

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032515\
 Data File : BE089848.D
 Acq On : 25 Mar 2015 22:08
 Operator : TP/JJ
 Sample : G1575-11
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-24V

Quant Time: Mar 26 03:29:23 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

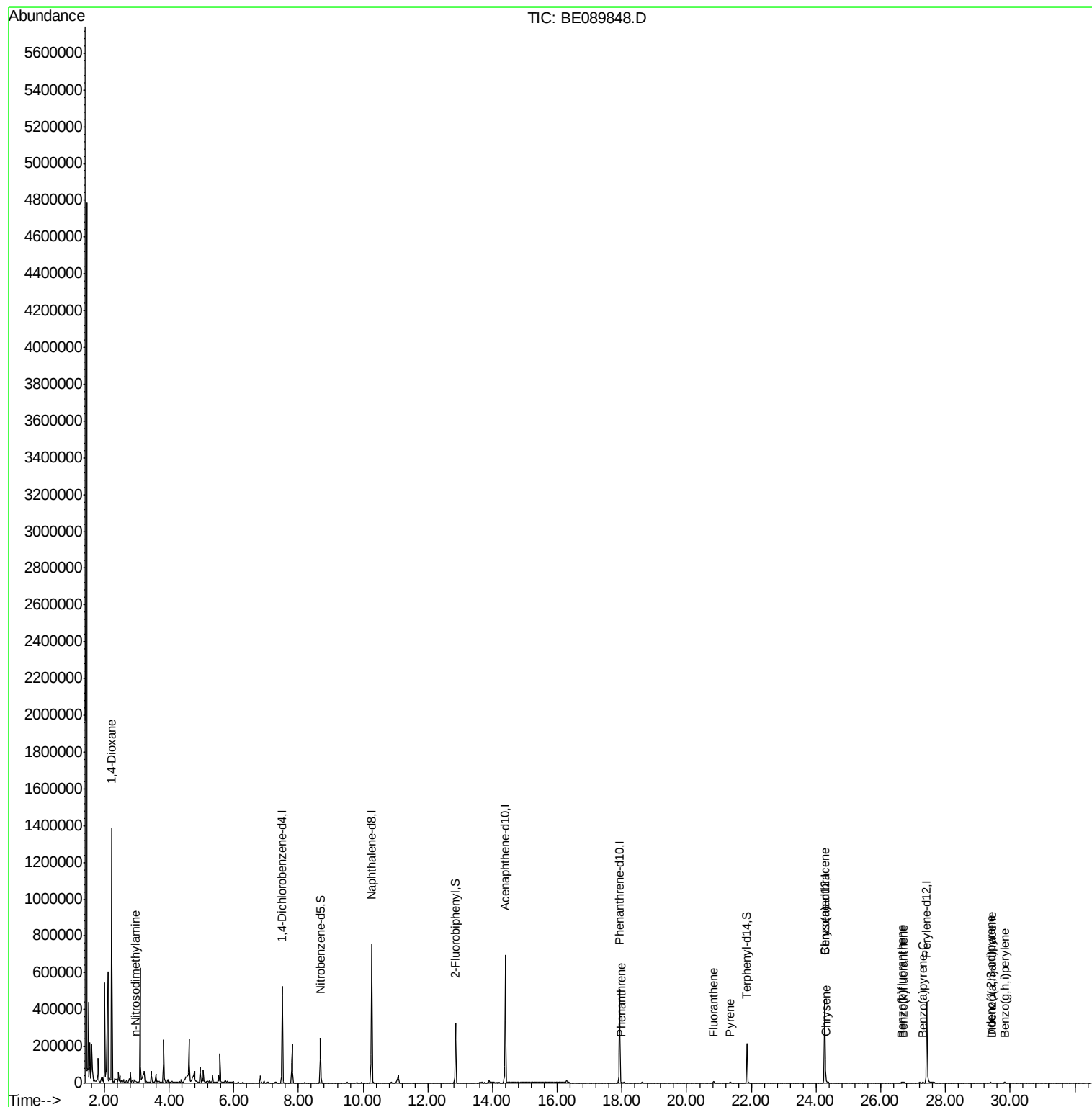
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	237004	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	944275	5.00	ng	0.00
8) Acenaphthene-d10	14.39	164	402721	5.00	ng	0.00
13) Phenanthrene-d10	17.93	188	660079	5.00	ng	0.00
19) Chrysene-d12	24.27	240	592692	5.00	ng	0.00
25) Perylene-d12	27.42	264	557916	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	205241	3.15	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	308489	3.27	ng	0.00
21) Terphenyl-d14	21.87	244	301798	3.45	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.23	88	34393	1.12	ng	# 1
3) n-Nitrosodimethylamine	2.97	42	1080	0.02	ng	# 12
15) Pentachlorophenol	17.48	266	50	Below Cal		94
16) Phenanthrene	17.98	178	3862	0.03	ng	96
18) Fluoranthene	20.83	202	8085	0.06	ng	99
20) Pyrene	21.35	202	7778	0.05	ng	97
22) Benzo(a)anthracene	24.26	228	3074	0.03	ng	# 87
23) Chrysene	24.33	228	3793	0.03	ng	# 91
24) Indeno(1,2,3-cd)pyrene	29.40	276	3561	0.45	ng	# 85
26) Benzo(b)fluoranthene	26.65	252	6531	0.36	ng	# 75
27) Benzo(k)fluoranthene	26.70	252	2724	0.02	ng	# 39
28) Benzo(a)pyrene	27.29	252	1953	0.31	ng	# 21
29) Dibenzo(a,h)anthracene	29.45	278	654	0.27	ng	# 1
30) Benzo(g,h,i)perylene	29.83	276	4294	0.29	ng	# 88

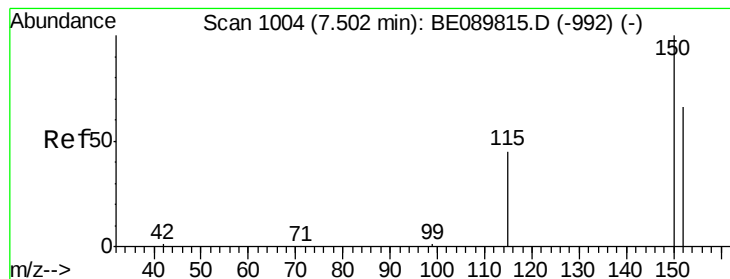
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.50 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BE089848.D

Acq: 25 Mar 2015 22:08

Instrument :

BNA_E

ClientSampleId :

MW-24V

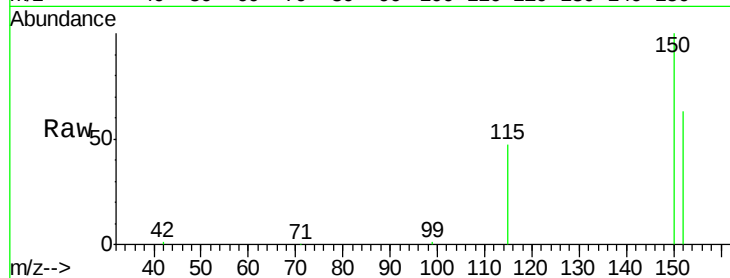
Tgt Ion:152 Resp: 237004

Ion Ratio Lower Upper

152 100

150 157.5 125.5 188.3

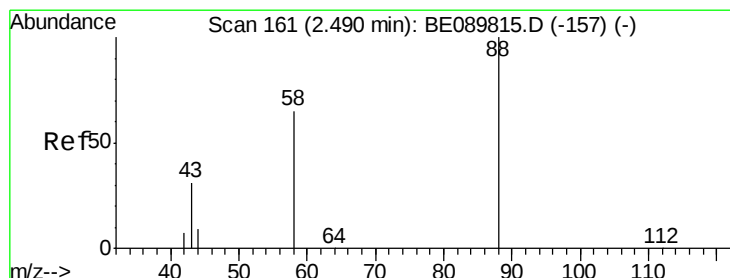
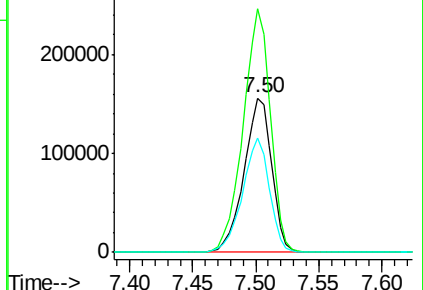
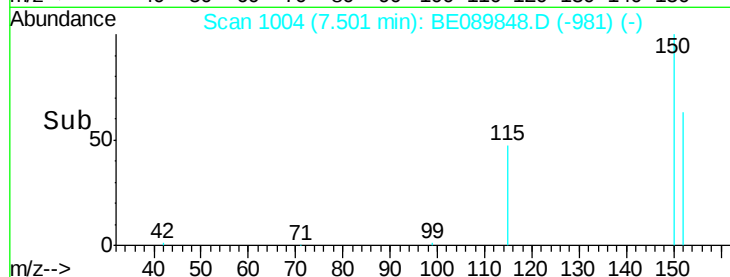
115 73.6 58.0 87.0



