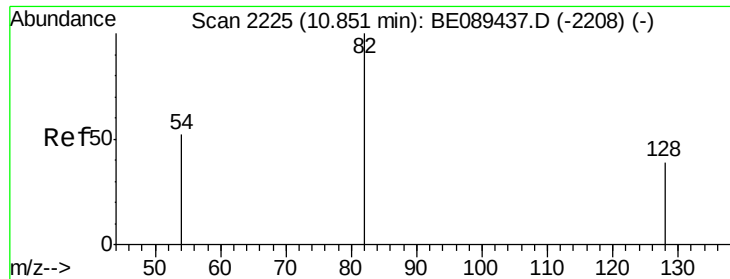


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 6.33 ng

RT: 10.85 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BE089439.D

Acq: 30 Jan 2015 9:28

Instrument :

BNA_E

LabSampleId :

SSTDIC005

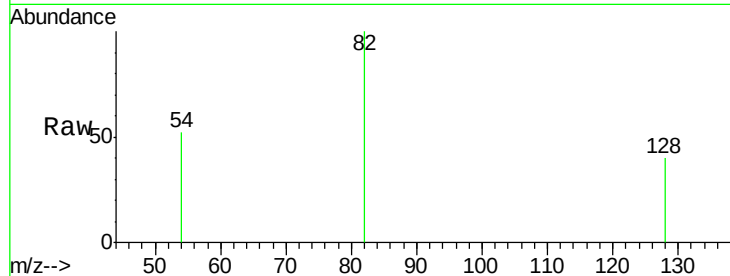
Tgt Ion: 82 Resp: 112245

Ion Ratio Lower Upper

82 100

128 39.6 31.2 46.8

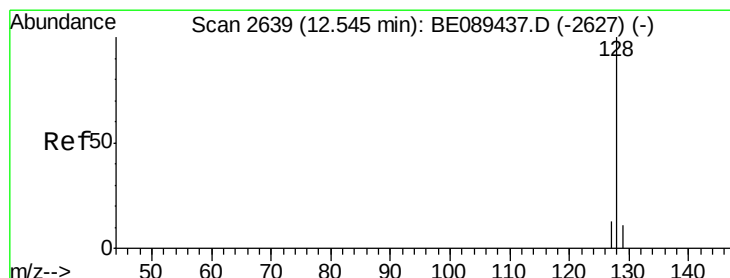
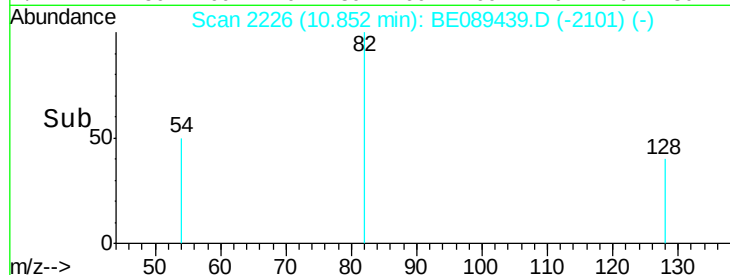
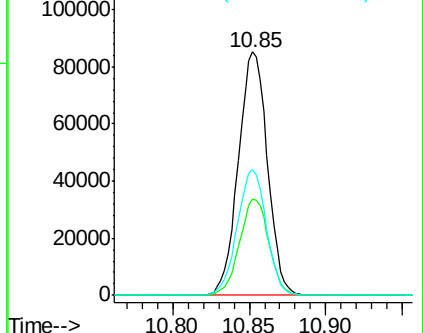
54 51.8 41.9 62.9



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: 5.66 ng

RT: 12.55 min Scan# 2640

Delta R.T. 0.00 min

Lab File: BE089439.D

Acq: 30 Jan 2015 9:28

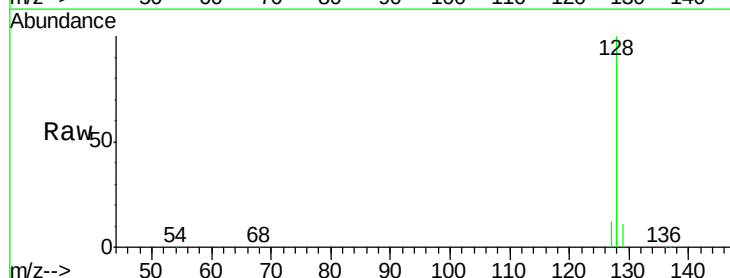
Tgt Ion: 128 Resp: 372701

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

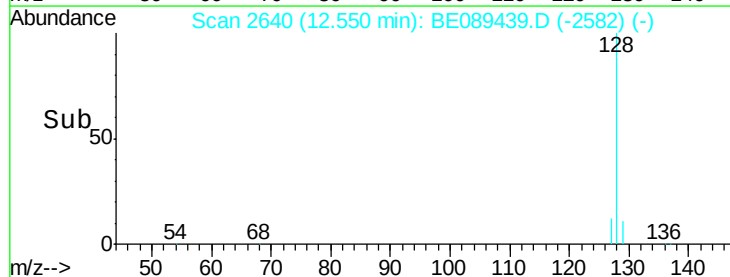
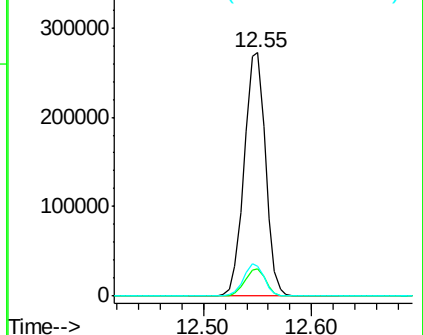
127 12.5 10.6 16.0

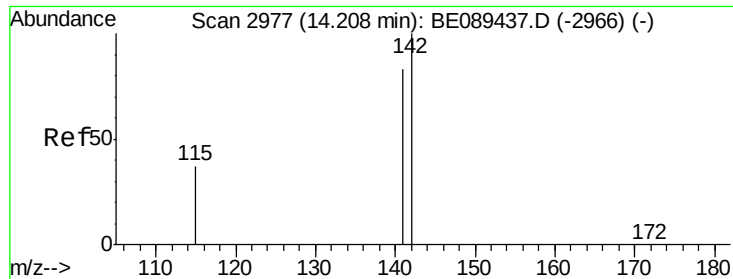


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#5

2-Methylnaphthalene

Concen: 5.68 ng

RT: 14.21 min Scan# 2977

Delta R.T. -0.00 min

Lab File: BE089439.D

Acq: 30 Jan 2015 9:28

Instrument :

BNA_E

LabSampleId :

SSTDIC005

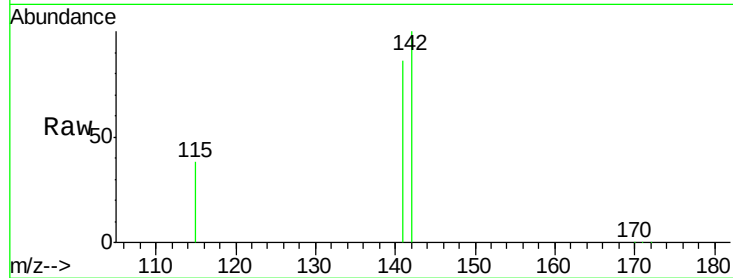
Tgt Ion:142 Resp: 233297

Ion Ratio Lower Upper

142 100

141 85.5 66.1 99.1

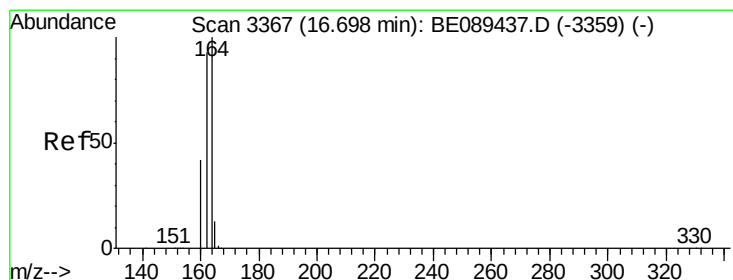
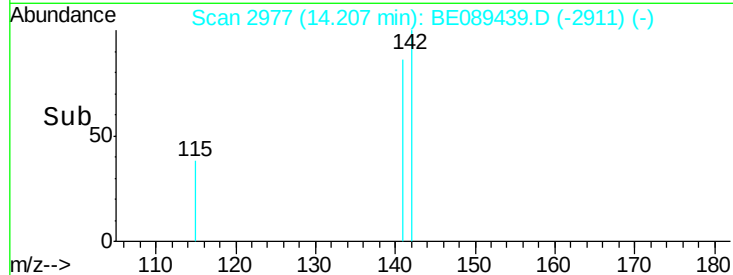
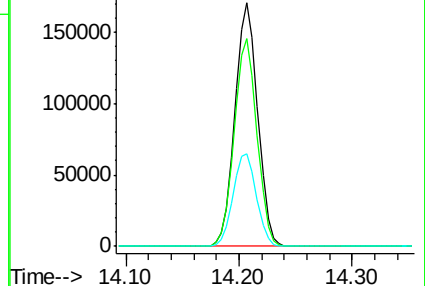
115 38.2 29.9 44.9



