

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032515\
 Data File : BE089846.D
 Acq On : 25 Mar 2015 20:47
 Operator : TP/JJ
 Sample : G1575-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-11

Quant Time: Mar 26 03:28:40 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 25 16:20:31 2015
 Response via : Initial Calibration

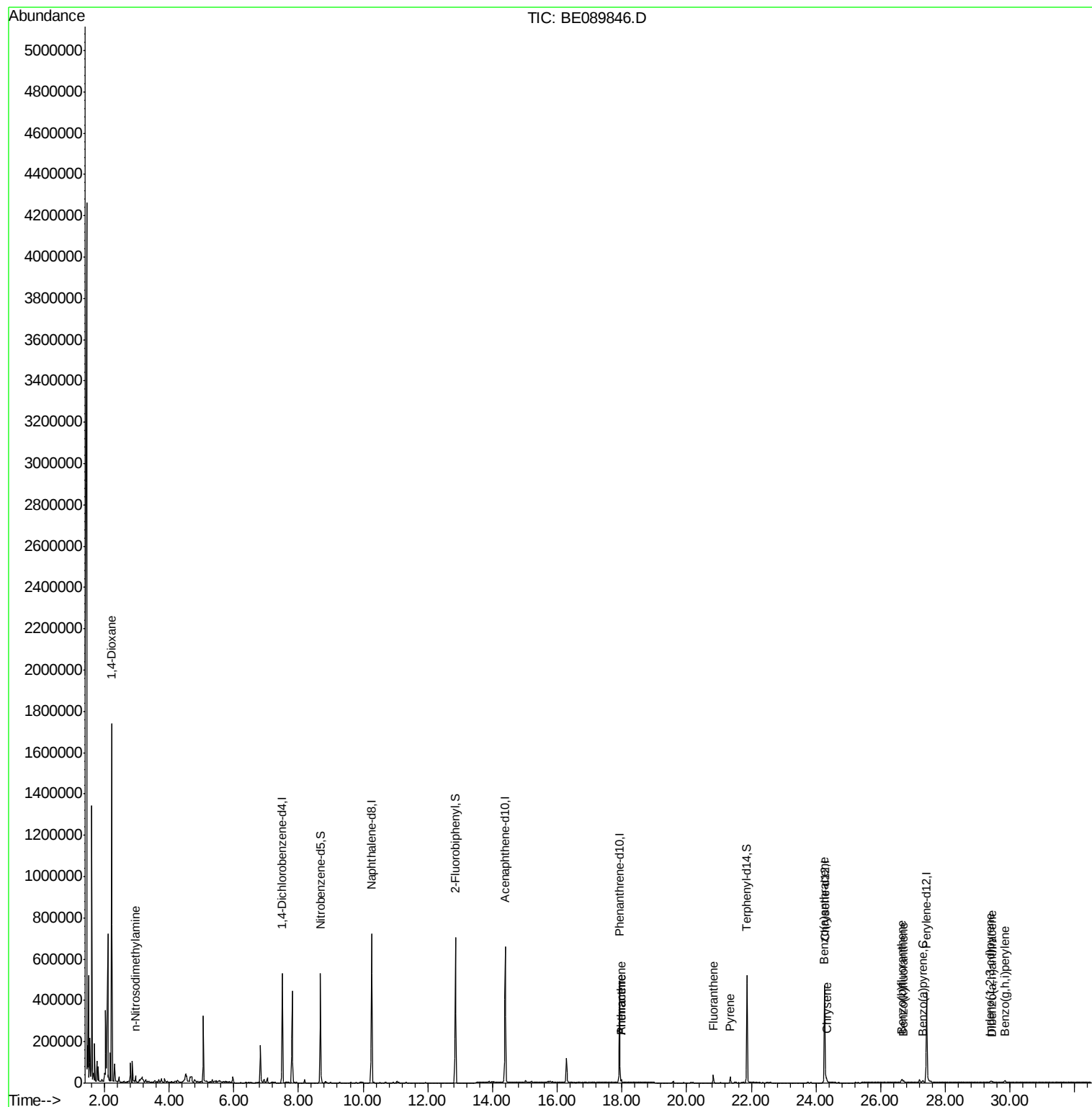
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	228376	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	906185	5.00	ng	0.00
8) Acenaphthene-d10	14.39	164	390727	5.00	ng	0.00
13) Phenanthrene-d10	17.93	188	641473	5.00	ng	0.00
19) Chrysene-d12	24.27	240	594740	5.00	ng	0.00
25) Perylene-d12	27.42	264	553539	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	432398	6.60	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	684893	7.49	ng	0.00
21) Terphenyl-d14	21.87	244	700879	7.99	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.23	88	42840	1.46	ng	# 1
3) n-Nitrosodimethylamine	2.96	42	2441	0.06	ng	# 15
15) Pentachlorophenol	17.56	266	55	Below Cal		98
16) Phenanthrene	17.98	178	17693	0.13	ng	99
17) Anthracene	17.98	178	17693	0.14	ng	99
18) Fluoranthene	20.83	202	40707	0.32	ng	# 98
20) Pyrene	21.35	202	34473	0.23	ng	97
22) Benzo(a)anthracene	24.25	228	13049	0.12	ng	# 89
23) Chrysene	24.32	228	30168	0.25	ng	# 93
24) Indeno(1,2,3-cd)pyrene	29.39	276	15021	0.54	ng	# 76
26) Benzo(b)fluoranthene	26.65	252	30926	0.56	ng	# 80
27) Benzo(k)fluoranthene	26.71	252	14587	0.13	ng	# 60
28) Benzo(a)pyrene	27.30	252	13623	0.41	ng	# 57
29) Dibenzo(a,h)anthracene	29.45	278	2051	0.28	ng	# 10
30) Benzo(g,h,i)perylene	29.84	276	18136	0.40	ng	# 94

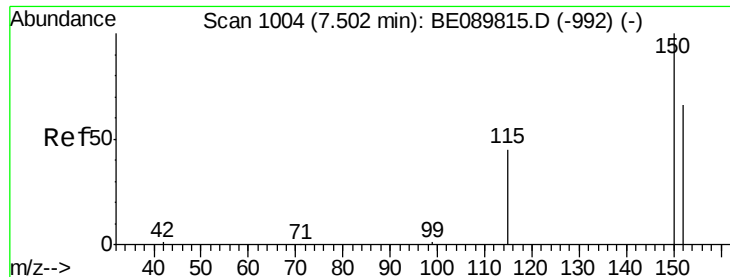
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.50 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BE089846.D

Acq: 25 Mar 2015 20:47

Instrument :

BNA_E

ClientSampleId :

MW-11

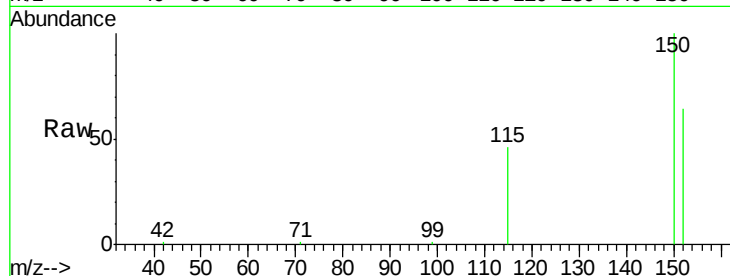
Tgt Ion:152 Resp: 228376

Ion Ratio Lower Upper

152 100

150 157.1 125.5 188.3

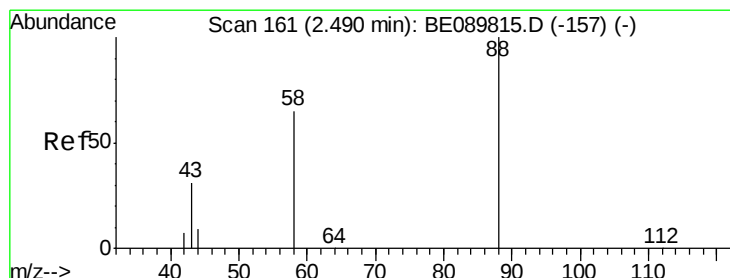
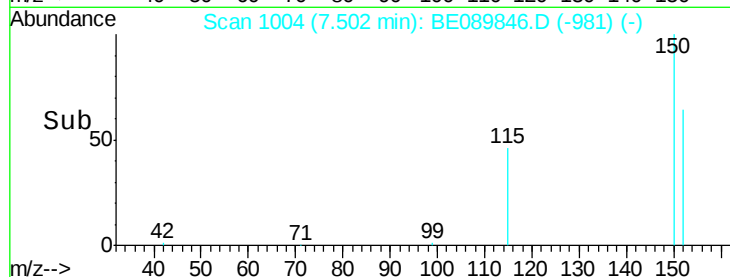
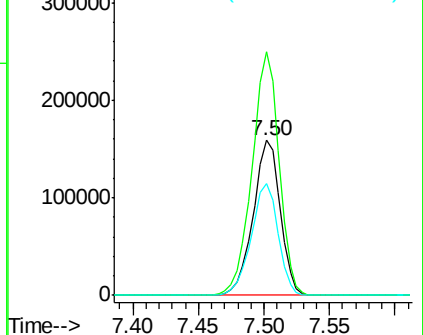
115 72.4 58.0 87.0