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: 1.12 ng

RT: 2.23 min Scan# 123

Delta R.T. -0.29 min

Lab File: BE089848.D

Acq: 25 Mar 2015 22:08

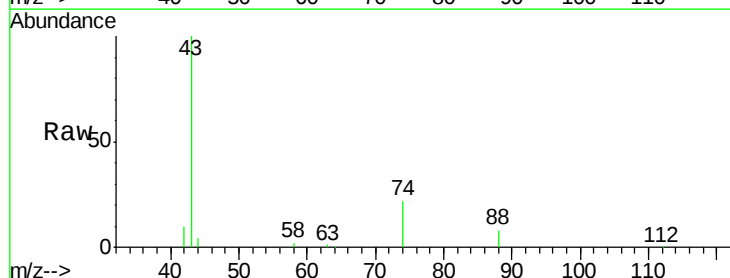
Tgt Ion: 88 Resp: 34393

Ion Ratio Lower Upper

88 100

58 29.5 48.6 72.8#

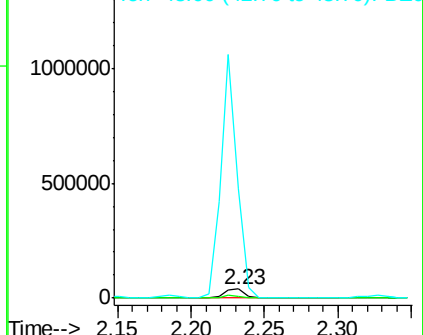
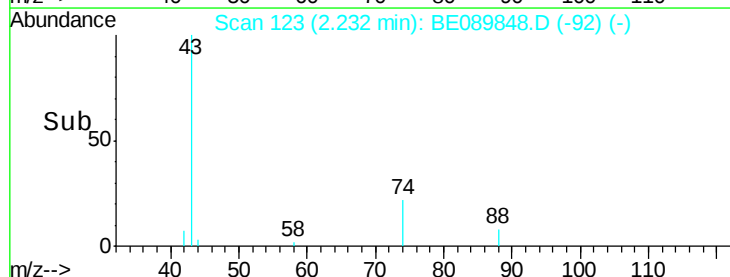
43 2391.5 28.6 43.0#

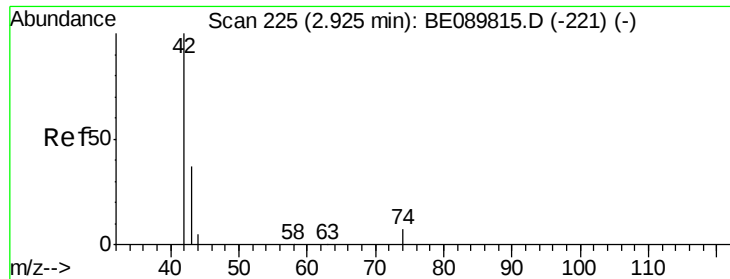


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.02 ng

RT: 2.97 min Scan# 232

Delta R.T. -0.02 min

Lab File: BE089848.D

Acq: 25 Mar 2015 22:08

Instrument :

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ClientSampleId :

MW-24V

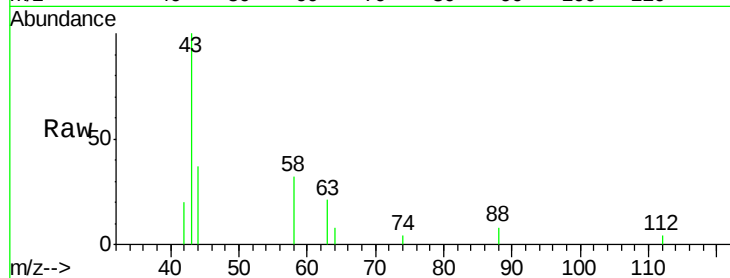
Tgt Ion: 42 Resp: 1080

Ion Ratio Lower Upper

42 100

74 0.0 68.7 103.1#

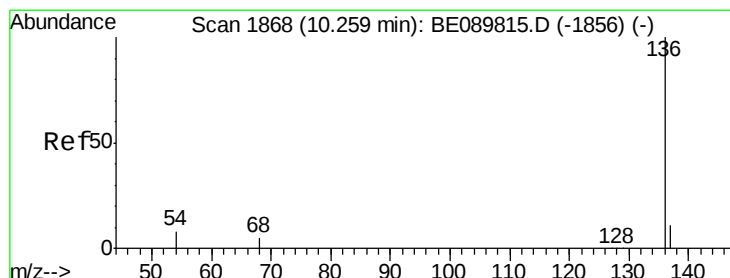
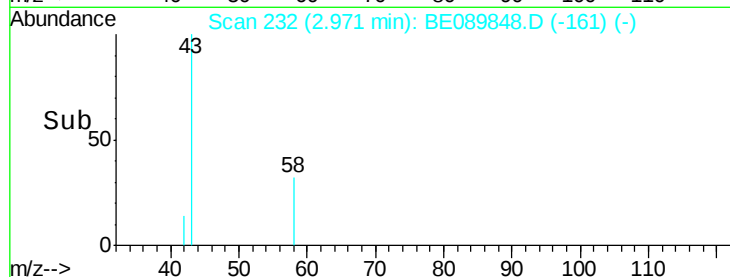
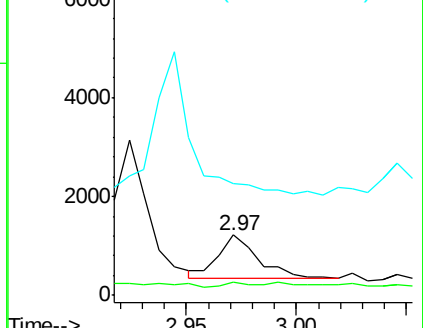
44 0.0 6.2 9.4#



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: BE089848.D

Acq: 25 Mar 2015 22:08

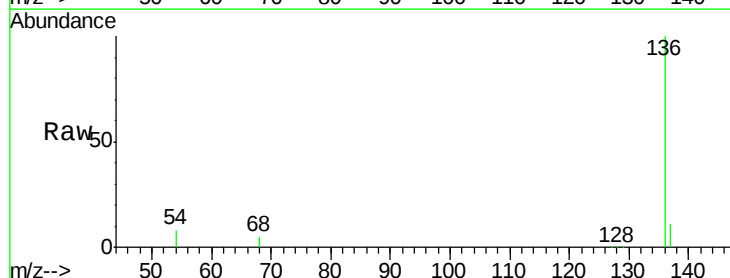
Tgt Ion: 136 Resp: 944275

Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

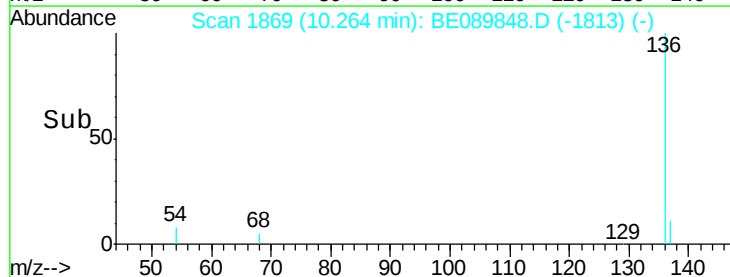
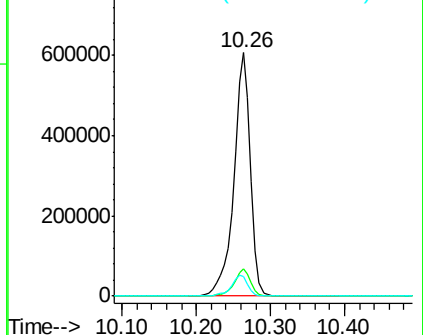
54 7.9 7.0 10.4

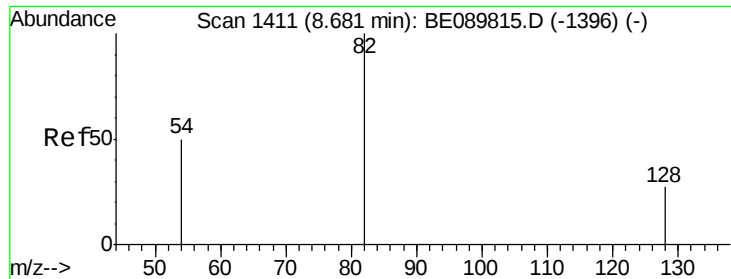


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 3.15 ng

RT: 8.68 min Scan# 1412

Delta R.T. 0.00 min

Lab File: BE089848.D

Acq: 25 Mar 2015 22:08

Instrument :

BNA_E

ClientSampleId :

