

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
 Data File : BE088224.D
 Acq On : 24 Oct 2014 21:44
 Operator : TP/JJ
 Sample : F4351-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SW16-1014

Quant Time: Oct 27 13:13:28 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

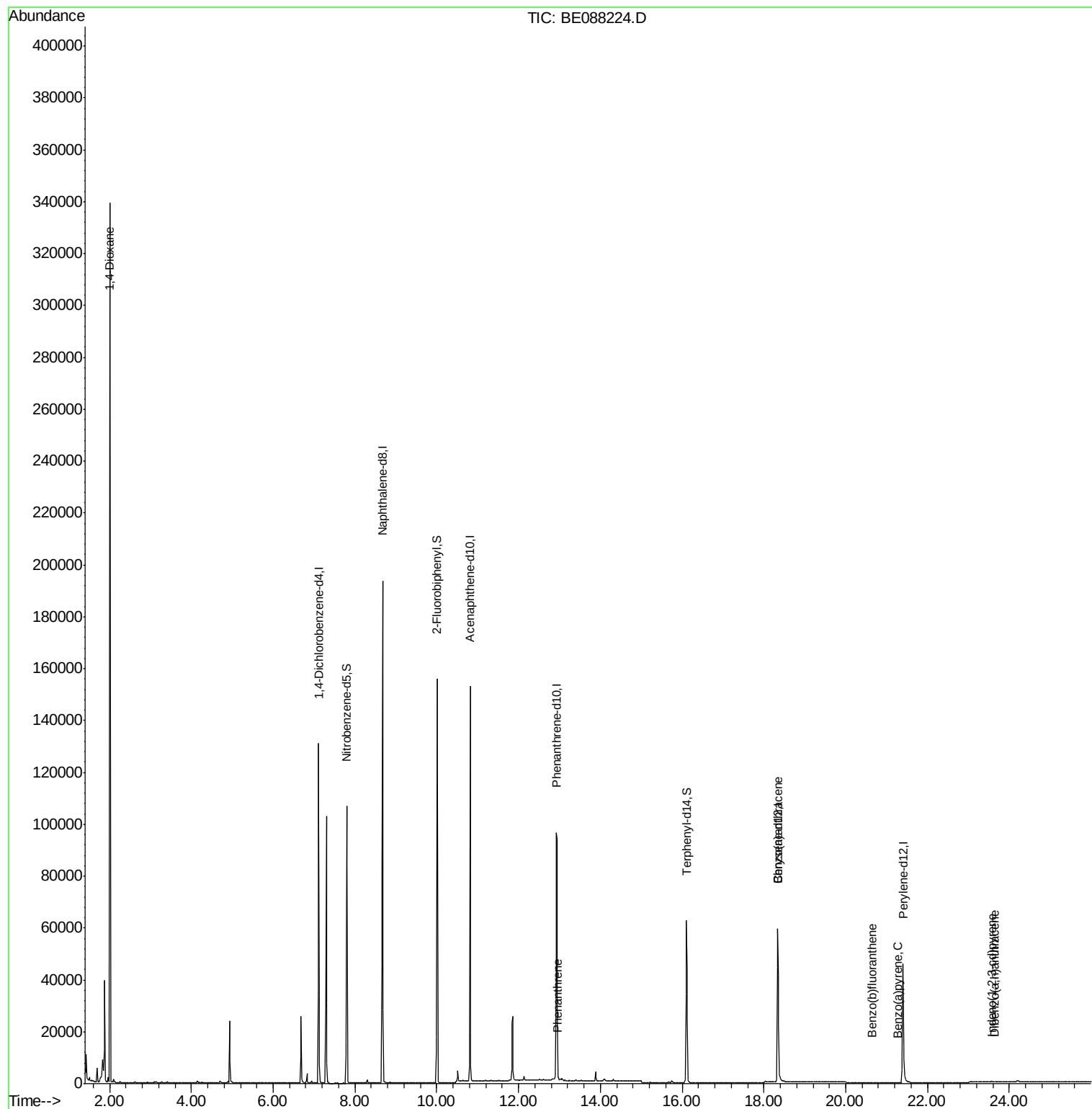
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	43015	5.00	ng	0.00
3) Naphthalene-d8	8.68	136	165873	5.00	ng	0.00
7) Acenaphthene-d10	10.82	164	76516	5.00	ng	0.00
12) Phenanthrene-d10	12.94	188	138525	5.00	ng	0.00
16) Chrysene-d12	18.34	240	74438	5.00	ng	0.00
22) Perylene-d12	21.40	264	66443	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.80	82	55320	4.52	ng	0.00
8) 2-Fluorobiphenyl	10.01	172	103739	4.86	ng	0.00
18) Terphenyl-d14	16.11	244	81926	6.72	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.01	88	10037	1.67	ng	# 1
13) Phenanthrene	12.97	178	3837	0.03	ng	# 81
19) Benzo(a)anthracene	18.33	228	1732	0.03	ng	# 71
21) Indeno(1,2,3-cd)pyrene	23.57	276	592	0.25	ng	# 86
23) Benzo(b)fluoranthene	20.64	252	308	0.18	ng	# 34
25) Benzo(a)pyrene	21.27	252	110	0.18	ng	# 3
26) Dibenzo(a,h)anthracene	23.66	278	56	0.21	ng	# 1

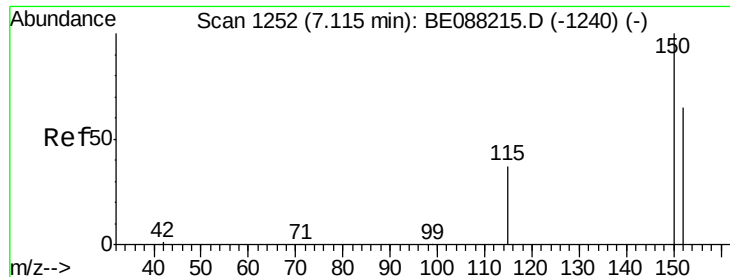
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE088224.D