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

1,4-Dioxane

Concen: 1.46 ng

RT: 2.23 min Scan# 123

Delta R.T. -0.29 min

Lab File: BE089846.D

Acq: 25 Mar 2015 20:47

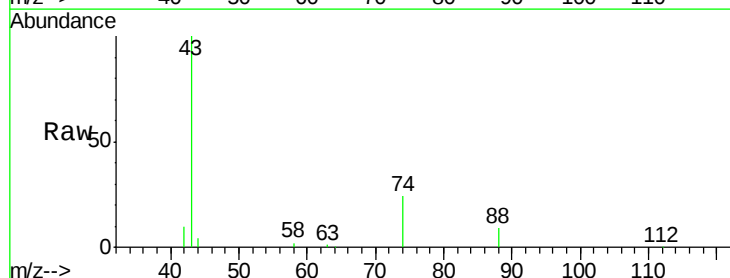
Tgt Ion: 88 Resp: 42840

Ion Ratio Lower Upper

88 100

58 30.9 48.6 72.8#

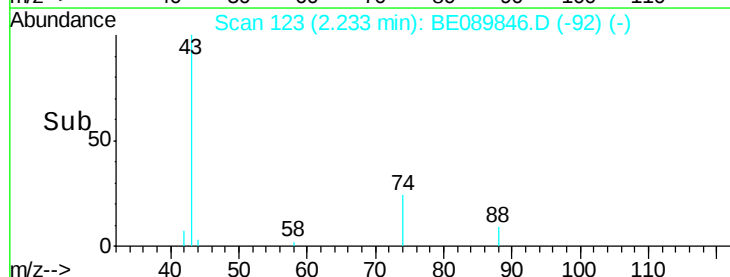
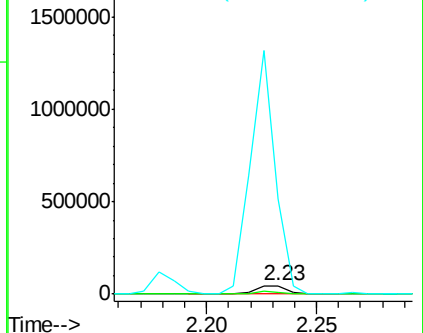
43 2422.0 28.6 43.0#

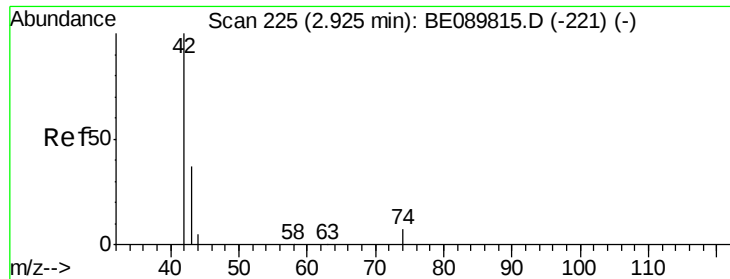


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.06 ng

RT: 2.96 min Scan# 231

Delta R.T. -0.03 min

Lab File: BE089846.D

Acq: 25 Mar 2015 20:47

Instrument :

BNA_E

ClientSampleId :

MW-11

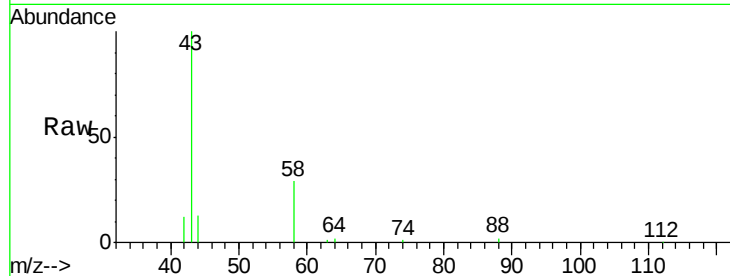
Tgt Ion: 42 Resp: 2441

Ion Ratio Lower Upper

42 100

74 3.0 68.7 103.1#

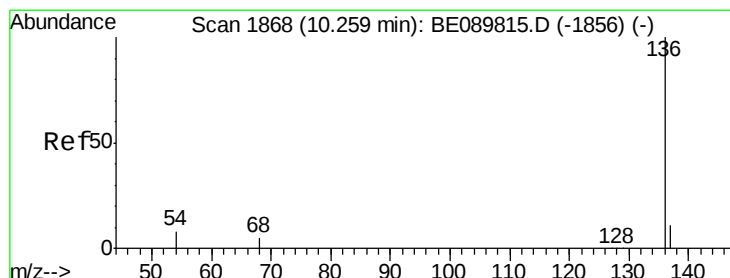
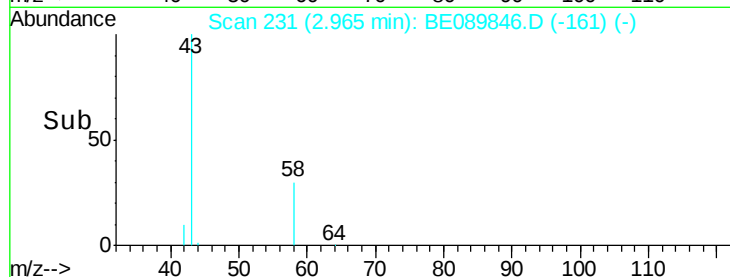
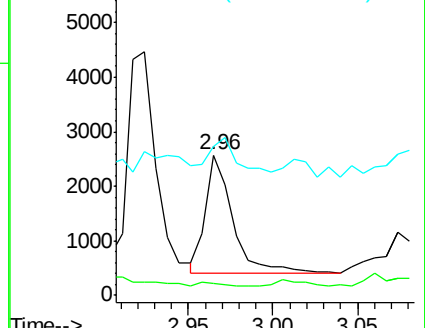
44 0.0 6.2 9.4#



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: 10.26 min Scan# 1869

Delta R.T. 0.01 min

Lab File: BE089846.D

Acq: 25 Mar 2015 20:47

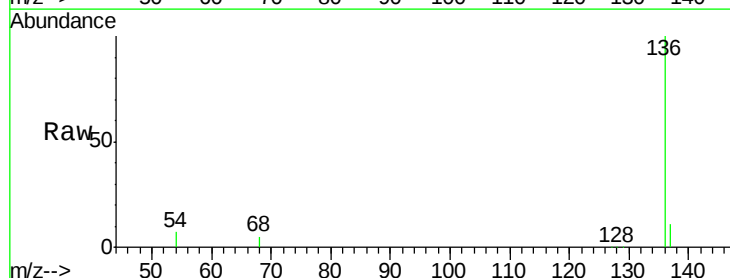
Tgt Ion: 136 Resp: 906185

Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

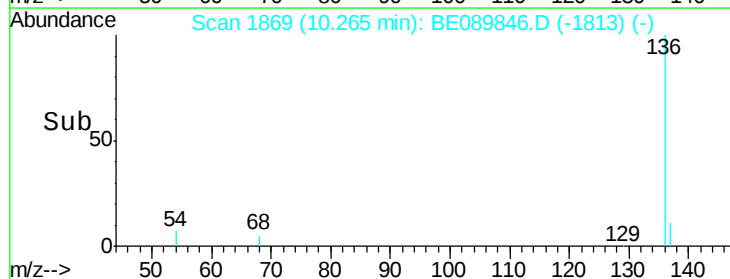
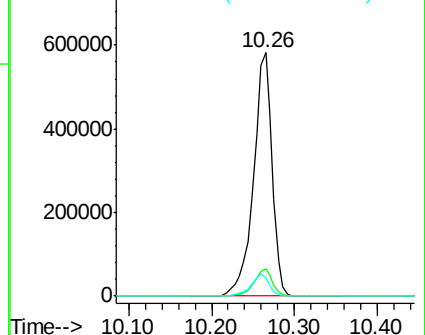
54 7.5 7.0 10.4

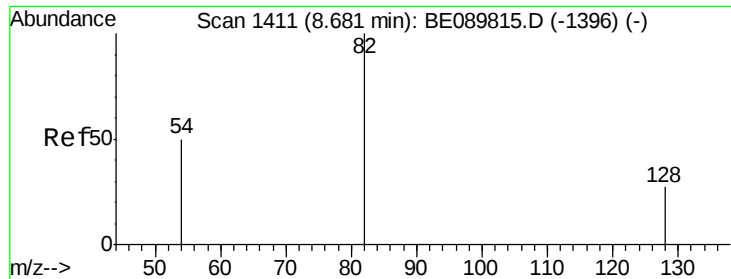


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 6.60 ng

RT: 8.68 min Scan# 1412

Delta R.T. 0.00 min

Lab File: BE089846.D

Acq: 25 Mar 2015 20:47

Instrument :

BNA_E

ClientSampleId :