MW-24V

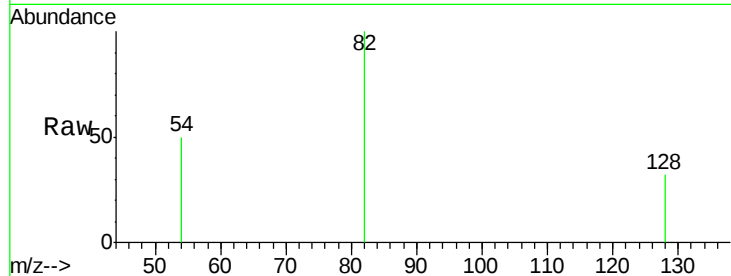
Tgt Ion: 82 Resp: 205241

Ion Ratio Lower Upper

82 100

128 31.6 24.6 37.0

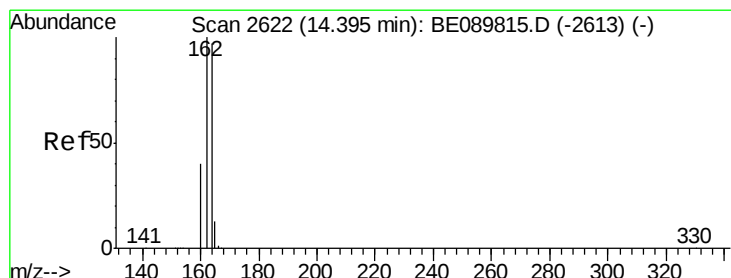
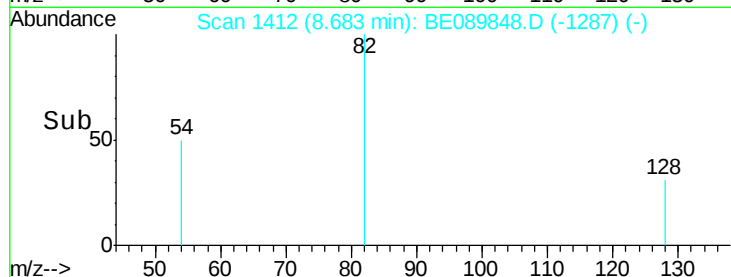
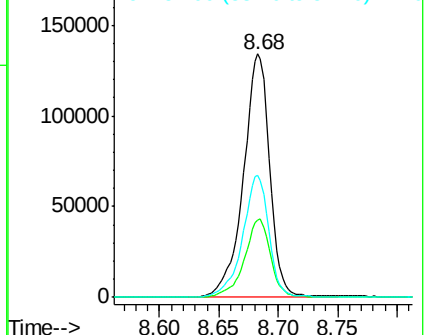
54 50.0 43.0 64.6



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



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.39 min Scan# 2622

Delta R.T. 0.01 min

Lab File: BE089848.D

Acq: 25 Mar 2015 22:08

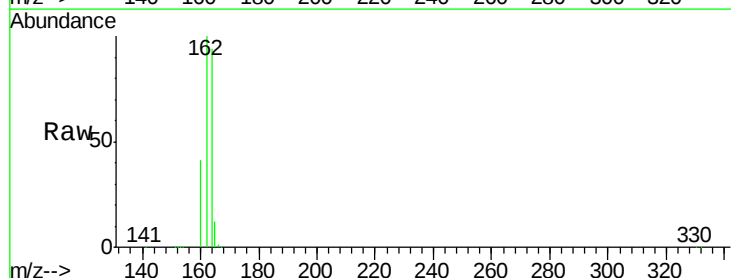
Tgt Ion: 164 Resp: 402721

Ion Ratio Lower Upper

164 100

162 106.5 87.6 131.4

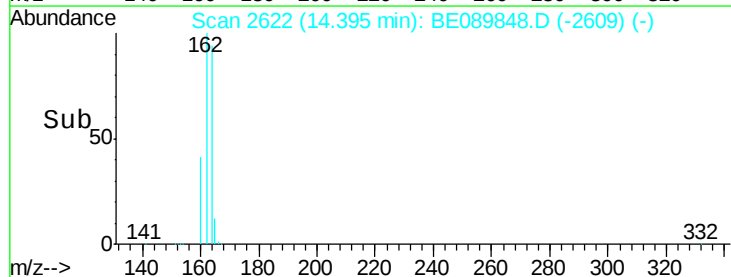
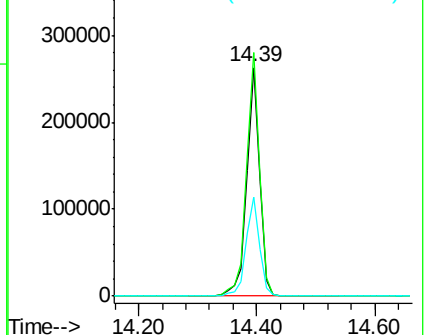
160 43.2 36.7 55.1

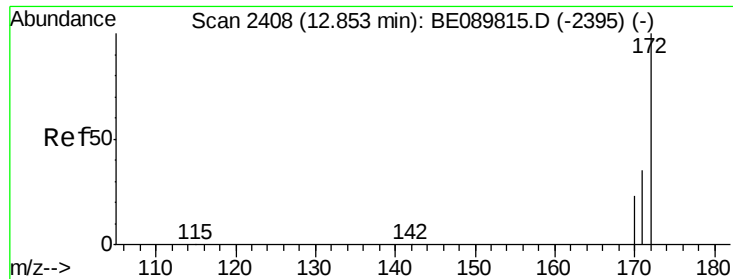


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 3.27 ng

RT: 12.85 min Scan# 2408

Delta R.T. 0.00 min

Lab File: BE089848.D

Acq: 25 Mar 2015 22:08

Instrument :

BNA_E

ClientSampleId :

MW-24V

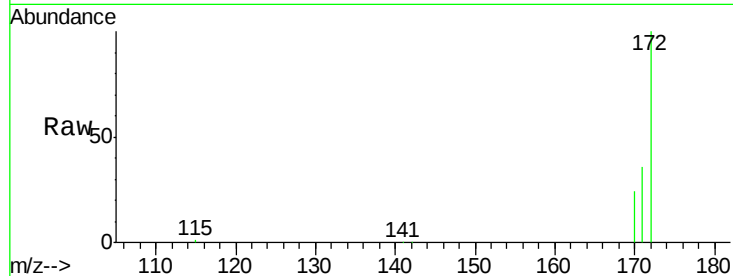
Tgt Ion:172 Resp: 308489

Ion Ratio Lower Upper

172 100

171 36.4 30.8 46.2

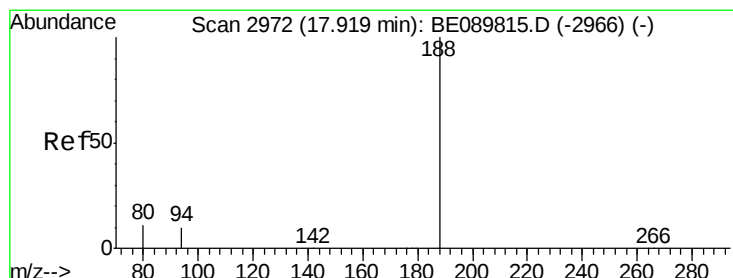
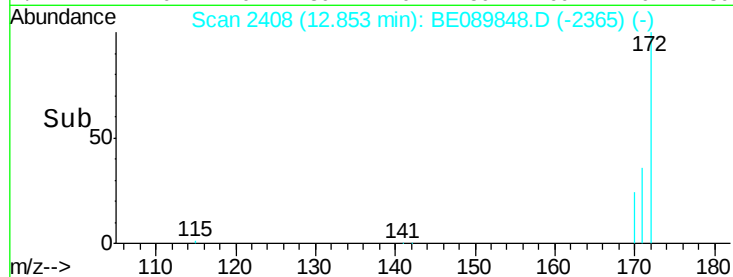
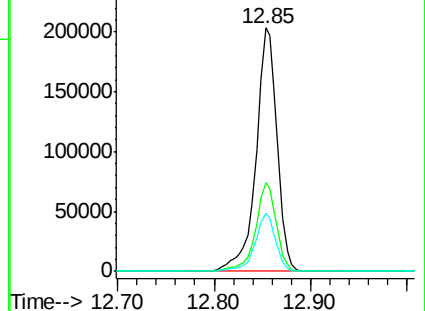
170 24.0 21.0 31.4



