

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021015\
 Data File : BE089561.D
 Acq On : 10 Feb 2015 23:00
 Operator : TP/IZ
 Sample : MDL-BLK-W
 Misc : MDL-BLK-WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-BLK-W

Quant Time: Feb 11 02:34:16 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE021015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 11 01:27:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.42	152	73156	5.00	ng	0.00
2) Naphthalene-d8	12.32	136	279703	5.00	ng	0.00
6) Acenaphthene-d10	16.50	164	131820	5.00	ng	0.00
11) Phenanthrene-d10	19.84	188	235928	5.00	ng	0.00
16) Chrysene-d12	23.71	240	273492	5.00	ng	0.00
22) Perylene-d12	25.40	264	279435	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.68	82	151456	8.45	ng	0.00
7) 2-Fluorobiphenyl	14.96	172	225768	6.32	ng	0.00
18) Terphenyl-d14	22.36	244	284363	8.35	ng	0.00

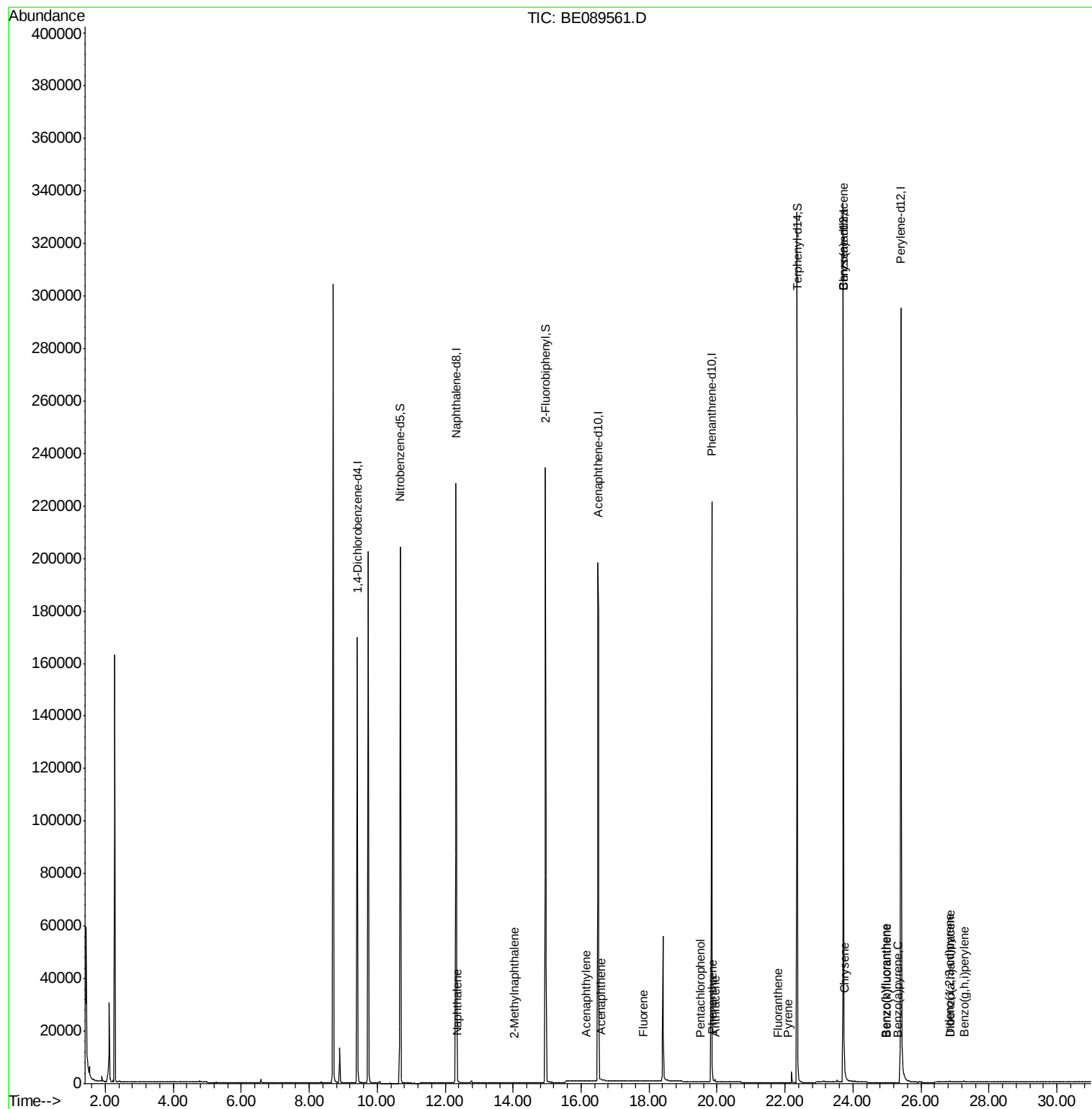
Target Compounds						Qvalue
4) Naphthalene	12.37	128	127	0.00	ng	# 13
5) 2-Methylnaphthalene	14.03	142	28	0.00	ng	# 69
8) Acenaphthylene	16.16	152	220	0.00	ng	# 42
9) Acenaphthene	16.58	154	67	0.00	ng	# 1
10) Fluorene	17.83	166	60	0.00	ng	# 87
12) Pentachlorophenol	19.52	266	24	0.32	ng	# 71
13) Phenanthrene	19.88	178	118	0.00	ng	# 64
14) Anthracene	19.97	178	90	0.00	ng	# 67
15) Fluoranthene	21.78	202	139	0.00	ng	# 78
17) Pyrene	22.10	202	155	0.00	ng	# 77
19) Benzo(a)anthracene	23.71	228	3442	0.02	ng	# 71
20) Chrysene	23.74	228	1123	0.00	ng	# 69
21) Indeno(1,2,3-cd)pyrene	26.83	276	341	0.04	ng	# 77
23) Benzo(b)fluoranthene	24.97	252	94	0.24	ng	# 1
24) Benzo(k)fluoranthene	25.00	252	79	0.00	ng	# 13
25) Benzo(a)pyrene	25.33	252	70	0.19	ng	# 1
26) Dibenzo(a,h)anthracene	26.87	278	64	0.13	ng	# 1
27) Benzo(g,h,i)perylene	27.26	276	383	0.00	ng	# 8

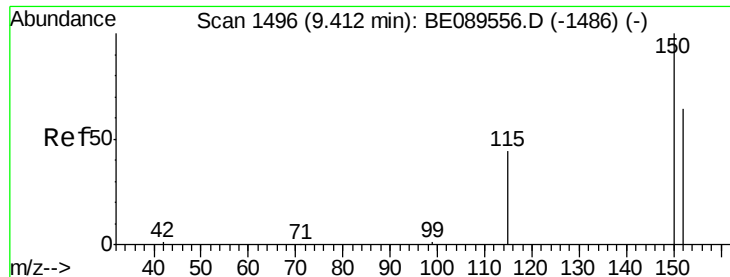
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.42 min Scan# 1496

Delta R.T. 0.00 min

Lab File: BE089561.D

Acq: 10 Feb 2015 23:00

Instrument :

BNA_E

ClientSampleId :

MDL-BLK-W

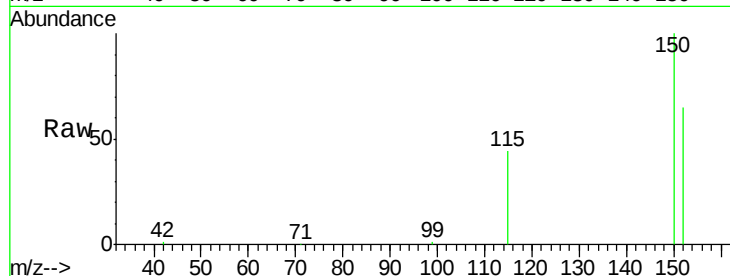
Tgt Ion:152 Resp: 73156

Ion Ratio Lower Upper

152 100

150 154.5 125.6 188.4

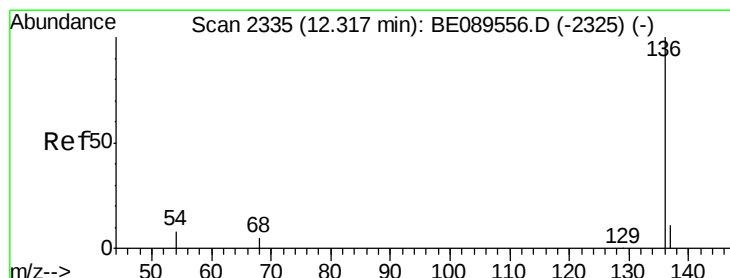
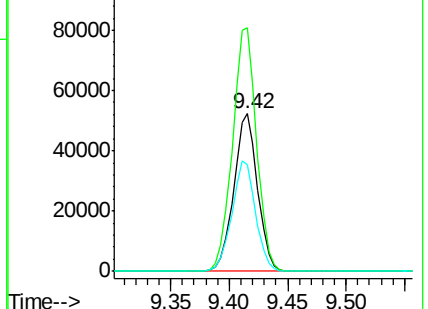
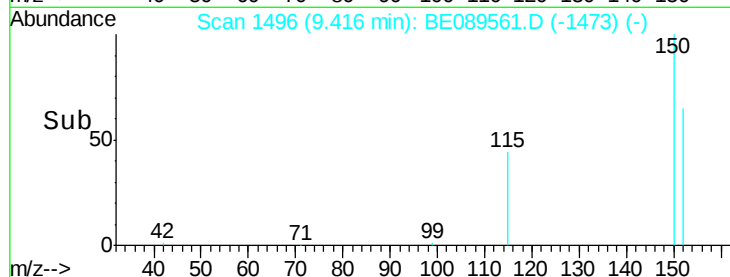
115 67.5 55.8 83.6



