

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013015\
 Data File : BE089434.D
 Acq On : 30 Jan 2015 6:11
 Operator : TP/IZ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Quant Time: Jan 31 04:43:30 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

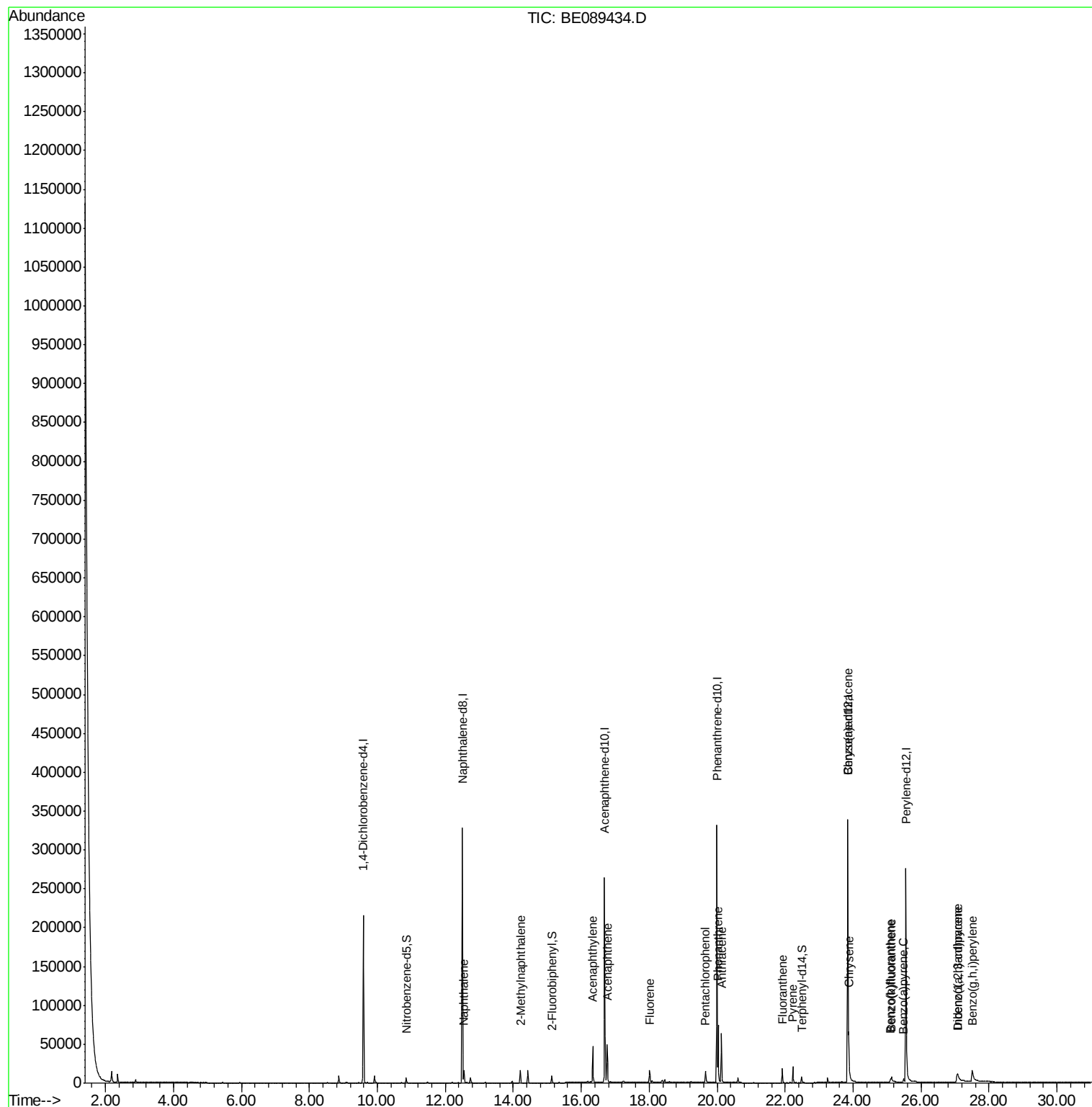
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.59	152	88560	5.00	ng	0.00
2) Naphthalene-d8	12.50	136	363700	5.00	ng	0.00
6) Acenaphthene-d10	16.69	164	168376	5.00	ng	-0.01
11) Phenanthrene-d10	19.99	188	327168	5.00	ng	0.00
16) Chrysene-d12	23.85	240	279734	5.00	ng	0.00
22) Perylene-d12	25.55	264	271254	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.85	82	4769	0.25	ng	0.00
7) 2-Fluorobiphenyl	15.14	172	8764	0.23	ng	0.00
18) Terphenyl-d14	22.48	244	8390	0.23	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	12.55	128	17588	0.25	ng	99
5) 2-Methylnaphthalene	14.21	142	10234	0.24	ng	98
8) Acenaphthylene	16.33	152	59554	0.25	ng	99
9) Acenaphthene	16.76	154	9256	0.25	ng	97
10) Fluorene	18.02	166	10286	0.26	ng	100
12) Pentachlorophenol	19.66	266	9478	2.40	ng	95
13) Phenanthrene	20.03	178	64703	0.23	ng	98
14) Anthracene	20.12	178	56145	0.22	ng	99
15) Fluoranthene	21.91	202	13929	0.25	ng	100
17) Pyrene	22.23	202	14943	0.21	ng	99
19) Benzo(a)anthracene	23.83	228	45404	0.24	ng	100
20) Chrysene	23.87	228	54984	0.23	ng	97
21) Indeno(1,2,3-cd)pyrene	27.06	276	36725	0.28	ng	# 91
23) Benzo(b)fluoranthene	25.10	252	5042	0.16	ng	# 92
24) Benzo(k)fluoranthene	25.13	252	11964	0.22	ng	# 94
25) Benzo(a)pyrene	25.48	252	6277	0.19	ng	# 87
26) Dibenzo(a,h)anthracene	27.09	278	5328	0.20	ng	# 85
27) Benzo(g,h,i)perylene	27.51	276	38558	0.25	ng	94

(#) = 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: BE089434.D

Acq: 30 Jan 2015 6:11

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

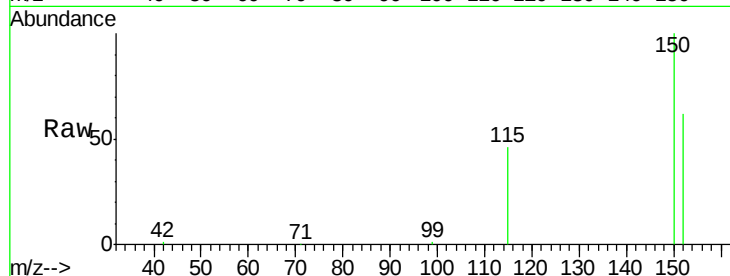
Tgt Ion:152 Resp: 88560

Ion Ratio Lower Upper

152 100

150 160.1 127.2 190.8

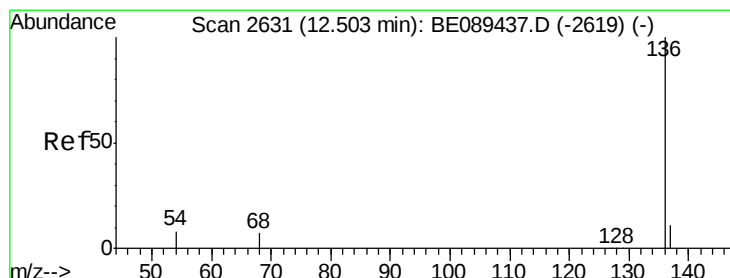
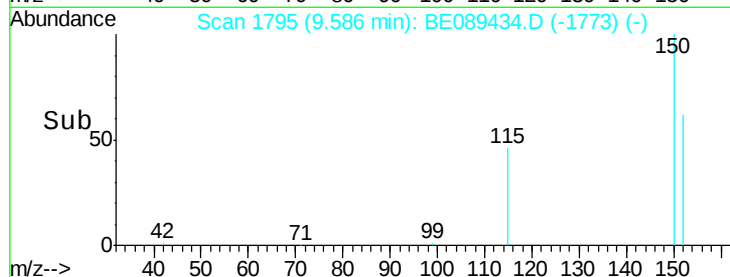
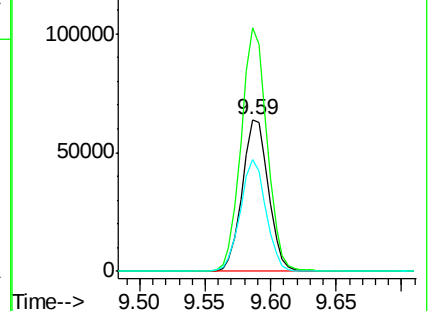
115 73.2 57.5 86.3



