

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013015\
 Data File : BE089436.D
 Acq On : 30 Jan 2015 7:29
 Operator : TP/IZ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Quant Time: Jan 31 04:44:19 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	88815	5.00	ng	0.00
2) Naphthalene-d8	12.50	136	368331	5.00	ng	0.00
6) Acenaphthene-d10	16.69	164	159330	5.00	ng	-0.01
11) Phenanthrene-d10	19.99	188	267665	5.00	ng	0.00
16) Chrysene-d12	23.84	240	226336	5.00	ng	0.00
22) Perylene-d12	25.55	264	221205	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) Nitrobenzene-d5	10.85	82	17840	0.94	ng	0.00
7) 2-Fluorobiphenyl	15.13	172	34515	0.95	ng	0.00
18) Terphenyl-d14	22.48	244	26472	0.90	ng	0.00

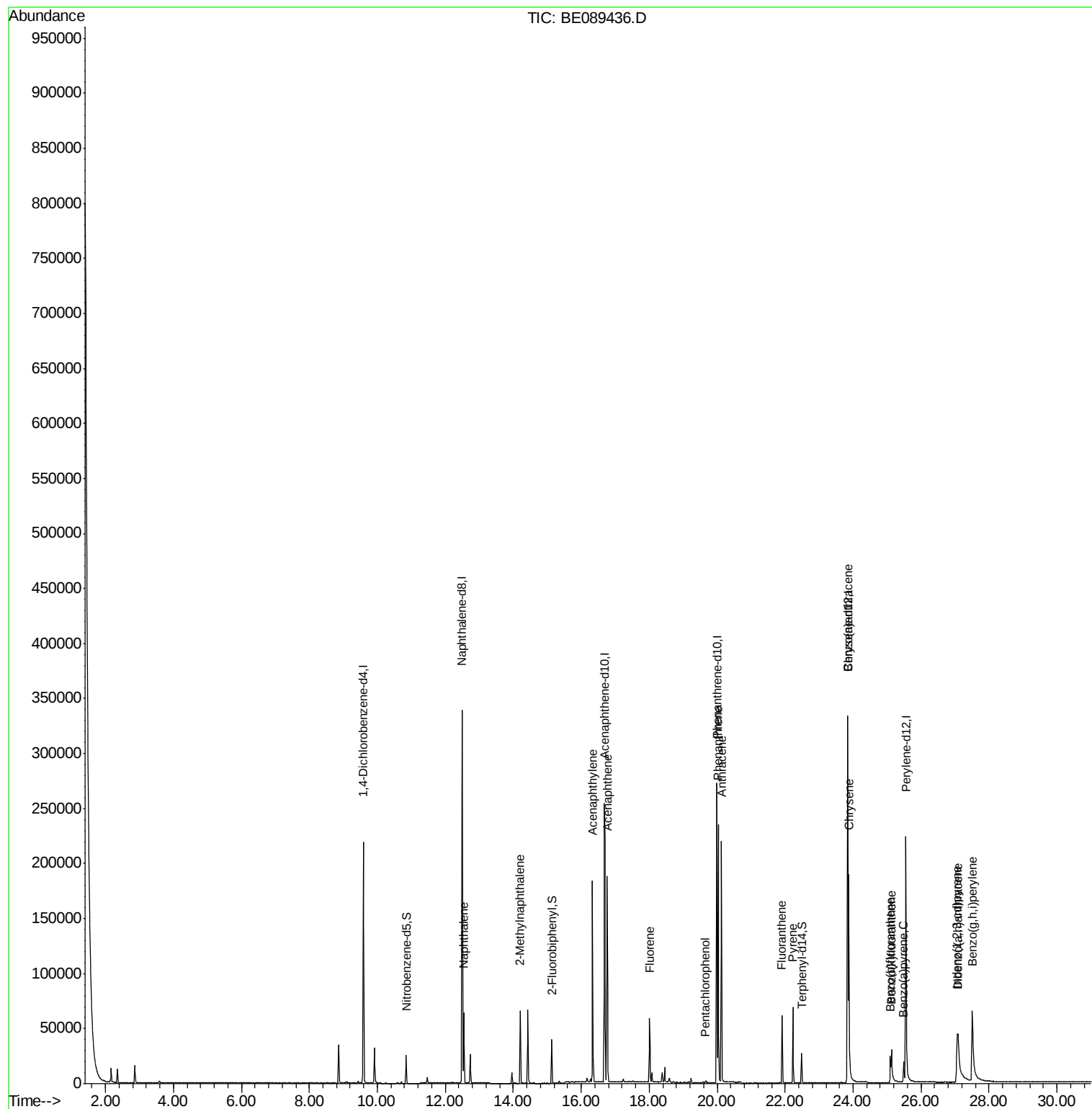
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Naphthalene	12.54	128	68921	0.98	ng	100
5) 2-Methylnaphthalene	14.21	142	40778	0.93	ng	99
8) Acenaphthylene	16.33	152	227631	1.01	ng	100
9) Acenaphthene	16.76	154	34072	0.96	ng	97
10) Fluorene	18.01	166	37415	1.01	ng	98
12) Pentachlorophenol	19.66	266	767	0.24	ng	96
13) Phenanthrene	20.03	178	211432	0.92	ng	100
14) Anthracene	20.12	178	190117	0.91	ng	100
15) Fluoranthene	21.91	202	45007	0.99	ng	99
17) Pyrene	22.23	202	46702	0.82	ng	99
19) Benzo(a)anthracene	23.83	228	147282	0.96	ng	98
20) Chrysene	23.87	228	175113	0.91	ng	98
21) Indeno(1,2,3-cd)pyrene	27.06	276	150332	1.41	ng	99
23) Benzo(b)fluoranthene	25.10	252	22011	0.85	ng	99
24) Benzo(k)fluoranthene	25.13	252	49757	1.11	ng	98
25) Benzo(a)pyrene	25.49	252	27015	1.03	ng	97
26) Dibenzo(a,h)anthracene	27.09	278	30095	1.38	ng	99
27) Benzo(g,h,i)perylene	27.51	276	144571	1.13	ng	98

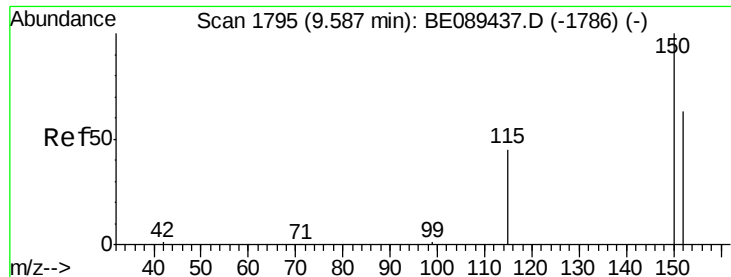
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089436.D

Acq: 30 Jan 2015 7:29

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

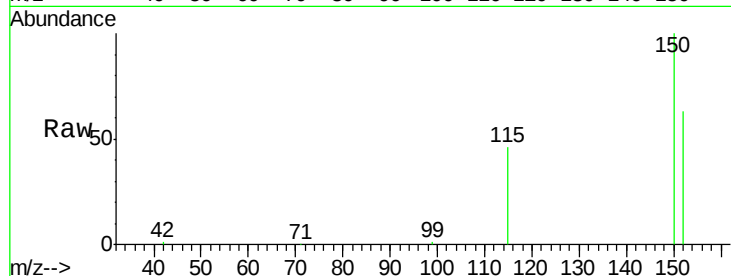
Tgt Ion:152 Resp: 88815

Ion Ratio Lower Upper

152 100

150 159.1 127.2 190.8

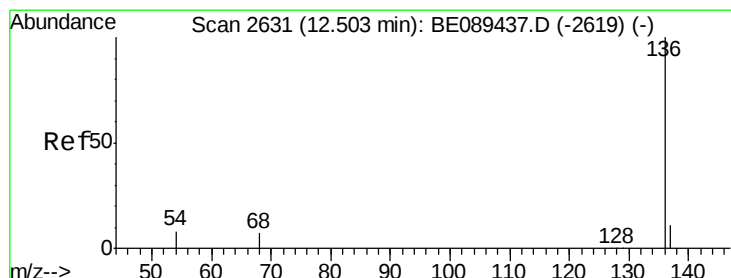
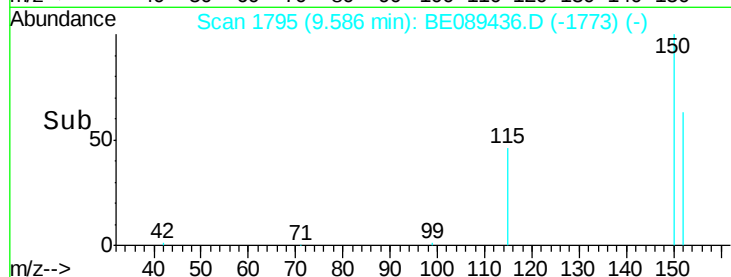
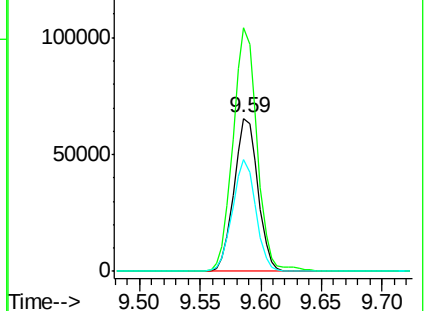
115 73.2 57.5 86.3



