

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088441.D
 Acq On : 1 Nov 2014 2:30
 Operator : TP/JJ
 Sample : F4379-14
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB37-1014

Quant Time: Nov 01 03:16:38 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE103114.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 01 00:42:07 2014
 Response via : Initial Calibration

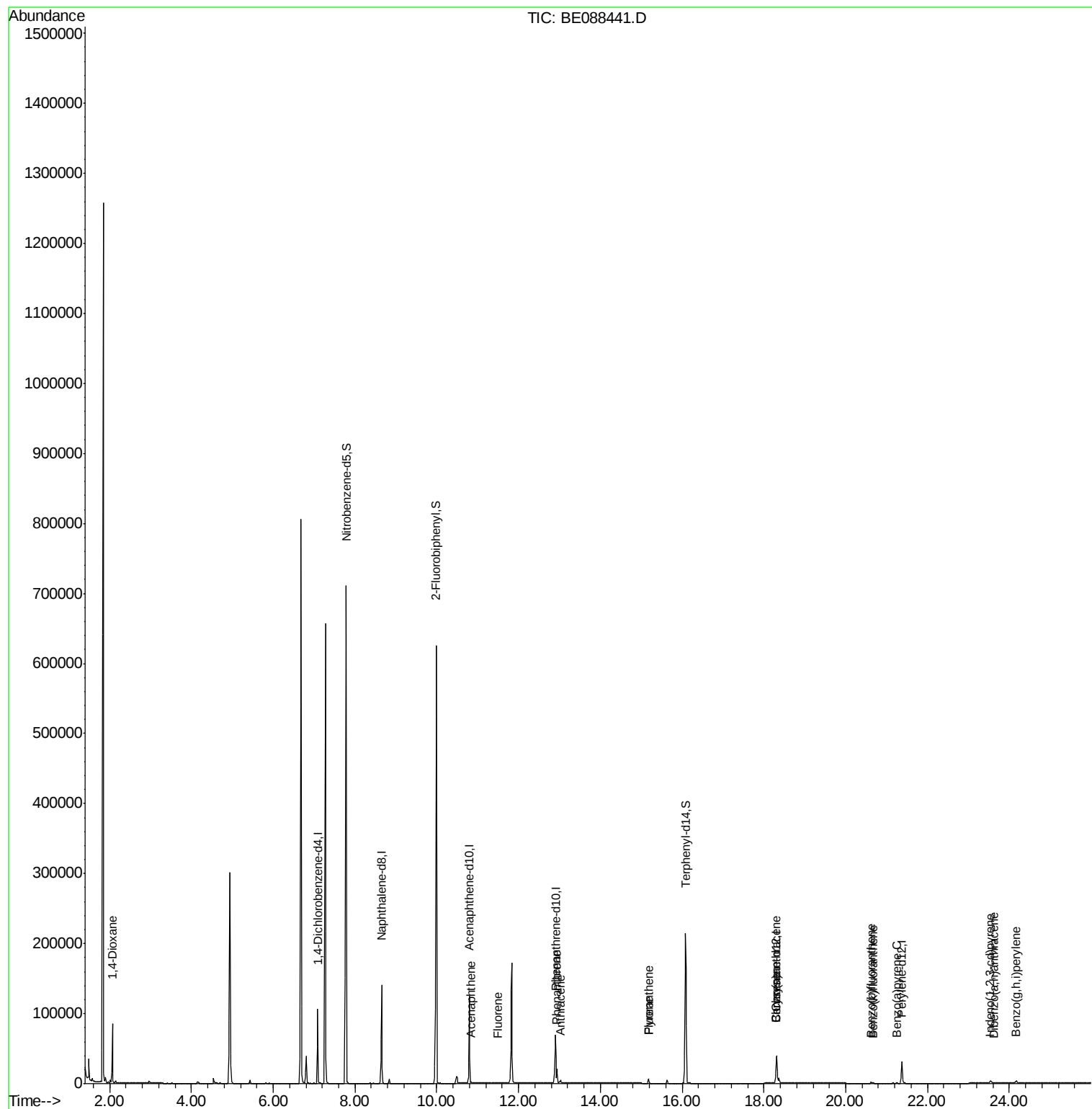
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	34827	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	126193	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	54036	5.00	ng	0.00
12) Phenanthrene-d10	12.90	188	93257	5.00	ng	0.00
16) Chrysene-d12	18.31	240	45967	5.00	ng	0.00
22) Perylene-d12	21.37	264	42240	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.78	82	503939	54.45	ng	0.01
8) 2-Fluorobiphenyl	9.99	172	601077	39.47	ng	0.00
18) Terphenyl-d14	16.09	244	333940	39.54	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.06	88	2796	0.61	ng	# 1
10) Acenaphthene	10.84	154	274	0.02	ng	# 69
11) Fluorene	11.50	166	430	0.03	ng	99
13) Phenanthrene	12.94	178	25809	0.30	ng	# 88
14) Anthracene	13.02	178	4642	0.07	ng	# 81
15) Fluoranthene	15.18	202	5871	0.43	ng	100
17) Pyrene	15.18	202	5863	0.39	ng	100
19) Benzo(a)anthracene	18.29	228	10049	0.23	ng	94
20) Chrysene	18.29	228	10259	0.24	ng	96
21) Indeno(1,2,3-cd)pyrene	23.55	276	5357	0.14	ng	# 85
23) Benzo(b)fluoranthene	20.61	252	3068	0.33	ng	# 89
24) Benzo(k)fluoranthene	20.67	252	1295	0.13	ng	# 80
25) Benzo(a)pyrene	21.25	252	2027	0.23	ng	# 88
26) Dibenzo(a,h)anthracene	23.63	278	358	0.04	ng	# 32
27) Benzo(g,h,i)perylene	24.16	276	5662	0.15	ng	# 84

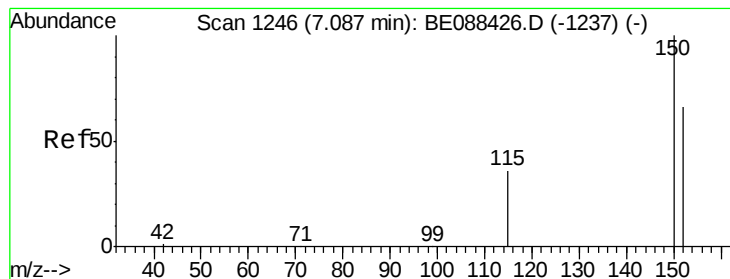
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

Instrument :

BNA_E

ClientSampleId :

YS19-SB37-1014

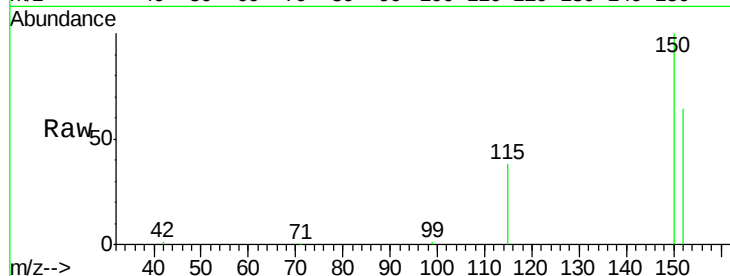
Tgt Ion:152 Resp: 34827

Ion Ratio Lower Upper

152 100

150 155.1 121.8 182.8

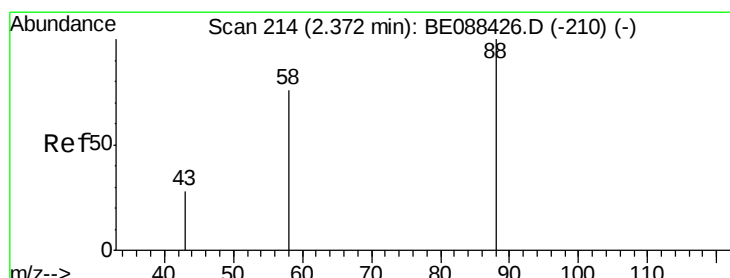
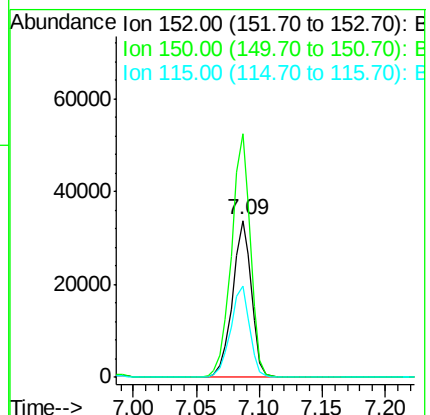
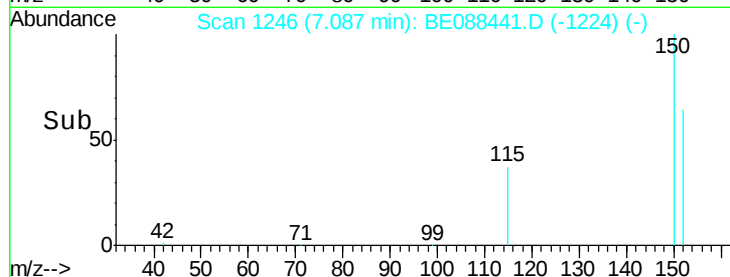
115 58.2 43.9 65.9