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: BE089848.D

Acq: 25 Mar 2015 22:08

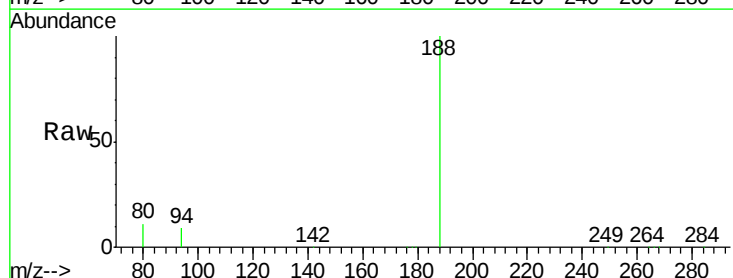
Tgt Ion:188 Resp: 660079

Ion Ratio Lower Upper

188 100

94 9.5 8.5 12.7

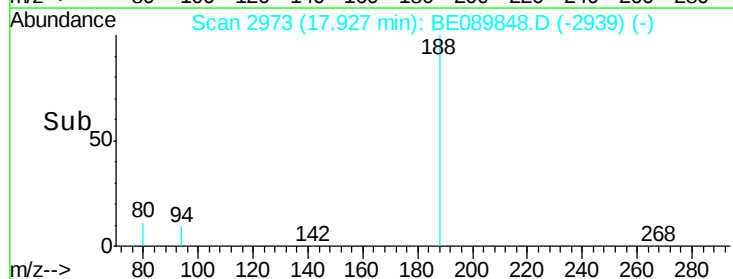
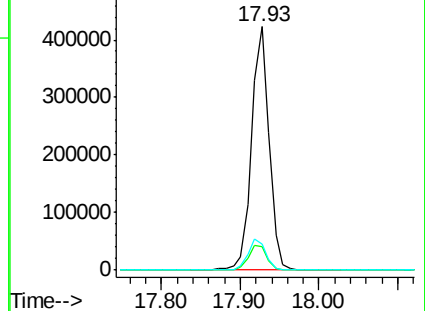
80 10.8 10.0 15.0

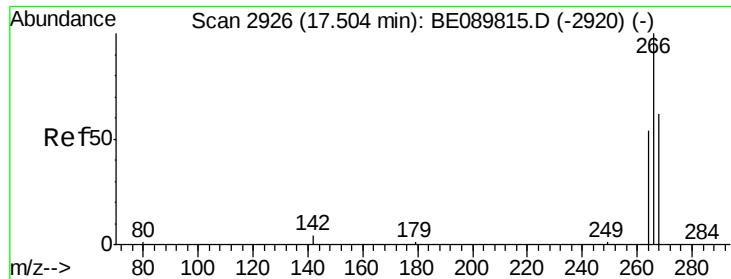


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

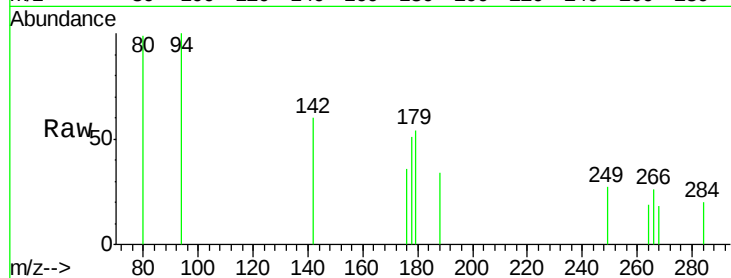




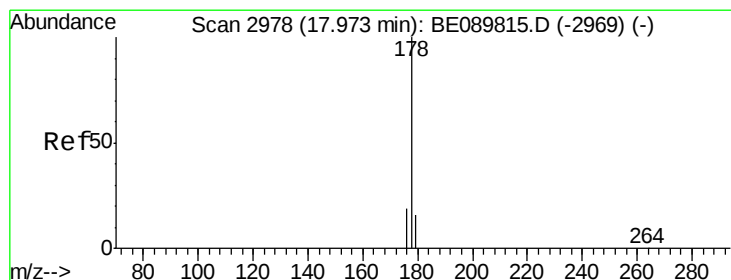
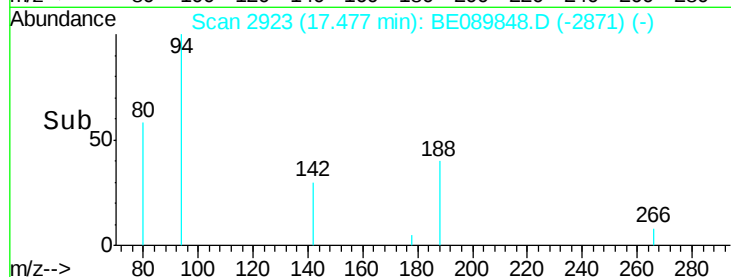
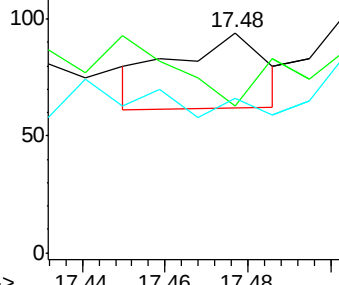
#15
 Pentachlorophenol
 Concen: Below Cal
 RT: 17.48 min Scan# 2923
 Delta R.T. -0.03 min
 Lab File: BE089848.D
 Acq: 25 Mar 2015 22:08

Instrument :
 BNA_E
 ClientSampleId :
 MW-24V

Tgt Ion: 266 Resp: 50
 Ion Ratio Lower Upper
 266 100
 268 67.0 51.6 77.4
 264 70.2 50.2 75.2

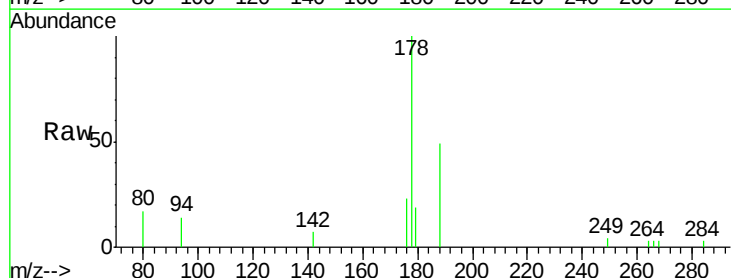


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

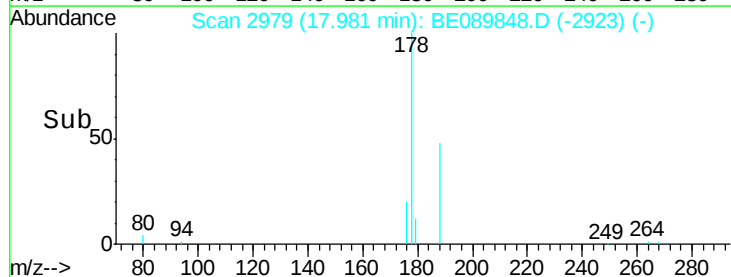
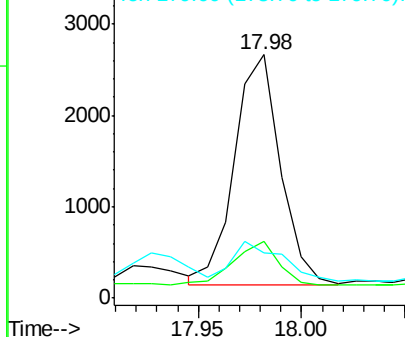


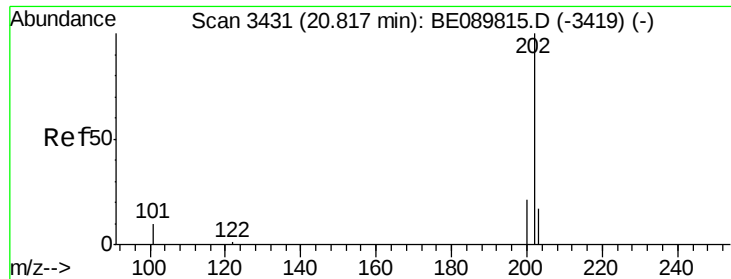
#16
 Phenanthrene
 Concen: 0.03 ng
 RT: 17.98 min Scan# 2979
 Delta R.T. 0.01 min
 Lab File: BE089848.D
 Acq: 25 Mar 2015 22:08

Tgt Ion: 178 Resp: 3862
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.4 23.0
 179 18.2 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

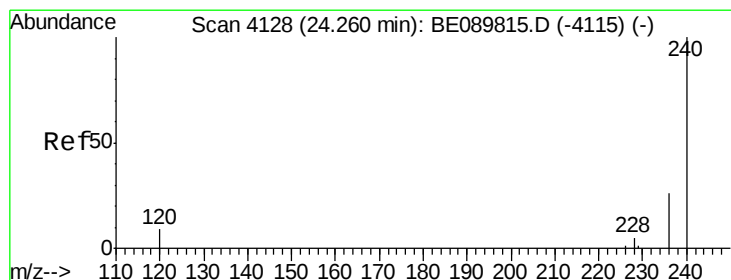
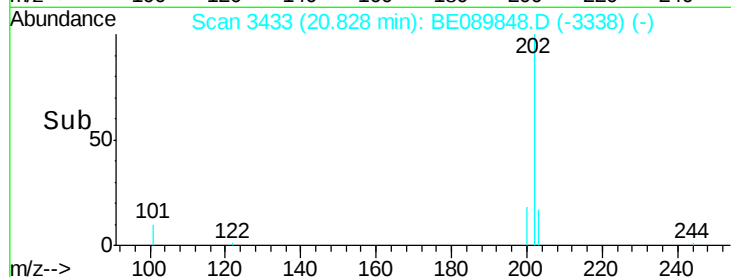
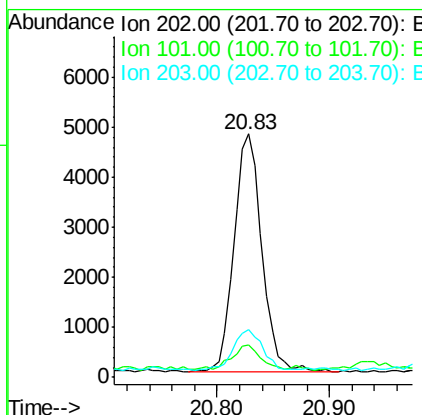
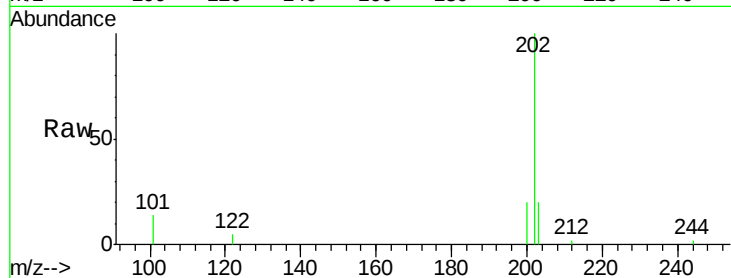