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: 12.32 min Scan# 2335

Delta R.T. 0.01 min

Lab File: BE089561.D

Acq: 10 Feb 2015 23:00

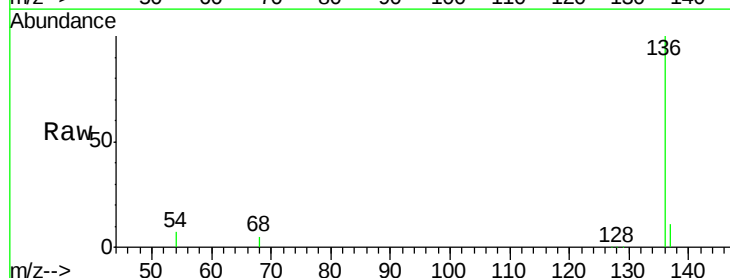
Tgt Ion:136 Resp: 279703

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

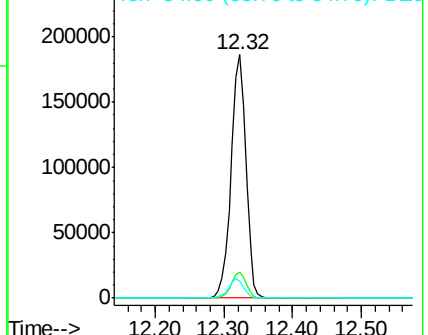
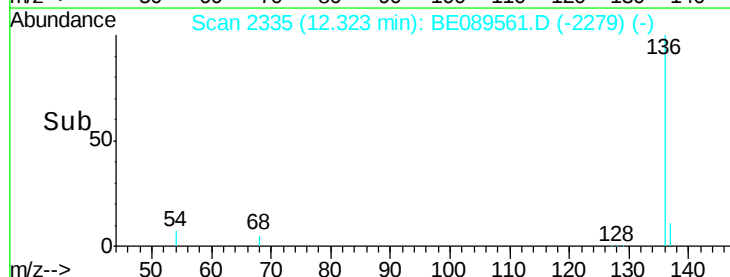
54 6.9 6.6 9.8

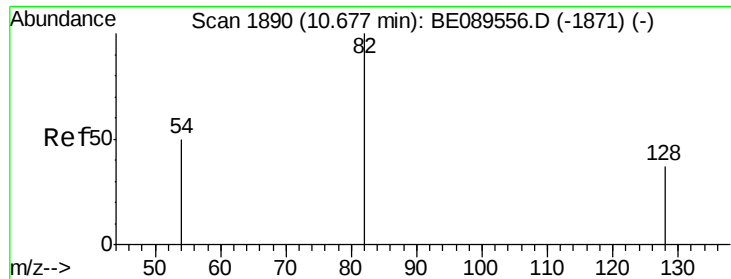


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 8.45 ng

RT: 10.68 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BE089561.D

Acq: 10 Feb 2015 23:00

Instrument :

BNA_E

ClientSampleId :

MDL-BLK-W

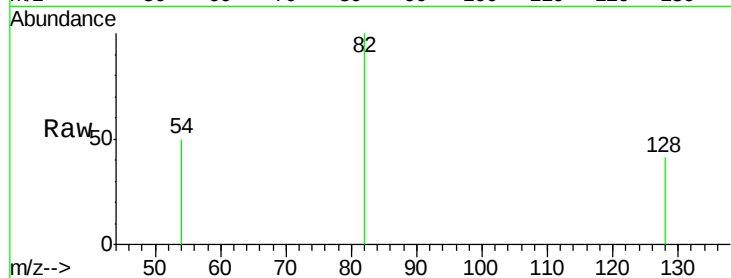
Tgt Ion: 82 Resp: 151456

Ion Ratio Lower Upper

82 100

128 40.6 30.4 45.6

54 49.8 40.7 61.1

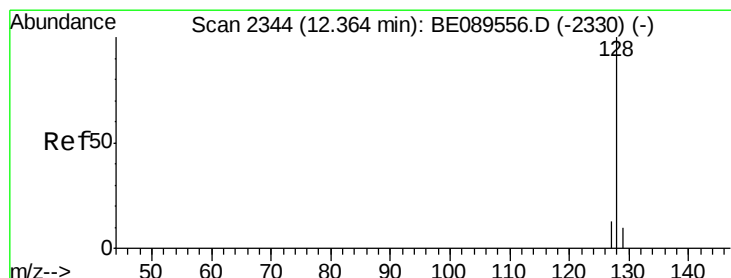
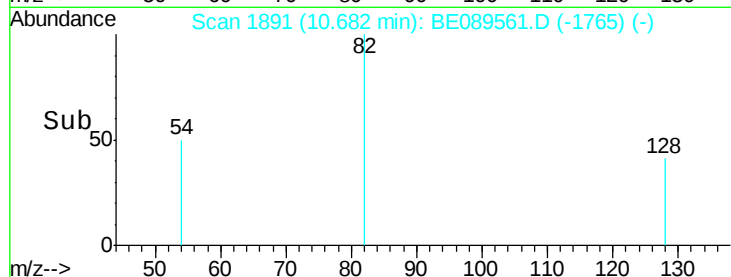


Abundance Ion 82.00 (81.70 to 82.70): BE089561.D (-1765) (-)

Ion 128.00 (127.70 to 128.70): BE089561.D (-1765) (-)

Ion 54.00 (53.70 to 54.70): BE089561.D (-1765) (-)

Time-->



#4

Naphthalene

Concen: 0.00 ng

RT: 12.37 min Scan# 2344

Delta R.T. 0.01 min

Lab File: BE089561.D

Acq: 10 Feb 2015 23:00

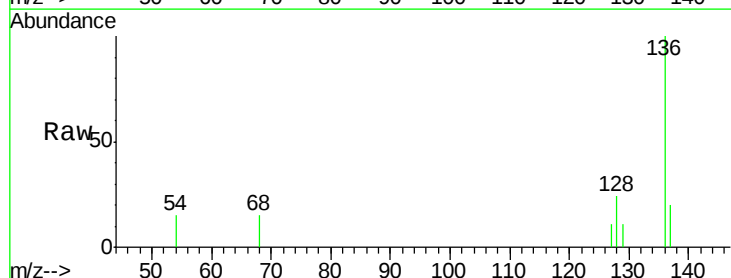
Tgt Ion: 128 Resp: 127

Ion Ratio Lower Upper

128 100

129 46.2 8.5 12.7#

127 45.4 10.6 15.8#

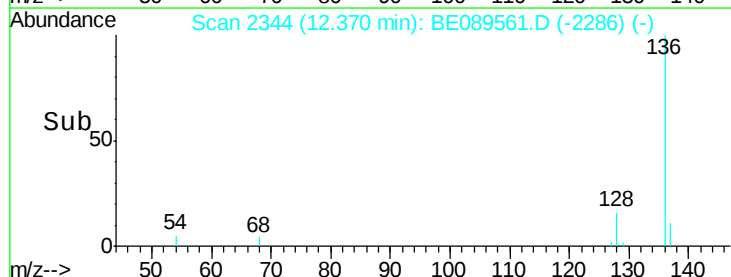


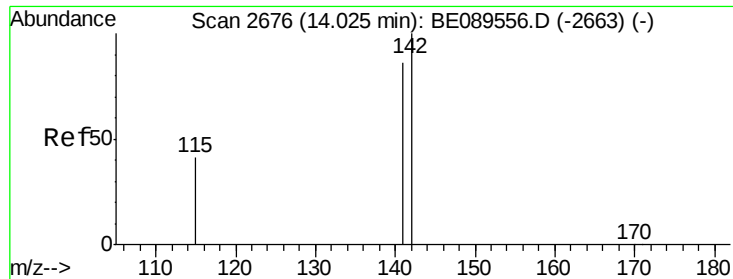
Abundance Ion 128.00 (127.70 to 128.70): BE089561.D (-2286) (-)

Ion 129.00 (128.70 to 129.70): BE089561.D (-2286) (-)

Ion 127.00 (126.70 to 127.70): BE089561.D (-2286) (-)

Time-->





#5

2-Methylnaphthalene

Concen: 0.00 ng

RT: 14.03 min Scan# 2676

Delta R.T. 0.01 min

Lab File: BE089561.D

Acq: 10 Feb 2015 23:00

Instrument :

BNA_E

ClientSampleId :

MDL-BLK-W

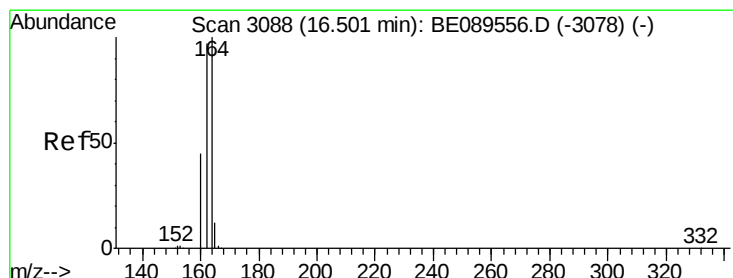
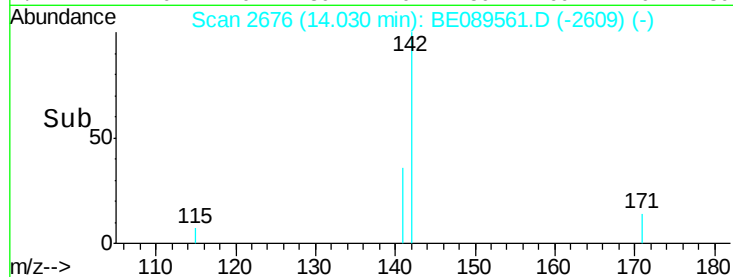
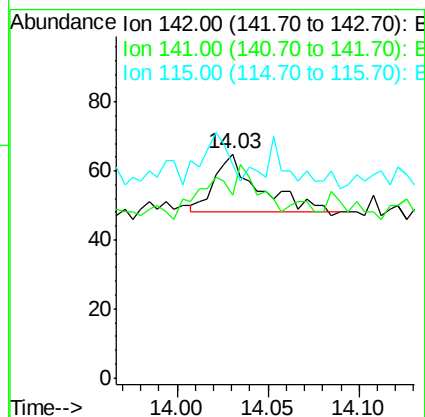
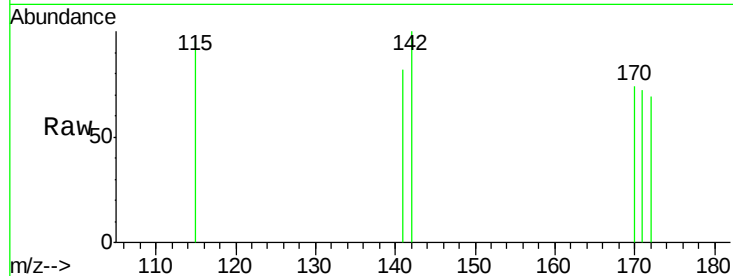
Tgt Ion:142 Resp: 28