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: BE089434.D

Acq: 30 Jan 2015 6:11

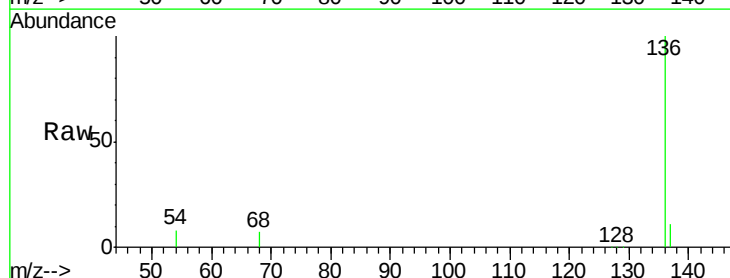
Tgt Ion:136 Resp: 363700

Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

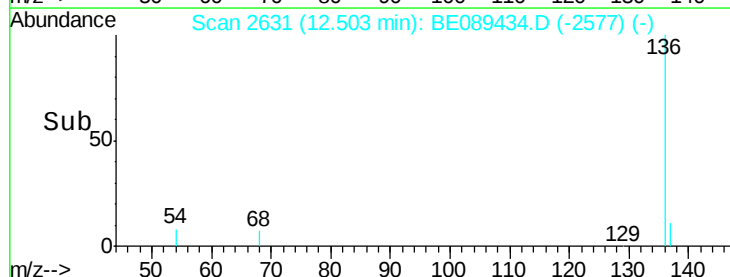
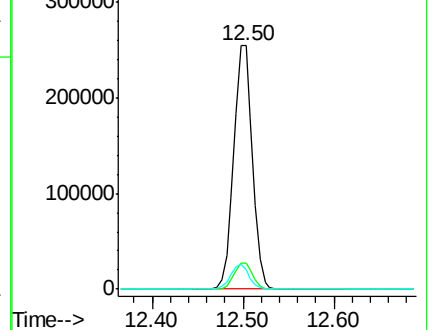
54 8.0 6.6 10.0



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: 0.25 ng

RT: 10.85 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BE089434.D

Acq: 30 Jan 2015 6:11

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

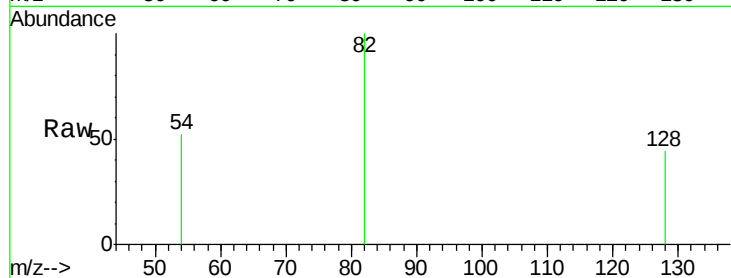
Tgt Ion: 82 Resp: 4769

Ion Ratio Lower Upper

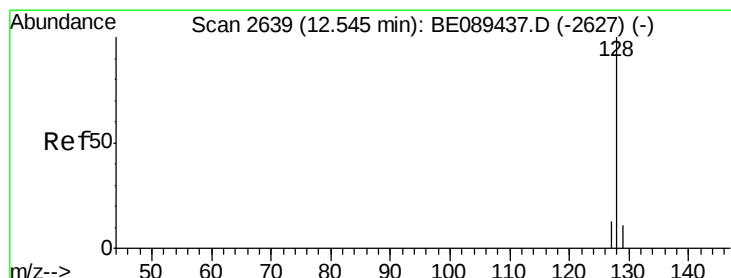
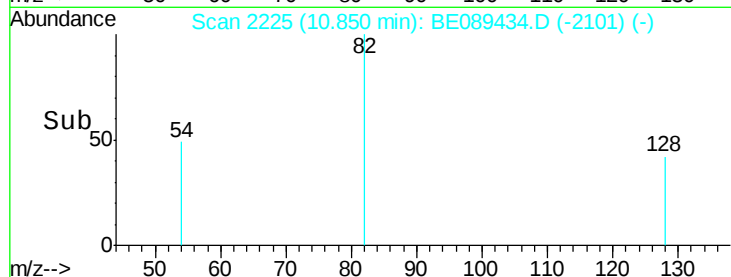
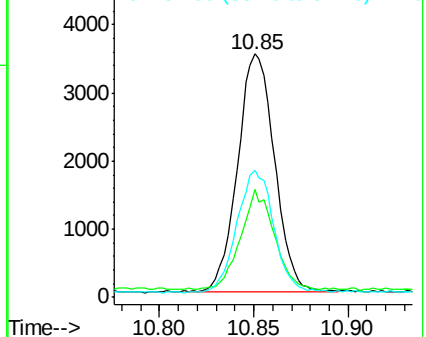
82 100

128 44.3 31.2 46.8

54 52.0 41.9 62.9



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0



#4

Naphthalene

Concen: 0.25 ng

RT: 12.55 min Scan# 2639

Delta R.T. 0.00 min

Lab File: BE089434.D

Acq: 30 Jan 2015 6:11

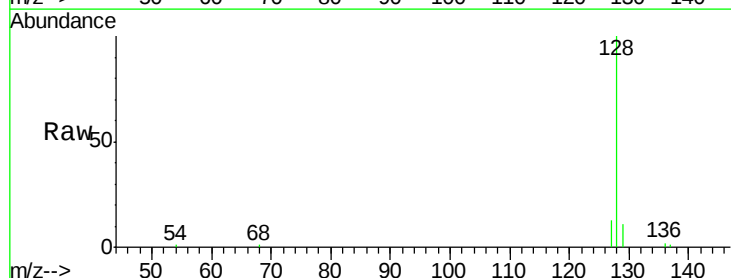
Tgt Ion: 128 Resp: 17588

Ion Ratio Lower Upper

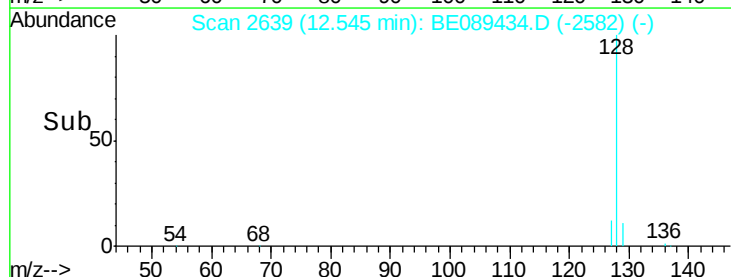
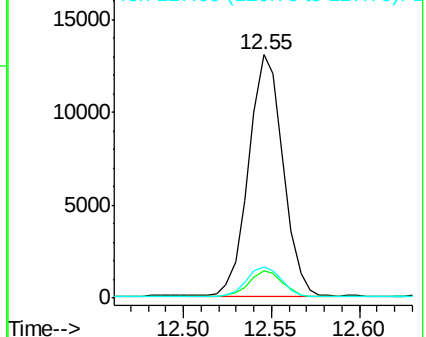
128 100

129 11.2 8.8 13.2

127 12.6 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: 0.24 ng

RT: 14.21 min Scan# 2977

Delta R.T. -0.00 min

Lab File: BE089434.D

Acq: 30 Jan 2015 6:11

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

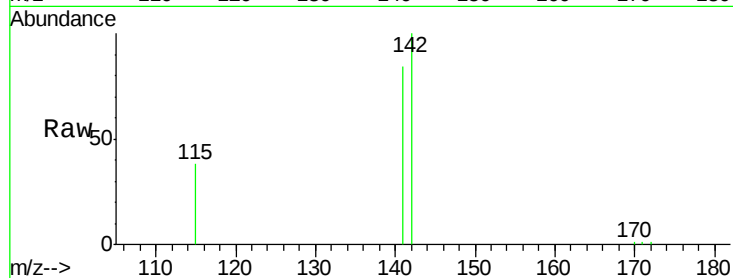
Tgt Ion:142 Resp: 10234

Ion Ratio Lower Upper

142 100

141 84.4 66.1 99.1

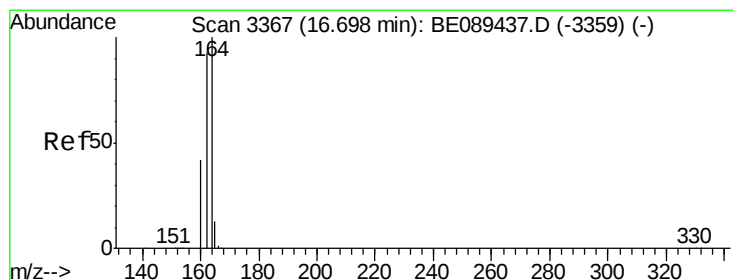
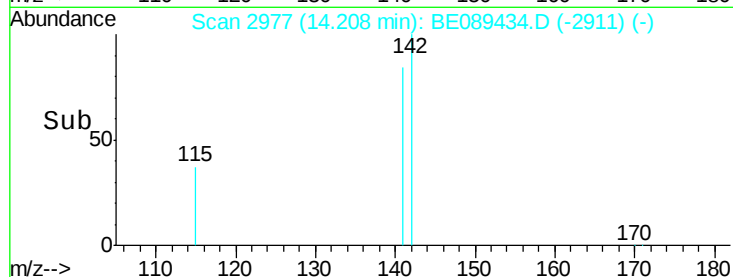
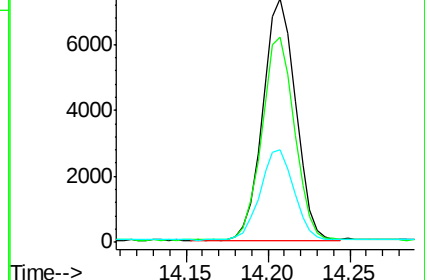
115 38.2 29.9 44.9