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: BE089436.D

Acq: 30 Jan 2015 7:29

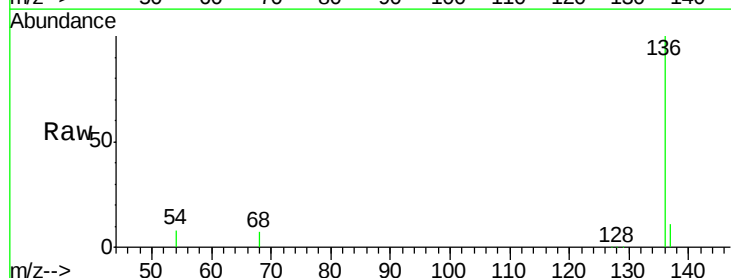
Tgt Ion:136 Resp: 368331

Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

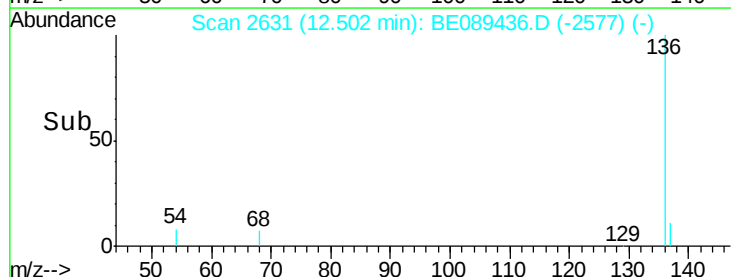
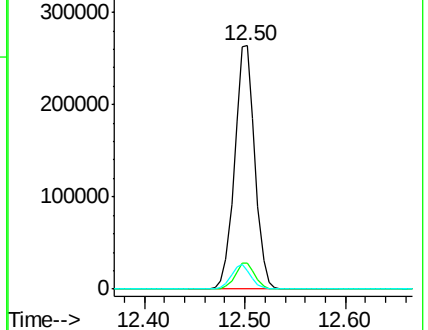
54 7.8 6.6 10.0



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: 0.94 ng

RT: 10.85 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BE089436.D

Acq: 30 Jan 2015 7:29

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

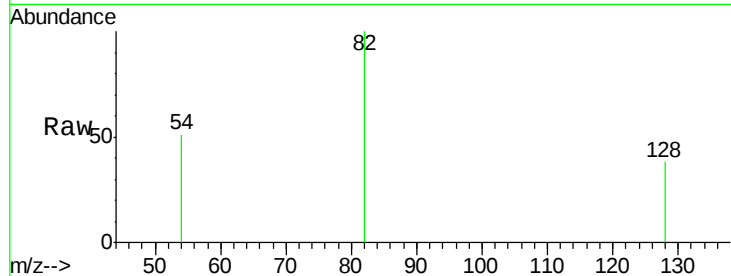
Tgt Ion: 82 Resp: 17840

Ion Ratio Lower Upper

82 100

128 37.8 31.2 46.8

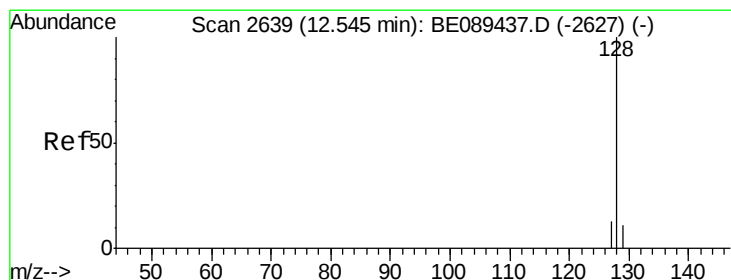
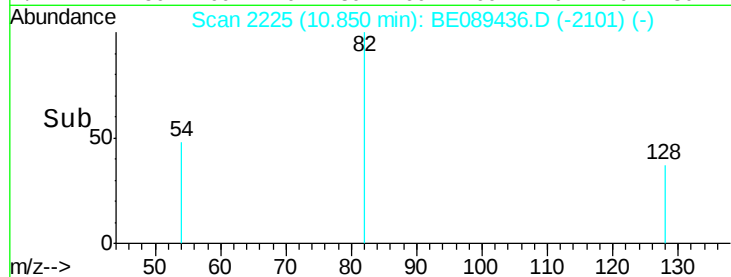
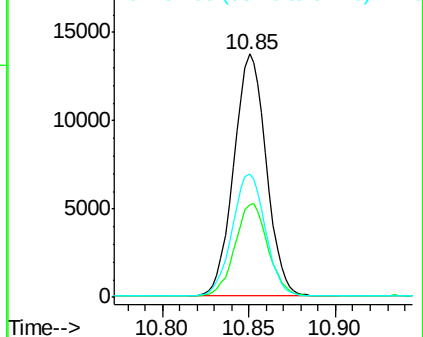
54 50.5 41.9 62.9



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: 0.98 ng

RT: 12.54 min Scan# 2639

Delta R.T. -0.00 min

Lab File: BE089436.D

Acq: 30 Jan 2015 7:29

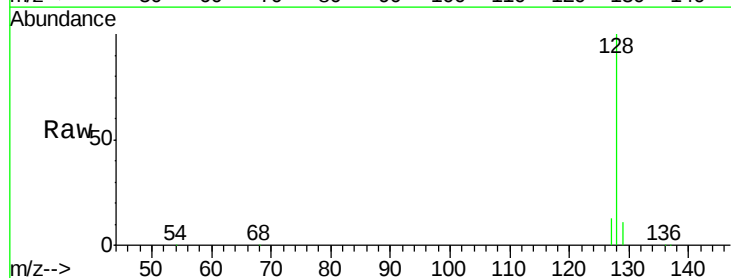
Tgt Ion: 128 Resp: 68921

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

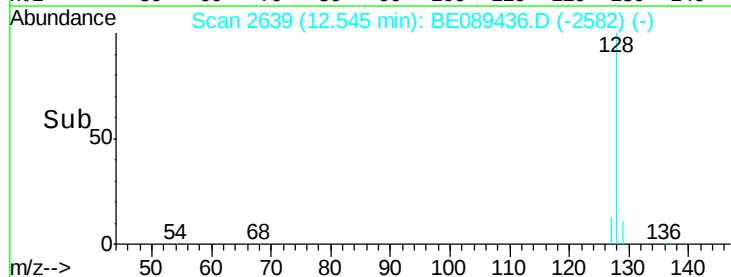
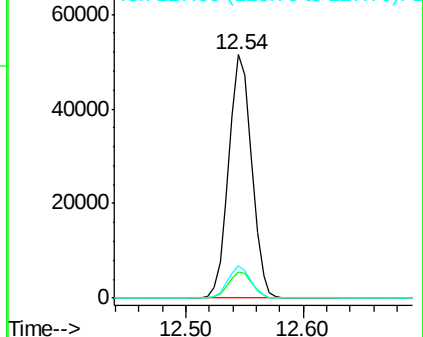
127 13.1 10.6 16.0



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: 0.93 ng

RT: 14.21 min Scan# 2977

Delta R.T. -0.00 min

Lab File: BE089436.D

Acq: 30 Jan 2015 7:29

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

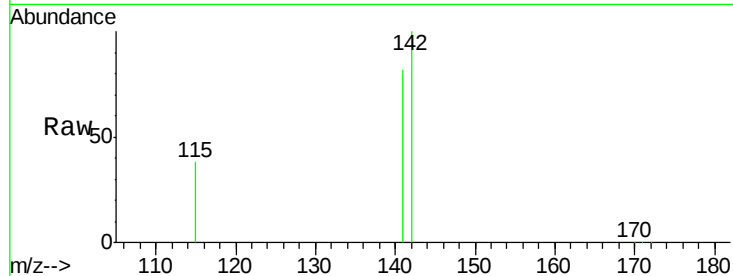
Tgt Ion:142 Resp: 40778

Ion Ratio Lower Upper

142 100

141 82.0 66.1 99.1

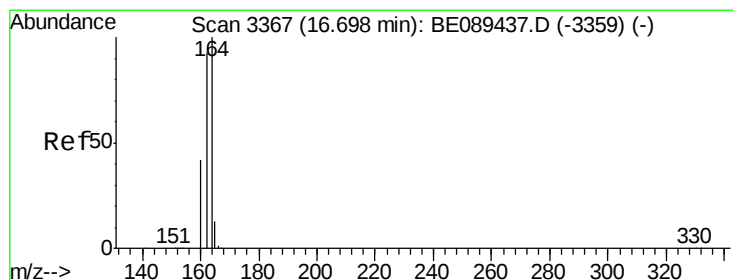
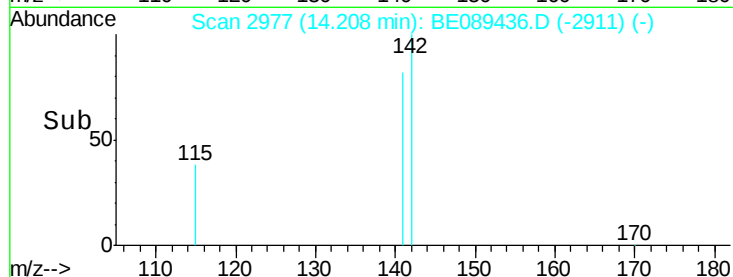
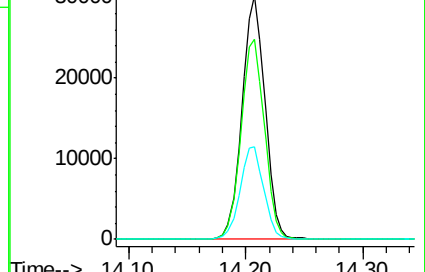
115 37.8 29.9 44.9



