

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
 Data File : BE088145.D
 Acq On : 21 Oct 2014 16:51
 Operator : TP/JJ
 Sample : PB79659BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB79659BL

Quant Time: Oct 22 04:37:47 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 21 02:11:14 2014
 Response via : Initial Calibration

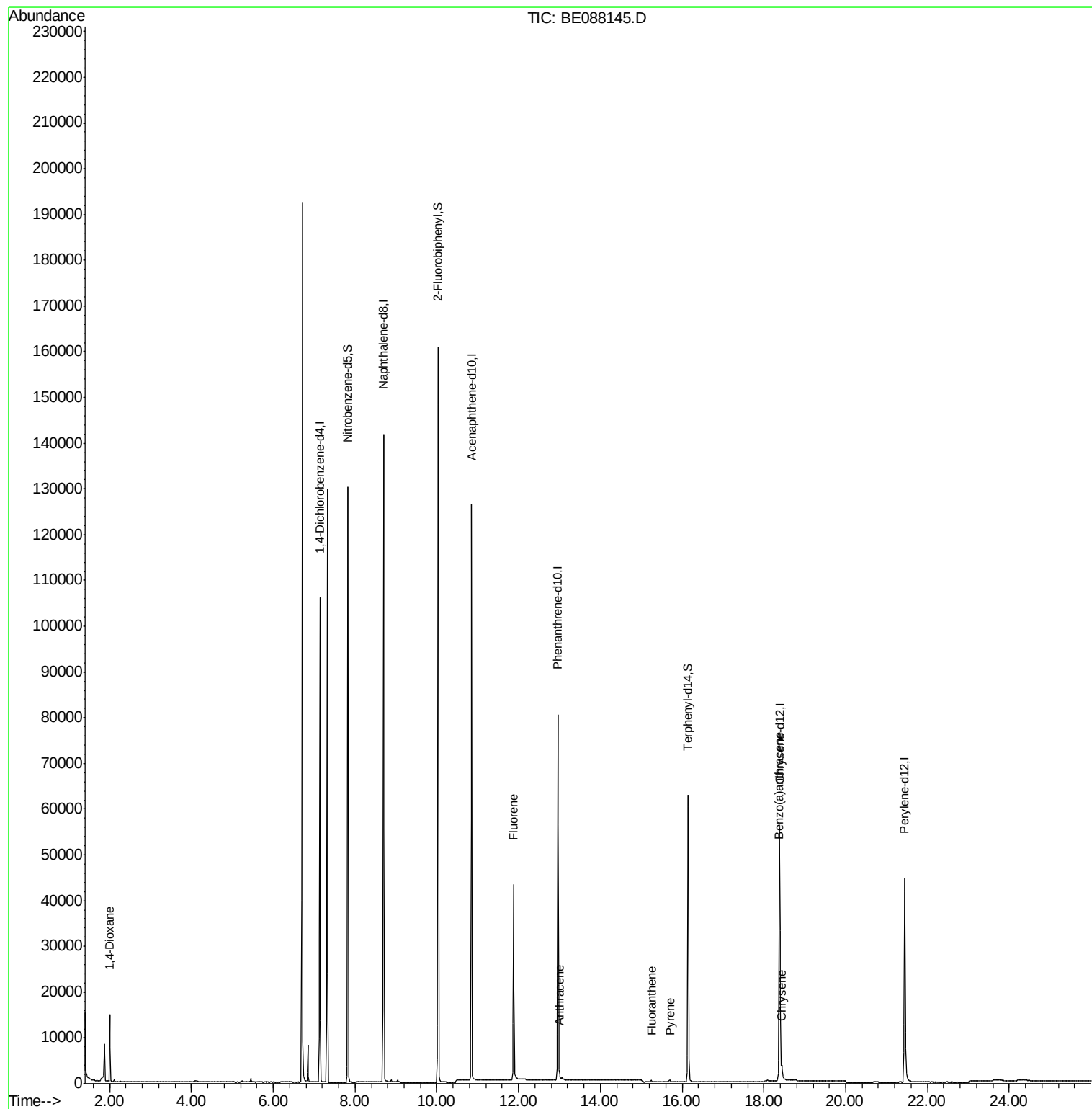
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	32675	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	121297	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	54202	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	97145	5.00	ng	0.00
16) Chrysene-d12	18.38	240	66658	5.00	ng	0.00
22) Perylene-d12	21.44	264	61807	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	63576	7.27	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	105835	7.07	ng	0.00
18) Terphenyl-d14	16.14	244	82668	7.71	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.00	88	475	0.10	ng	# 1
11) Fluorene	11.88	166	1189	0.09	ng	# 77
13) Phenanthrene	13.00	178	1795	Below Cal		# 67
14) Anthracene	13.00	178	1795	0.02	ng	# 73
15) Fluoranthene	15.25	202	774	0.04	ng	96
17) Pyrene	15.70	202	826	0.05	ng	99
19) Benzo(a)anthracene	18.37	228	2918	0.05	ng	# 83
20) Chrysene	18.44	228	3744	0.06	ng	# 85

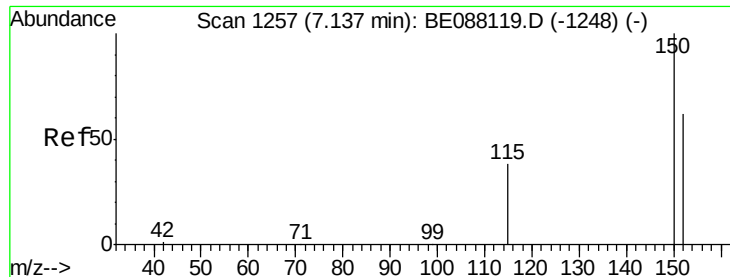
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. -0.00 min

Lab File: BE088145.D

Acq: 21 Oct 2014 16:51

Instrument :

BNA_E

ClientSampleId :