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: BE089434.D

Acq: 30 Jan 2015 6:11

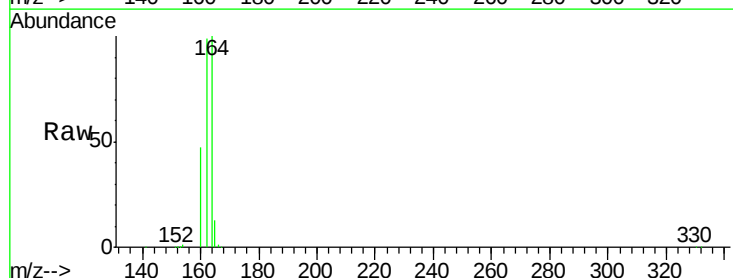
Tgt Ion:164 Resp: 168376

Ion Ratio Lower Upper

164 100

162 98.9 74.7 112.1

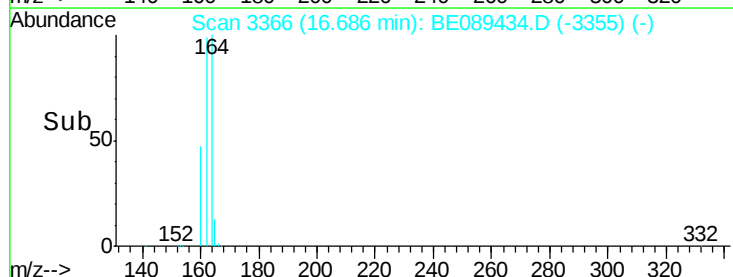
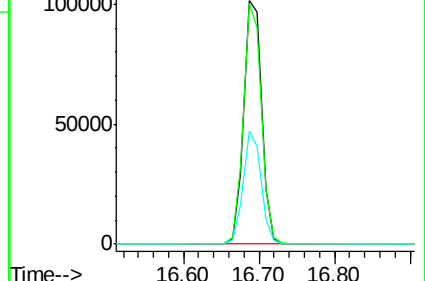
160 46.6 33.4 50.0



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: 0.23 ng

RT: 15.14 min Scan# 3181

Delta R.T. -0.00 min

Lab File: BE089434.D

Acq: 30 Jan 2015 6:11

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

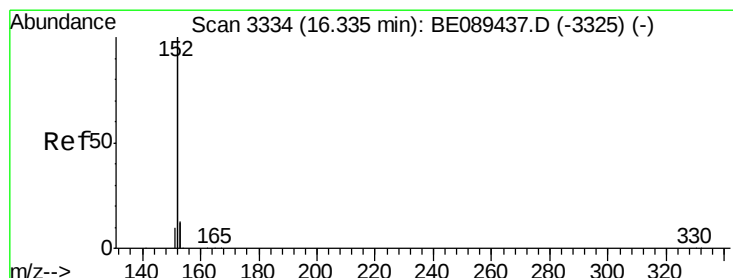
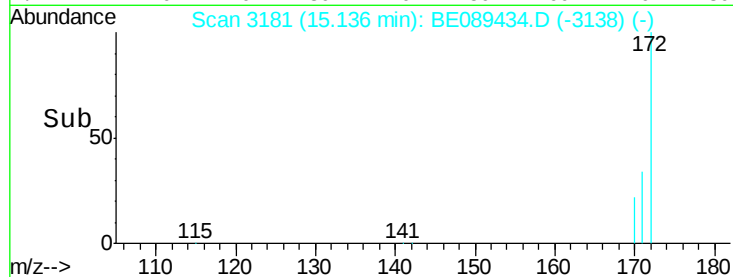
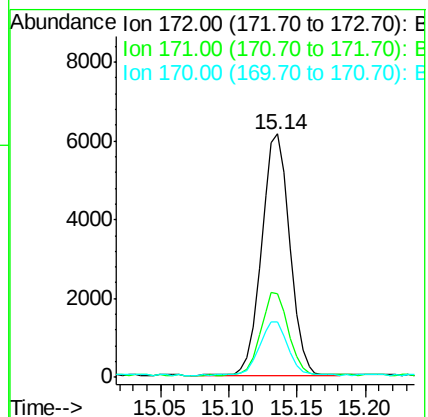
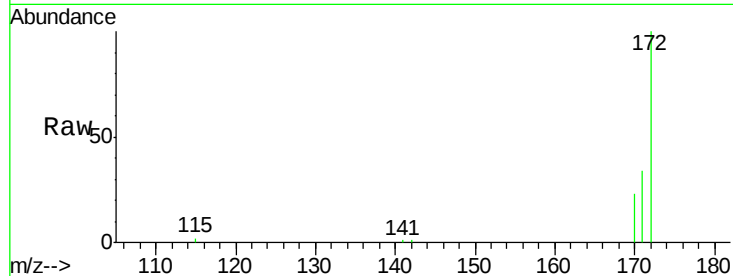
Tgt Ion:172 Resp: 8764

Ion Ratio Lower Upper

172 100

171 34.3 26.2 39.4

170 23.0 16.5 24.7



#8

Acenaphthylene

Concen: 0.25 ng

RT: 16.33 min Scan# 3334

Delta R.T. -0.00 min

Lab File: BE089434.D

Acq: 30 Jan 2015 6:11

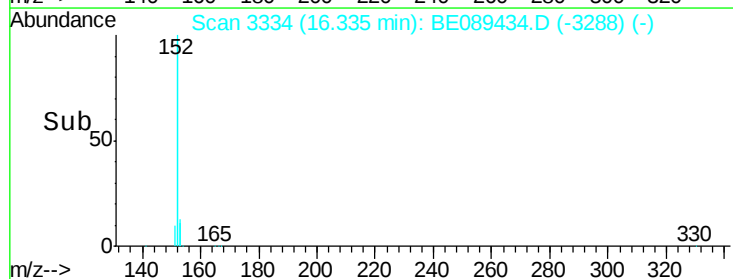
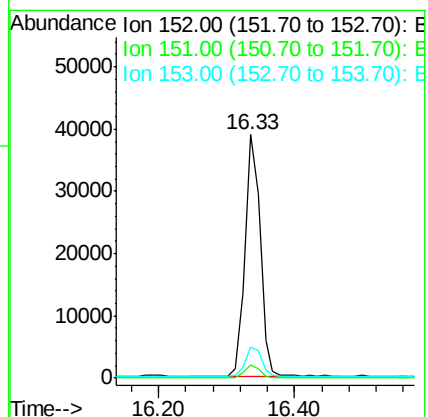
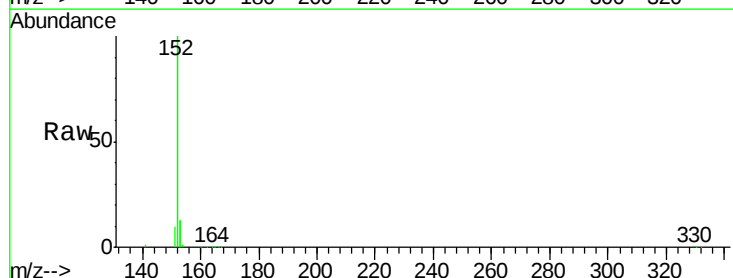
Tgt Ion:152 Resp: 59554

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

153 13.4 10.3 15.5





#9

Acenaphthene

Concen: 0.25 ng

RT: 16.76 min Scan# 3373

Delta R.T. -0.00 min

Lab File: BE089434.D

Acq: 30 Jan 2015 6:11

Instrument :

BNA_E

LabSampleId :

SSTDICC0.2

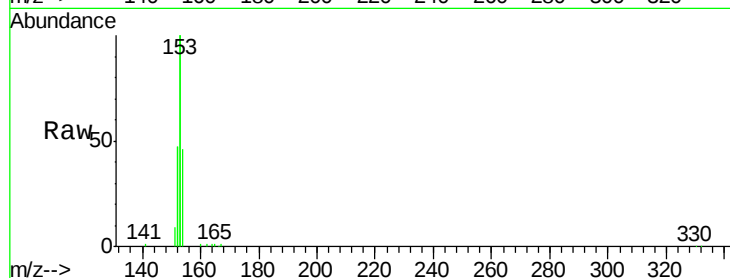
Tgt Ion:154 Resp: 9256

Ion Ratio Lower Upper

154 100

153 435.0 342.3 513.5

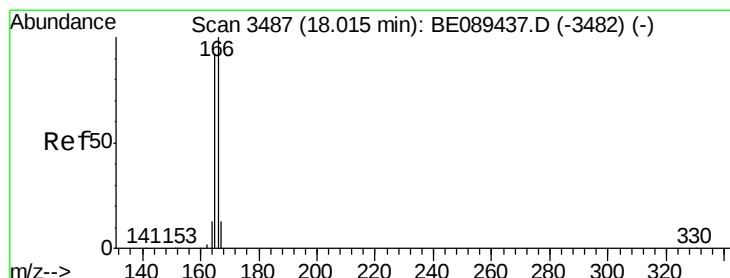
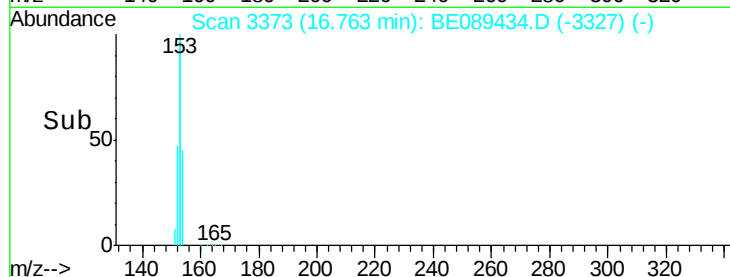
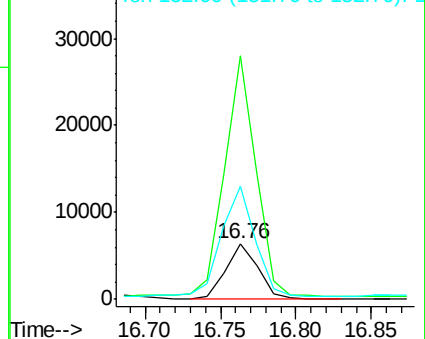
152 214.2 165.5 248.3