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: 16.69 min Scan# 3366

Delta R.T. -0.01 min

Lab File: BE089439.D

Acq: 30 Jan 2015 9:28

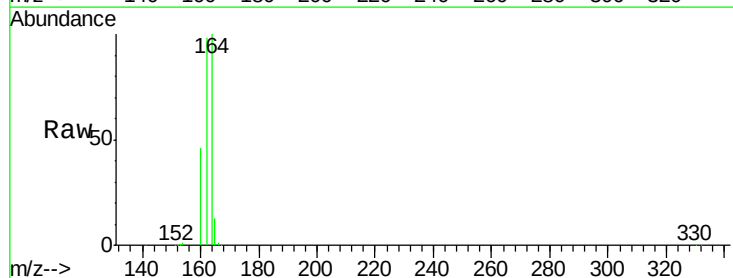
Tgt Ion:164 Resp: 165600

Ion Ratio Lower Upper

164 100

162 98.0 74.7 112.1

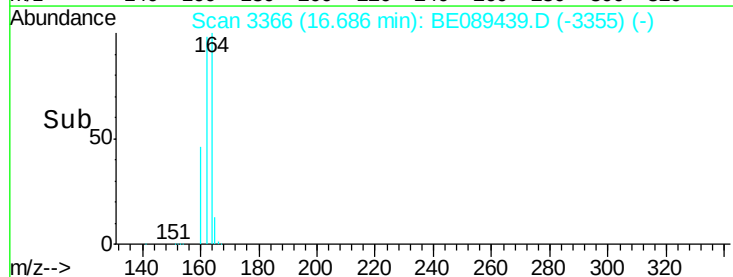
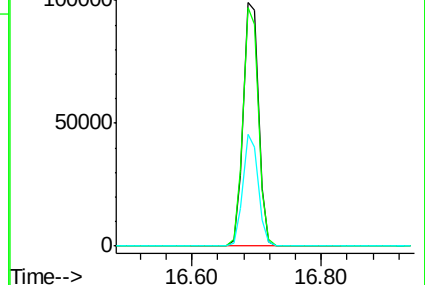
160 45.9 33.4 50.0

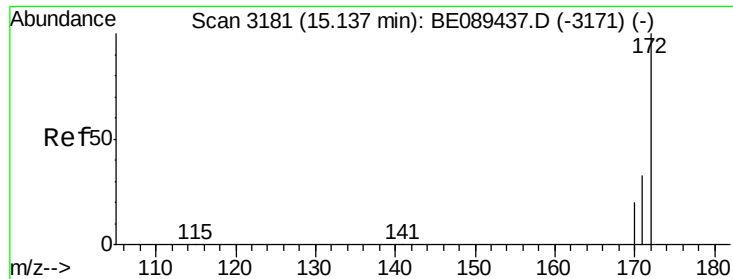


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 5.29 ng

RT: 15.14 min Scan# 3181

Delta R.T. -0.00 min

Lab File: BE089439.D

Acq: 30 Jan 2015 9:28

Instrument :

BNA_E

LabSampleId :

SSTDIC005

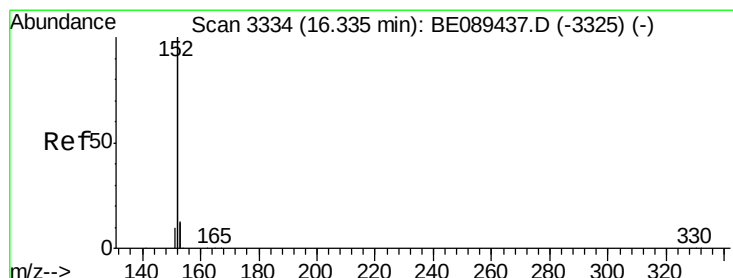
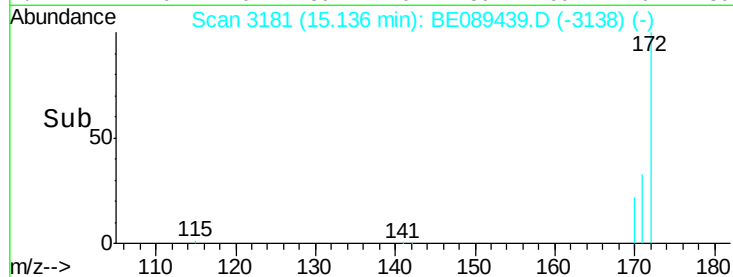
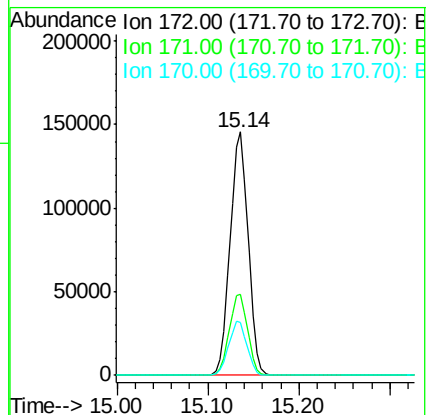
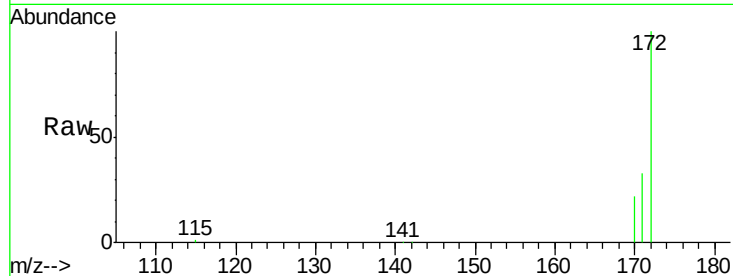
Tgt Ion:172 Resp: 198975

Ion Ratio Lower Upper

172 100

171 33.1 26.2 39.4

170 21.6 16.5 24.7



#8

Acenaphthylene

Concen: 5.81 ng

RT: 16.33 min Scan# 3334

Delta R.T. -0.00 min

Lab File: BE089439.D

Acq: 30 Jan 2015 9:28

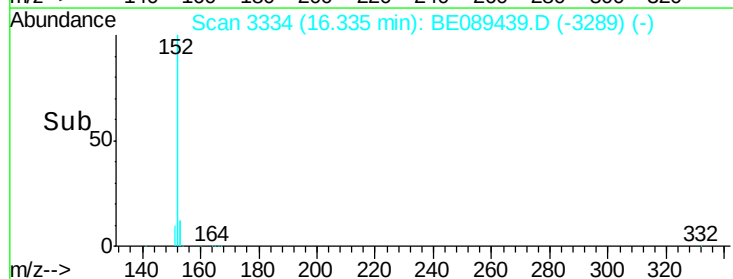
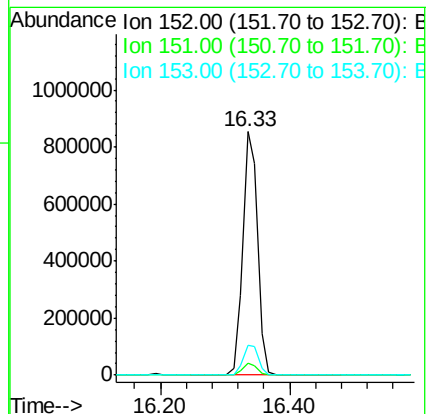
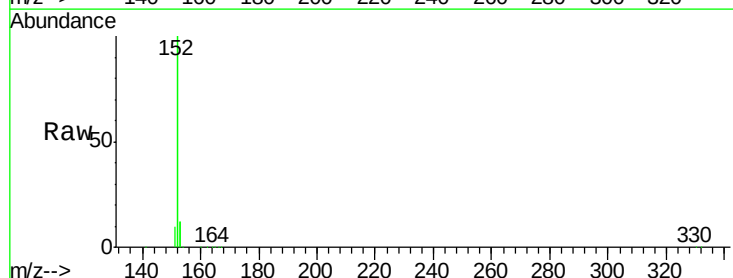
Tgt Ion:152 Resp: 1357667

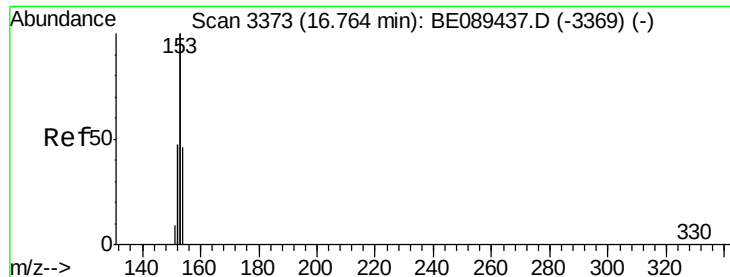
Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

