

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032515\
 Data File : BE089849.D
 Acq On : 25 Mar 2015 22:50
 Operator : TP/JJ
 Sample : G1575-12
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-14

Quant Time: Mar 26 03:29:44 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

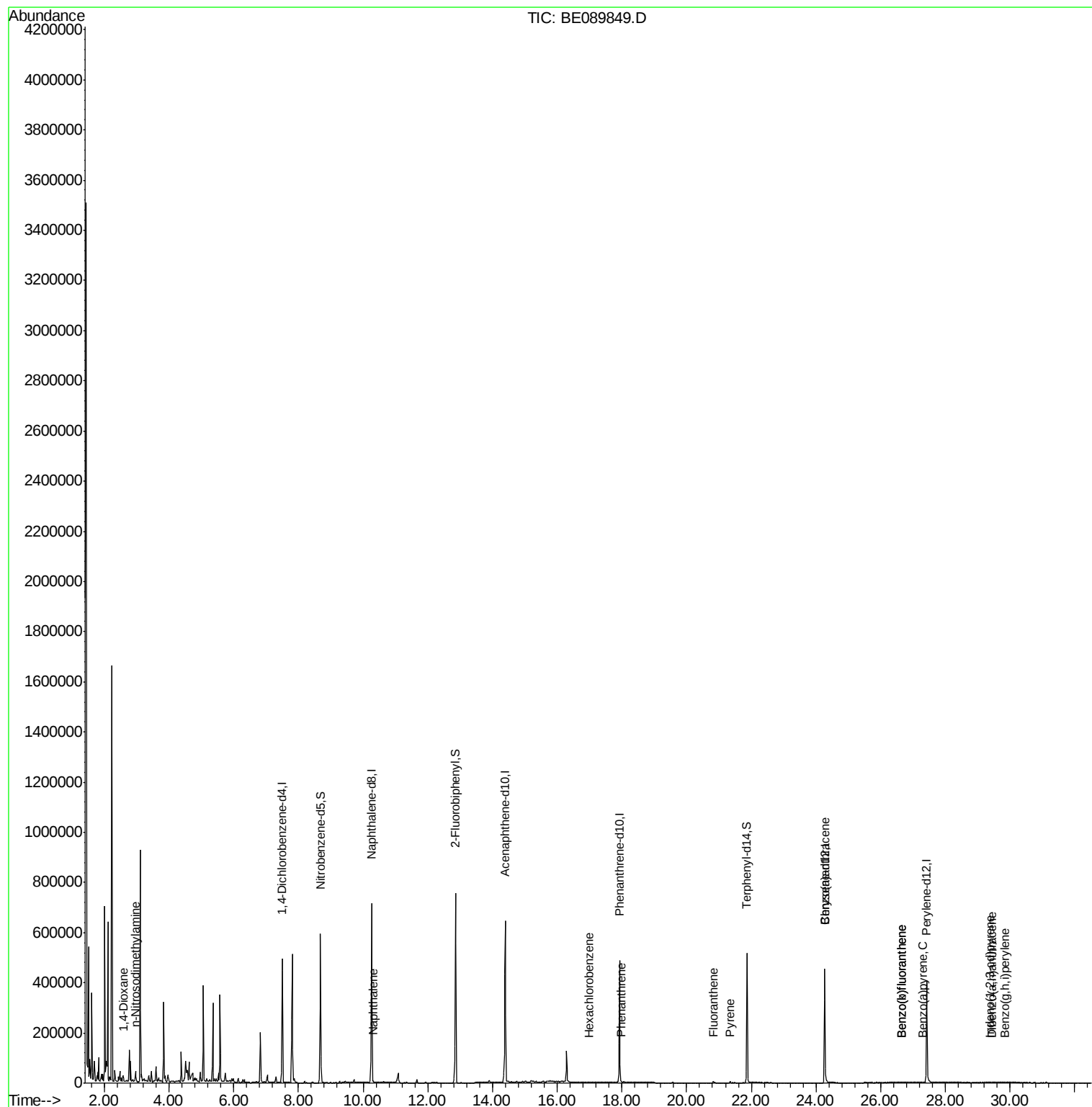
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	225462	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	891247	5.00	ng	0.00
8) Acenaphthene-d10	14.40	164	378626	5.00	ng	0.01
13) Phenanthrene-d10	17.93	188	628286	5.00	ng	0.00
19) Chrysene-d12	24.27	240	565307	5.00	ng	0.00
25) Perylene-d12	27.42	264	529688	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	493939	7.62	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	747270	8.43	ng	0.00
21) Terphenyl-d14	21.87	244	722123	8.66	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.59	88	5234	0.17	ng	# 72
3) n-Nitrosodimethylamine	2.97	42	3007	0.07	ng	# 21
6) Naphthalene	10.31	128	11096	0.06	ng	# 95
14) Hexachlorobenzene	16.99	284	523	0.03	ng	# 59
15) Pentachlorophenol	17.51	266	821	Below Cal		# 99
16) Phenanthrene	17.98	178	3111	0.02	ng	# 90
18) Fluoranthene	20.83	202	5727	0.05	ng	# 94
20) Pyrene	21.35	202	5052	0.04	ng	# 94
22) Benzo(a)anthracene	24.27	228	2442	0.02	ng	# 71
24) Indeno(1,2,3-cd)pyrene	29.38	276	1314	0.43	ng	# 76
26) Benzo(b)fluoranthene	26.65	252	2701	0.33	ng	# 7
27) Benzo(k)fluoranthene	26.65	252	2701	0.02	ng	# 11
28) Benzo(a)pyrene	27.30	252	1082	0.31	ng	# 1
29) Dibenzo(a,h)anthracene	29.43	278	37	0.26	ng	# 1
30) Benzo(g,h,i)perylene	29.83	276	1720	0.27	ng	# 47

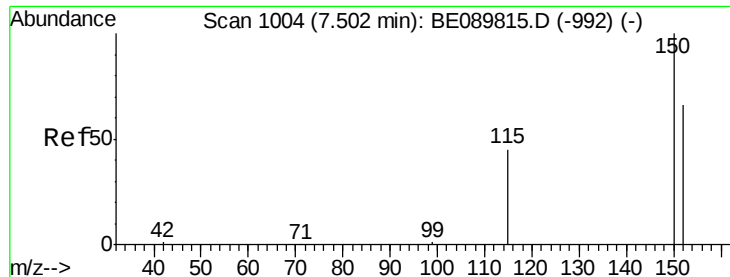
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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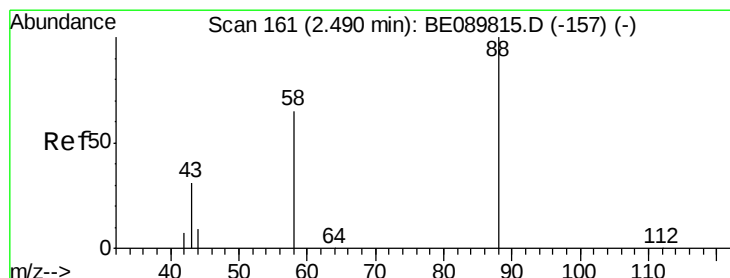
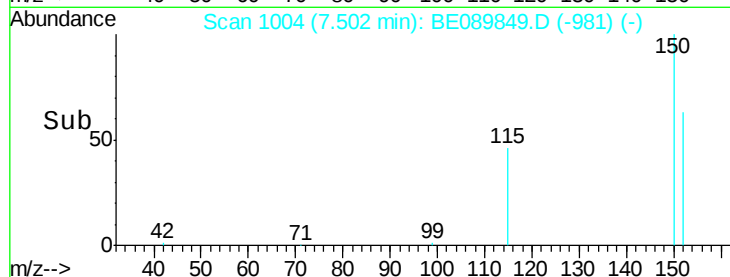
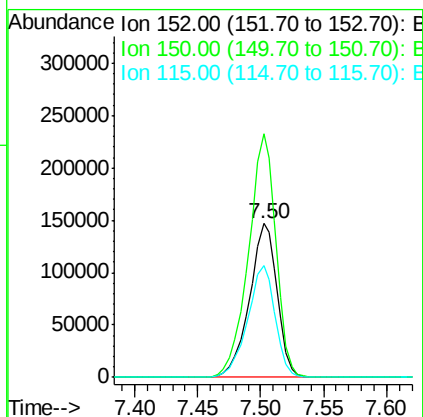
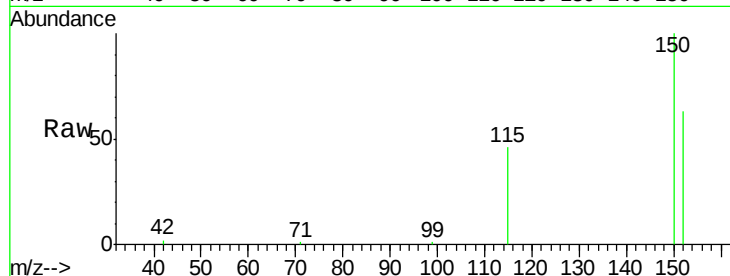




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.50 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BE089849.D
 Acq: 25 Mar 2015 22:50