MW-11

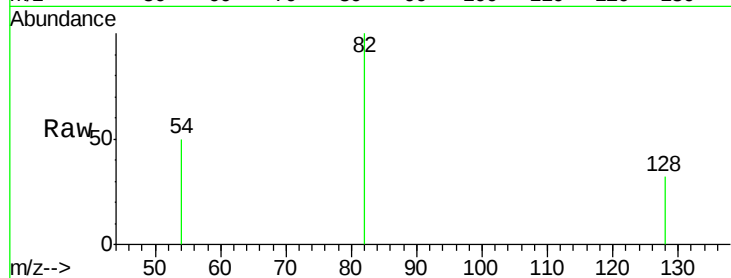
Tgt Ion: 82 Resp: 432398

Ion Ratio Lower Upper

82 100

128 32.1 24.6 37.0

54 50.1 43.0 64.6

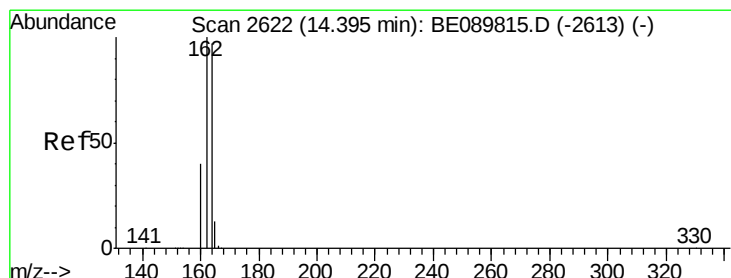
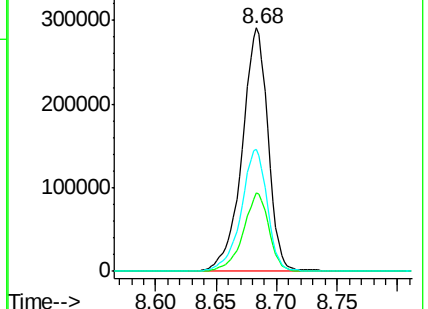
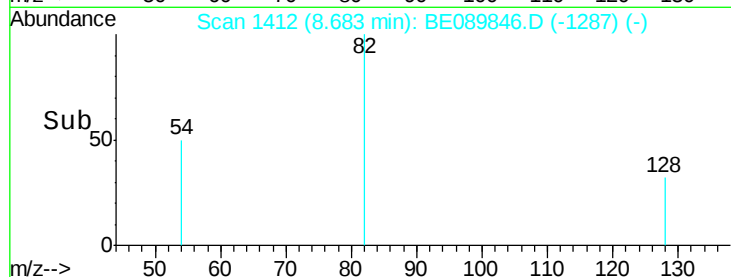


Abundance Ion 82.00 (81.70 to 82.70): BE089815.D (-1396) (-)

Ion 128.00 (127.70 to 128.70): BE089815.D (-1396) (-)

Ion 54.00 (53.70 to 54.70): BE089815.D (-1396) (-)

Time-->



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.39 min Scan# 2622

Delta R.T. 0.01 min

Lab File: BE089846.D

Acq: 25 Mar 2015 20:47

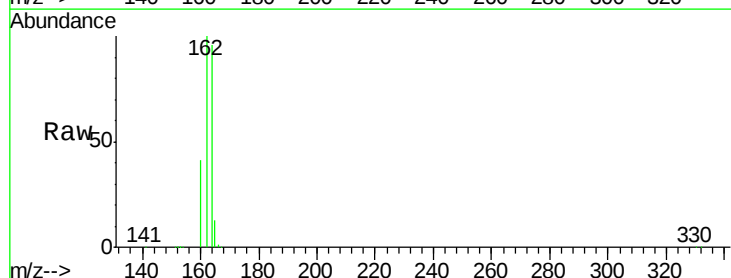
Tgt Ion: 164 Resp: 390727

Ion Ratio Lower Upper

164 100

162 104.1 87.6 131.4

160 42.9 36.7 55.1

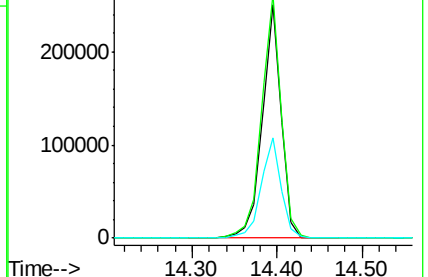
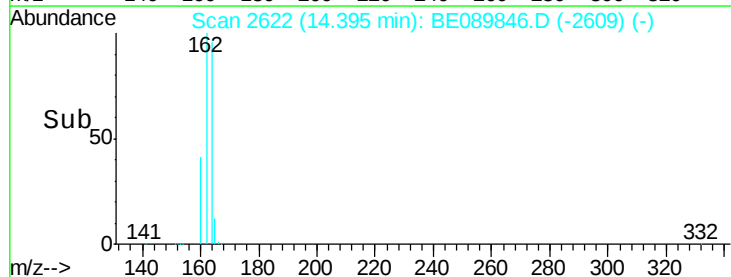


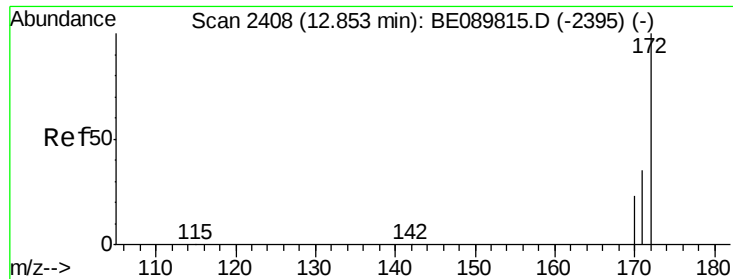
Abundance Ion 164.00 (163.70 to 164.70): BE089815.D (-2613) (-)

Ion 162.00 (161.70 to 162.70): BE089815.D (-2613) (-)

Ion 160.00 (159.70 to 160.70): BE089815.D (-2613) (-)

Time-->





#9

2-Fluorobiphenyl

Concen: 7.49 ng

RT: 12.86 min Scan# 2409

Delta R.T. 0.01 min

Lab File: BE089846.D

Acq: 25 Mar 2015 20:47

Instrument :

BNA_E

ClientSampleId :

MW-11

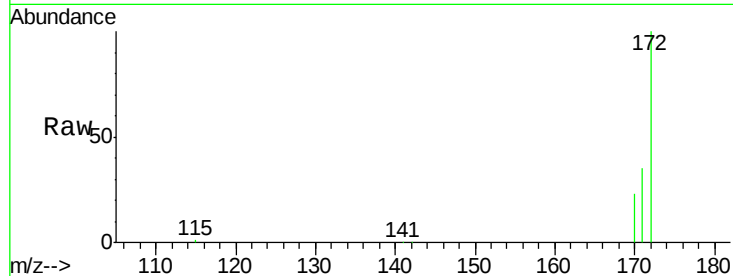
Tgt Ion:172 Resp: 684893

Ion Ratio Lower Upper

172 100

171 35.4 30.8 46.2

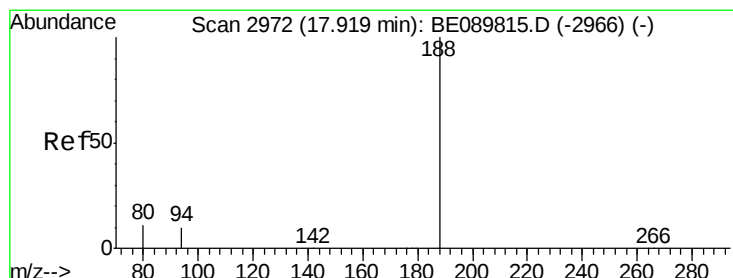
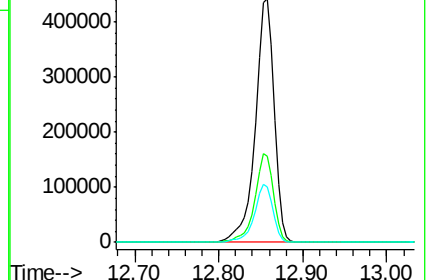
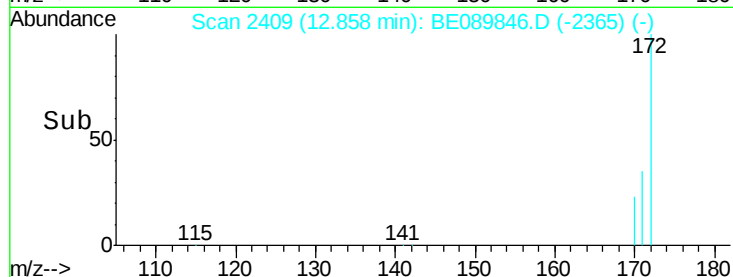
170 23.0 21.0 31.4



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



#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.93 min Scan# 2973

Delta R.T. 0.01 min

Lab File: BE089846.D

Acq: 25 Mar 2015 20:47

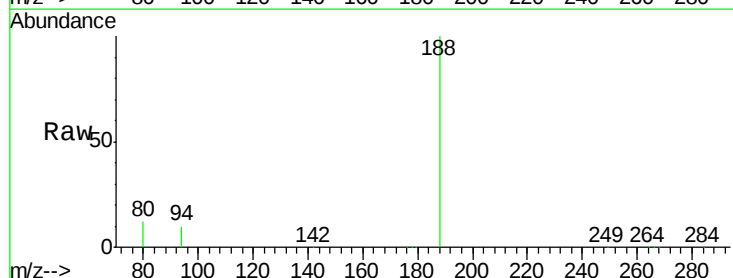
Tgt Ion:188 Resp: 641473

Ion Ratio Lower Upper

188 100

94 10.0 8.5 12.7

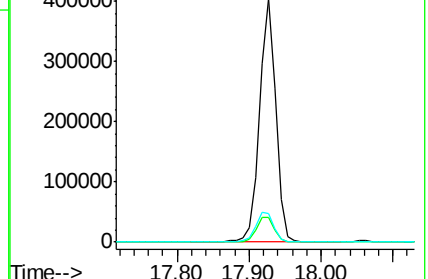
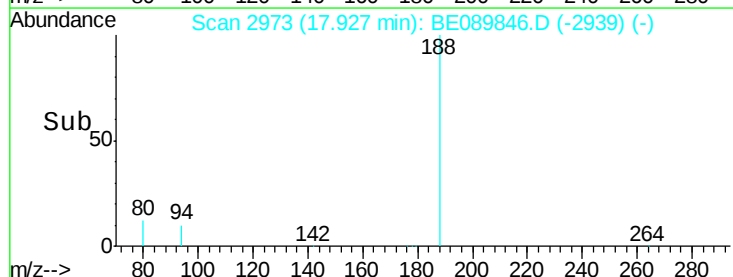
80 11.7 10.0 15.0