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BNA_E

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YS19-SW16-1014

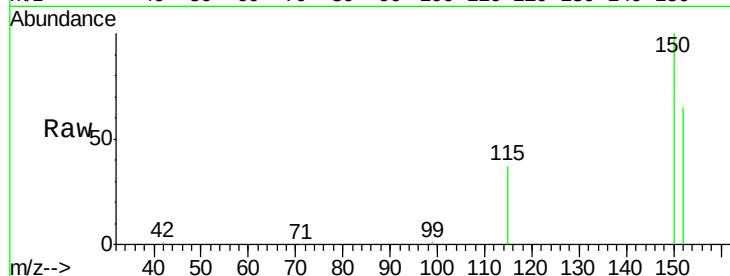
Tgt Ion:152 Resp: 43015

Ion Ratio Lower Upper

152 100

150 152.9 123.2 184.8

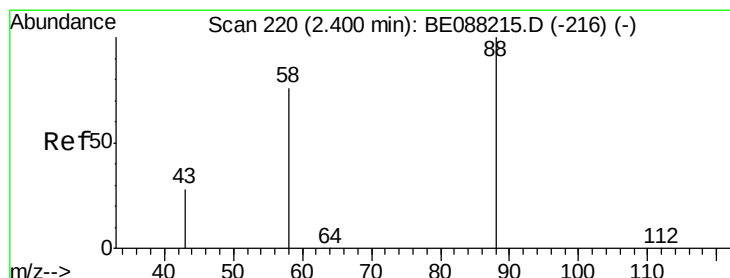
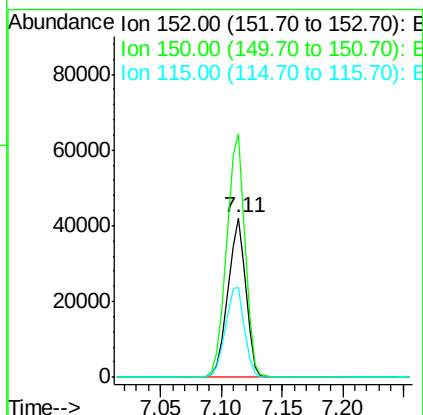
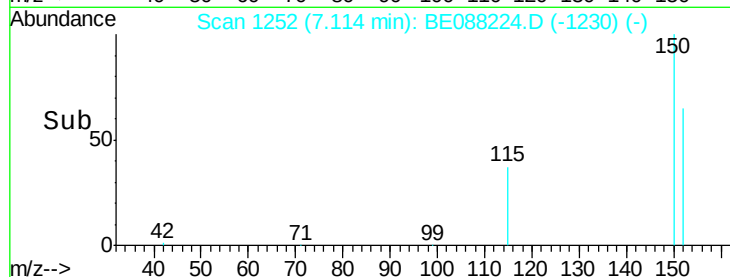
115 56.6 45.3 67.9



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: 1.67 ng

RT: 2.01 min Scan# 135

Delta R.T. -0.39 min

Lab File: BE088224.D

Acq: 24 Oct 2014 21:44

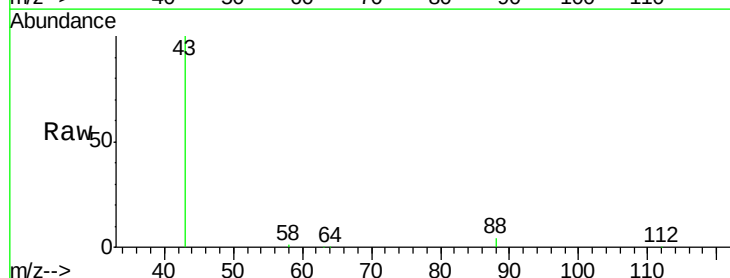
Tgt Ion: 88 Resp: 10037

Ion Ratio Lower Upper

88 100

58 27.5 59.0 88.4#

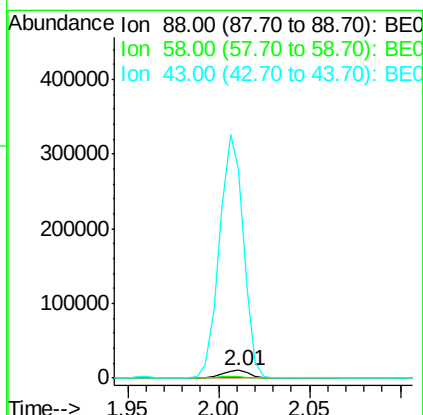
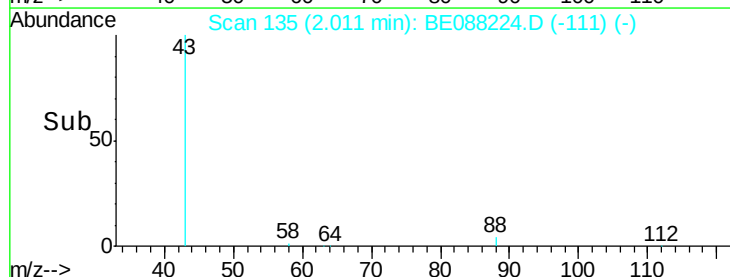
43 2950.5 21.9 32.9#