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: 0.61 ng

RT: 2.06 min Scan# 147

Delta R.T. -0.31 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

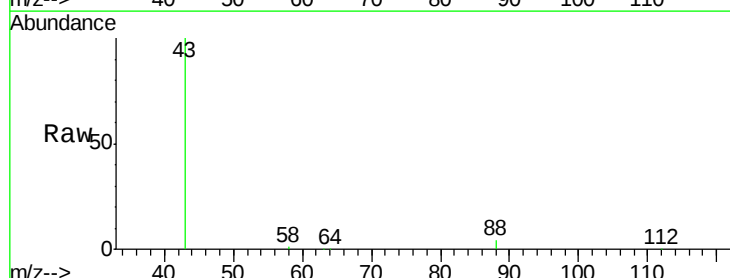
Tgt Ion: 88 Resp: 2796

Ion Ratio Lower Upper

88 100

58 24.2 59.1 88.7#

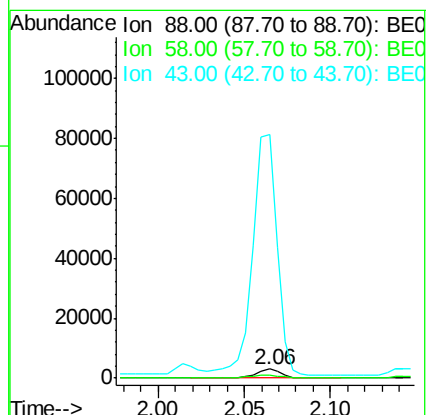
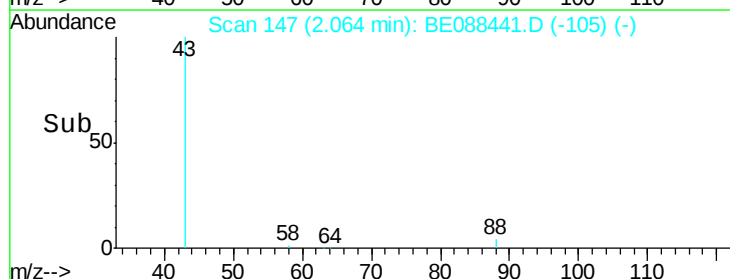
43 2804.9 21.9 32.9#

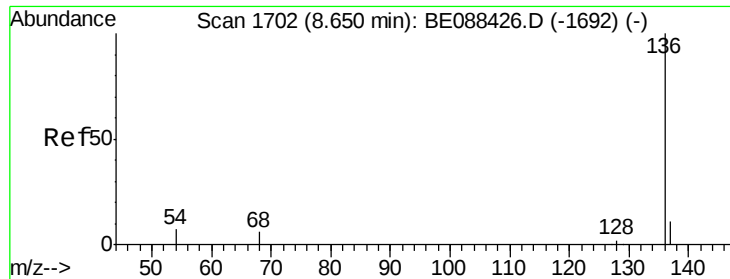


Abundance Ion 88.00 (87.70 to 88.70): BE0

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: 8.65 min Scan# 1702

Delta R.T. -0.00 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

Instrument :

BNA_E

ClientSampleId :

YS19-SB37-1014

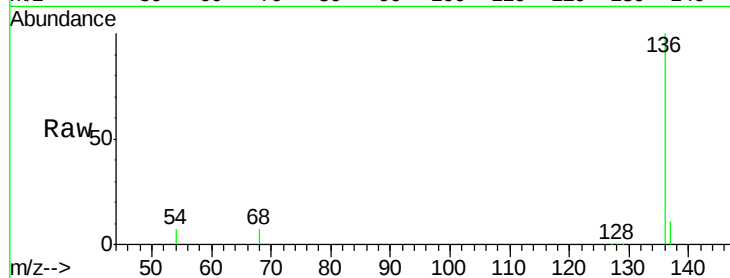
Tgt Ion: 136 Resp: 126193

Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

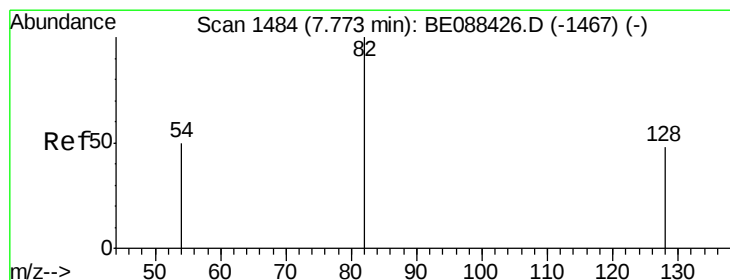
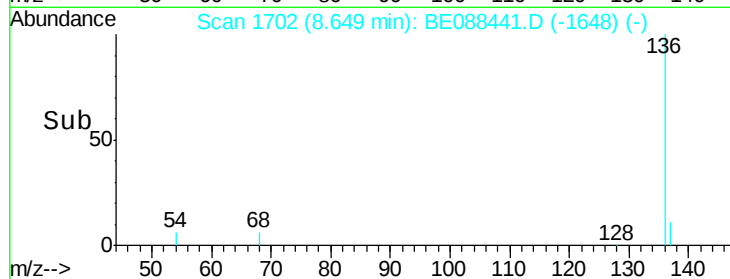
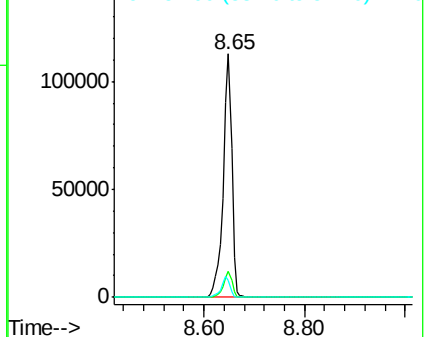
54 6.8 5.3 7.9



Abundance Ion 136.00 (135.70 to 136.70): BE088441.D (-1648) (-)

Ion 137.00 (136.70 to 137.70): BE088441.D (-1648) (-)

Ion 54.00 (53.70 to 54.70): BE088441.D (-1648) (-)



#4

Nitrobenzene-d5

Concen: 54.45 ng

RT: 7.78 min Scan# 1489

Delta R.T. 0.01 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

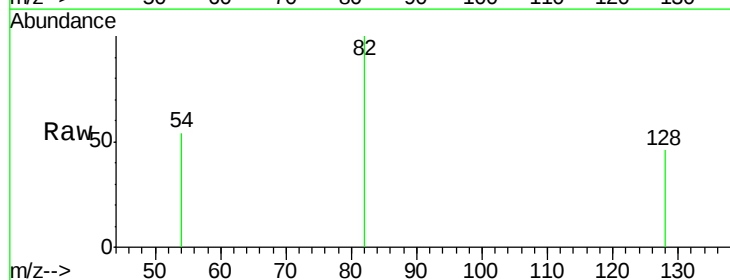
Tgt Ion: 82 Resp: 503939

Ion Ratio Lower Upper

82 100

128 46.1 38.4 57.6

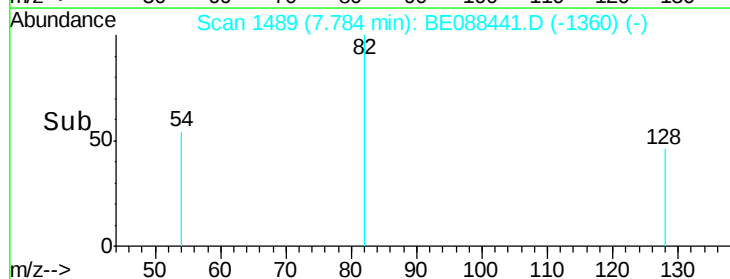
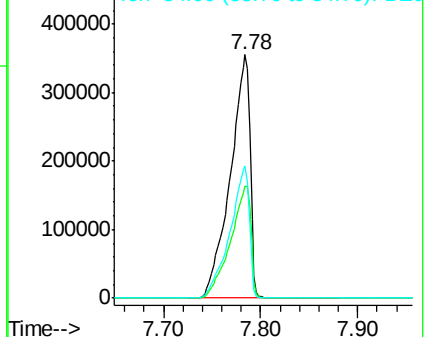
54 54.1 40.2 60.2

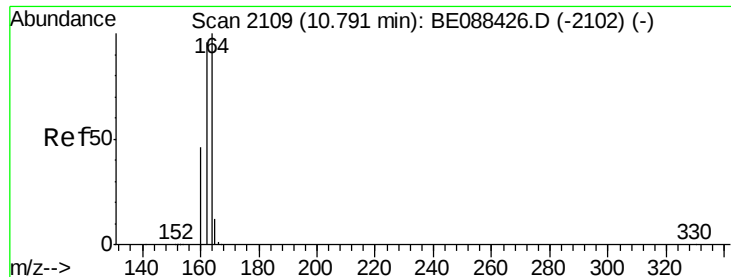


Abundance Ion 82.00 (81.70 to 82.70): BE088441.D (-1360) (-)

Ion 128.00 (127.70 to 128.70): BE088441.D (-1360) (-)