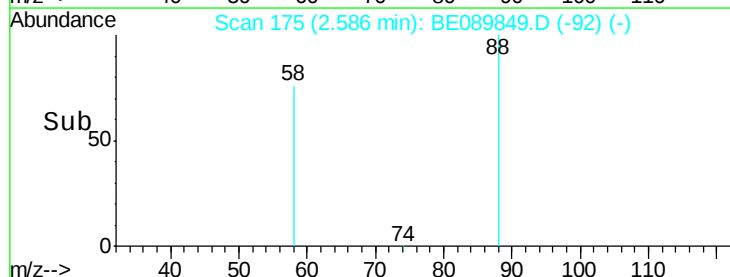
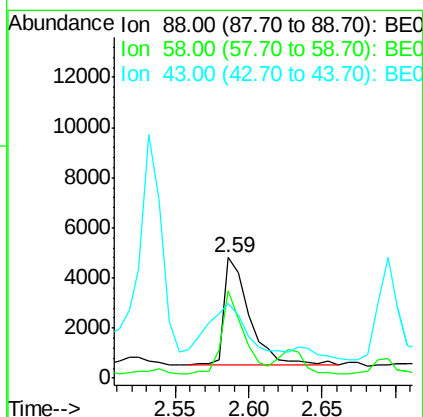
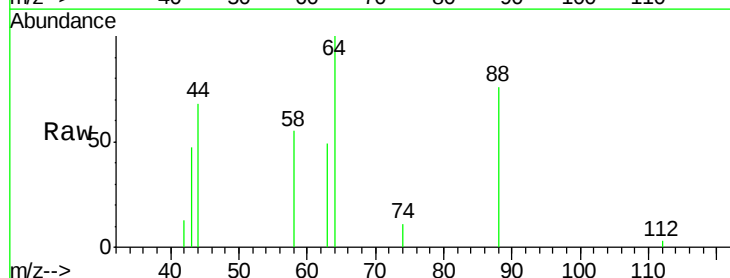
Instrument :
 BNA_E
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 MW-14

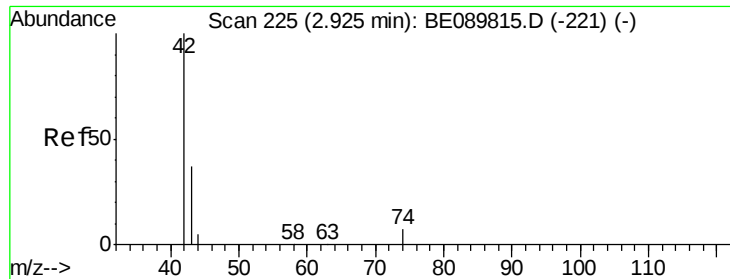
Tgt Ion: 152 Resp: 225462
 Ion Ratio Lower Upper
 152 100
 150 158.5 125.5 188.3
 115 73.2 58.0 87.0



#2
 1,4-Dioxane
 Concen: 0.17 ng
 RT: 2.59 min Scan# 175
 Delta R.T. 0.06 min
 Lab File: BE089849.D
 Acq: 25 Mar 2015 22:50

Tgt Ion: 88 Resp: 5234
 Ion Ratio Lower Upper
 88 100
 58 67.5 48.6 72.8
 43 0.0 28.6 43.0#



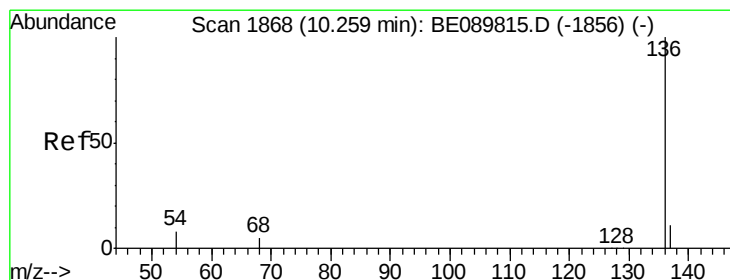
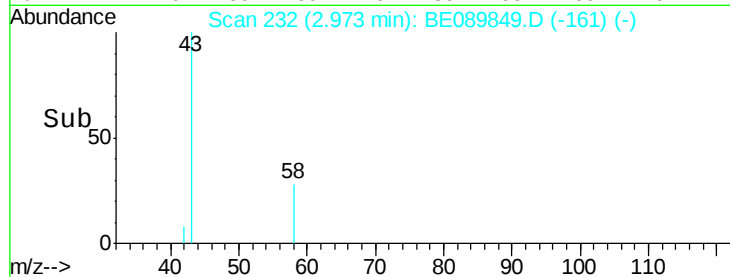
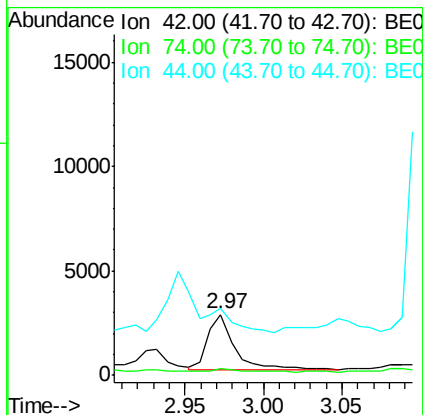
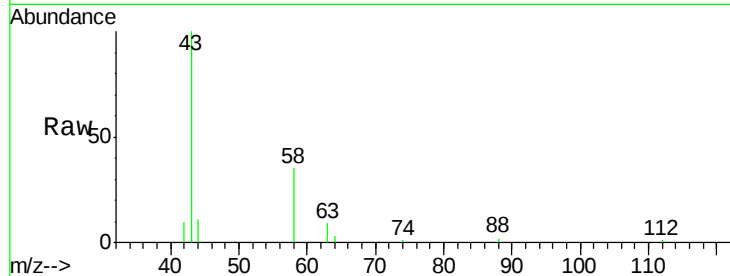


#3

n-Nitrosodimethylamine
 Concen: 0.07 ng
 RT: 2.97 min Scan# 232
 Delta R.T. -0.02 min
 Lab File: BE089849.D
 Acq: 25 Mar 2015 22:50

Instrument :
 BNA_E
 ClientSampleId :
 MW-14

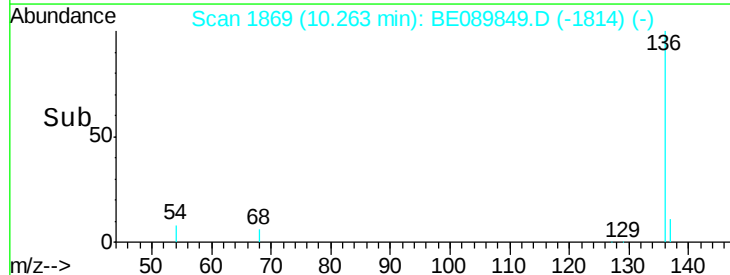
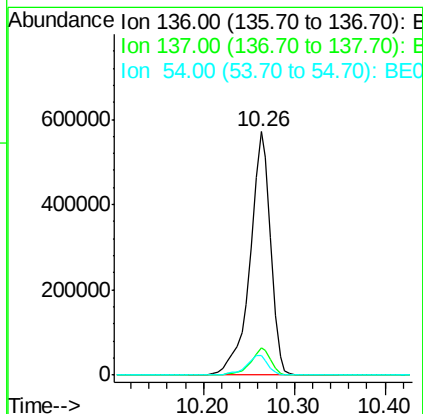
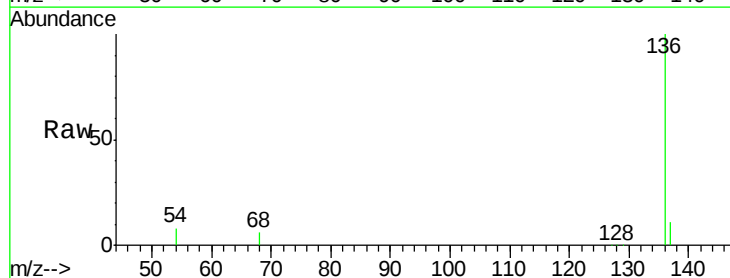
Tgt Ion: 42 Resp: 3007
 Ion Ratio Lower Upper
 42 100
 74 9.1 68.7 103.1#
 44 0.0 6.2 9.4#

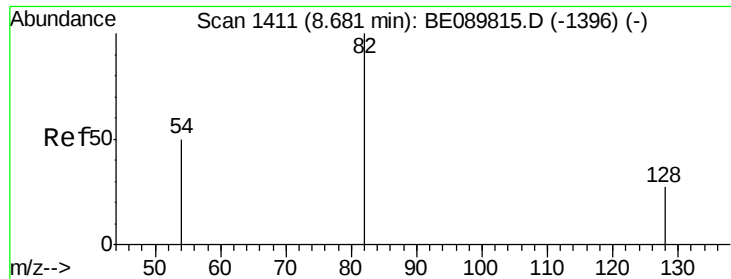


#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 10.26 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: BE089849.D
 Acq: 25 Mar 2015 22:50

Tgt Ion: 136 Resp: 891247
 Ion Ratio Lower Upper
 136 100
 137 11.1 8.8 13.2
 54 8.3 7.0 10.4





#5

Nitrobenzene-d5

Concen: 7.62 ng

RT: 8.68 min Scan# 1413

Delta R.T. 0.00 min

Lab File: BE089849.D

Acq: 25 Mar 2015 22:50

Instrument :

BNA_E

ClientSampleId :

