

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021815\
 Data File : BE089609.D
 Acq On : 18 Feb 2015 00:55
 Operator : TP/IZ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Quant Time: Feb 18 15:27:16 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE021815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 18 05:28:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	44210	5.00	ng	0.00
4) Naphthalene-d8	12.25	136	178973	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	87193	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	170015	5.00	ng	0.00
19) Chrysene-d12	23.66	240	162241	5.00	ng	0.00
25) Perylene-d12	25.34	264	142470	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	10.61	82	716	0.09	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	2455	0.09	ng	0.00
21) Terphenyl-d14	22.30	244	2401	0.08	ng	0.00

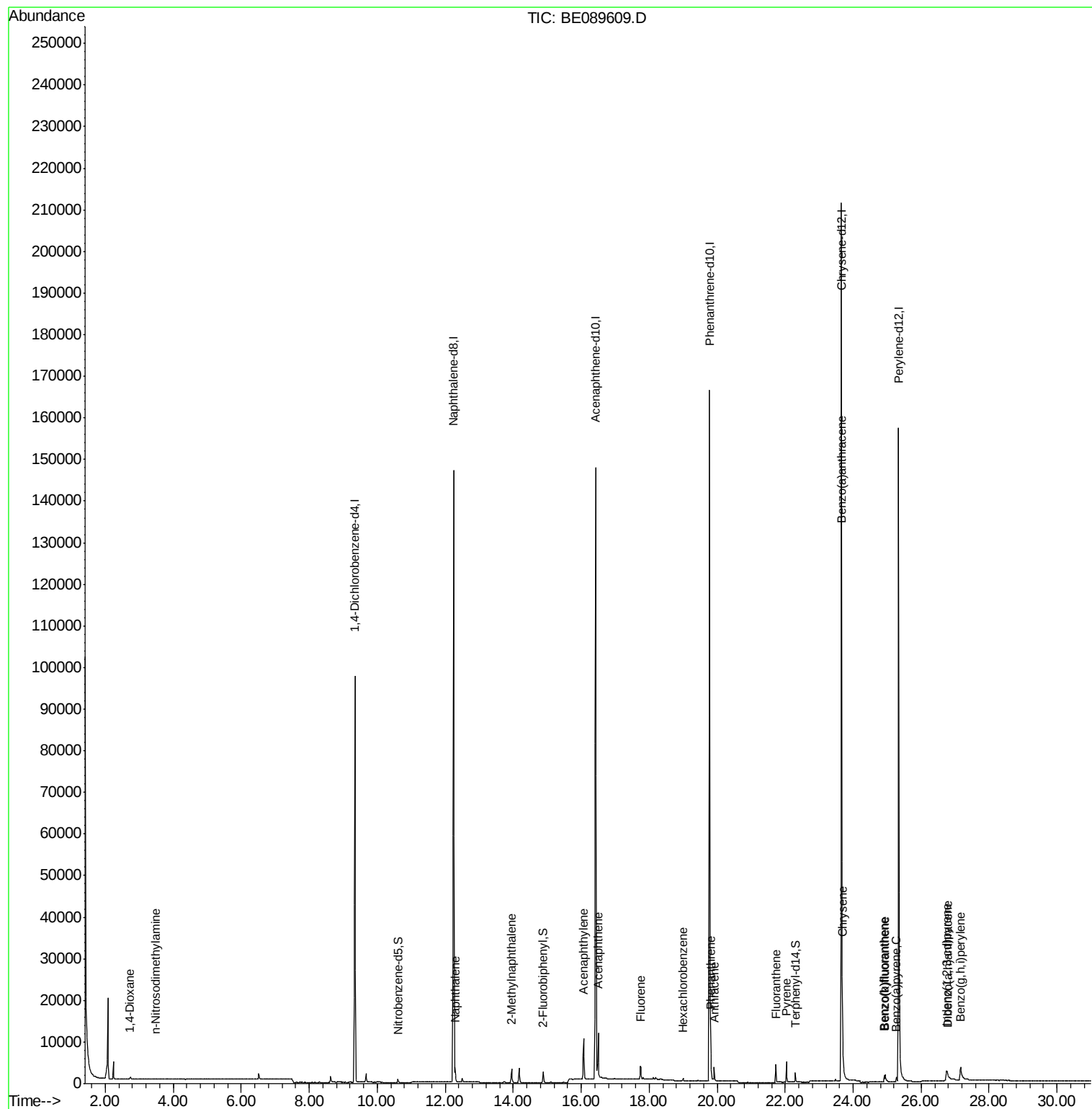
Target Compounds						Qvalue
2) 1,4-Dioxane	2.73	88	556	0.10	ng	97
3) n-Nitrosodimethylamine	3.50	42	373	0.07	ng	# 77
6) Naphthalene	12.30	128	4325	0.10	ng	97
7) 2-Methylnaphthalene	13.95	142	2468	0.09	ng	99
10) Acenaphthylene	16.07	152	13413	0.08	ng	100
11) Acenaphthene	16.50	154	2334	0.09	ng	90
12) Fluorene	17.74	166	2600	0.09	ng	99
14) Hexachlorobenzene	19.00	284	774	0.09	ng	92
16) Phenanthrene	19.82	178	4426	0.09	ng	98
17) Anthracene	19.91	178	3214	0.08	ng	99
18) Fluoranthene	21.72	202	3510	0.08	ng	100
20) Pyrene	22.04	202	3855	0.08	ng	100
22) Benzo(a)anthracene	23.64	228	14049	0.09	ng	97
23) Chrysene	23.69	228	17284	0.09	ng	97
24) Indeno(1,2,3-cd)pyrene	26.75	276	7243	0.05	ng	96
26) Benzo(b)fluoranthene	24.91	252	1531	0.05	ng	# 91
27) Benzo(k)fluoranthene	24.94	252	3204	0.07	ng	# 92
28) Benzo(a)pyrene	25.27	252	1528	0.06	ng	# 89
29) Dibenzo(a,h)anthracene	26.77	278	1429	0.05	ng	# 80
30) Benzo(g,h,i)perylene	27.17	276	8395	0.06	ng	# 88

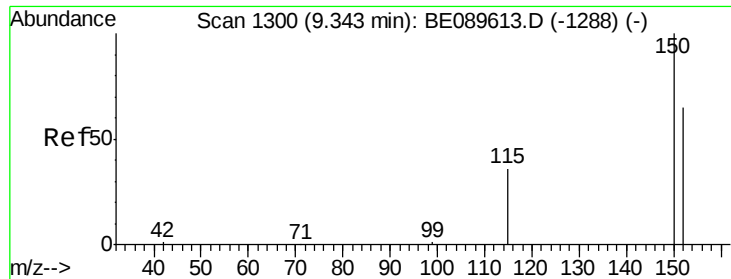
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

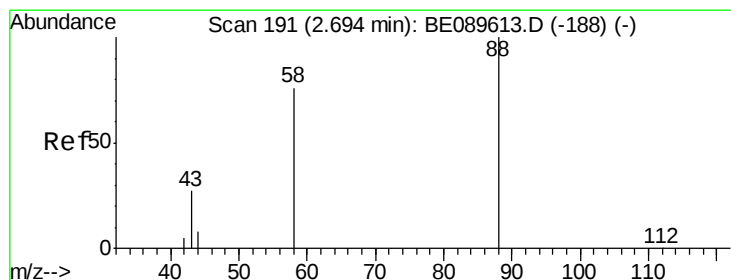
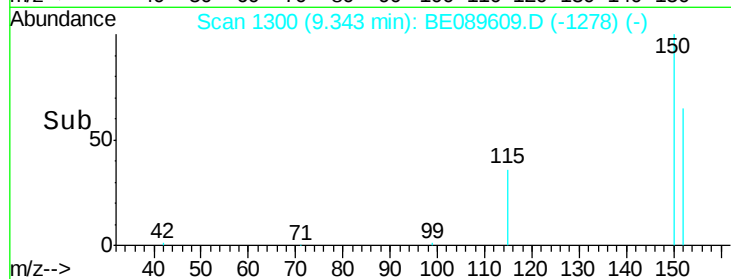
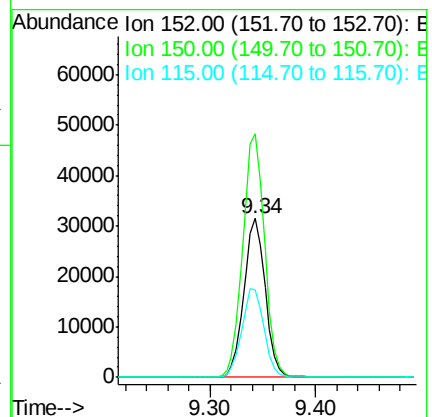
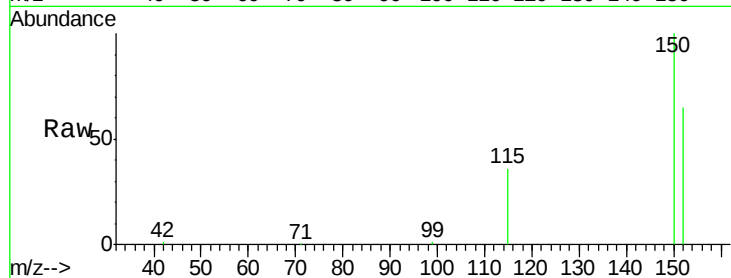
Tgt Ion: 152 Resp: 44210

Ion Ratio Lower Upper

152 100

150 153.5 122.4 183.6

115 55.2 44.2 66.2



#2

1,4-Dioxane

Concen: 0.10 ng

RT: 2.73 min Scan# 196

Delta R.T. 0.03 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

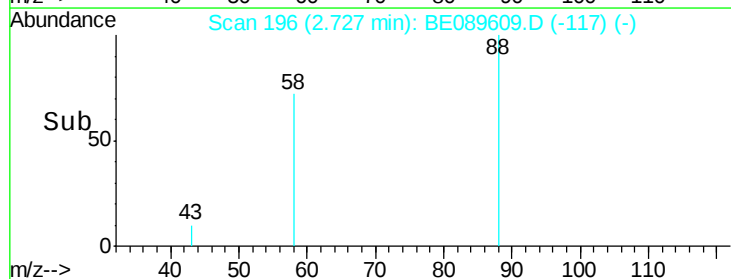
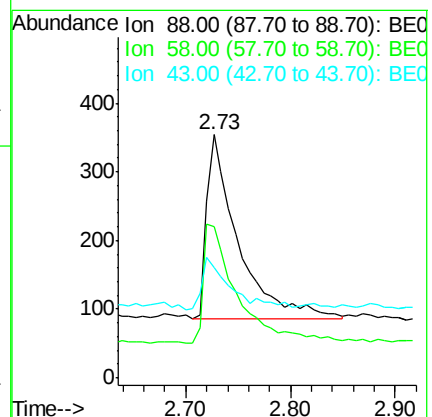
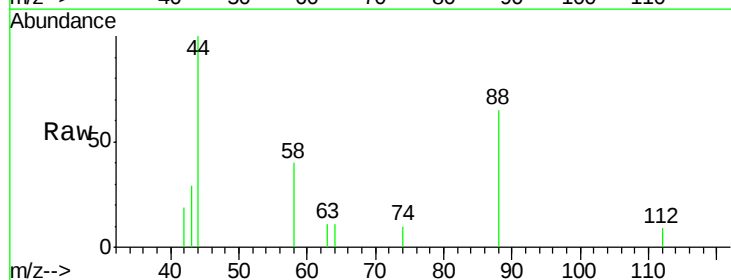
Tgt Ion: 88 Resp: 556