Ion Ratio Lower Upper

142 100

141 81.5 68.6 102.8

115 95.4 33.0 49.6#



#6

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.50 min Scan# 3087

Delta R.T. -0.00 min

Lab File: BE089561.D

Acq: 10 Feb 2015 23:00

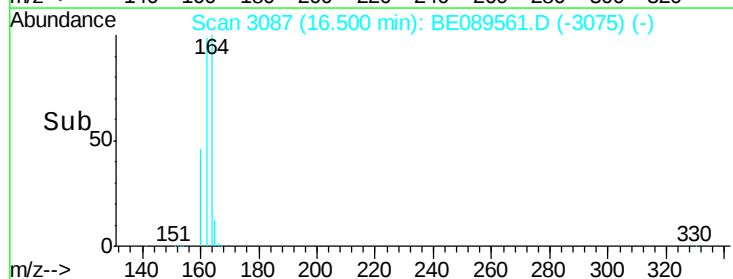
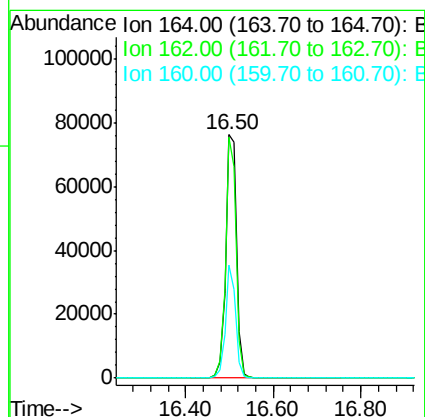
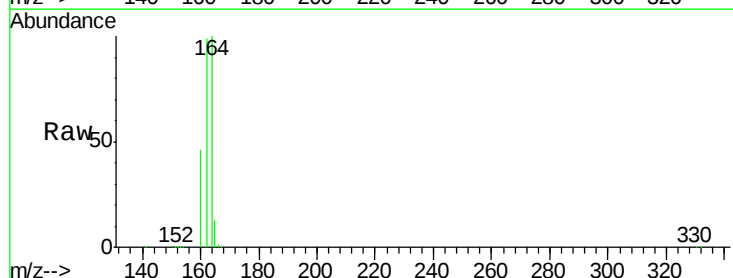
Tgt Ion:164 Resp: 131820

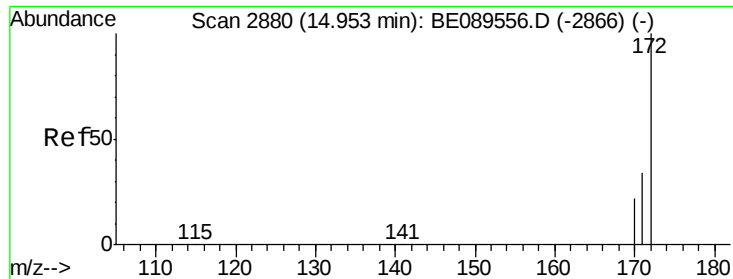
Ion Ratio Lower Upper

164 100

162 99.1 77.8 116.6

160 46.3 36.2 54.2





#7

2-Fluorobiphenyl

Concen: 6.32 ng

RT: 14.96 min Scan# 2880

Delta R.T. 0.01 min

Lab File: BE089561.D

Acq: 10 Feb 2015 23:00

Instrument :

BNA_E

ClientSampleId :

MDL-BLK-W

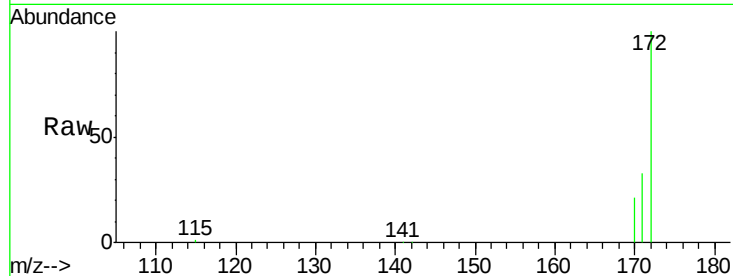
Tgt Ion:172 Resp: 225768

Ion Ratio Lower Upper

172 100

171 33.4 27.4 41.0

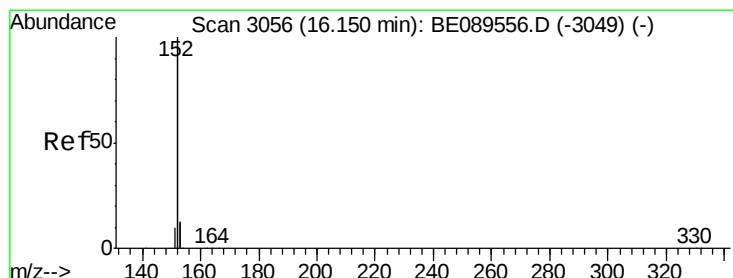
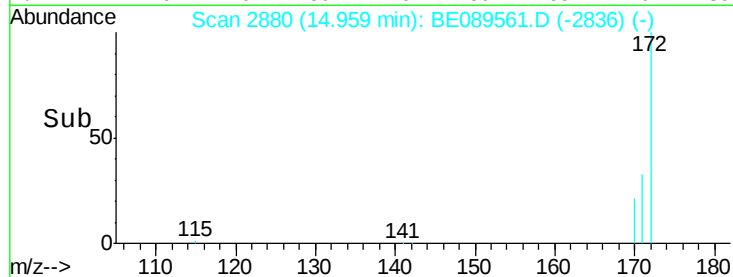
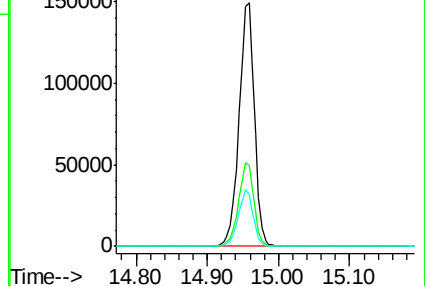
170 21.4 18.3 27.5



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: 0.00 ng

RT: 16.16 min Scan# 3056

Delta R.T. 0.01 min

Lab File: BE089561.D

Acq: 10 Feb 2015 23:00

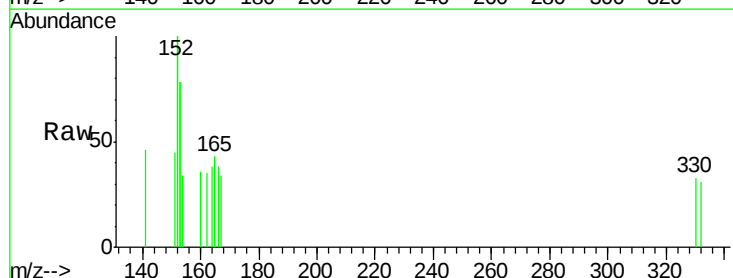
Tgt Ion:152 Resp: 220

Ion Ratio Lower Upper

152 100

151 15.9 3.9 5.9#

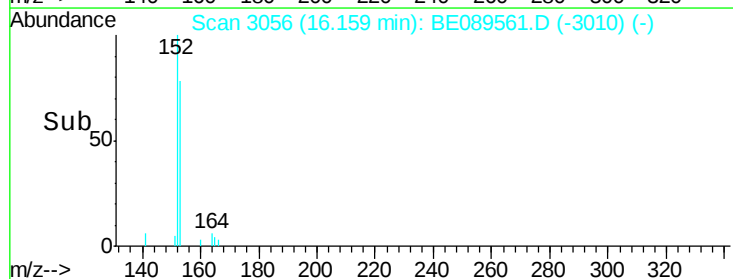
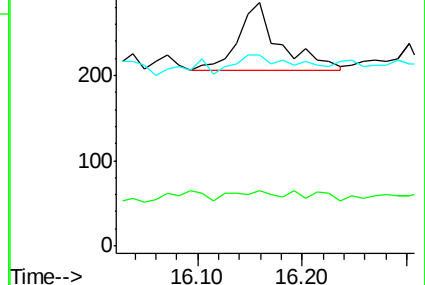
153 40.0 10.4 15.6#

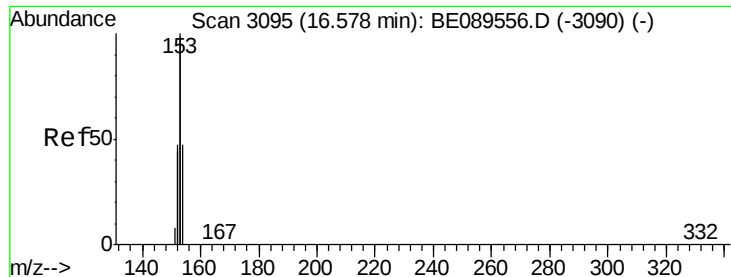


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.00 ng

RT: 16.58 min Scan# 3094

Delta R.T. -0.00 min

Lab File: BE089561.D

Acq: 10 Feb 2015 23:00

Instrument :

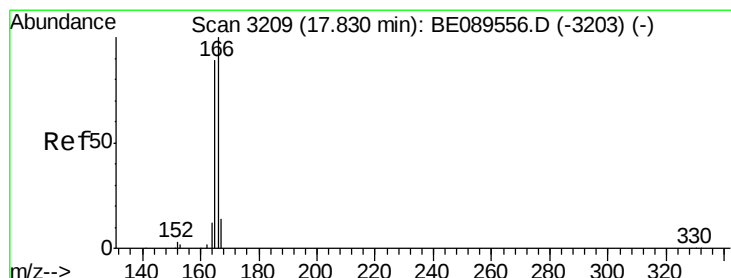
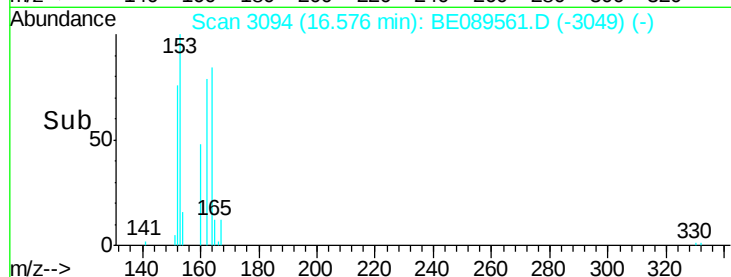
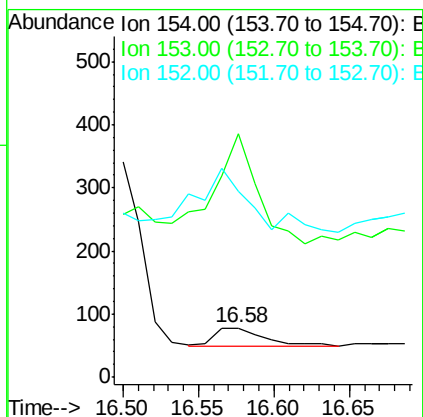
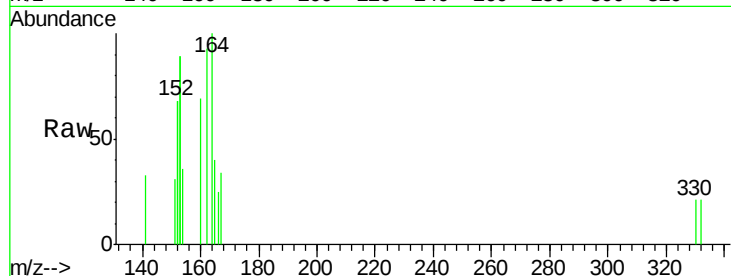
BNA_E