MW-14

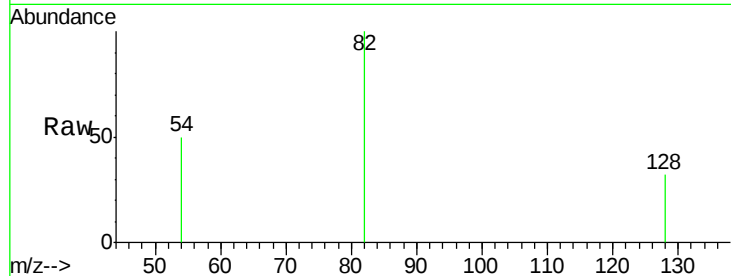
Tgt Ion: 82 Resp: 493939

Ion Ratio Lower Upper

82 100

128 32.4 24.6 37.0

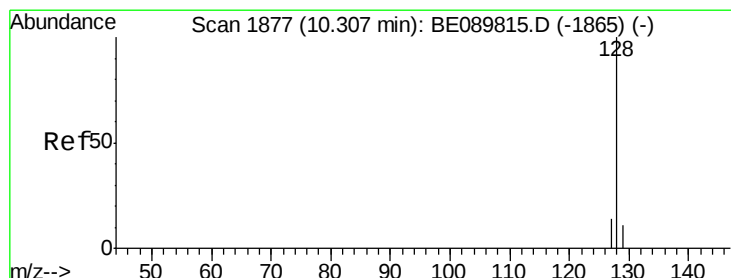
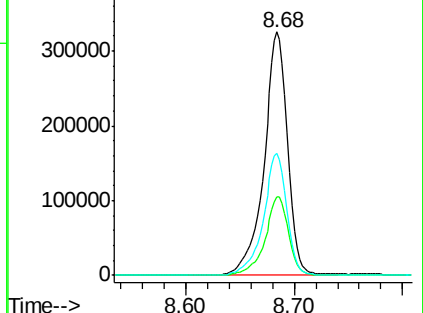
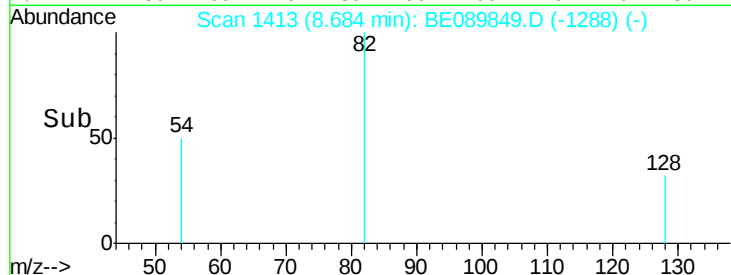
54 50.0 43.0 64.6



Abundance Ion 82.00 (81.70 to 82.70): BE089849.D (-1288) (-)

Ion 128.00 (127.70 to 128.70): BE089849.D (-1288) (-)

Ion 54.00 (53.70 to 54.70): BE089849.D (-1288) (-)



#6

Naphthalene

Concen: 0.06 ng

RT: 10.31 min Scan# 1878

Delta R.T. 0.01 min

Lab File: BE089849.D

Acq: 25 Mar 2015 22:50

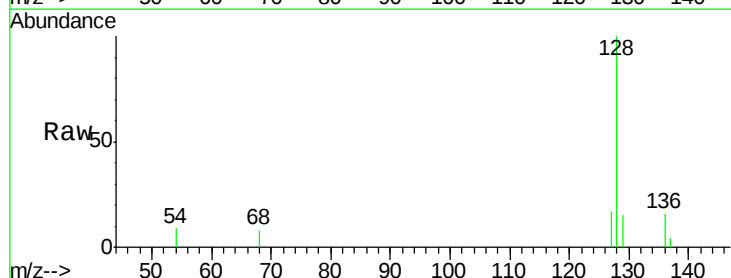
Tgt Ion: 128 Resp: 11096

Ion Ratio Lower Upper

128 100

129 14.7 10.0 15.0

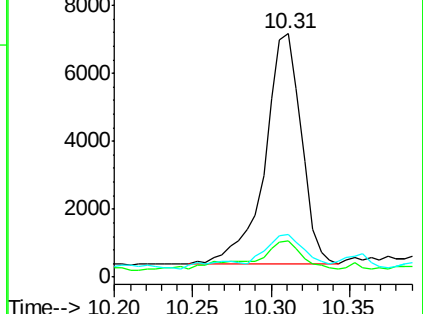
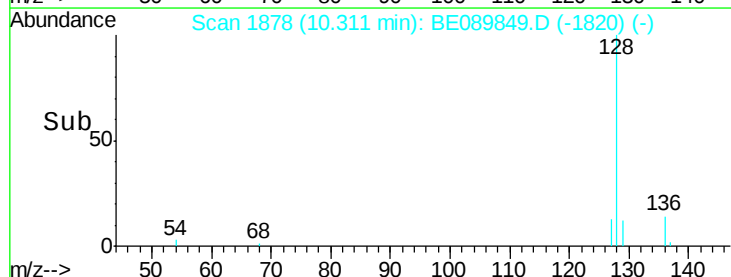
127 17.3 12.5 18.7

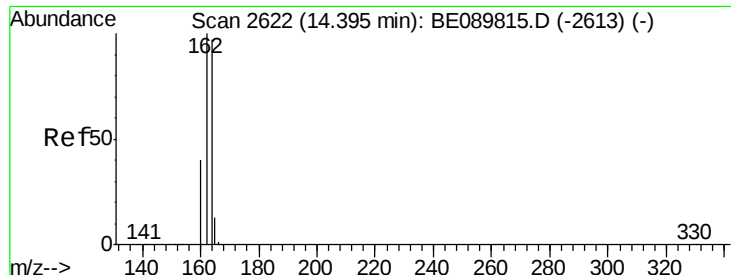


Abundance Ion 128.00 (127.70 to 128.70): BE089849.D (-1820) (-)

Ion 129.00 (128.70 to 129.70): BE089849.D (-1820) (-)

Ion 127.00 (126.70 to 127.70): BE089849.D (-1820) (-)





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 2623

Delta R.T. 0.01 min

Lab File: BE089849.D

Acq: 25 Mar 2015 22:50

Instrument :

BNA_E

ClientSampleId :

MW-14

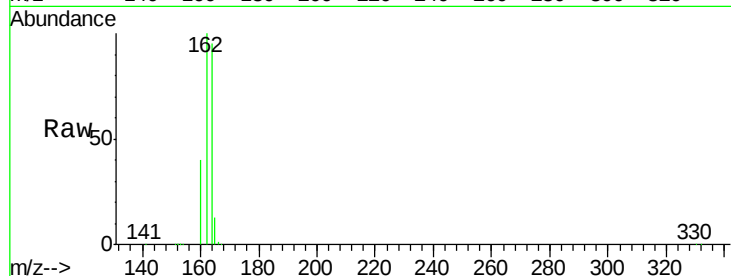
Tgt Ion:164 Resp: 378626

Ion Ratio Lower Upper

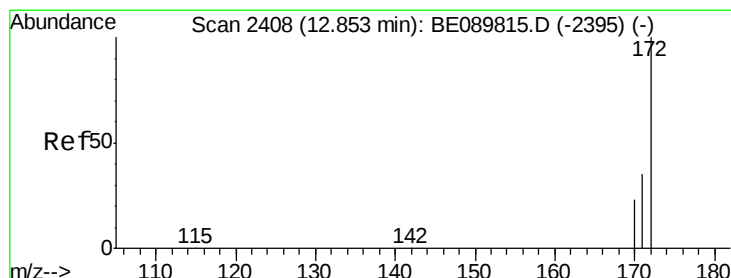
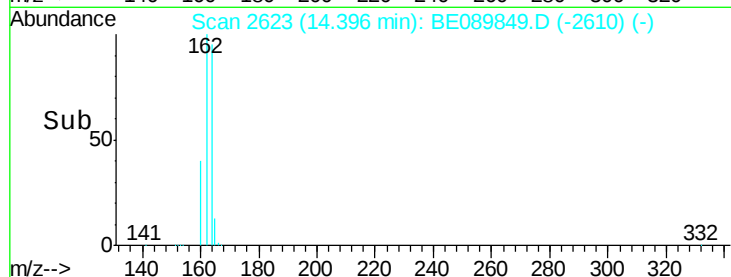
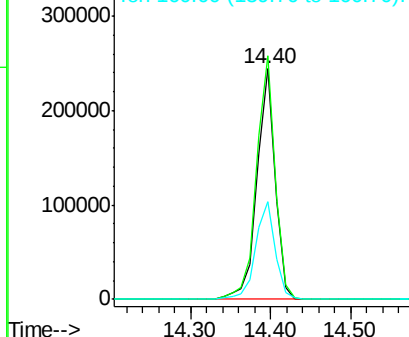
164 100