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: BE089436.D

Acq: 30 Jan 2015 7:29

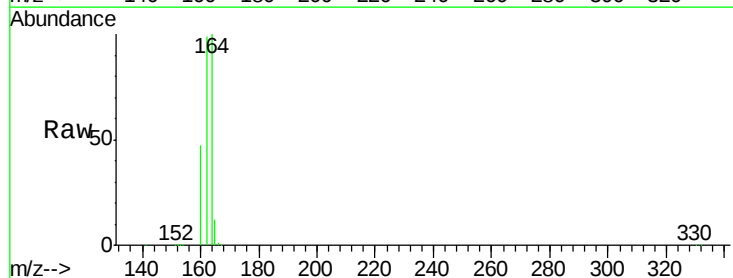
Tgt Ion:164 Resp: 159330

Ion Ratio Lower Upper

164 100

162 99.0 74.7 112.1

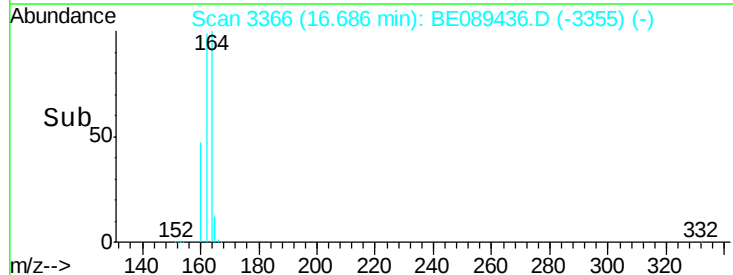
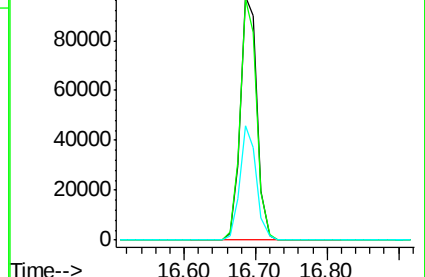
160 46.9 33.4 50.0



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: 0.95 ng

RT: 15.13 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BE089436.D

Acq: 30 Jan 2015 7:29

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

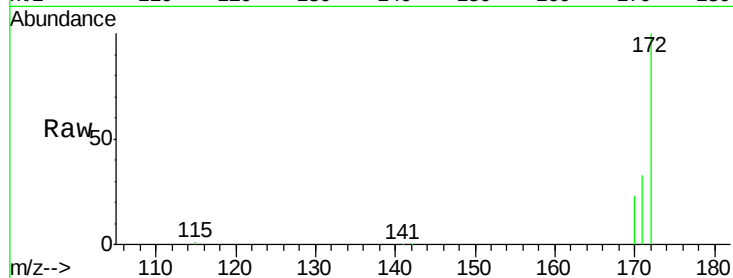
Tgt Ion:172 Resp: 34515

Ion Ratio Lower Upper

172 100

171 33.2 26.2 39.4

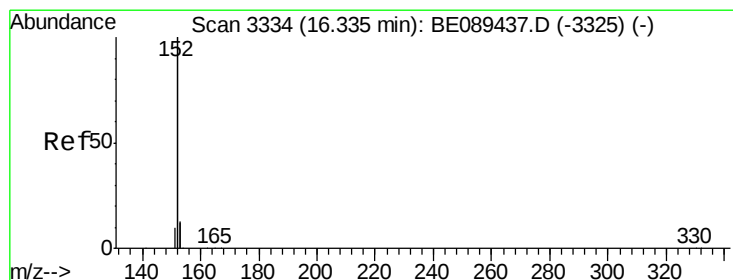
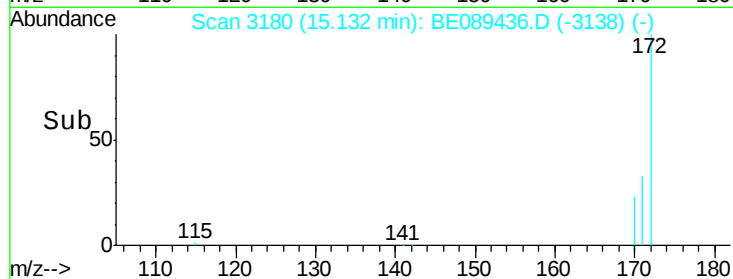
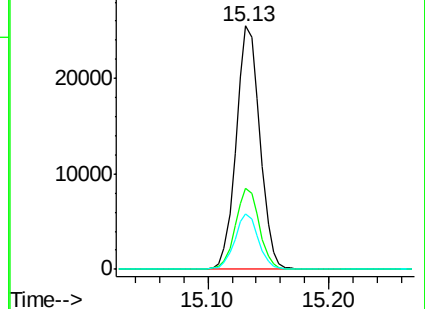
170 22.9 16.5 24.7



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: 1.01 ng

RT: 16.33 min Scan# 3334

Delta R.T. -0.00 min

Lab File: BE089436.D

Acq: 30 Jan 2015 7:29

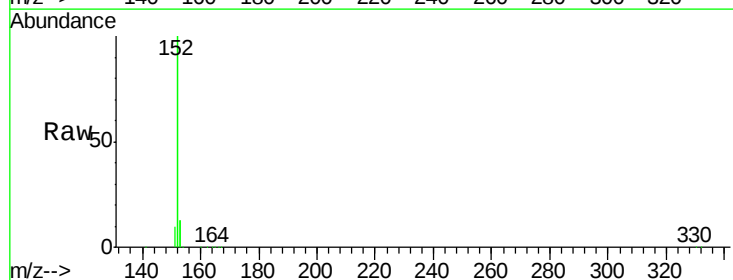
Tgt Ion:152 Resp: 227631

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

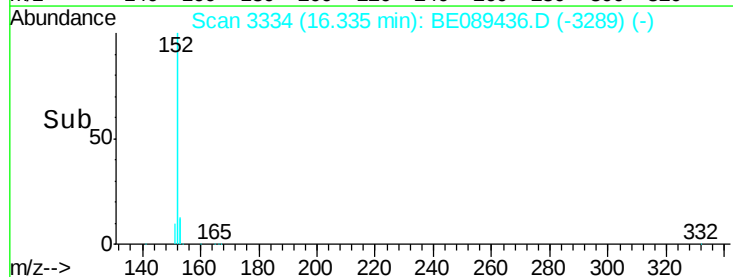
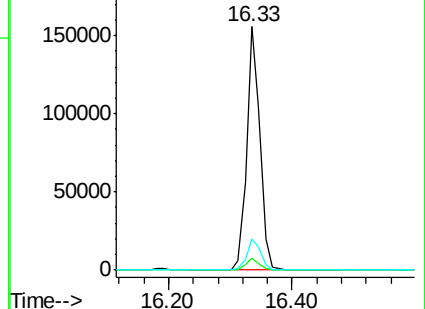
153 13.0 10.3 15.5



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: 0.96 ng

RT: 16.76 min Scan# 3373

Delta R.T. -0.00 min

Lab File: BE089436.D

Acq: 30 Jan 2015 7:29

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

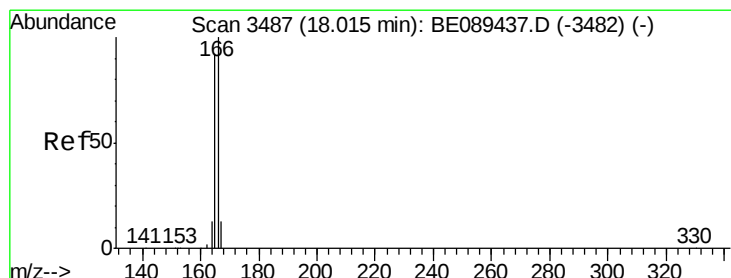
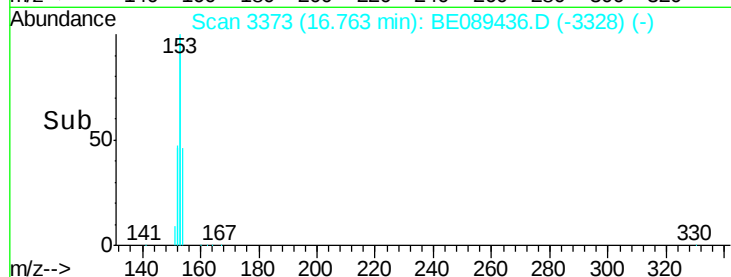
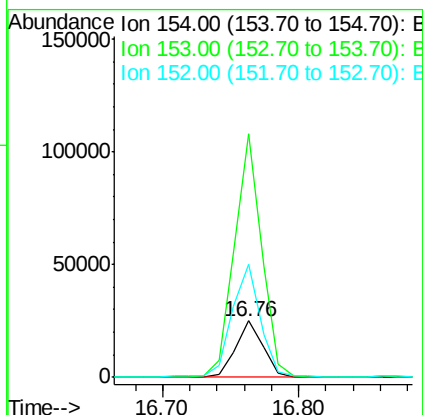
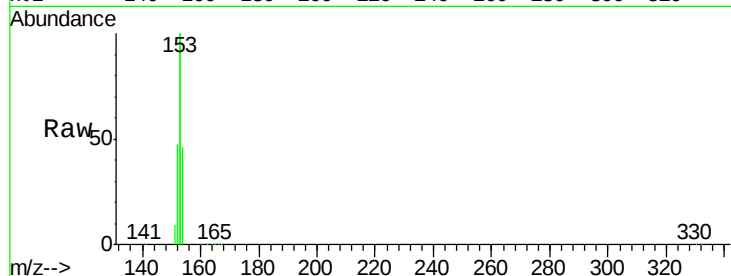
Tgt Ion:154 Resp: 34072