PB79659BL

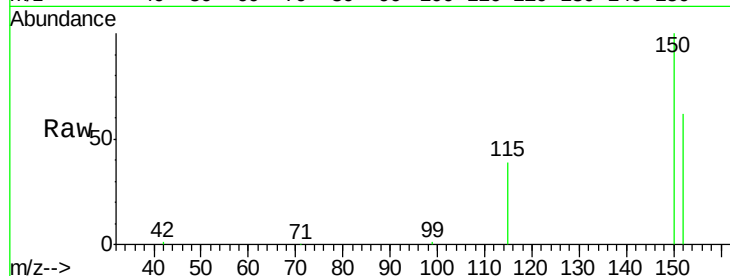
Tgt Ion:152 Resp: 32675

Ion Ratio Lower Upper

152 100

150 162.1 129.2 193.8

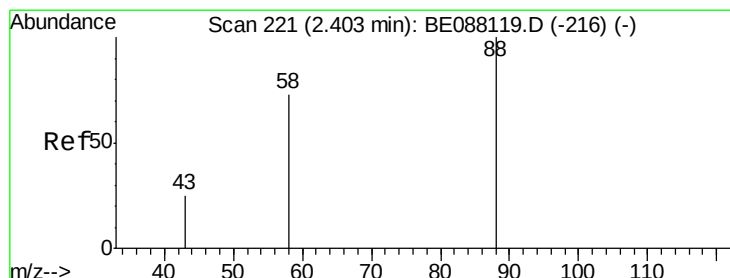
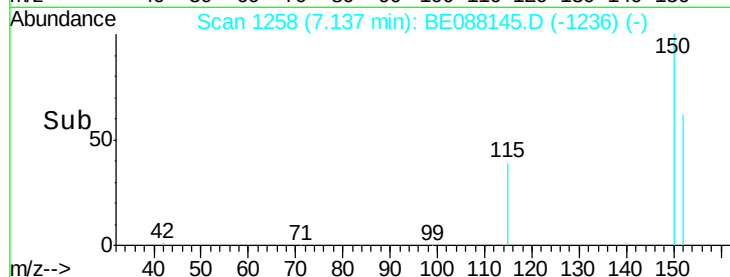
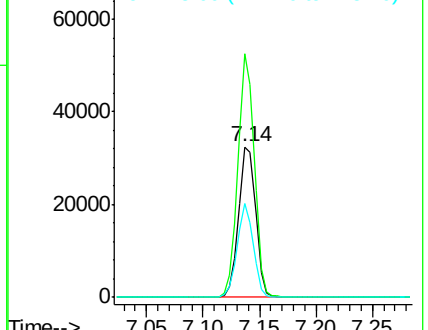
115 62.8 49.3 73.9



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: 0.10 ng

RT: 2.00 min Scan# 134

Delta R.T. -0.40 min

Lab File: BE088145.D

Acq: 21 Oct 2014 16:51

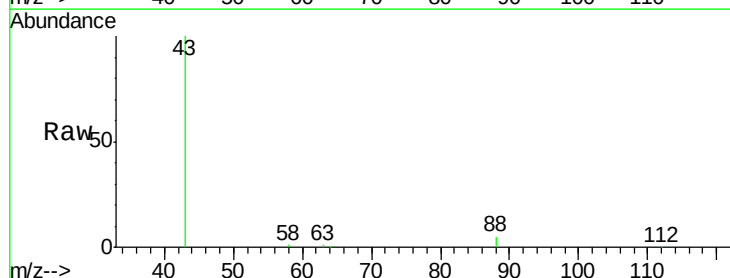
Tgt Ion: 88 Resp: 475

Ion Ratio Lower Upper

88 100

58 24.6 59.5 89.3#

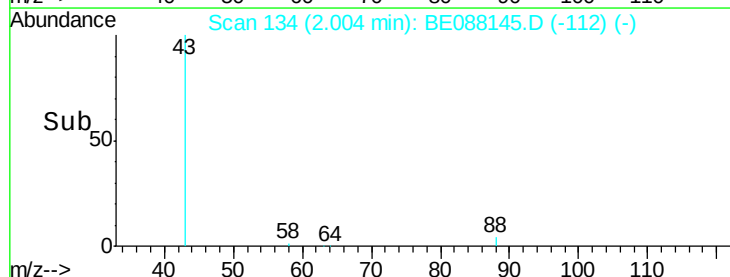
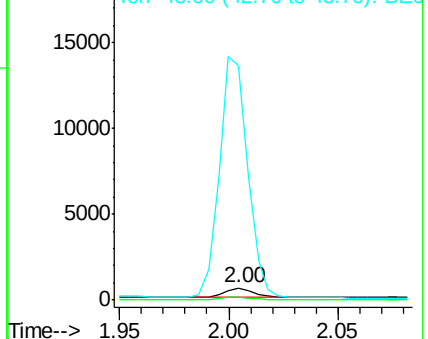
43 2688.0 21.2 31.8#

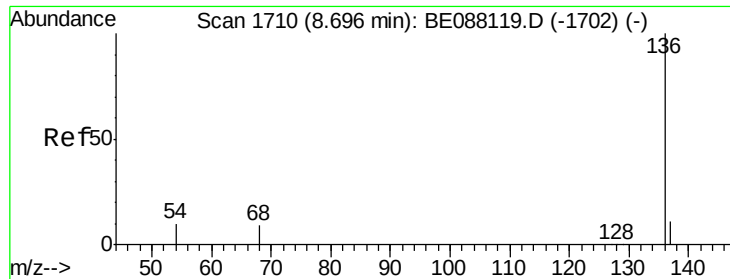


Abundance Ion 88.00 (87.70 to 88.70): BE0

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: 8.70 min Scan# 1712

Delta R.T. 0.01 min

Lab File: BE088145.D

Acq: 21 Oct 2014 16:51

Instrument :

BNA_E

ClientSampled :

