

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
 Data File : BE088223.D
 Acq On : 24 Oct 2014 21:11
 Operator : TP/JJ
 Sample : F4379-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-EB01-102014-SO

Quant Time: Oct 27 13:13:20 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102414.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 27 13:04:40 2014
 Response via : Initial Calibration

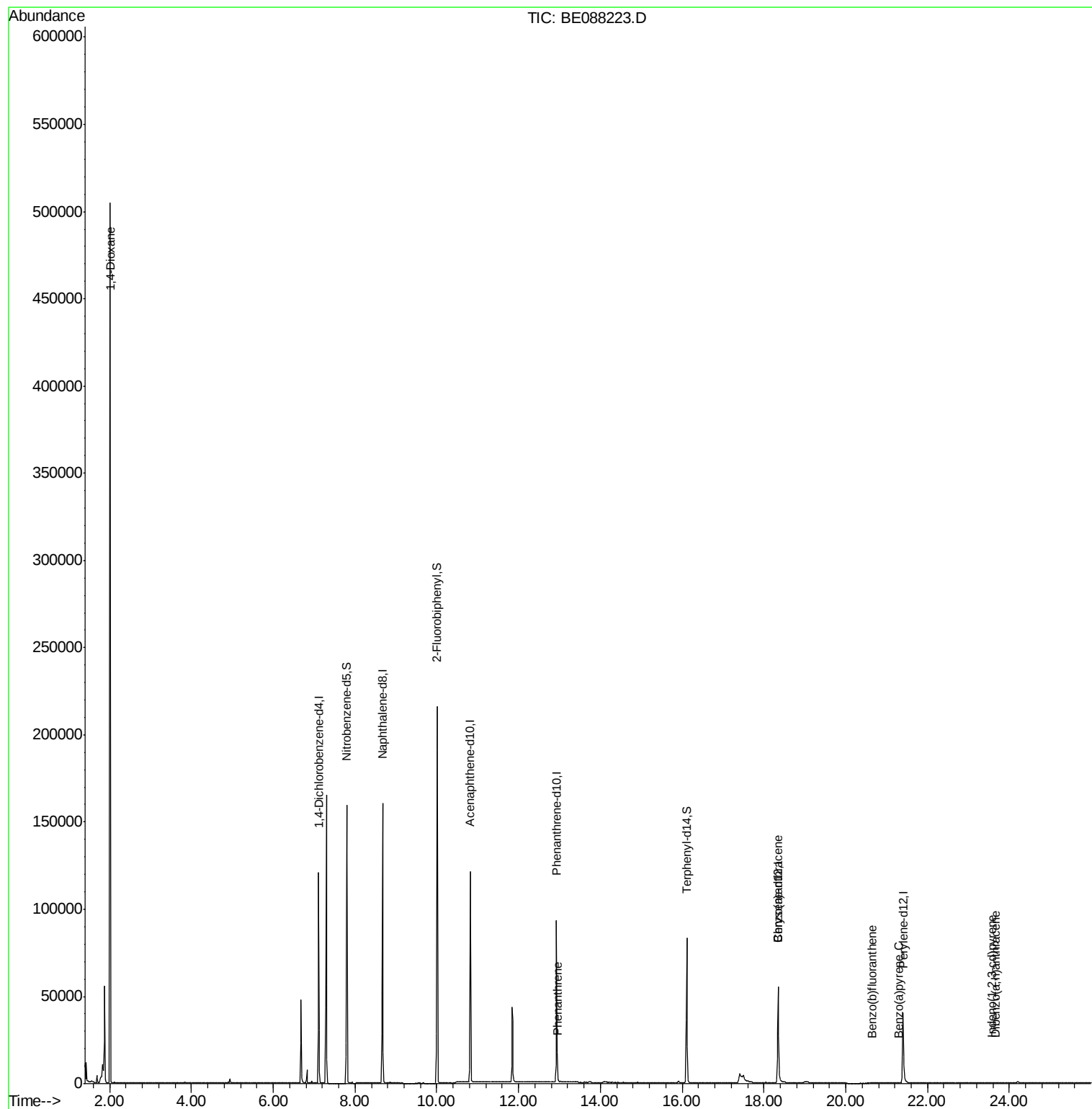
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	38924	5.00	ng	0.00
3) Naphthalene-d8	8.68	136	148942	5.00	ng	0.00
7) Acenaphthene-d10	10.81	164	66083	5.00	ng	0.00
12) Phenanthrene-d10	12.93	188	119431	5.00	ng	0.00
16) Chrysene-d12	18.35	240	66399	5.00	ng	0.00
22) Perylene-d12	21.40	264	59775	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.80	82	83612	7.53	ng	0.00
8) 2-Fluorobiphenyl	10.01	172	149750	8.13	ng	0.00
18) Terphenyl-d14	16.11	244	109983	10.11	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.01	88	16497	3.04	ng	# 1
13) Phenanthrene	12.97	178	3116	0.03	ng	# 78
19) Benzo(a)anthracene	18.34	228	1614	0.03	ng	# 72
21) Indeno(1,2,3-cd)pyrene	23.57	276	390	0.25	ng	# 68
23) Benzo(b)fluoranthene	20.64	252	239	0.18	ng	# 30
25) Benzo(a)pyrene	21.29	252	126	0.18	ng	# 11
26) Dibenzo(a,h)anthracene	23.66	278	59	0.21	ng	# 1

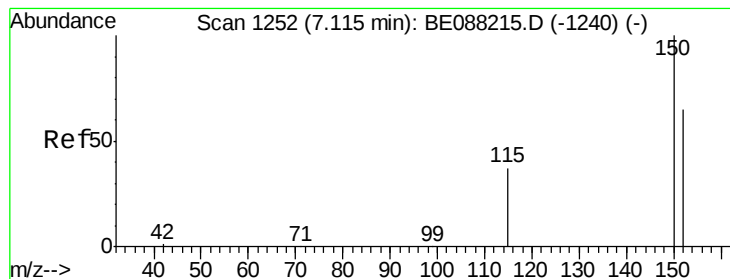
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.11 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BE088223.D