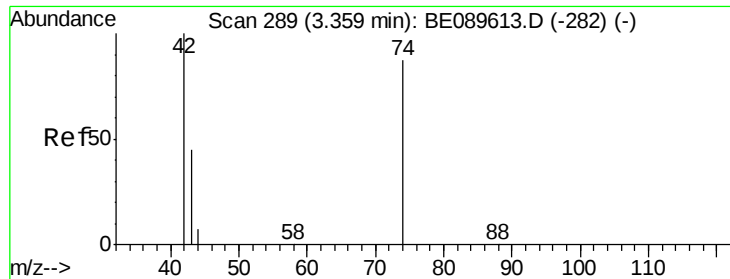
Ion Ratio Lower Upper

88 100

58 70.3 54.6 81.8

43 27.0 20.6 30.8





#3

n-Nitrosodimethylamine

Concen: 0.07 ng

RT: 3.50 min Scan# 310

Delta R.T. 0.14 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

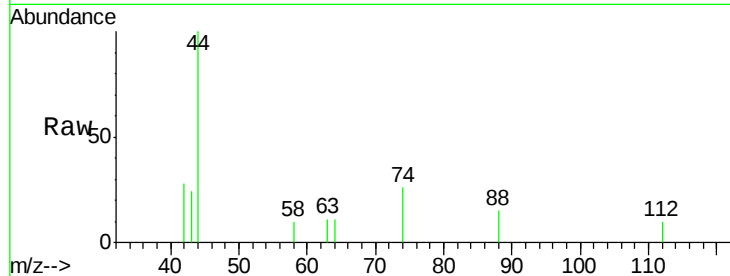
Tgt Ion: 42 Resp: 373

Ion Ratio Lower Upper

42 100

74 181.5 121.4 182.0

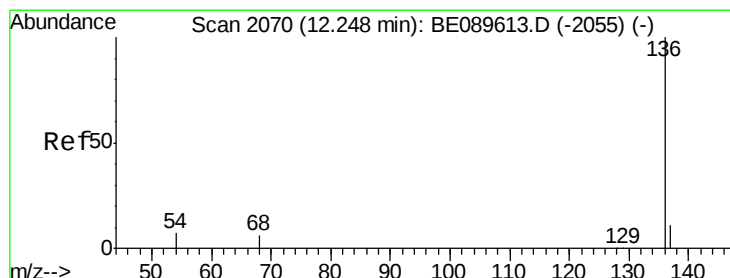
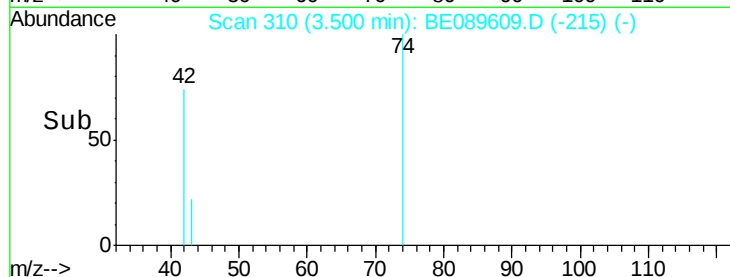
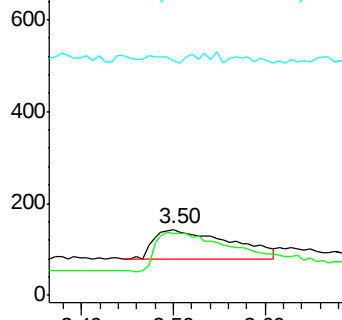
44 0.0 4.5 6.7#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 12.25 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

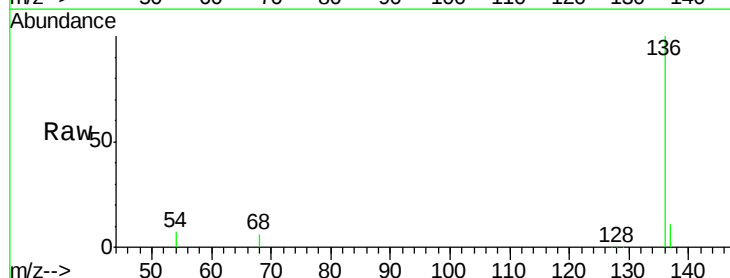
Tgt Ion: 136 Resp: 178973

Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

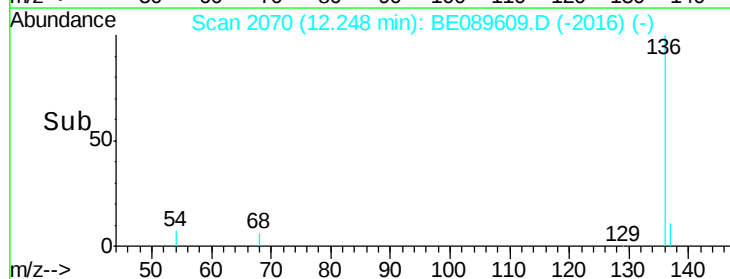
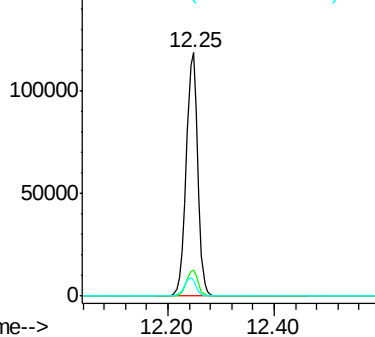
54 6.7 5.3 7.9

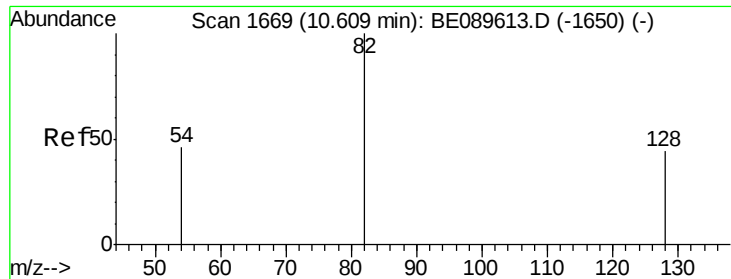


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 0.09 ng

RT: 10.61 min Scan# 1670

Delta R.T. 0.00 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

Instrument :

BNA_E

LabSampleId :

SSTDICC0.1

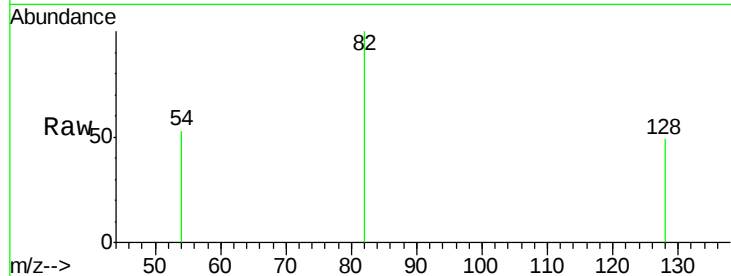
Tgt Ion: 82 Resp: 716

Ion Ratio Lower Upper

82 100

128 49.3 35.5 53.3

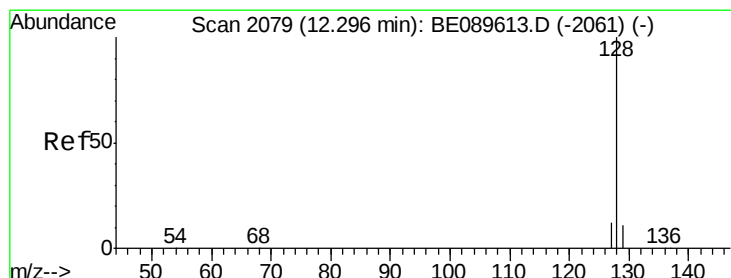
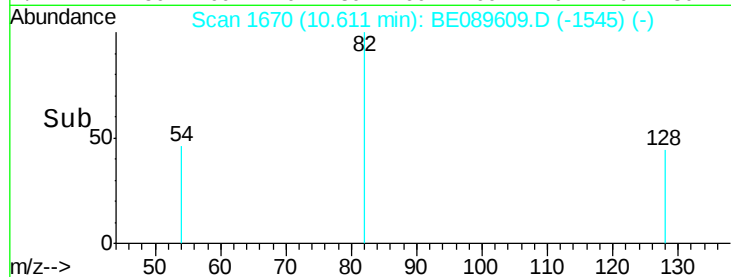
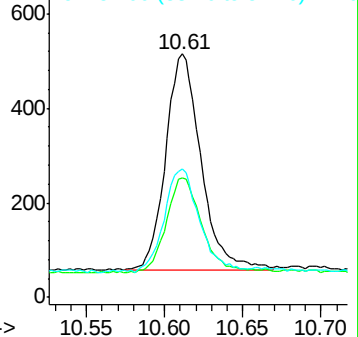
54 52.8 37.5 56.3