153 12.8 10.3 15.5





#9

Acenaphthene

Concen: 5.36 ng

RT: 16.76 min Scan# 3373

Delta R.T. -0.00 min

Lab File: BE089439.D

Acq: 30 Jan 2015 9:28

Instrument :

BNA_E

LabSampleId :

SSTDIC005

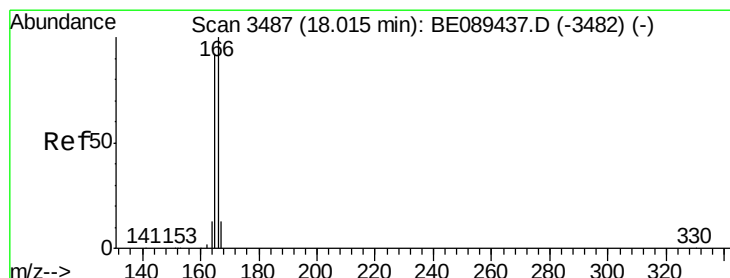
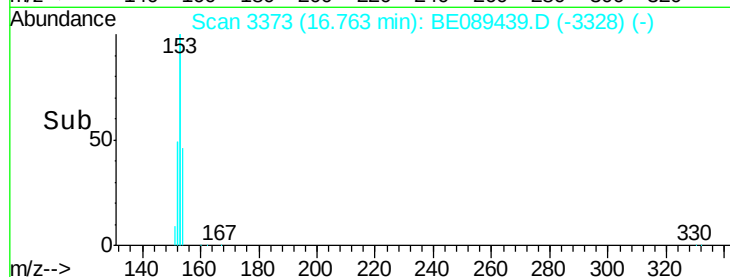
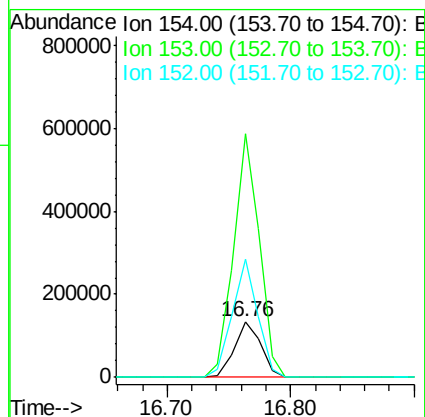
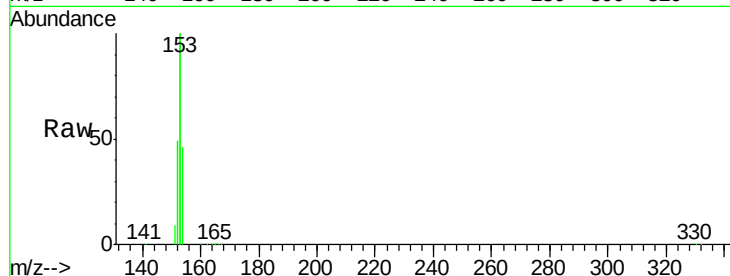
Tgt Ion:154 Resp: 198304

Ion Ratio Lower Upper

154 100

153 428.0 342.3 513.5

152 206.0 165.5 248.3



#10

Fluorene

Concen: 5.68 ng

RT: 18.01 min Scan# 3487

Delta R.T. -0.00 min

Lab File: BE089439.D

Acq: 30 Jan 2015 9:28

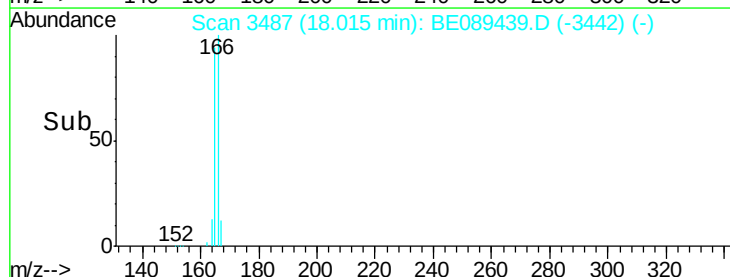
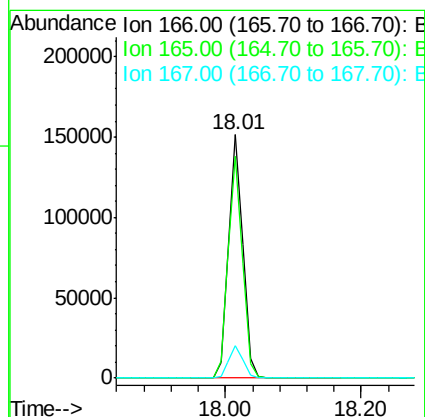
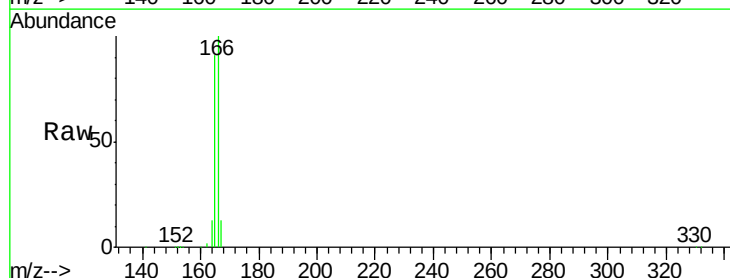
Tgt Ion:166 Resp: 219812

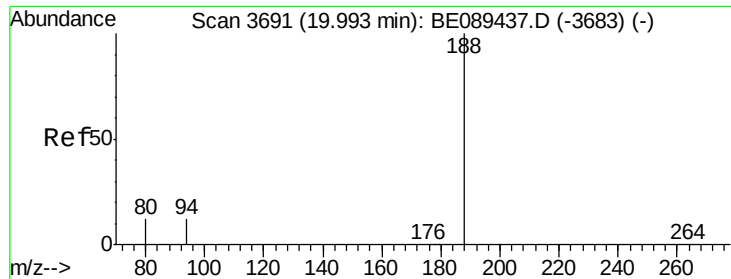
Ion Ratio Lower Upper

166 100

165 91.8 74.4 111.6

167 13.1 10.6 15.8

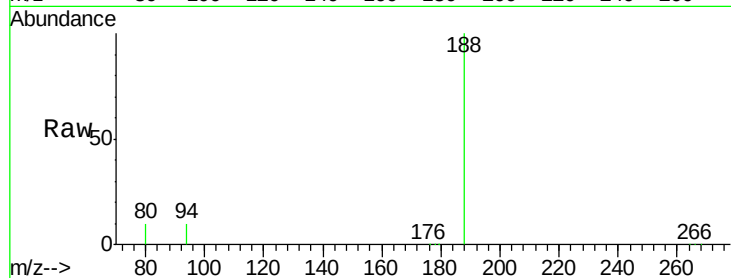




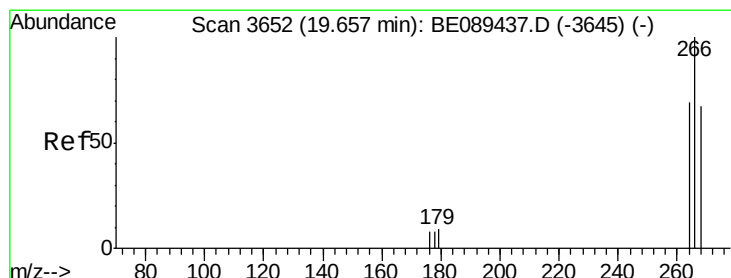
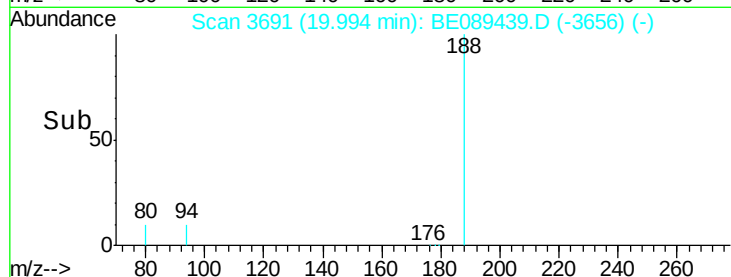
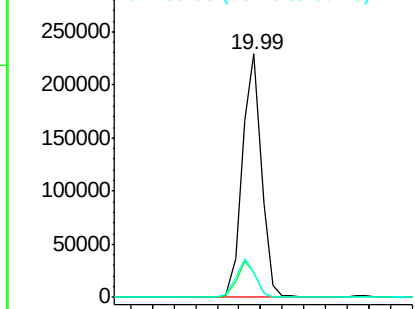
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3691
Delta R.T. 0.00 min
Lab File: BE089439.D
Acq: 30 Jan 2015 9:28