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YS19-EB01-102014-SO

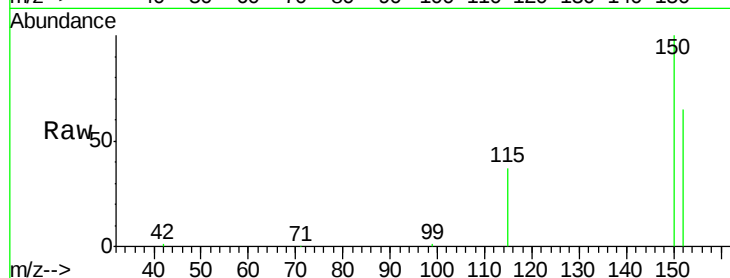
Tgt Ion:152 Resp: 38924

Ion Ratio Lower Upper

152 100

150 154.8 123.2 184.8

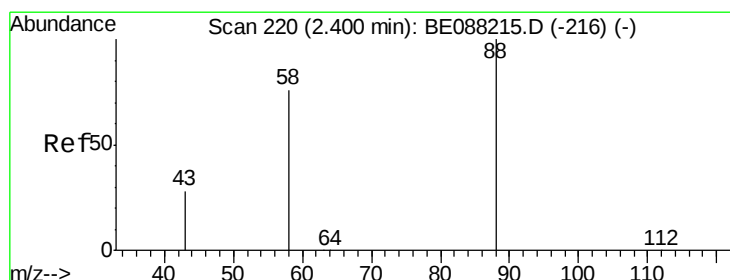
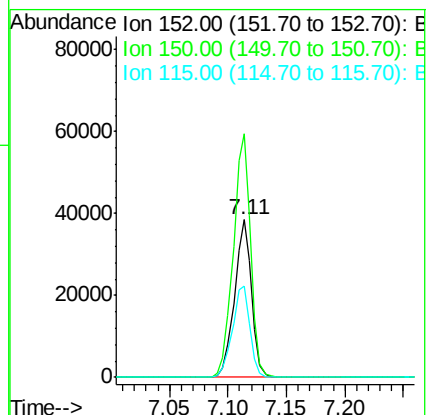
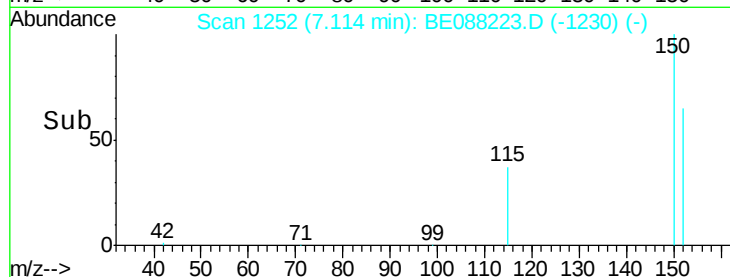
115 57.7 45.3 67.9



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: 3.04 ng

RT: 2.01 min Scan# 135

Delta R.T. -0.39 min

Lab File: BE088223.D

Acq: 24 Oct 2014 21:11

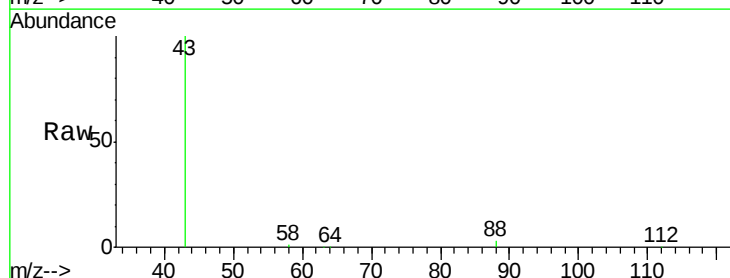
Tgt Ion: 88 Resp: 16497

Ion Ratio Lower Upper

88 100

58 29.8 59.0 88.4#

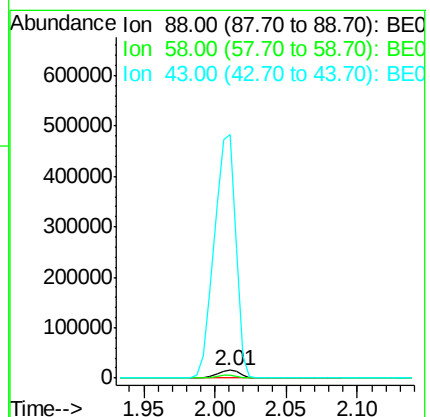
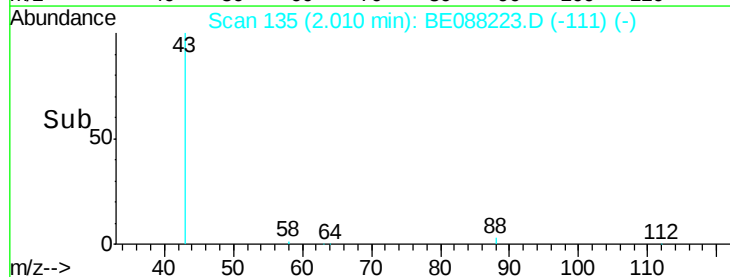
43 3031.6 21.9 32.9#

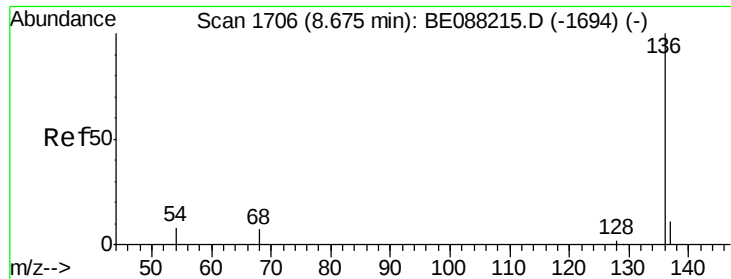


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.68 min Scan# 1707

Delta R.T. 0.00 min

Lab File: BE088223.D

Acq: 24 Oct 2014 21:11

Instrument :

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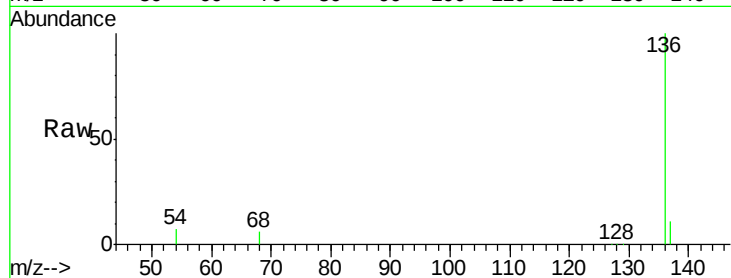
Tgt Ion: 136 Resp: 148942

Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

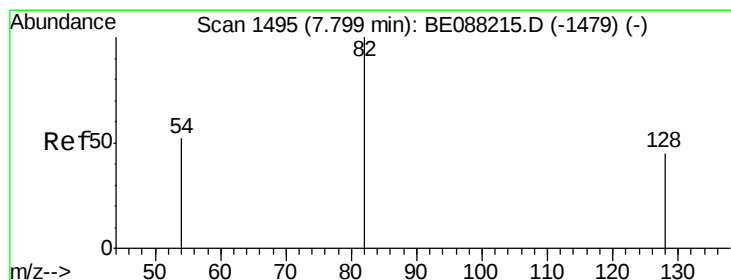
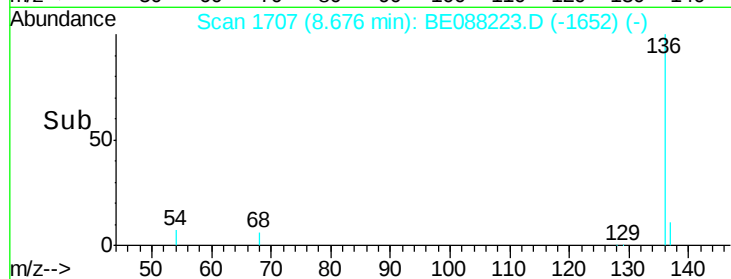
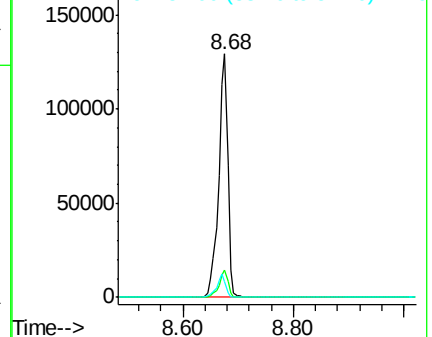
54 6.7 6.1 9.1



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



#4

Nitrobenzene-d5

Concen: 7.53 ng

RT: 7.80 min Scan# 1495

Delta R.T. 0.00 min

Lab File: BE088223.D

Acq: 24 Oct 2014 21:11

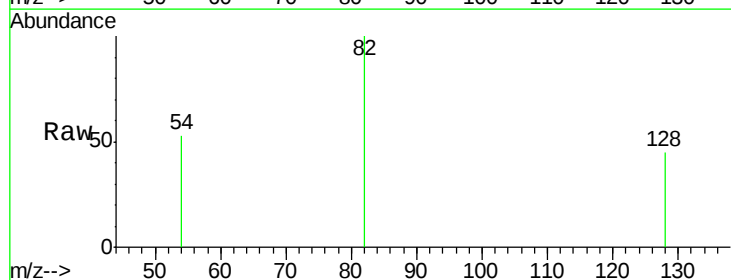
Tgt Ion: 82 Resp: 83612

Ion Ratio Lower Upper

82 100

128 45.5 36.2 54.2

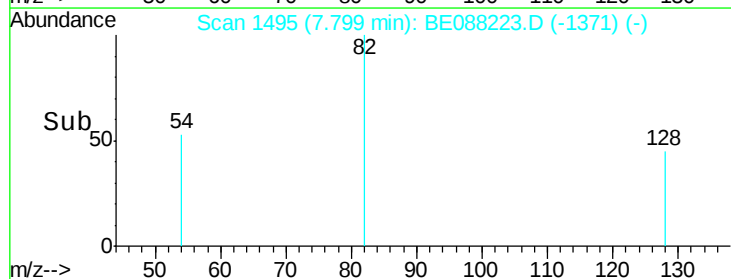
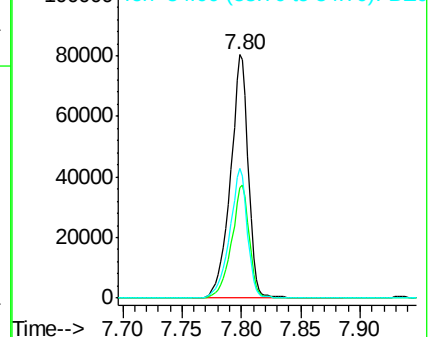
54 53.1 41.8 62.8

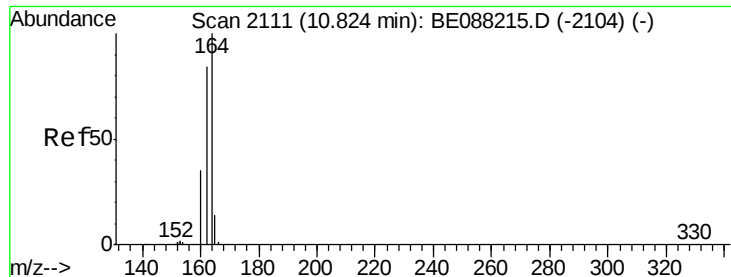


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.81 min Scan# 2111

Delta R.T. -0.01 min

Lab File: BE088223.D

Acq: 24 Oct 2014 21:11

Instrument :

BNA_E

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YS19-EB01-102014-SO

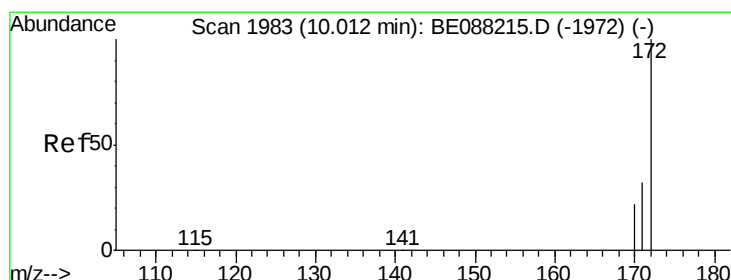
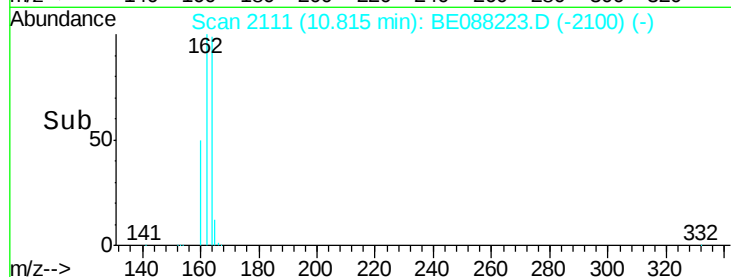
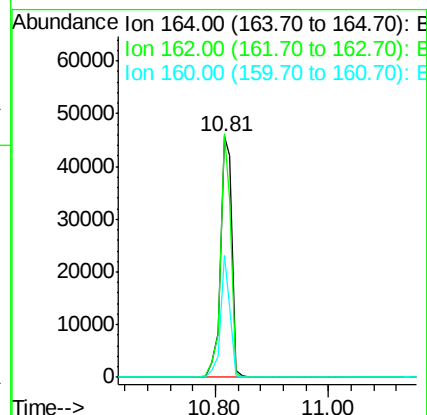
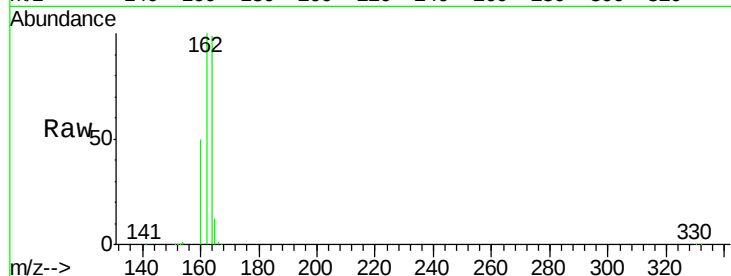
Tgt Ion:164 Resp: 66083