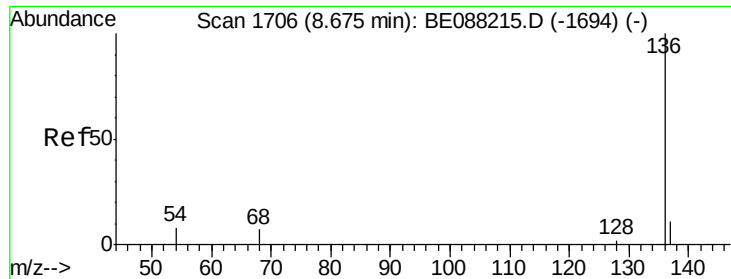


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

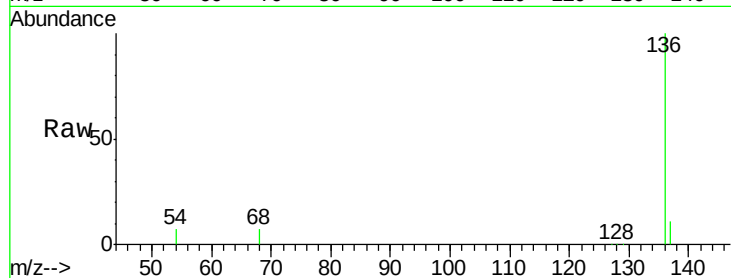




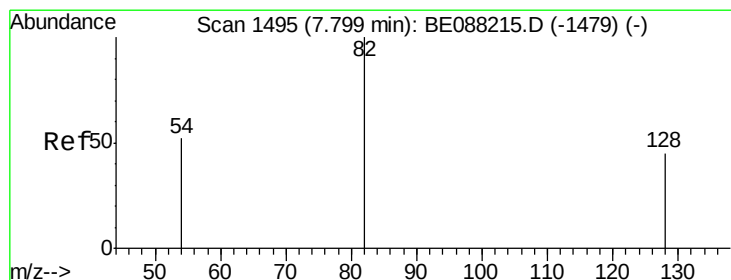
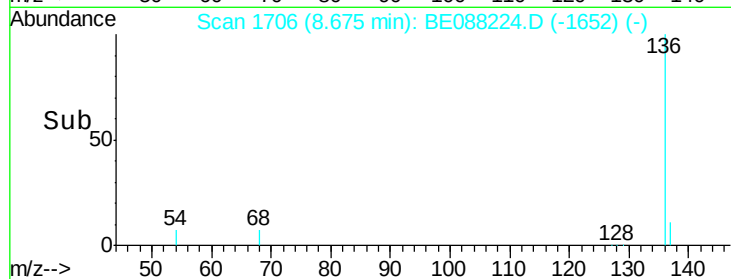
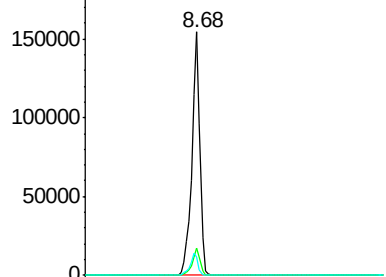
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.68 min Scan# 1706
Delta R.T. 0.00 min
Lab File: BE088224.D
Acq: 24 Oct 2014 21:44

Instrument :
BNA_E
ClientSampleId :
YS19-SW16-1014

Tgt Ion: 136 Resp: 165873
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 7.3 6.1 9.1

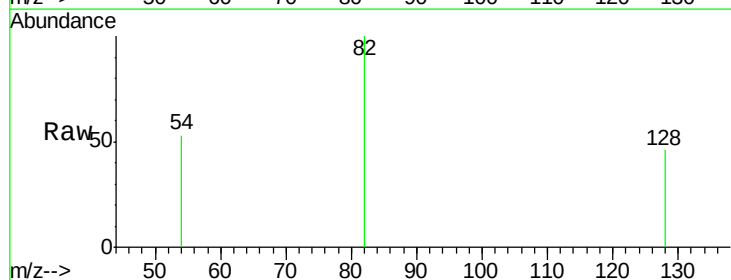


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0

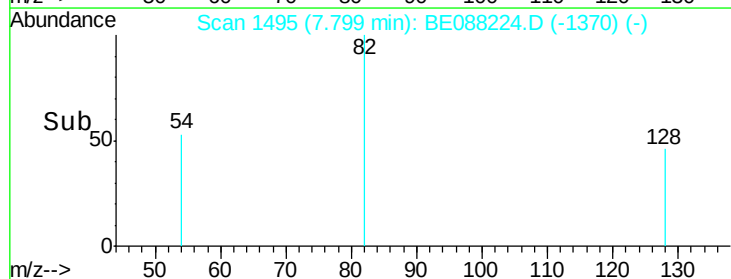
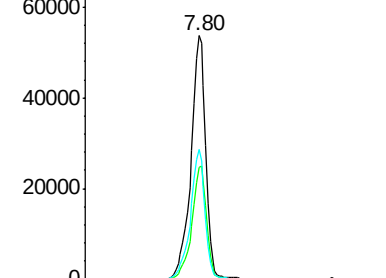


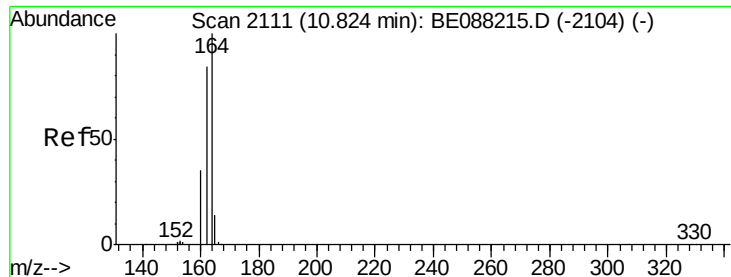
#4
Nitrobenzene-d5
Concen: 4.52 ng
RT: 7.80 min Scan# 1495
Delta R.T. 0.00 min
Lab File: BE088224.D
Acq: 24 Oct 2014 21:44

Tgt Ion: 82 Resp: 55320
Ion Ratio Lower Upper
82 100
128 45.9 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: 10.82 min Scan# 2111

Delta R.T. 0.00 min

Lab File: BE088224.D

Acq: 24 Oct 2014 21:44

Instrument :

BNA_E

ClientSampleId :