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: 0.26 ng

RT: 18.02 min Scan# 3487

Delta R.T. -0.00 min

Lab File: BE089434.D

Acq: 30 Jan 2015 6:11

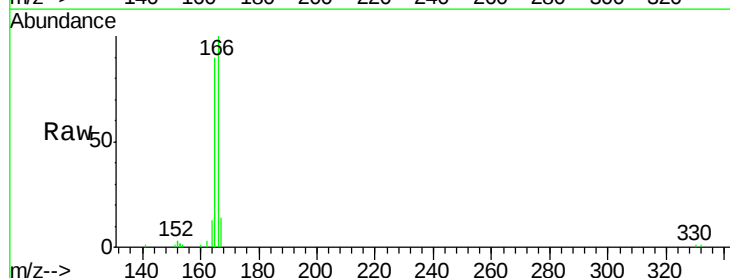
Tgt Ion:166 Resp: 10286

Ion Ratio Lower Upper

166 100

165 92.7 74.4 111.6

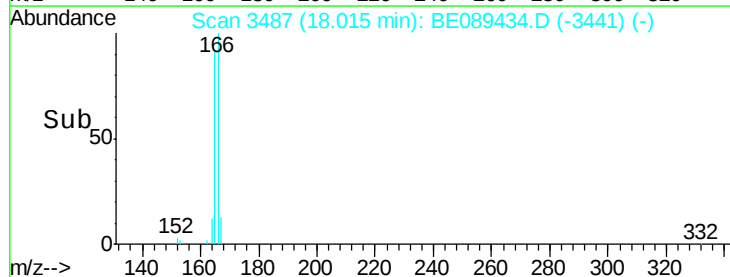
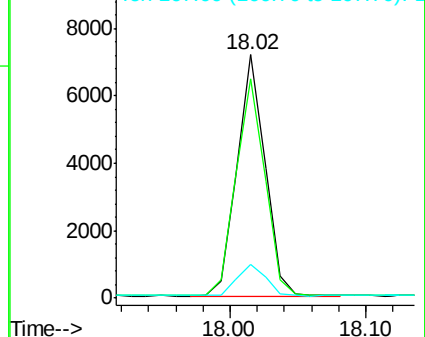
167 13.6 10.6 15.8



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

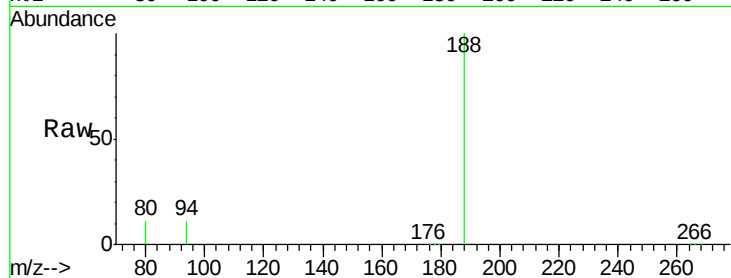




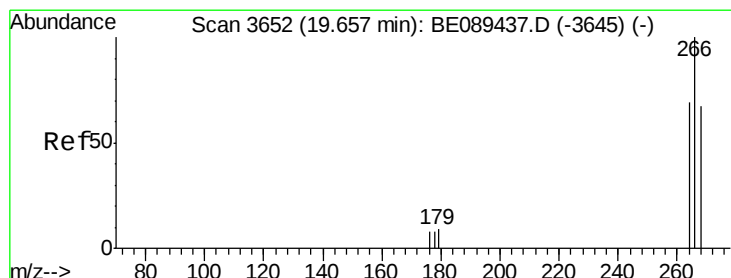
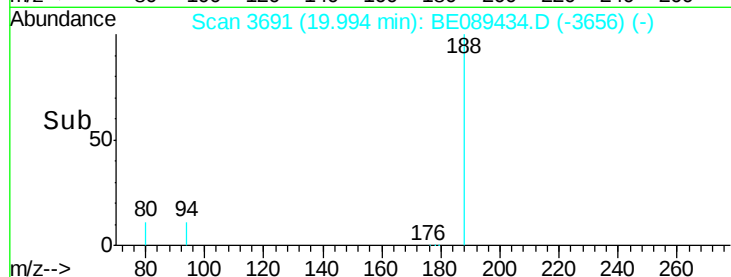
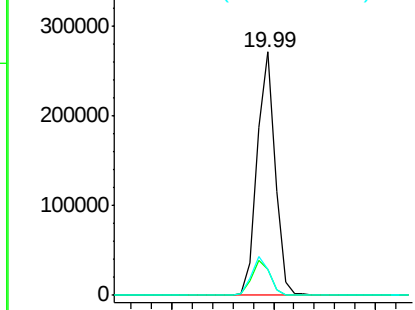
#11
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 19.99 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: BE089434.D
 Acq: 30 Jan 2015 6:11

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Tgt Ion:188 Resp: 327168
 Ion Ratio Lower Upper
 188 100
 94 10.8 9.4 14.0
 80 10.7 9.3 13.9

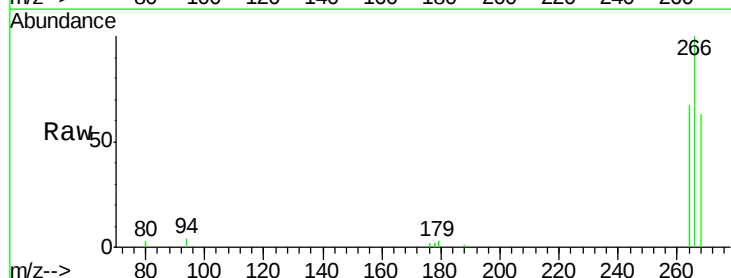


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BE0
 Ion 80.00 (79.70 to 80.70): BE0

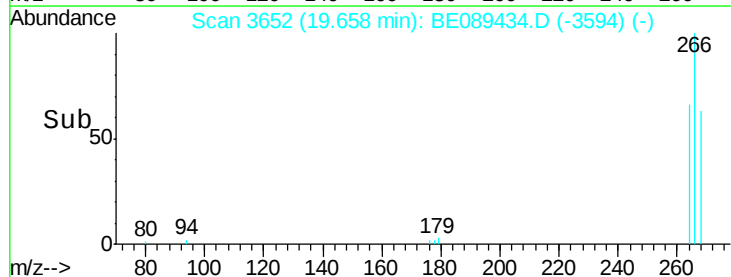
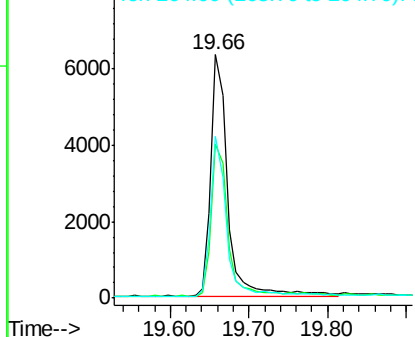


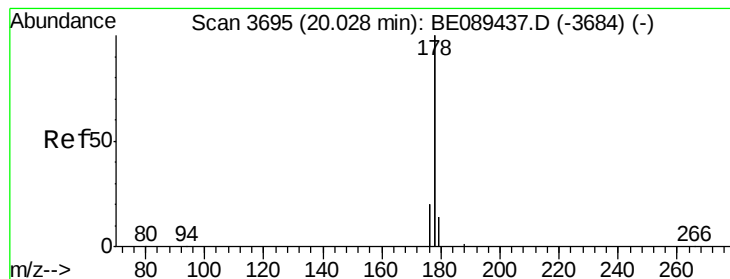
#12
 Pentachlorophenol
 Concen: 2.40 ng
 RT: 19.66 min Scan# 3652
 Delta R.T. 0.00 min
 Lab File: BE089434.D
 Acq: 30 Jan 2015 6:11

Tgt Ion:266 Resp: 9478
 Ion Ratio Lower Upper
 266 100
 268 63.1 54.2 81.4
 264 66.6 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: 0.23 ng

RT: 20.03 min Scan# 3695

Delta R.T. 0.00 min

Lab File: BE089434.D

Acq: 30 Jan 2015 6:11

Instrument :

BNA_E

LabSampleId :