PB79659BL

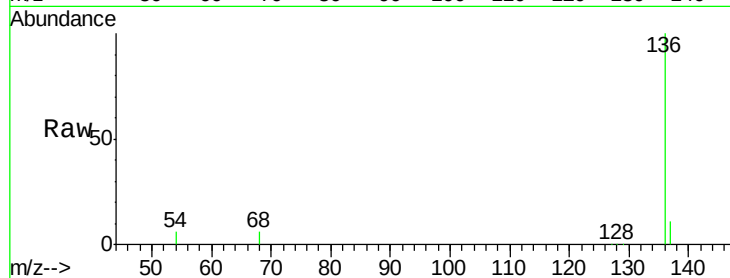
Tgt Ion: 136 Resp: 121297

Ion Ratio Lower Upper

136 100

137 11.4 8.6 12.8

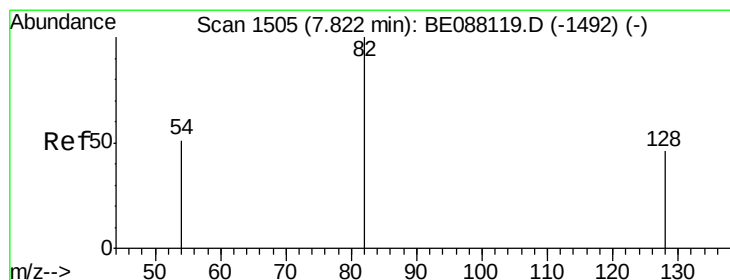
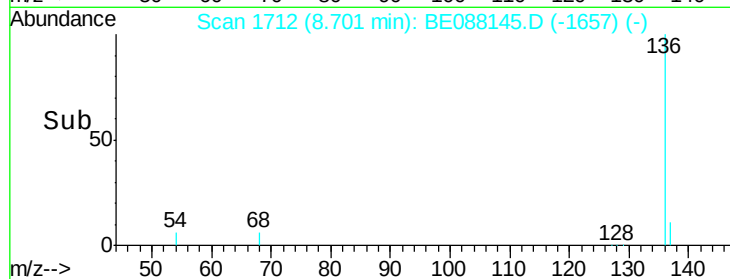
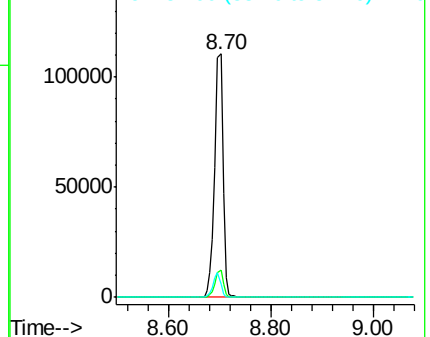
54 5.6 7.7 11.5#



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: 7.27 ng

RT: 7.82 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE088145.D

Acq: 21 Oct 2014 16:51

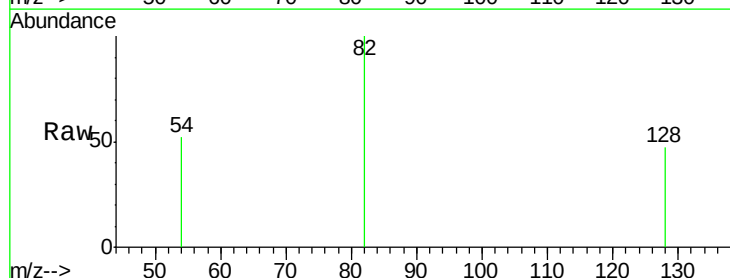
Tgt Ion: 82 Resp: 63576

Ion Ratio Lower Upper

82 100

128 46.6 37.1 55.7

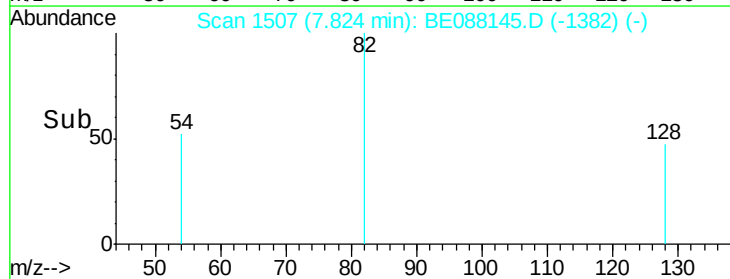
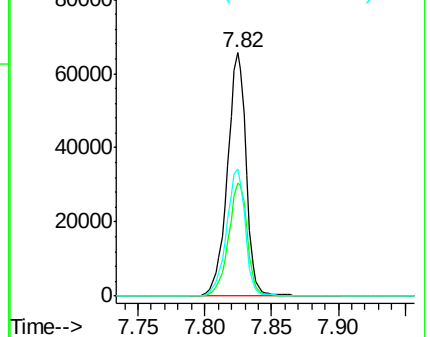
54 52.0 41.1 61.7

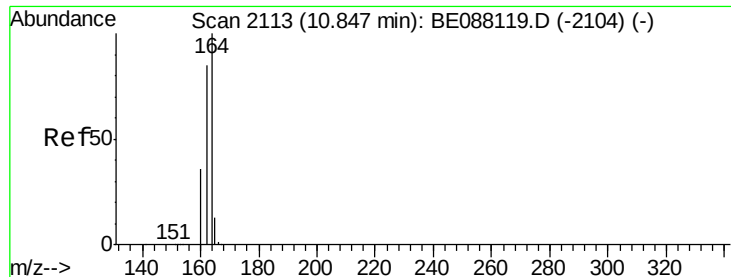


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: 10.85 min Scan# 2114

Delta R.T. -0.00 min

Lab File: BE088145.D

Acq: 21 Oct 2014 16:51

Instrument :

BNA_E

ClientSampleId :

PB79659BL

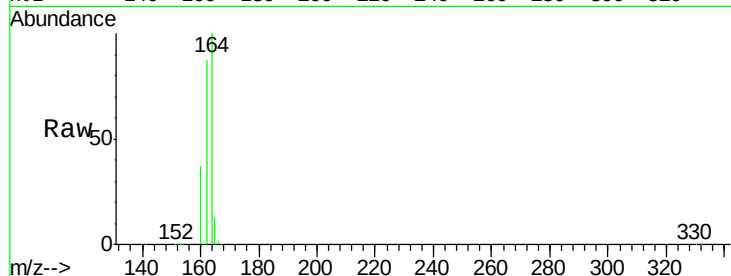
Tgt Ion:164 Resp: 54202

Ion Ratio Lower Upper

164 100

162 87.4 68.3 102.5

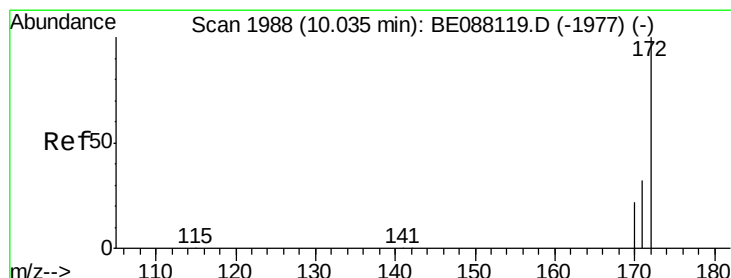
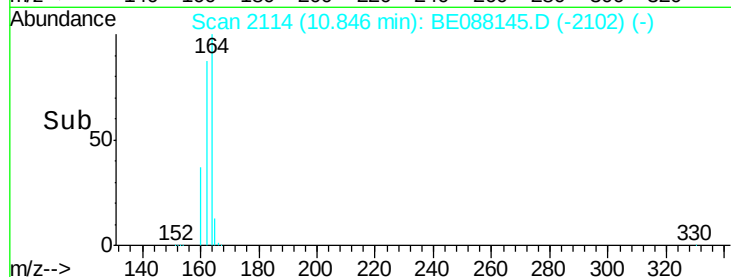
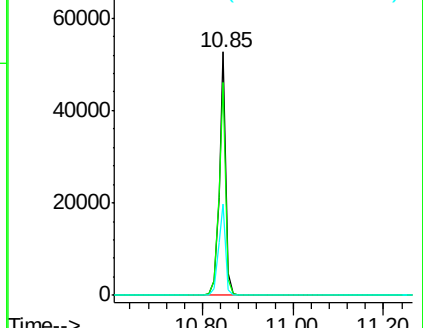
160 37.4 28.7 43.1