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



#6

Naphthalene

Concen: 0.10 ng

RT: 12.30 min Scan# 2079

Delta R.T. 0.00 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

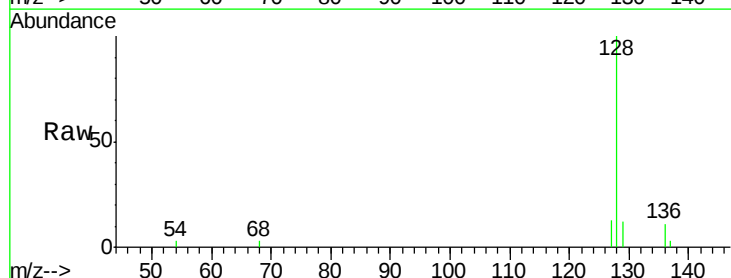
Tgt Ion: 128 Resp: 4325

Ion Ratio Lower Upper

128 100

129 12.5 8.9 13.3

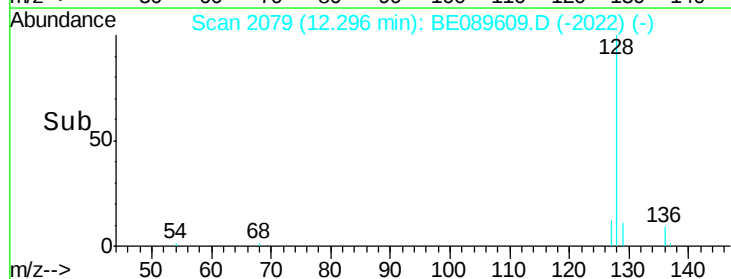
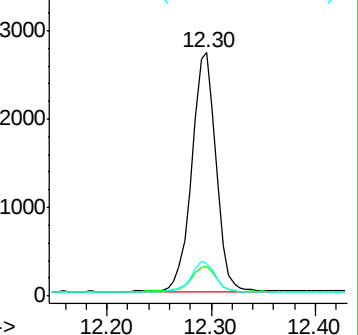
127 13.4 9.8 14.8



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





#7

2-Methylnaphthalene

Concen: 0.09 ng

RT: 13.95 min Scan# 2418

Delta R.T. 0.00 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

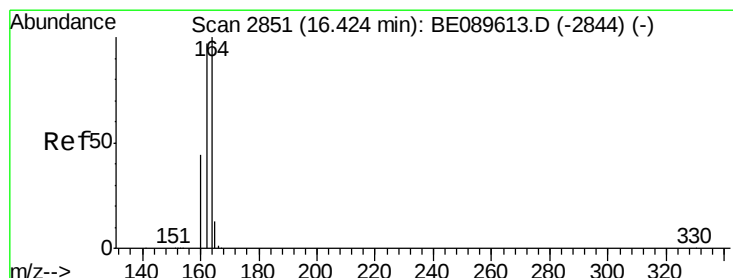
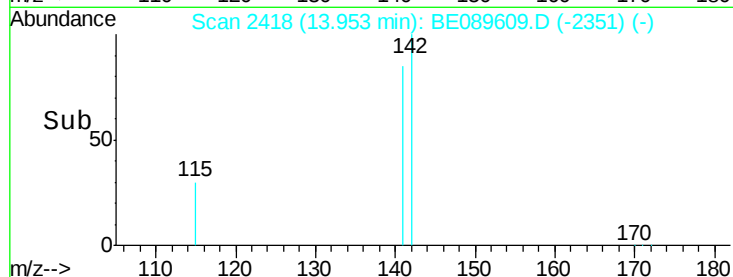
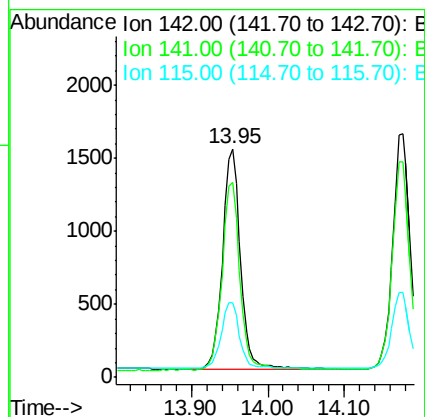
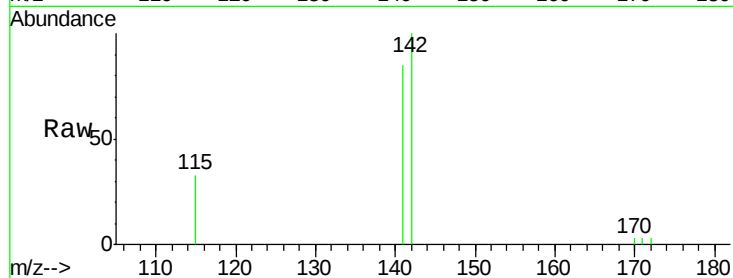
Tgt Ion:142 Resp: 2468

Ion Ratio Lower Upper

142 100

141 85.3 68.3 102.5

115 32.8 25.1 37.7



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.42 min Scan# 2851

Delta R.T. 0.00 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

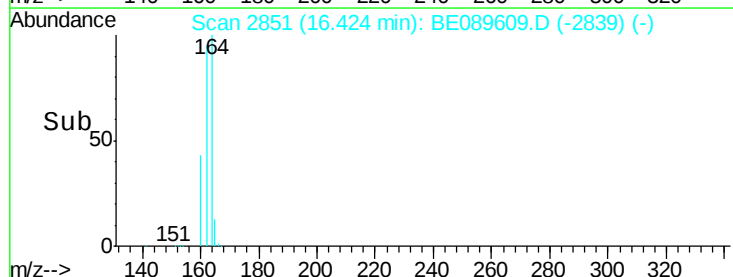
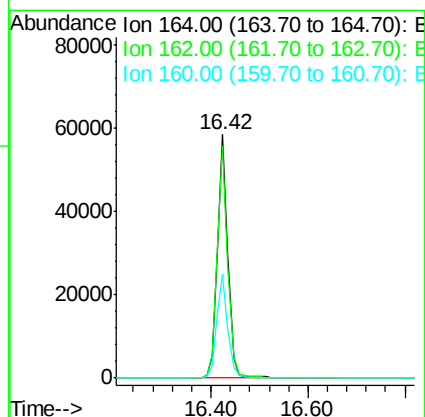
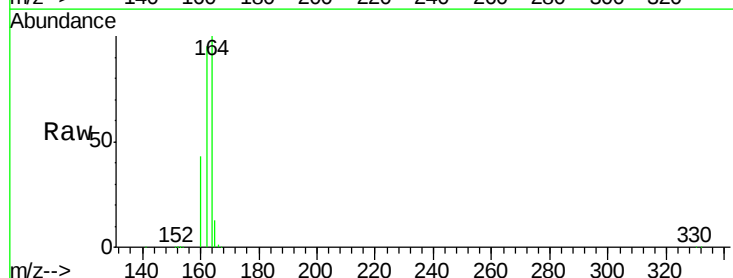
Tgt Ion:164 Resp: 87193

Ion Ratio Lower Upper

164 100

162 95.3 77.5 116.3

160 42.9 35.5 53.3





#9

2-Fluorobiphenyl

Concen: 0.09 ng

RT: 14.88 min Scan# 2622

Delta R.T. -0.00 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

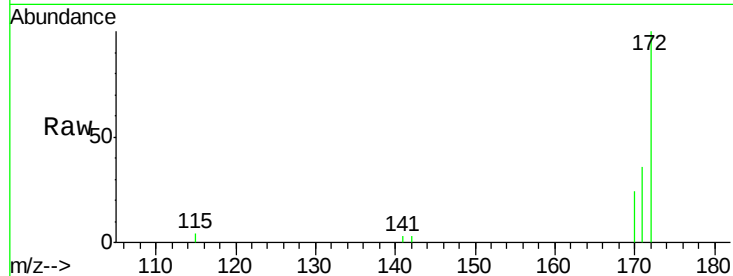
Tgt Ion:172 Resp: 2455

Ion Ratio Lower Upper

172 100

171 35.5 26.9 40.3

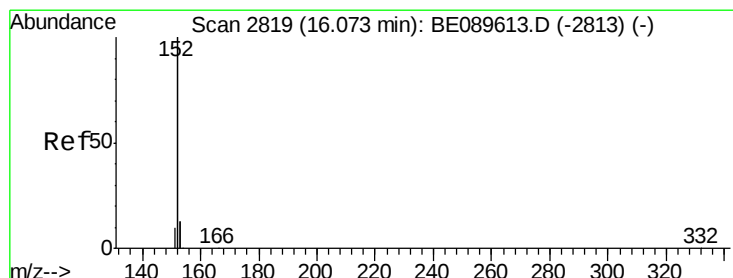
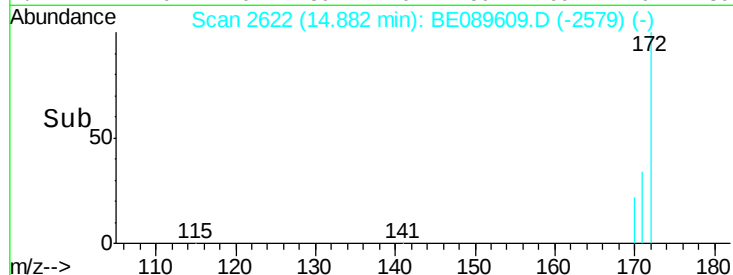
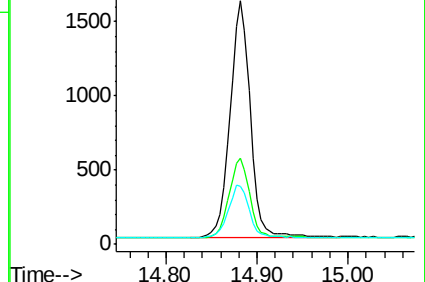
170 23.9 17.4 26.0



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



#10

Acenaphthylene

Concen: 0.08 ng

RT: 16.07 min Scan# 2819

Delta R.T. 0.00 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

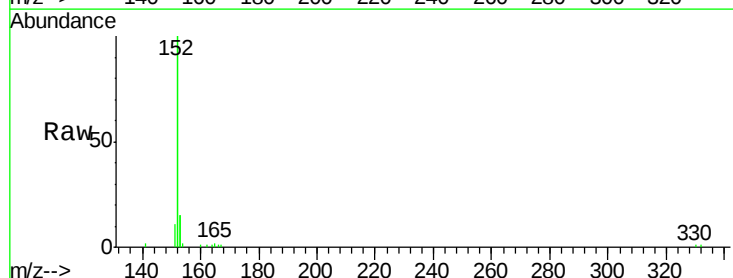
Tgt Ion:152 Resp: 13413

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

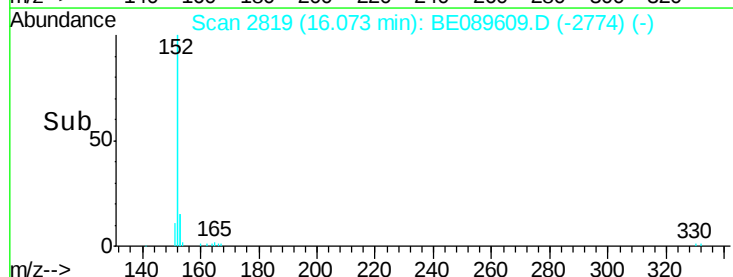
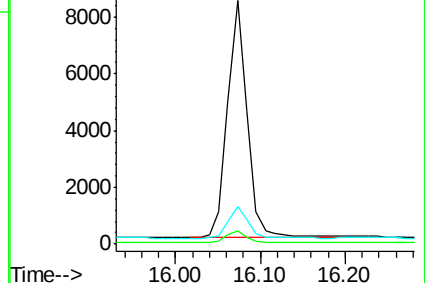
153 13.0 10.5 15.7