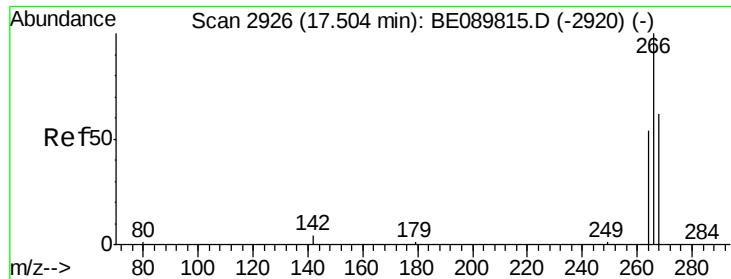


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



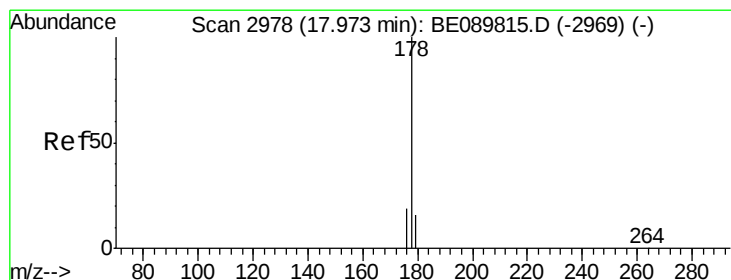
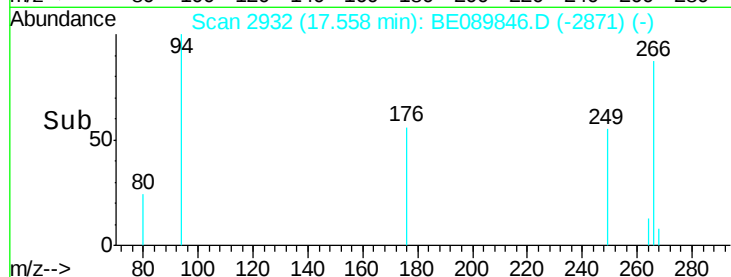
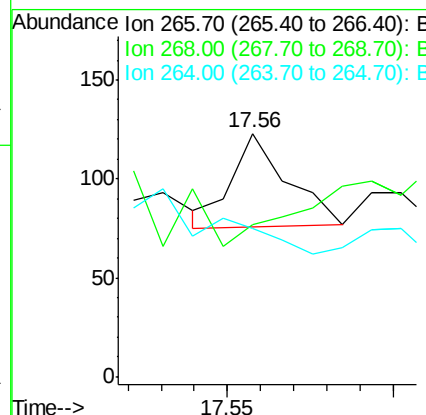
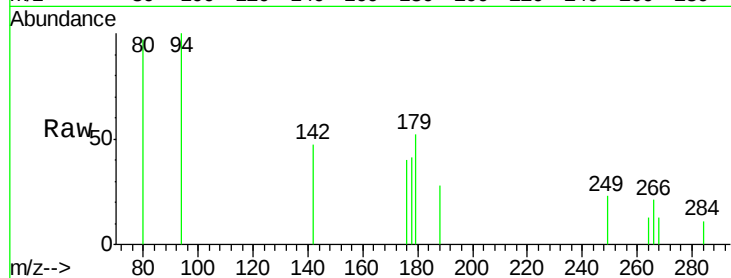


#15
 Pentachlorophenol
 Concen: Below Cal
 RT: 17.56 min Scan# 2932
 Delta R.T. 0.05 min
 Lab File: BE089846.D
 Acq: 25 Mar 2015 20:47

Instrument :
 BNA_E
 ClientSampleId :
 MW-11

Tgt Ion: 266 Resp: 55

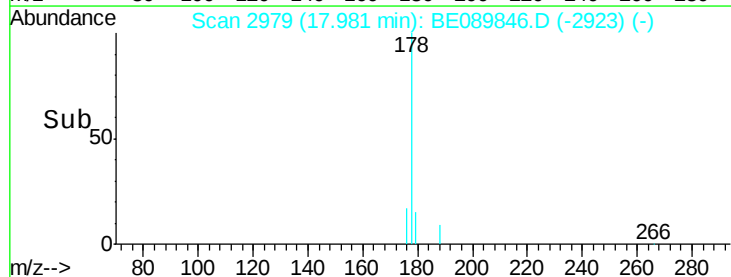
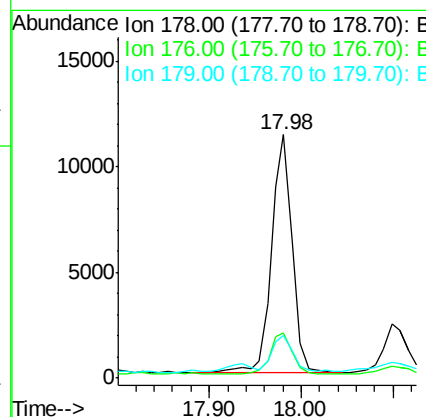
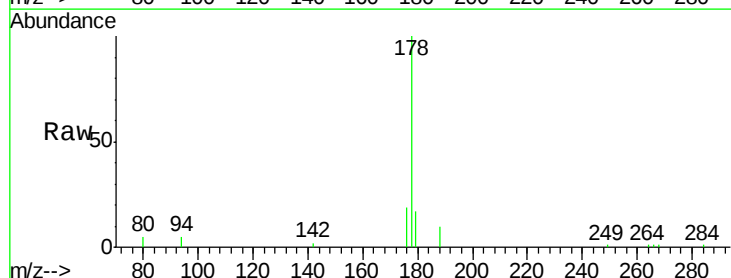
Ion	Ratio	Lower	Upper
266	100		
268	62.6	51.6	77.4
264	61.0	50.2	75.2

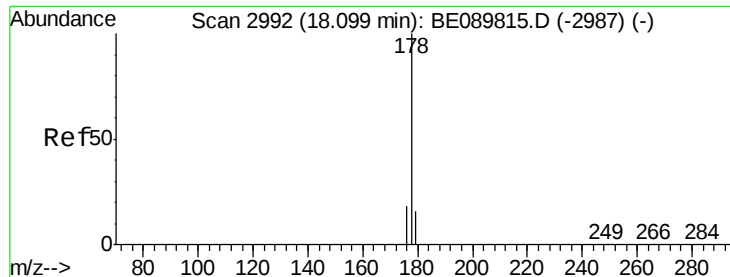


#16
 Phenanthrene
 Concen: 0.13 ng
 RT: 17.98 min Scan# 2979
 Delta R.T. 0.01 min
 Lab File: BE089846.D
 Acq: 25 Mar 2015 20:47

Tgt Ion: 178 Resp: 17693

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	14.9	12.2	18.4





#17

Anthracene

Concen: 0.14 ng

RT: 17.98 min Scan# 2979

Delta R.T. -0.12 min

Lab File: BE089846.D

Acq: 25 Mar 2015 20:47

Instrument :

BNA_E

ClientSampleId :

MW-11

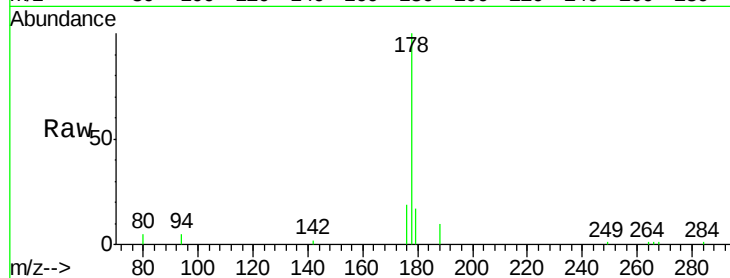
Tgt Ion:178 Resp: 17693

Ion Ratio Lower Upper

178 100

176 18.8 14.6 21.8

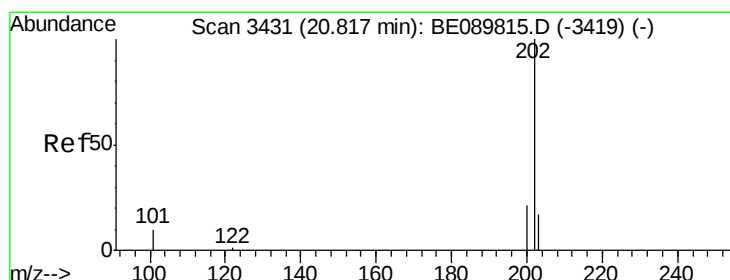
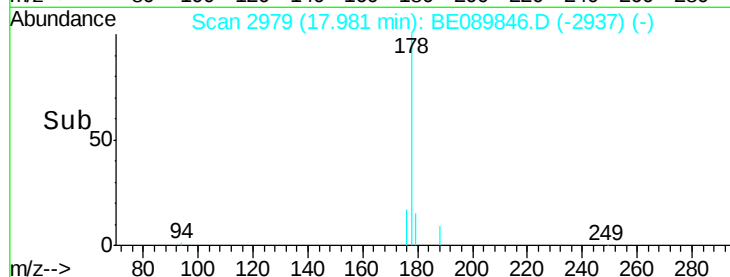
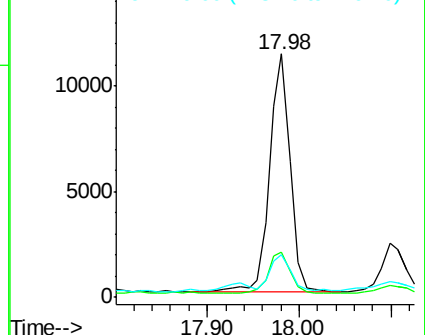
179 15.4 12.1 18.1