162 105.5 87.6 131.4

160 42.3 36.7 55.1



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



#9

2-Fluorobiphenyl

Concen: 8.43 ng

RT: 12.86 min Scan# 2410

Delta R.T. 0.01 min

Lab File: BE089849.D

Acq: 25 Mar 2015 22:50

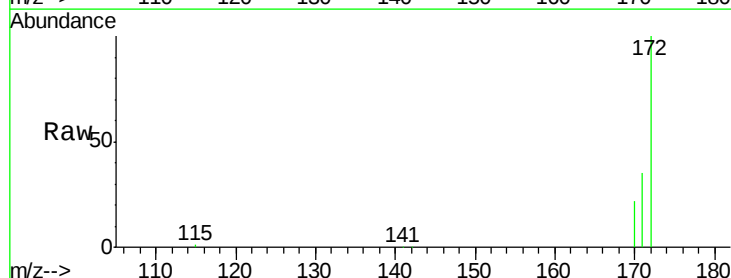
Tgt Ion:172 Resp: 747270

Ion Ratio Lower Upper

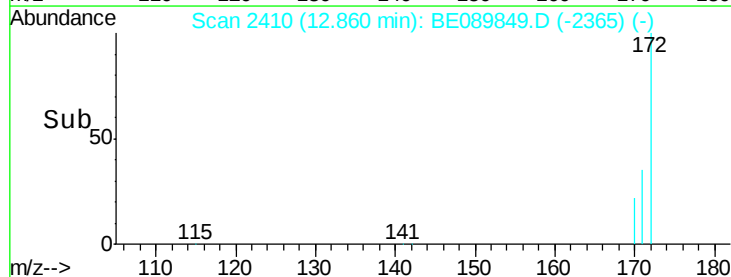
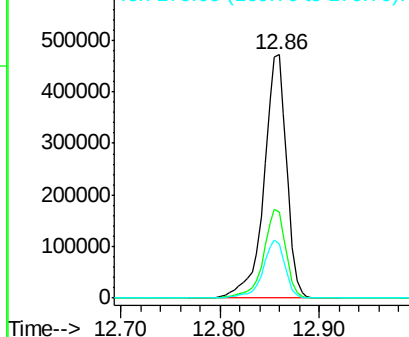
172 100

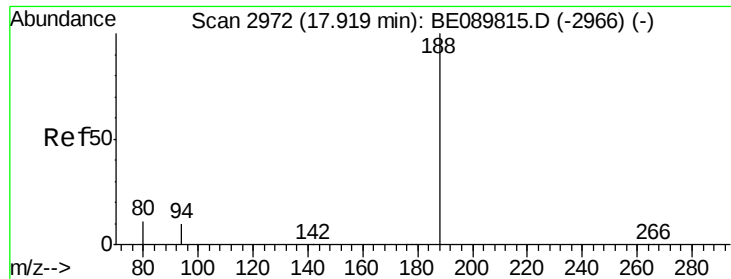
171 35.4 30.8 46.2

170 22.3 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

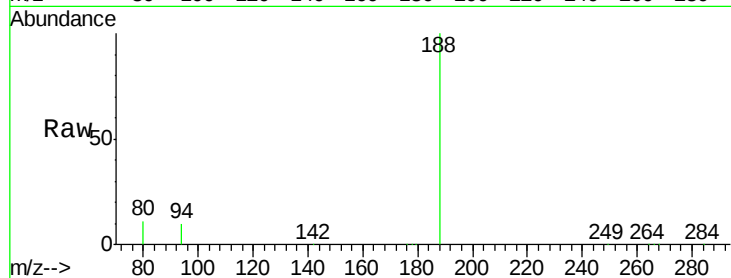




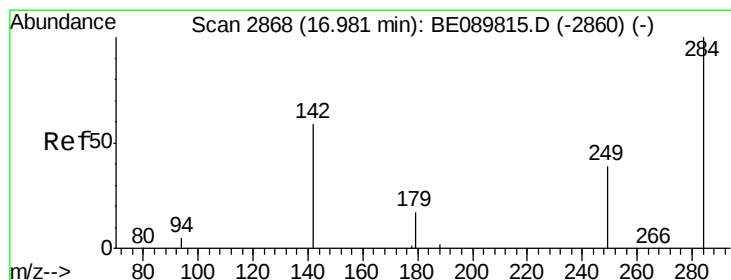
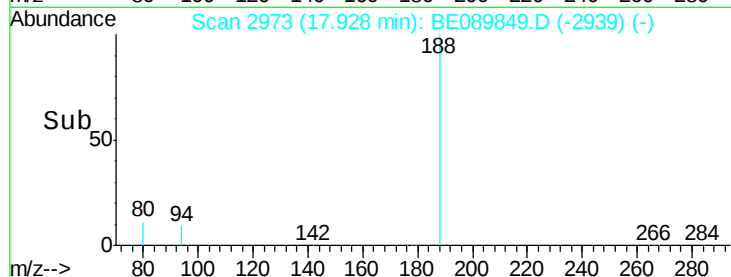
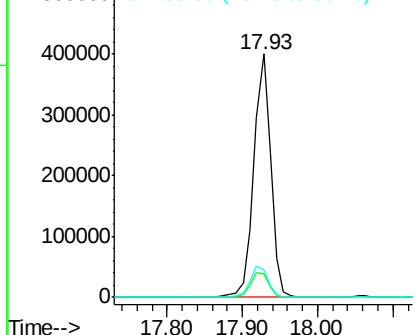
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.93 min Scan# 2973
Delta R.T. 0.01 min
Lab File: BE089849.D
Acq: 25 Mar 2015 22:50

Instrument :
BNA_E
ClientSampleId :
MW-14

Tgt Ion:188 Resp: 628286
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 11.4 10.0 15.0

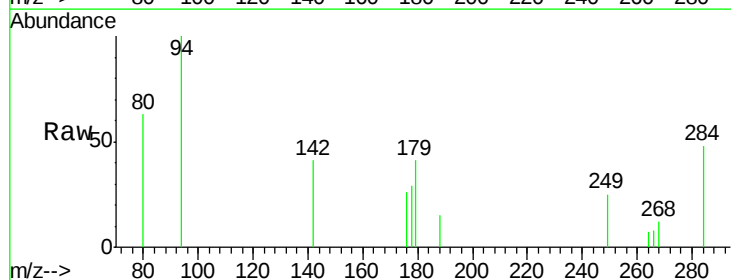


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

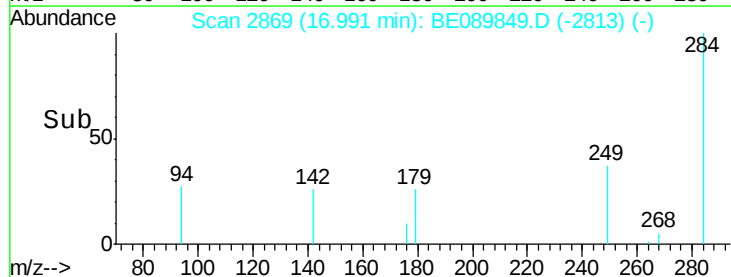
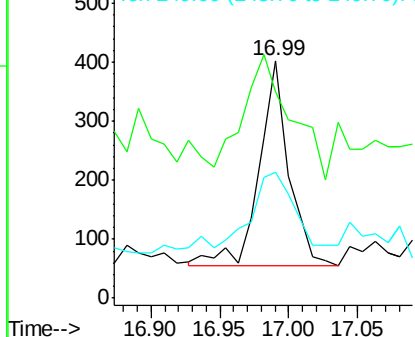


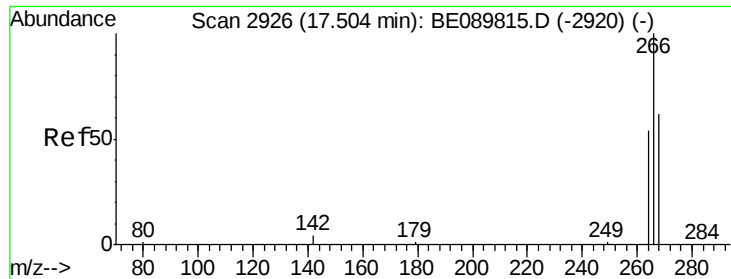
#14
Hexachlorobenzene
Concen: 0.03 ng
RT: 16.99 min Scan# 2869
Delta R.T. 0.01 min
Lab File: BE089849.D
Acq: 25 Mar 2015 22:50

Tgt Ion:284 Resp: 523
Ion Ratio Lower Upper
284 100
142 98.3 53.3 79.9#
249 66.0 31.1 46.7#



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#15

Pentachlorophenol

Concen: Below Cal

RT: 17.51 min Scan# 2927

Delta R.T. 0.01 min

Lab File: BE089849.D

Acq: 25 Mar 2015 22:50

Instrument :

BNA_E

ClientSampleId :