YS19-SW16-1014

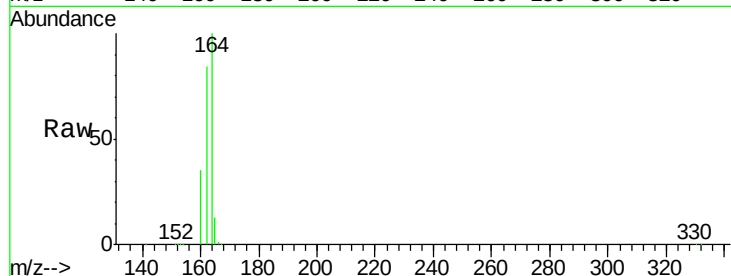
Tgt Ion:164 Resp: 76516

Ion Ratio Lower Upper

164 100

162 84.1 67.4 101.0

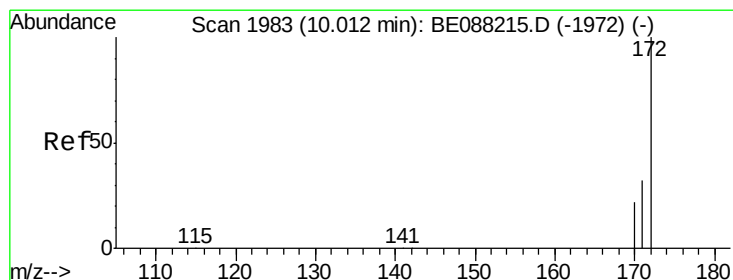
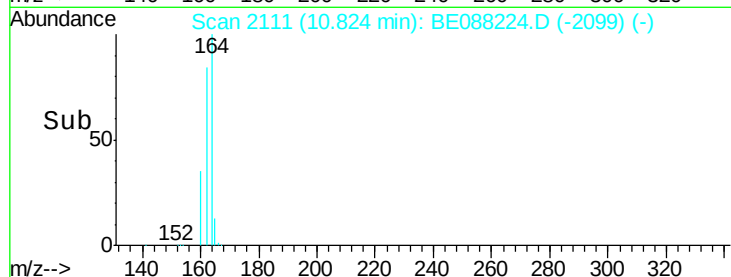
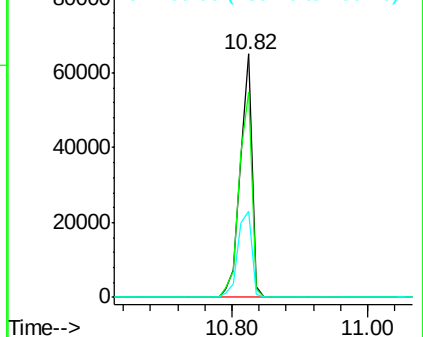
160 35.4 27.7 41.5



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



#8

2-Fluorobiphenyl

Concen: 4.86 ng

RT: 10.01 min Scan# 1983

Delta R.T. -0.00 min

Lab File: BE088224.D

Acq: 24 Oct 2014 21:44

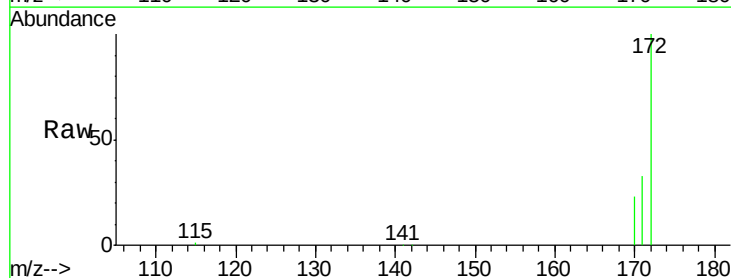
Tgt Ion:172 Resp: 103739

Ion Ratio Lower Upper

172 100

171 33.0 25.8 38.6

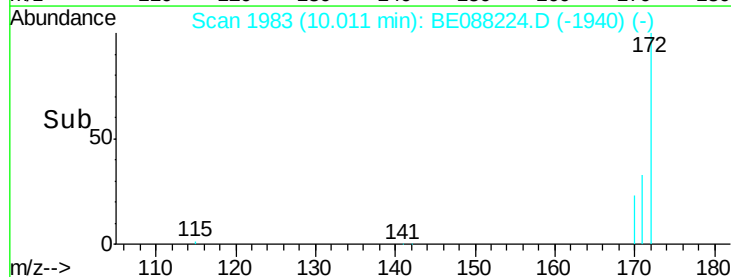
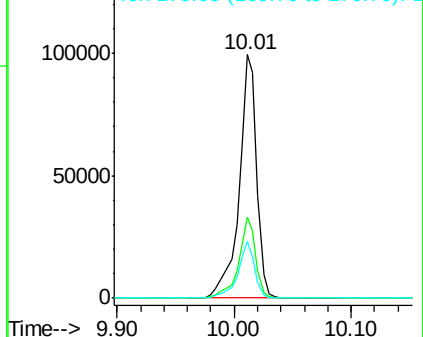
170 23.1 17.4 26.0

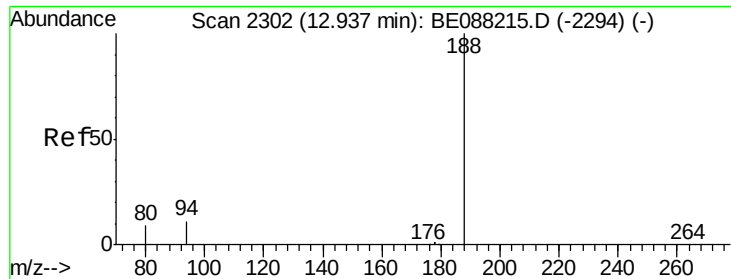


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

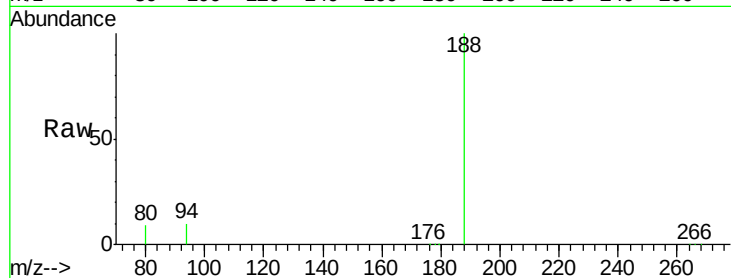




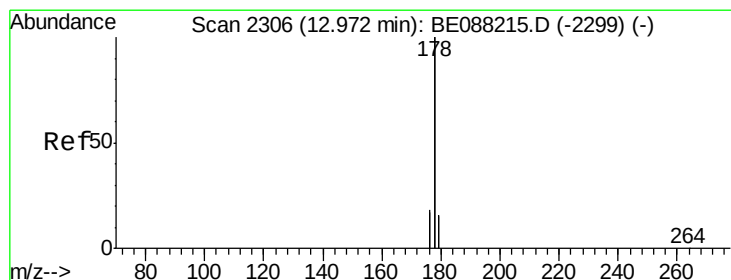
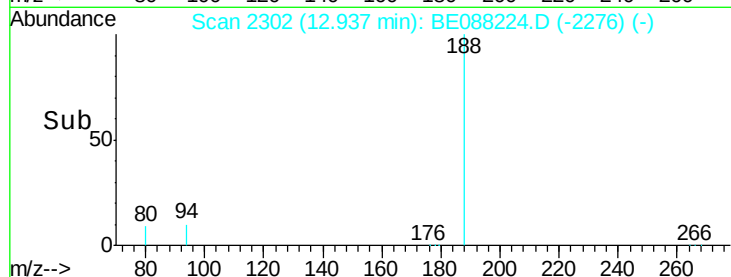
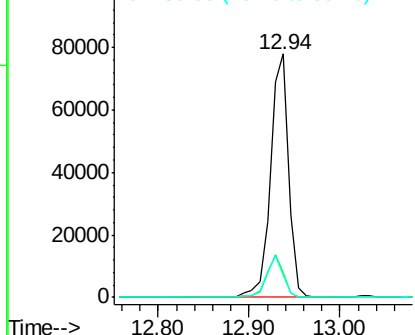
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.94 min Scan# 2302
Delta R.T. -0.00 min
Lab File: BE088224.D
Acq: 24 Oct 2014 21:44