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



#8

2-Fluorobiphenyl

Concen: 7.07 ng

RT: 10.03 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BE088145.D

Acq: 21 Oct 2014 16:51

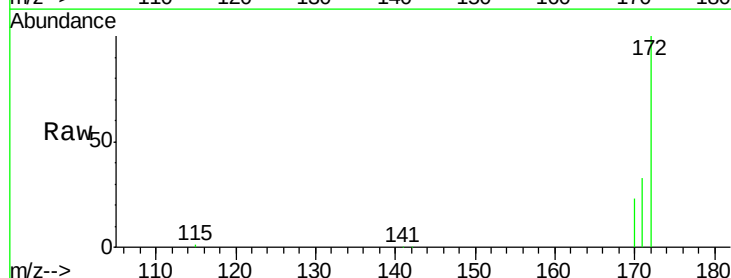
Tgt Ion:172 Resp: 105835

Ion Ratio Lower Upper

172 100

171 33.1 25.4 38.2

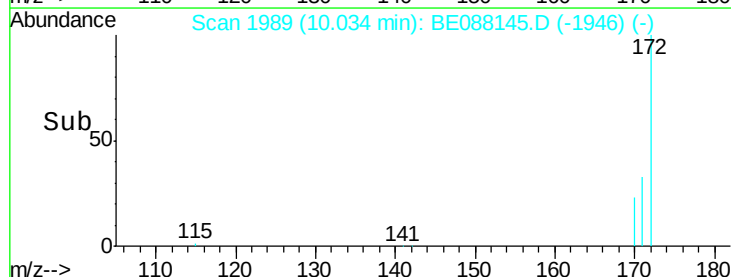
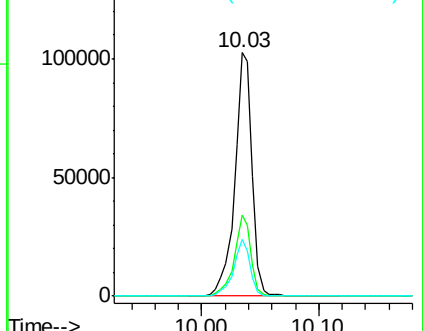
170 23.2 17.4 26.2

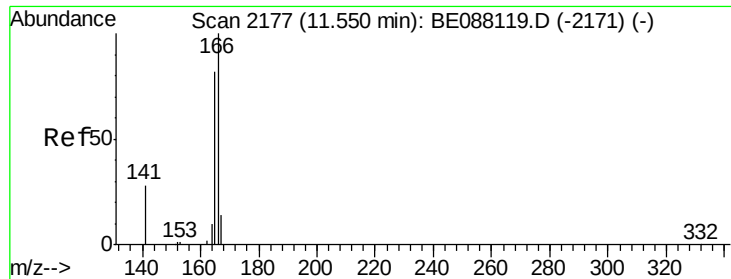


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#11

Fluorene

Concen: 0.09 ng

RT: 11.88 min Scan# 2208

Delta R.T. 0.33 min

Lab File: BE088145.D

Acq: 21 Oct 2014 16:51

Instrument :

BNA_E

ClientSampleId :

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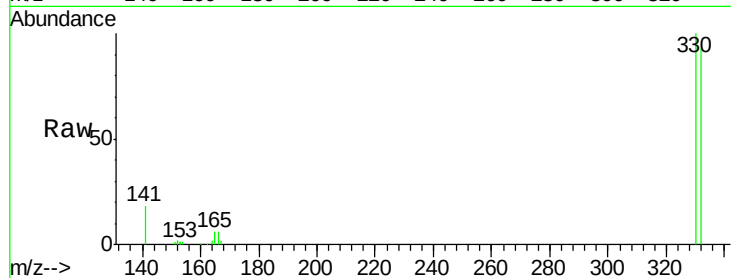
Tgt Ion:166 Resp: 1189

Ion Ratio Lower Upper

166 100

165 106.3 71.4 107.2

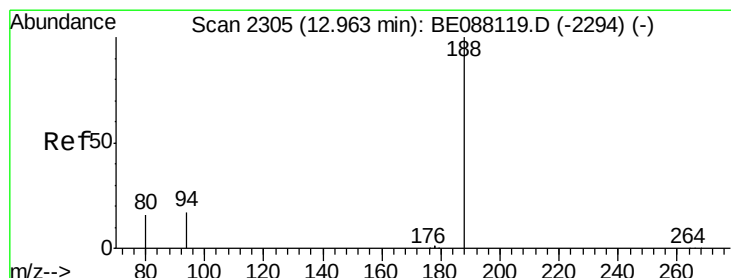
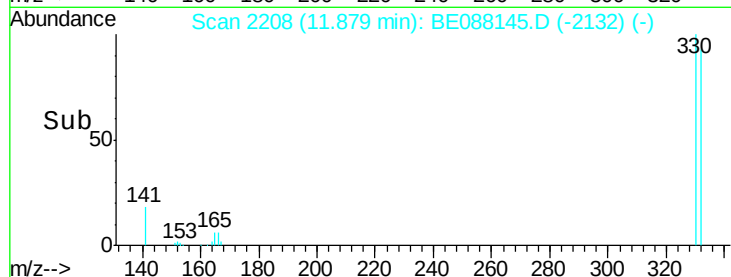
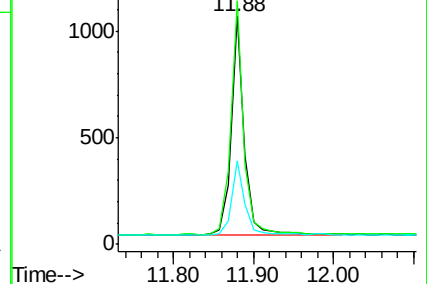
167 34.1 10.6 16.0#