SSTDICC0.2

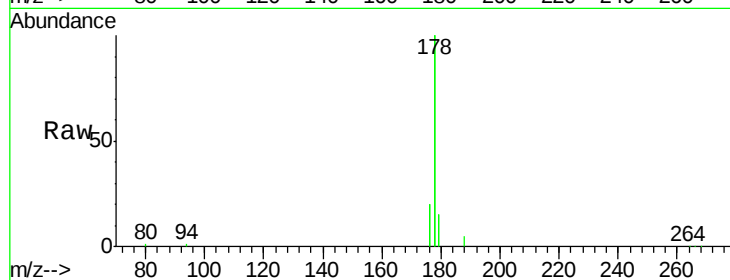
Tgt Ion:178 Resp: 64703

Ion Ratio Lower Upper

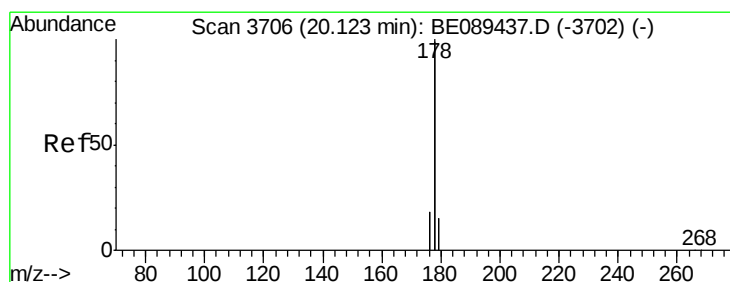
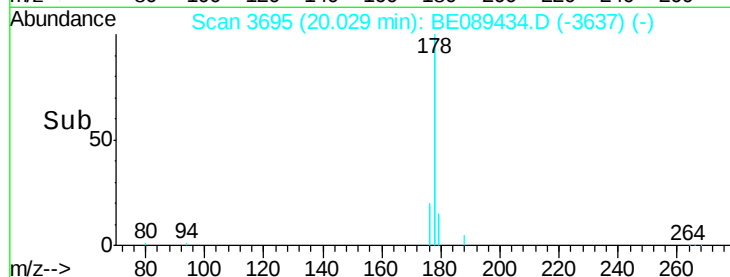
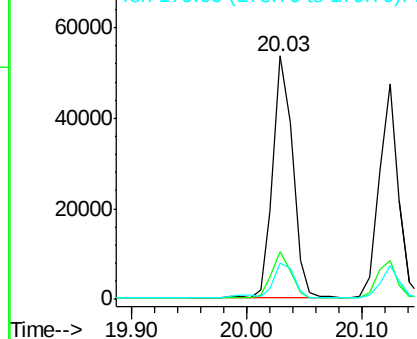
178 100

176 18.8 15.1 22.7

179 16.7 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: 0.22 ng

RT: 20.12 min Scan# 3706

Delta R.T. 0.00 min

Lab File: BE089434.D

Acq: 30 Jan 2015 6:11

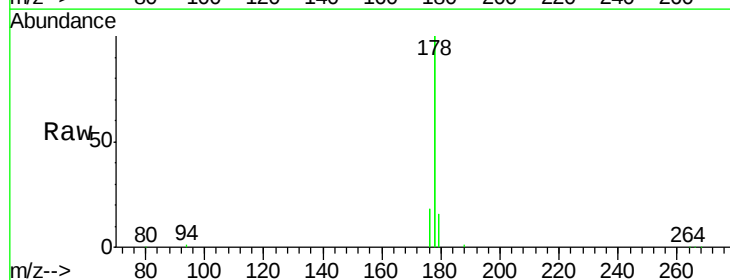
Tgt Ion:178 Resp: 56145

Ion Ratio Lower Upper

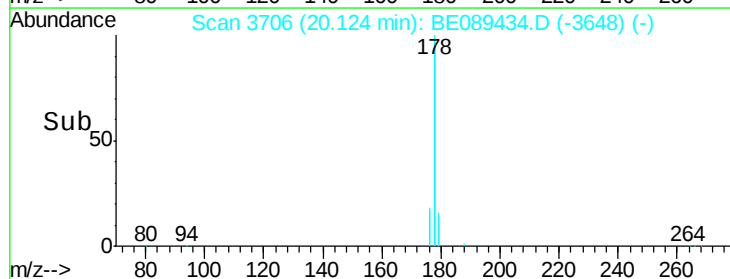
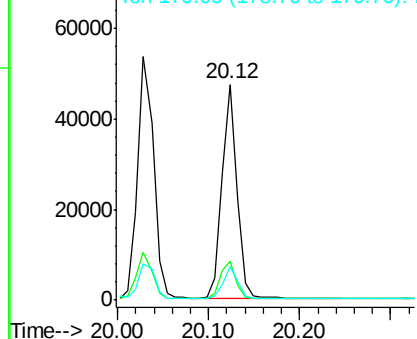
178 100

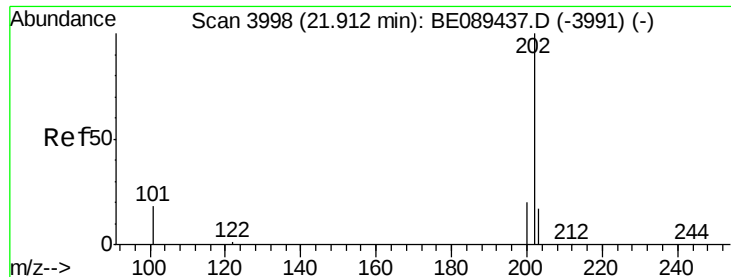
176 18.1 14.6 22.0

179 14.2 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

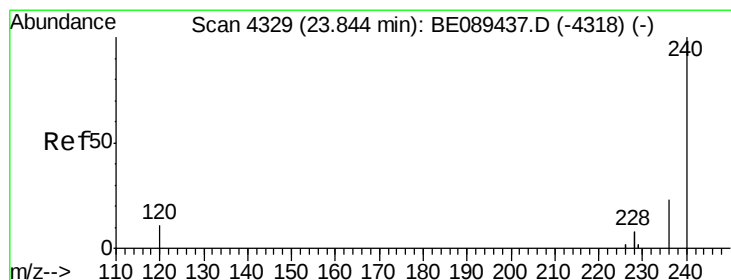
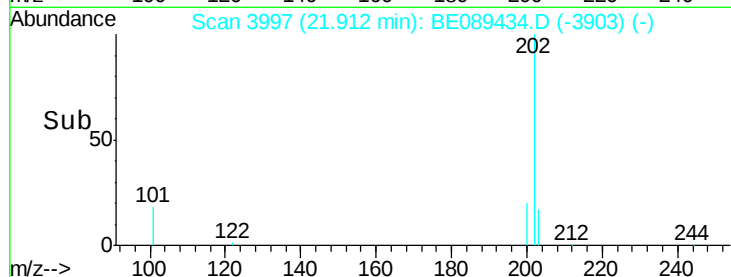
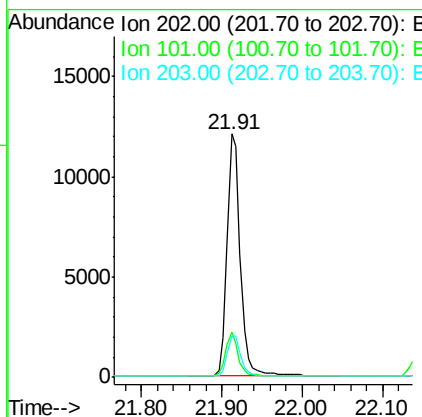
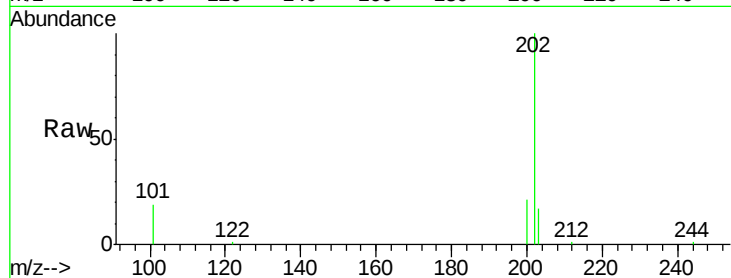




#15
 Fluoranthene
 Concen: 0.25 ng
 RT: 21.91 min Scan# 3997
 Delta R.T. -0.00 min
 Lab File: BE089434.D
 Acq: 30 Jan 2015 6:11

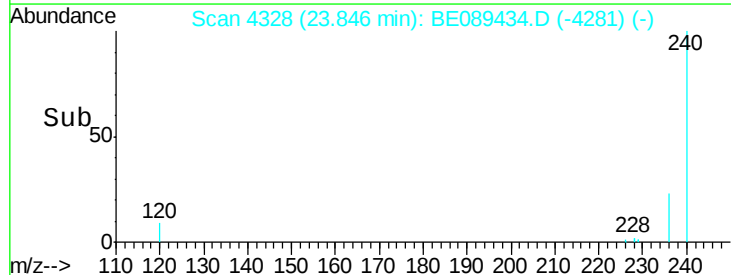
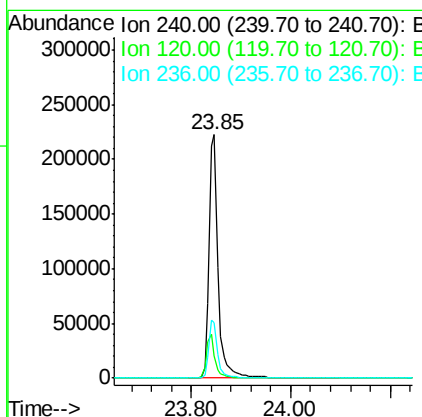
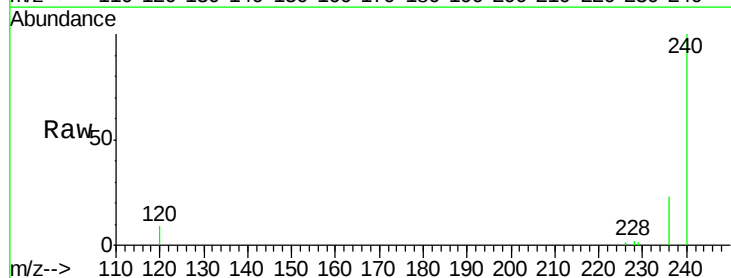
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Tgt Ion: 202 Resp: 13929
 Ion Ratio Lower Upper
 202 100
 101 17.3 13.6 20.4
 203 17.0 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: BE089434.D
 Acq: 30 Jan 2015 6:11