Ion Ratio Lower Upper

164 100

162 101.1 67.4 101.0#

160 50.8 27.7 41.5#



#8

2-Fluorobiphenyl

Concen: 8.13 ng

RT: 10.01 min Scan# 1984

Delta R.T. -0.00 min

Lab File: BE088223.D

Acq: 24 Oct 2014 21:11

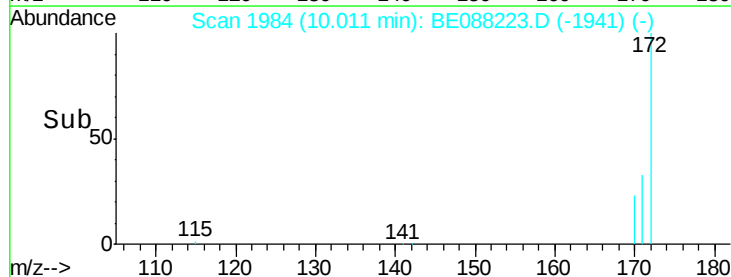
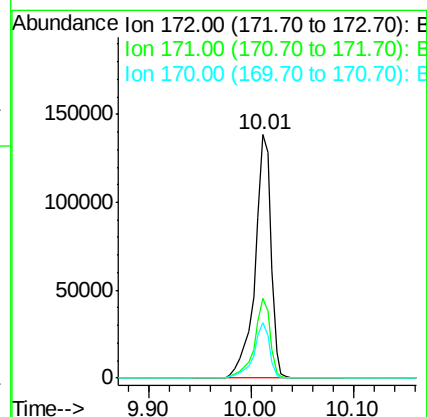
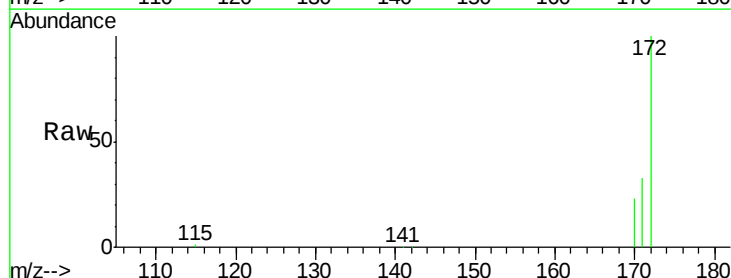
Tgt Ion:172 Resp: 149750

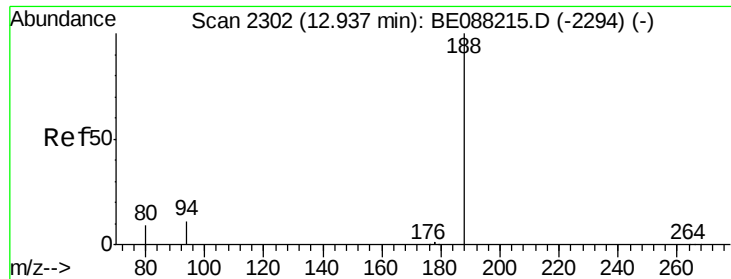
Ion Ratio Lower Upper

172 100

171 32.8 25.8 38.6

170 22.7 17.4 26.0

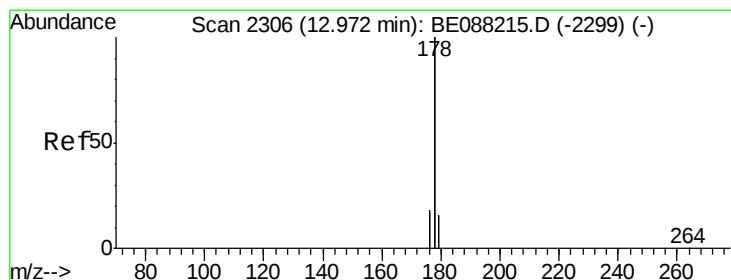
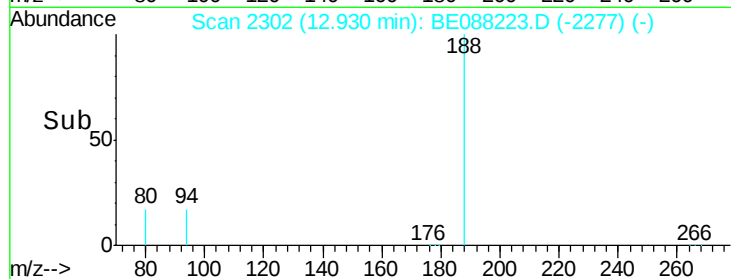
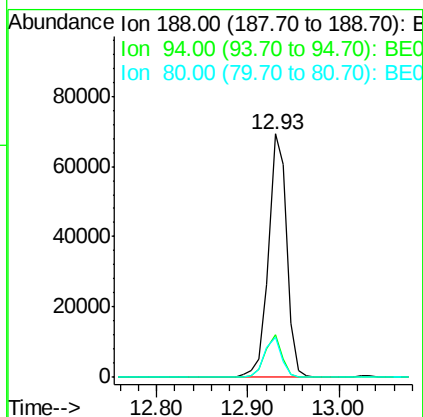
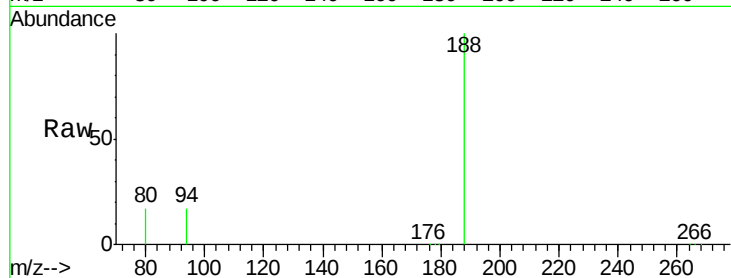