Ion Ratio Lower Upper

154 100

153 436.7 342.3 513.5

152 210.1 165.5 248.3



#10

Fluorene

Concen: 1.01 ng

RT: 18.01 min Scan# 3487

Delta R.T. -0.00 min

Lab File: BE089436.D

Acq: 30 Jan 2015 7:29

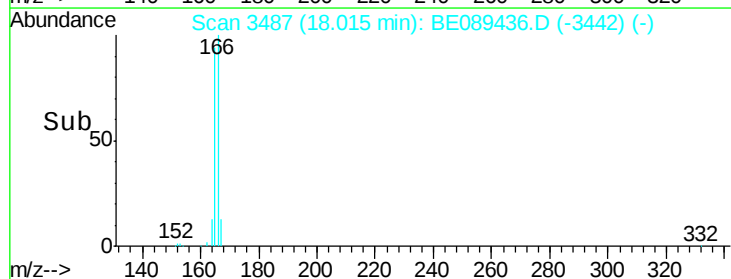
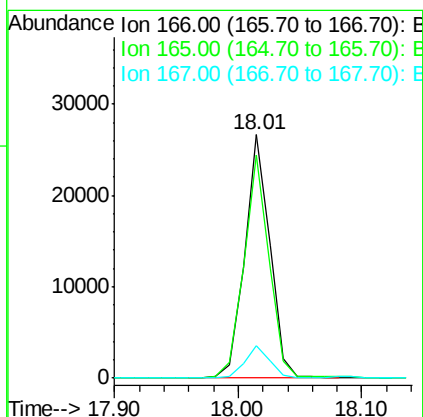
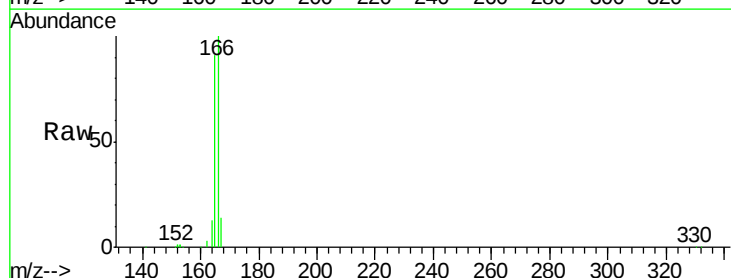
Tgt Ion:166 Resp: 37415

Ion Ratio Lower Upper

166 100

165 91.4 74.4 111.6

167 13.1 10.6 15.8

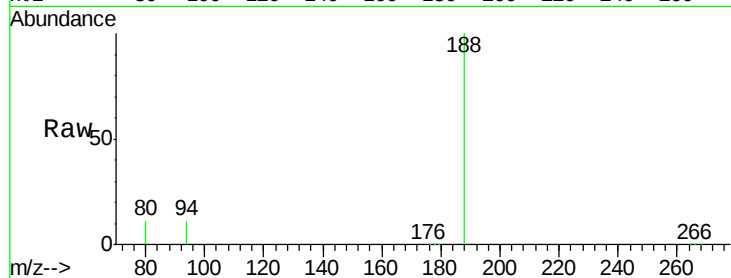




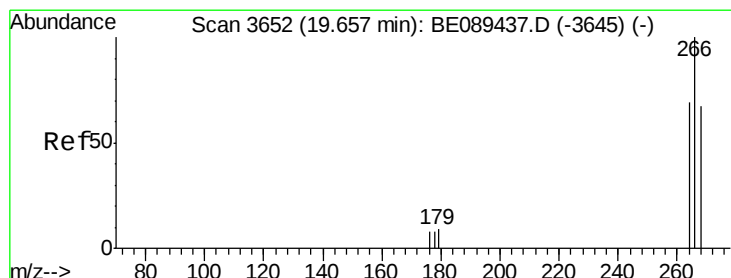
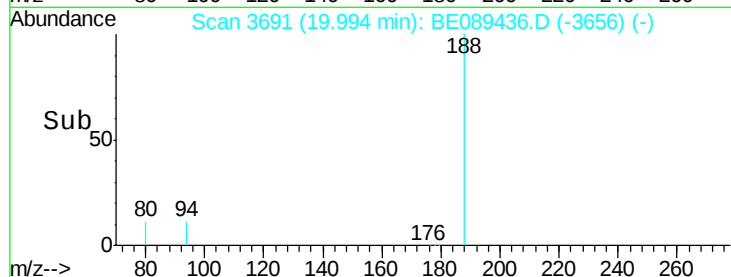
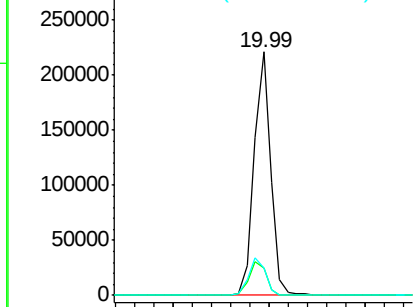
#11
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 19.99 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: BE089436.D
 Acq: 30 Jan 2015 7:29

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	9.4	14.0
80	11.2	9.3	13.9

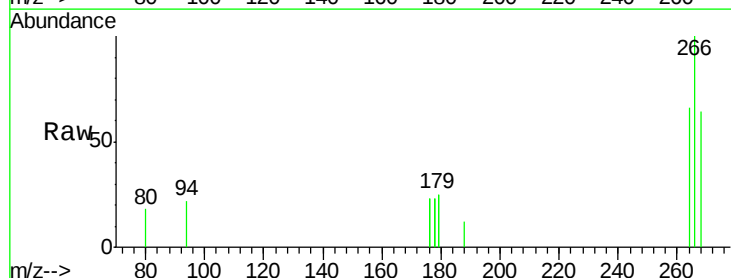


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BE0
 Ion 80.00 (79.70 to 80.70): BE0

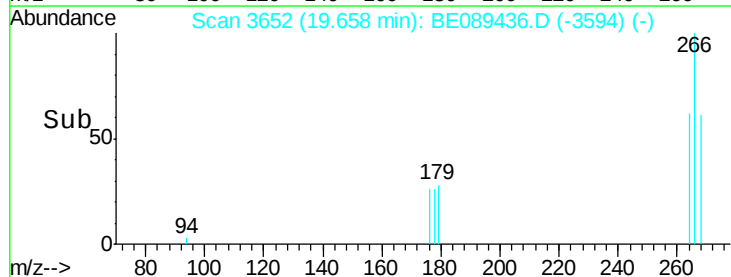
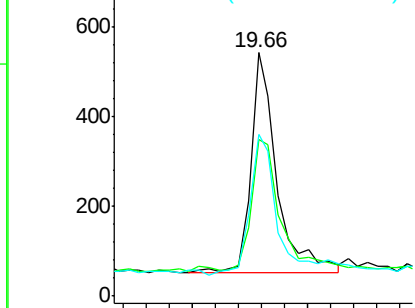


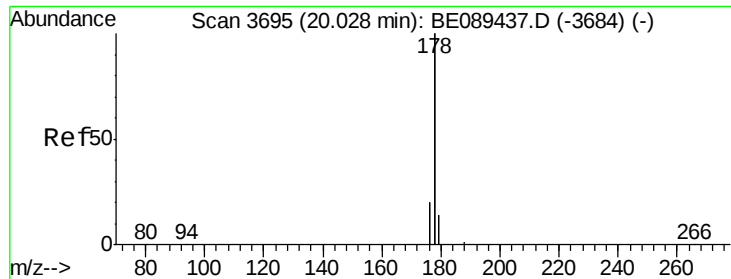
#12
 Pentachlorophenol
 Concen: 0.24 ng
 RT: 19.66 min Scan# 3652
 Delta R.T. 0.00 min
 Lab File: BE089436.D
 Acq: 30 Jan 2015 7:29

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.5	54.2	81.4
264	66.3	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: 0.92 ng