ClientSampleId :

MDL-BLK-W

Tgt Ion:154 Resp: 67

Ion	Ratio	Lower	Upper
154	100		
153	517.9	349.0	523.4
152	652.2	173.0	259.4#



#10

Fluorene

Concen: 0.00 ng

RT: 17.83 min Scan# 3208

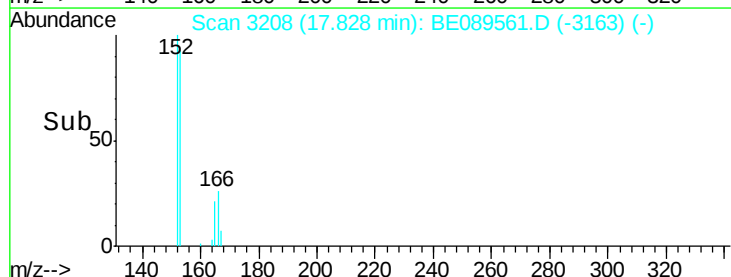
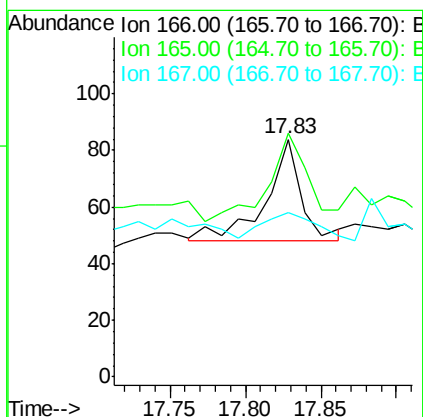
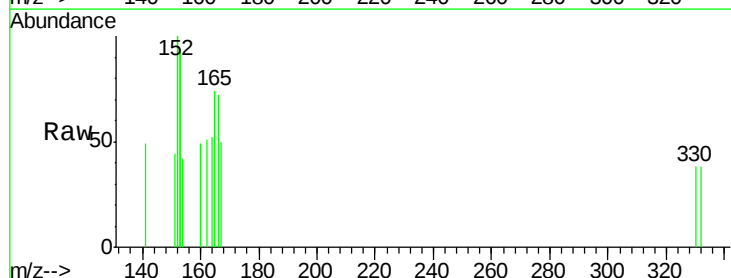
Delta R.T. -0.00 min

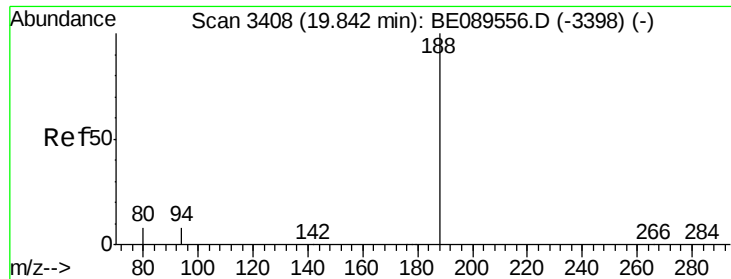
Lab File: BE089561.D

Acq: 10 Feb 2015 23:00

Tgt Ion:166 Resp: 60

Ion	Ratio	Lower	Upper
166	100		
165	98.3	75.1	112.7
167	41.7	10.6	16.0#

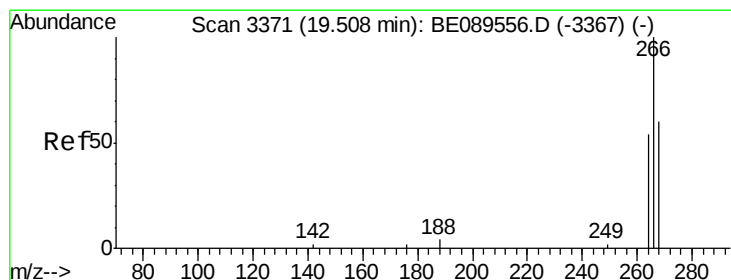
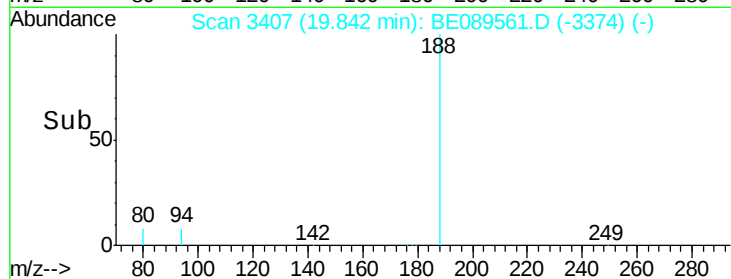
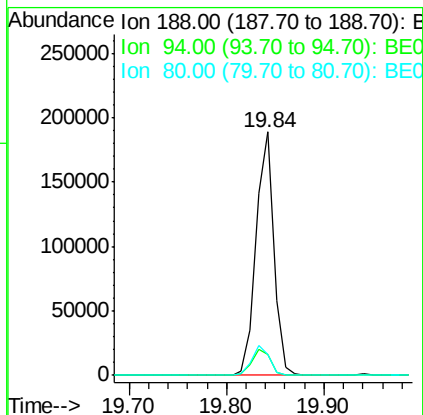
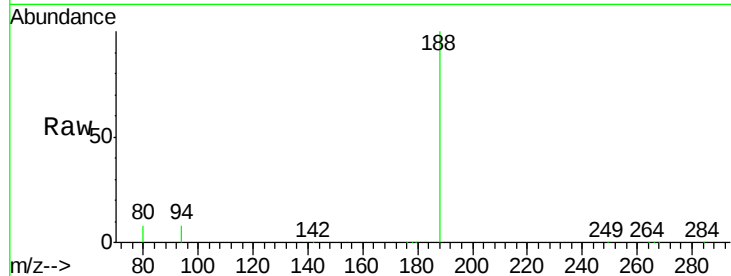




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.84 min Scan# 3407
Delta R.T. 0.00 min
Lab File: BE089561.D
Acq: 10 Feb 2015 23:00

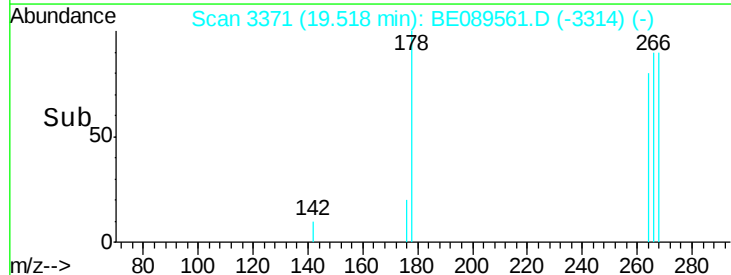
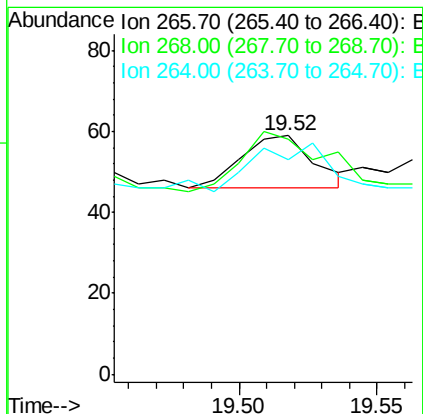
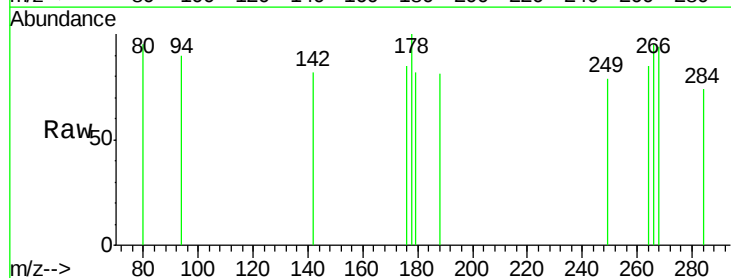
Instrument :
BNA_E
ClientSampleId :
MDL-BLK-W

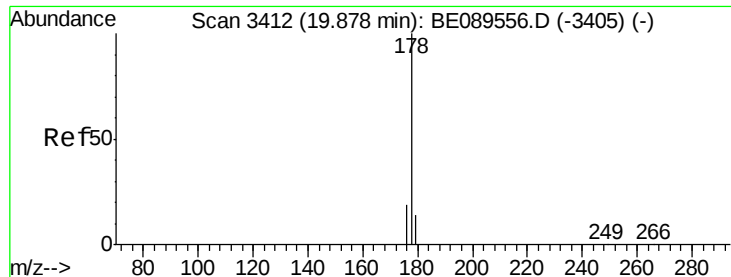
Tgt Ion:188 Resp: 235928
Ion Ratio Lower Upper
188 100
94 8.4 6.2 9.2
80 8.4 6.4 9.6



#12
Pentachlorophenol
Concen: 0.32 ng
RT: 19.52 min Scan# 3371
Delta R.T. 0.01 min
Lab File: BE089561.D
Acq: 10 Feb 2015 23:00

Tgt Ion:266 Resp: 24
Ion Ratio Lower Upper
266 100
268 98.3 57.9 86.9#
264 89.8 54.6 81.8#