Instrument :
BNA_E
ClientSampleId :
YS19-SW16-1014

Tgt Ion:188 Resp: 138525
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 8.9 7.4 11.0

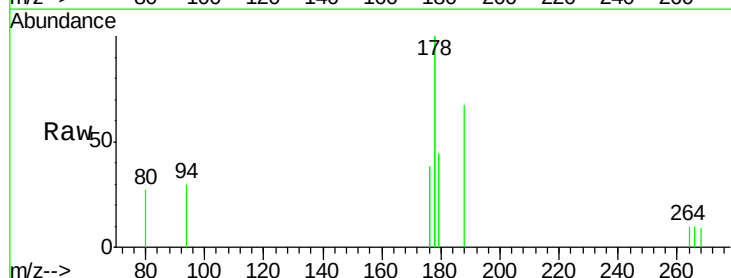


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

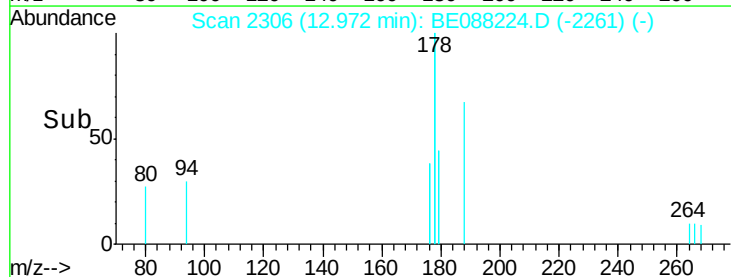
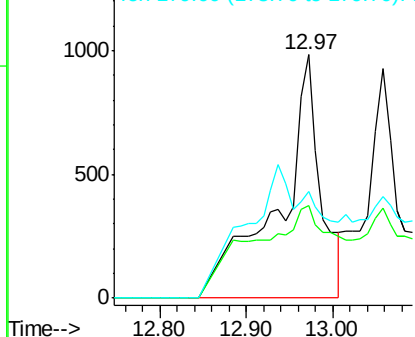


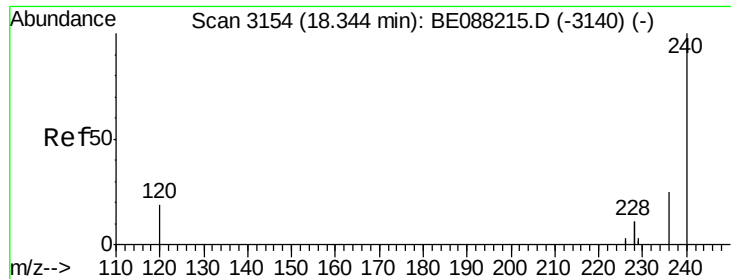
#13
Phenanthrene
Concen: 0.03 ng
RT: 12.97 min Scan# 2306
Delta R.T. -0.00 min
Lab File: BE088224.D
Acq: 24 Oct 2014 21:44

Tgt Ion:178 Resp: 3837
Ion Ratio Lower Upper
178 100
176 19.6 14.0 21.0
179 0.0 11.8 17.6#



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





#16

Chrysene-d12

Concen: 5.00 ng

RT: 18.34 min Scan# 3154

Delta R.T. 0.00 min

Lab File: BE088224.D

Acq: 24 Oct 2014 21:44

Instrument :

BNA_E

ClientSampleId :

YS19-SW16-1014

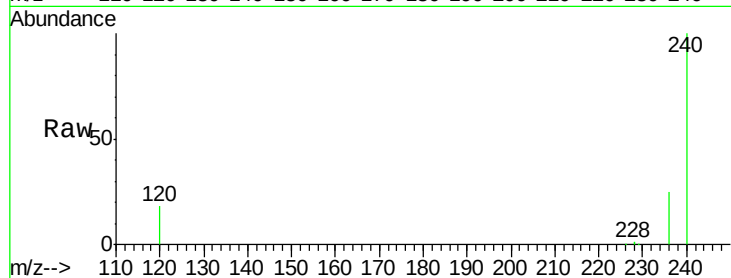
Tgt Ion:240 Resp: 74438

Ion Ratio Lower Upper

240 100

120 17.6 15.1 22.7

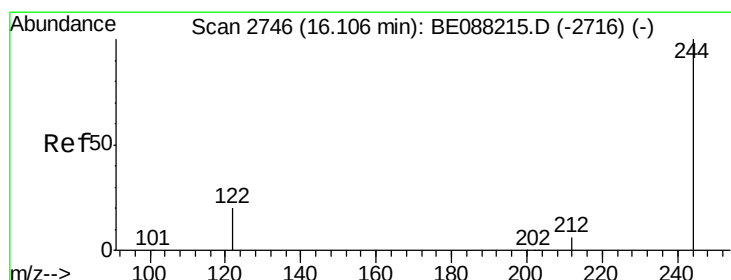
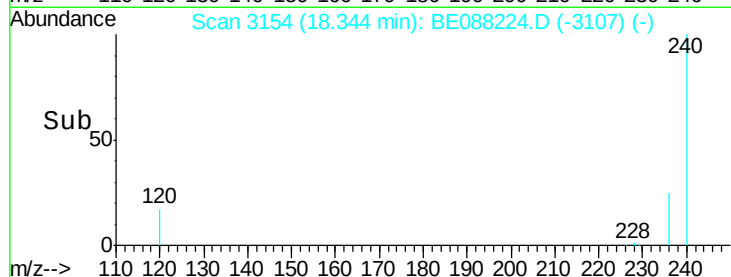
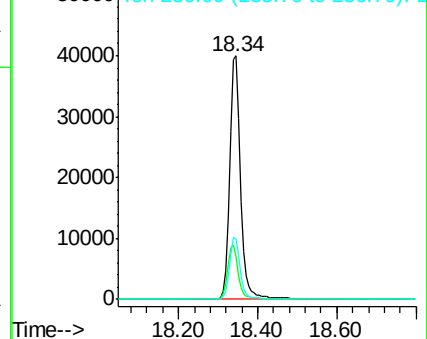
236 24.9 20.1 30.1