#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.93 min Scan# 2302
Delta R.T. -0.01 min
Lab File: BE088223.D
Acq: 24 Oct 2014 21:11

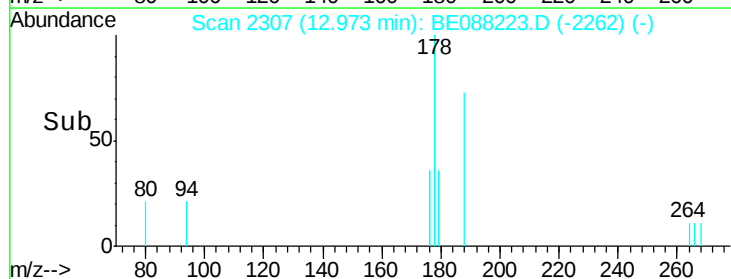
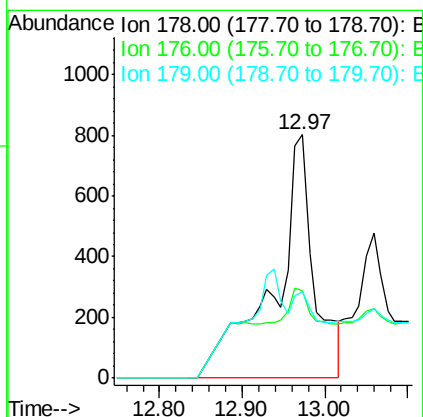
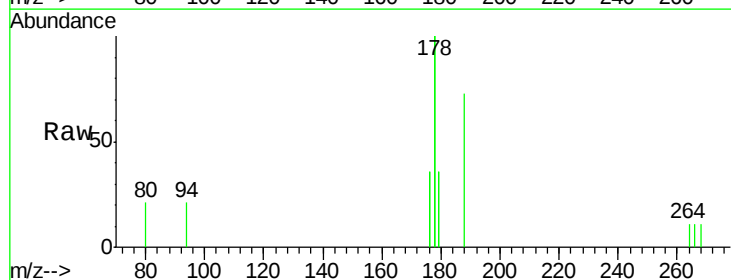
Instrument :
BNA_E
ClientSampleId :
YS19-EB01-102014-SO

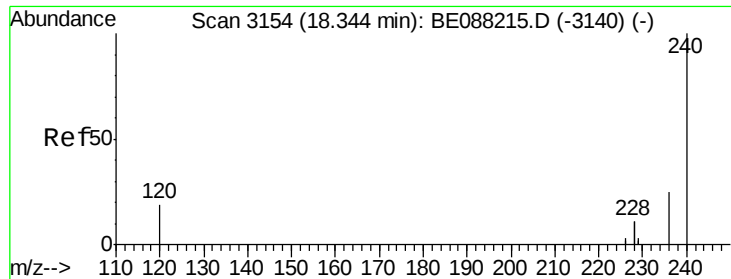
Tgt Ion:188 Resp: 119431
Ion Ratio Lower Upper
188 100
94 17.5 8.5 12.7#
80 16.5 7.4 11.0#



#13
Phenanthrene
Concen: 0.03 ng
RT: 12.97 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BE088223.D
Acq: 24 Oct 2014 21:11

Tgt Ion:178 Resp: 3116
Ion Ratio Lower Upper
178 100
176 12.5 14.0 21.0#
179 0.0 11.8 17.6#





#16

Chrysene-d12

Concen: 5.00 ng

RT: 18.35 min Scan# 3155

Delta R.T. 0.00 min

Lab File: BE088223.D

Acq: 24 Oct 2014 21:11

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-102014-SO

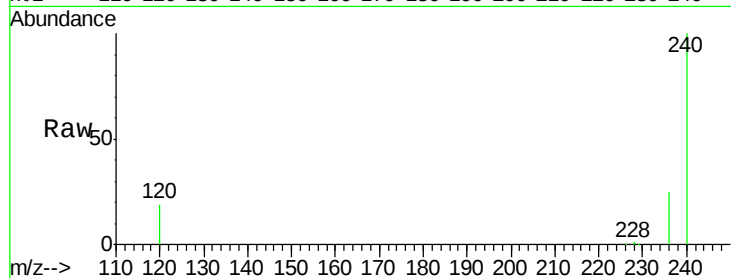
Tgt Ion:240 Resp: 66399

Ion Ratio Lower Upper

240 100

120 19.2 15.1 22.7

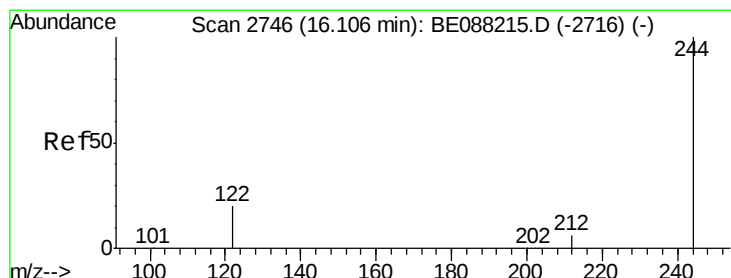
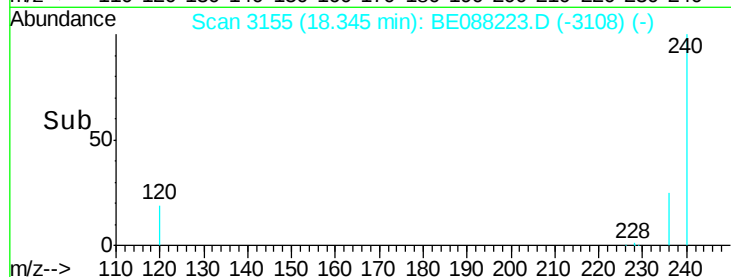
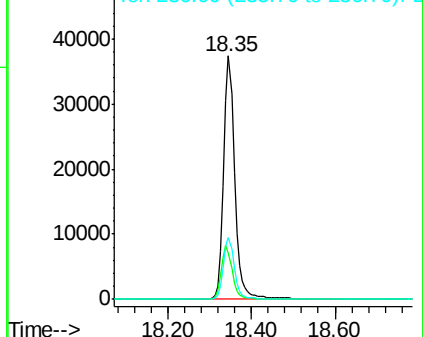
236 25.4 20.1 30.1