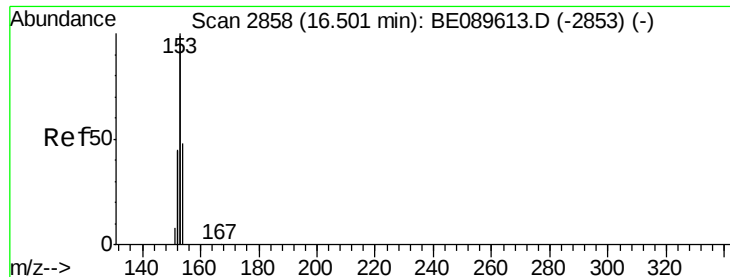


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 0.09 ng

RT: 16.50 min Scan# 2858

Delta R.T. 0.00 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

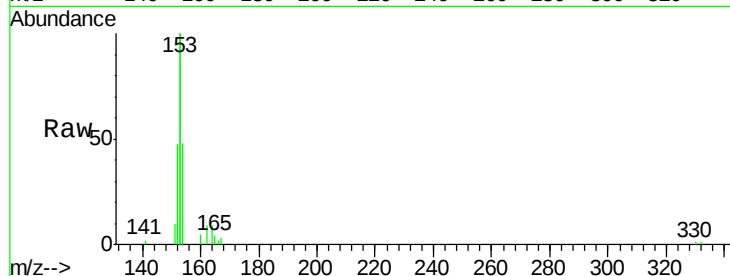
Tgt Ion:154 Resp: 2334

Ion Ratio Lower Upper

154 100

153 452.8 348.9 523.3

152 233.5 166.6 249.8

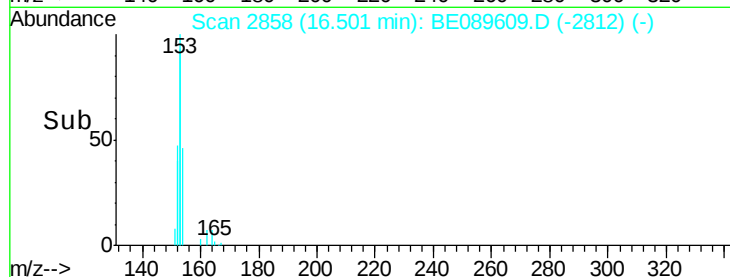


Abundance Ion 154.00 (153.70 to 154.70): E

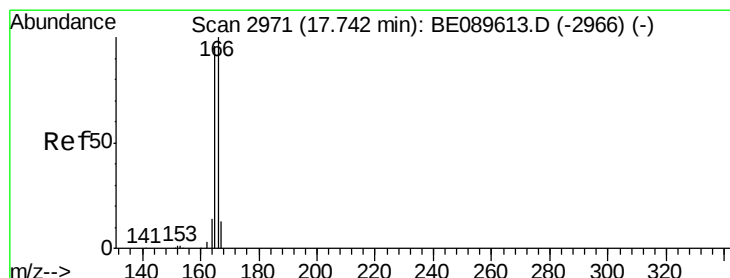
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->



Time-->



#12

Fluorene

Concen: 0.09 ng

RT: 17.74 min Scan# 2971

Delta R.T. 0.00 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

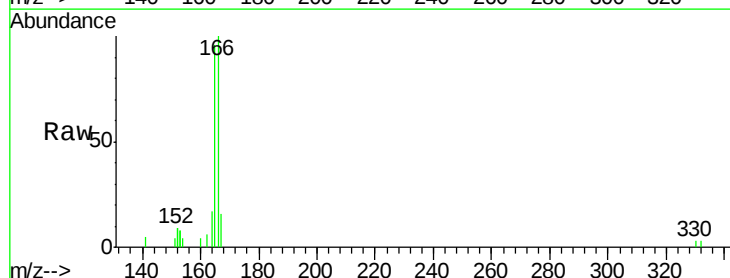
Tgt Ion:166 Resp: 2600

Ion Ratio Lower Upper

166 100

165 92.5 74.7 112.1

167 14.1 10.5 15.7

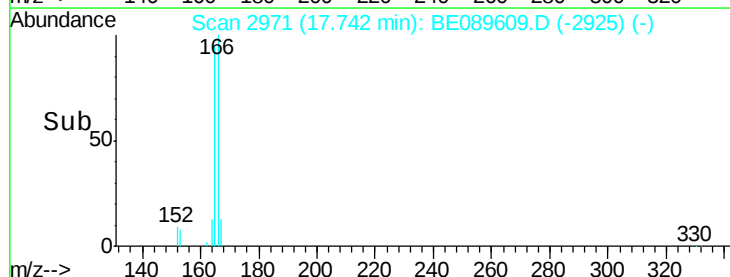


Abundance Ion 166.00 (165.70 to 166.70): E

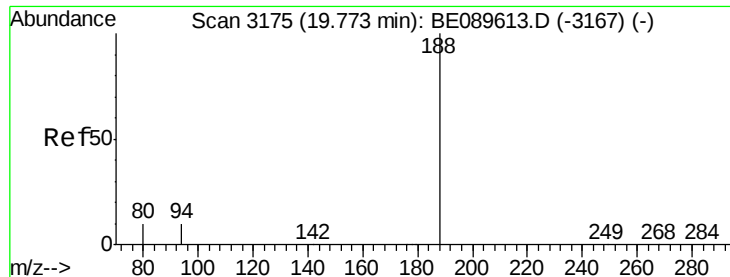
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->



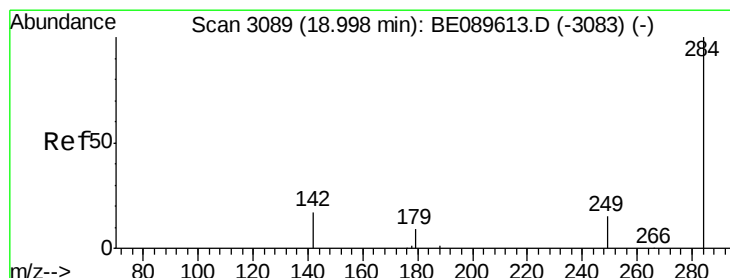
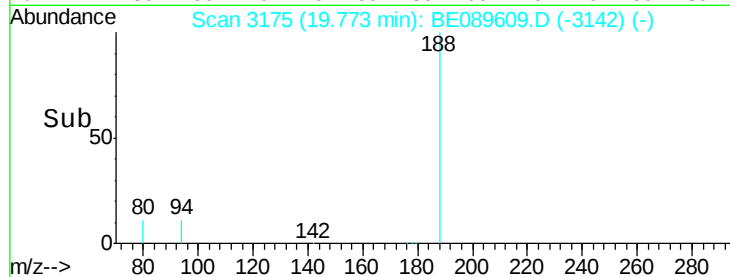
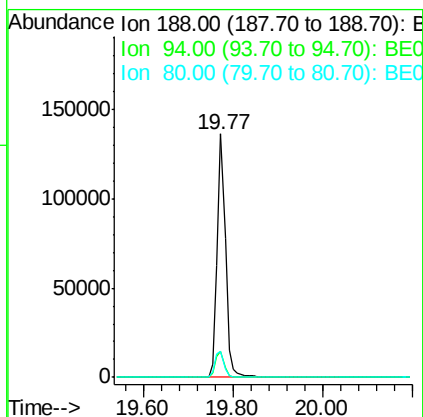
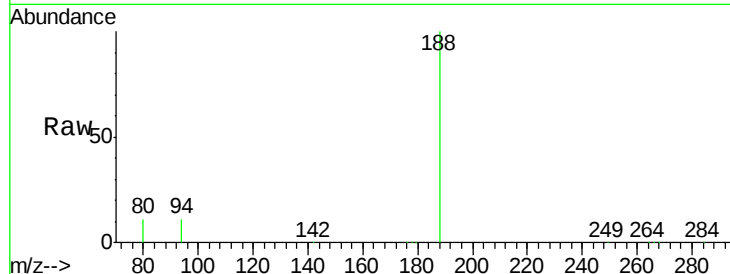
Time-->



#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3175
Delta R.T. 0.00 min
Lab File: BE089609.D
Acq: 18 Feb 2015 00:55

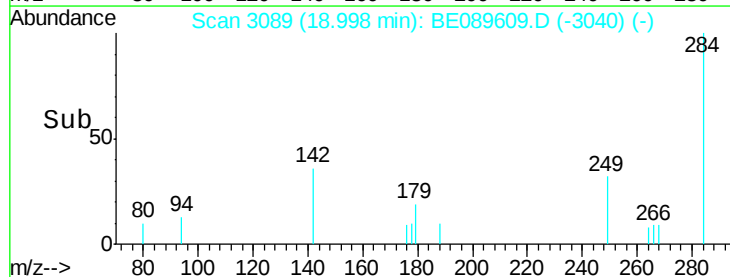
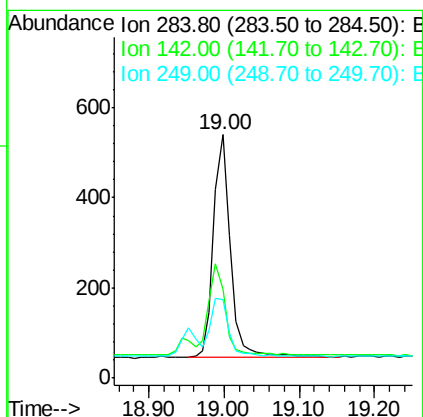
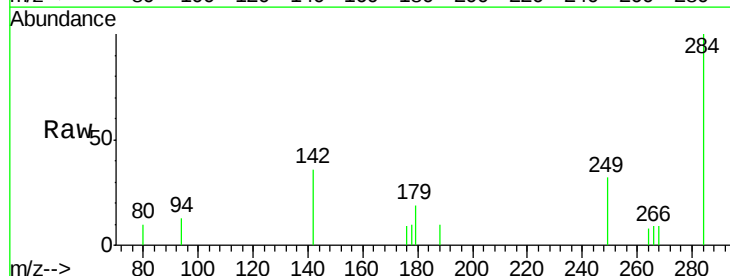
Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