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



#18

Fluoranthene

Concen: 0.32 ng

RT: 20.83 min Scan# 3433

Delta R.T. 0.01 min

Lab File: BE089846.D

Acq: 25 Mar 2015 20:47

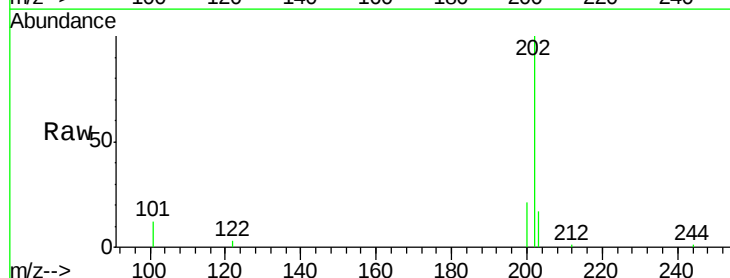
Tgt Ion:202 Resp: 40707

Ion Ratio Lower Upper

202 100

101 12.5 8.2 12.2#

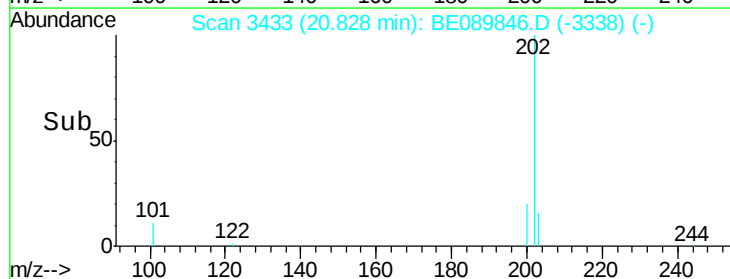
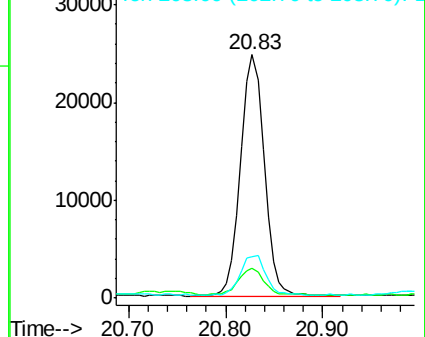
203 17.9 14.2 21.4

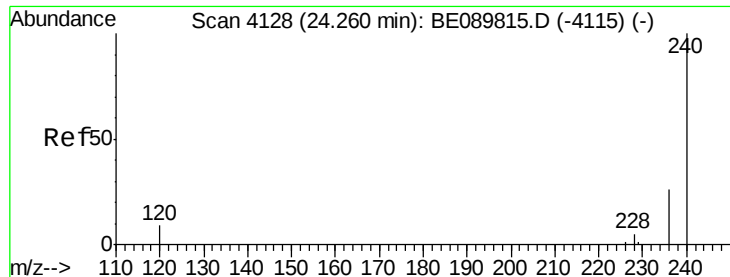


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Chrysene-d12

Concen: 5.00 ng

RT: 24.27 min Scan# 4130

Delta R.T. 0.01 min

Lab File: BE089846.D

Acq: 25 Mar 2015 20:47

Instrument :

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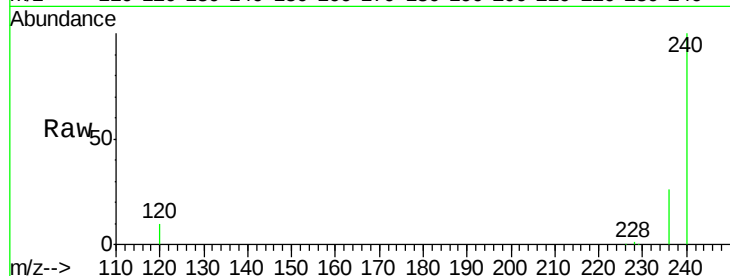
Tgt Ion:240 Resp: 594740

Ion Ratio Lower Upper

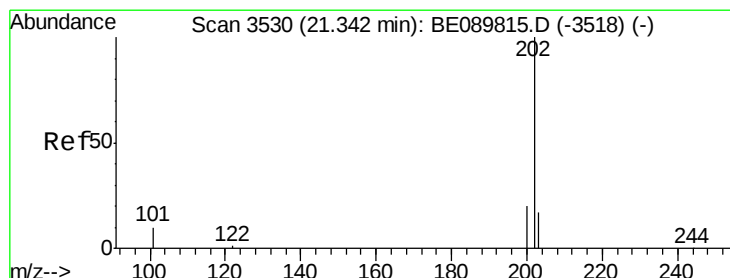
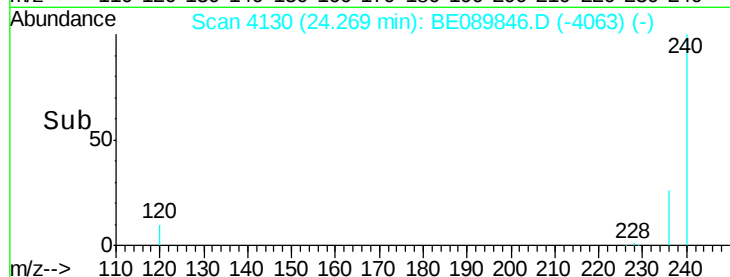
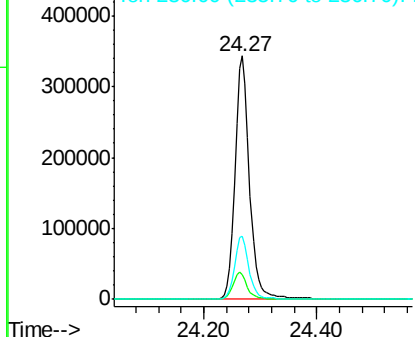
240 100

120 10.0 7.5 11.3

236 25.9 20.5 30.7



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



#20

Pyrene

Concen: 0.23 ng

RT: 21.35 min Scan# 3531

Delta R.T. 0.00 min

Lab File: BE089846.D

Acq: 25 Mar 2015 20:47

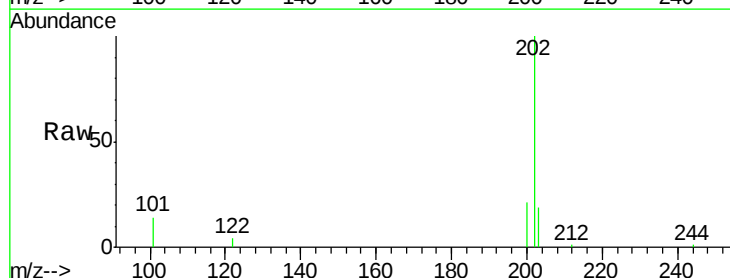
Tgt Ion:202 Resp: 34473

Ion Ratio Lower Upper

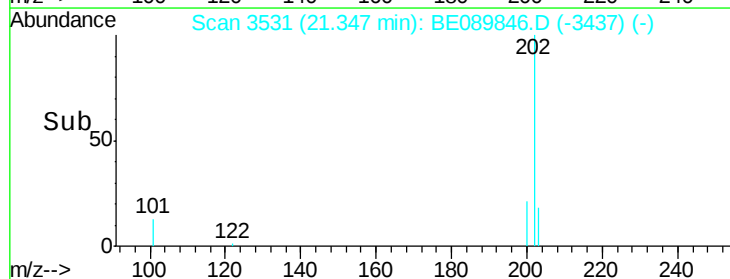
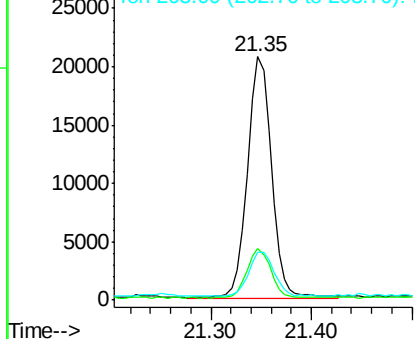
202 100