Tgt Ion: 240 Resp: 279734
 Ion Ratio Lower Upper
 240 100
 120 8.9 8.6 13.0
 236 22.6 18.7 28.1

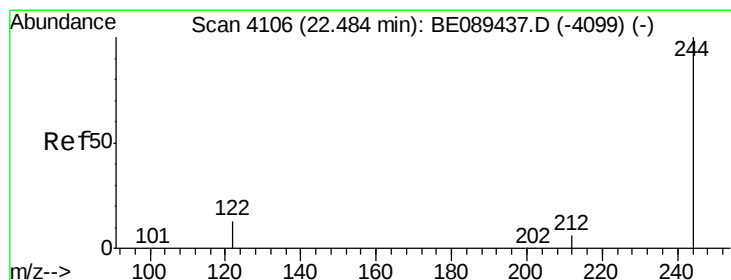
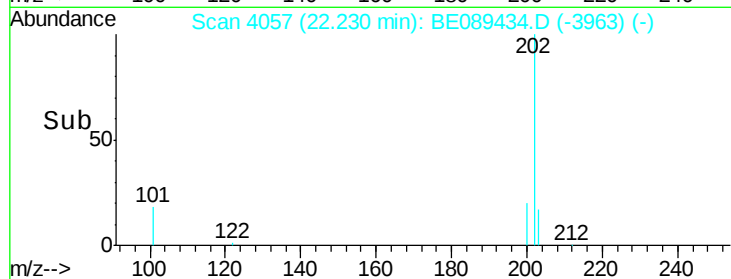
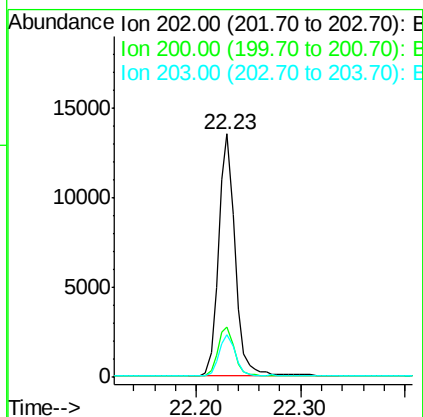
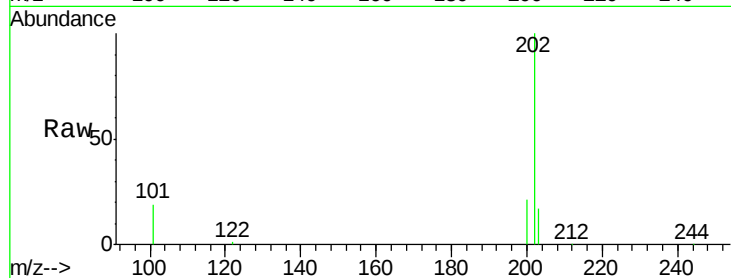




#17
 Pyrene
 Concen: 0.21 ng
 RT: 22.23 min Scan# 4057
 Delta R.T. -0.00 min
 Lab File: BE089434.D
 Acq: 30 Jan 2015 6:11

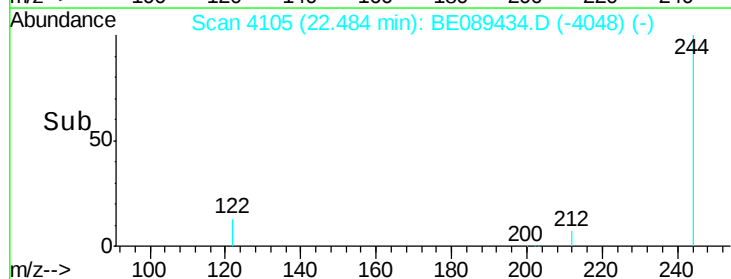
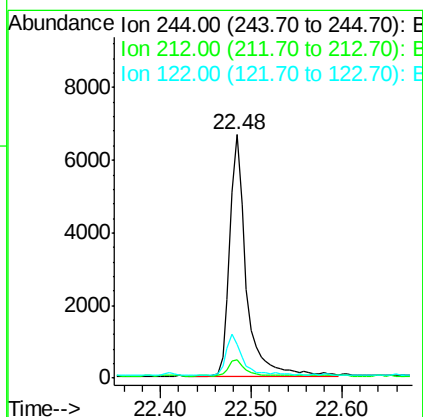
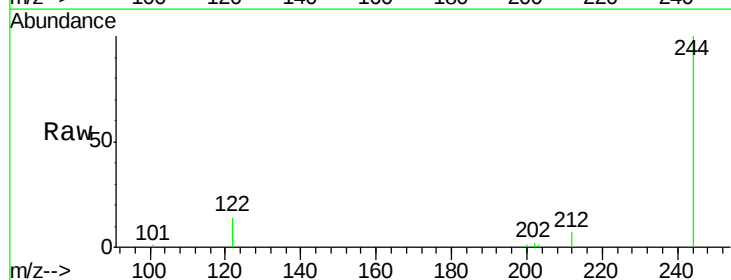
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Tgt Ion: 202 Resp: 14943
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.2 24.4
 203 17.2 13.8 20.8



#18
 Terphenyl-d14
 Concen: 0.23 ng
 RT: 22.48 min Scan# 4105
 Delta R.T. -0.00 min
 Lab File: BE089434.D
 Acq: 30 Jan 2015 6:11

Tgt Ion: 244 Resp: 8390
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.0 7.6
 122 13.9 10.2 15.4





#19

Benzo(a)anthracene

Concen: 0.24 ng

RT: 23.83 min Scan# 4326

Delta R.T. 0.00 min

Lab File: BE089434.D

Acq: 30 Jan 2015 6:11

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

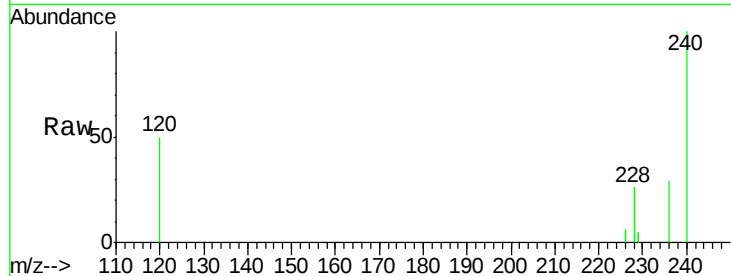
Tgt Ion:228 Resp: 45404

Ion Ratio Lower Upper

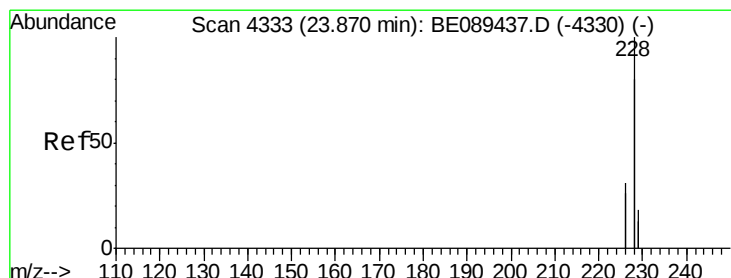
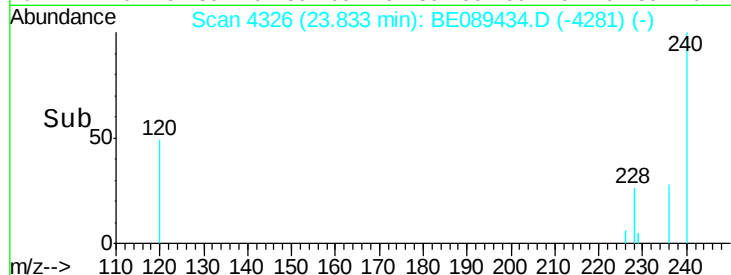
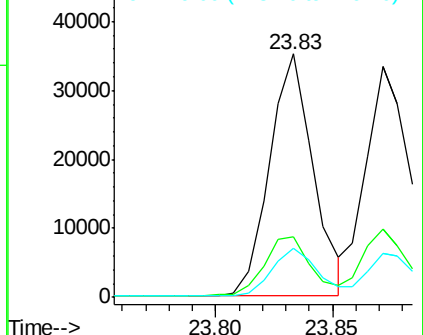
228 100