RT: 20.03 min Scan# 3695

Delta R.T. 0.00 min

Lab File: BE089436.D

Acq: 30 Jan 2015 7:29

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

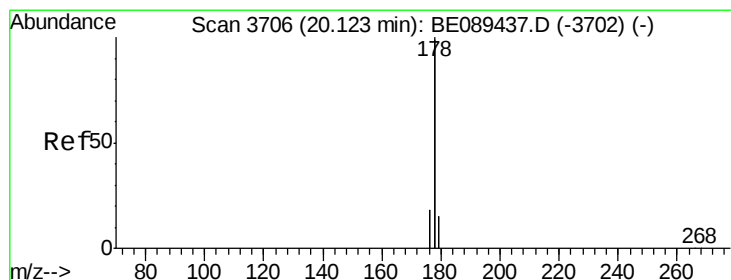
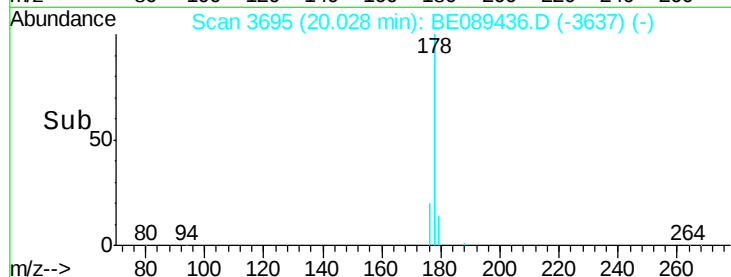
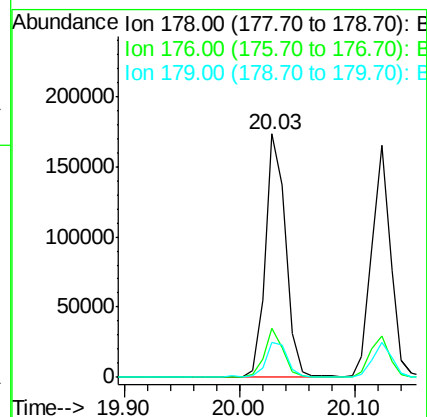
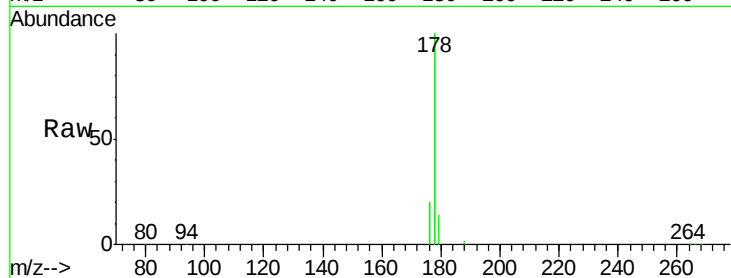
Tgt Ion:178 Resp: 211432

Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

179 15.3 12.3 18.5



#14

Anthracene

Concen: 0.91 ng

RT: 20.12 min Scan# 3706

Delta R.T. 0.00 min

Lab File: BE089436.D

Acq: 30 Jan 2015 7:29

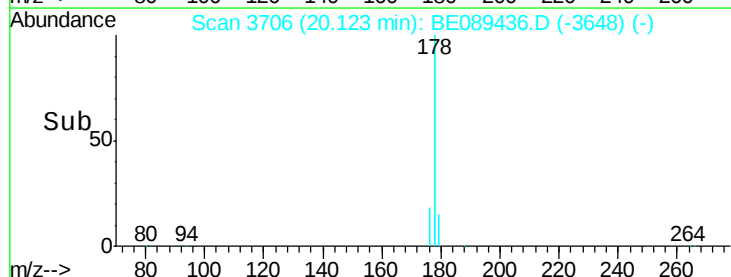
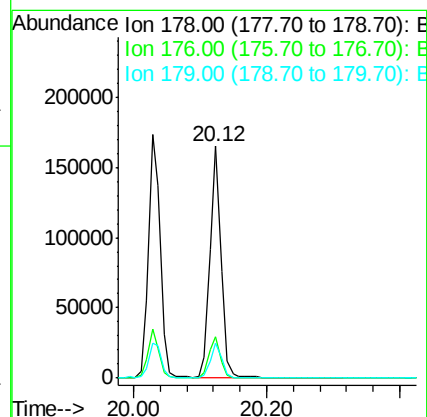
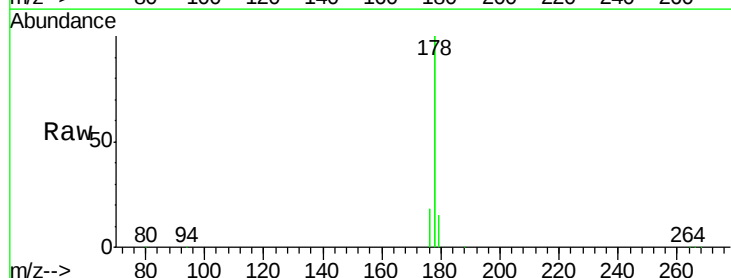
Tgt Ion:178 Resp: 190117

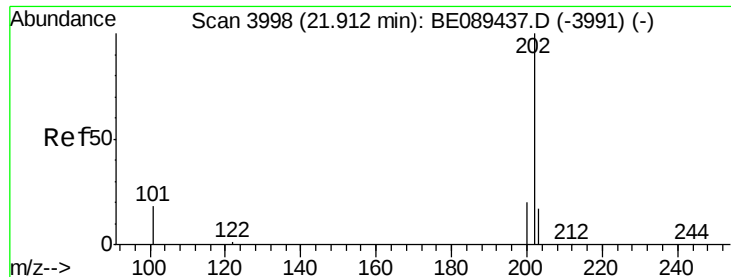
Ion Ratio Lower Upper

178 100

176 18.1 14.6 22.0

179 15.2 12.2 18.2

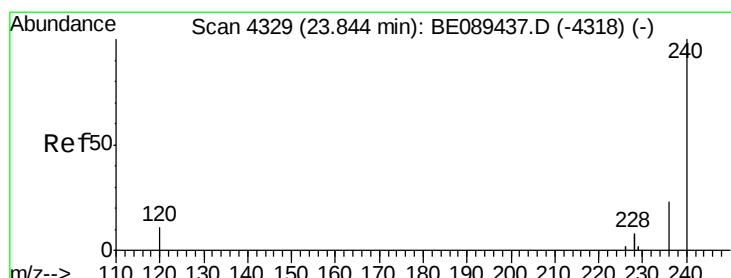
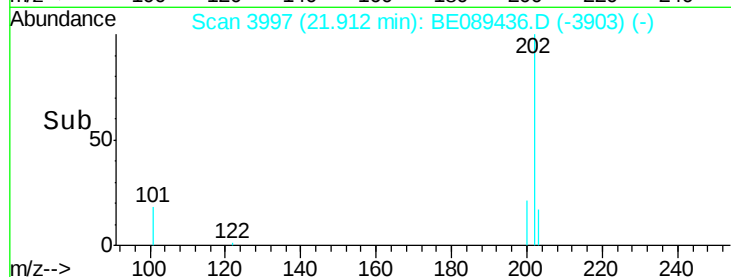
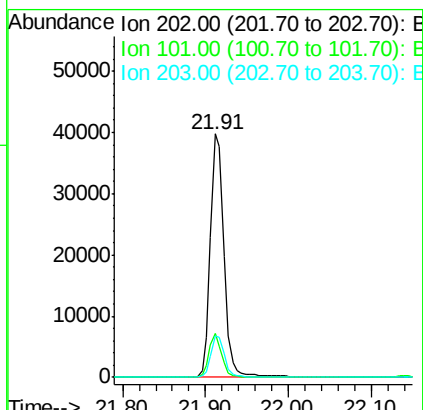
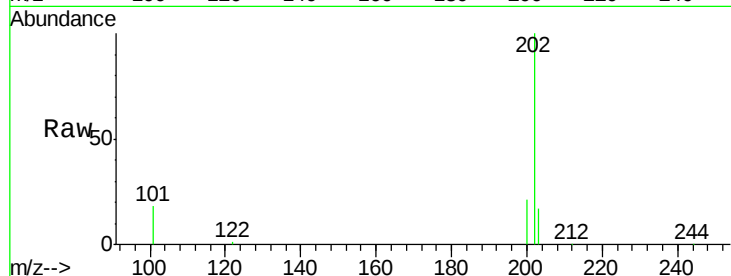




#15
Fluoranthene
Concen: 0.99 ng
RT: 21.91 min Scan# 3997
Delta R.T. -0.00 min
Lab File: BE089436.D
Acq: 30 Jan 2015 7:29

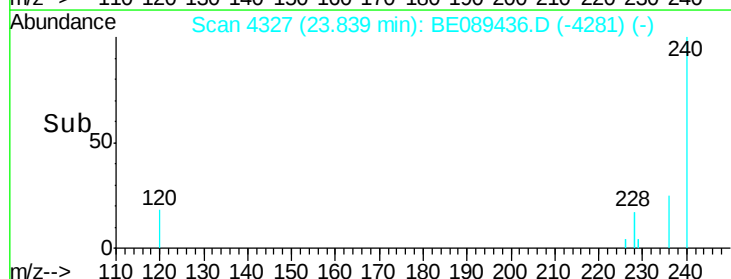
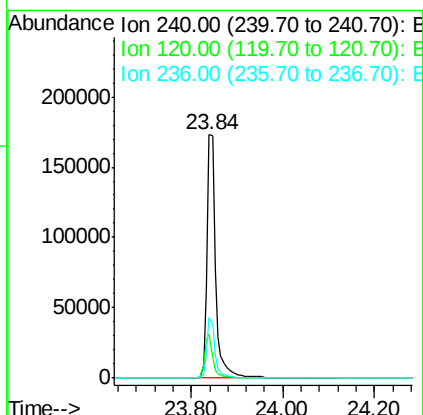
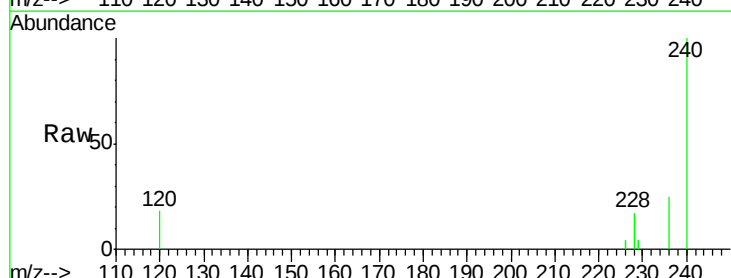
Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