Ion 54.00 (53.70 to 54.70): BE088441.D (-1360) (-)





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.79 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

Instrument :

BNA_E

ClientSampleId :

YS19-SB37-1014

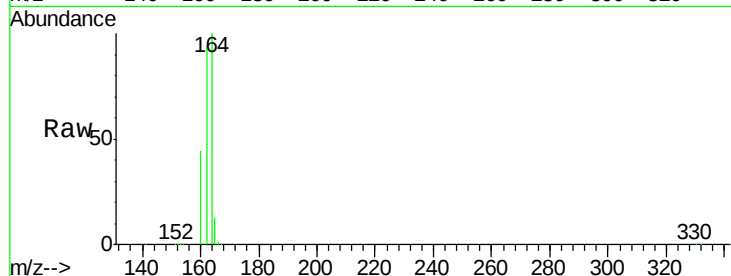
Tgt Ion:164 Resp: 54036

Ion Ratio Lower Upper

164 100

162 93.8 77.0 115.4

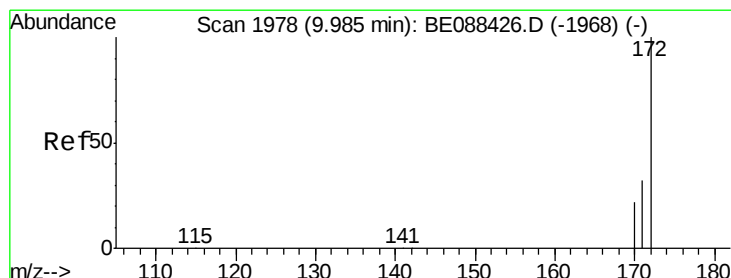
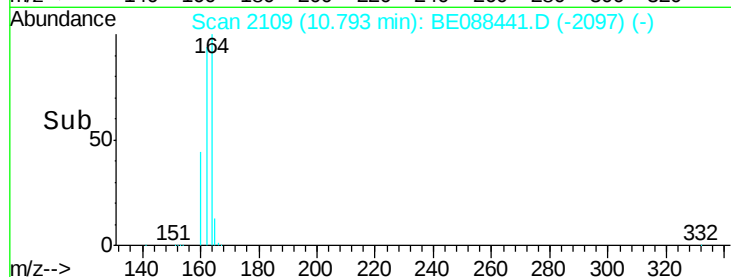
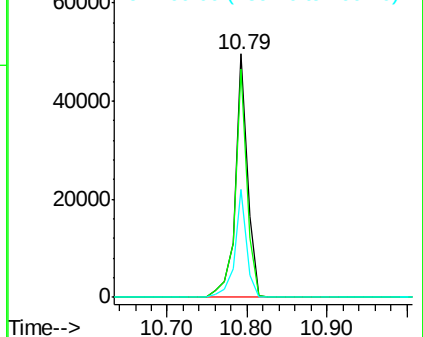
160 44.2 36.8 55.2



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: 39.47 ng

RT: 9.99 min Scan# 1980

Delta R.T. 0.01 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

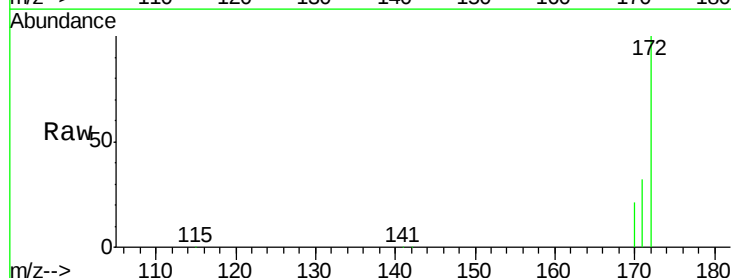
Tgt Ion:172 Resp: 601077

Ion Ratio Lower Upper

172 100

171 32.3 26.0 39.0

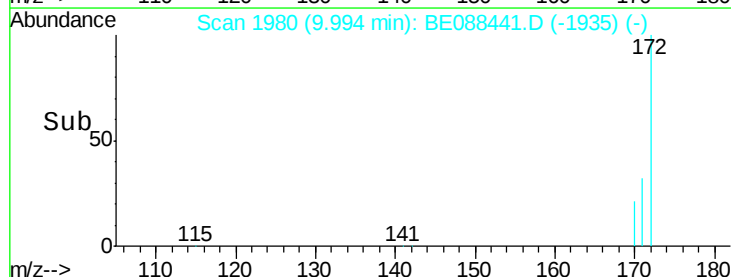
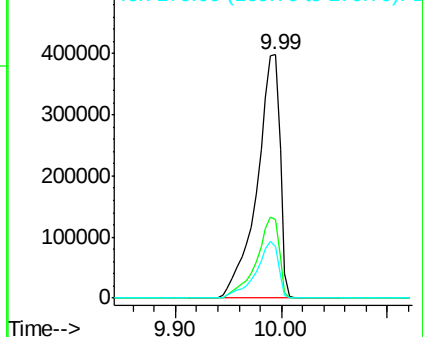
170 21.4 17.6 26.4

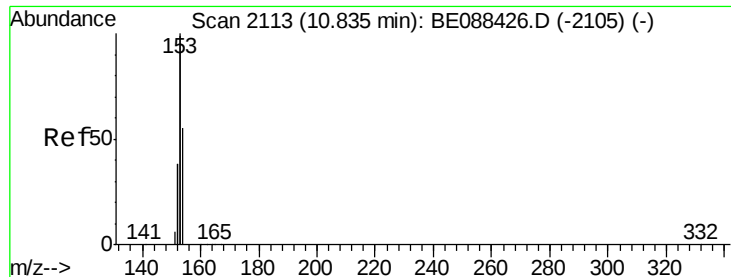


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#10

Acenaphthene

Concen: 0.02 ng

RT: 10.84 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

Instrument :

BNA_E

ClientSampleId :

YS19-SB37-1014

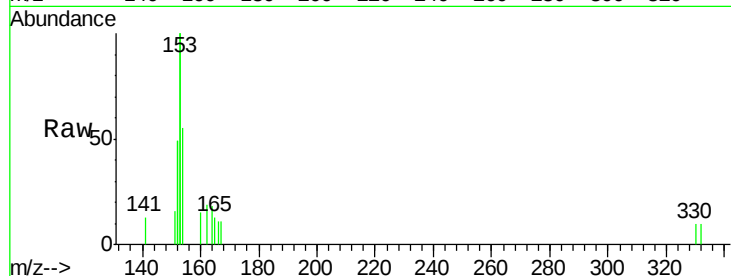
Tgt Ion:154 Resp: 274

Ion Ratio Lower Upper

154 100

153 470.4 324.3 486.5

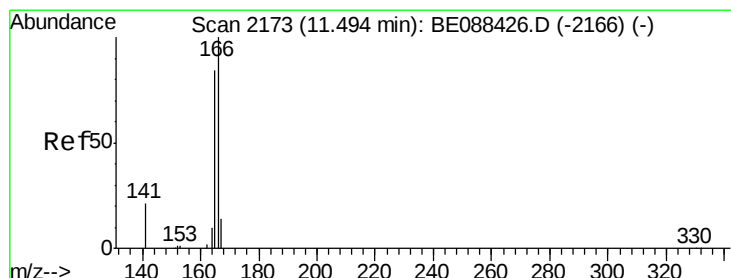
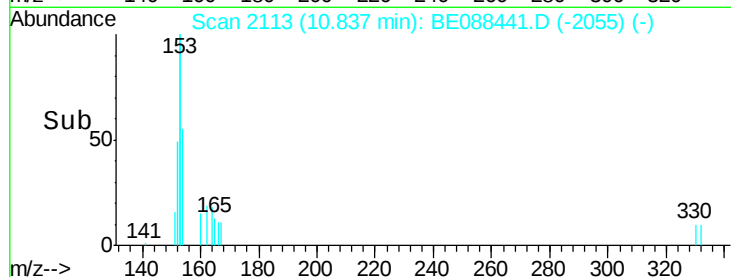
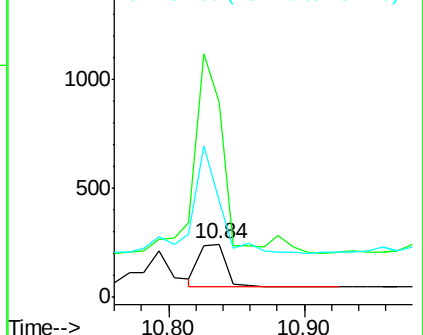
152 251.1 154.9 232.3#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#11