Instrument :
BNA_E
LabSampleId :
SSTDICC005

Tgt Ion:188 Resp: 278799
Ion Ratio Lower Upper
188 100
94 10.4 9.4 14.0
80 10.3 9.3 13.9

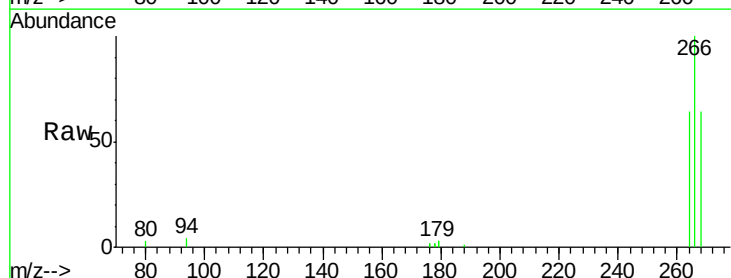


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

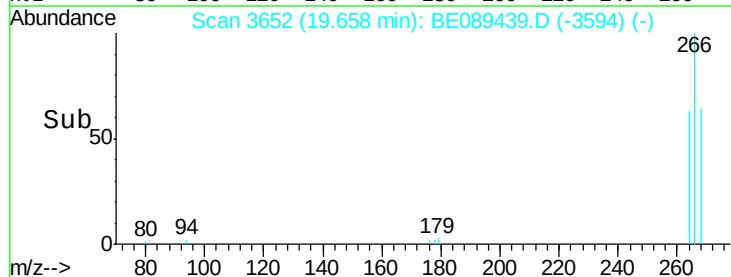
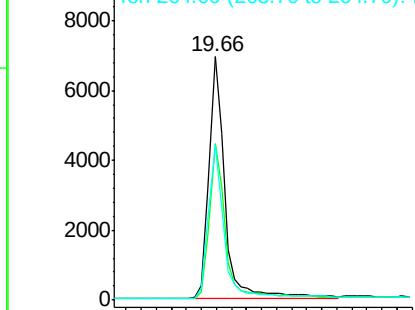


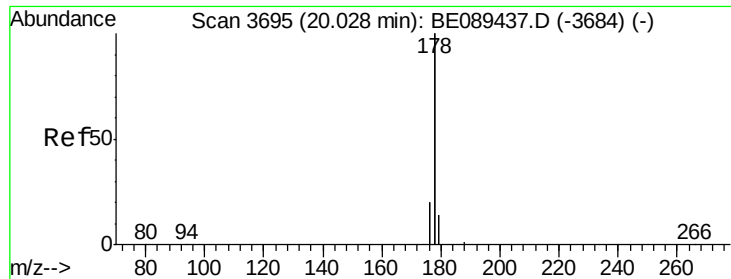
#12
Pentachlorophenol
Concen: 2.94 ng
RT: 19.66 min Scan# 3652
Delta R.T. 0.00 min
Lab File: BE089439.D
Acq: 30 Jan 2015 9:28

Tgt Ion:266 Resp: 9916
Ion Ratio Lower Upper
266 100
268 64.2 54.2 81.4
264 63.6 56.2 84.2



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#13

Phenanthrene

Concen: 5.05 ng

RT: 20.03 min Scan# 3695

Delta R.T. 0.00 min

Lab File: BE089439.D

Acq: 30 Jan 2015 9:28

Instrument :

BNA_E

LabSampleId :

SSTDIC005

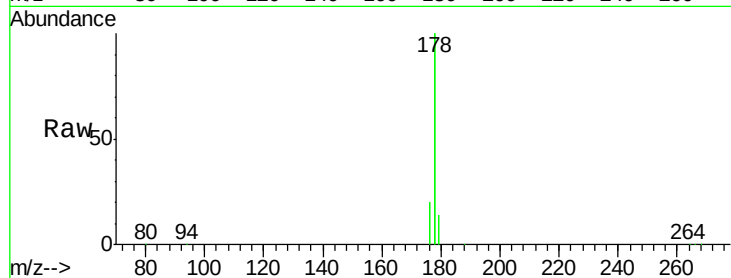
Tgt Ion:178 Resp: 1204154

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

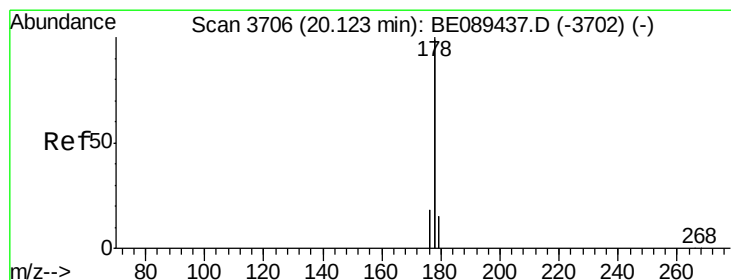
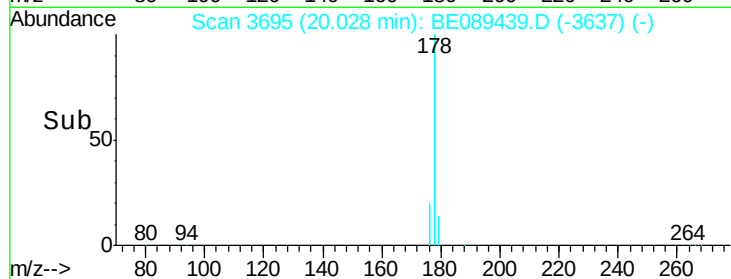
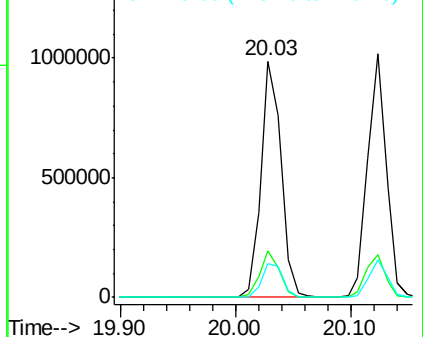
179 15.1 12.3 18.5



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: 5.32 ng

RT: 20.12 min Scan# 3706

Delta R.T. 0.00 min

Lab File: BE089439.D

Acq: 30 Jan 2015 9:28

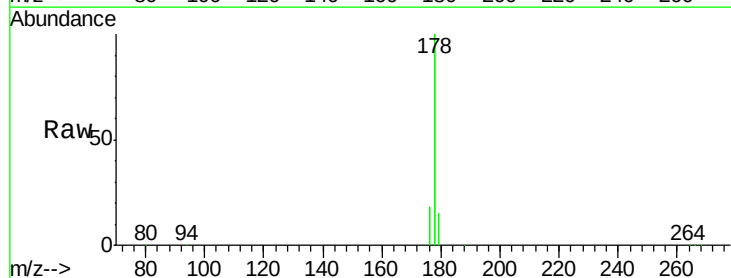
Tgt Ion:178 Resp: 1160392

Ion Ratio Lower Upper

178 100

176 18.1 14.6 22.0

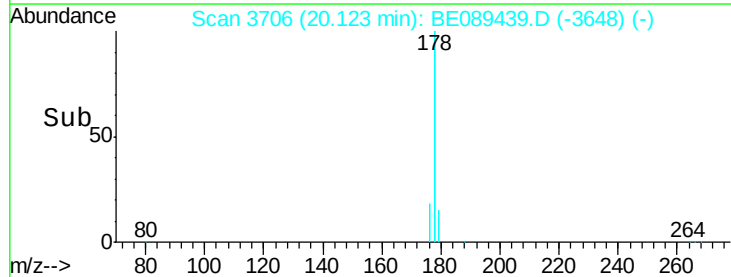
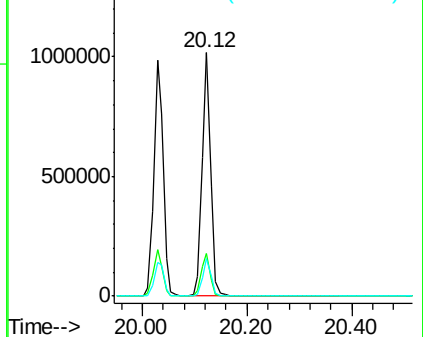
179 15.2 12.2 18.2