MW-14

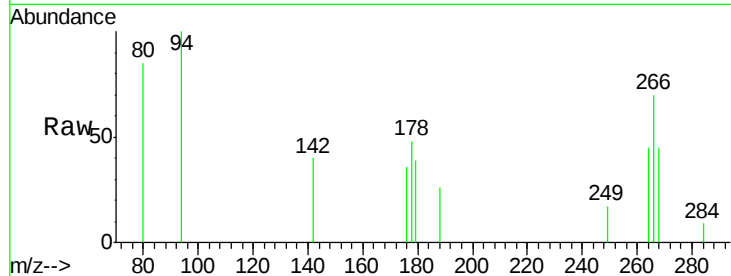
Tgt Ion:266 Resp: 821

Ion Ratio Lower Upper

266 100

268 64.5 51.6 77.4

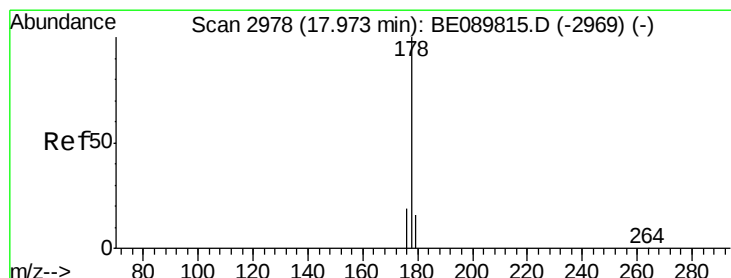
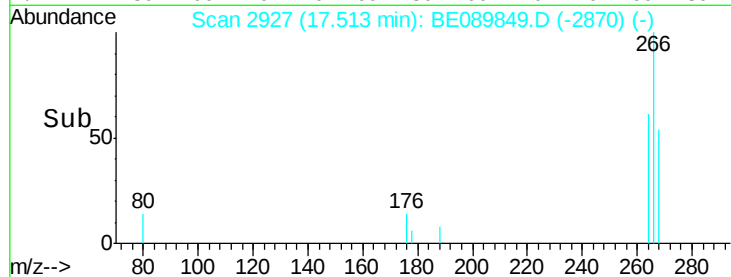
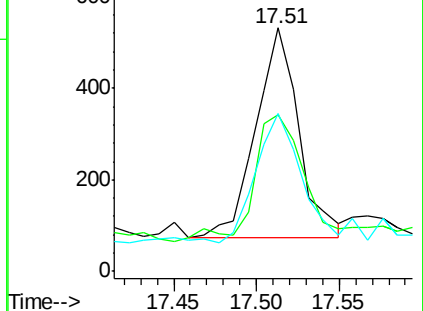
264 64.7 50.2 75.2



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



#16

Phenanthrene

Concen: 0.02 ng

RT: 17.98 min Scan# 2979

Delta R.T. 0.01 min

Lab File: BE089849.D

Acq: 25 Mar 2015 22:50

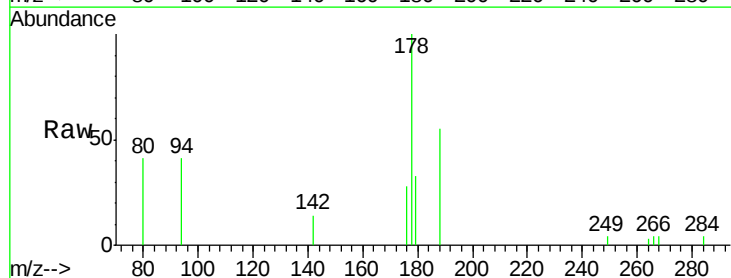
Tgt Ion:178 Resp: 3111

Ion Ratio Lower Upper

178 100

176 26.1 15.4 23.0#

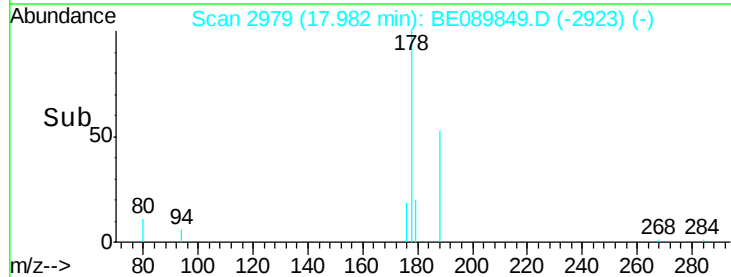
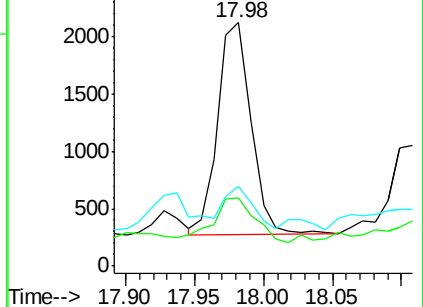
179 16.5 12.2 18.4

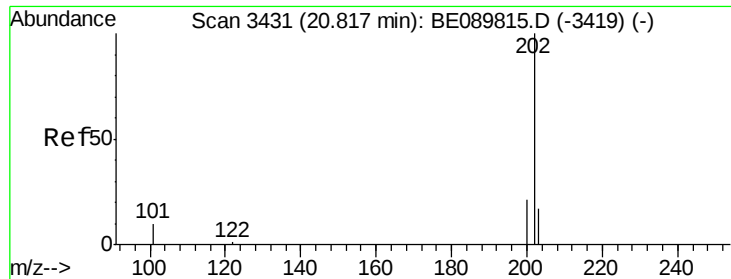


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

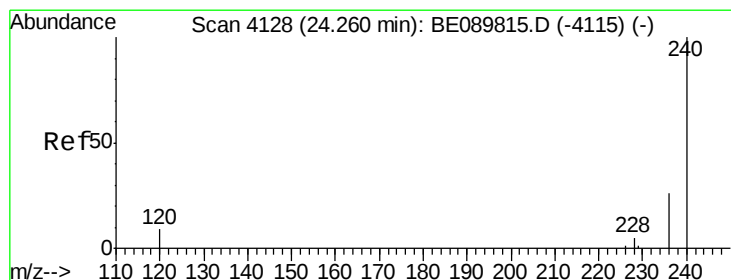
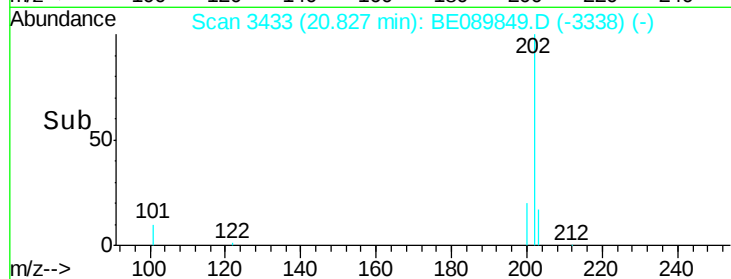
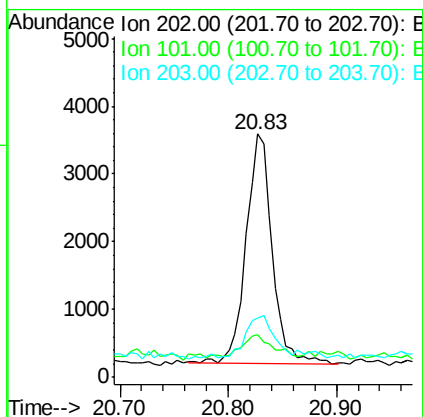
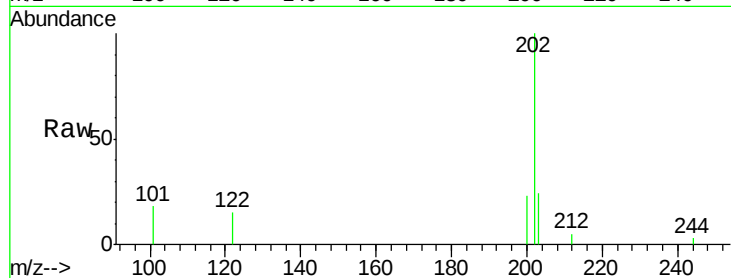




#18
 Fluoranthene
 Concen: 0.05 ng
 RT: 20.83 min Scan# 3433
 Delta R.T. 0.01 min
 Lab File: BE089849.D
 Acq: 25 Mar 2015 22:50

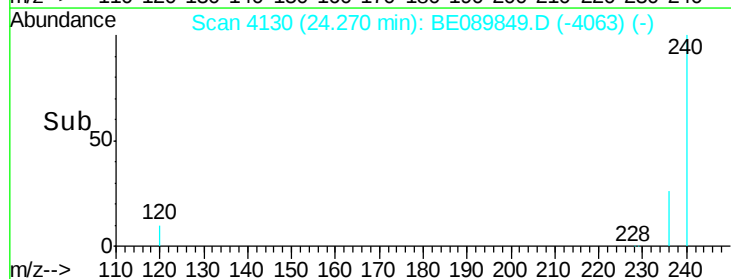
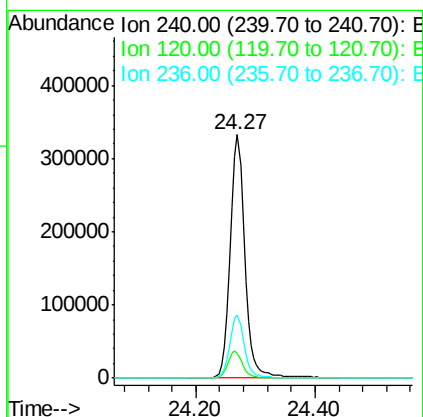
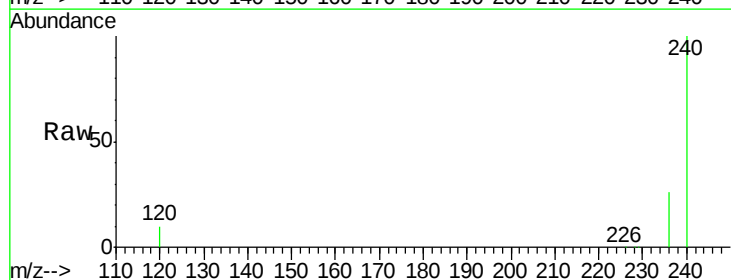
Instrument :
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 ClientSampleId :
 MW-14