Fluorene

Concen: 0.03 ng

RT: 11.50 min Scan# 2173

Delta R.T. 0.00 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

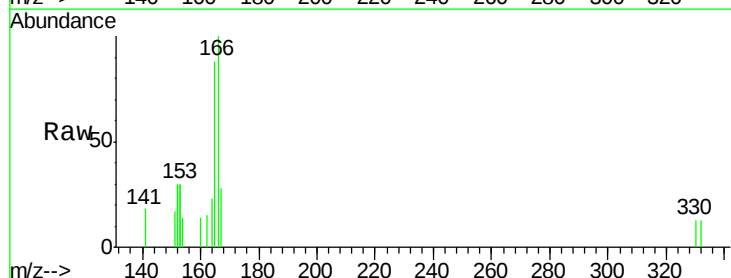
Tgt Ion:166 Resp: 430

Ion Ratio Lower Upper

166 100

165 89.1 71.3 106.9

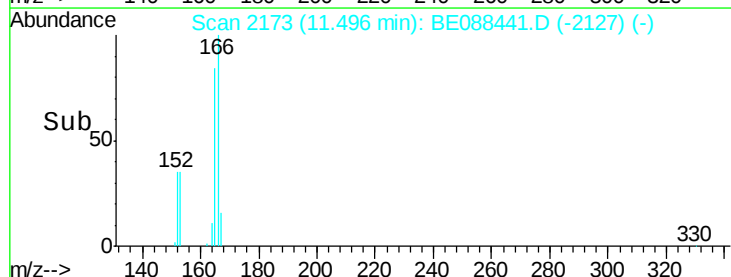
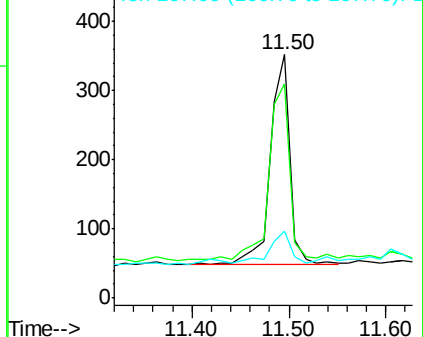
167 16.0 10.7 16.1

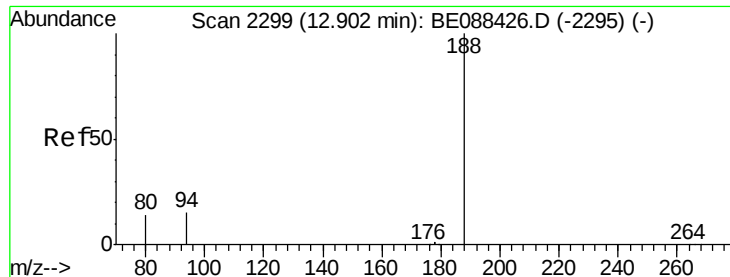


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.90 min Scan# 2299

Delta R.T. 0.00 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

Instrument :

BNA_E

ClientSampleId :

YS19-SB37-1014

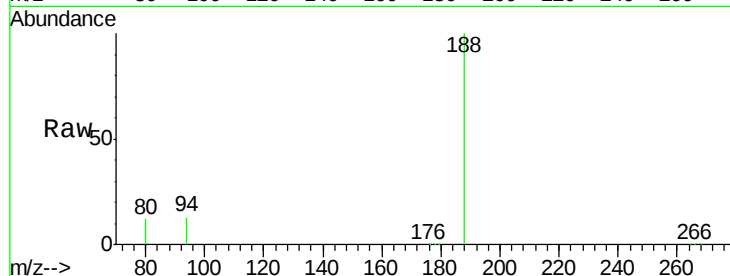
Tgt Ion:188 Resp: 93257

Ion Ratio Lower Upper

188 100

94 13.1 11.8 17.8

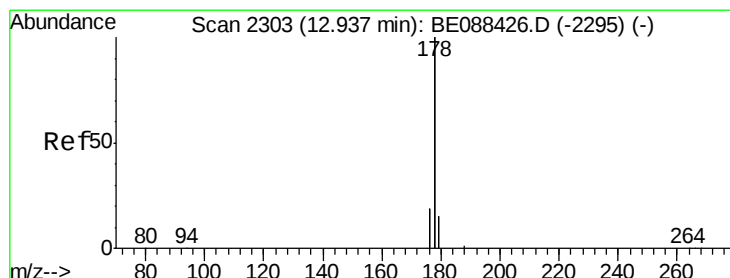
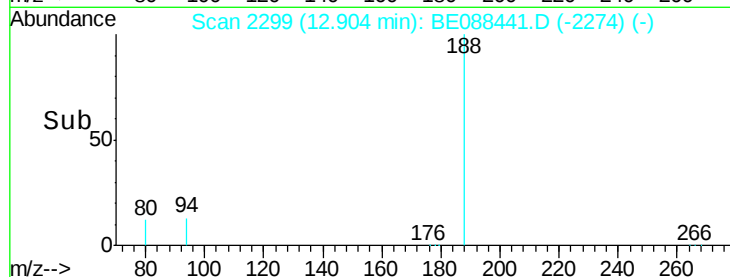
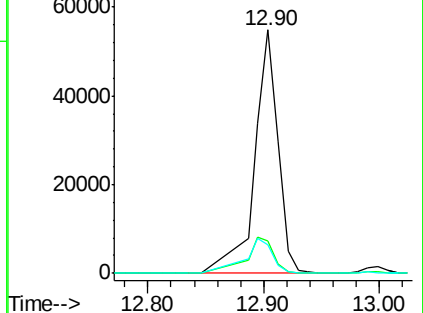
80 11.7 10.9 16.3



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: 0.30 ng

RT: 12.94 min Scan# 2303

Delta R.T. 0.00 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

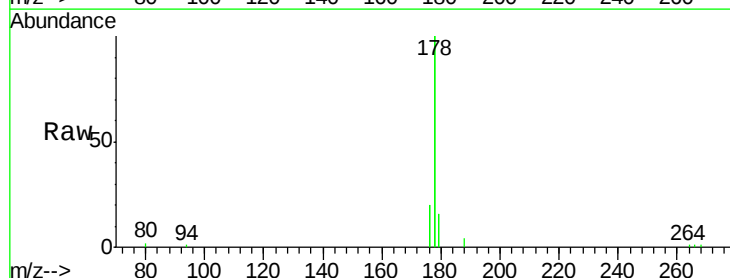
Tgt Ion:178 Resp: 25809

Ion Ratio Lower Upper

178 100

176 23.5 15.4 23.2#

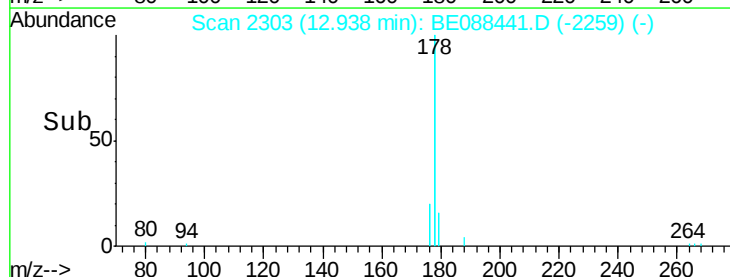
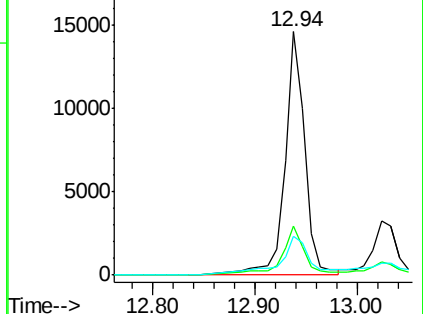
179 22.9 12.8 19.2#

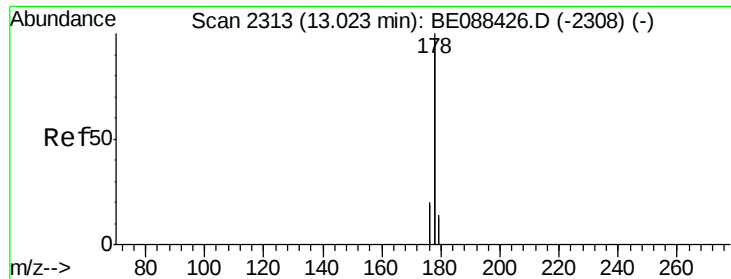


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#14

Anthracene

Concen: 0.07 ng

RT: 13.02 min Scan# 2313

Delta R.T. 0.00 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

Instrument :

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ClientSampleId :

YS19-SB37-1014

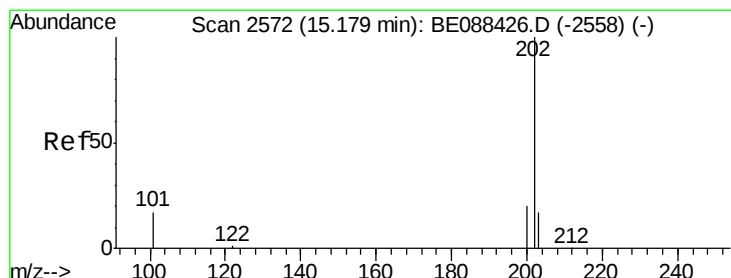
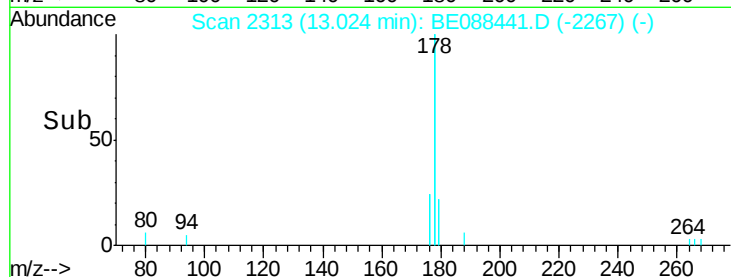
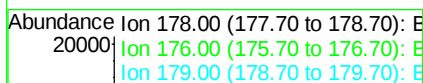
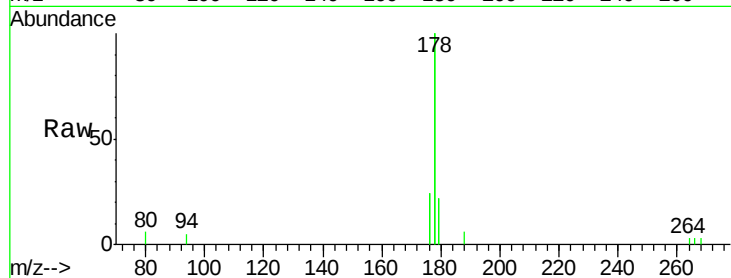
Tgt Ion:178 Resp: 4642