#13

Phenanthrene

Concen: 0.00 ng

RT: 19.88 min Scan# 3411

Delta R.T. 0.00 min

Lab File: BE089561.D

Acq: 10 Feb 2015 23:00

Instrument :

BNA_E

ClientSampleId :

MDL-BLK-W

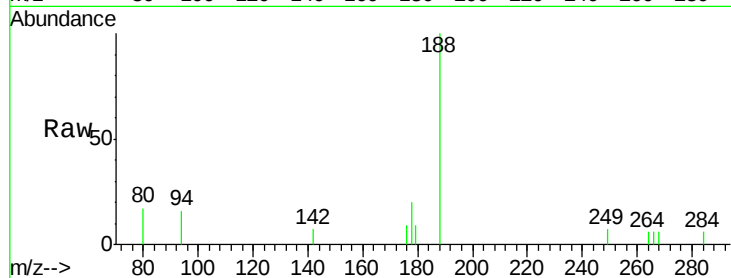
Tgt Ion:178 Resp: 118

Ion Ratio Lower Upper

178 100

176 34.7 15.1 22.7#

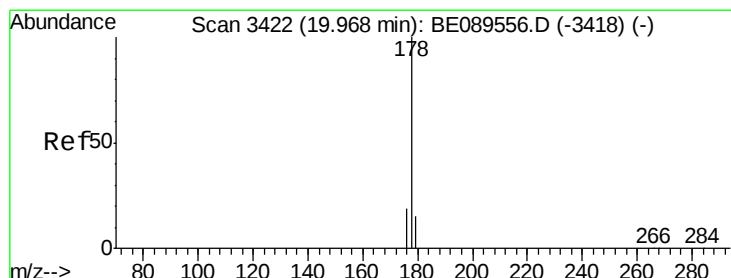
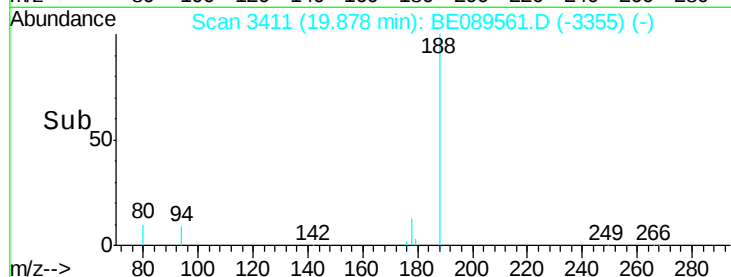
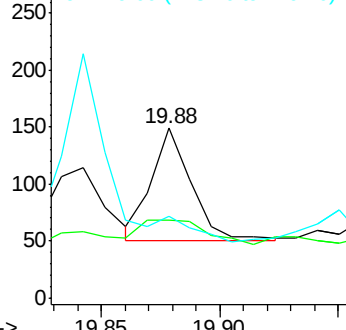
179 0.0 12.1 18.1#



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: 0.00 ng

RT: 19.97 min Scan# 3421

Delta R.T. 0.00 min

Lab File: BE089561.D

Acq: 10 Feb 2015 23:00

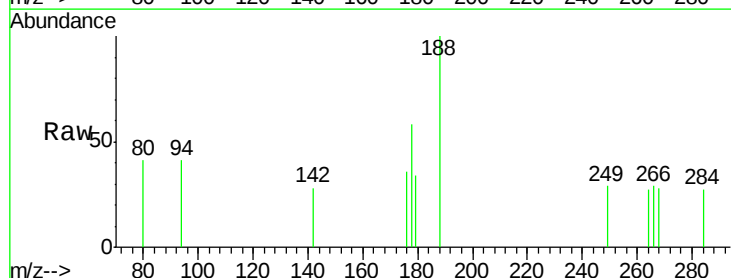
Tgt Ion:178 Resp: 90

Ion Ratio Lower Upper

178 100

176 31.1 14.6 21.8#

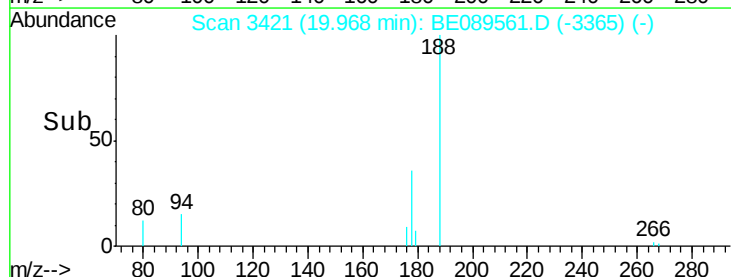
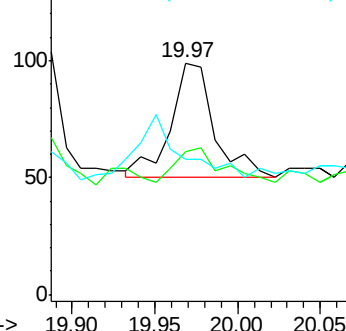
179 0.0 12.7 19.1#

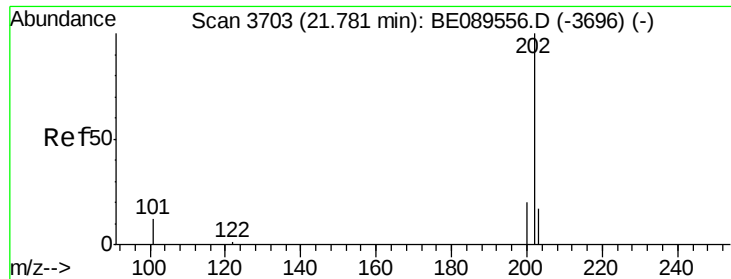


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

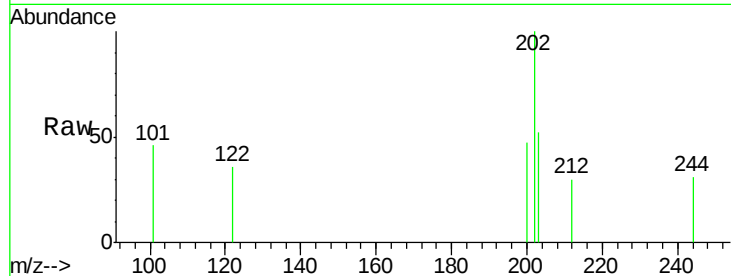




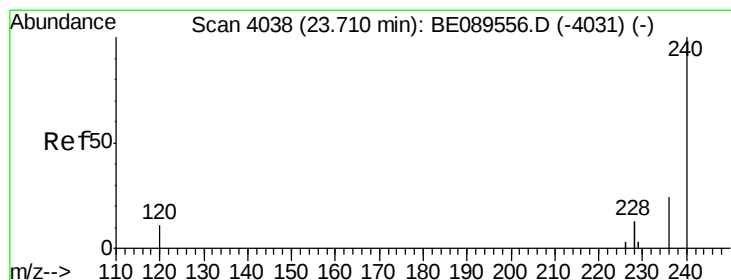
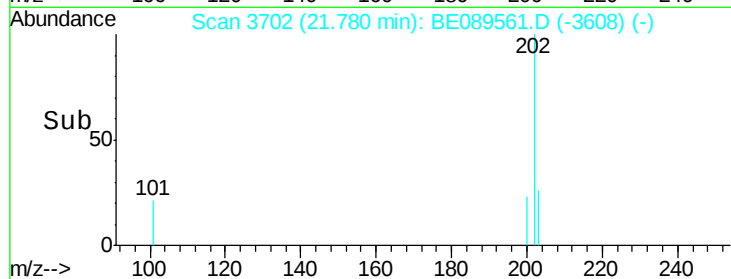
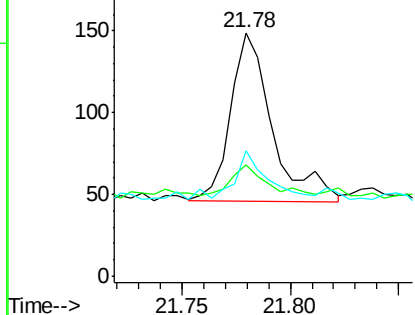
#15
 Fluoranthene
 Concen: 0.00 ng
 RT: 21.78 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: BE089561.D
 Acq: 10 Feb 2015 23:00

Instrument :
 BNA_E
 ClientSampleId :
 MDL-BLK-W

Tgt Ion: 202 Resp: 139
 Ion Ratio Lower Upper
 202 100
 101 0.0 10.4 15.6#
 203 23.0 13.6 20.4#

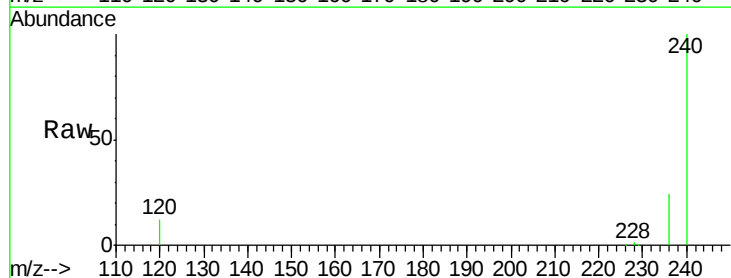


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

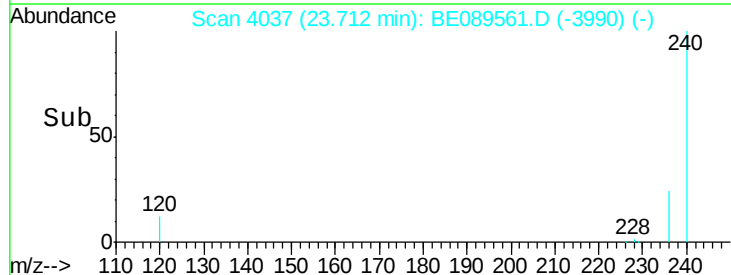
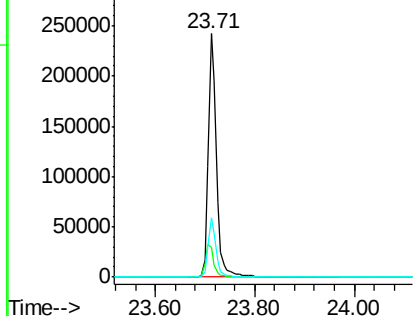