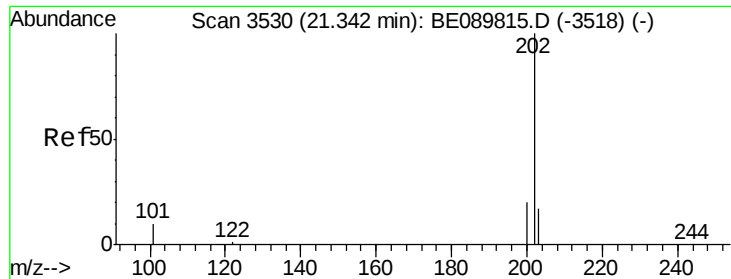
Tgt Ion: 202 Resp: 5727
 Ion Ratio Lower Upper
 202 100
 101 14.2 8.2 12.2#
 203 19.1 14.2 21.4



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 24.27 min Scan# 4130
 Delta R.T. 0.01 min
 Lab File: BE089849.D
 Acq: 25 Mar 2015 22:50

Tgt Ion: 240 Resp: 565307
 Ion Ratio Lower Upper
 240 100
 120 9.9 7.5 11.3
 236 26.1 20.5 30.7





#20

Pyrene

Concen: 0.04 ng

RT: 21.35 min Scan# 3532

Delta R.T. 0.01 min

Lab File: BE089849.D

Acq: 25 Mar 2015 22:50

Instrument :

BNA_E

ClientSampleId :

MW-14

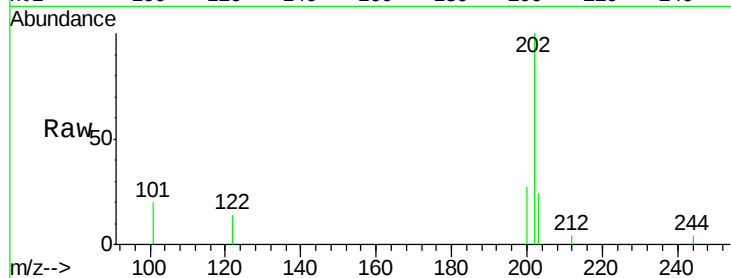
Tgt Ion:202 Resp: 5052

Ion Ratio Lower Upper

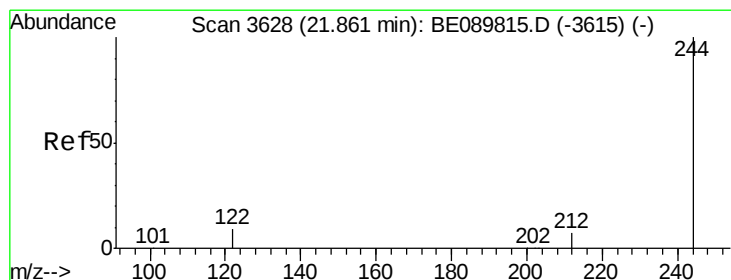
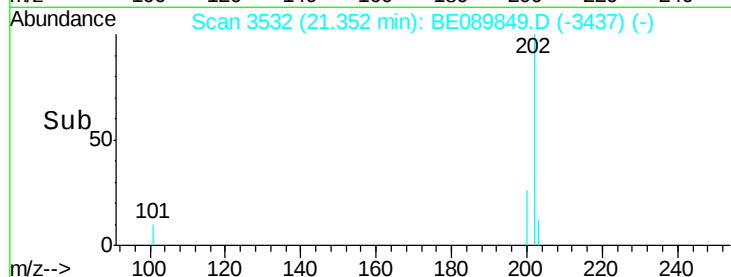
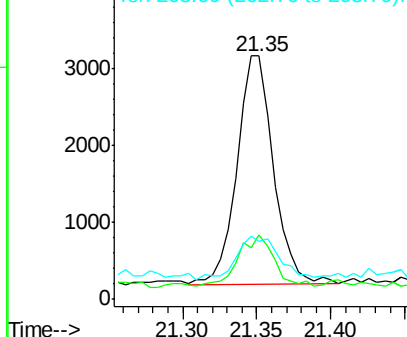
202 100

200 21.2 15.9 23.9

203 21.6 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: 8.66 ng

RT: 21.87 min Scan# 3630

Delta R.T. 0.01 min

Lab File: BE089849.D

Acq: 25 Mar 2015 22:50

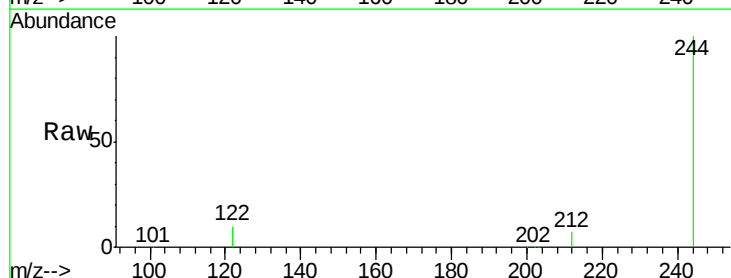
Tgt Ion:244 Resp: 722123

Ion Ratio Lower Upper

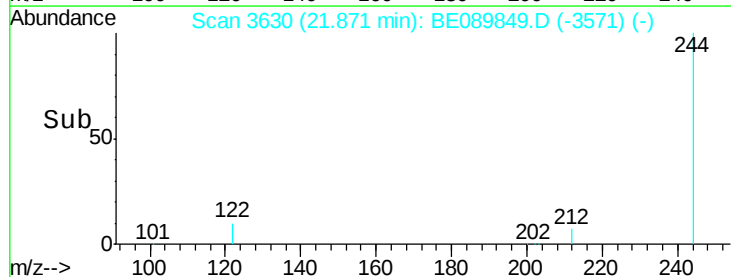
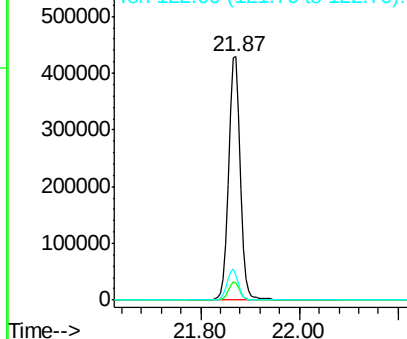
244 100

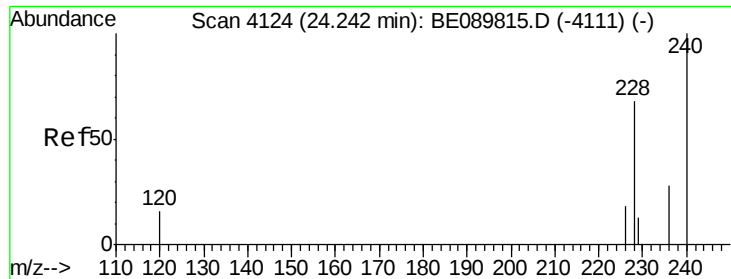
212 7.1 7.3 10.9#

122 10.4 10.5 15.7#



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: 0.02 ng

RT: 24.27 min Scan# 4130

Delta R.T. 0.02 min

Lab File: BE089849.D

Acq: 25 Mar 2015 22:50

Instrument :

BNA_E

ClientSampleId :

MW-14

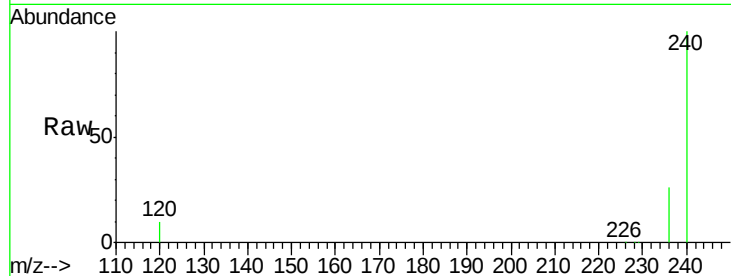
Tgt Ion:228 Resp: 2442

Ion Ratio Lower Upper

228 100

226 22.2 19.8 29.8

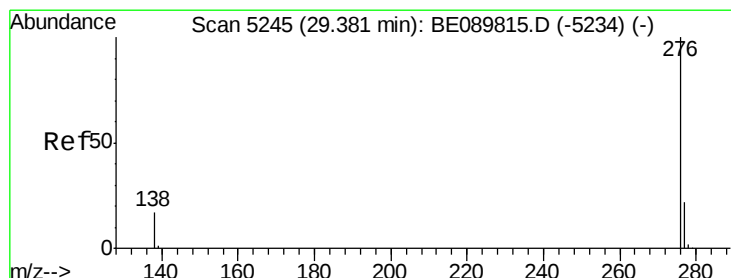
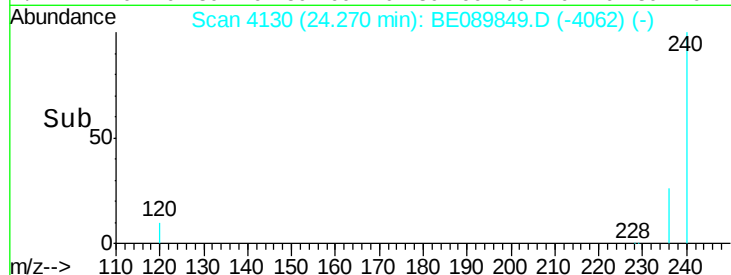
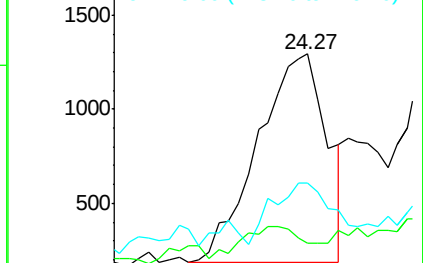
229 46.8 16.3 24.5#