Ion Ratio Lower Upper

178 100

176 23.1 15.0 22.4#

179 28.2 12.5 18.7#



#15

Fluoranthene

Concen: 0.43 ng

RT: 15.18 min Scan# 2572

Delta R.T. -0.00 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

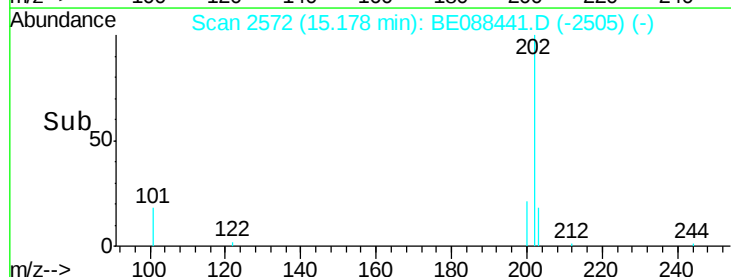
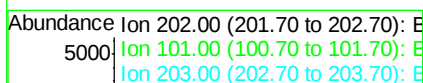
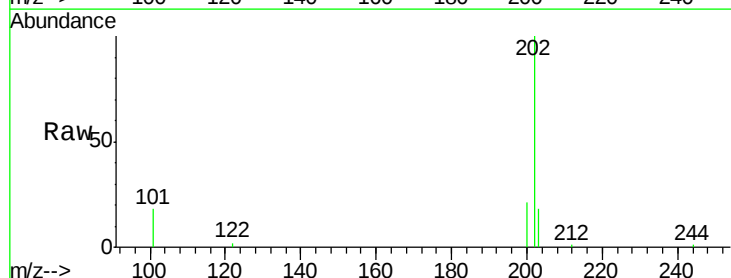
Tgt Ion:202 Resp: 5871

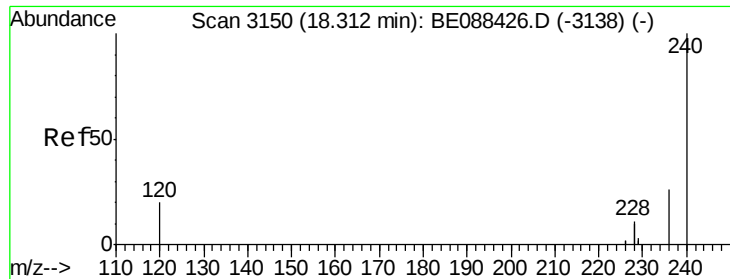
Ion Ratio Lower Upper

202 100

101 17.9 14.3 21.5

203 17.3 13.6 20.4





#16

Chrysene-d12

Concen: 5.00 ng

RT: 18.31 min Scan# 3150

Delta R.T. 0.00 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

Instrument :

BNA_E

ClientSampleId :

YS19-SB37-1014

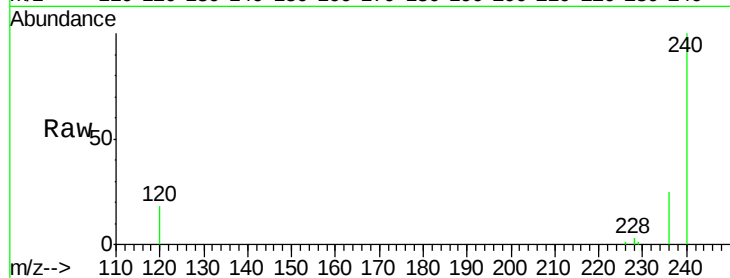
Tgt Ion:240 Resp: 45967

Ion Ratio Lower Upper

240 100

120 18.1 16.4 24.6

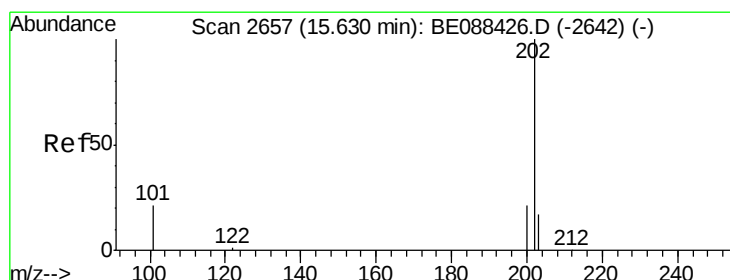
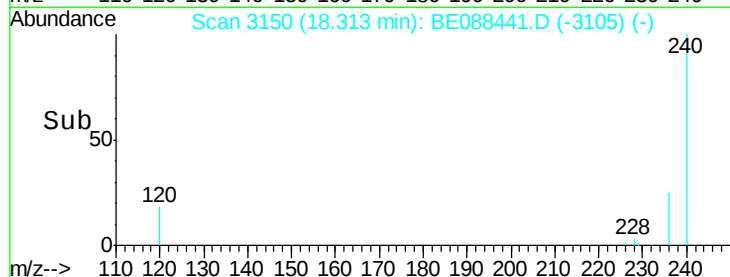
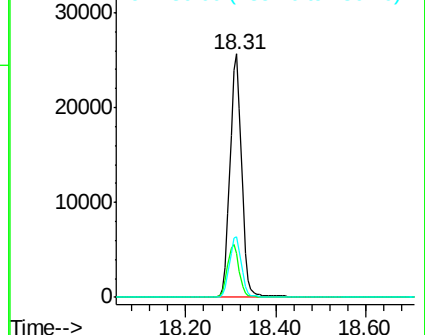
236 25.1 20.5 30.7



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



#17

Pyrene

Concen: 0.39 ng

RT: 15.18 min Scan# 2572

Delta R.T. -0.45 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

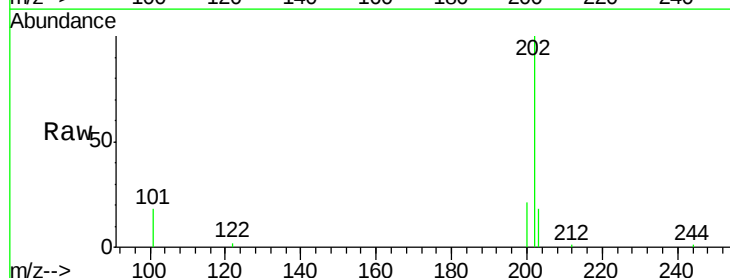
Tgt Ion:202 Resp: 5863

Ion Ratio Lower Upper

202 100

200 20.3 16.1 24.1

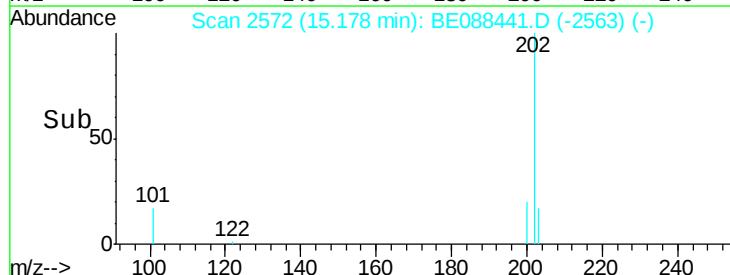
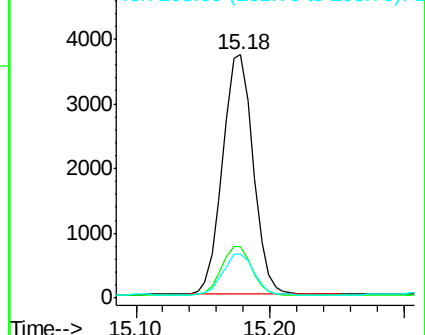
203 17.3 13.8 20.8

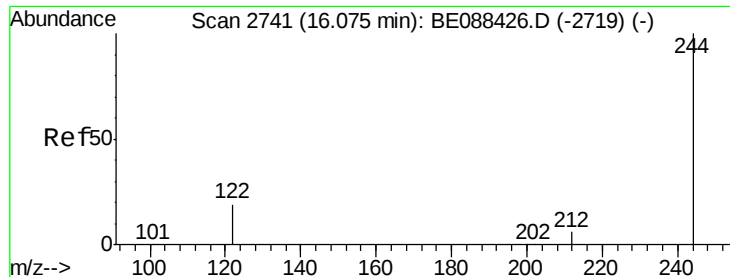


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Terphenyl-d14

Concen: 39.54 ng

RT: 16.09 min Scan# 2744

Delta R.T. 0.01 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

Instrument :