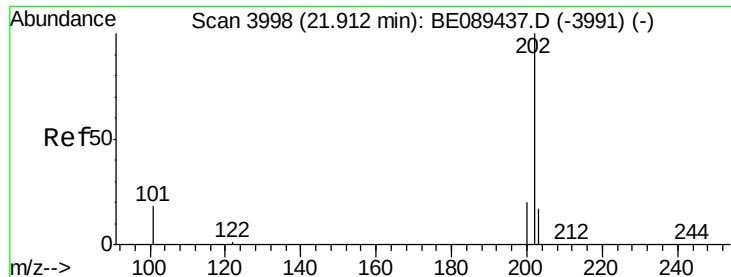


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

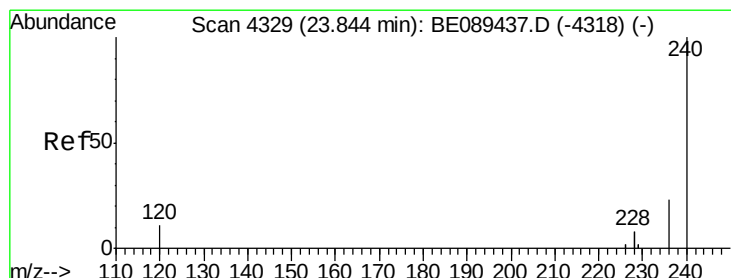
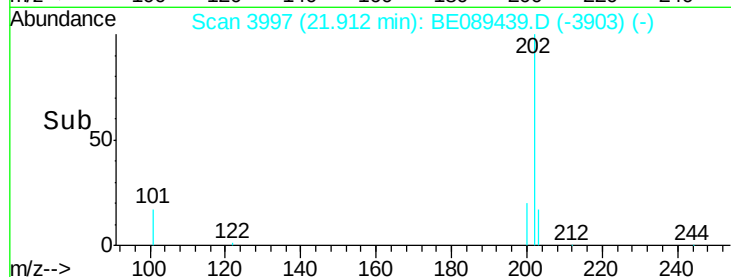
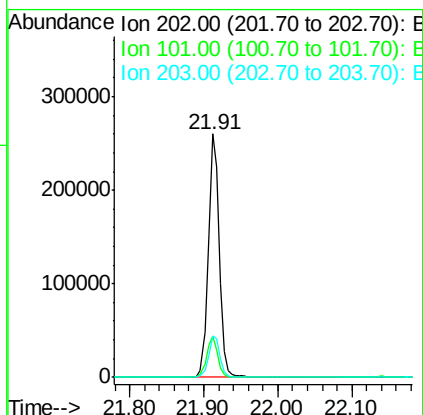
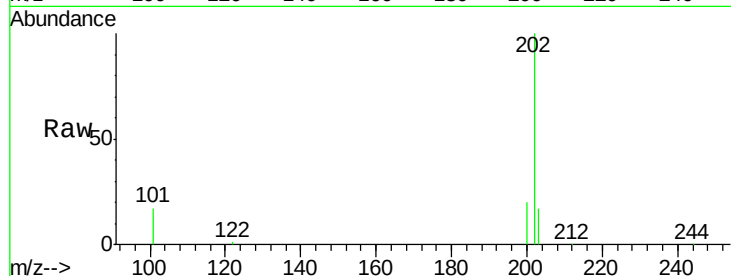




#15
 Fluoranthene
 Concen: 5.68 ng
 RT: 21.91 min Scan# 3997
 Delta R.T. -0.00 min
 Lab File: BE089439.D
 Acq: 30 Jan 2015 9:28

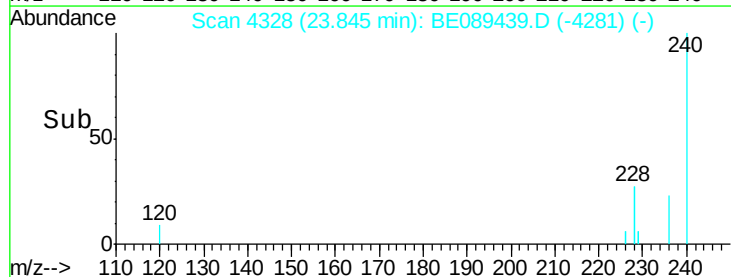
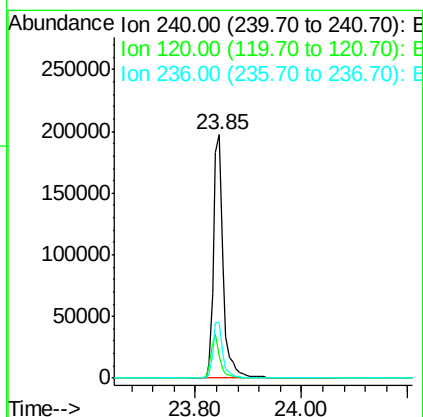
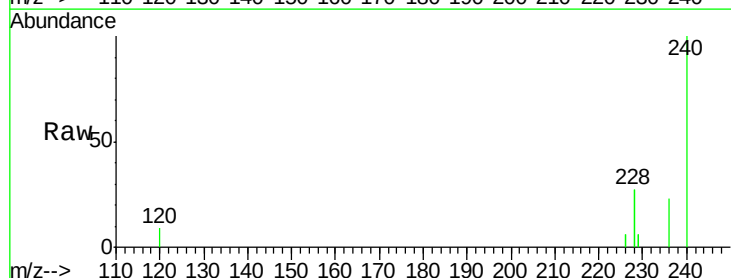
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005

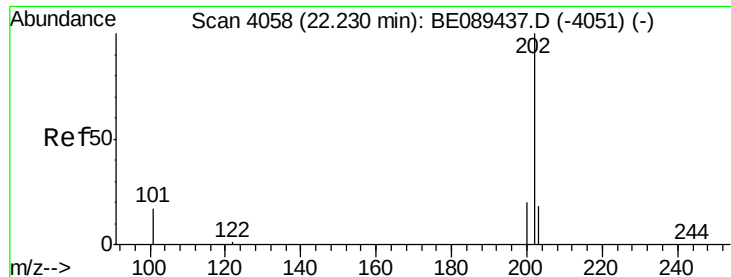
Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.8	13.6	20.4
203	17.2	13.8	20.6



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.85 min Scan# 4328
 Delta R.T. 0.00 min
 Lab File: BE089439.D
 Acq: 30 Jan 2015 9:28

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.9	8.6	13.0
236	22.6	18.7	28.1





#17

Pyrene

Concen: 4.54 ng

RT: 22.23 min Scan# 4057

Delta R.T. -0.00 min

Lab File: BE089439.D

Acq: 30 Jan 2015 9:28

Instrument :

BNA_E

LabSampleId :

SSTDIC005

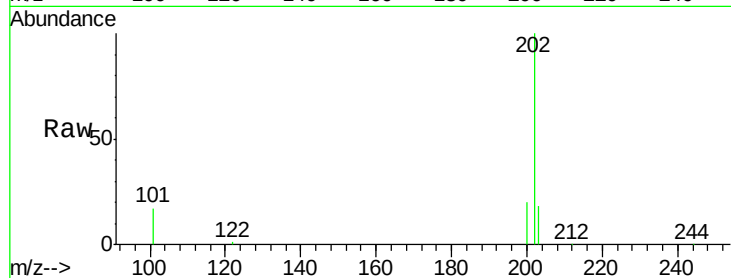
Tgt Ion: 202 Resp: 281263

Ion Ratio Lower Upper

202 100

200 20.6 16.2 24.4

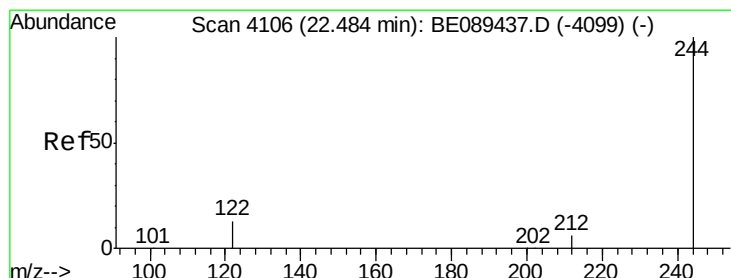
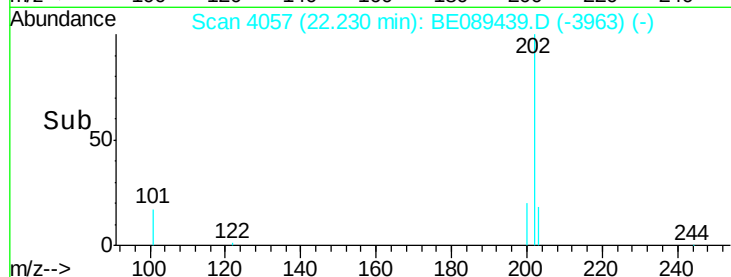
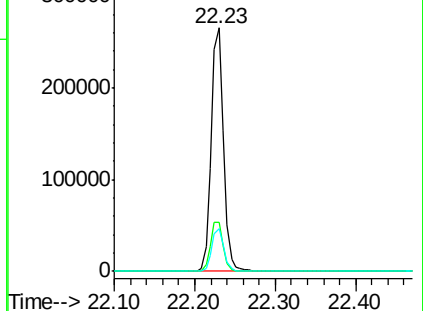
203 17.3 13.8 20.8