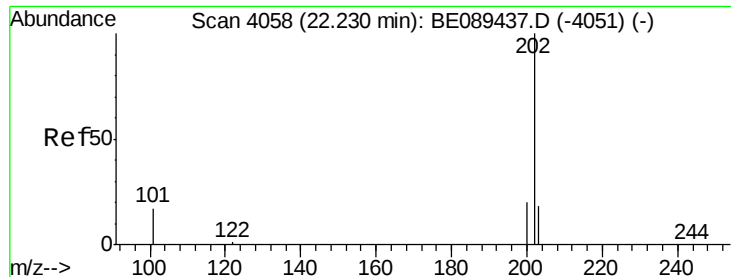
Tgt Ion: 202 Resp: 45007
Ion Ratio Lower Upper
202 100
101 16.7 13.6 20.4
203 16.7 13.8 20.6



#16
Chrysene-d12
Concen: 5.00 ng
RT: 23.84 min Scan# 4327
Delta R.T. -0.00 min
Lab File: BE089436.D
Acq: 30 Jan 2015 7:29

Tgt Ion: 240 Resp: 226336
Ion Ratio Lower Upper
240 100
120 18.1 8.6 13.0#
236 25.0 18.7 28.1

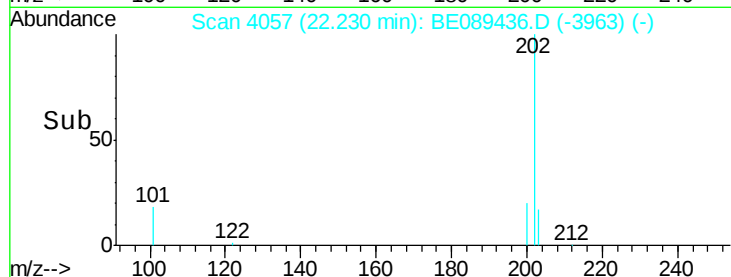
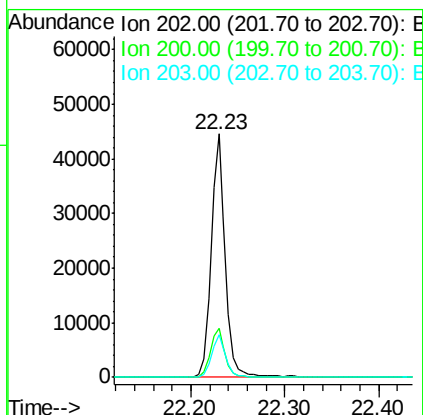
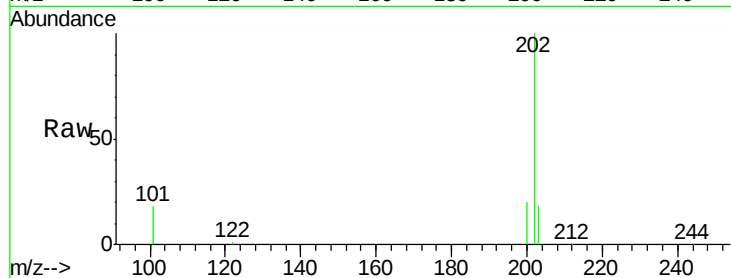




#17
 Pyrene
 Concen: 0.82 ng
 RT: 22.23 min Scan# 4057
 Delta R.T. -0.00 min
 Lab File: BE089436.D
 Acq: 30 Jan 2015 7:29

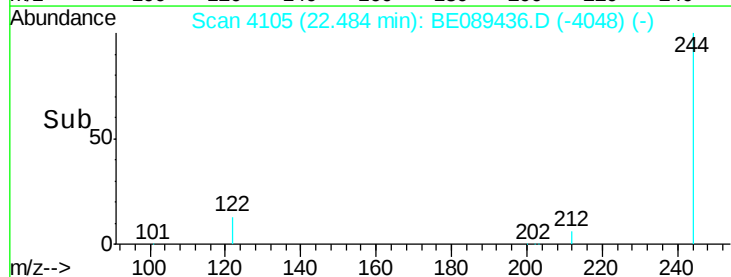
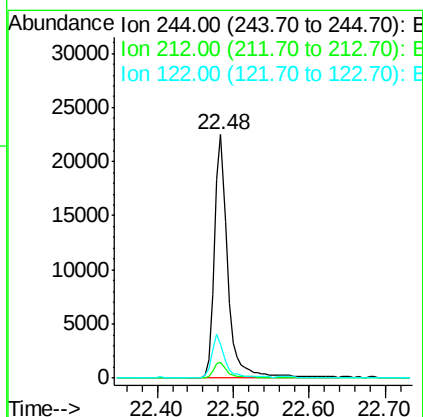
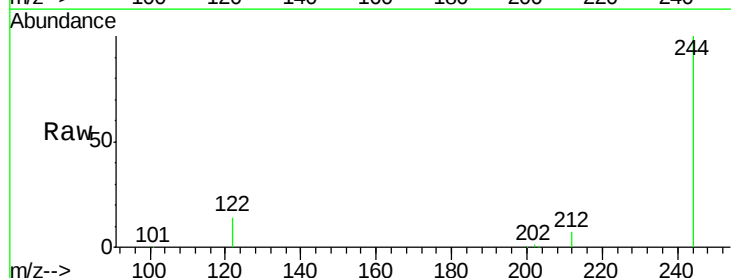
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Tgt Ion: 202 Resp: 46702
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.2 24.4
 203 17.6 13.8 20.8



#18
 Terphenyl-d14
 Concen: 0.90 ng
 RT: 22.48 min Scan# 4105
 Delta R.T. -0.00 min
 Lab File: BE089436.D
 Acq: 30 Jan 2015 7:29

Tgt Ion: 244 Resp: 26472
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.0 7.6
 122 13.6 10.2 15.4





#19

Benzo(a)anthracene

Concen: 0.96 ng

RT: 23.83 min Scan# 4326

Delta R.T. 0.00 min

Lab File: BE089436.D

Acq: 30 Jan 2015 7:29

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

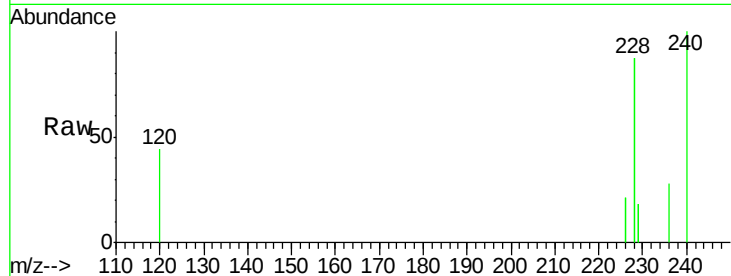
Tgt Ion:228 Resp: 147282

Ion Ratio Lower Upper

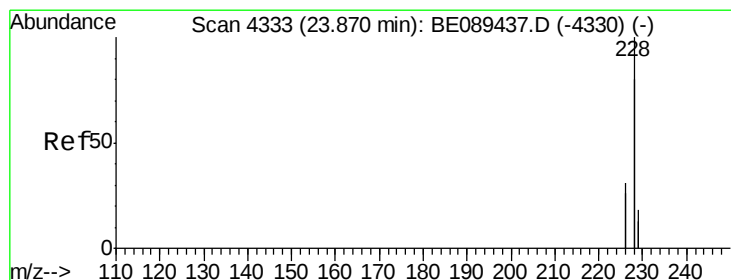
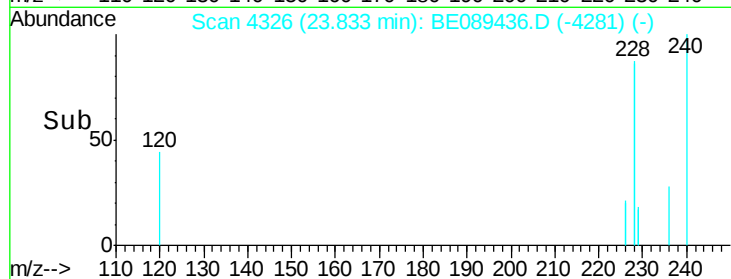
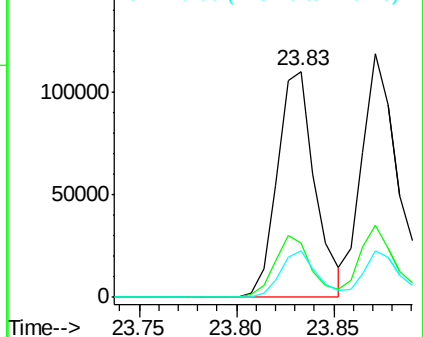
228 100