BNA_E

ClientSampleId :

YS19-SB37-1014

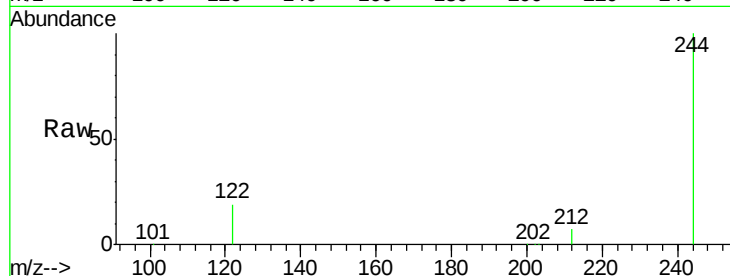
Tgt Ion:244 Resp: 333940

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

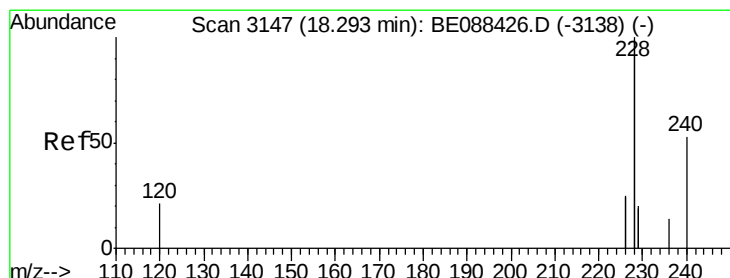
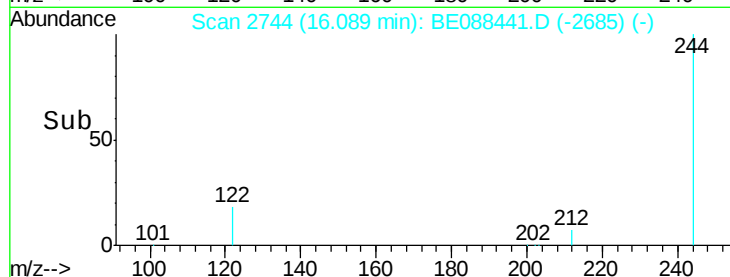
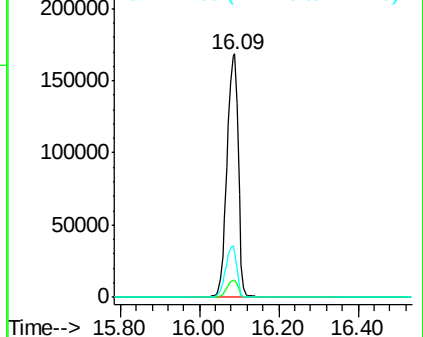
122 18.5 15.6 23.4



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: 0.23 ng

RT: 18.29 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

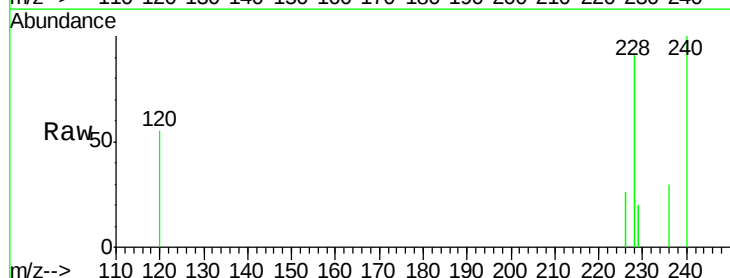
Tgt Ion:228 Resp: 10049

Ion Ratio Lower Upper

228 100

226 28.3 19.8 29.6

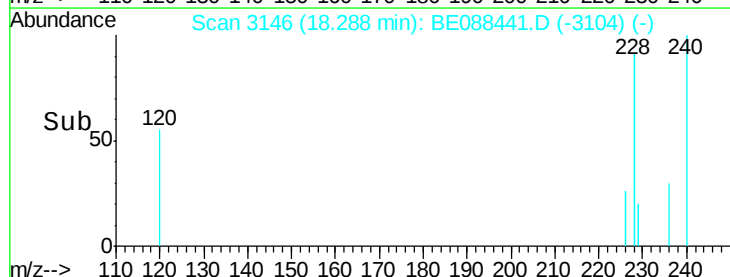
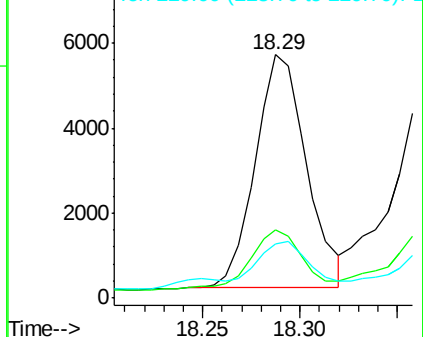
229 22.1 16.0 24.0

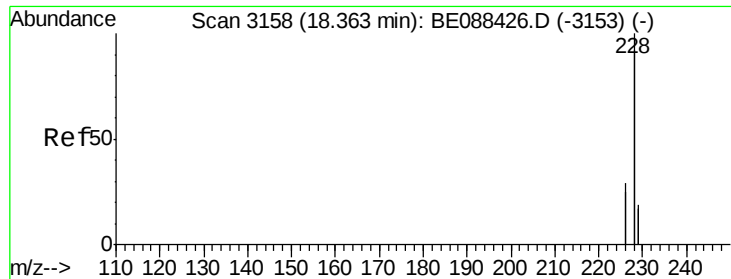


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#20

Chrysene

Concen: 0.24 ng

RT: 18.29 min Scan# 3146

Delta R.T. -0.08 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

Instrument :

BNA_E

ClientSampleId :

YS19-SB37-1014

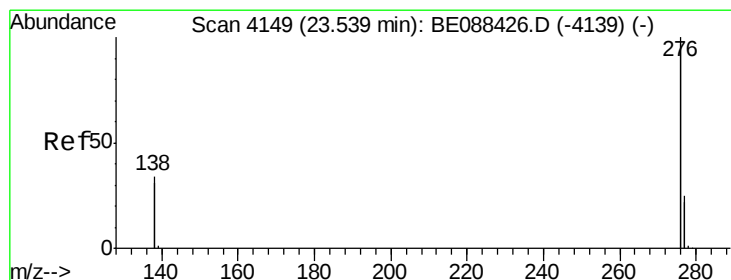
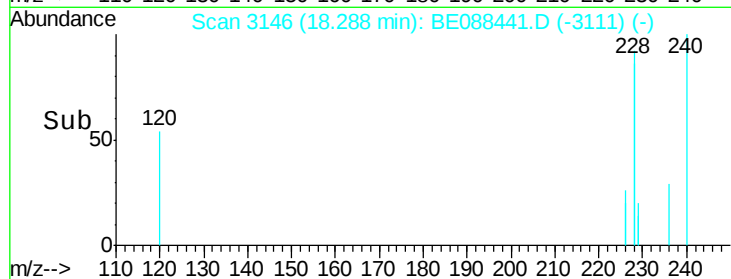
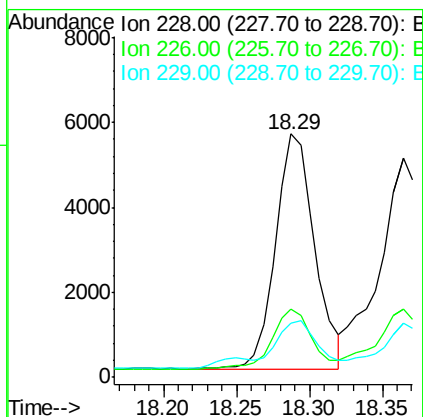
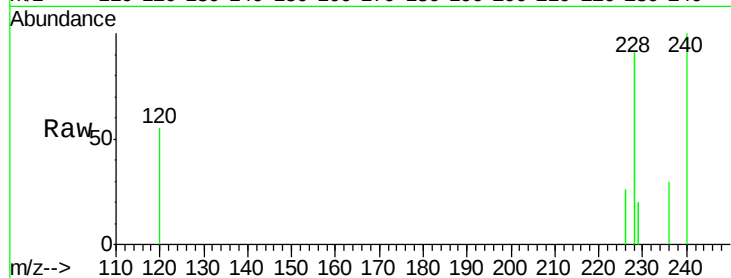
Tgt Ion:228 Resp: 10259