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



#18

Terphenyl-d14

Concen: 10.11 ng

RT: 16.11 min Scan# 2748

Delta R.T. 0.00 min

Lab File: BE088223.D

Acq: 24 Oct 2014 21:11

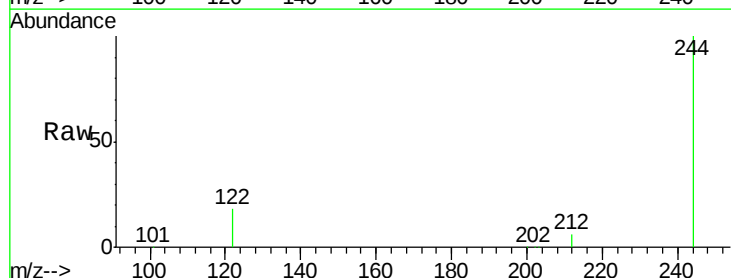
Tgt Ion:244 Resp: 109983

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

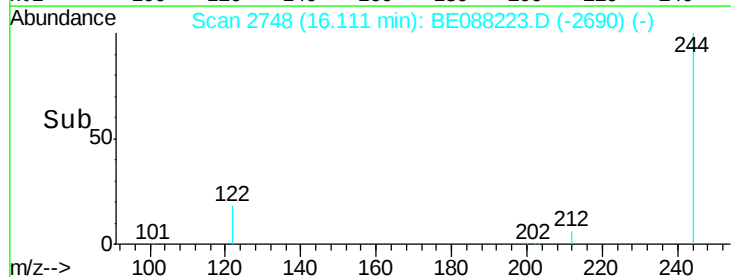
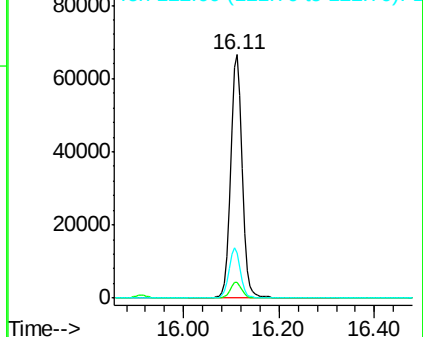
122 18.4 16.7 25.1

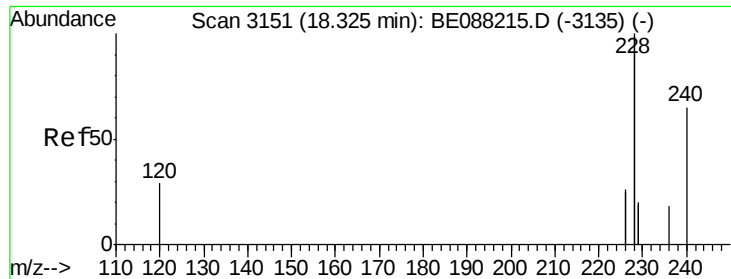


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#19

Benzo(a)anthracene

Concen: 0.03 ng

RT: 18.34 min Scan# 3154

Delta R.T. 0.01 min

Lab File: BE088223.D

Acq: 24 Oct 2014 21:11

Instrument :

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ClientSampleId :

YS19-EB01-102014-SO

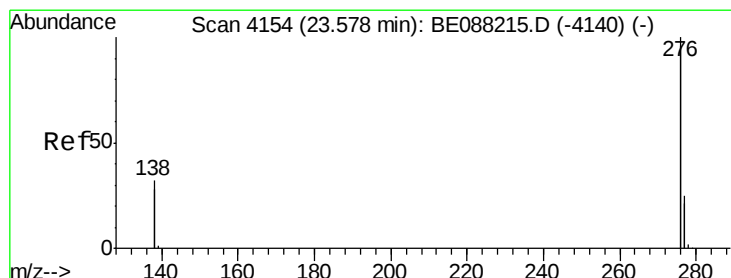
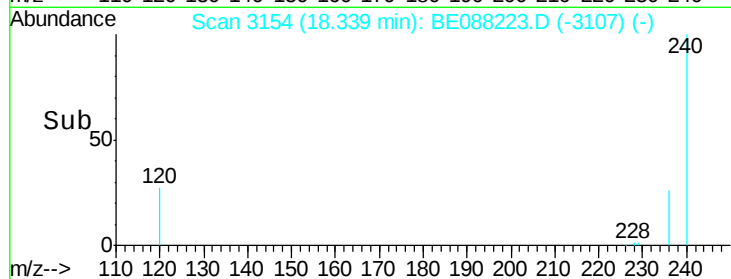
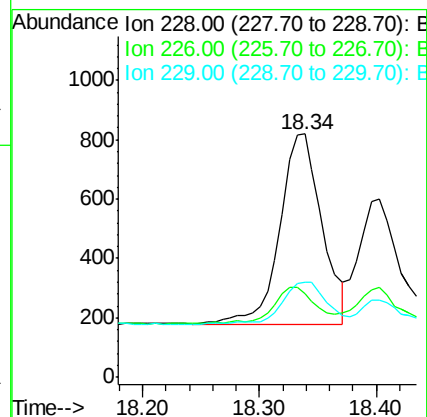
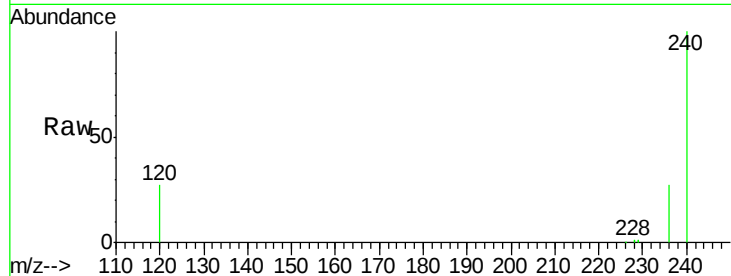
Tgt Ion: 228 Resp: 1614