226 24.9 20.0 30.0

229 20.3 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: 0.23 ng

RT: 23.87 min Scan# 4332

Delta R.T. 0.00 min

Lab File: BE089434.D

Acq: 30 Jan 2015 6:11

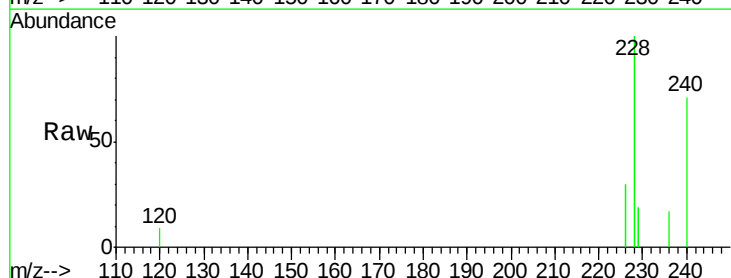
Tgt Ion:228 Resp: 54984

Ion Ratio Lower Upper

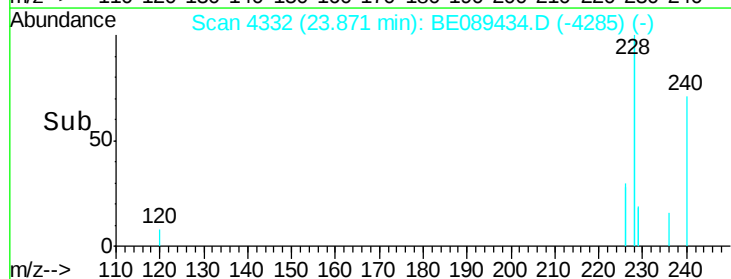
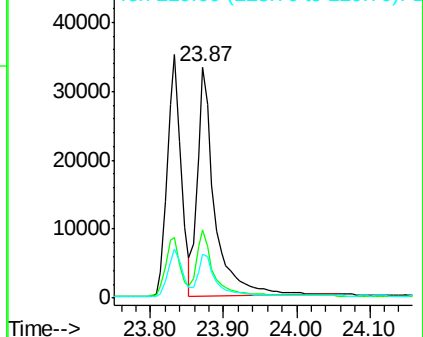
228 100

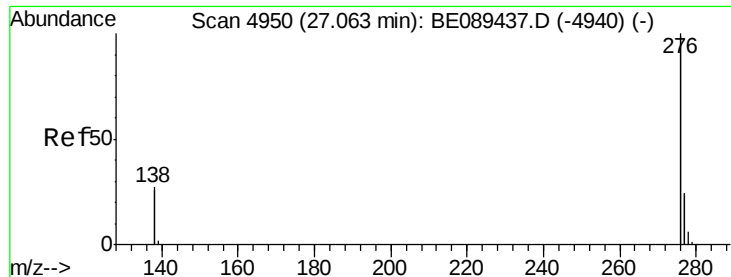
226 29.6 24.5 36.7

229 19.3 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: 0.28 ng

RT: 27.06 min Scan# 4948

Delta R.T. -0.00 min

Lab File: BE089434.D

Acq: 30 Jan 2015 6:11

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

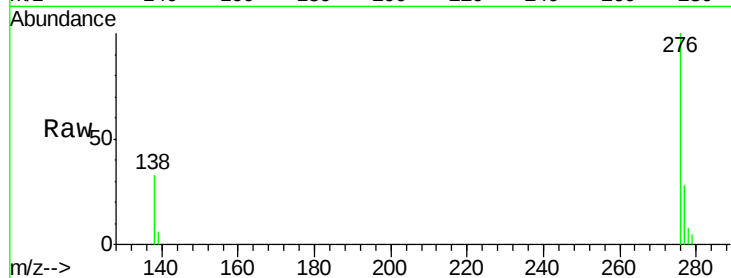
Tgt Ion:276 Resp: 36725

Ion Ratio Lower Upper

276 100

138 27.7 25.4 38.0

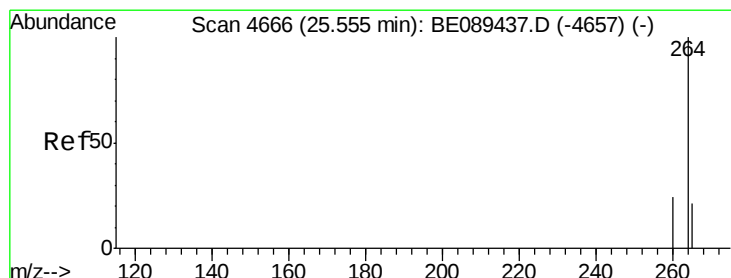
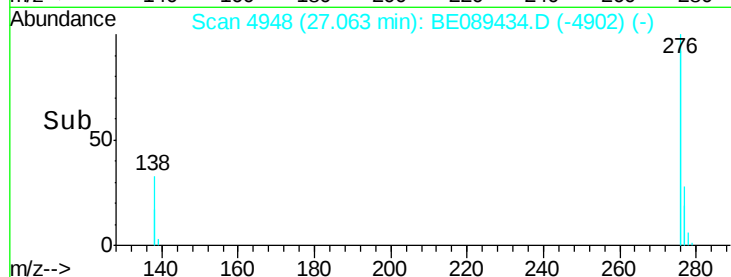
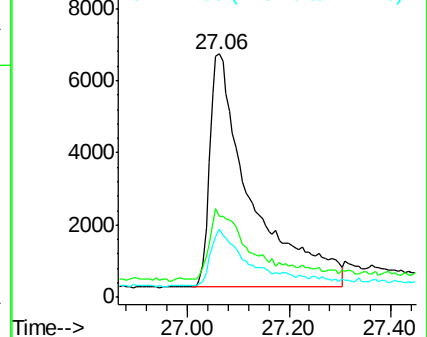
277 19.6 19.8 29.6#



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: BE089434.D

Acq: 30 Jan 2015 6:11

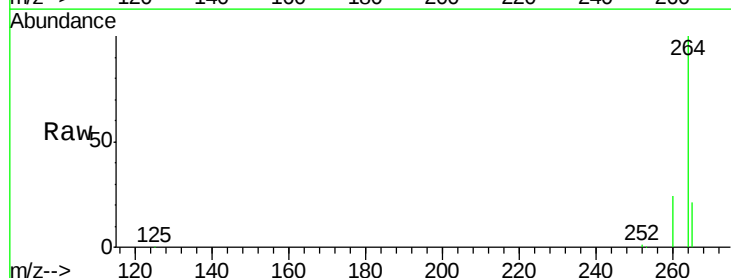
Tgt Ion:264 Resp: 271254

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.0

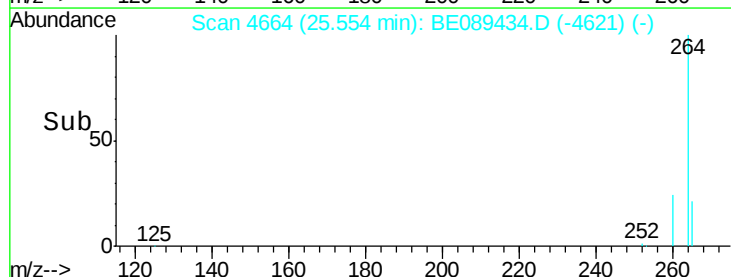
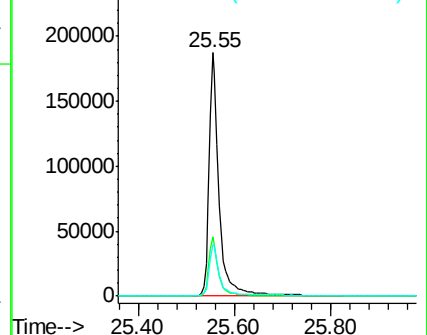
265 21.4 17.0 25.6



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: 0.16 ng

RT: 25.10 min Scan# 4564

Delta R.T. -0.00 min

Lab File: BE089434.D

Acq: 30 Jan 2015 6:11

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

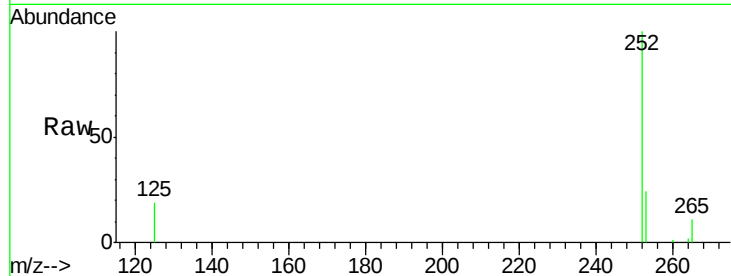
Tgt Ion:252 Resp: 5042

Ion Ratio Lower Upper

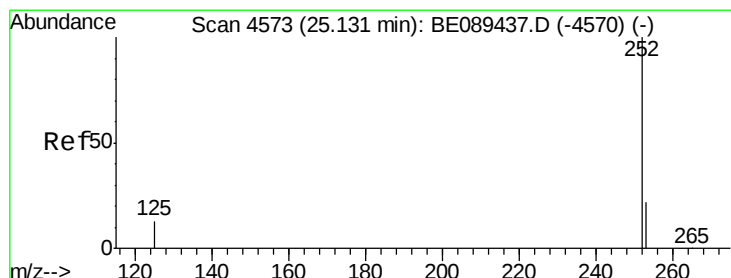
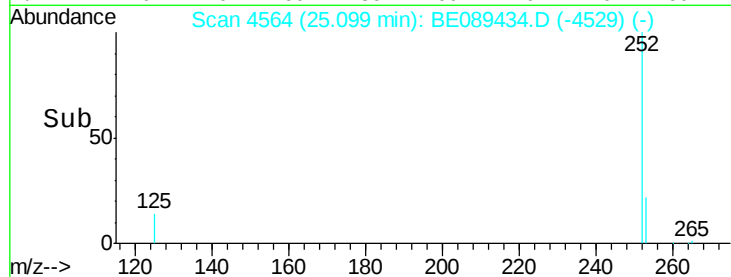
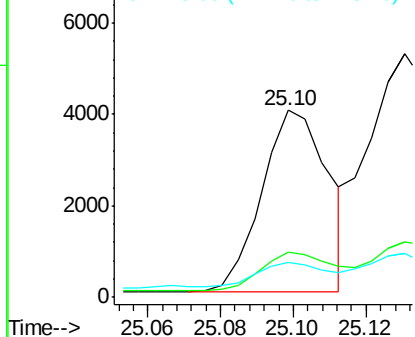
252 100