Ion Ratio Lower Upper

228 100

226 28.3 23.6 35.4

229 22.1 15.4 23.2



#21

Indeno(1,2,3-cd)pyrene

Concen: 0.14 ng

RT: 23.55 min Scan# 4150

Delta R.T. 0.01 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

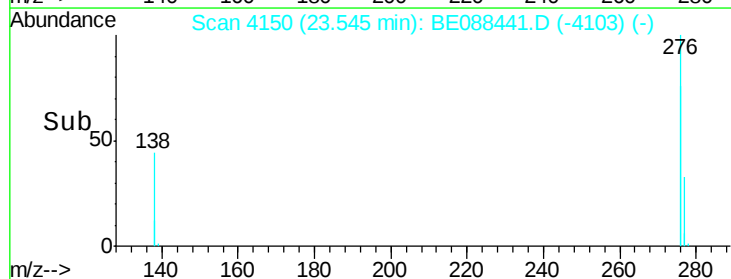
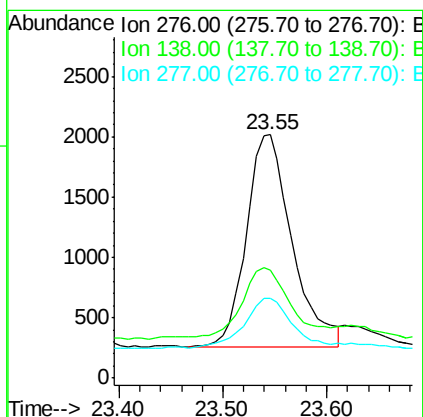
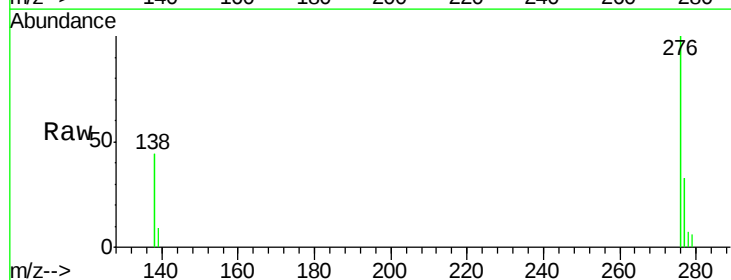
Tgt Ion:276 Resp: 5357

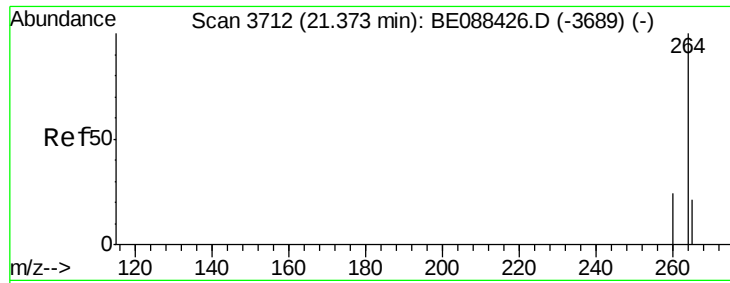
Ion Ratio Lower Upper

276 100

138 34.0 20.2 30.2#

277 23.7 14.8 22.2#

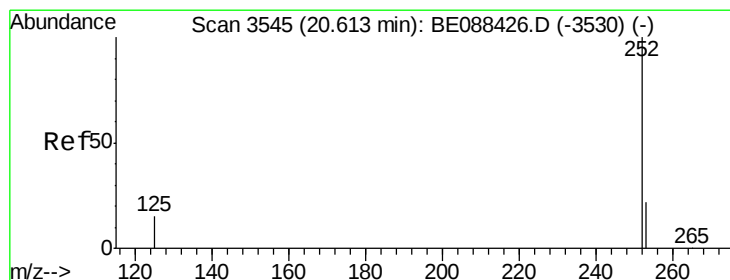
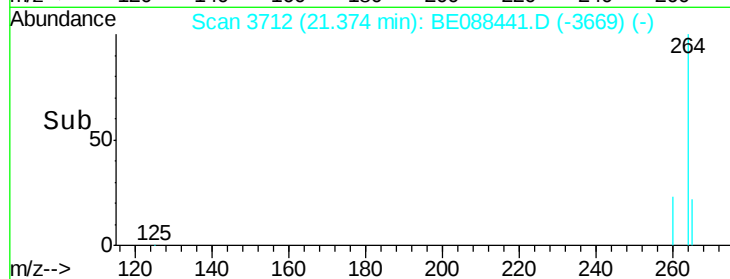
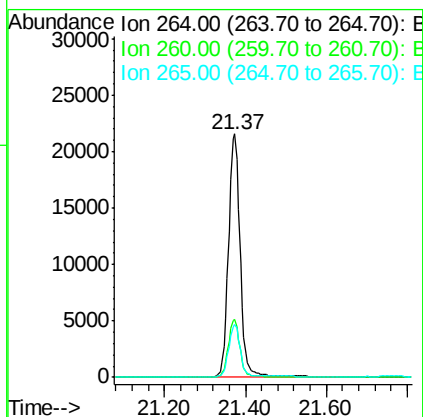
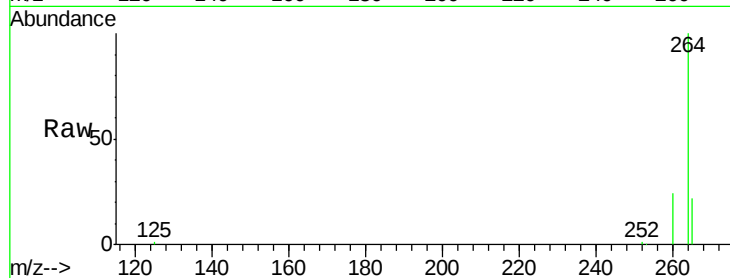




#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.37 min Scan# 3712
 Delta R.T. 0.00 min
 Lab File: BE088441.D
 Acq: 1 Nov 2014 2:30

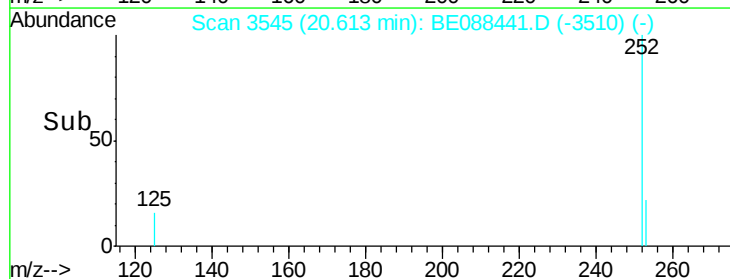
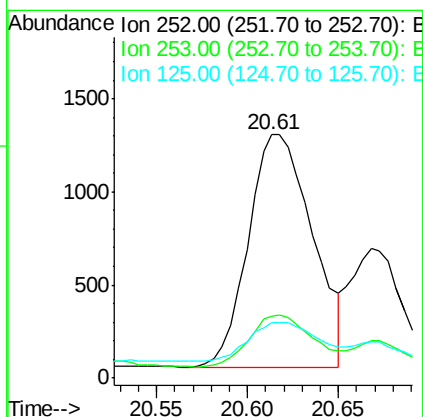
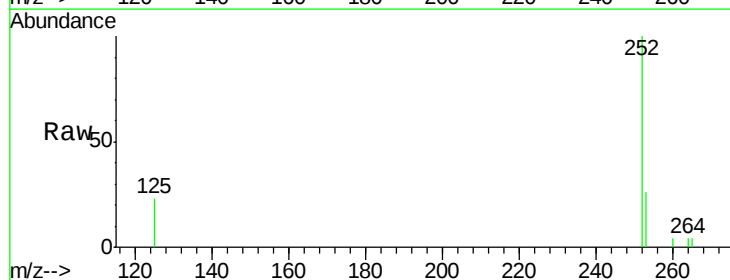
Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB37-1014

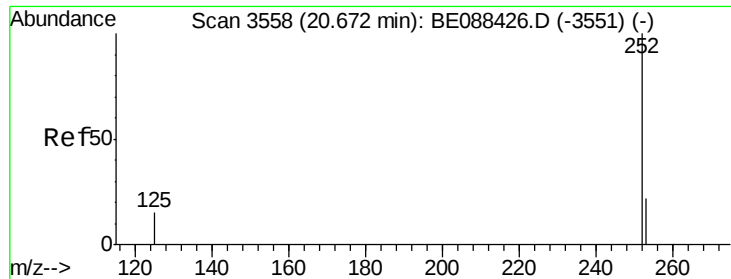
Tgt Ion: 264 Resp: 42240
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.9 28.3
 265 21.8 17.2 25.8



#23
 Benzo(b)fluoranthene
 Concen: 0.33 ng
 RT: 20.61 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: BE088441.D
 Acq: 1 Nov 2014 2:30

Tgt Ion: 252 Resp: 3068
 Ion Ratio Lower Upper
 252 100
 253 25.6 17.8 26.8
 125 22.7 12.3 18.5#





#24

Benzo(k)fluoranthene

Concen: 0.13 ng

RT: 20.67 min Scan# 3557

Delta R.T. -0.00 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

Instrument :

BNA_E

ClientSampleId :