226 23.8 20.0 30.0

229 20.7 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: 0.91 ng

RT: 23.87 min Scan# 4332

Delta R.T. 0.00 min

Lab File: BE089436.D

Acq: 30 Jan 2015 7:29

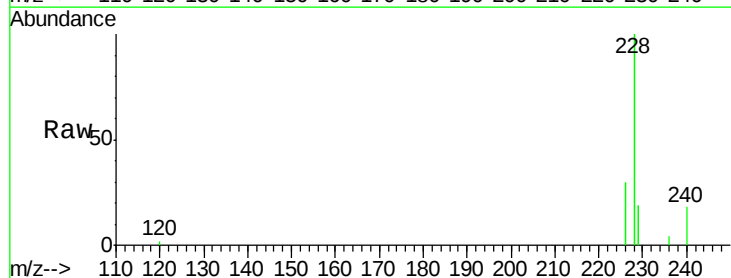
Tgt Ion:228 Resp: 175113

Ion Ratio Lower Upper

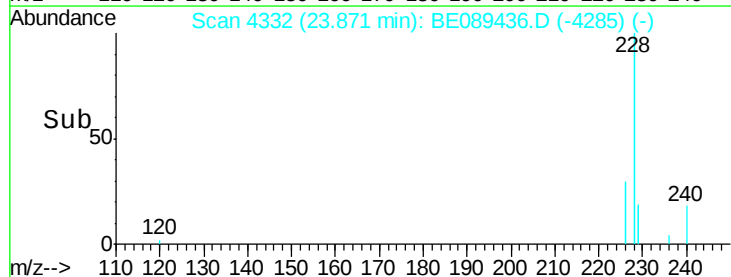
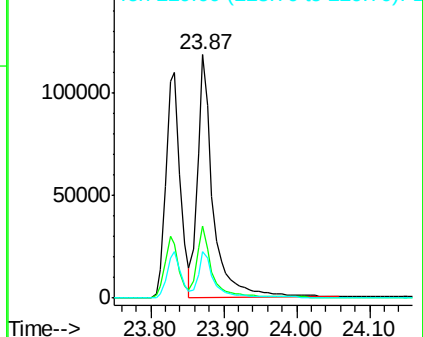
228 100

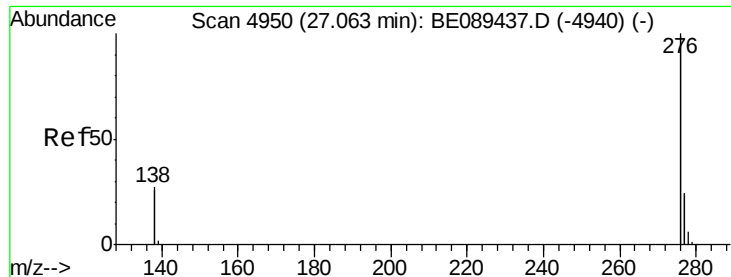
226 29.5 24.5 36.7

229 18.9 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: 1.41 ng

RT: 27.06 min Scan# 4948

Delta R.T. -0.00 min

Lab File: BE089436.D

Acq: 30 Jan 2015 7:29

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

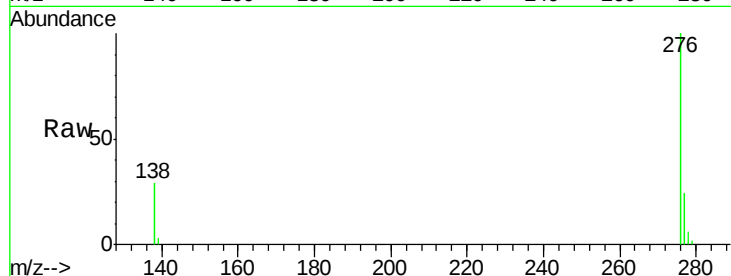
Tgt Ion: 276 Resp: 150332

Ion Ratio Lower Upper

276 100

138 32.2 25.4 38.0

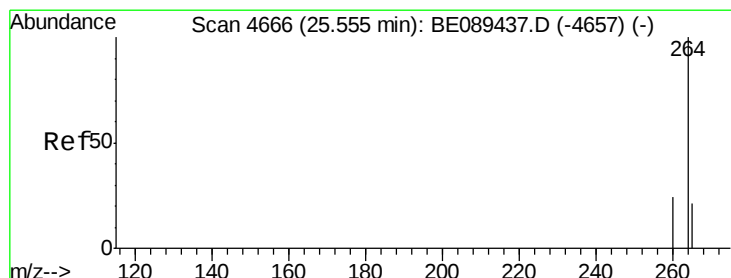
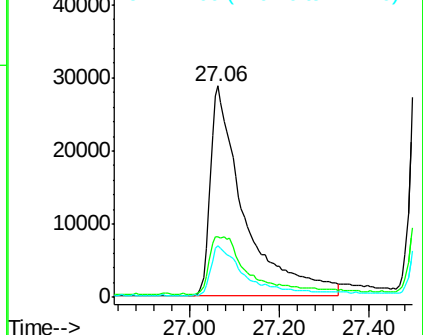
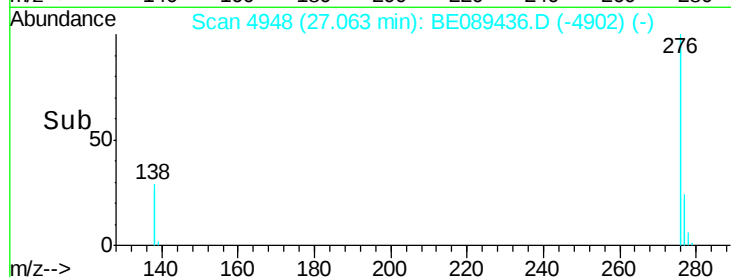
277 24.9 19.8 29.6



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: BE089436.D

Acq: 30 Jan 2015 7:29

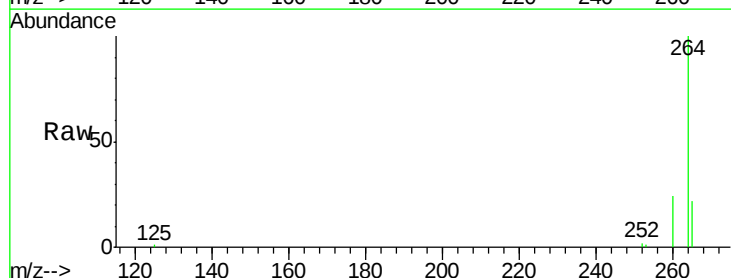
Tgt Ion: 264 Resp: 221205

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.0

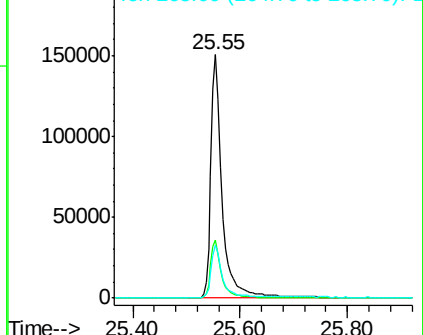
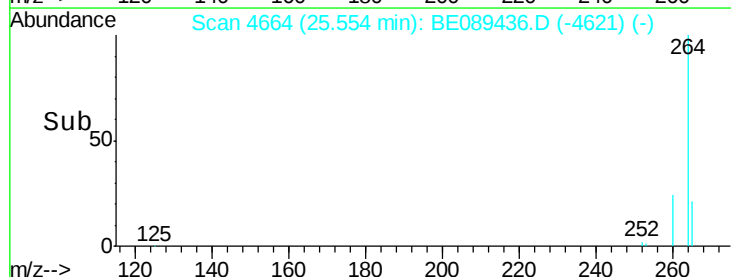
265 21.6 17.0 25.6



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: 0.85 ng

RT: 25.10 min Scan# 4564

Delta R.T. -0.00 min

Lab File: BE089436.D

Acq: 30 Jan 2015 7:29

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

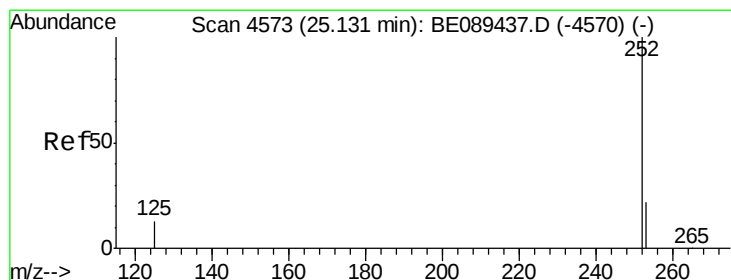
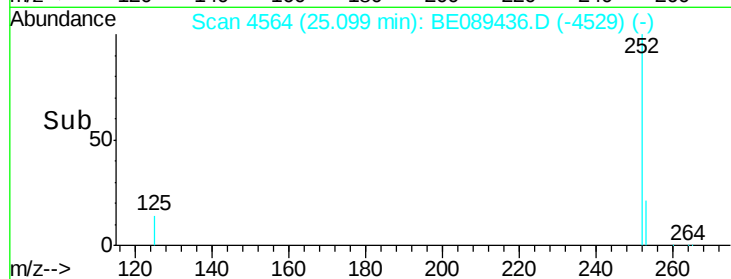
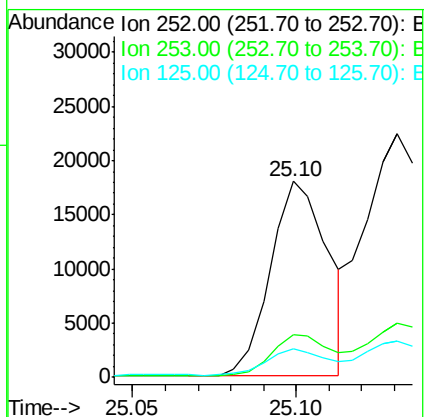
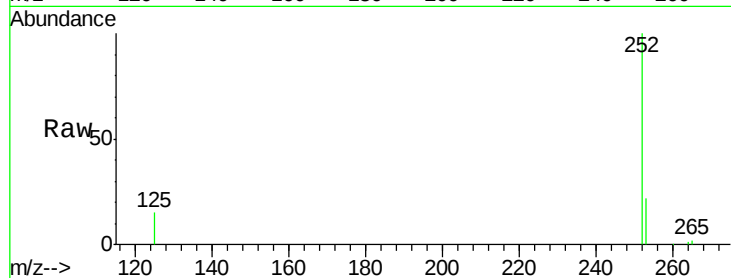
Tgt Ion:252 Resp: 22011