#18
 Fluoranthene
 Concen: 0.06 ng
 RT: 20.83 min Scan# 3433
 Delta R.T. 0.01 min
 Lab File: BE089848.D
 Acq: 25 Mar 2015 22:08

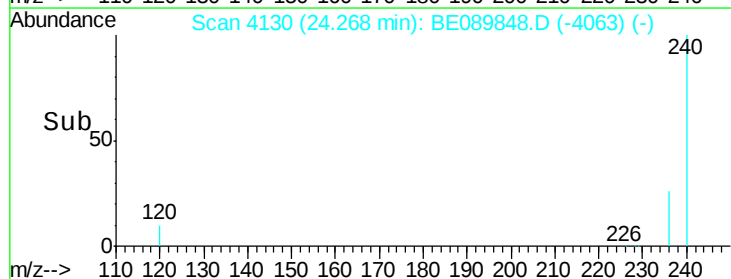
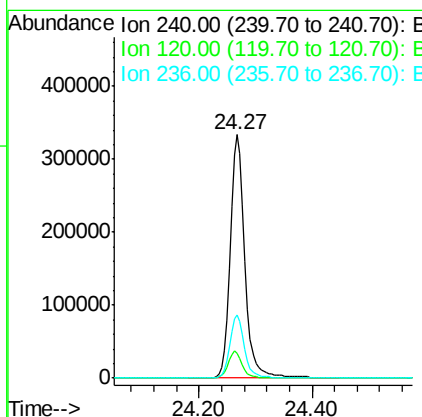
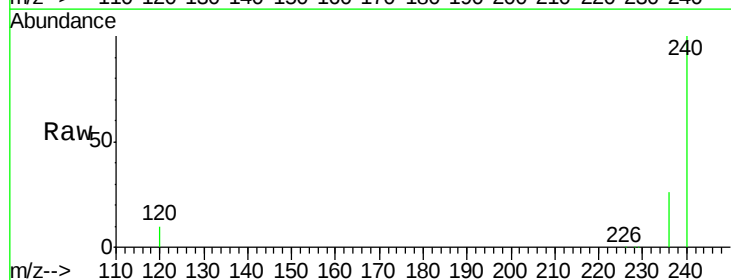
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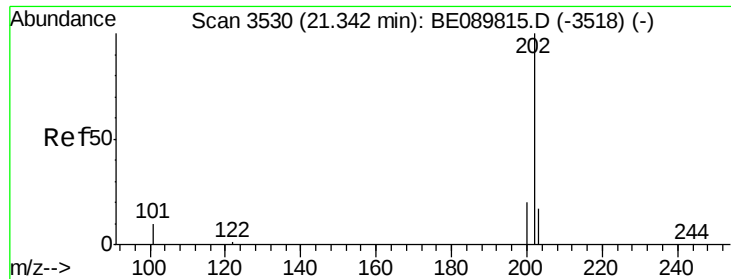
Tgt Ion: 202 Resp: 8085
 Ion Ratio Lower Upper
 202 100
 101 11.0 8.2 12.2
 203 18.1 14.2 21.4



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 24.27 min Scan# 4130
 Delta R.T. 0.01 min
 Lab File: BE089848.D
 Acq: 25 Mar 2015 22:08

Tgt Ion: 240 Resp: 592692
 Ion Ratio Lower Upper
 240 100
 120 10.2 7.5 11.3
 236 25.9 20.5 30.7

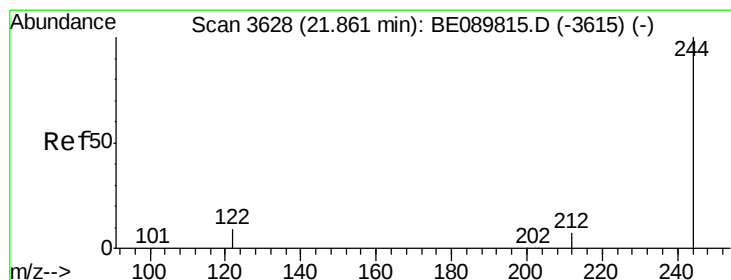
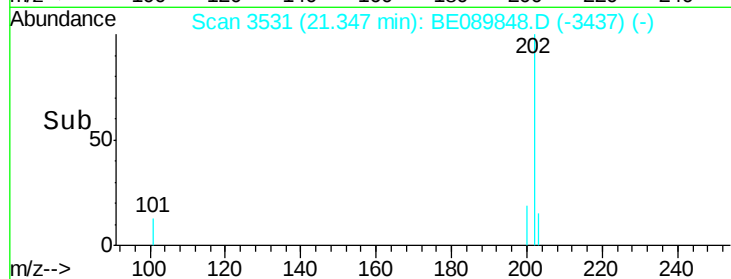
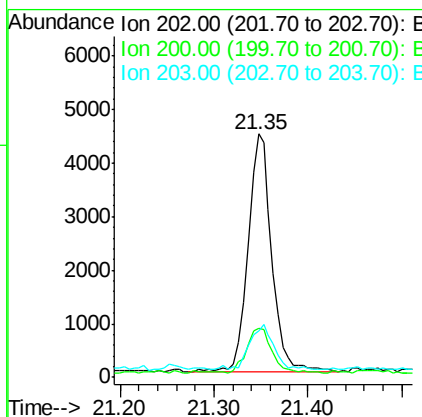
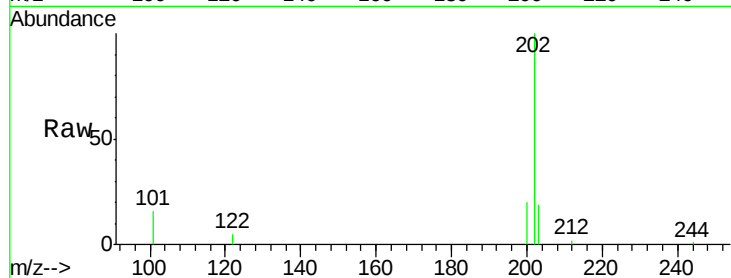




#20
Pyrene
Concen: 0.05 ng
RT: 21.35 min Scan# 3531
Delta R.T. 0.00 min
Lab File: BE089848.D
Acq: 25 Mar 2015 22:08

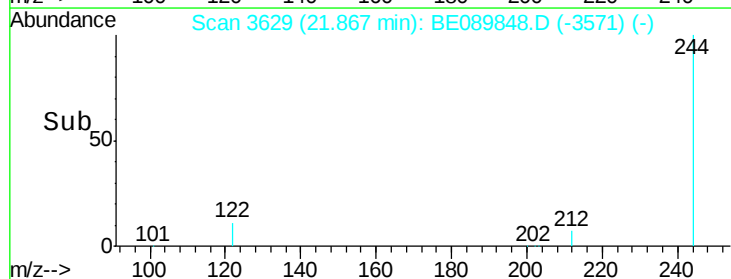
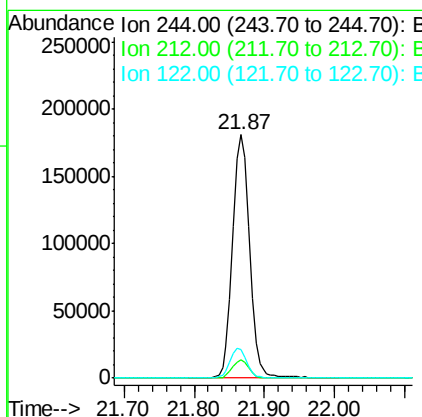
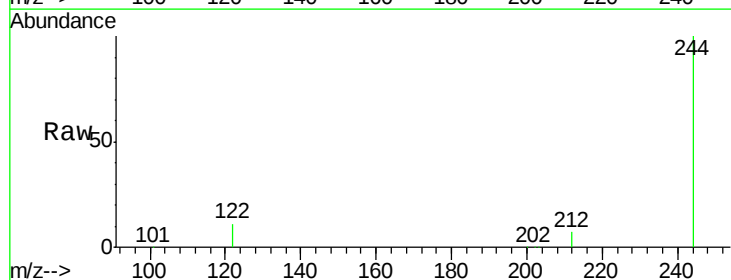
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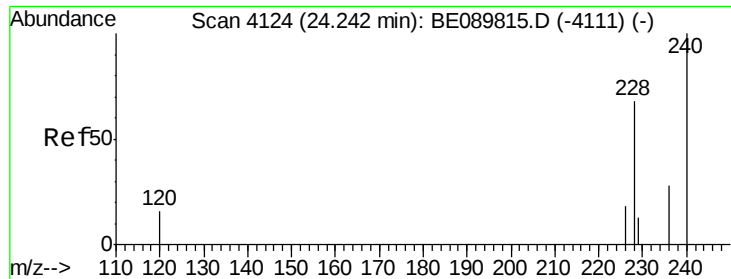
Tgt Ion: 202 Resp: 7778
Ion Ratio Lower Upper
202 100
200 20.3 15.9 23.9
203 19.3 13.6 20.4