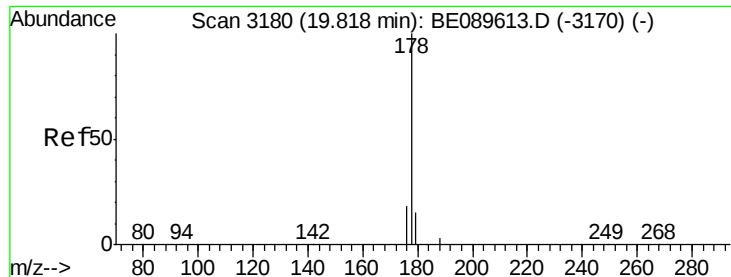
Tgt Ion:188 Resp: 170015
Ion Ratio Lower Upper
188 100
94 10.7 8.2 12.4
80 10.8 8.1 12.1



#14
Hexachlorobenzene
Concen: 0.09 ng
RT: 19.00 min Scan# 3089
Delta R.T. 0.00 min
Lab File: BE089609.D
Acq: 18 Feb 2015 00:55

Tgt Ion:284 Resp: 774
Ion Ratio Lower Upper
284 100
142 47.7 32.3 48.5
249 29.8 22.3 33.5





#16

Phenanthrene

Concen: 0.09 ng

RT: 19.82 min Scan# 3180

Delta R.T. 0.00 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

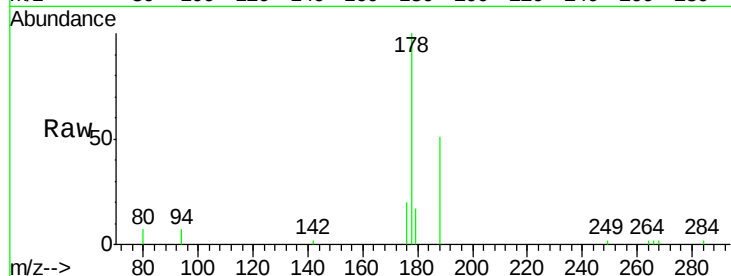
Tgt Ion:178 Resp: 4426

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

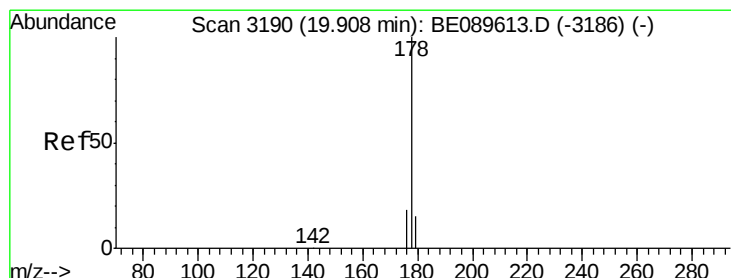
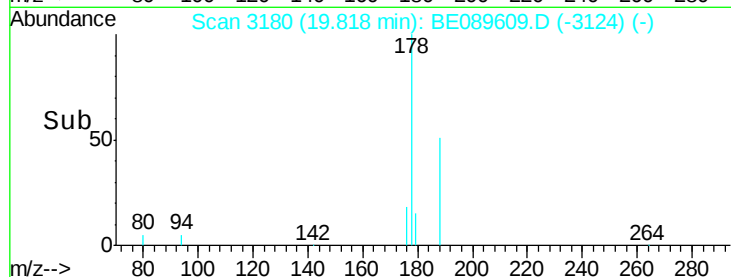
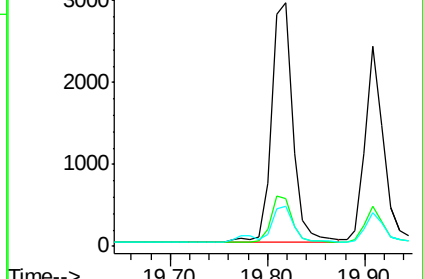
179 17.5 12.3 18.5



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



#17

Anthracene

Concen: 0.08 ng

RT: 19.91 min Scan# 3190

Delta R.T. 0.00 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

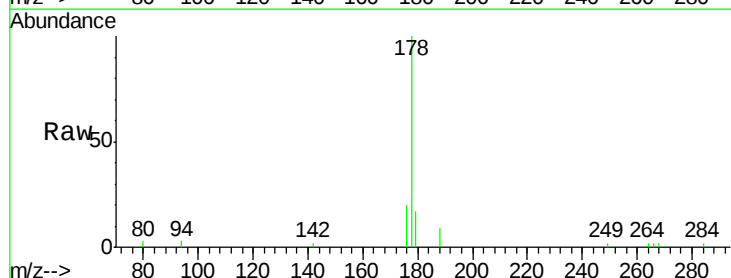
Tgt Ion:178 Resp: 3214

Ion Ratio Lower Upper

178 100

176 18.5 14.6 22.0

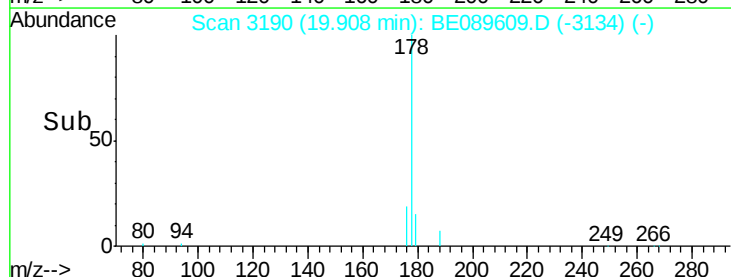
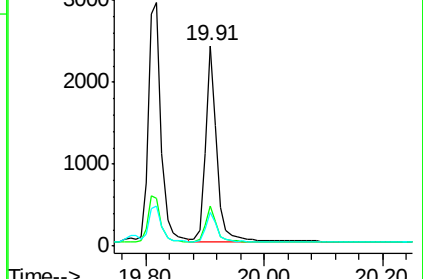
179 14.6 12.3 18.5

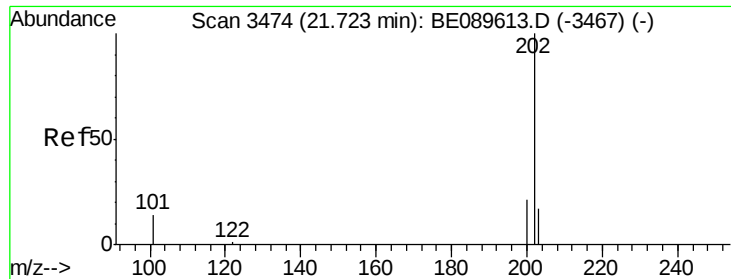


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

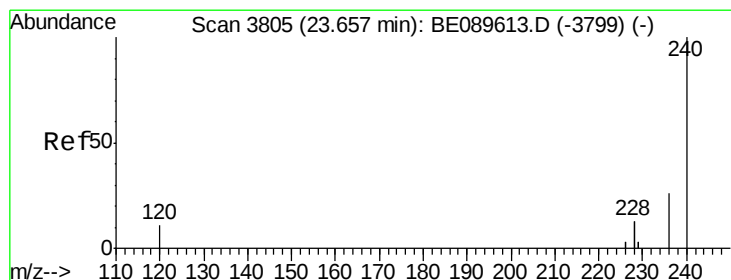
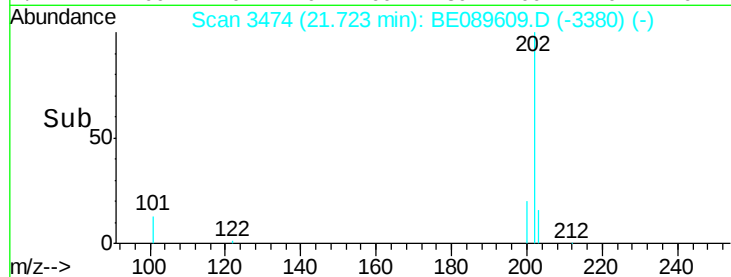
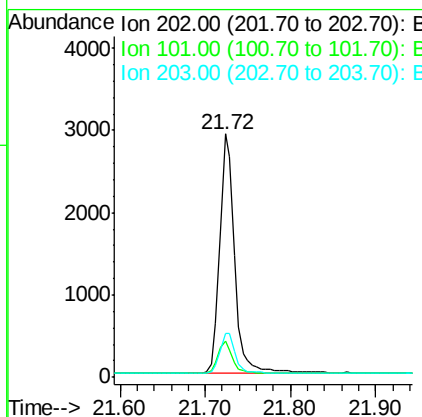
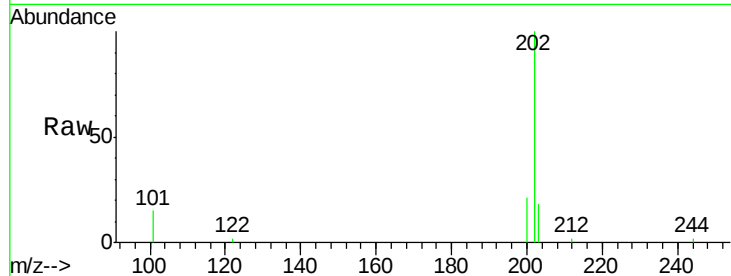




#18
 Fluoranthene
 Concen: 0.08 ng
 RT: 21.72 min Scan# 3474
 Delta R.T. 0.00 min
 Lab File: BE089609.D
 Acq: 18 Feb 2015 00:55

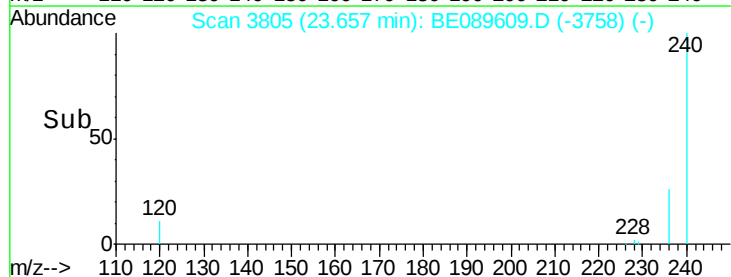
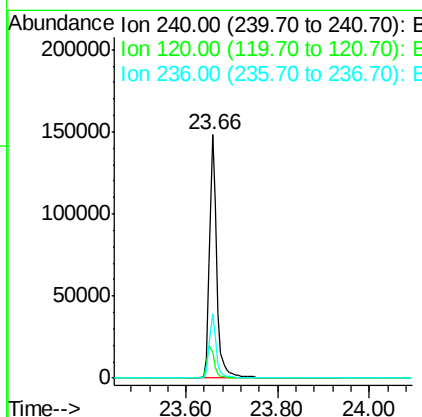
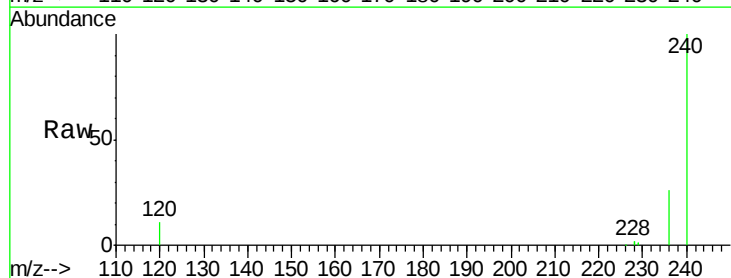
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

