

Data Path : Z:\HPCHEM1\BNA_E\Data\BE102014\
 Data File : BE088134.D
 Acq On : 21 Oct 2014 10:12
 Operator : TP/JJ
 Sample : PB79718BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB79718BL

Quant Time: Oct 21 15:06:58 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

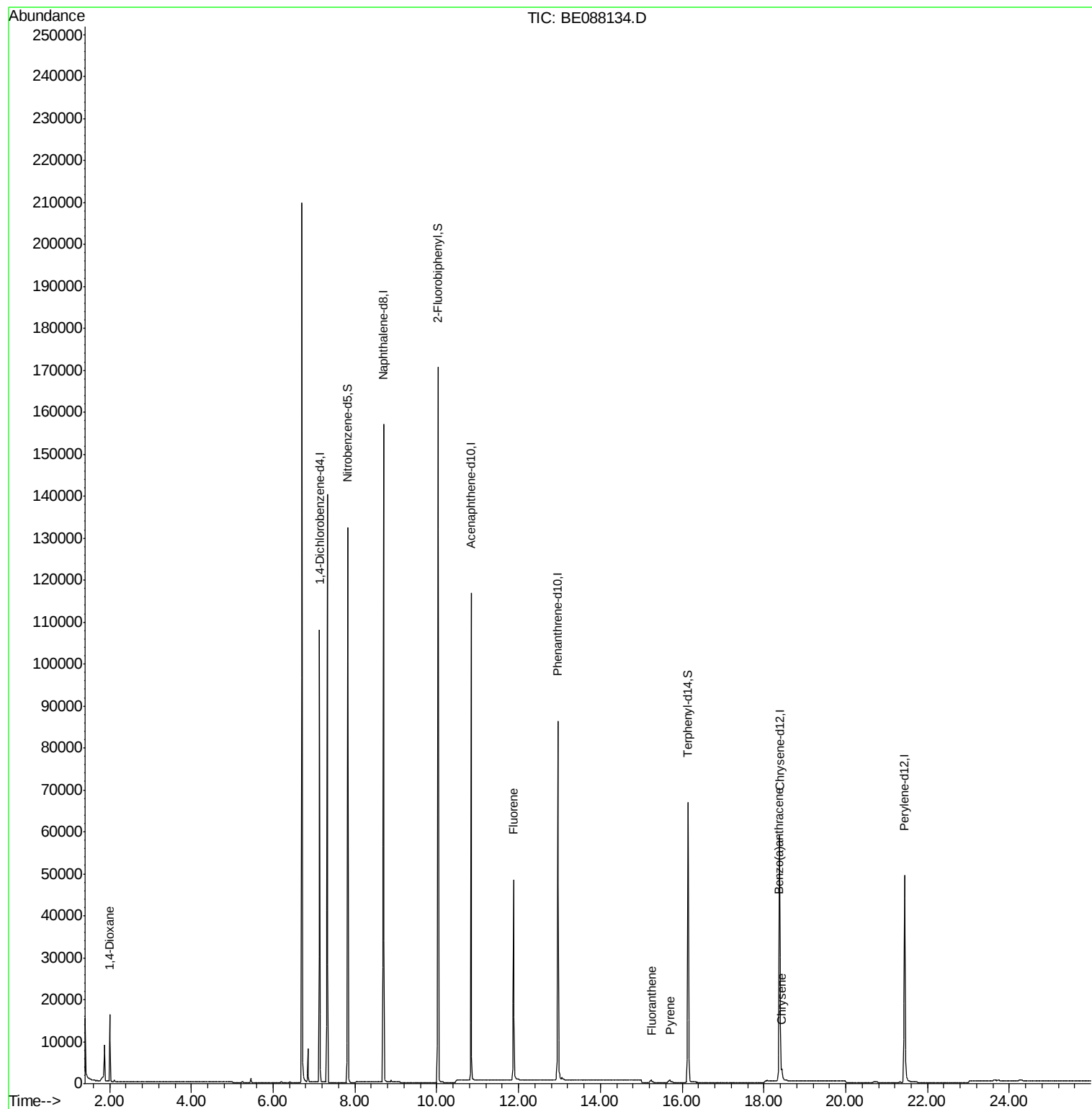
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	34378	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	129459	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	57619	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	104705	5.00	ng	0.00
16) Chrysene-d12	18.38	240	70219	5.00	ng	0.00
22) Perylene-d12	21.44	264	65610	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	67078	7.19	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	113305	7.12	ng	0.00
18) Terphenyl-d14	16.15	244	87696	7.76	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.01	88	504	0.10	ng	# 1
11) Fluorene	11.88	166	1332	0.09	ng	# 82
13) Phenanthrene	13.00	178	2897	Below Cal		# 71
15) Fluoranthene	15.25	202	948	0.05	ng	95
17) Pyrene	15.70	202	994	0.05	ng	100
19) Benzo(a)anthracene	18.36	228	2719	0.04	ng	# 80
20) Chrysene	18.44	228	3305	0.05	ng	# 86