#21
Terphenyl-d14
Concen: 3.45 ng
RT: 21.87 min Scan# 3629
Delta R.T. 0.01 min
Lab File: BE089848.D
Acq: 25 Mar 2015 22:08

Tgt Ion: 244 Resp: 301798
Ion Ratio Lower Upper
244 100
212 7.3 7.3 10.9
122 11.5 10.5 15.7





#22

Benzo(a)anthracene

Concen: 0.03 ng

RT: 24.26 min Scan# 4128

Delta R.T. 0.01 min

Lab File: BE089848.D

Acq: 25 Mar 2015 22:08

Instrument :

BNA_E

ClientSampleId :

MW-24V

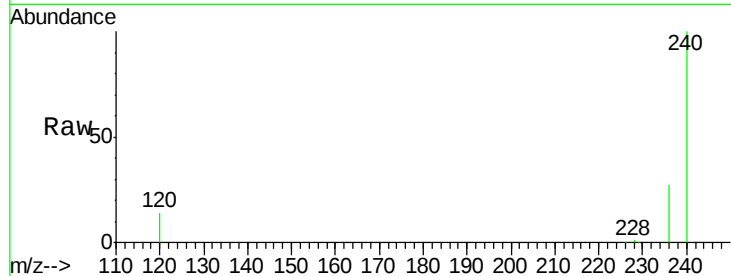
Tgt Ion:228 Resp: 3074

Ion Ratio Lower Upper

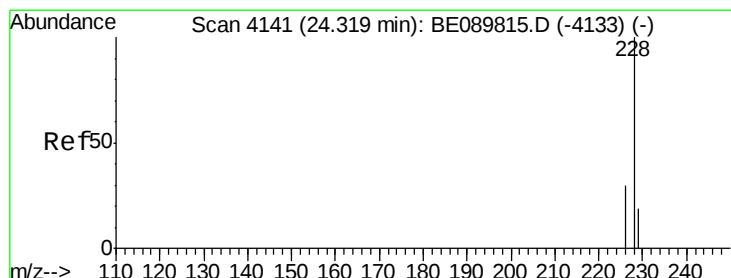
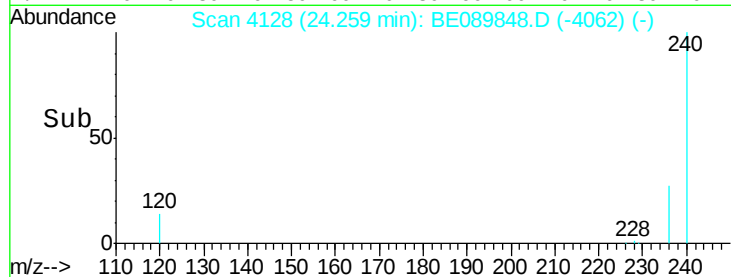
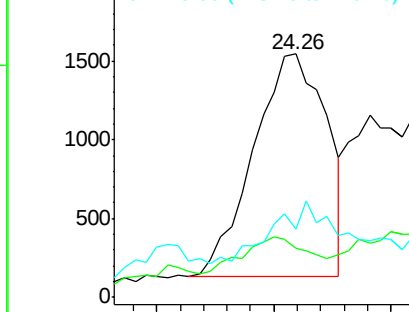
228 100

226 20.1 19.8 29.8

229 28.0 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



#23

Chrysene

Concen: 0.03 ng

RT: 24.33 min Scan# 4143

Delta R.T. 0.01 min

Lab File: BE089848.D

Acq: 25 Mar 2015 22:08

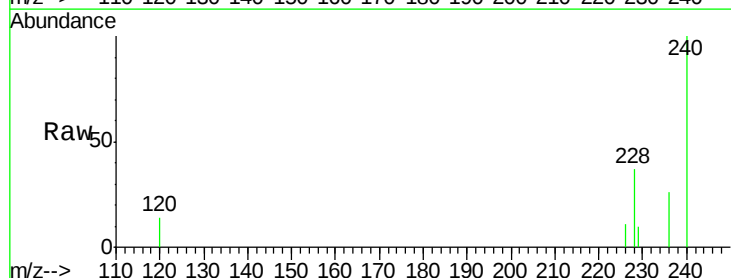
Tgt Ion:228 Resp: 3793

Ion Ratio Lower Upper

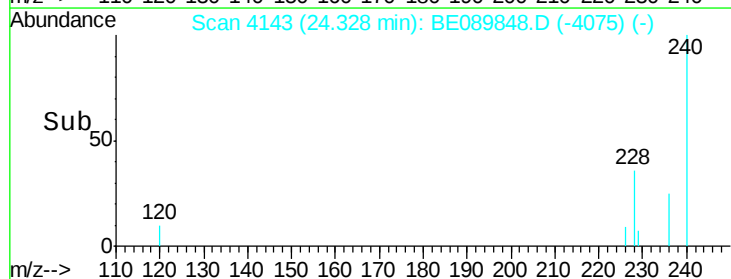
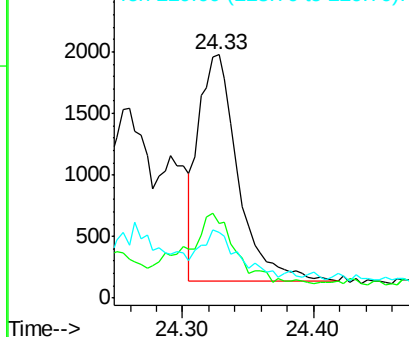
228 100

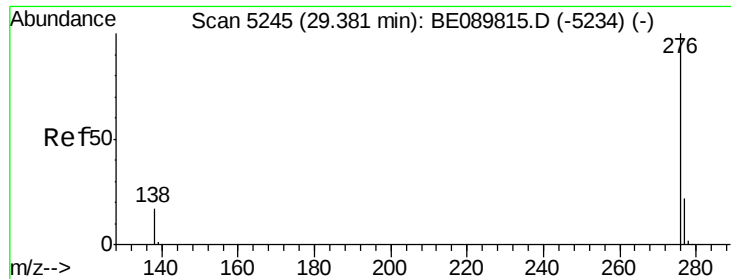
226 30.7 23.0 34.4

229 26.9 15.8 23.6#



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

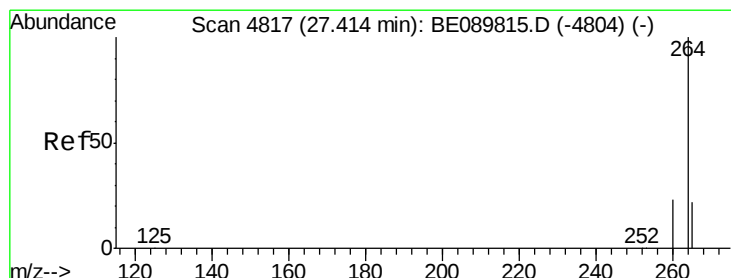
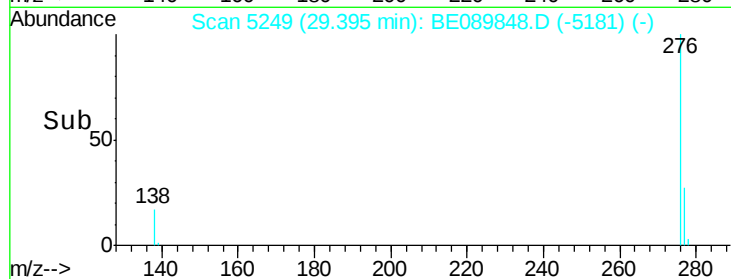
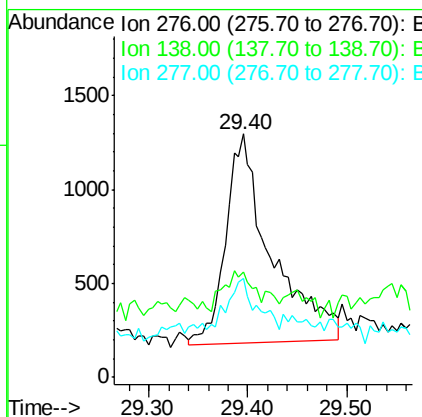
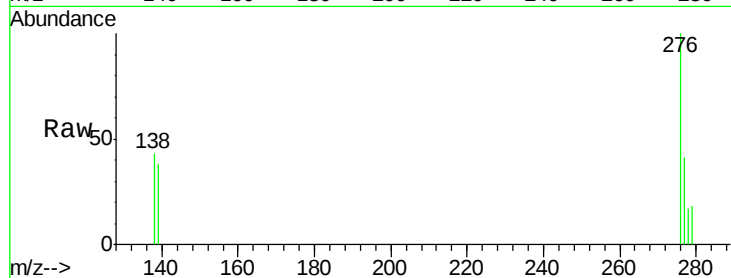