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: 0.43 ng

RT: 29.38 min Scan# 5246

Delta R.T. 0.00 min

Lab File: BE089849.D

Acq: 25 Mar 2015 22:50

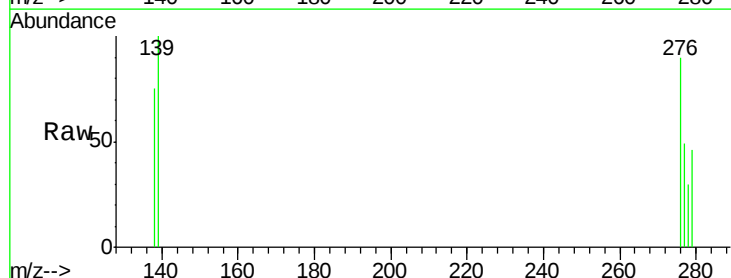
Tgt Ion:276 Resp: 1314

Ion Ratio Lower Upper

276 100

138 22.6 4.3 6.5#

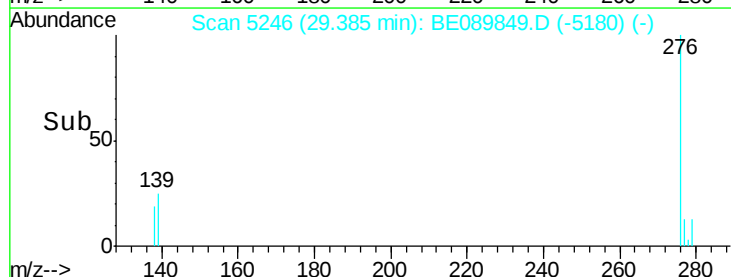
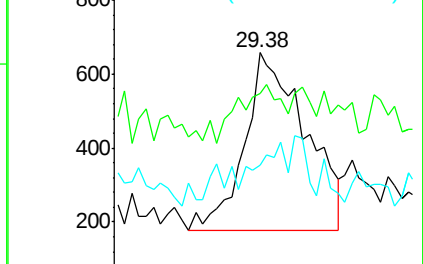
277 15.5 9.0 13.4#

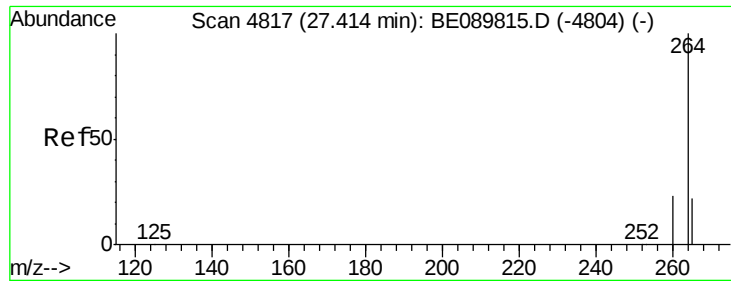


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

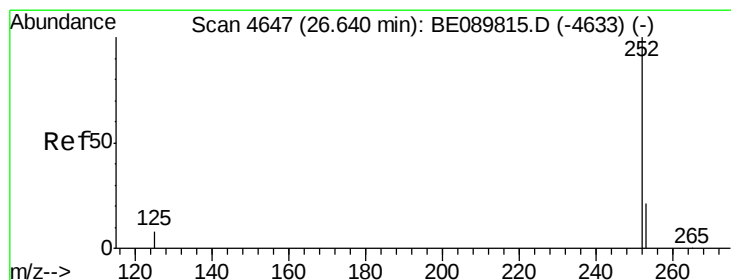
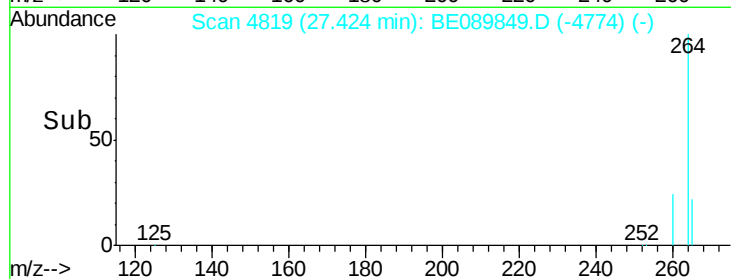
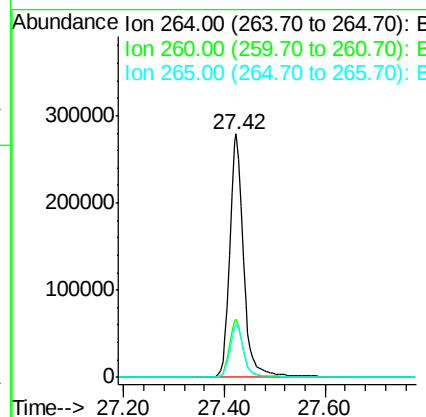
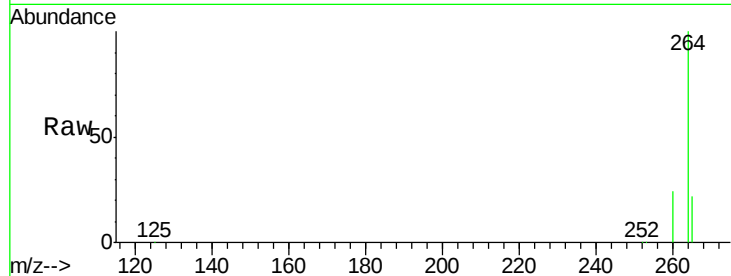




#25
Perylene-d12
 Concen: 5.00 ng
 RT: 27.42 min Scan# 4819
 Delta R.T. 0.01 min
 Lab File: BE089849.D
 Acq: 25 Mar 2015 22:50

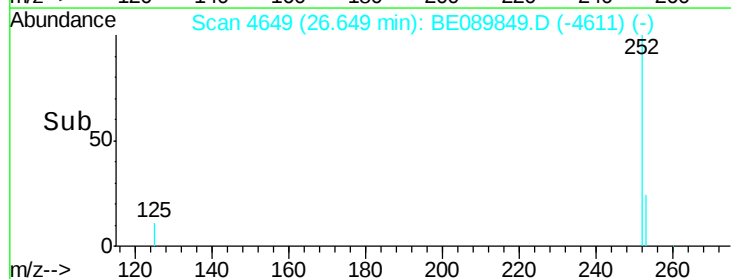
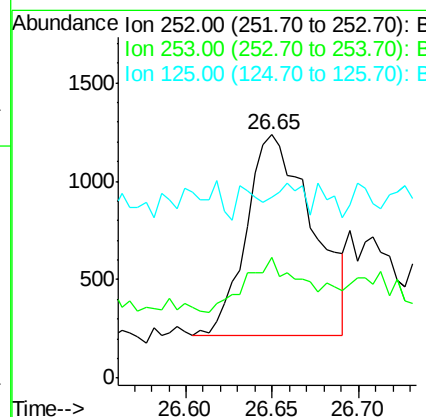
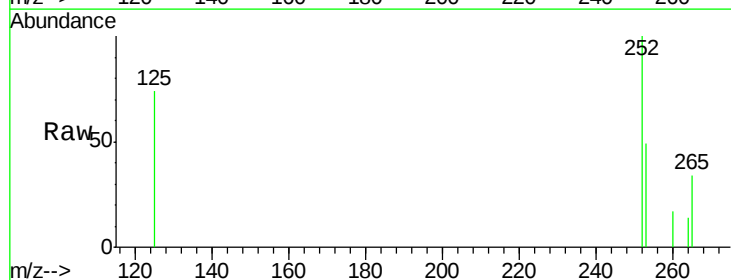
Instrument :
 BNA_E
 ClientSampleId :
 MW-14

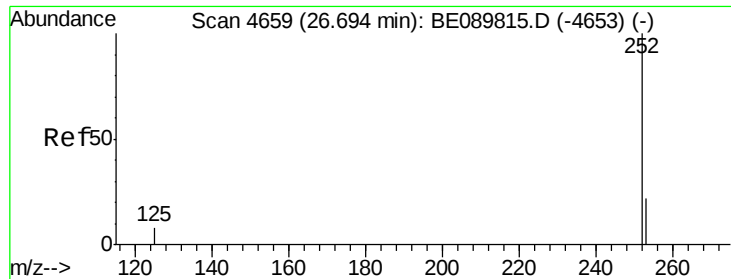
Tgt Ion: 264 Resp: 529688
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.2 27.2
 265 21.7 17.3 25.9



#26
Benzo(b)fluoranthene
 Concen: 0.33 ng
 RT: 26.65 min Scan# 4649
 Delta R.T. 0.01 min
 Lab File: BE089849.D
 Acq: 25 Mar 2015 22:50

Tgt Ion: 252 Resp: 2701
 Ion Ratio Lower Upper
 252 100
 253 49.5 17.8 26.6#
 125 74.1 8.7 13.1#





#27

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 26.65 min Scan# 4649

Delta R.T. -0.05 min

Lab File: BE089849.D

Acq: 25 Mar 2015 22:50

Instrument :

BNA_E

ClientSampleId :