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: 12.96 min Scan# 2306

Delta R.T. 0.00 min

Lab File: BE088145.D

Acq: 21 Oct 2014 16:51

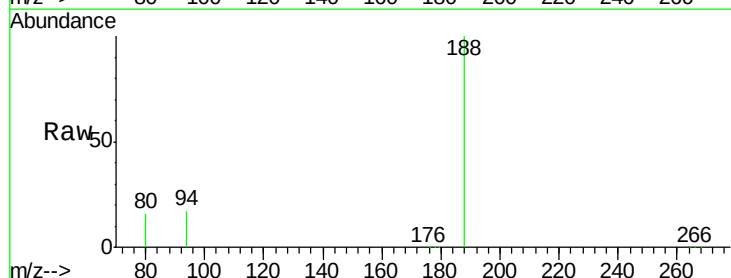
Tgt Ion:188 Resp: 97145

Ion Ratio Lower Upper

188 100

94 16.6 13.9 20.9

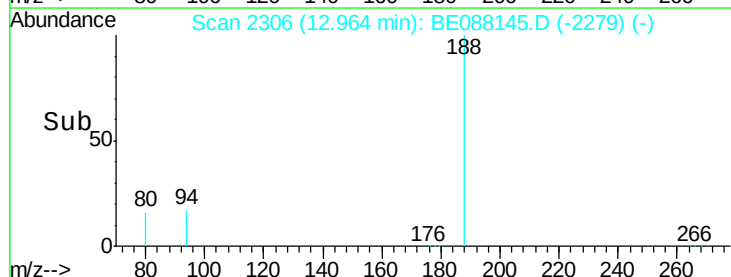
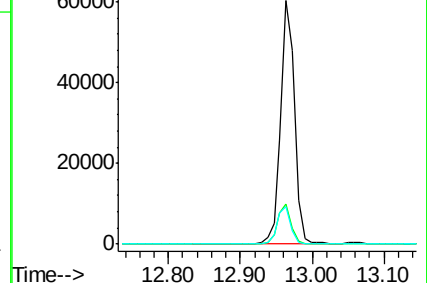
80 15.6 12.9 19.3

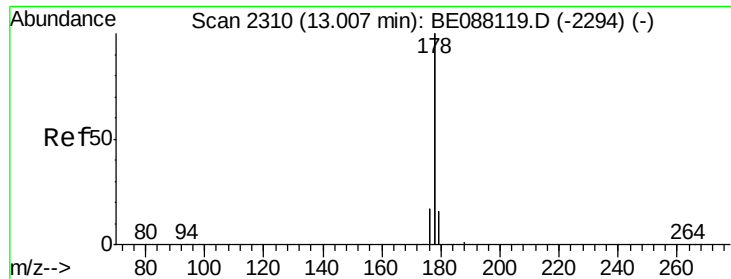


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#13

Phenanthrene

Concen: Below Cal

RT: 13.00 min Scan# 2310

Delta R.T. -0.01 min

Lab File: BE088145.D

Acq: 21 Oct 2014 16:51

Instrument :

BNA_E

ClientSampleId :

PB79659BL

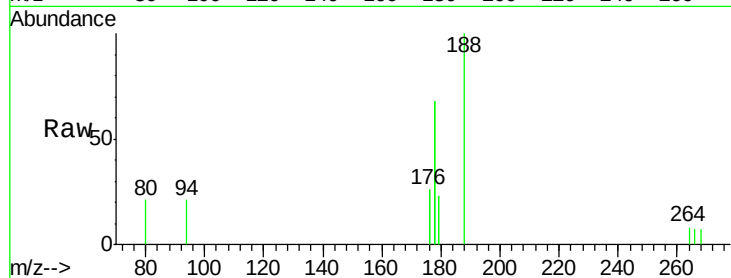
Tgt Ion:178 Resp: 1795

Ion Ratio Lower Upper

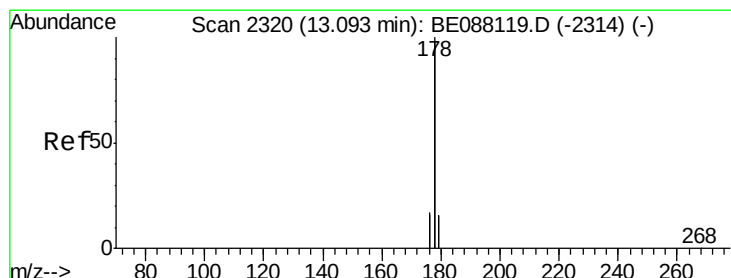
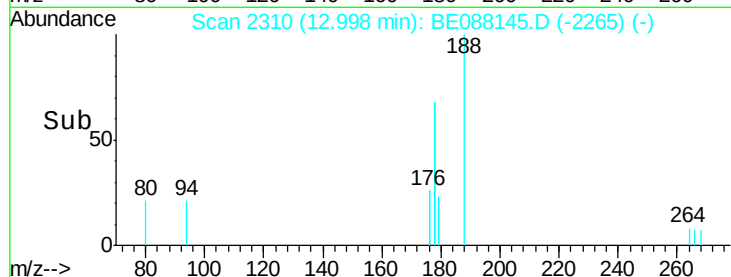
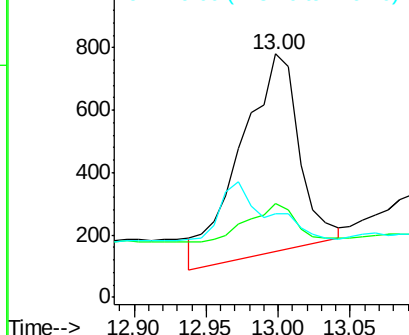
178 100

176 26.3 12.5 18.7#

179 0.0 13.5 20.3#



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: 0.02 ng

RT: 13.00 min Scan# 2310

Delta R.T. -0.09 min

Lab File: BE088145.D

Acq: 21 Oct 2014 16:51

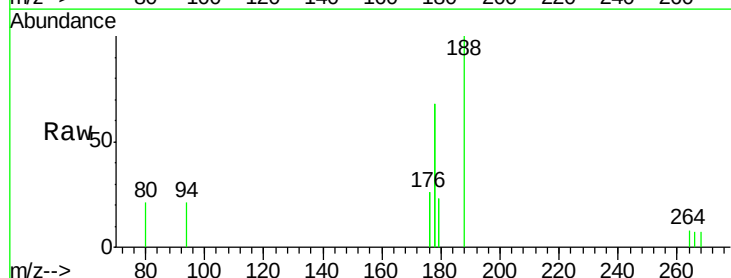
Tgt Ion:178 Resp: 1795

Ion Ratio Lower Upper

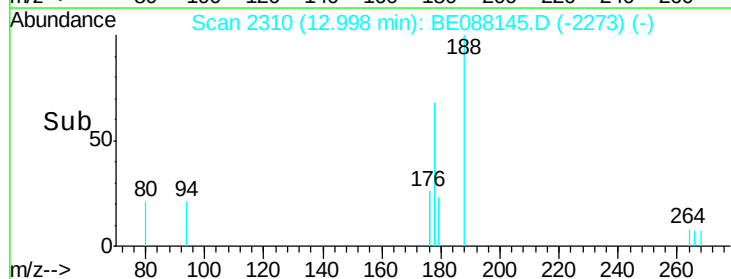
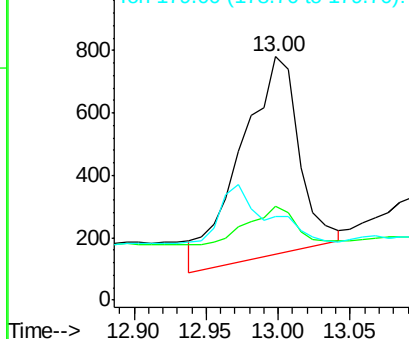
178 100