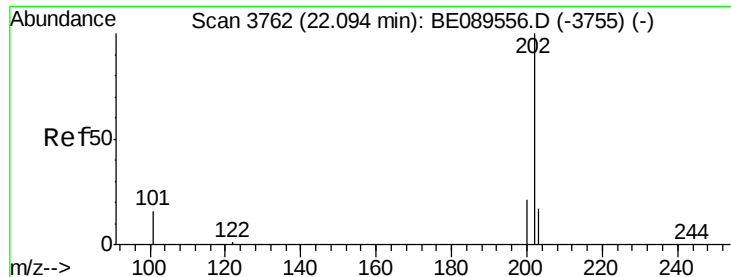
#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.71 min Scan# 4037
 Delta R.T. 0.00 min
 Lab File: BE089561.D
 Acq: 10 Feb 2015 23:00

Tgt Ion: 240 Resp: 273492
 Ion Ratio Lower Upper
 240 100
 120 12.2 9.3 13.9
 236 24.5 19.3 28.9



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

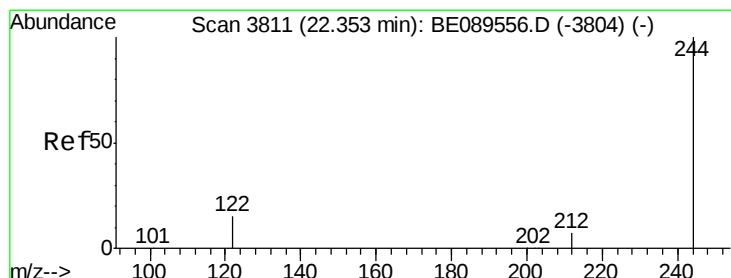
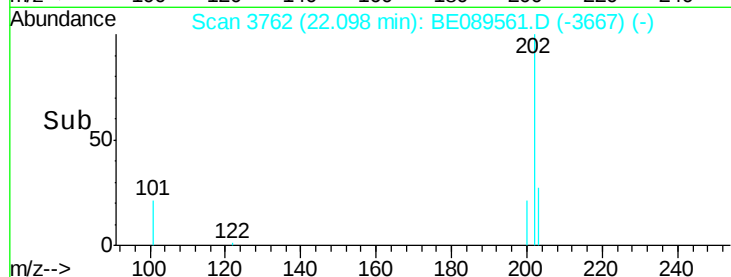
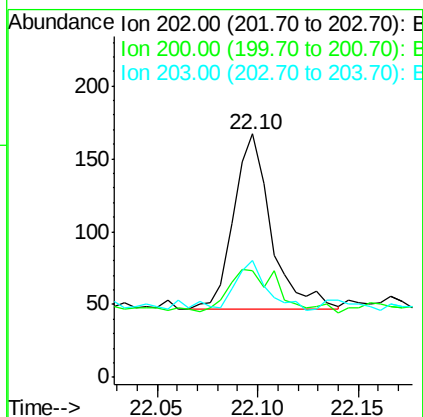
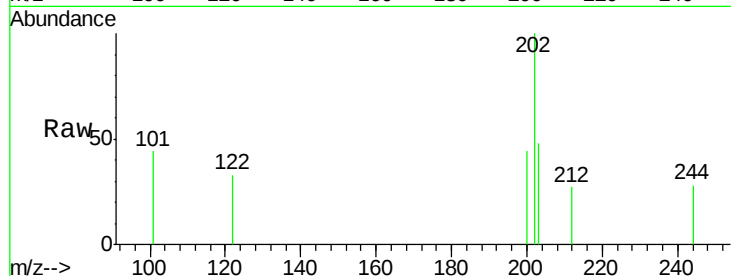




#17
 Pyrene
 Concen: 0.00 ng
 RT: 22.10 min Scan# 3762
 Delta R.T. 0.00 min
 Lab File: BE089561.D
 Acq: 10 Feb 2015 23:00

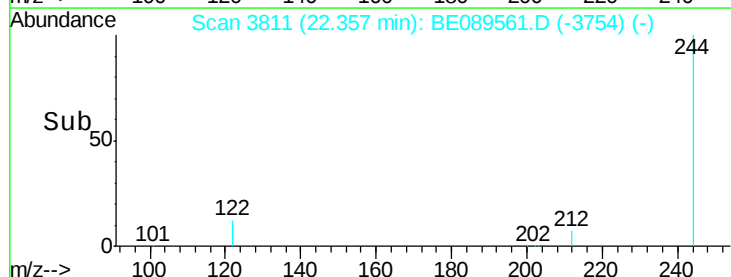
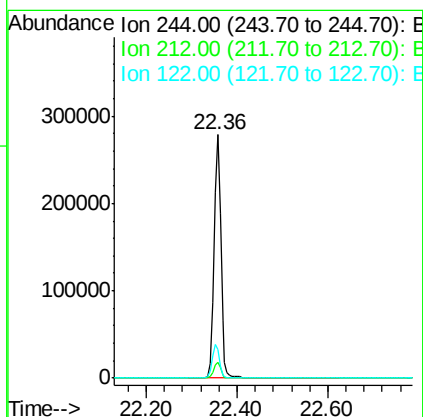
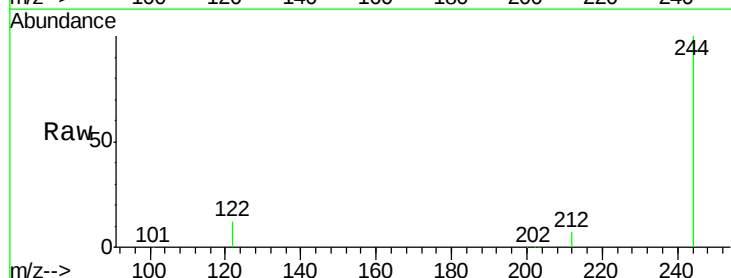
Instrument :
 BNA_E
 ClientSampleId :
 MDL-BLK-W

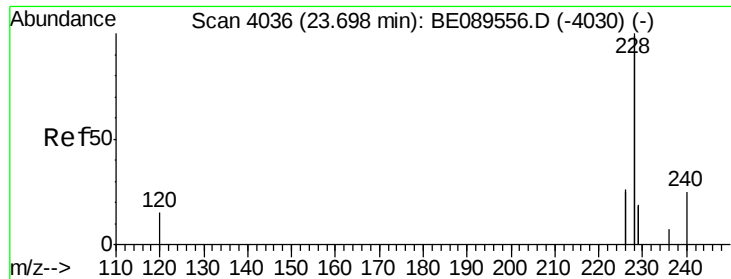
Tgt Ion: 202 Resp: 155
 Ion Ratio Lower Upper
 202 100
 200 34.8 16.6 24.8#
 203 23.9 14.2 21.2#



#18
 Terphenyl-d14
 Concen: 8.35 ng
 RT: 22.36 min Scan# 3811
 Delta R.T. 0.00 min
 Lab File: BE089561.D
 Acq: 10 Feb 2015 23:00

Tgt Ion: 244 Resp: 284363
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.9 8.9
 122 11.7 12.2 18.2#





#19

Benzo(a)anthracene

Concen: 0.02 ng

RT: 23.71 min Scan# 4037

Delta R.T. 0.01 min

Lab File: BE089561.D

Acq: 10 Feb 2015 23:00

Instrument :

BNA_E

ClientSampleId :

MDL-BLK-W

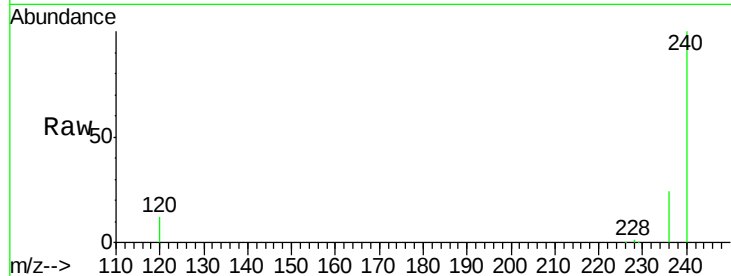
Tgt Ion:228 Resp: 3442

Ion Ratio Lower Upper

228 100

226 15.5 21.0 31.4#

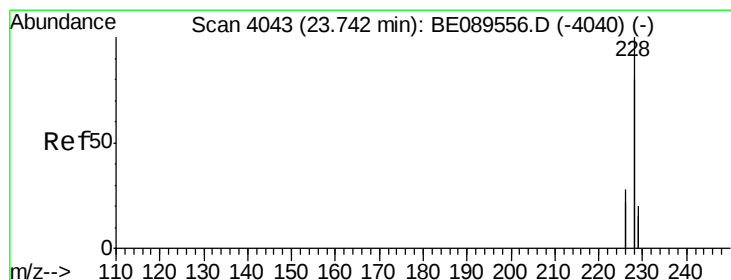
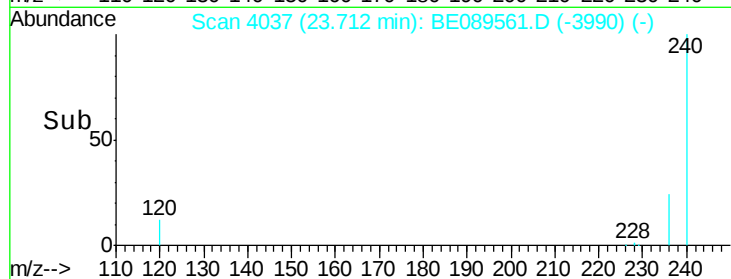
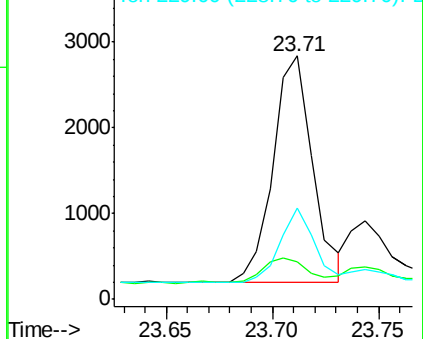
229 37.3 15.2 22.8#