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: 6.72 ng

RT: 16.11 min Scan# 2746

Delta R.T. 0.00 min

Lab File: BE088224.D

Acq: 24 Oct 2014 21:44

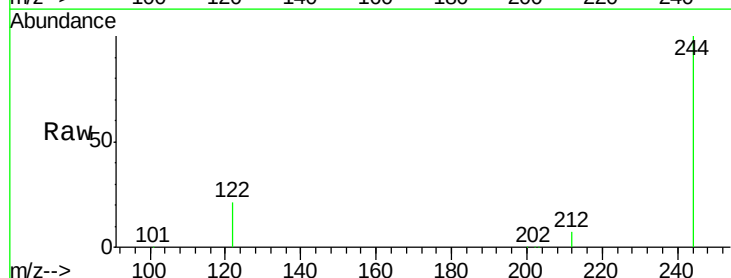
Tgt Ion:244 Resp: 81926

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

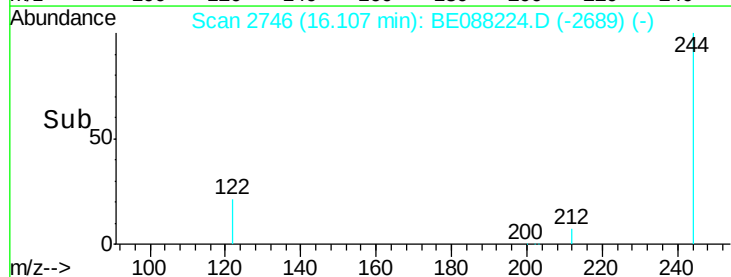
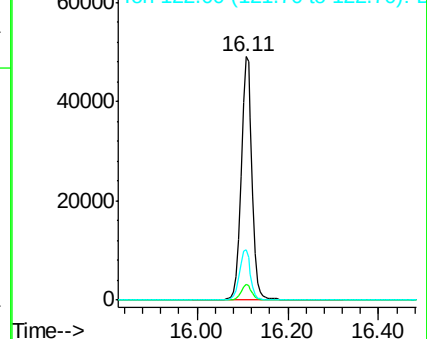
122 20.9 16.7 25.1

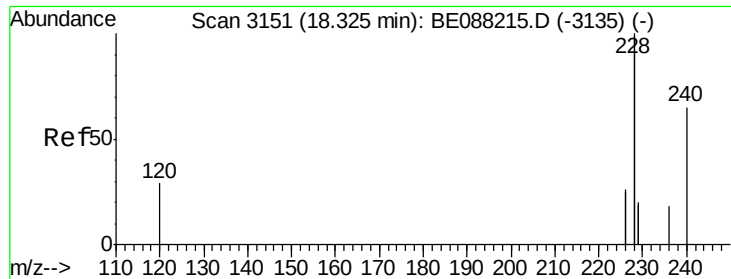


Abundance Ion 244.00 (243.70 to 244.70): E

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: 18.33 min Scan# 3152

Delta R.T. 0.01 min

Lab File: BE088224.D

Acq: 24 Oct 2014 21:44

Instrument :

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ClientSampleId :

YS19-SW16-1014

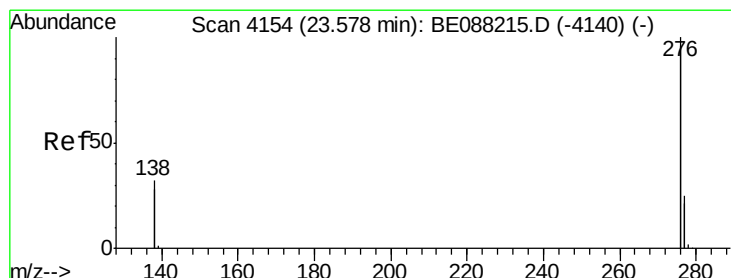
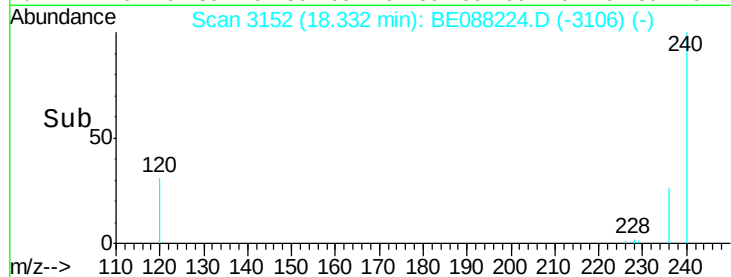
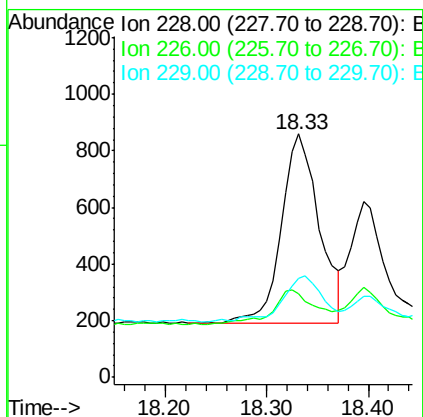
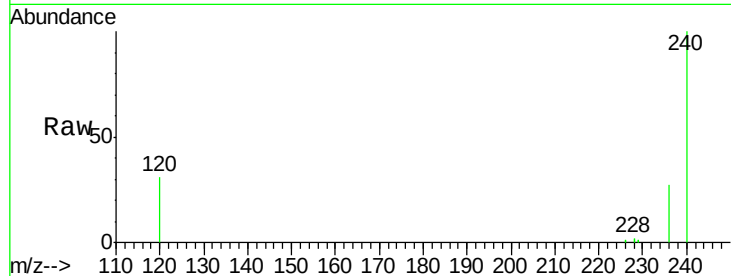
Tgt Ion:228 Resp: 1732