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



#18

Terphenyl-d14

Concen: 5.01 ng

RT: 22.48 min Scan# 4105

Delta R.T. -0.00 min

Lab File: BE089439.D

Acq: 30 Jan 2015 9:28

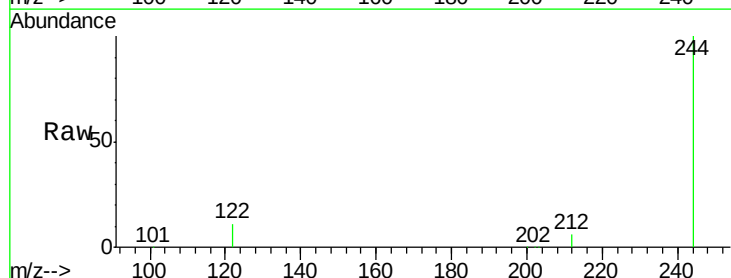
Tgt Ion: 244 Resp: 160619

Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.6

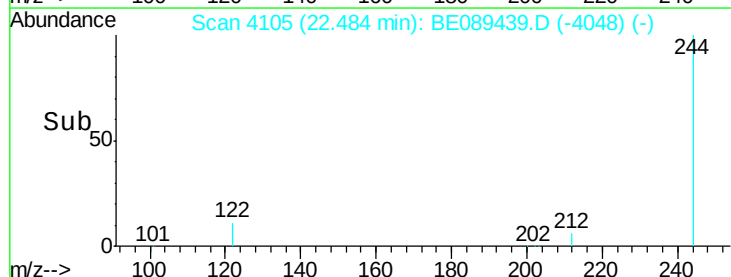
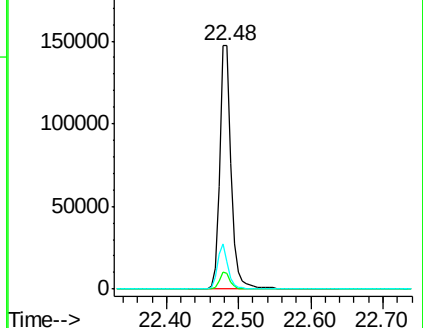
122 11.2 10.2 15.4

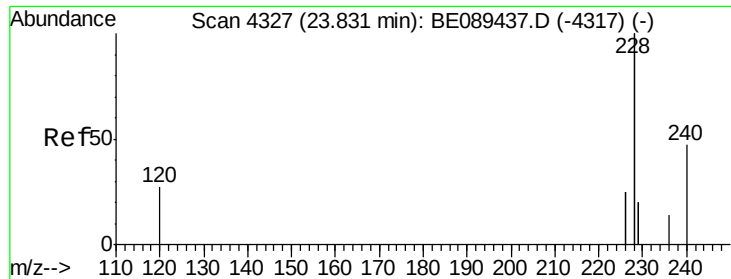


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#19

Benzo(a)anthracene

Concen: 5.69 ng

RT: 23.83 min Scan# 4325

Delta R.T. -0.01 min

Lab File: BE089439.D

Acq: 30 Jan 2015 9:28

Instrument :

BNA_E

LabSampleId :

SSTDICC005

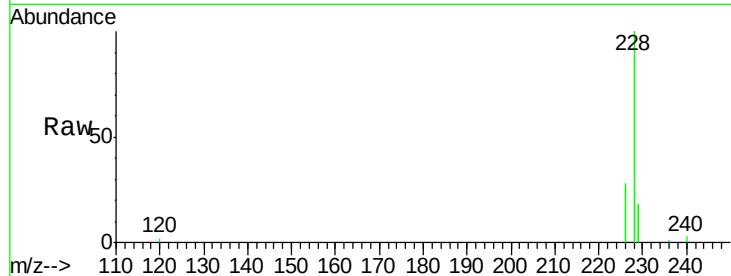
Tgt Ion:228 Resp: 950963

Ion Ratio Lower Upper

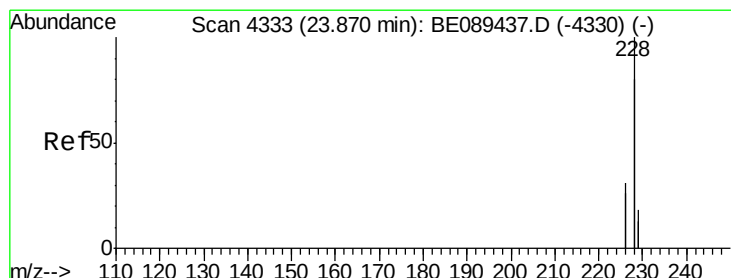
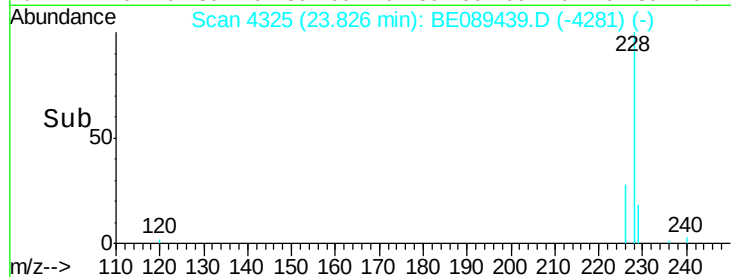
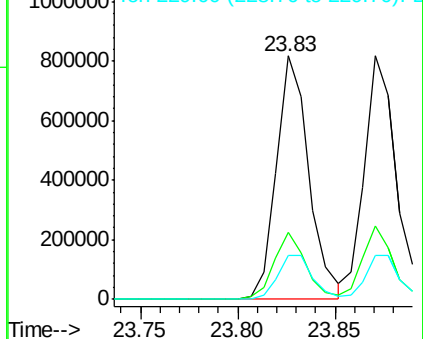
228 100

226 27.5 20.0 30.0

229 18.3 16.0 24.0



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



#20

Chrysene

Concen: 4.81 ng

RT: 23.87 min Scan# 4332

Delta R.T. 0.00 min

Lab File: BE089439.D

Acq: 30 Jan 2015 9:28

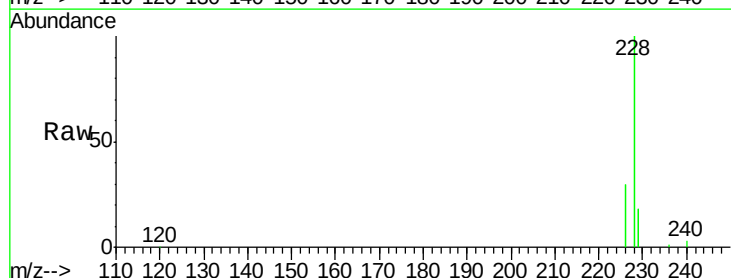
Tgt Ion:228 Resp: 1008144

Ion Ratio Lower Upper

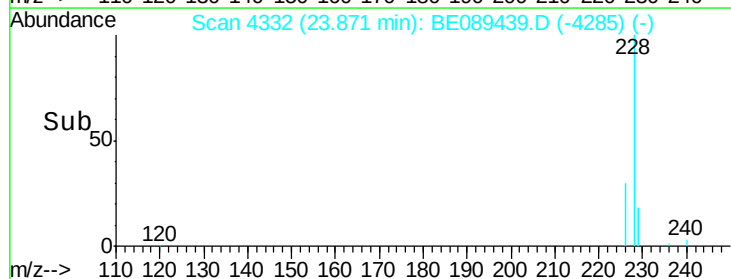
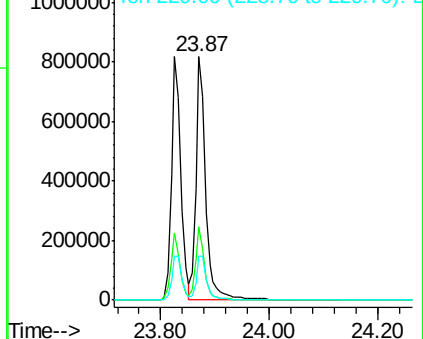
228 100

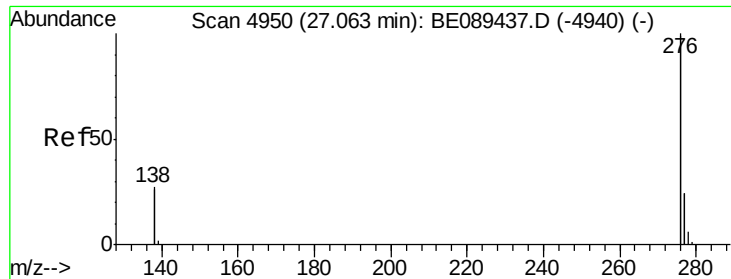
226 30.2 24.5 36.7

229 18.2 14.1 21.1



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: 9.46 ng

RT: 27.06 min Scan# 4949

Delta R.T. -0.00 min

Lab File: BE089439.D

Acq: 30 Jan 2015 9:28

Instrument :

BNA_E

LabSampleId :