253 24.2 17.0 25.6

125 18.5 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: 0.22 ng

RT: 25.13 min Scan# 4571

Delta R.T. -0.00 min

Lab File: BE089434.D

Acq: 30 Jan 2015 6:11

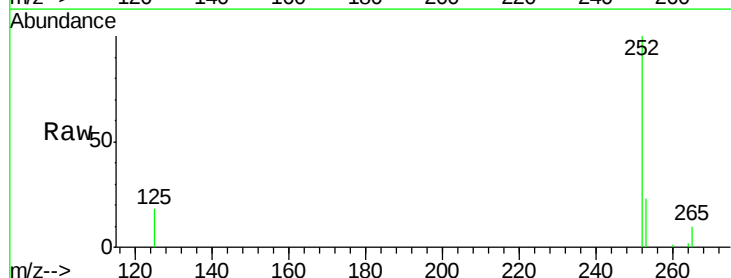
Tgt Ion:252 Resp: 11964

Ion Ratio Lower Upper

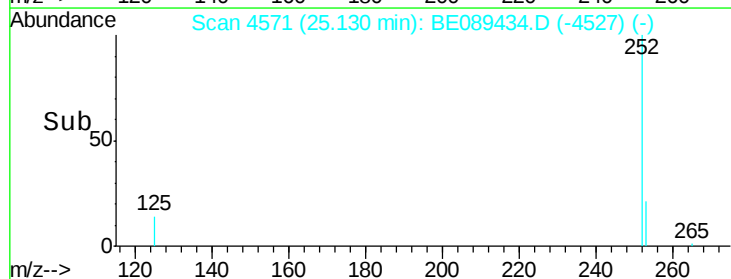
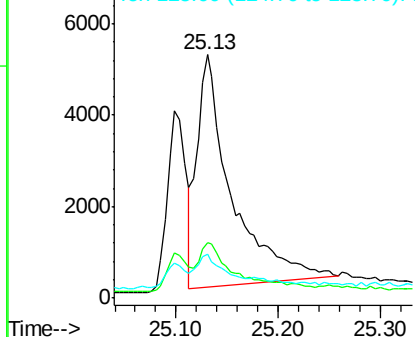
252 100

253 22.8 17.4 26.2

125 18.3 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: 0.19 ng

RT: 25.48 min Scan# 4648

Delta R.T. -0.01 min

Lab File: BE089434.D

Acq: 30 Jan 2015 6:11

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

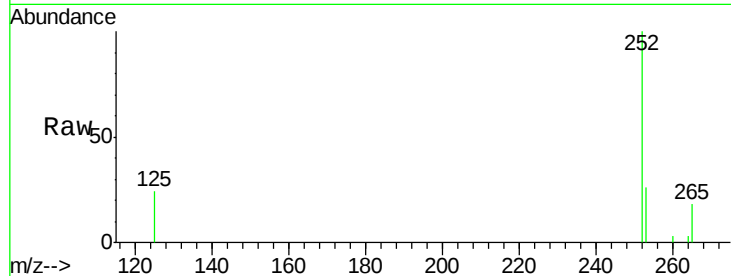
Tgt Ion:252 Resp: 6277

Ion Ratio Lower Upper

252 100

253 25.5 17.3 25.9

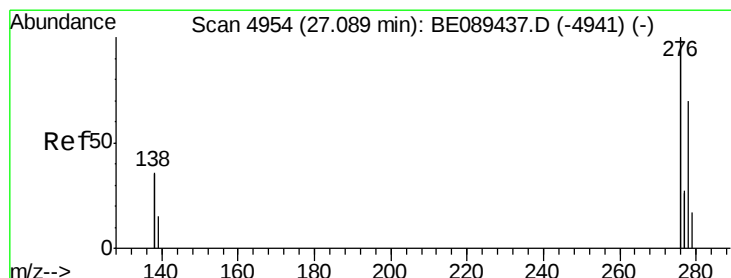
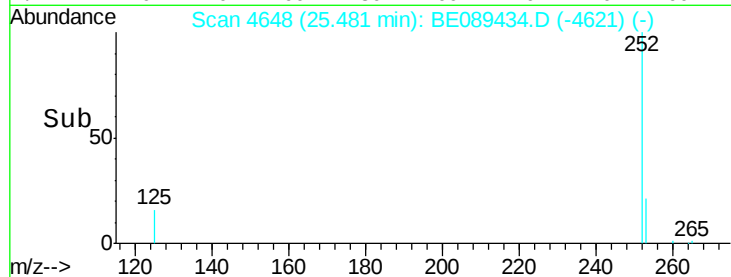
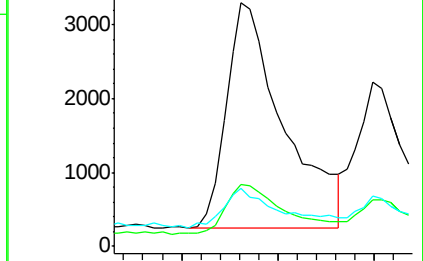
125 23.7 12.0 18.0#



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: 0.20 ng

RT: 27.09 min Scan# 4952

Delta R.T. -0.00 min

Lab File: BE089434.D

Acq: 30 Jan 2015 6:11

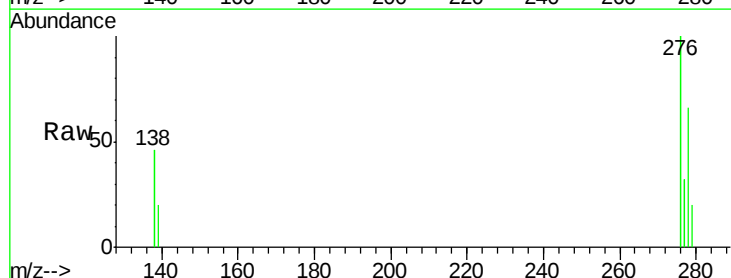
Tgt Ion:278 Resp: 5328

Ion Ratio Lower Upper

278 100

139 29.8 17.0 25.4#

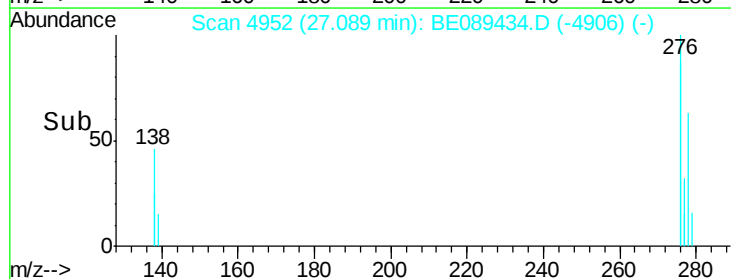
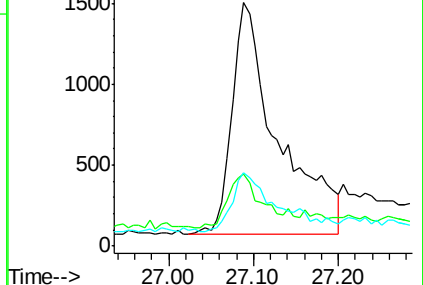
279 29.9 19.1 28.7#



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: 0.25 ng

RT: 27.51 min Scan# 5016

Delta R.T. -0.00 min

Lab File: BE089434.D

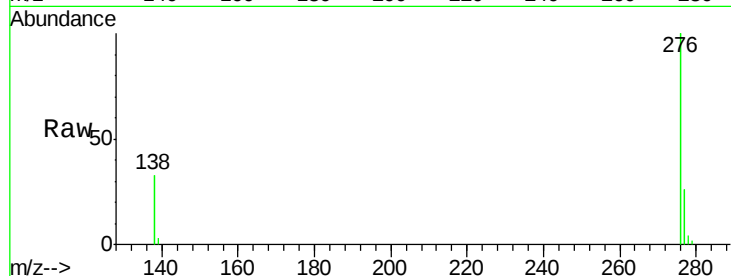
Acq: 30 Jan 2015 6:11

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2



Tgt Ion: 276 Resp: 38558

Ion Ratio Lower Upper

276 100

277 25.6 18.4 27.6

138 33.1 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