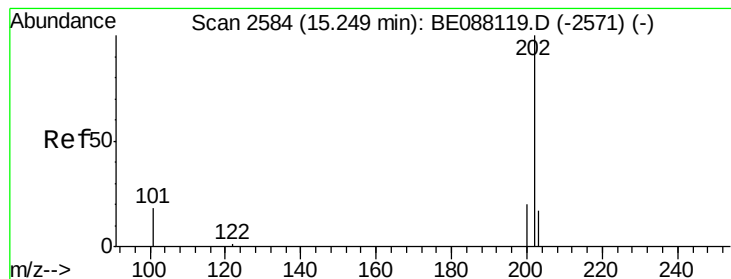
176 26.3 14.6 21.8#

179 0.0 12.5 18.7#



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





#15

Fluoranthene

Concen: 0.04 ng

RT: 15.25 min Scan# 2585

Delta R.T. -0.00 min

Lab File: BE088145.D

Acq: 21 Oct 2014 16:51

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PB79659BL

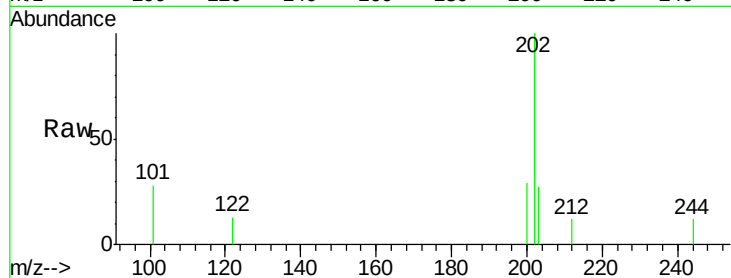
Tgt Ion:202 Resp: 774

Ion Ratio Lower Upper

202 100

101 16.8 14.8 22.2

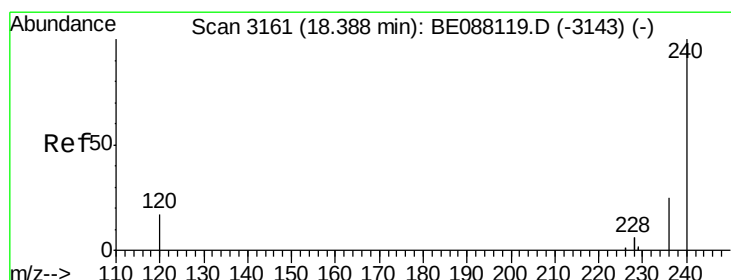
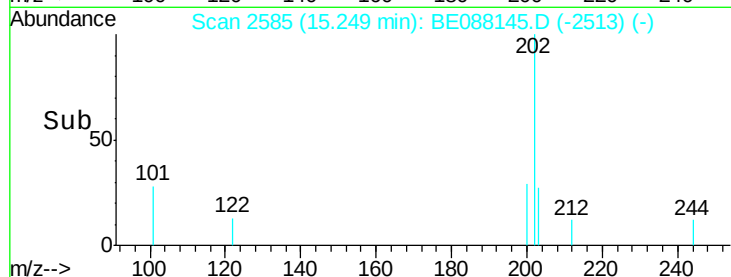
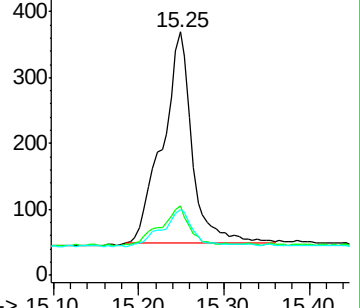
203 14.9 13.5 20.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#16

Chrysene-d12

Concen: 5.00 ng

RT: 18.38 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BE088145.D

Acq: 21 Oct 2014 16:51

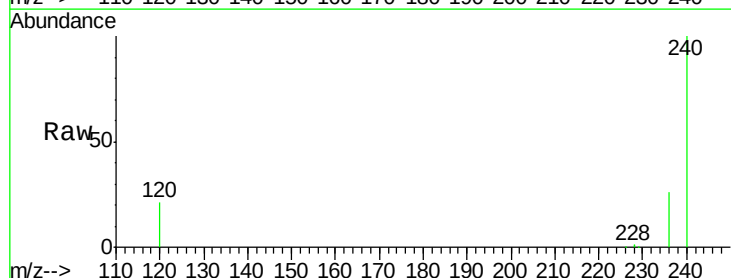
Tgt Ion:240 Resp: 66658

Ion Ratio Lower Upper

240 100

120 20.9 13.9 20.9#

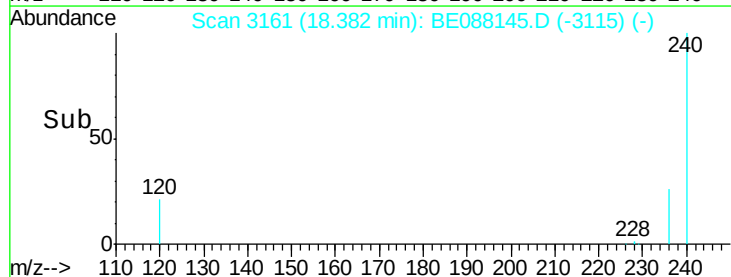
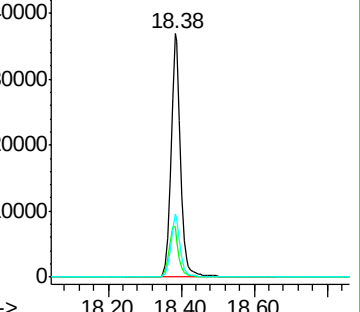
236 25.9 19.9 29.9