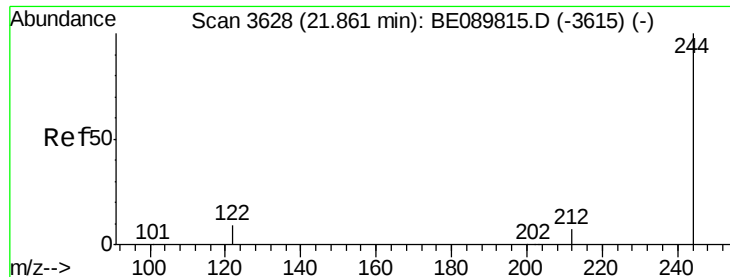
200 20.2 15.9 23.9

203 19.4 13.6 20.4



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

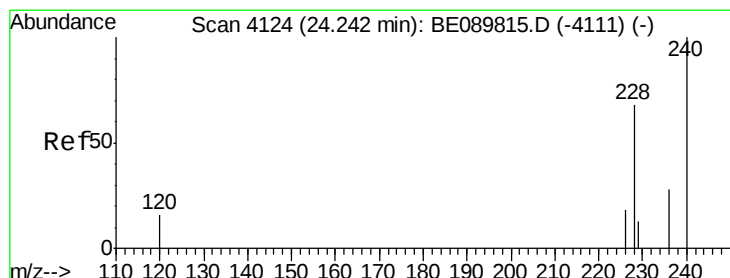
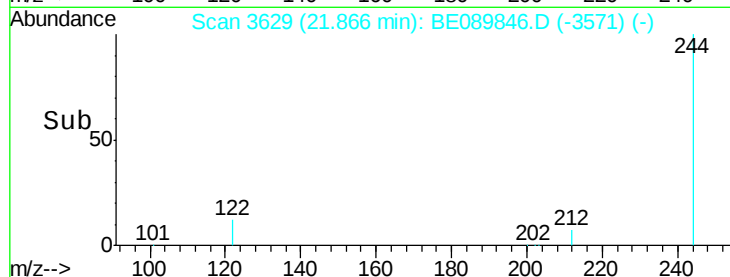
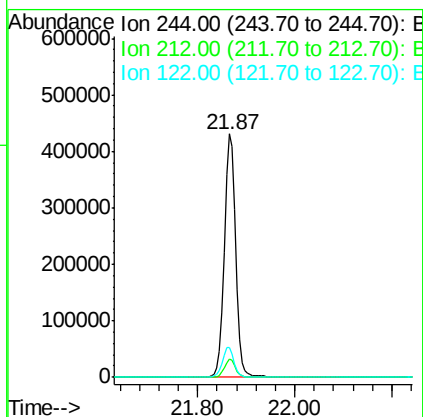
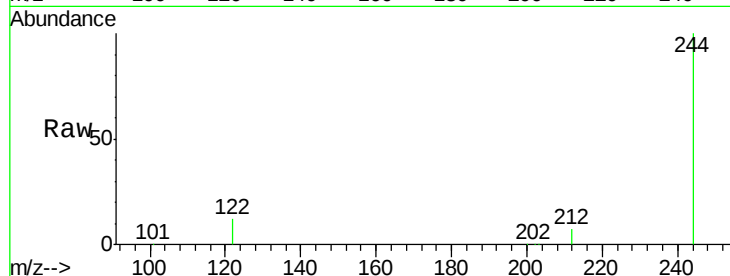




#21
 Terphenyl-d14
 Concen: 7.99 ng
 RT: 21.87 min Scan# 3629
 Delta R.T. 0.01 min
 Lab File: BE089846.D
 Acq: 25 Mar 2015 20:47

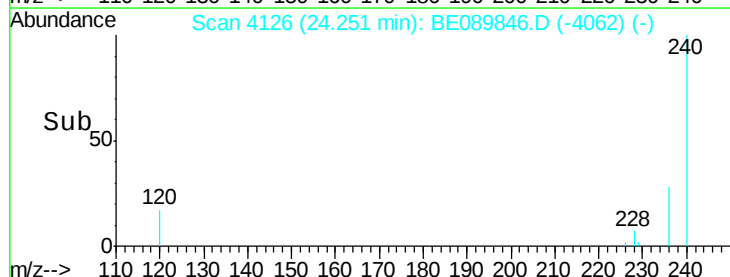
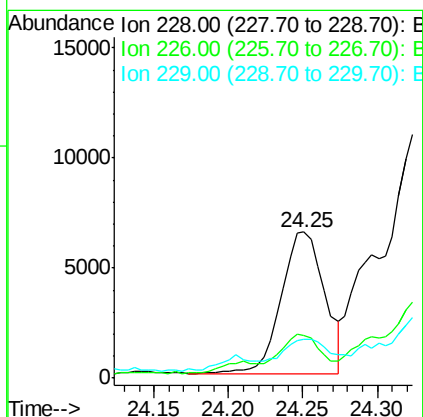
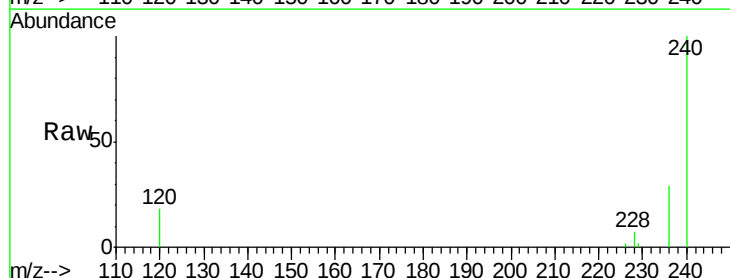
Instrument :
 BNA_E
 ClientSampleId :
 MW-11

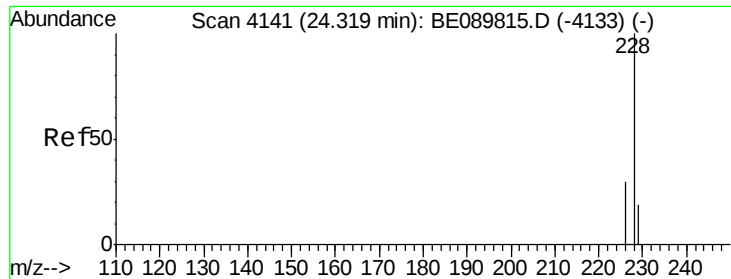
Tgt Ion:244 Resp: 700879
 Ion Ratio Lower Upper
 244 100
 212 7.4 7.3 10.9
 122 12.4 10.5 15.7



#22
 Benzo(a)anthracene
 Concen: 0.12 ng
 RT: 24.25 min Scan# 4126
 Delta R.T. 0.00 min
 Lab File: BE089846.D
 Acq: 25 Mar 2015 20:47

Tgt Ion:228 Resp: 13049
 Ion Ratio Lower Upper
 228 100
 226 29.2 19.8 29.8
 229 26.6 16.3 24.5#





#23

Chrysene

Concen: 0.25 ng

RT: 24.32 min Scan# 4142

Delta R.T. 0.01 min

Lab File: BE089846.D

Acq: 25 Mar 2015 20:47

Instrument :

BNA_E

ClientSampled :

MW-11

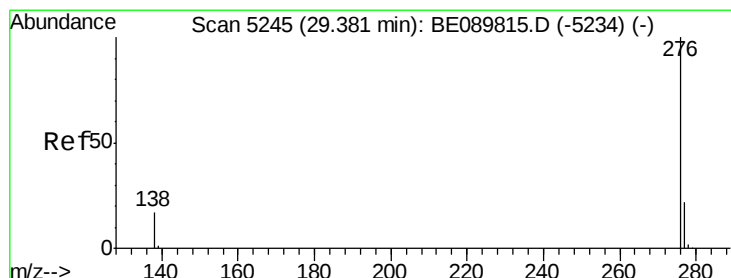
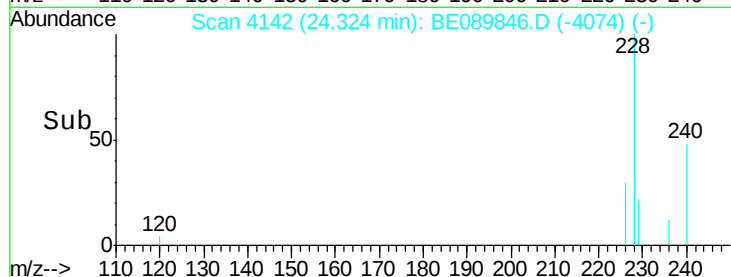
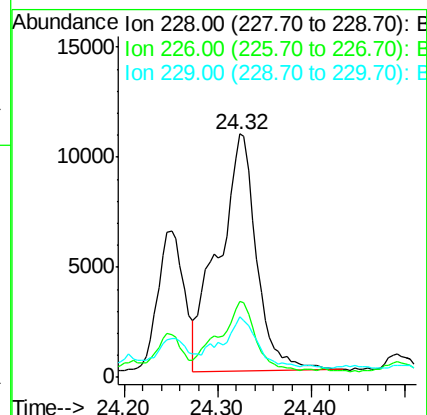
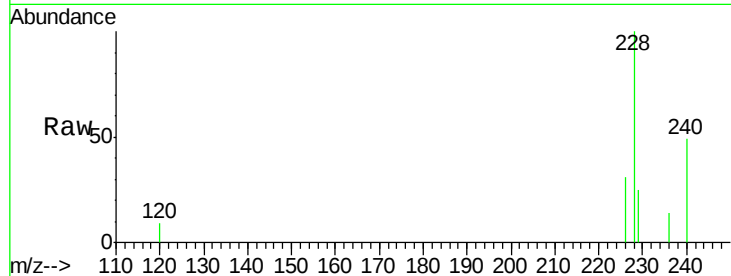
Tgt Ion:228 Resp: 30168