SSTDIC005

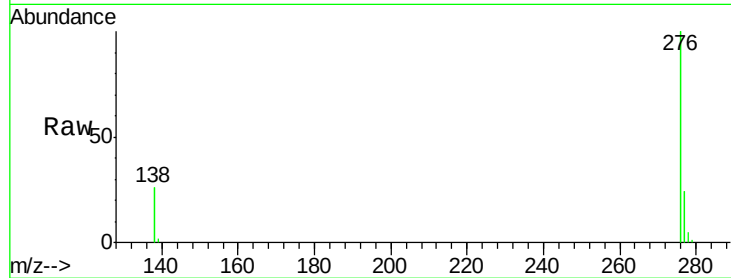
Tgt Ion:276 Resp: 1101712

Ion Ratio Lower Upper

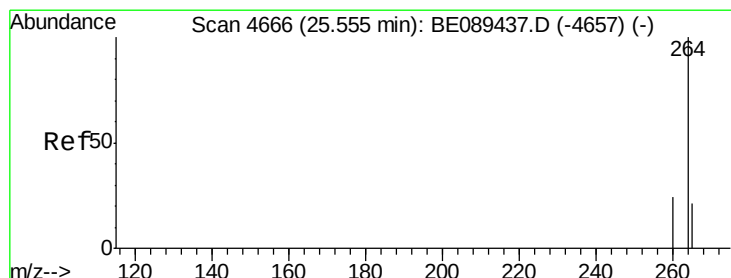
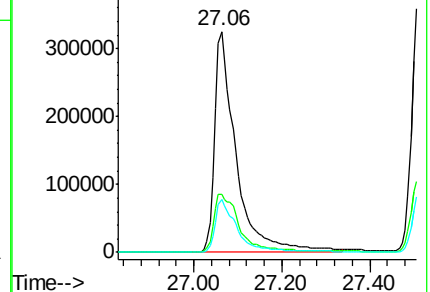
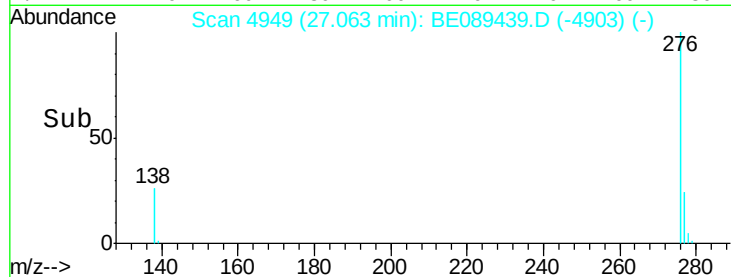
276 100

138 31.8 25.4 38.0

277 24.7 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

Perylene-d12

Concen: 5.00 ng

RT: 25.55 min Scan# 4664

Delta R.T. -0.00 min

Lab File: BE089439.D

Acq: 30 Jan 2015 9:28

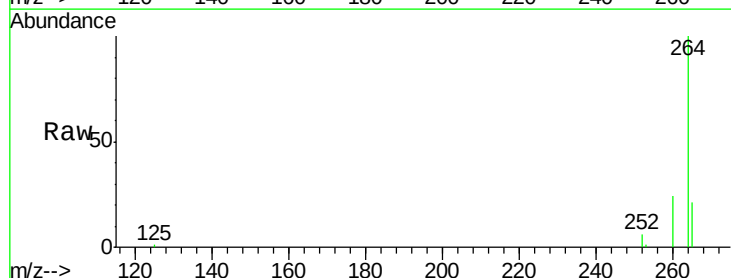
Tgt Ion:264 Resp: 238050

Ion Ratio Lower Upper

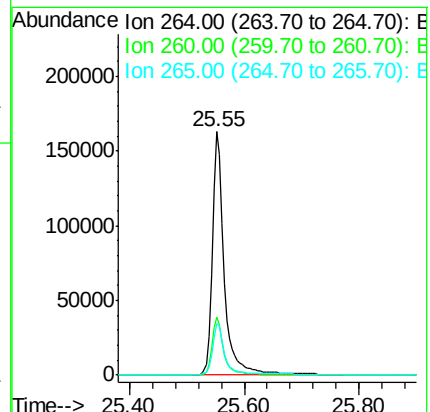
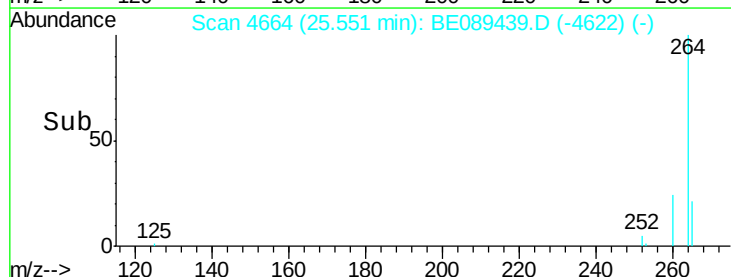
264 100

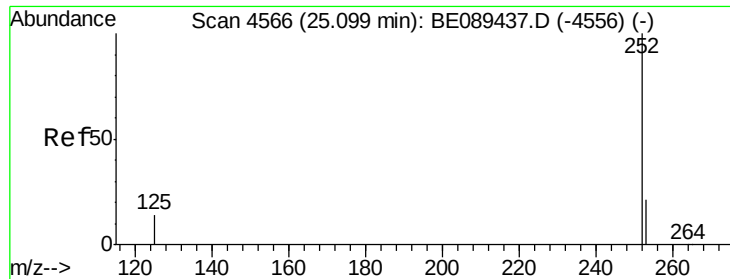
260 24.0 19.4 29.0

265 21.3 17.0 25.6



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: 7.11 ng

RT: 25.10 min Scan# 4565

Delta R.T. 0.00 min

Lab File: BE089439.D

Acq: 30 Jan 2015 9:28

Instrument :

BNA_E

LabSampleId :

SSTDIC005

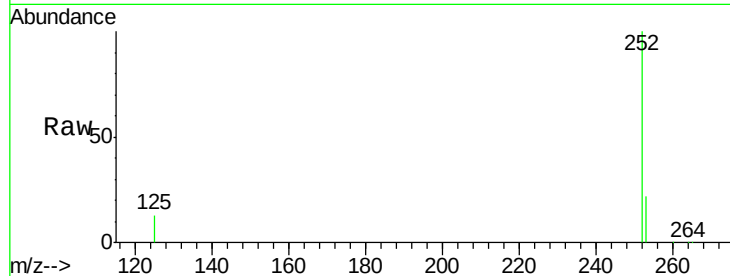
Tgt Ion:252 Resp: 197911

Ion Ratio Lower Upper

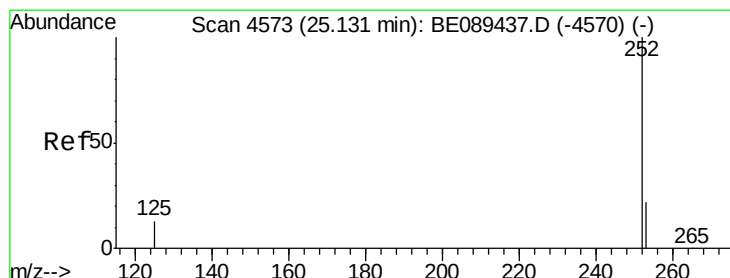
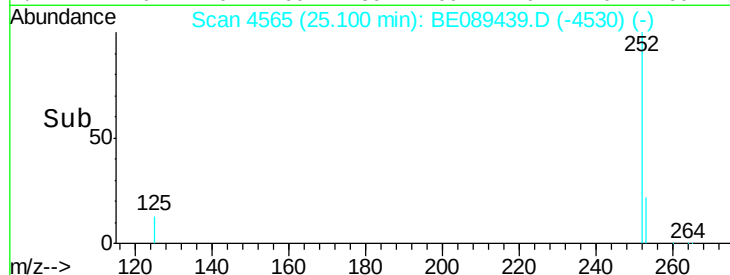
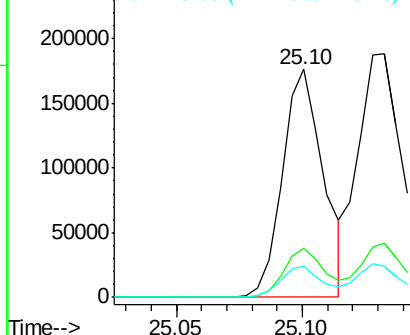
252 100