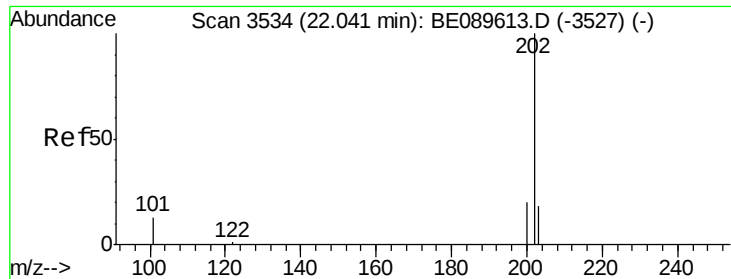
Tgt Ion: 202 Resp: 3510
 Ion Ratio Lower Upper
 202 100
 101 13.2 10.4 15.6
 203 17.3 13.9 20.9



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.66 min Scan# 3805
 Delta R.T. -0.00 min
 Lab File: BE089609.D
 Acq: 18 Feb 2015 00:55

Tgt Ion: 240 Resp: 162241
 Ion Ratio Lower Upper
 240 100
 120 10.9 9.0 13.4
 236 26.4 21.0 31.6





#20

Pyrene

Concen: 0.08 ng

RT: 22.04 min Scan# 3534

Delta R.T. 0.00 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

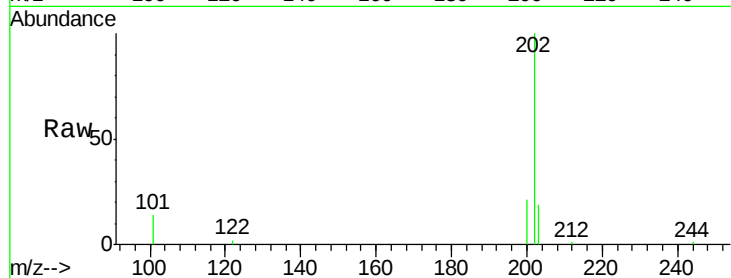
Tgt Ion:202 Resp: 3855

Ion Ratio Lower Upper

202 100

200 20.6 16.3 24.5

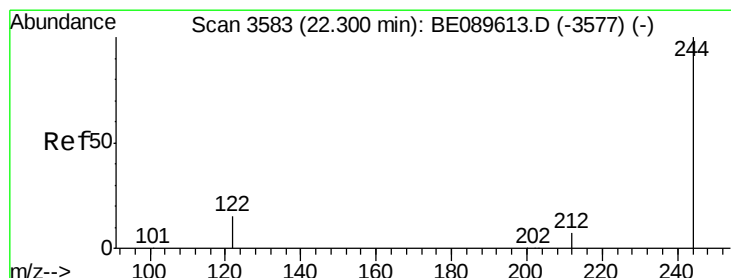
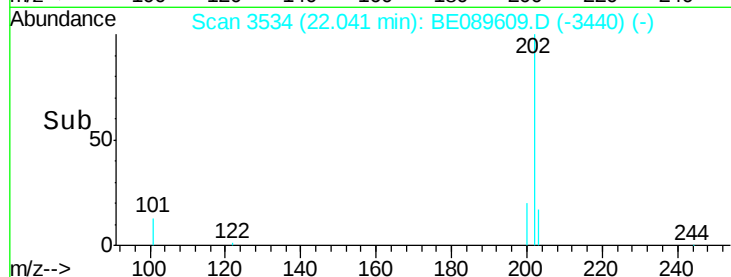
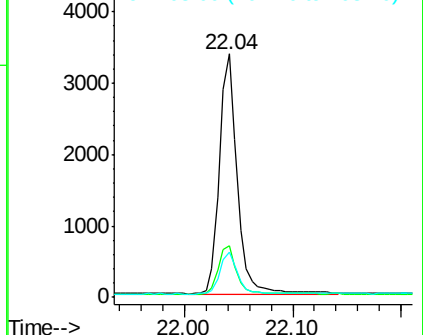
203 17.5 13.8 20.8



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



#21

Terphenyl-d14

Concen: 0.08 ng

RT: 22.30 min Scan# 3583

Delta R.T. 0.00 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

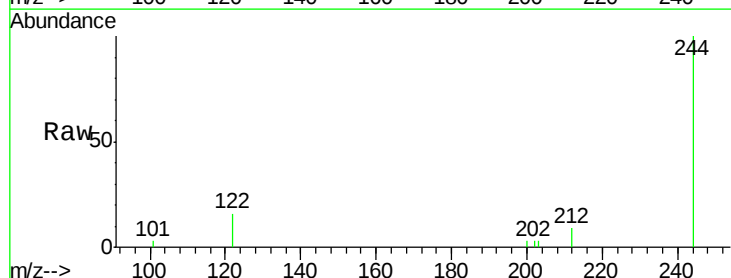
Tgt Ion:244 Resp: 2401

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

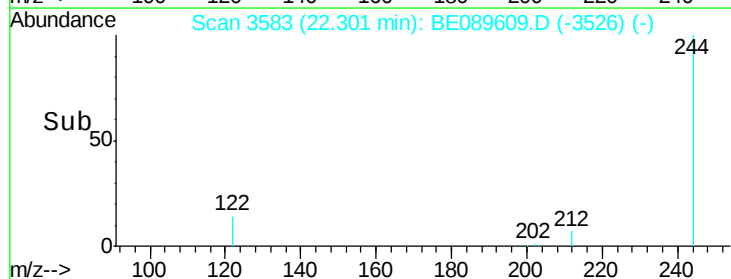
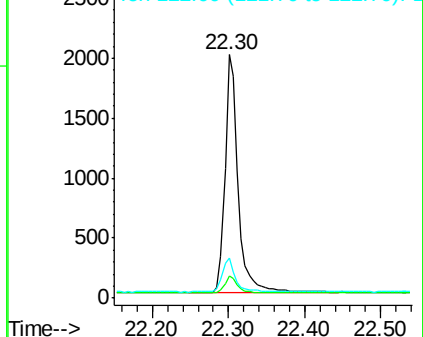
122 16.3 11.8 17.8

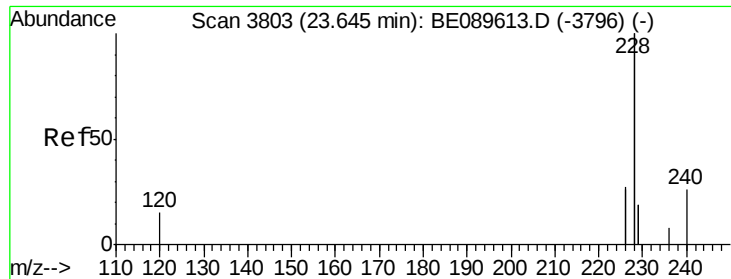


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#22

Benzo(a)anthracene

Concen: 0.09 ng

RT: 23.64 min Scan# 3803

Delta R.T. -0.00 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

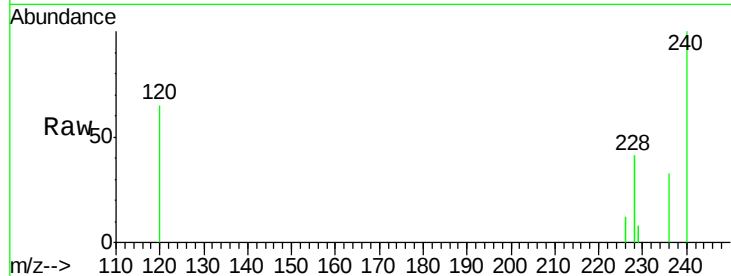
Tgt Ion:228 Resp: 14049

Ion Ratio Lower Upper

228 100

226 28.4 21.2 31.8

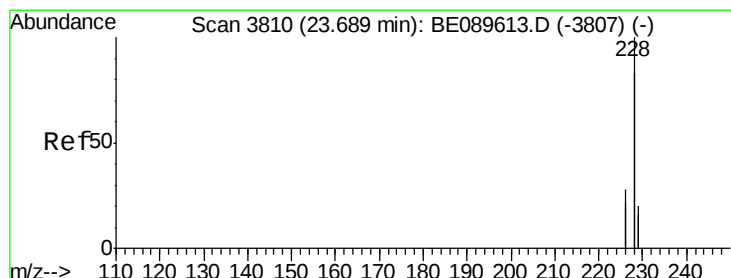
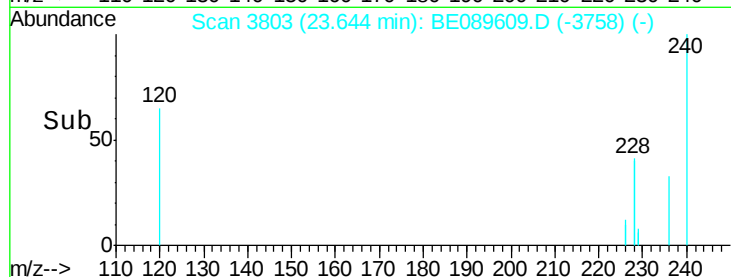
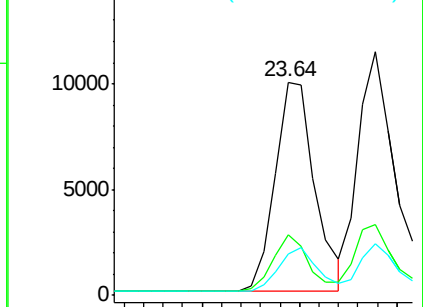
229 19.5 15.2 22.8