(#) = 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: BE088134.D

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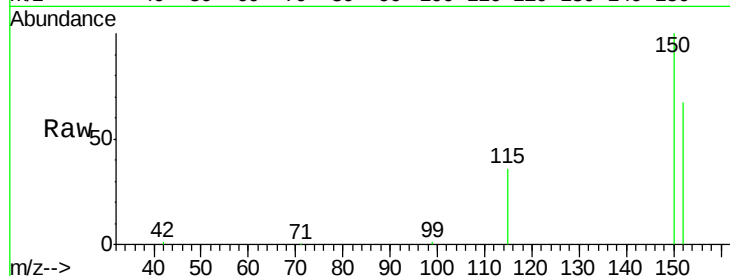
Tgt Ion:152 Resp: 34378

Ion Ratio Lower Upper

152 100

150 148.2 129.2 193.8

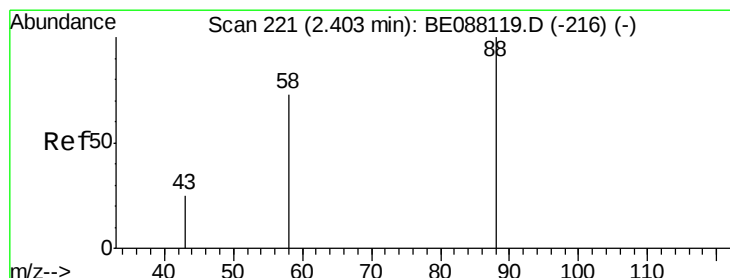
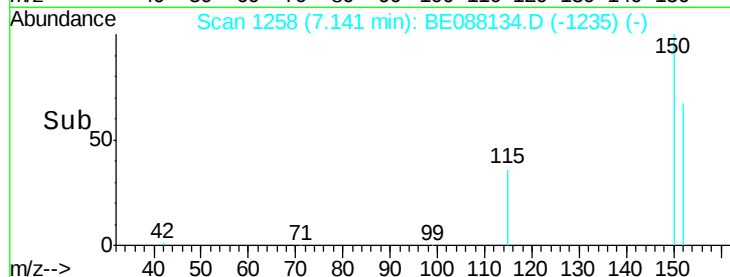
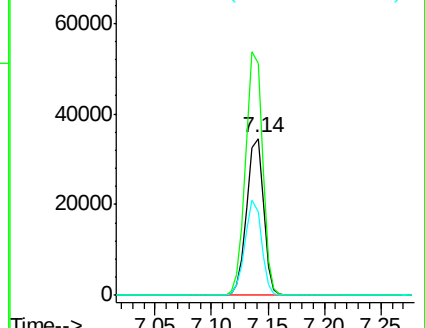
115 53.1 49.3 73.9