Ion Ratio Lower Upper

252 100

253 21.8 17.0 25.6

125 14.8 11.4 17.0



#24

Benzo(k)fluoranthene

Concen: 1.11 ng

RT: 25.13 min Scan# 4571

Delta R.T. -0.00 min

Lab File: BE089436.D

Acq: 30 Jan 2015 7:29

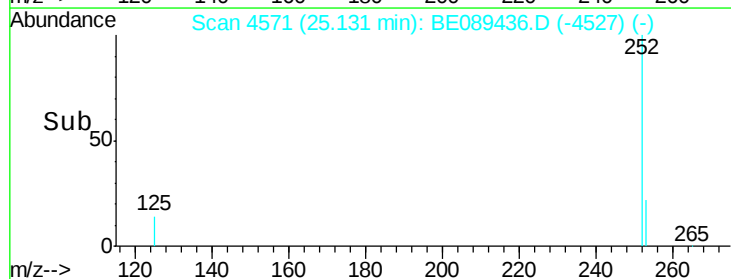
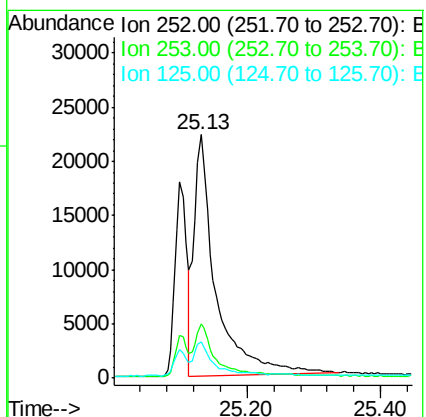
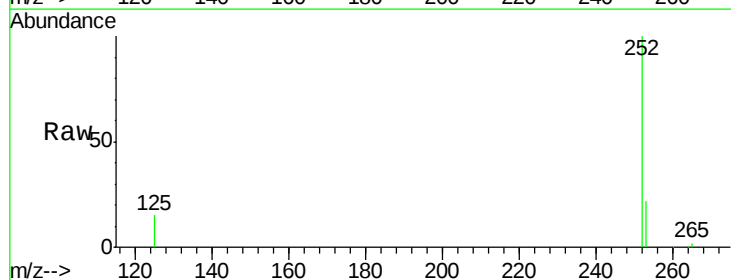
Tgt Ion:252 Resp: 49757

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

125 14.7 10.9 16.3





#25

Benzo(a)pyrene

Concen: 1.03 ng

RT: 25.49 min Scan# 4649

Delta R.T. -0.00 min

Lab File: BE089436.D

Acq: 30 Jan 2015 7:29

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

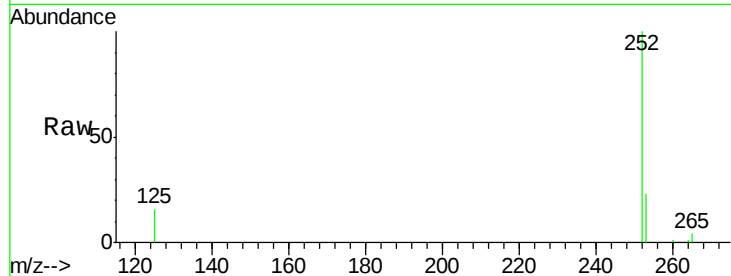
Tgt Ion:252 Resp: 27015

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

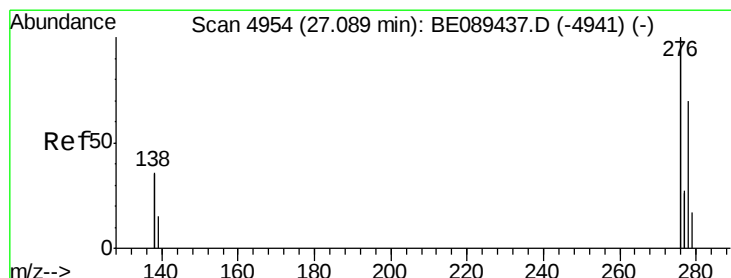
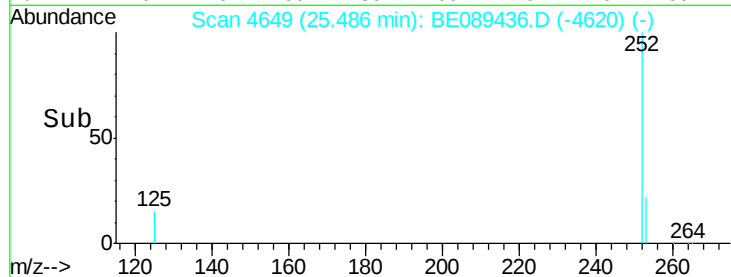
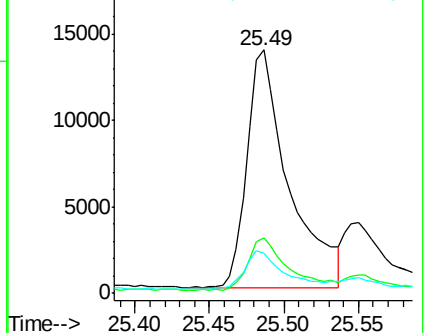
125 16.3 12.0 18.0



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: 1.38 ng

RT: 27.09 min Scan# 4952

Delta R.T. -0.00 min

Lab File: BE089436.D

Acq: 30 Jan 2015 7:29

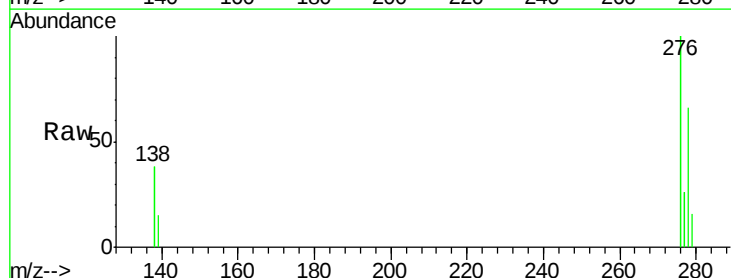
Tgt Ion:278 Resp: 30095

Ion Ratio Lower Upper

278 100

139 21.9 17.0 25.4

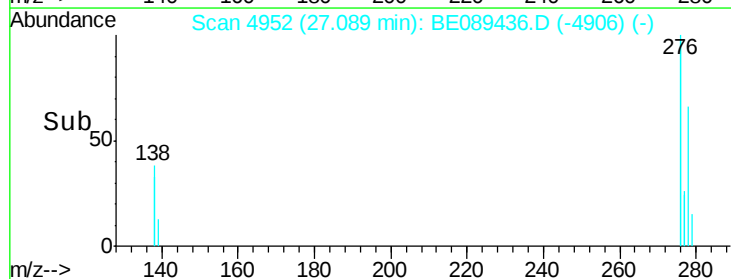
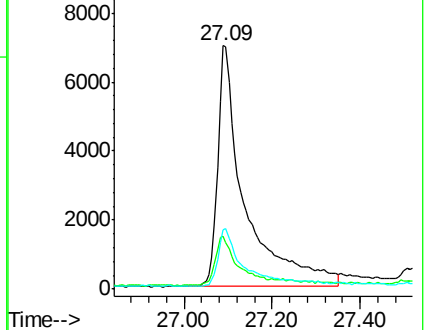
279 24.4 19.1 28.7



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: 1.13 ng

RT: 27.51 min Scan# 5017

Delta R.T. 0.01 min

Lab File: BE089436.D

Acq: 30 Jan 2015 7:29

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

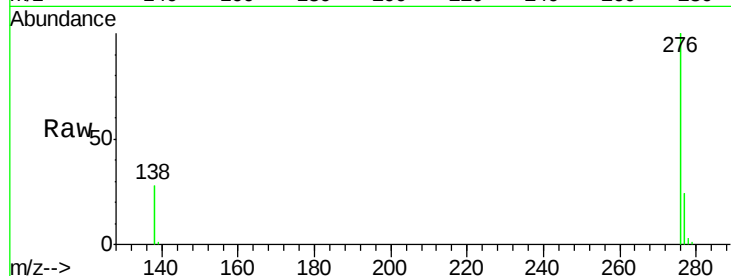
Tgt Ion: 276 Resp: 144571

Ion Ratio Lower Upper

276 100

277 23.6 18.4 27.6

138 28.3 23.7 35.5



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