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



#20

Chrysene

Concen: 0.00 ng

RT: 23.74 min Scan# 4042

Delta R.T. 0.00 min

Lab File: BE089561.D

Acq: 10 Feb 2015 23:00

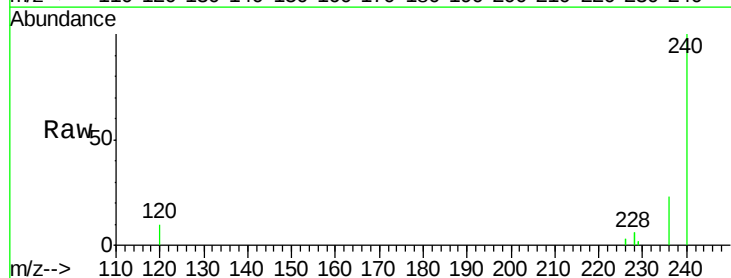
Tgt Ion:228 Resp: 1123

Ion Ratio Lower Upper

228 100

226 41.5 22.6 34.0#

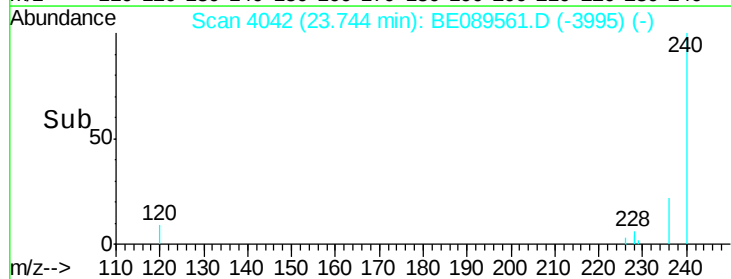
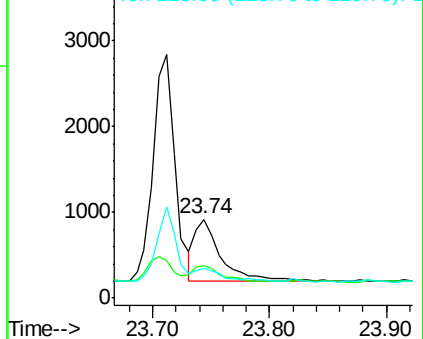
229 37.4 15.6 23.4#

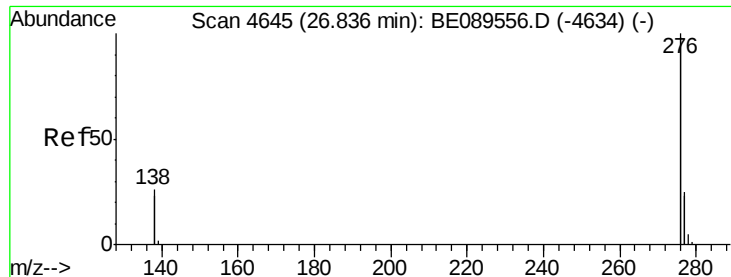


Abundance Ion 228.00 (227.70 to 228.70): E

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: 0.04 ng

RT: 26.83 min Scan# 4643

Delta R.T. -0.00 min

Lab File: BE089561.D

Acq: 10 Feb 2015 23:00

Instrument :

BNA_E

ClientSampleId :

MDL-BLK-W

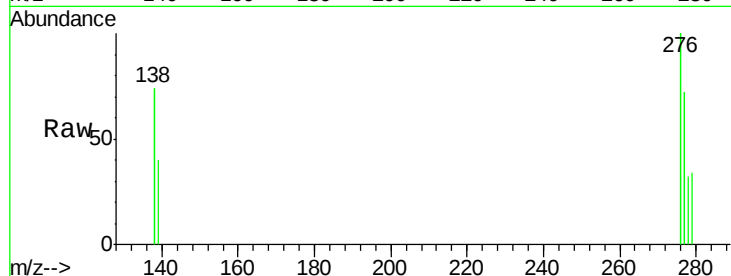
Tgt Ion:276 Resp: 341

Ion Ratio Lower Upper

276 100

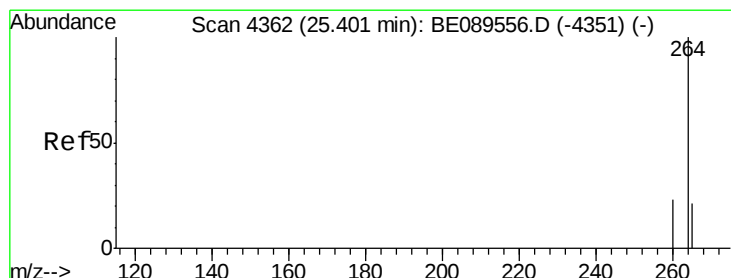
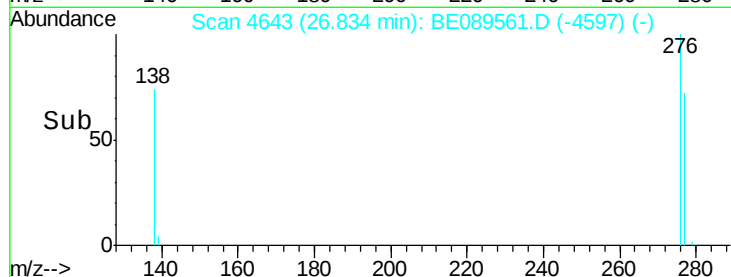
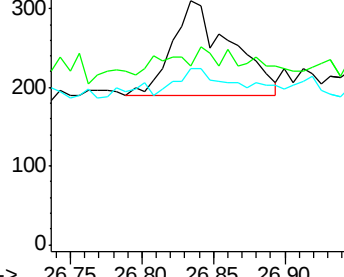
138 5.0 20.2 30.4#

277 22.0 19.6 29.4



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

26.83



#22

Perylene-d12

Concen: 5.00 ng

RT: 25.40 min Scan# 4361

Delta R.T. 0.00 min

Lab File: BE089561.D

Acq: 10 Feb 2015 23:00

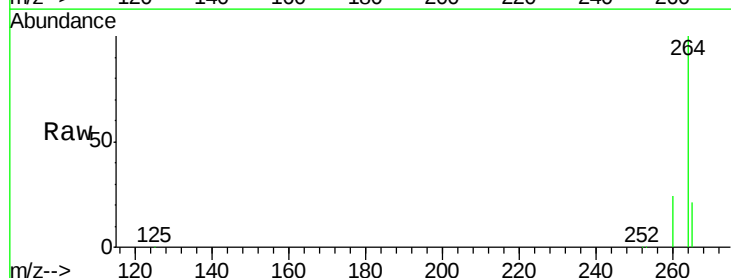
Tgt Ion:264 Resp: 279435

Ion Ratio Lower Upper

264 100

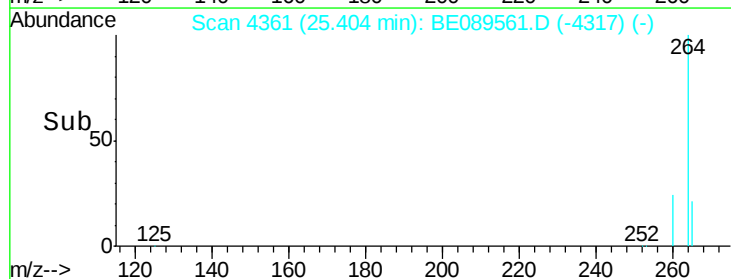
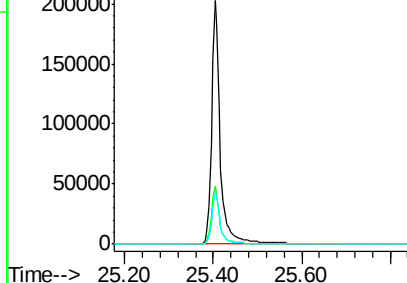
260 24.1 18.7 28.1

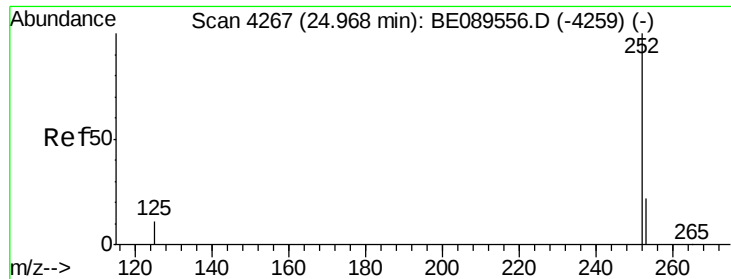
265 21.1 16.8 25.2



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

25.40

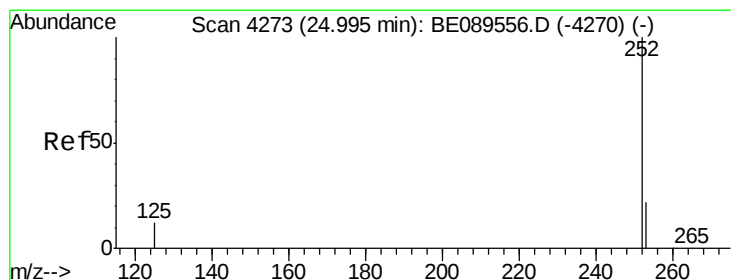
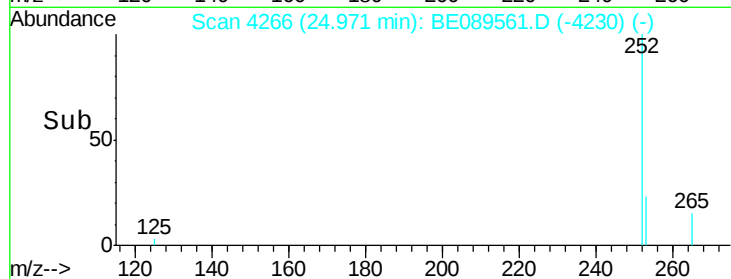
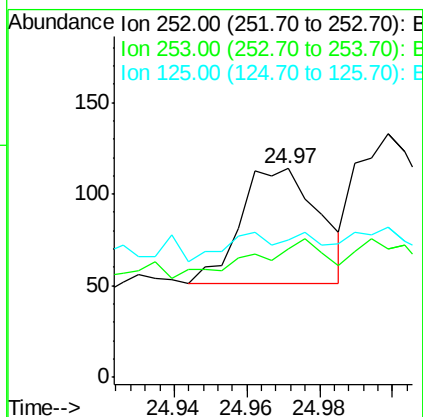
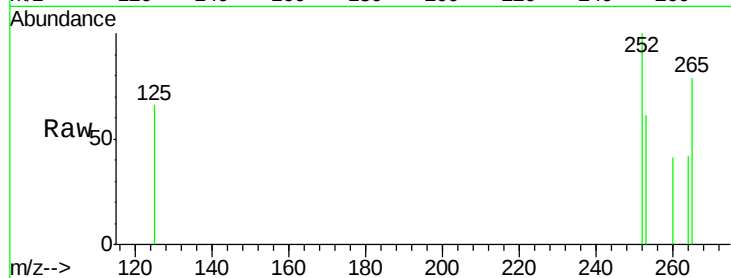