Ion Ratio Lower Upper

228 100

226 31.2 23.0 34.4

229 24.7 15.8 23.6#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.54 ng

RT: 29.39 min Scan# 5248

Delta R.T. 0.01 min

Lab File: BE089846.D

Acq: 25 Mar 2015 20:47

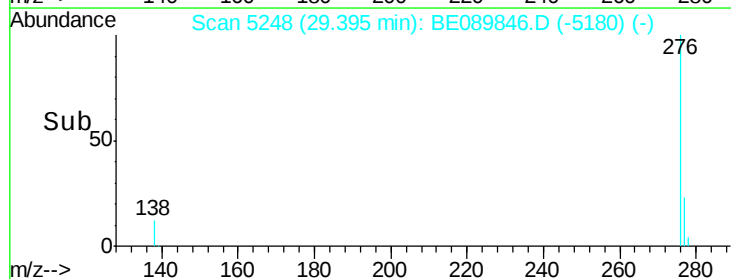
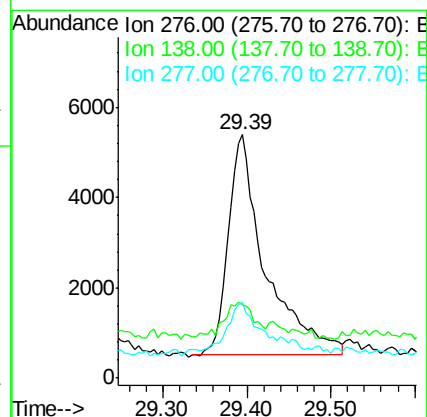
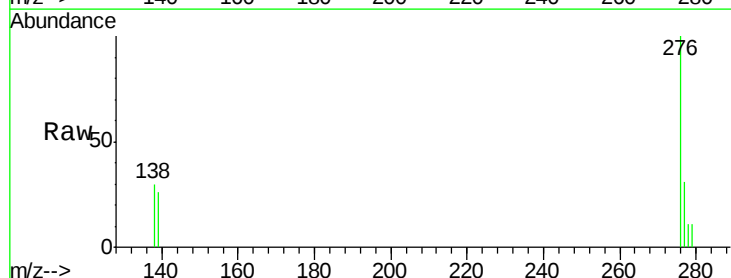
Tgt Ion:276 Resp: 15021

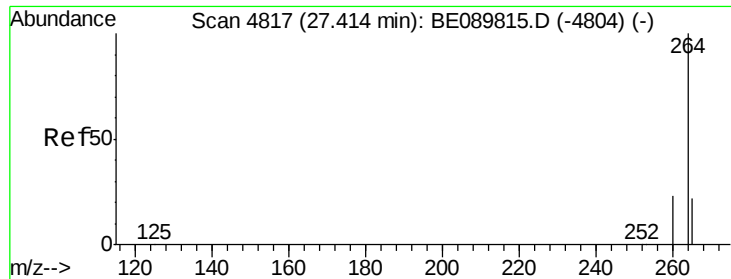
Ion Ratio Lower Upper

276 100

138 12.7 4.3 6.5#

277 20.8 9.0 13.4#

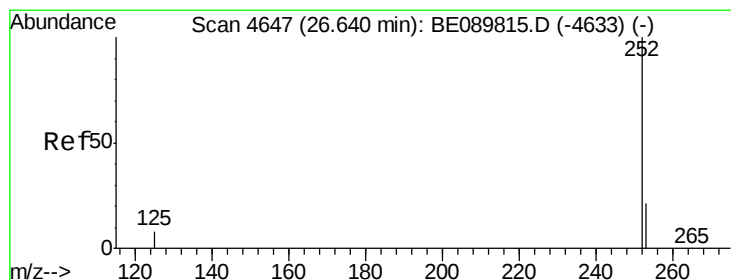
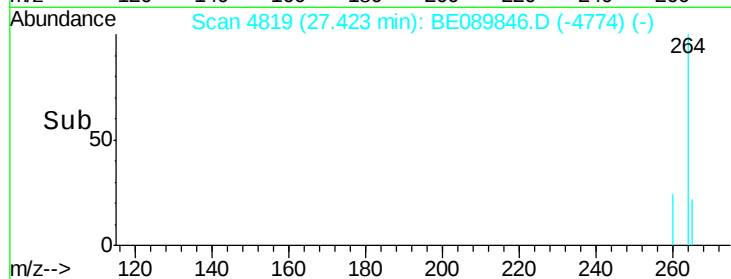
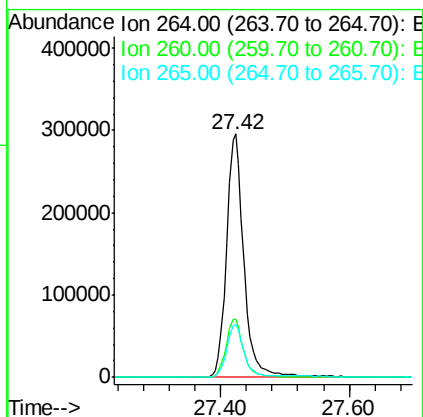
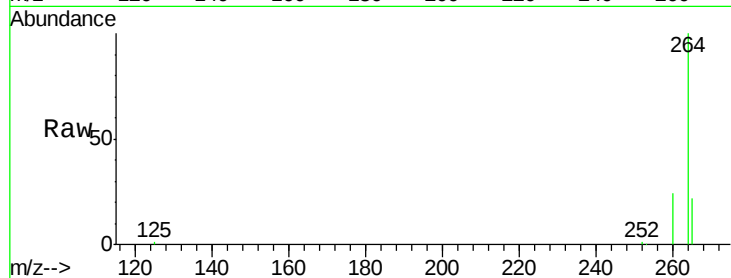




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 27.42 min Scan# 4819
 Delta R.T. 0.01 min
 Lab File: BE089846.D
 Acq: 25 Mar 2015 20:47

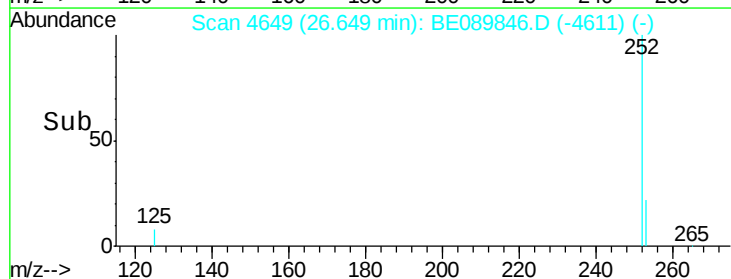
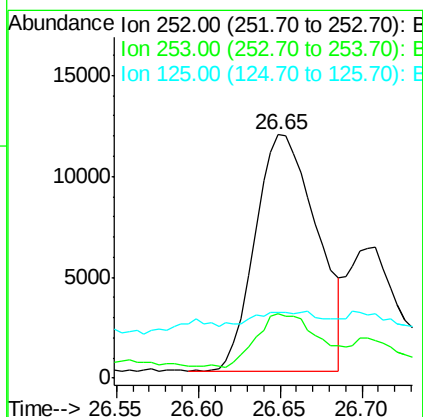
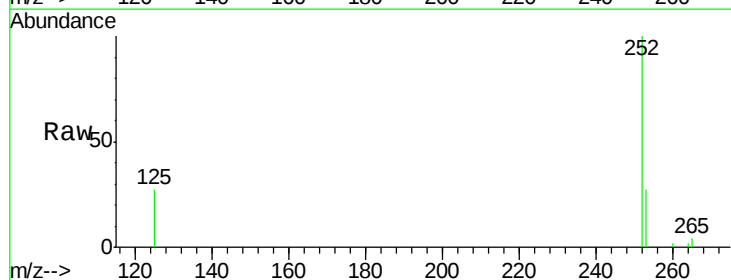
Instrument :
 BNA_E
 ClientSampleId :
 MW-11

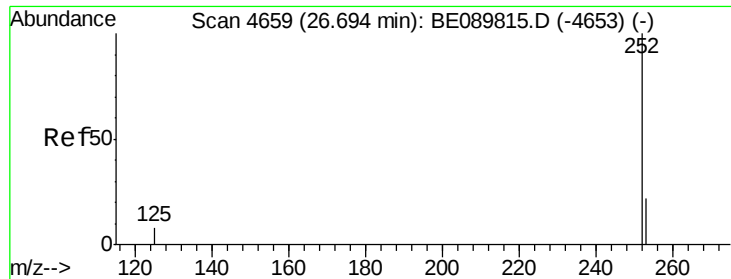
Tgt Ion: 264 Resp: 553539
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.2 27.2
 265 22.0 17.3 25.9



#26
 Benzo(b)fluoranthene
 Concen: 0.56 ng
 RT: 26.65 min Scan# 4649
 Delta R.T. 0.01 min
 Lab File: BE089846.D
 Acq: 25 Mar 2015 20:47

Tgt Ion: 252 Resp: 30926
 Ion Ratio Lower Upper
 252 100
 253 26.6 17.8 26.6
 125 27.0 8.7 13.1#





#27

Benzo(k)fluoranthene

Concen: 0.13 ng

RT: 26.71 min Scan# 4662

Delta R.T. 0.01 min

Lab File: BE089846.D

Acq: 25 Mar 2015 20:47

Instrument :

BNA_E

ClientSampleId :