MW-14

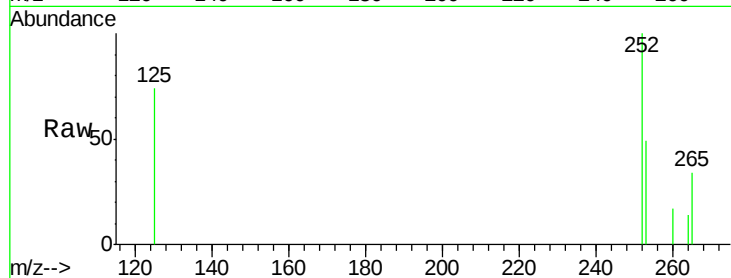
Tgt Ion:252 Resp: 2701

Ion Ratio Lower Upper

252 100

253 49.5 18.6 28.0#

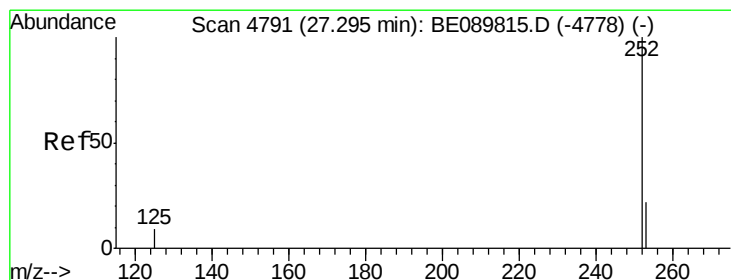
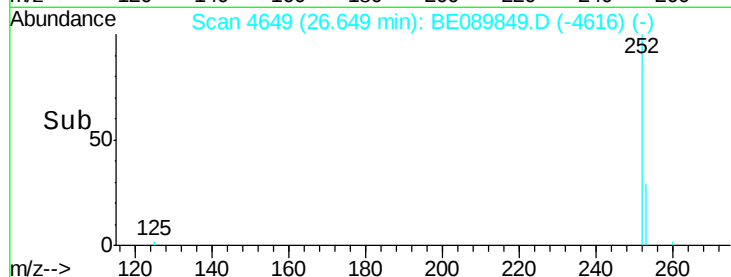
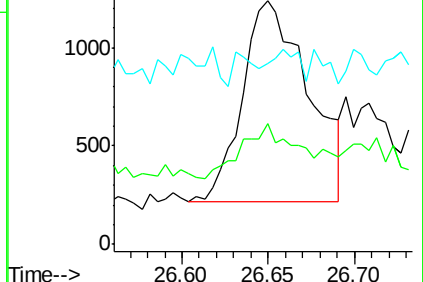
125 74.1 10.8 16.2#



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: 0.31 ng

RT: 27.30 min Scan# 4791

Delta R.T. -0.00 min

Lab File: BE089849.D

Acq: 25 Mar 2015 22:50

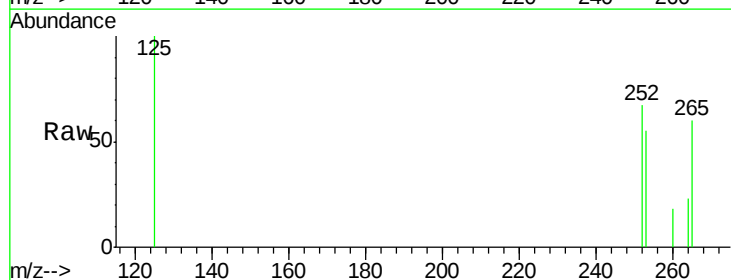
Tgt Ion:252 Resp: 1082

Ion Ratio Lower Upper

252 100

253 81.5 21.0 31.4#

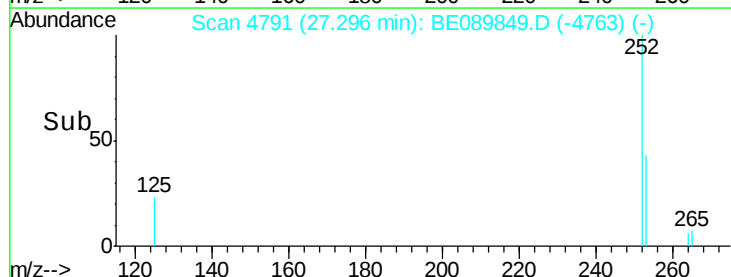
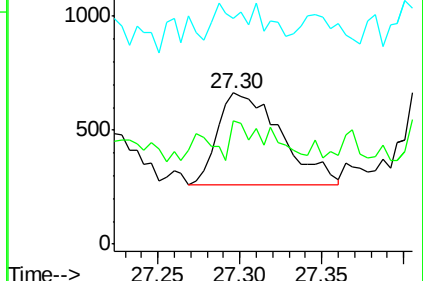
125 149.2 13.3 19.9#

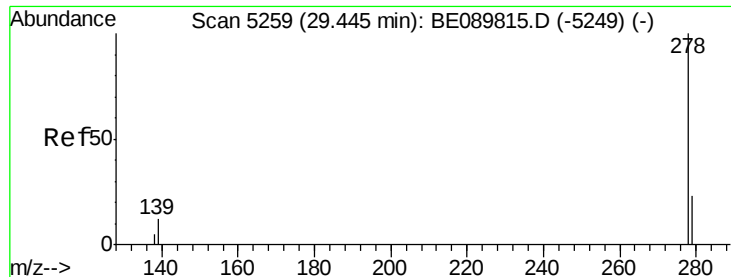


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#29

Dibenzo(a,h)anthracene

Concen: 0.26 ng

RT: 29.43 min Scan# 5257

Delta R.T. -0.01 min

Lab File: BE089849.D

Acq: 25 Mar 2015 22:50

Instrument :

BNA_E

ClientSampleId :

MW-14

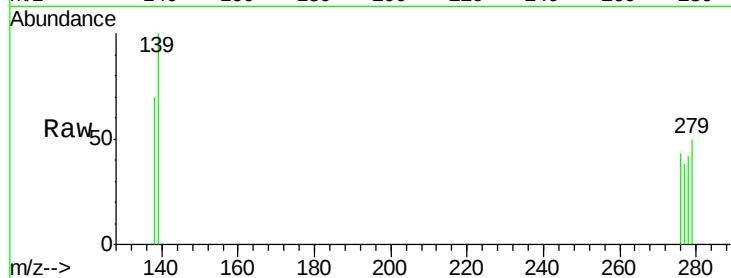
Tgt Ion: 278 Resp: 37

Ion Ratio Lower Upper

278 100

139 236.3 20.0 30.0#

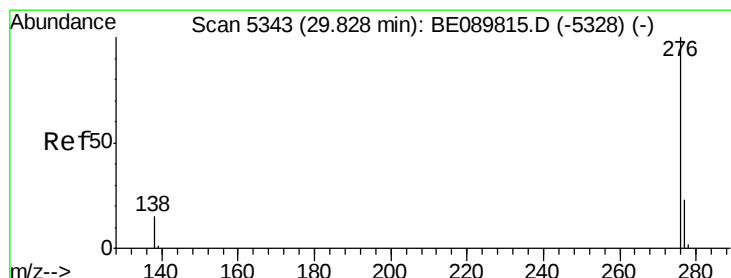
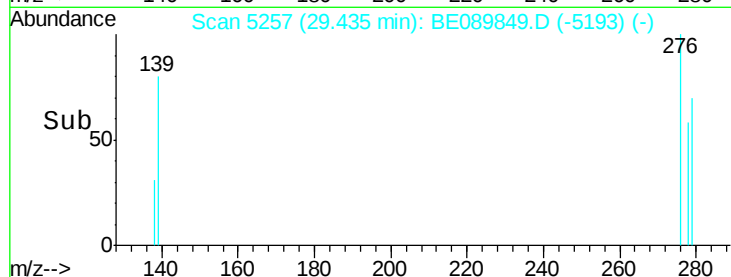
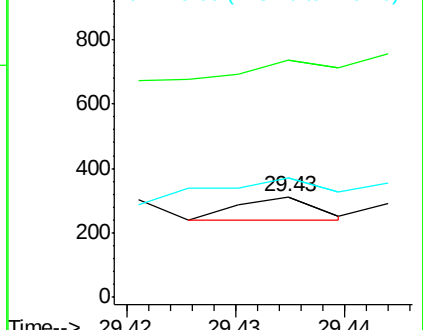
279 118.6 28.9 43.3#



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



#30

Benzo(g,h,i)perylene

Concen: 0.27 ng

RT: 29.83 min Scan# 5344

Delta R.T. 0.01 min

Lab File: BE089849.D

Acq: 25 Mar 2015 22:50

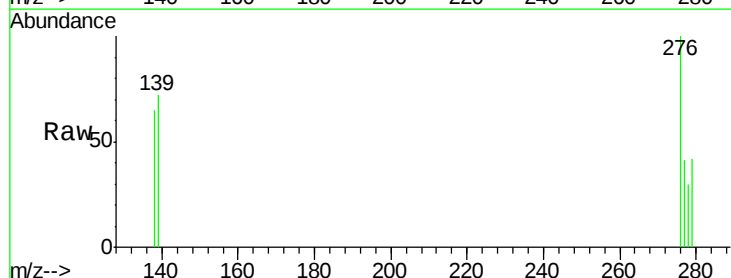
Tgt Ion: 276 Resp: 1720

Ion Ratio Lower Upper

276 100

277 40.9 19.2 28.8#

138 65.2 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