YS19-SB37-1014

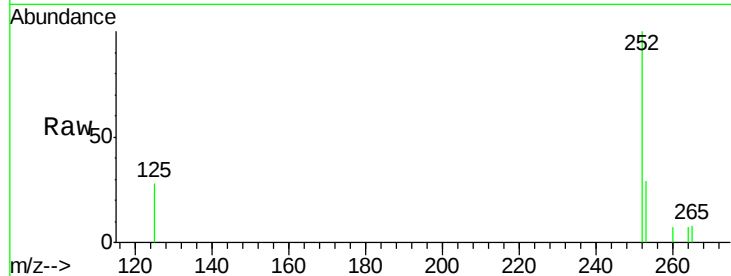
Tgt Ion:252 Resp: 1295

Ion Ratio Lower Upper

252 100

253 28.7 17.8 26.8#

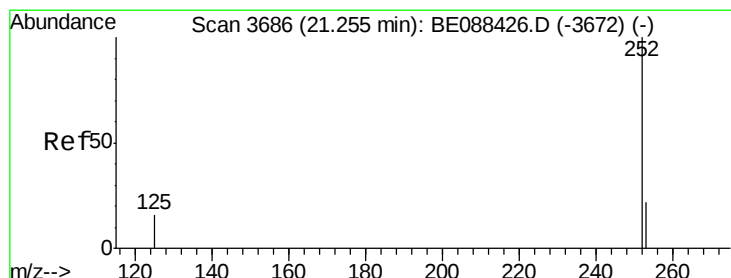
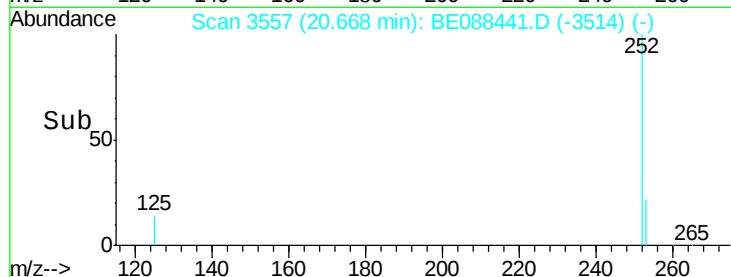
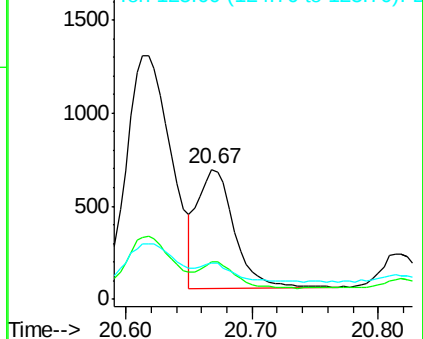
125 27.8 12.2 18.4#



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



#25

Benzo(a)pyrene

Concen: 0.23 ng

RT: 21.25 min Scan# 3685

Delta R.T. -0.00 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

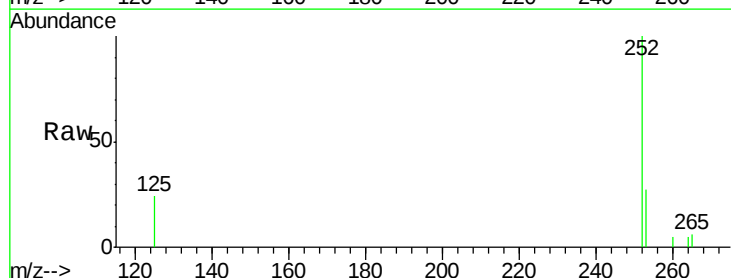
Tgt Ion:252 Resp: 2027

Ion Ratio Lower Upper

252 100

253 27.0 18.2 27.4

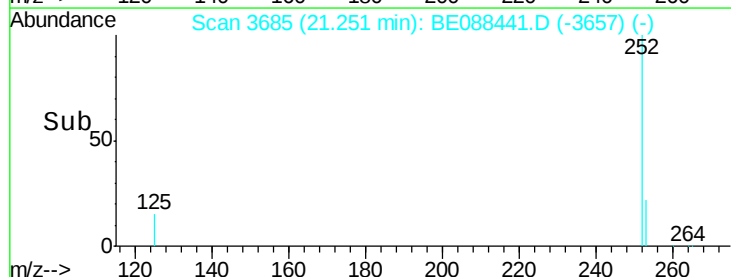
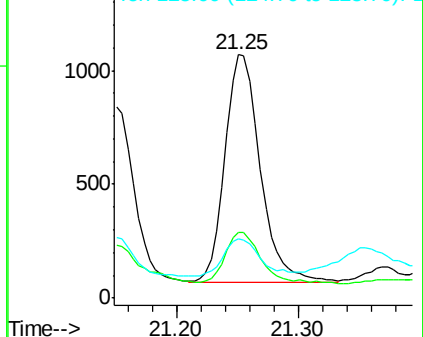
125 24.2 13.7 20.5#

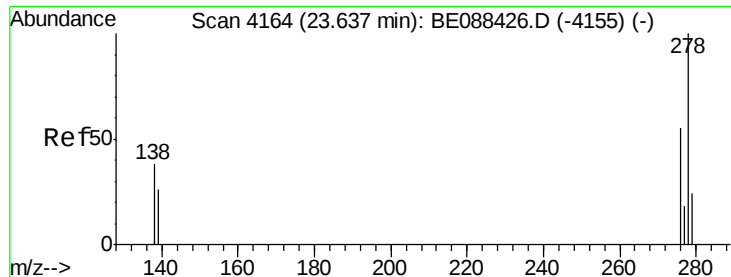


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Dibenzo(a,h)anthracene

Concen: 0.04 ng

RT: 23.63 min Scan# 4163

Delta R.T. -0.01 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

Instrument :

BNA_E

ClientSampleId :

YS19-SB37-1014

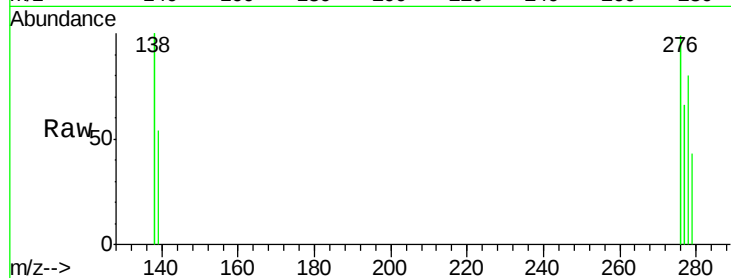
Tgt Ion: 278 Resp: 358

Ion Ratio Lower Upper

278 100

139 67.6 22.1 33.1#

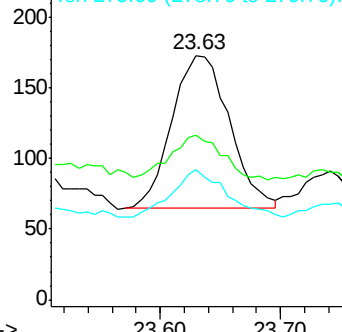
279 53.2 19.7 29.5#



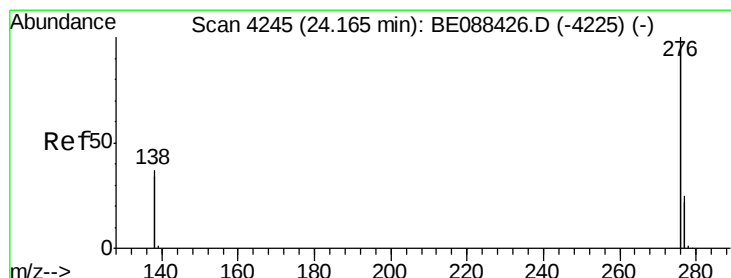
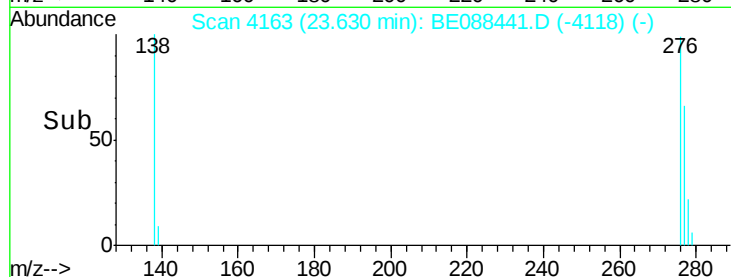
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#27

Benzo(g,h,i)perylene

Concen: 0.15 ng

RT: 24.16 min Scan# 4245

Delta R.T. -0.00 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

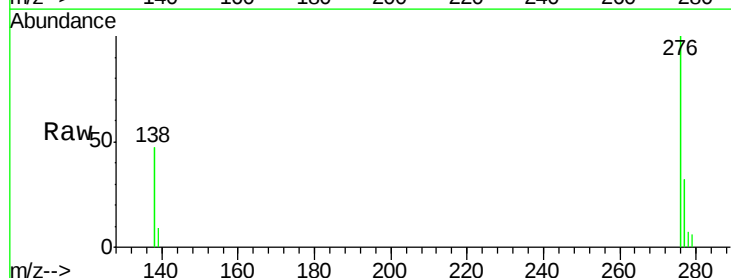
Tgt Ion: 276 Resp: 5662

Ion Ratio Lower Upper

276 100

277 32.1 19.8 29.6#

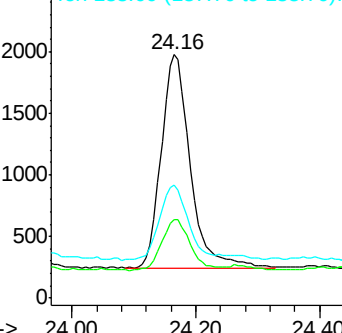
138 46.6 29.3 43.9#



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-->