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.45 ng
 RT: 29.40 min Scan# 5249
 Delta R.T. 0.01 min
 Lab File: BE089848.D
 Acq: 25 Mar 2015 22:08

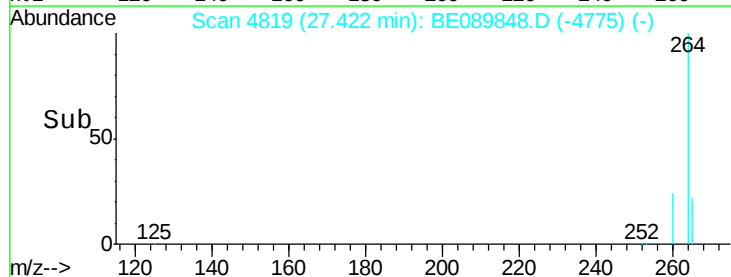
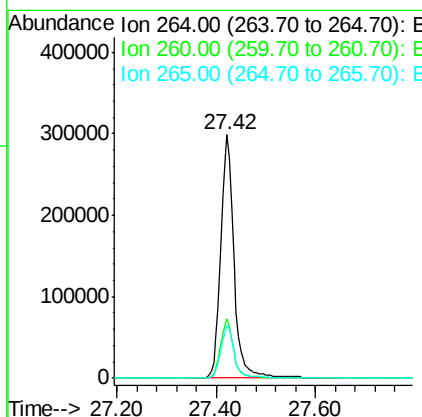
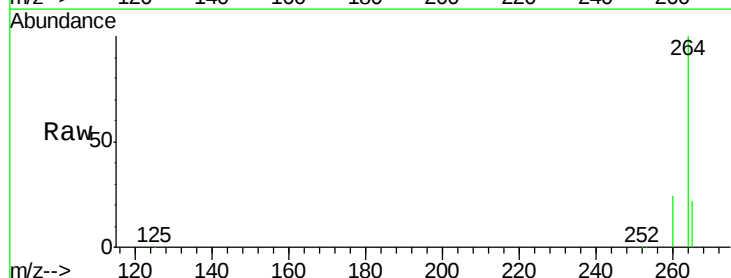
Instrument :
 BNA_E
 ClientSampleId :
 MW-24V

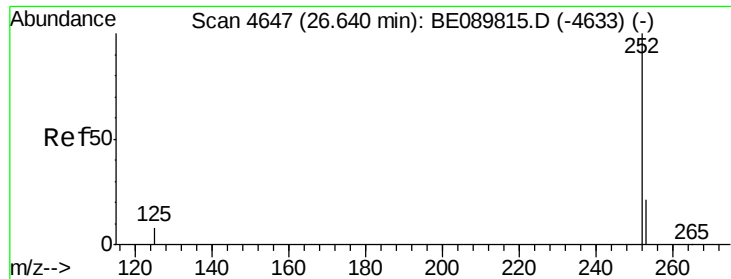
Tgt Ion: 276 Resp: 3561
 Ion Ratio Lower Upper
 276 100
 138 12.5 4.3 6.5#
 277 15.9 9.0 13.4#



#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 27.42 min Scan# 4819
 Delta R.T. 0.01 min
 Lab File: BE089848.D
 Acq: 25 Mar 2015 22:08

Tgt Ion: 264 Resp: 557916
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.2 27.2
 265 21.6 17.3 25.9

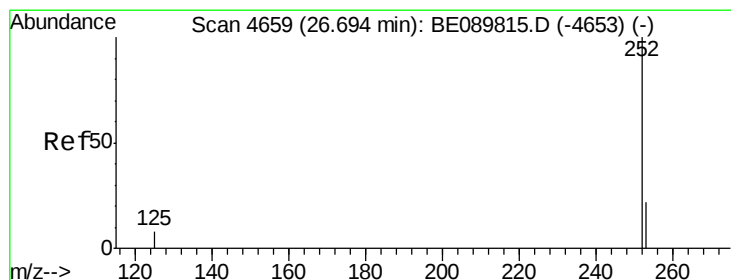
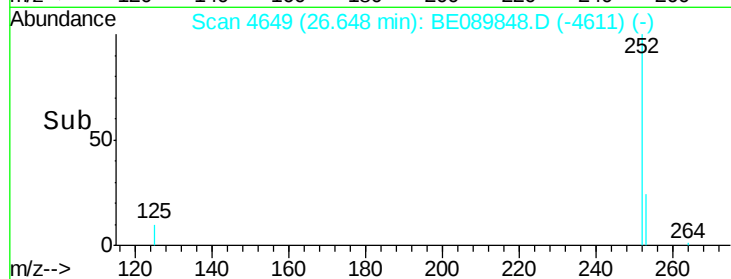
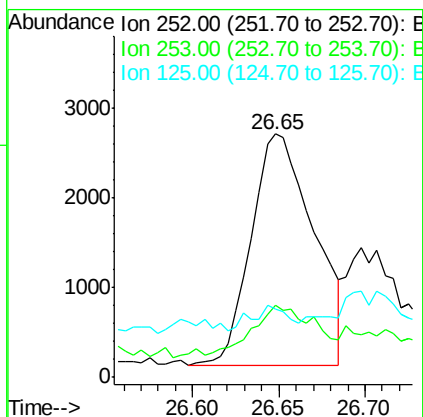
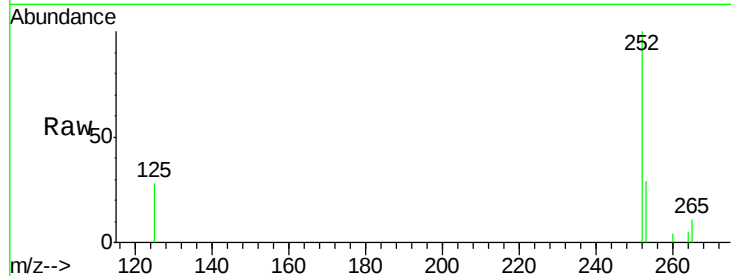




#26
Benzo(b)fluoranthene
Concen: 0.36 ng
RT: 26.65 min Scan# 4649
Delta R.T. 0.01 min
Lab File: BE089848.D
Acq: 25 Mar 2015 22:08

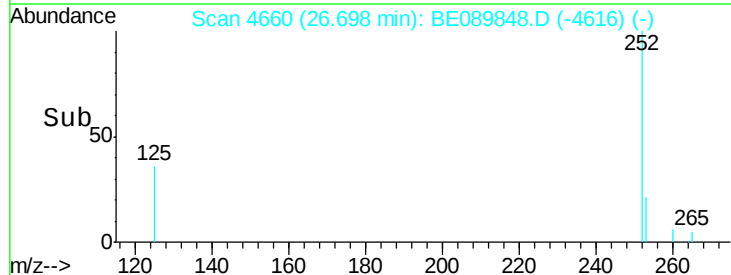
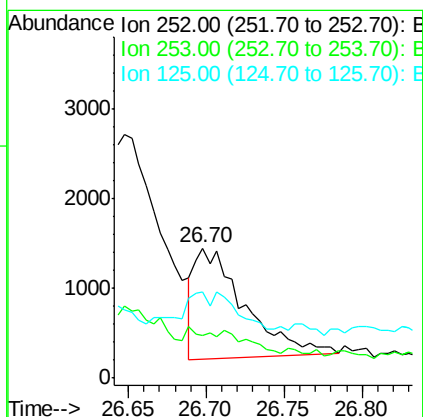
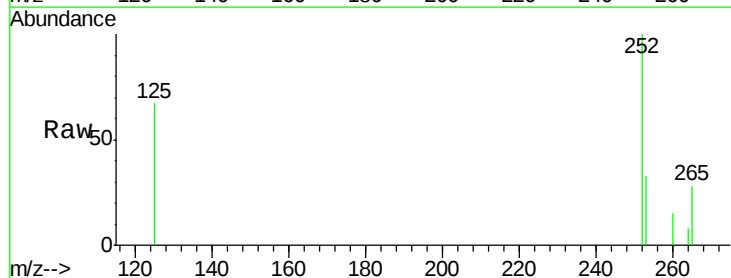
Instrument :
BNA_E
ClientSampleId :
MW-24V