253 21.8 17.0 25.6

125 13.4 11.4 17.0



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: 6.01 ng

RT: 25.13 min Scan# 4572

Delta R.T. 0.00 min

Lab File: BE089439.D

Acq: 30 Jan 2015 9:28

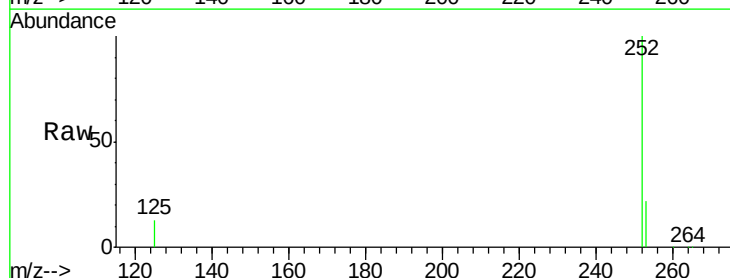
Tgt Ion:252 Resp: 289939

Ion Ratio Lower Upper

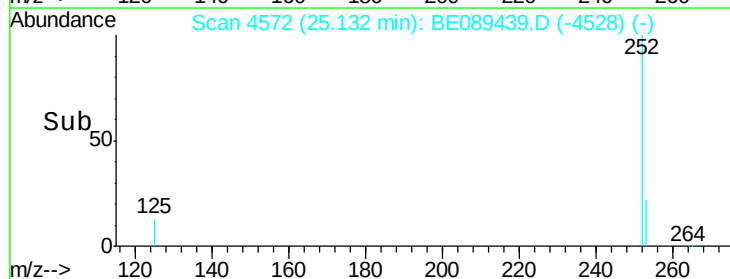
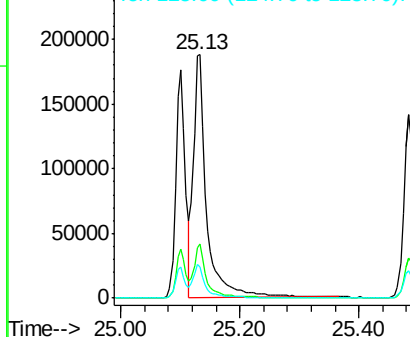
252 100

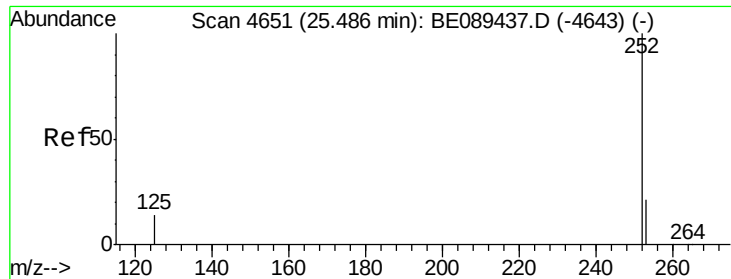
253 22.2 17.4 26.2

125 12.9 10.9 16.3



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: 7.23 ng

RT: 25.48 min Scan# 4649

Delta R.T. -0.00 min

Lab File: BE089439.D

Acq: 30 Jan 2015 9:28

Instrument :

BNA_E

LabSampleId :

SSTDIC005

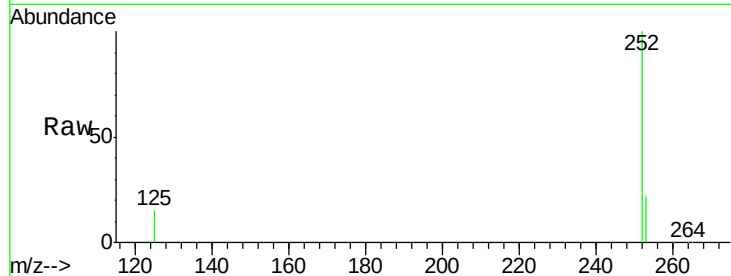
Tgt Ion: 252 Resp: 204427

Ion Ratio Lower Upper

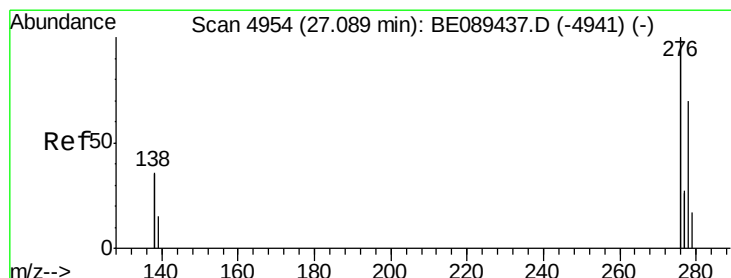
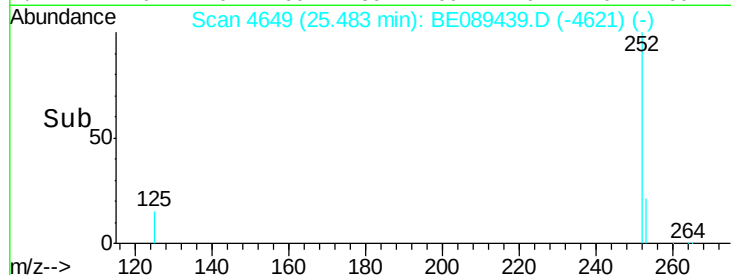
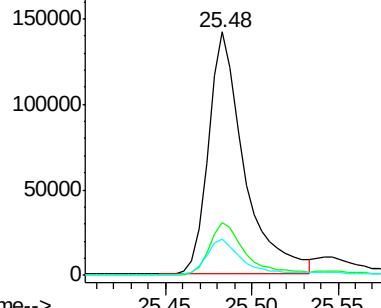
252 100

253 21.5 17.3 25.9

125 14.7 12.0 18.0



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: 9.82 ng

RT: 27.10 min Scan# 4954

Delta R.T. 0.01 min

Lab File: BE089439.D

Acq: 30 Jan 2015 9:28

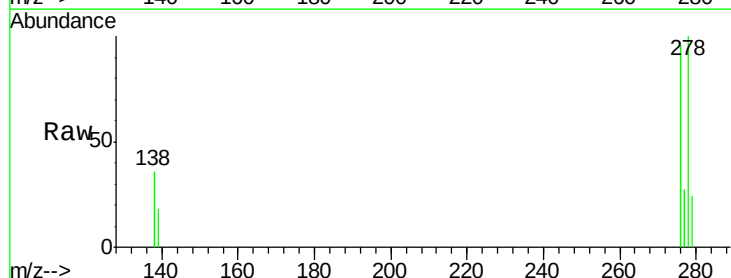
Tgt Ion: 278 Resp: 230960

Ion Ratio Lower Upper

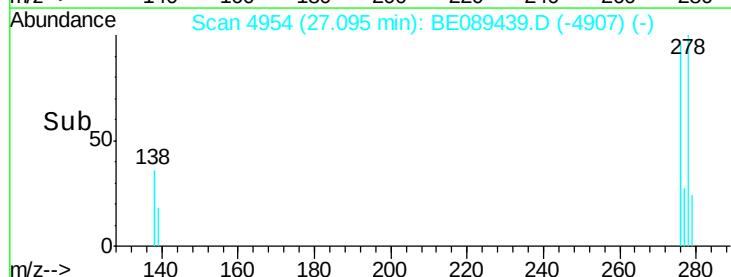
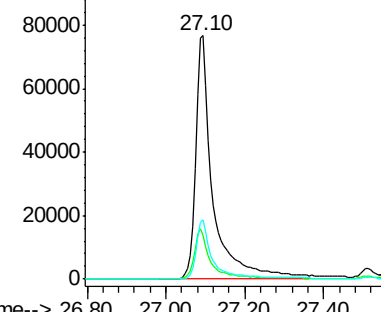
278 100

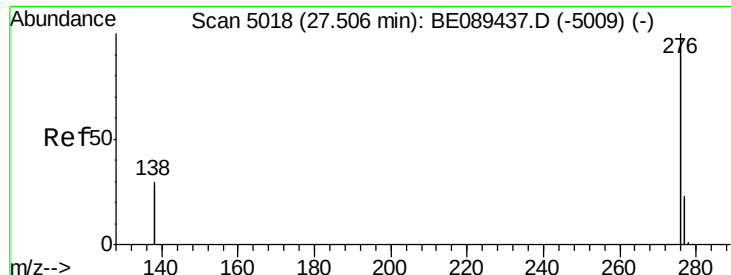
139 18.2 17.0 25.4

279 24.2 19.1 28.7



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: 6.82 ng

RT: 27.51 min Scan# 5018

Delta R.T. 0.01 min

Lab File: BE089439.D

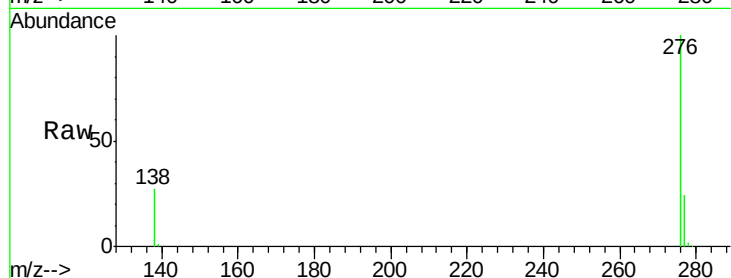
Acq: 30 Jan 2015 9:28

Instrument :

BNA_E

LabSampleId :

SSTDIC005



Tgt Ion: 276 Resp: 939827

Ion Ratio Lower Upper

276 100

277 24.0 18.4 27.6

138 26.6 23.7 35.5