Ion Ratio Lower Upper

228 100

226 34.1 20.5 30.7#

229 39.3 16.1 24.1#



#21

Indeno(1,2,3-cd)pyrene

Concen: 0.25 ng

RT: 23.57 min Scan# 4154

Delta R.T. -0.01 min

Lab File: BE088223.D

Acq: 24 Oct 2014 21:11

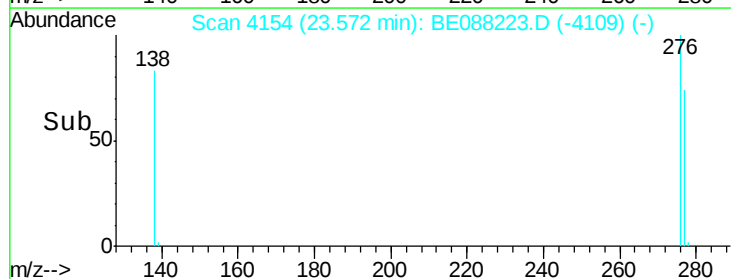
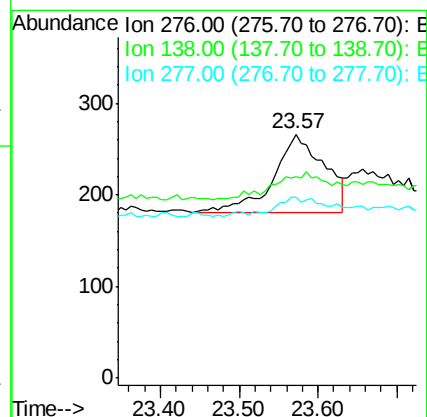
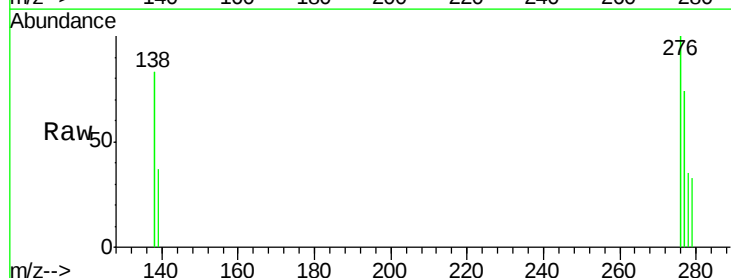
Tgt Ion: 276 Resp: 390

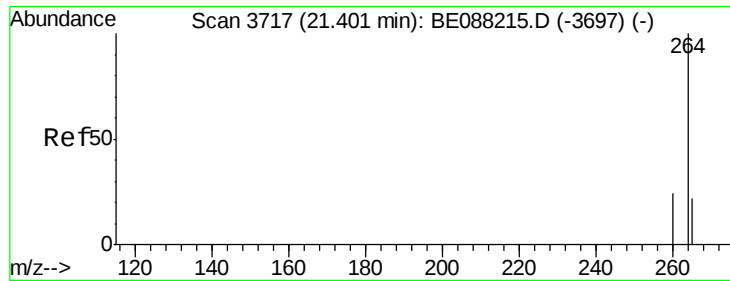
Ion Ratio Lower Upper

276 100

138 35.4 13.9 20.9#

277 21.0 10.7 16.1#

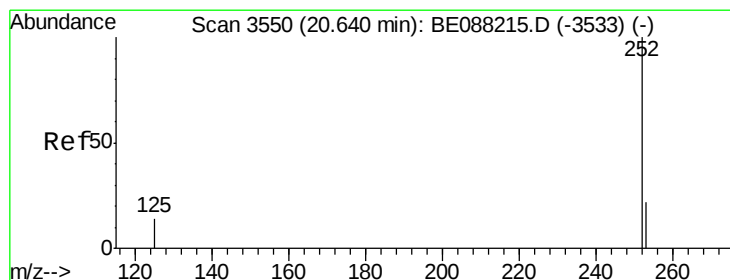
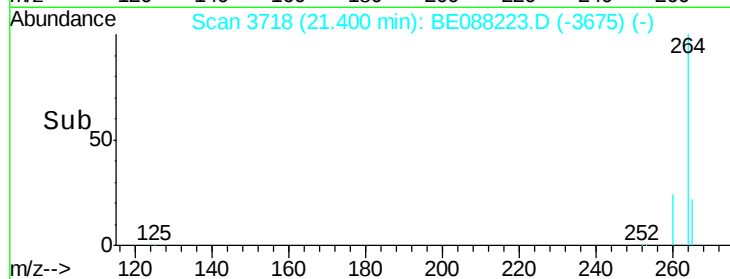
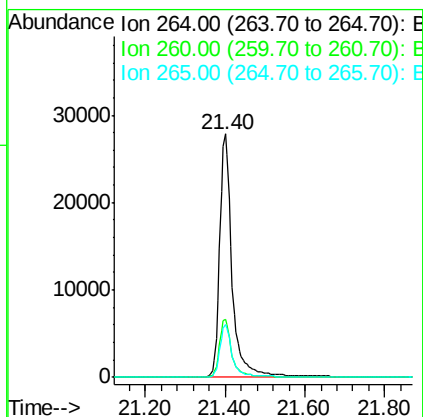
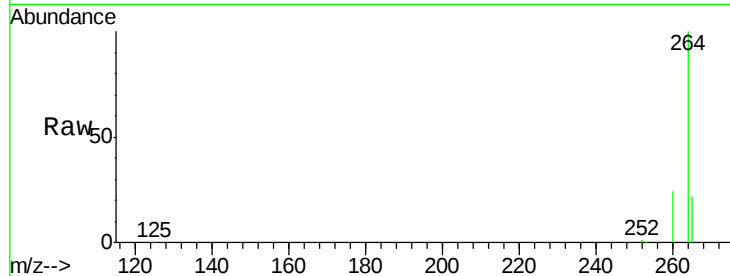




#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.40 min Scan# 3718
 Delta R.T. -0.00 min
 Lab File: BE088223.D
 Acq: 24 Oct 2014 21:11