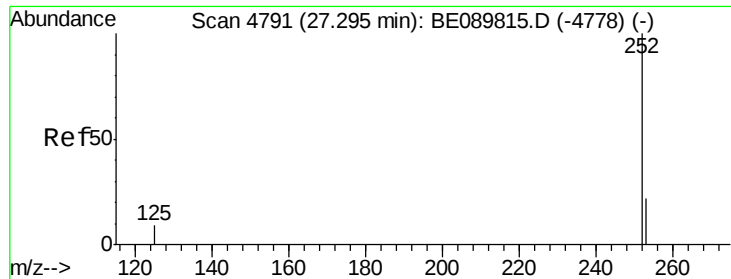
Tgt Ion: 252 Resp: 6531
Ion Ratio Lower Upper
252 100
253 29.4 17.8 26.6#
125 27.8 8.7 13.1#



#27
Benzo(k)fluoranthene
Concen: 0.02 ng
RT: 26.70 min Scan# 4660
Delta R.T. -0.00 min
Lab File: BE089848.D
Acq: 25 Mar 2015 22:08

Tgt Ion: 252 Resp: 2724
Ion Ratio Lower Upper
252 100
253 33.2 18.6 28.0#
125 66.6 10.8 16.2#





#28

Benzo(a)pyrene

Concen: 0.31 ng

RT: 27.29 min Scan# 4791

Delta R.T. -0.01 min

Lab File: BE089848.D

Acq: 25 Mar 2015 22:08

Instrument :

BNA_E

ClientSampleId :

MW-24V

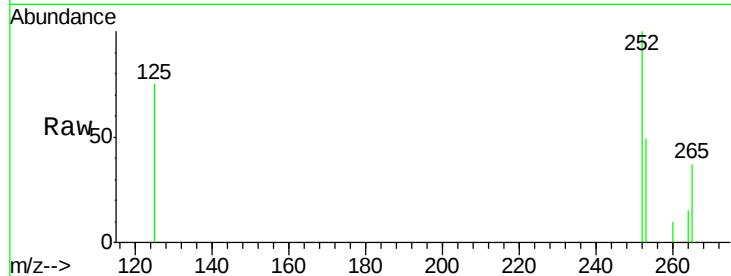
Tgt Ion:252 Resp: 1953

Ion Ratio Lower Upper

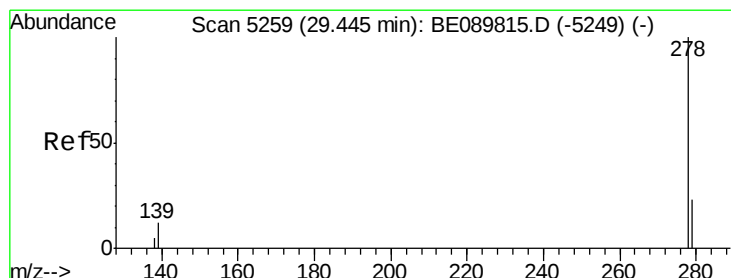
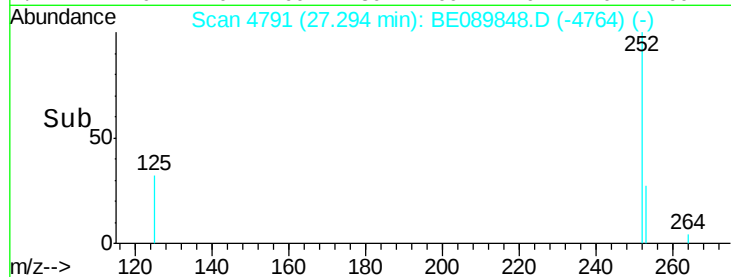
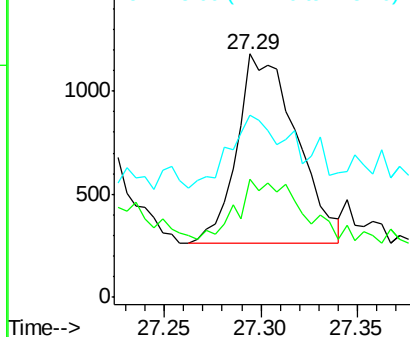
252 100

253 48.6 21.0 31.4#

125 74.8 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: 0.27 ng

RT: 29.45 min Scan# 5260

Delta R.T. 0.00 min

Lab File: BE089848.D

Acq: 25 Mar 2015 22:08

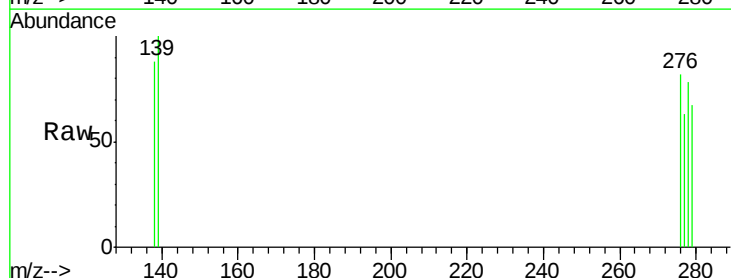
Tgt Ion:278 Resp: 654

Ion Ratio Lower Upper

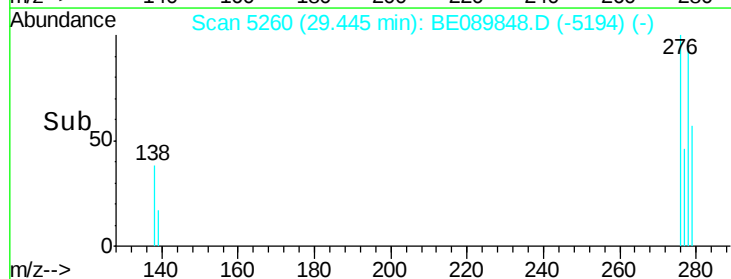
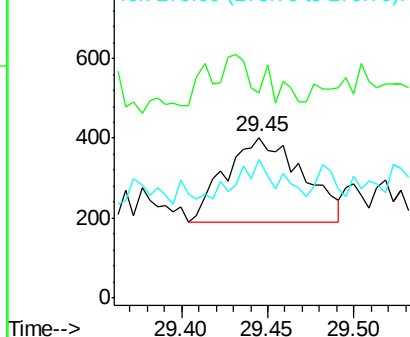
278 100

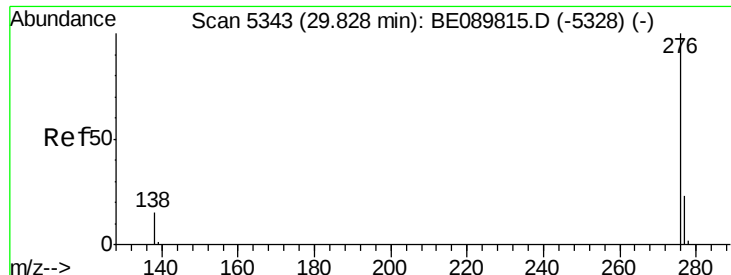
139 127.8 20.0 30.0#

279 85.9 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: 0.29 ng

RT: 29.83 min Scan# 5345

Delta R.T. 0.01 min

Lab File: BE089848.D

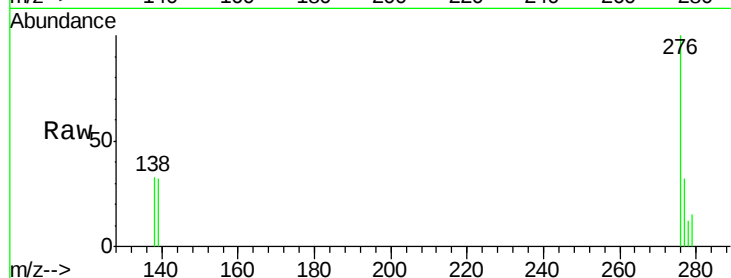
Acq: 25 Mar 2015 22:08

Instrument :

BNA_E

ClientSampleId :

MW-24V



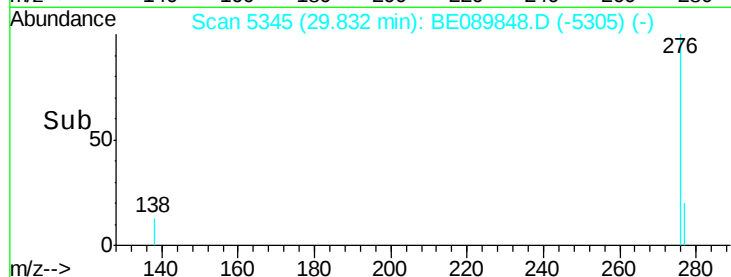
Tgt Ion: 276 Resp: 4294

Ion Ratio Lower Upper

276 100

277 31.8 19.2 28.8#

138 33.3 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