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



#23

Chrysene

Concen: 0.09 ng

RT: 23.69 min Scan# 3810

Delta R.T. -0.00 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

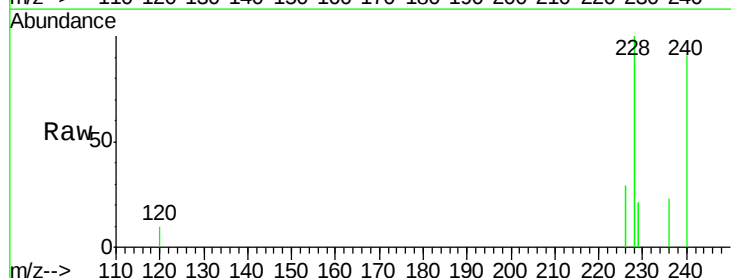
Tgt Ion:228 Resp: 17284

Ion Ratio Lower Upper

228 100

226 29.3 22.2 33.4

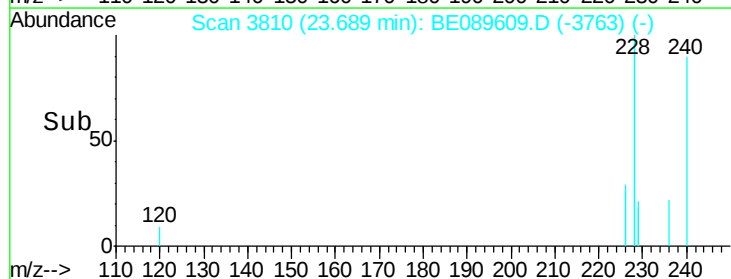
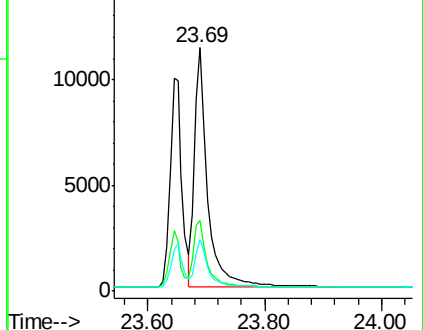
229 21.4 16.0 24.0

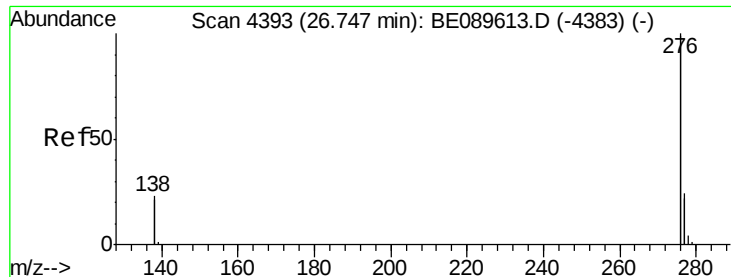


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 26.75 min Scan# 4393

Delta R.T. 0.00 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

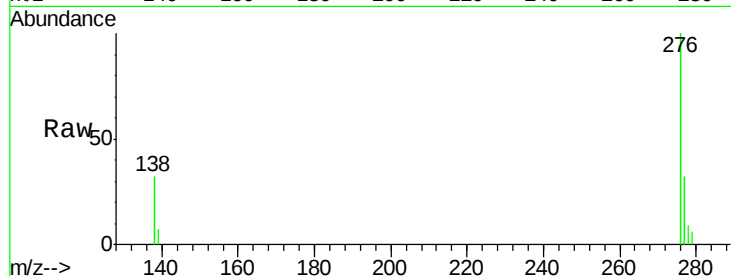
Tgt Ion: 276 Resp: 7243

Ion Ratio Lower Upper

276 100

138 24.1 21.4 32.2

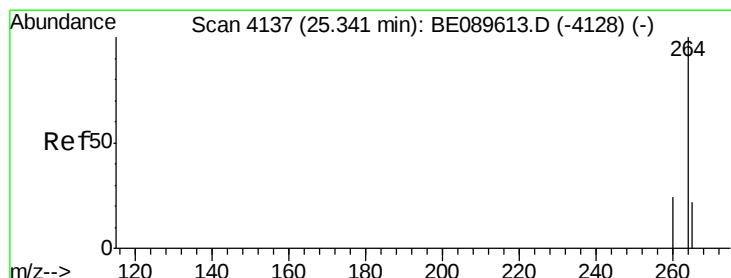
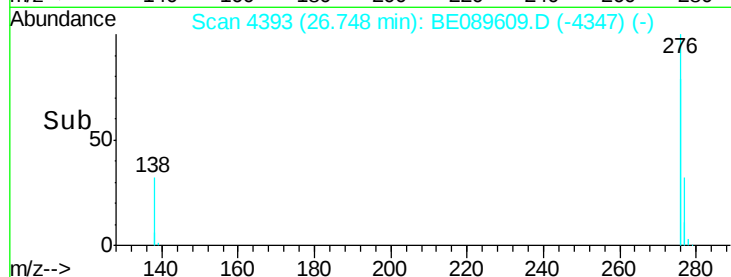
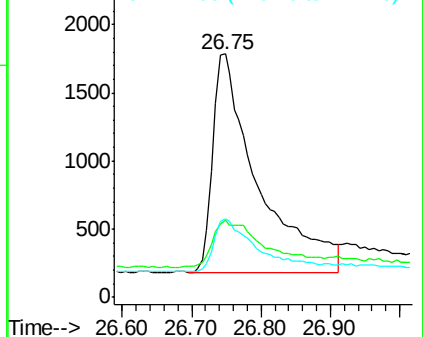
277 23.8 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#25

Perylene-d12

Concen: 5.00 ng

RT: 25.34 min Scan# 4137

Delta R.T. 0.00 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

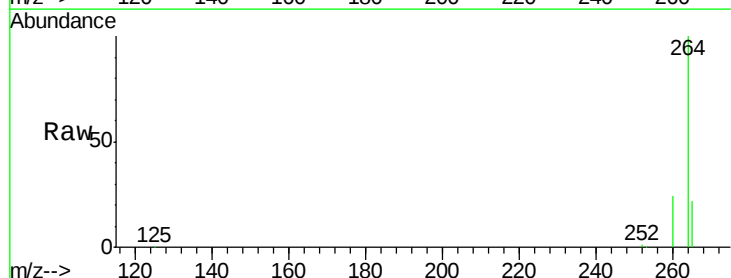
Tgt Ion: 264 Resp: 142470

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

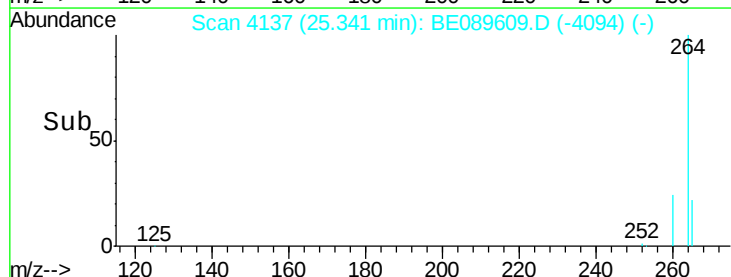
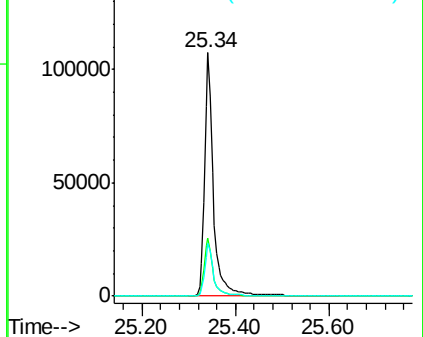
265 21.7 17.4 26.0

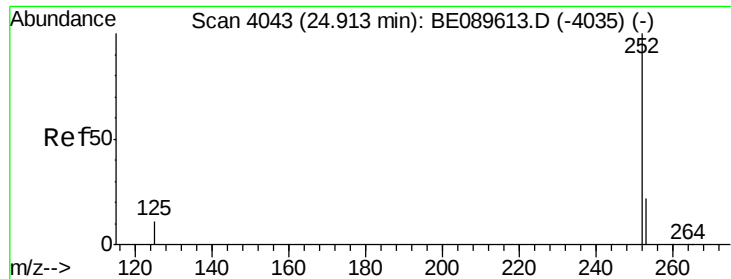


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#26

Benzo(b)fluoranthene

Concen: 0.05 ng

RT: 24.91 min Scan# 4043

Delta R.T. 0.00 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

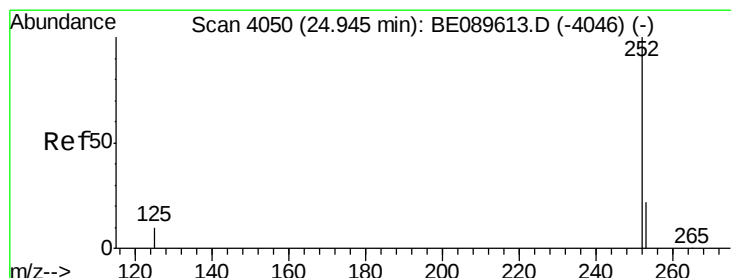
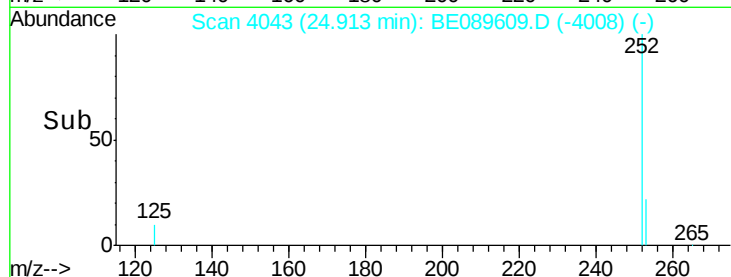
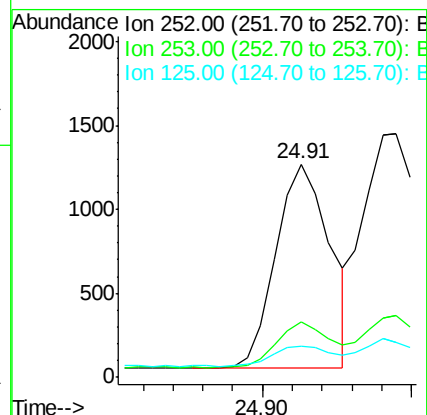
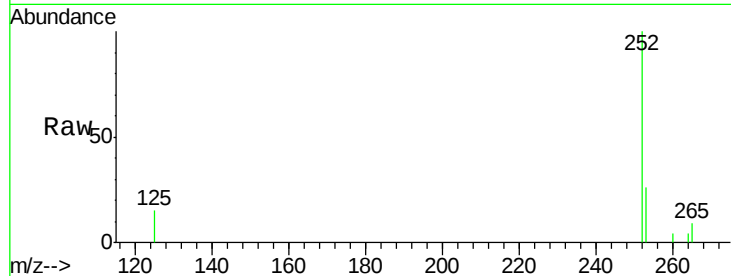
Tgt Ion:252 Resp: 1531