MW-11

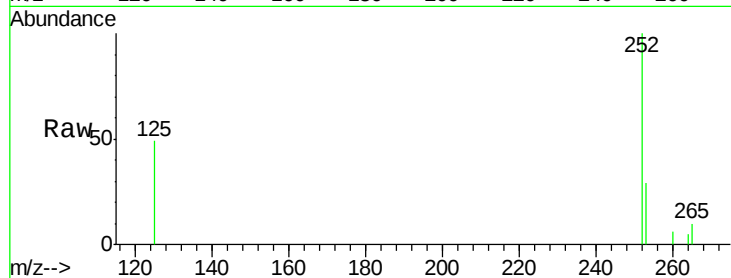
Tgt Ion:252 Resp: 14587

Ion Ratio Lower Upper

252 100

253 28.7 18.6 28.0#

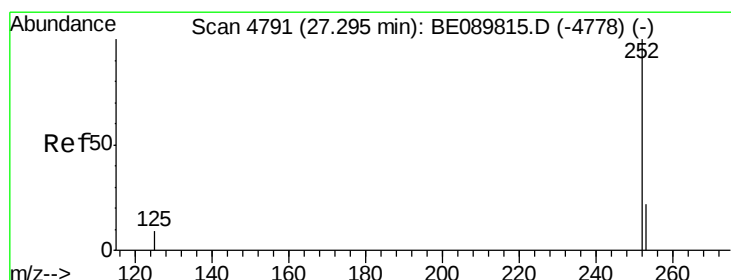
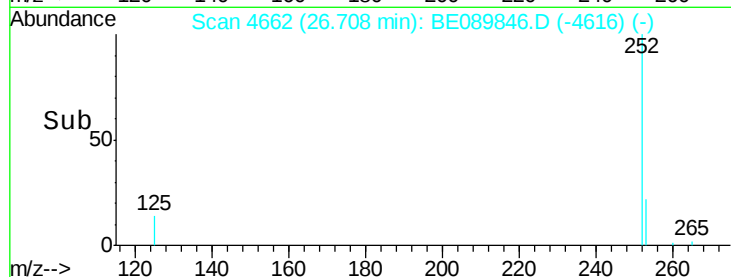
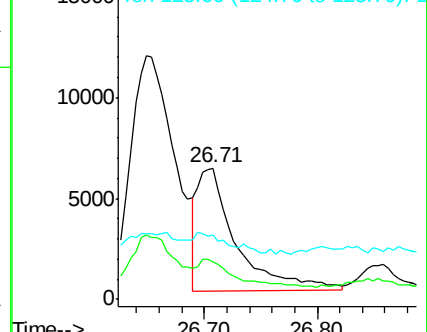
125 49.5 10.8 16.2#



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



#28

Benzo(a)pyrene

Concen: 0.41 ng

RT: 27.30 min Scan# 4793

Delta R.T. 0.00 min

Lab File: BE089846.D

Acq: 25 Mar 2015 20:47

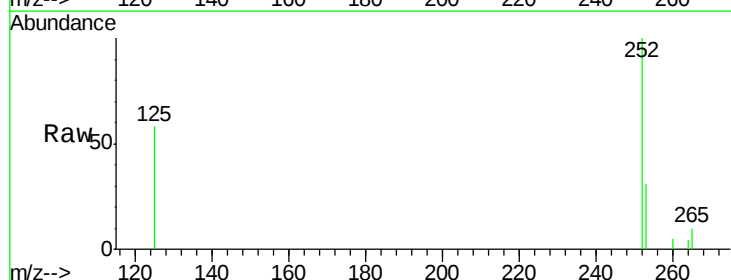
Tgt Ion:252 Resp: 13623

Ion Ratio Lower Upper

252 100

253 31.1 21.0 31.4

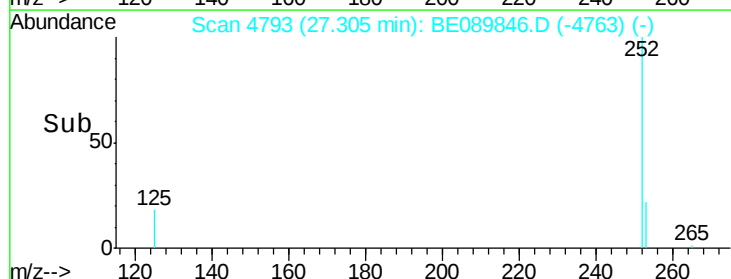
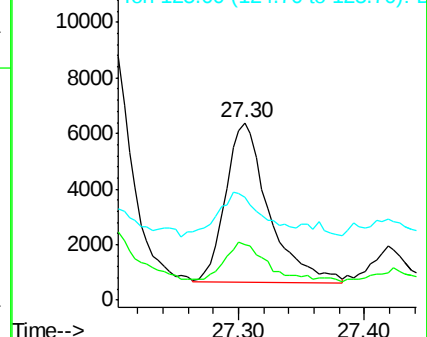
125 58.1 13.3 19.9#

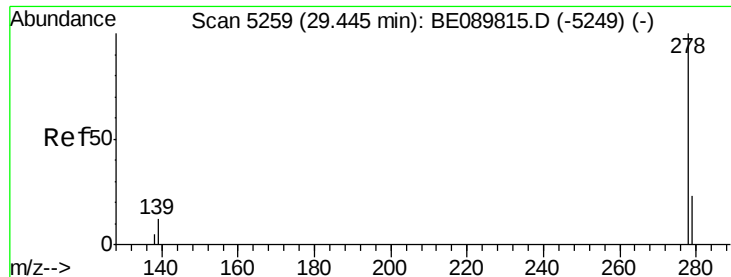


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#29

Dibenzo(a,h)anthracene

Concen: 0.28 ng

RT: 29.45 min Scan# 5260

Delta R.T. 0.01 min

Lab File: BE089846.D

Acq: 25 Mar 2015 20:47

Instrument :

BNA_E

ClientSampleId :

MW-11

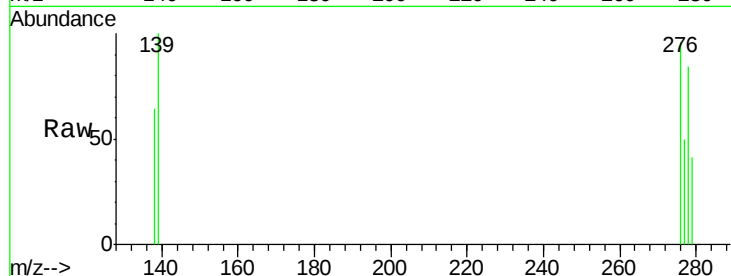
Tgt Ion:278 Resp: 2051

Ion Ratio Lower Upper

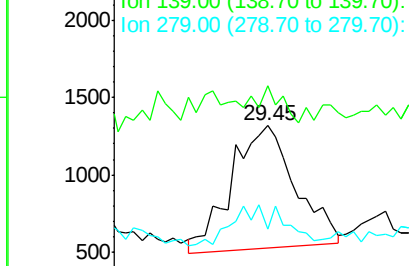
278 100

139 119.5 20.0 30.0#

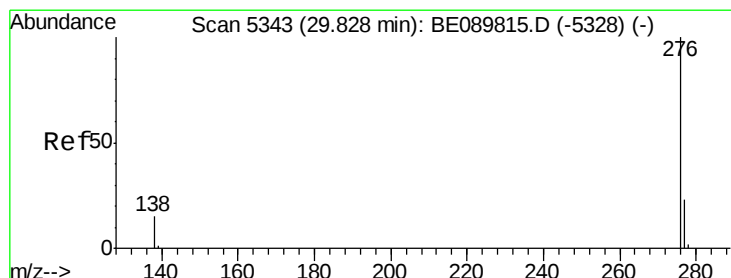
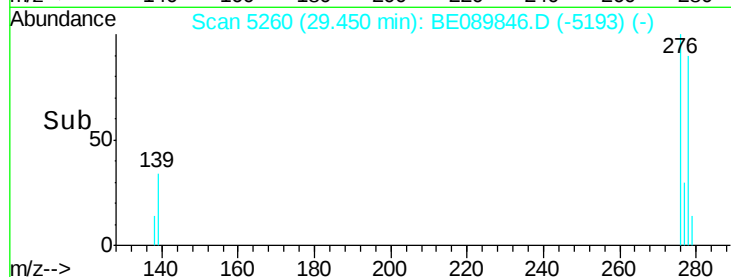
279 49.2 28.9 43.3#



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



Time-->



#30

Benzo(g,h,i)perylene

Concen: 0.40 ng

RT: 29.84 min Scan# 5345

Delta R.T. 0.02 min

Lab File: BE089846.D

Acq: 25 Mar 2015 20:47

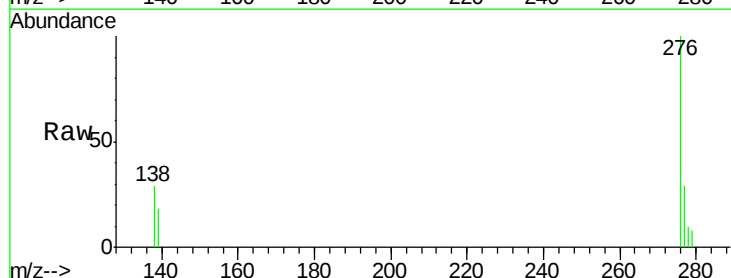
Tgt Ion:276 Resp: 18136

Ion Ratio Lower Upper

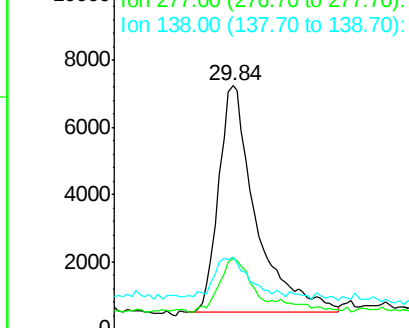
276 100

277 29.0 19.2 28.8#

138 29.5 22.9 34.3



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



Time-->