#23
Benzo(b)fluoranthene
Concen: 0.24 ng
RT: 24.97 min Scan# 4266
Delta R.T. 0.00 min
Lab File: BE089561.D
Acq: 10 Feb 2015 23:00

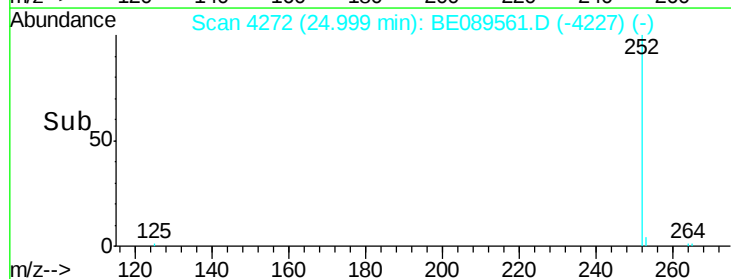
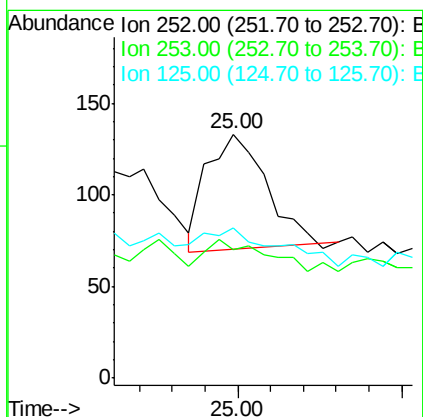
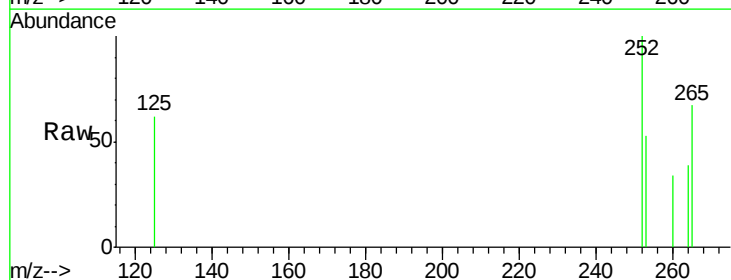
Instrument :
BNA_E
ClientSampleId :
MDL-BLK-W

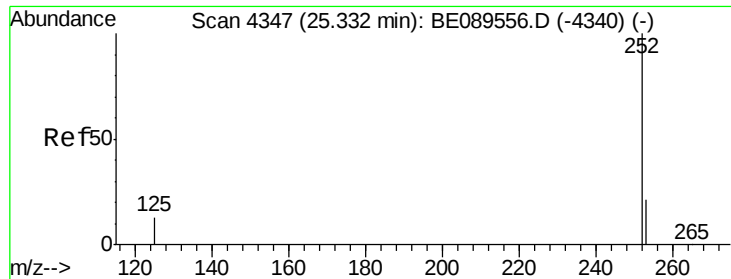
Tgt Ion: 252 Resp: 94
Ion Ratio Lower Upper
252 100
253 61.4 17.8 26.8#
125 65.8 9.3 13.9#



#24
Benzo(k)fluoranthene
Concen: 0.00 ng
RT: 25.00 min Scan# 4272
Delta R.T. 0.00 min
Lab File: BE089561.D
Acq: 10 Feb 2015 23:00

Tgt Ion: 252 Resp: 79
Ion Ratio Lower Upper
252 100
253 52.6 17.5 26.3#
125 61.7 9.6 14.4#

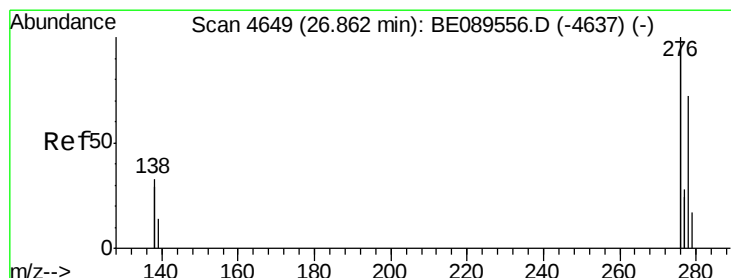
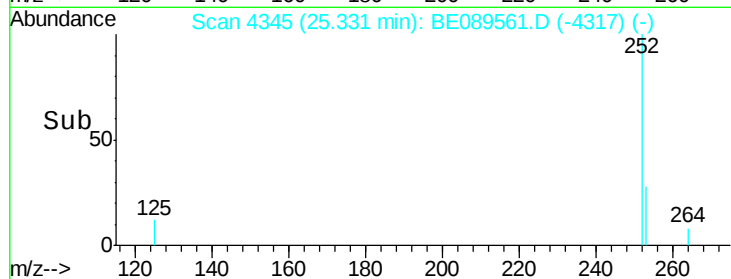
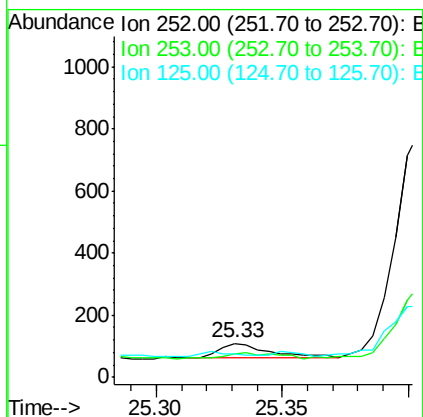
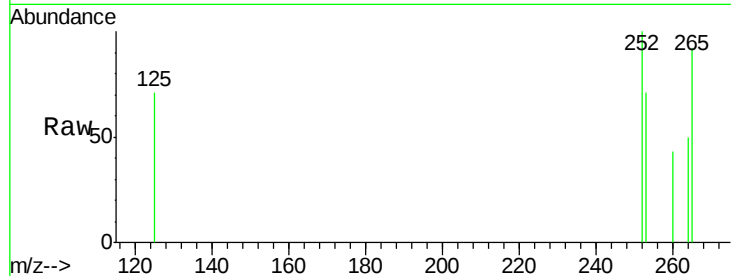




#25
Benzo(a)pyrene
Concen: 0.19 ng
RT: 25.33 min Scan# 4345
Delta R.T. -0.00 min
Lab File: BE089561.D
Acq: 10 Feb 2015 23:00

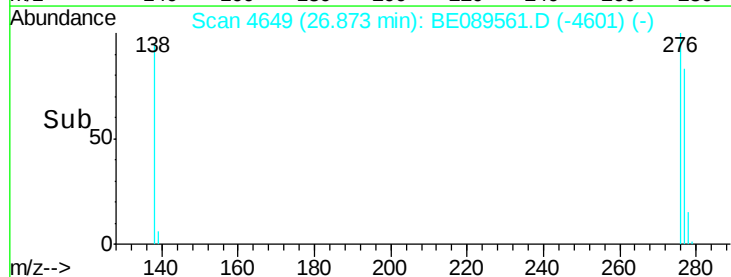
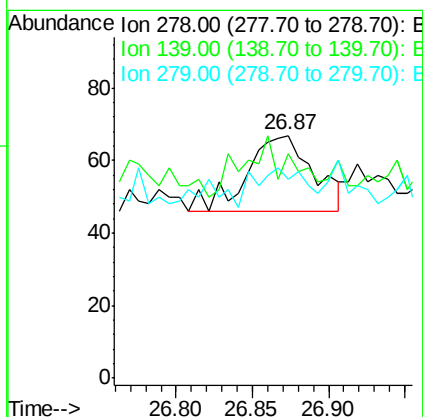
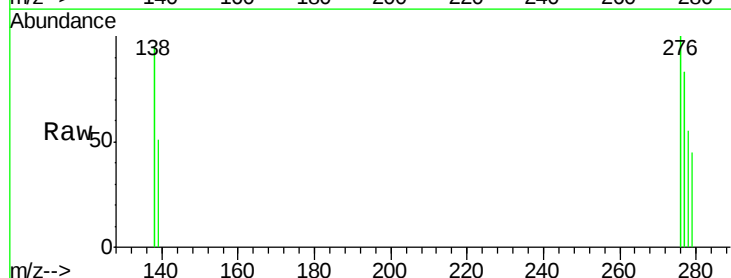
Instrument :
BNA_E
ClientSampleId :
MDL-BLK-W

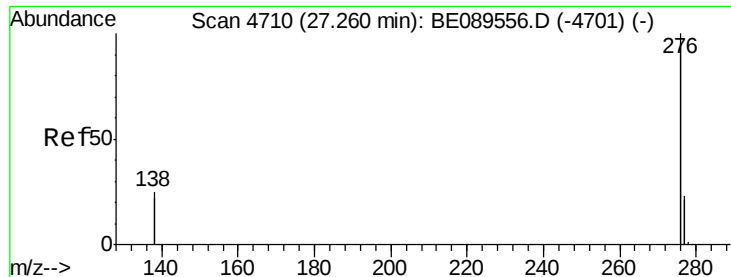
Tgt Ion: 252 Resp: 70
Ion Ratio Lower Upper
252 100
253 70.6 17.4 26.0#
125 70.6 11.1 16.7#



#26
Dibenzo(a,h)anthracene
Concen: 0.13 ng
RT: 26.87 min Scan# 4649
Delta R.T. 0.01 min
Lab File: BE089561.D
Acq: 10 Feb 2015 23:00

Tgt Ion: 278 Resp: 64
Ion Ratio Lower Upper
278 100
139 92.5 16.1 24.1#
279 82.1 19.6 29.4#





#27
 Benzo(g,h,i)perylene
 Concen: 0.00 ng
 RT: 27.26 min Scan# 4708
 Delta R.T. -0.00 min
 Lab File: BE089561.D
 Acq: 10 Feb 2015 23:00

Instrument :
 BNA_E
 ClientSampleId :
 MDL-BLK-W

Tgt Ion: 276 Resp: 383
 Ion Ratio Lower Upper
 276 100
 277 62.9 18.7 28.1#
 138 76.0 19.7 29.5#