Ion Ratio Lower Upper

228 100

226 34.4 20.5 30.7#

229 40.5 16.1 24.1#



#21

Indeno(1,2,3-cd)pyrene

Concen: 0.25 ng

RT: 23.57 min Scan# 4153

Delta R.T. -0.01 min

Lab File: BE088224.D

Acq: 24 Oct 2014 21:44

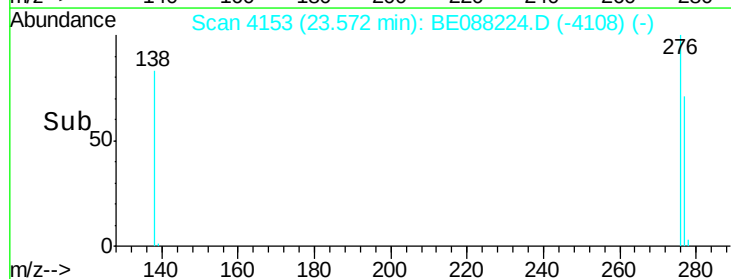
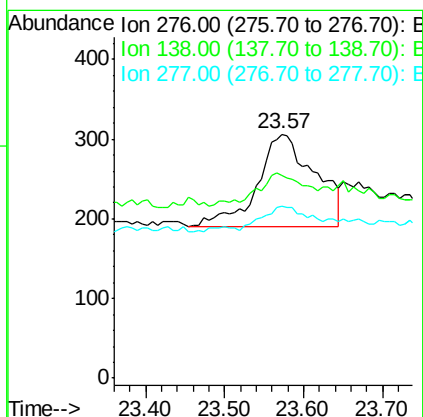
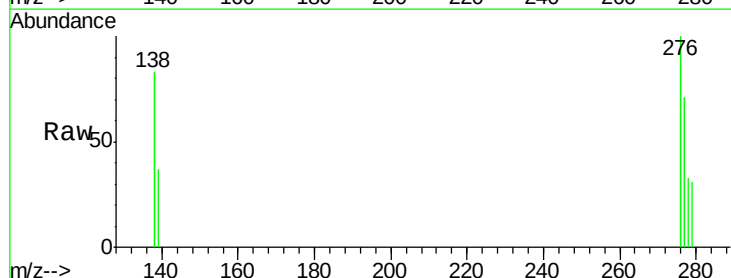
Tgt Ion:276 Resp: 592

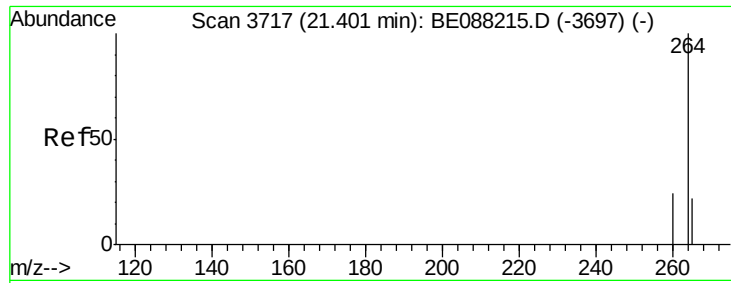
Ion Ratio Lower Upper

276 100

138 23.0 13.9 20.9#

277 19.4 10.7 16.1#

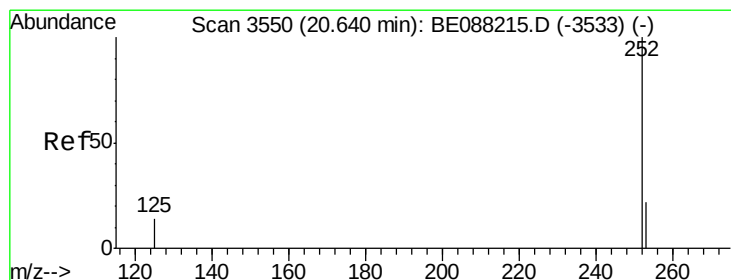
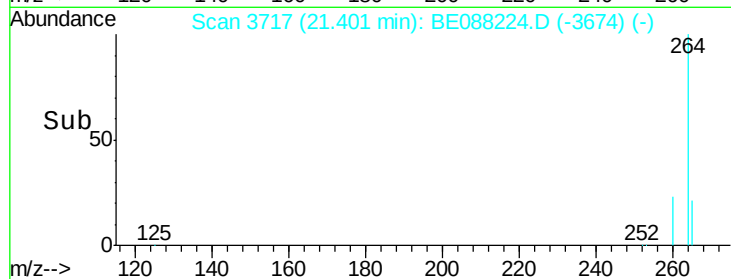
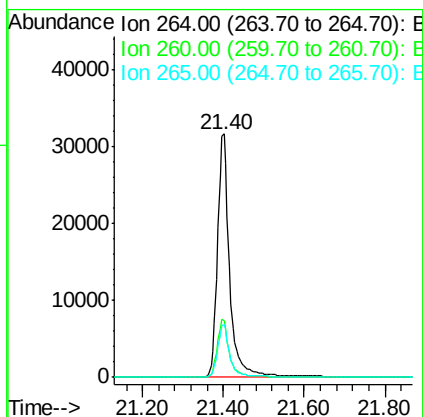
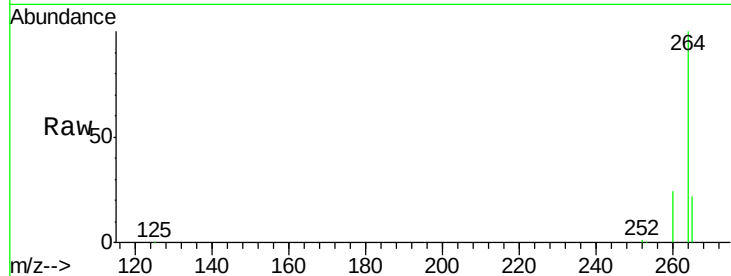




#22
Perylene-d12
 Concen: 5.00 ng
 RT: 21.40 min Scan# 3717
 Delta R.T. 0.00 min
 Lab File: BE088224.D
 Acq: 24 Oct 2014 21:44