Ion Ratio Lower Upper

252 100

253 25.8 17.6 26.4

125 14.7 8.8 13.2#



#27

Benzo(k)fluoranthene

Concen: 0.07 ng

RT: 24.94 min Scan# 4050

Delta R.T. 0.00 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

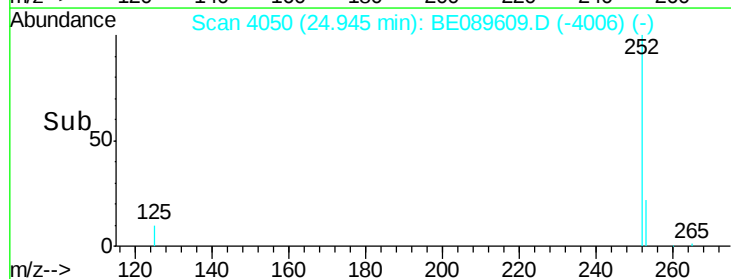
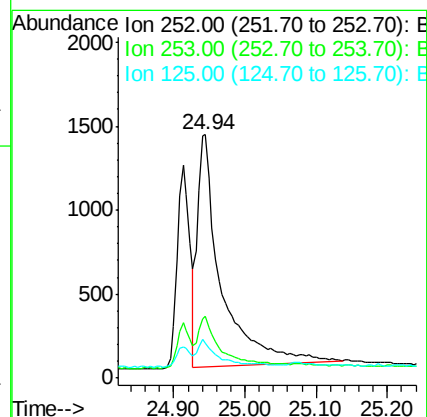
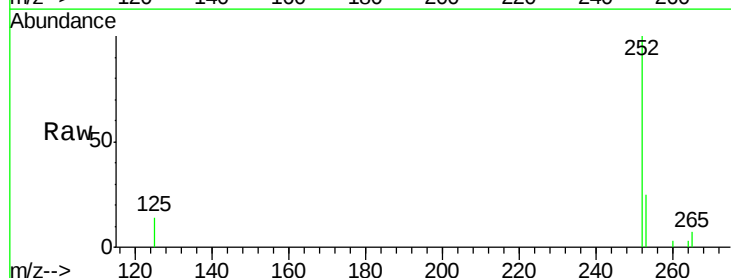
Tgt Ion:252 Resp: 3204

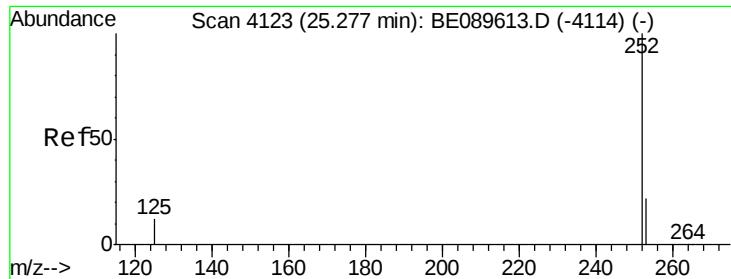
Ion Ratio Lower Upper

252 100

253 25.4 17.7 26.5

125 14.5 8.8 13.2#





#28

Benzo(a)pyrene

Concen: 0.06 ng

RT: 25.27 min Scan# 4122

Delta R.T. -0.00 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

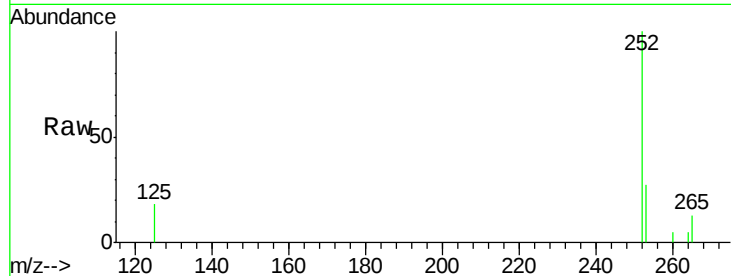
Tgt Ion:252 Resp: 1528

Ion Ratio Lower Upper

252 100

253 26.7 18.1 27.1

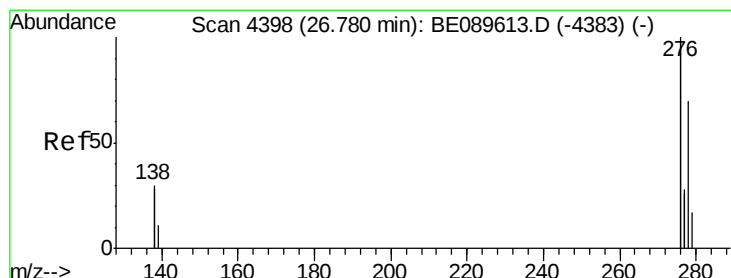
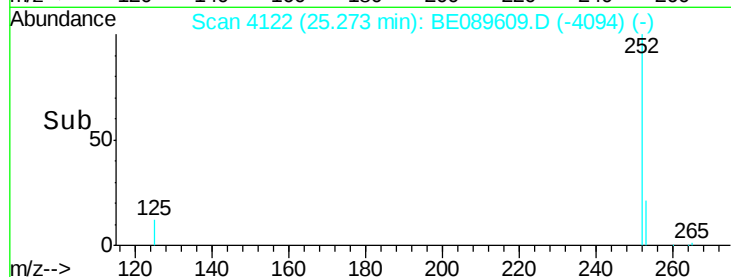
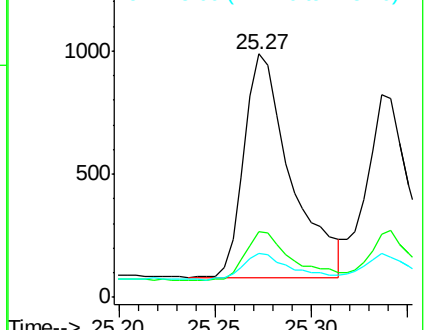
125 18.2 9.6 14.4#



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



#29

Dibenzo(a,h)anthracene

Concen: 0.05 ng

RT: 26.77 min Scan# 4397

Delta R.T. -0.01 min

Lab File: BE089609.D

Acq: 18 Feb 2015 00:55

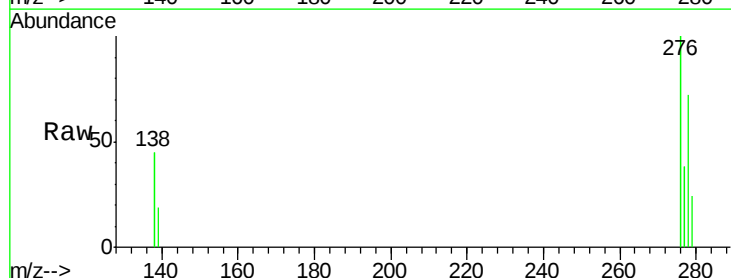
Tgt Ion:278 Resp: 1429

Ion Ratio Lower Upper

278 100

139 26.8 13.7 20.5#

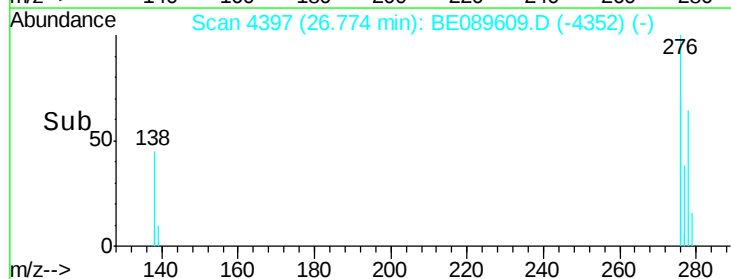
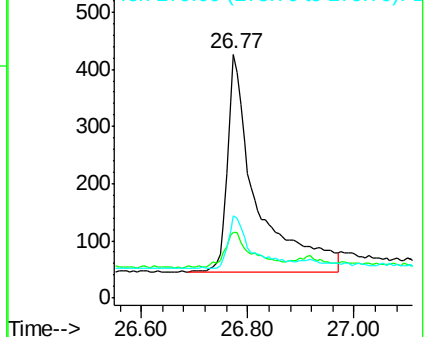
279 33.6 19.7 29.5#

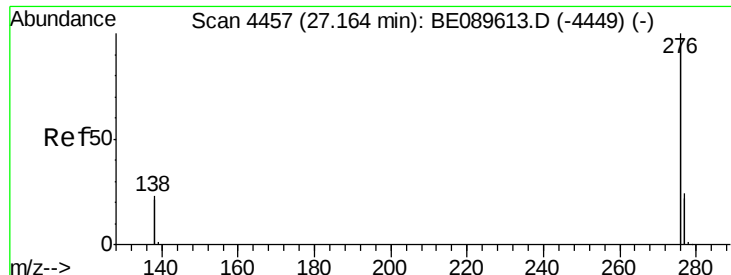


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#30

Benzo(g,h,i)perylene

Concen: 0.06 ng

RT: 27.17 min Scan# 4457

Delta R.T. 0.00 min

Lab File: BE089609.D

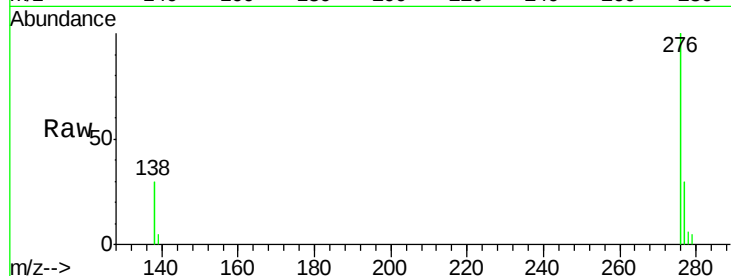
Acq: 18 Feb 2015 00:55

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1



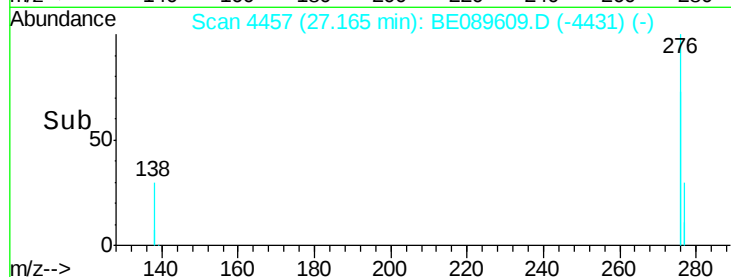
Tgt Ion: 276 Resp: 8395

Ion Ratio Lower Upper

276 100

277 29.7 19.1 28.7#

138 29.7 18.7 28.1#



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