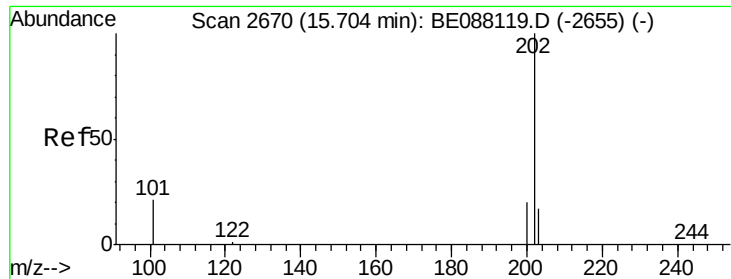


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

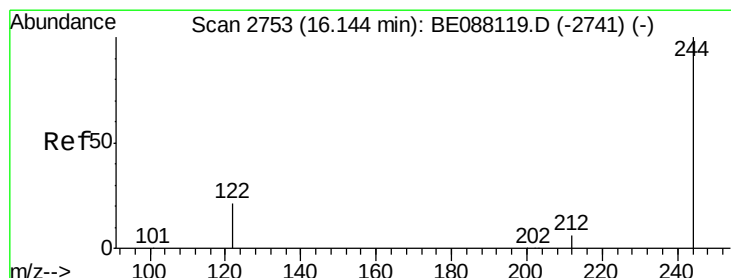
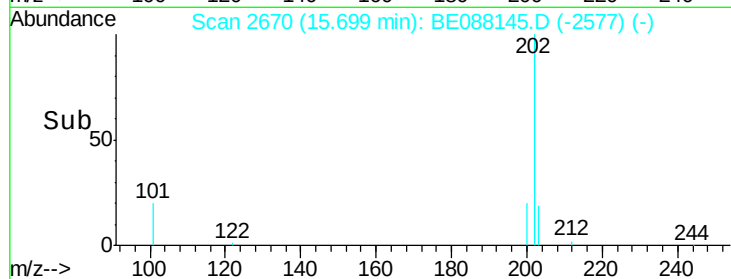
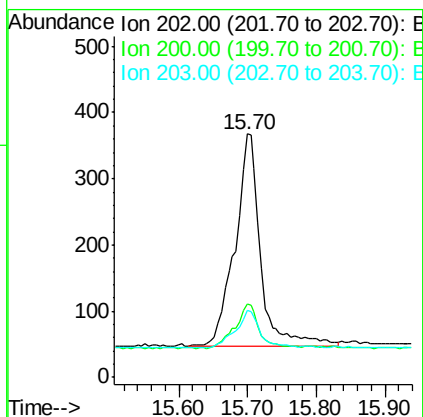
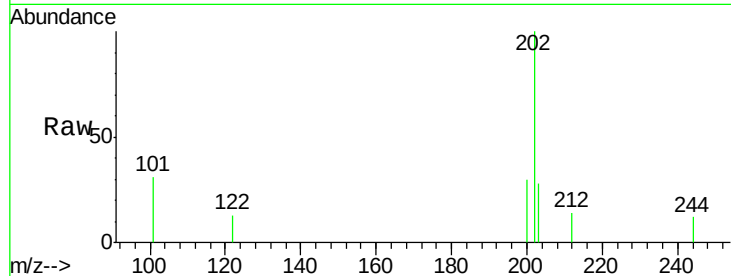




#17
 Pyrene
 Concen: 0.05 ng
 RT: 15.70 min Scan# 2670
 Delta R.T. -0.01 min
 Lab File: BE088145.D
 Acq: 21 Oct 2014 16:51

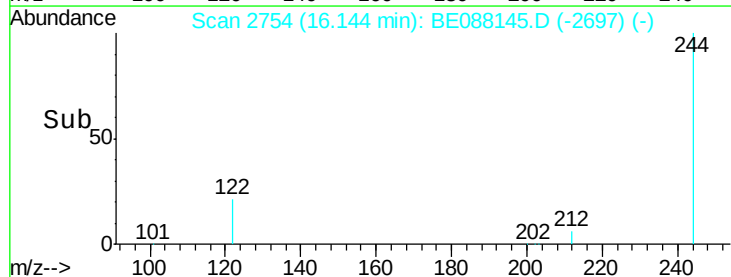
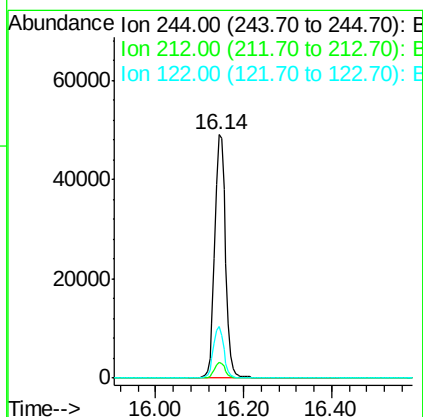
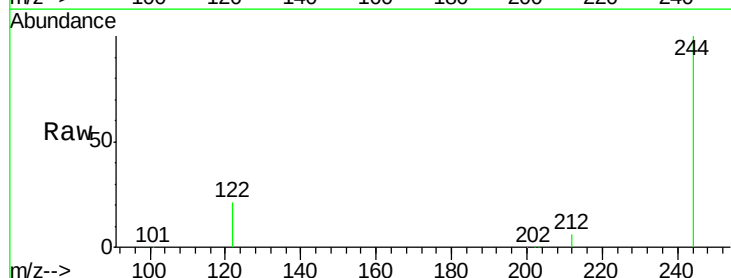
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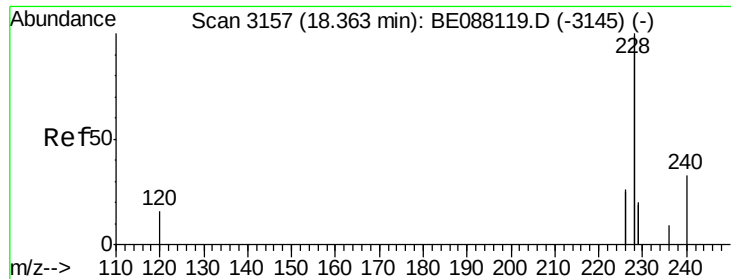
Tgt Ion: 202 Resp: 826
 Ion Ratio Lower Upper
 202 100
 200 19.6 16.1 24.1
 203 16.6 13.9 20.9



#18
 Terphenyl-d14
 Concen: 7.71 ng
 RT: 16.14 min Scan# 2754
 Delta R.T. -0.00 min
 Lab File: BE088145.D
 Acq: 21 Oct 2014 16:51

Tgt Ion: 244 Resp: 82668
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 21.0 17.5 26.3





#19

Benzo(a)anthracene

Concen: 0.05 ng

RT: 18.37 min Scan# 3159

Delta R.T. 0.01 min

Lab File: BE088145.D

Acq: 21 Oct 2014 16:51

Instrument :

BNA_E

ClientSampleId :