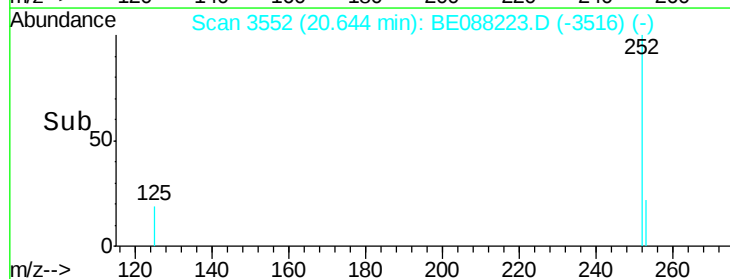
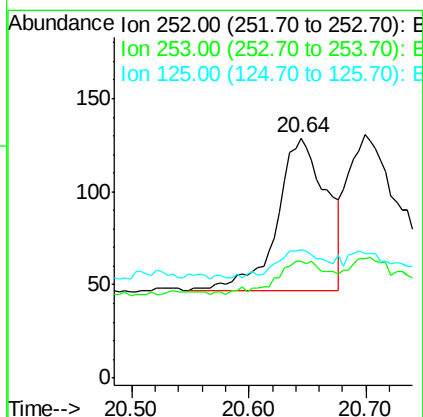
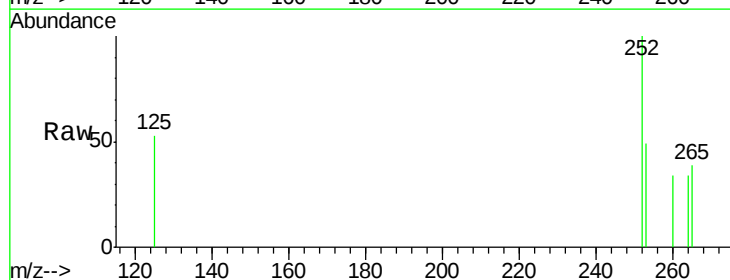
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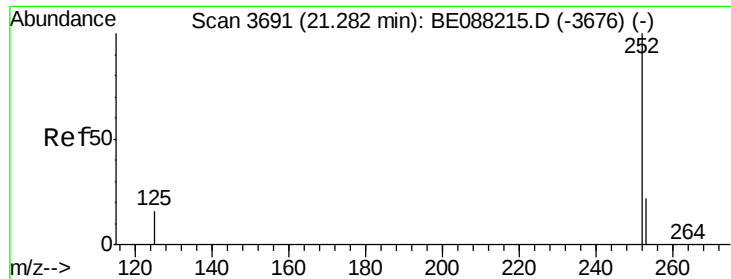
Tgt Ion: 264 Resp: 59775
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.4
 265 21.7 17.4 26.2



#23
 Benzo(b)fluoranthene
 Concen: 0.18 ng
 RT: 20.64 min Scan# 3552
 Delta R.T. 0.00 min
 Lab File: BE088223.D
 Acq: 24 Oct 2014 21:11

Tgt Ion: 252 Resp: 239
 Ion Ratio Lower Upper
 252 100
 253 48.8 17.9 26.9#
 125 53.5 12.2 18.2#





#25

Benzo(a)pyrene

Concen: 0.18 ng

RT: 21.29 min Scan# 3693

Delta R.T. 0.00 min

Lab File: BE088223.D

Acq: 24 Oct 2014 21:11

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-102014-SO

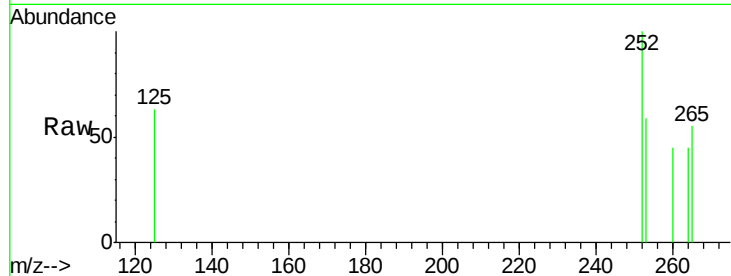
Tgt Ion: 252 Resp: 126

Ion Ratio Lower Upper

252 100

253 58.8 17.8 26.8#

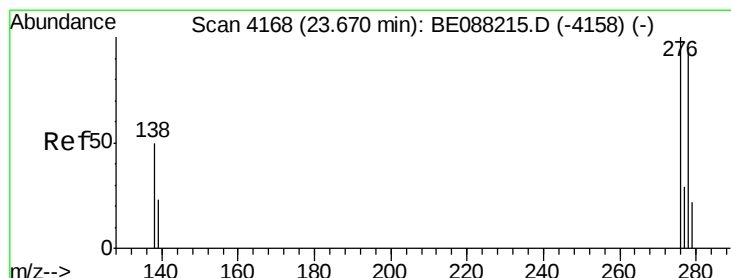
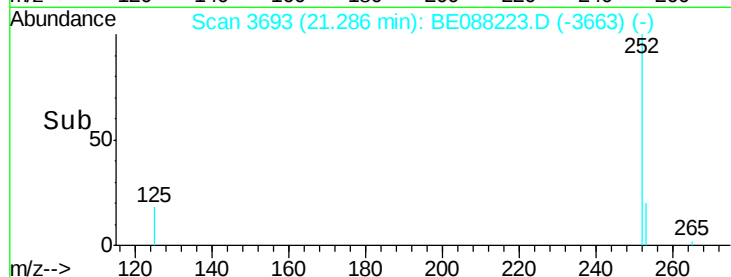
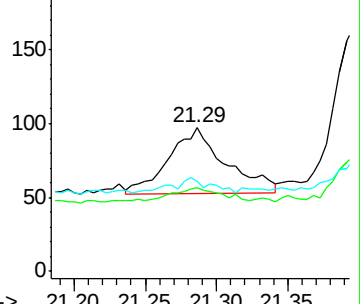
125 62.9 13.5 20.3#



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



#26

Dibenzo(a,h)anthracene

Concen: 0.21 ng

RT: 23.66 min Scan# 4168

Delta R.T. -0.01 min

Lab File: BE088223.D

Acq: 24 Oct 2014 21:11

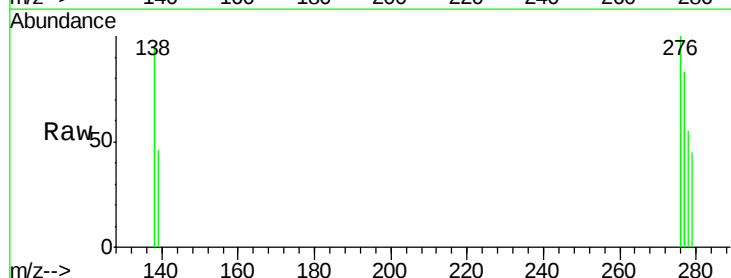
Tgt Ion: 278 Resp: 59

Ion Ratio Lower Upper

278 100

139 83.6 22.1 33.1#

279 82.0 20.2 30.2#



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