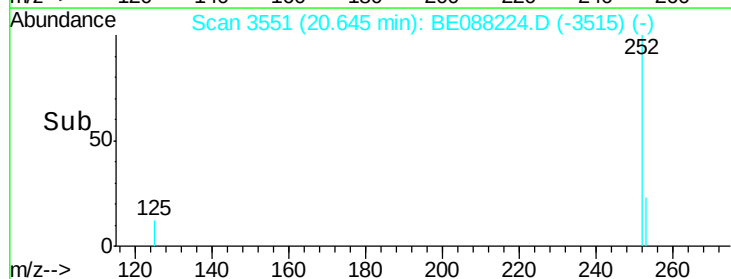
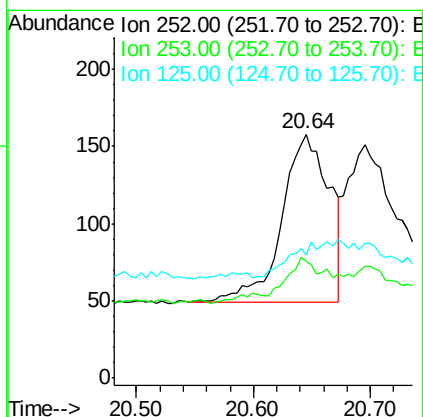
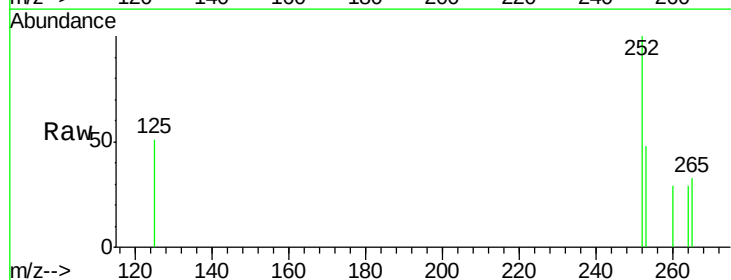
Instrument :
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 YS19-SW16-1014

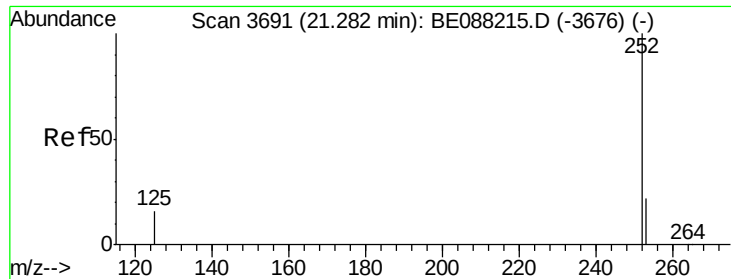
Tgt Ion: 264 Resp: 66443
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.0 28.4
 265 21.6 17.4 26.2



#23
Benzo(b)fluoranthene
 Concen: 0.18 ng
 RT: 20.64 min Scan# 3551
 Delta R.T. 0.00 min
 Lab File: BE088224.D
 Acq: 24 Oct 2014 21:44

Tgt Ion: 252 Resp: 308
 Ion Ratio Lower Upper
 252 100
 253 48.1 17.9 26.9#
 125 50.6 12.2 18.2#





#25

Benzo(a)pyrene

Concen: 0.18 ng

RT: 21.27 min Scan# 3689

Delta R.T. -0.01 min

Lab File: BE088224.D

Acq: 24 Oct 2014 21:44

Instrument :

BNA_E

ClientSampleId :

YS19-SW16-1014

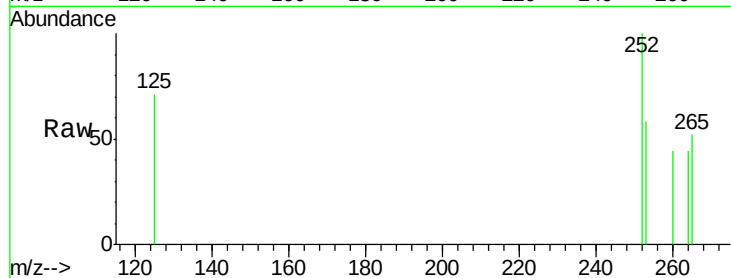
Tgt Ion:252 Resp: 110

Ion Ratio Lower Upper

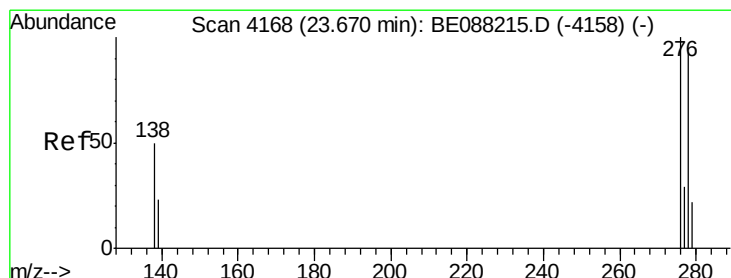
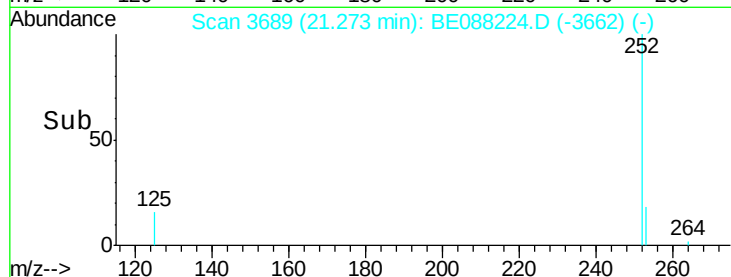
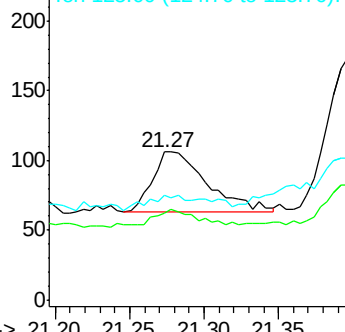
252 100

253 58.5 17.8 26.8#

125 70.8 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# 4166

Delta R.T. -0.01 min

Lab File: BE088224.D

Acq: 24 Oct 2014 21:44

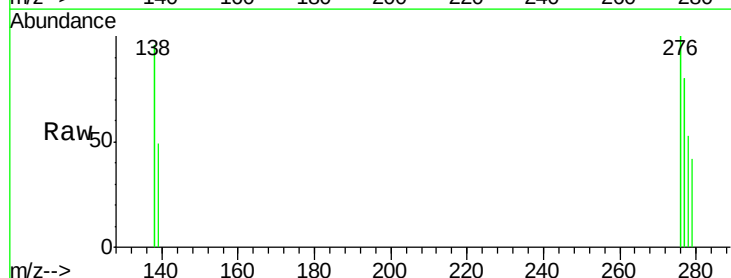
Tgt Ion:278 Resp: 56

Ion Ratio Lower Upper

278 100

139 92.3 22.1 33.1#

279 78.5 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