PB79659BL

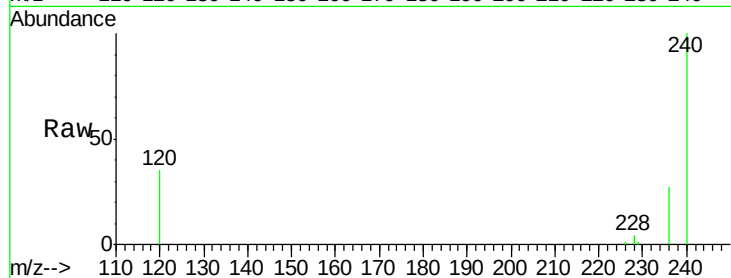
Tgt Ion:228 Resp: 2918

Ion Ratio Lower Upper

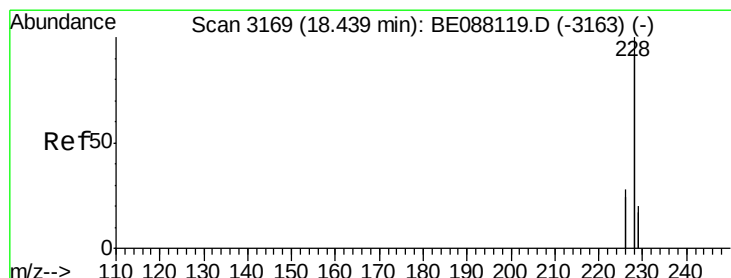
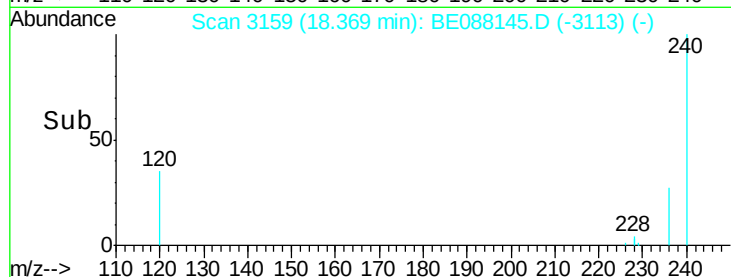
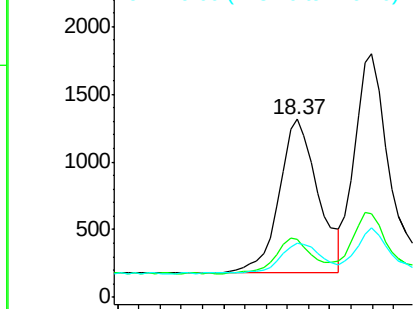
228 100

226 32.4 20.8 31.2#

229 30.3 15.6 23.4#



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: 0.06 ng

RT: 18.44 min Scan# 3170

Delta R.T. 0.00 min

Lab File: BE088145.D

Acq: 21 Oct 2014 16:51

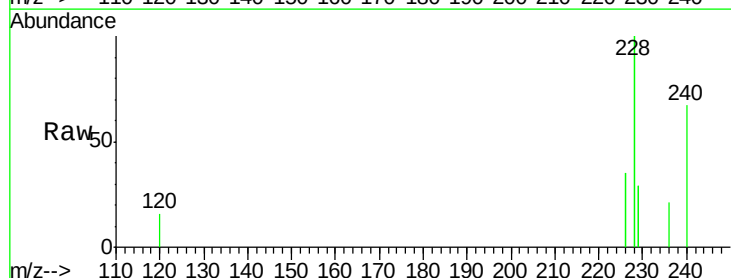
Tgt Ion:228 Resp: 3744

Ion Ratio Lower Upper

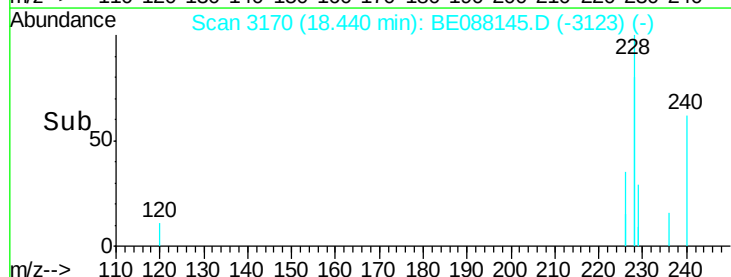
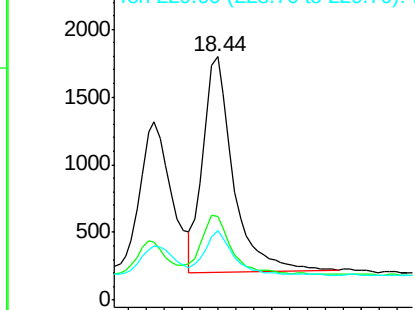
228 100

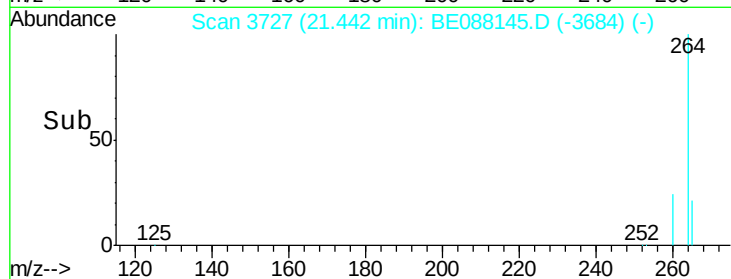
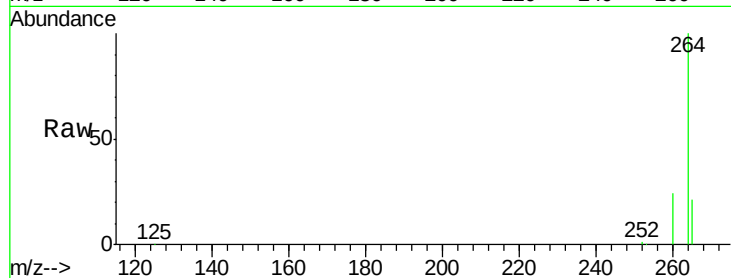
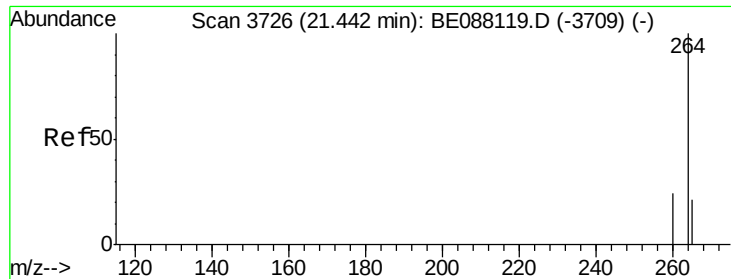
226 34.6 22.7 34.1#

229 28.6 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





#22

Perylene-d12

Concen: 5.00 ng

RT: 21.44 min Scan# 3727

Delta R.T. -0.00 min

Lab File: BE088145.D

Acq: 21 Oct 2014 16:51

Instrument :

BNA_E

ClientSampleId :

PB79659BL

Tgt Ion: 264 Resp: 61807

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

265 21.5 17.2 25.8