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: 2.01 min Scan# 134

Delta R.T. -0.40 min

Lab File: BE088134.D

Acq: 21 Oct 2014 10:12

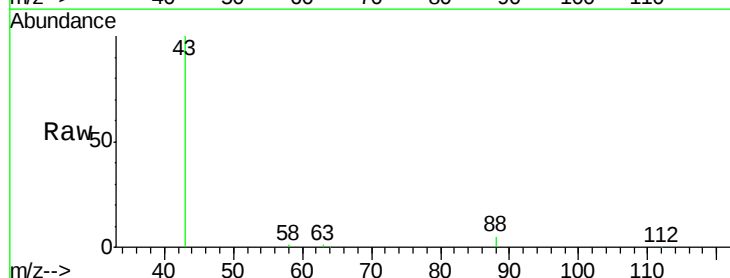
Tgt Ion: 88 Resp: 504

Ion Ratio Lower Upper

88 100

58 22.2 59.5 89.3#

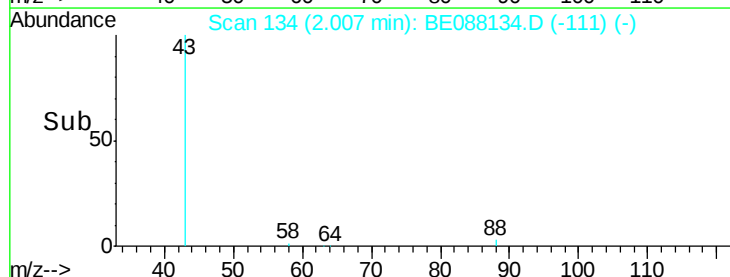
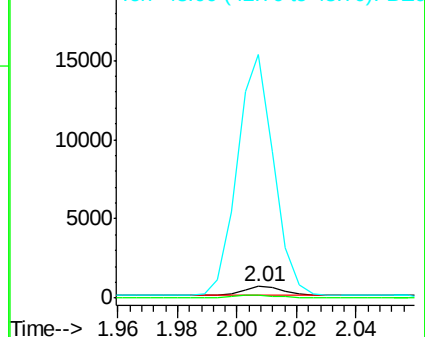
43 2583.7 21.2 31.8#

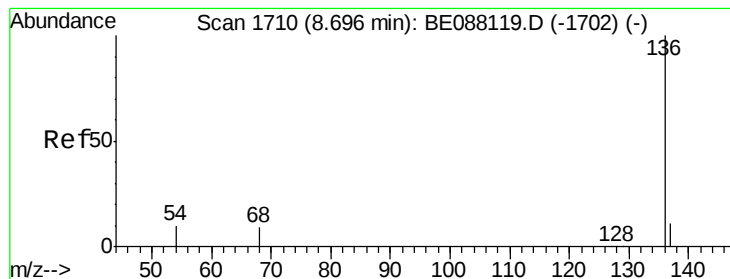


Abundance Ion 88.00 (87.70 to 88.70): BE0

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# 1711

Delta R.T. 0.00 min

Lab File: BE088134.D

Acq: 21 Oct 2014 10:12

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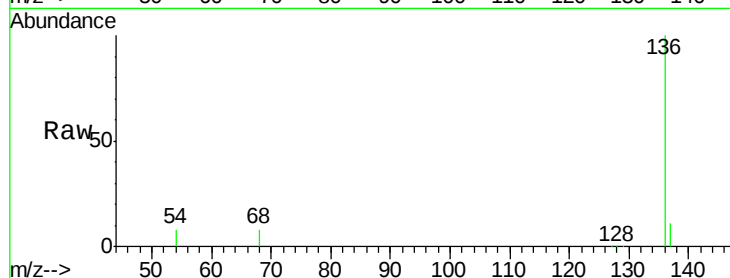
Tgt Ion: 136 Resp: 129459

Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

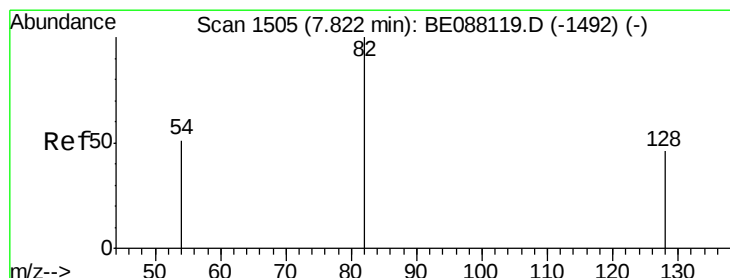
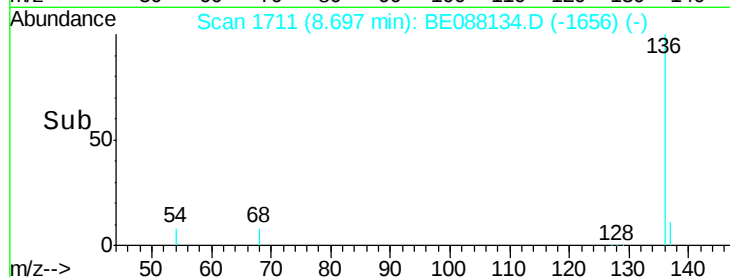
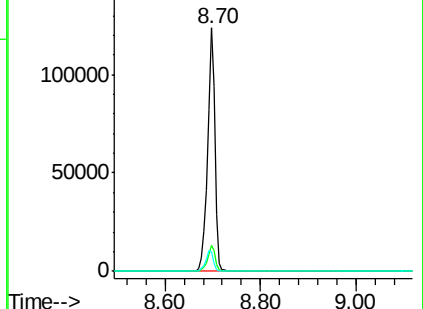
54 8.2 7.7 11.5



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): E



#4

Nitrobenzene-d5

Concen: 7.19 ng

RT: 7.82 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BE088134.D

Acq: 21 Oct 2014 10:12

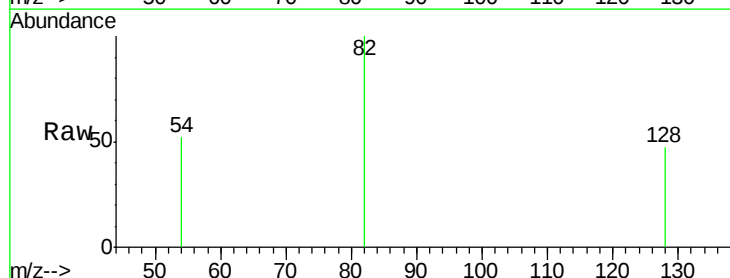
Tgt Ion: 82 Resp: 67078

Ion Ratio Lower Upper

82 100

128 47.1 37.1 55.7

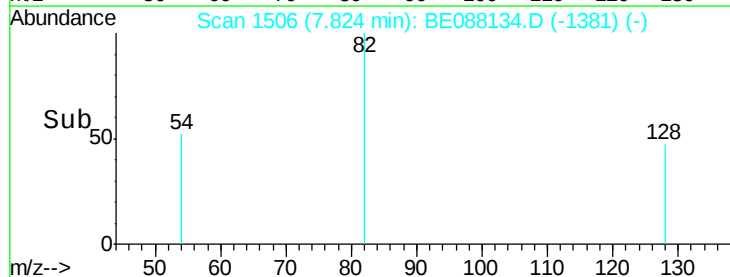
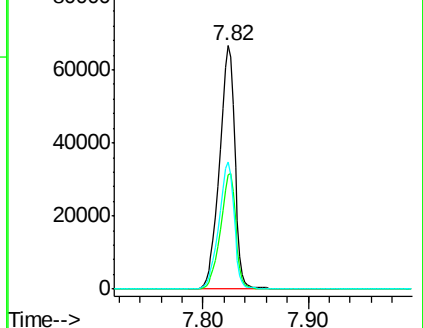
54 52.1 41.1 61.7

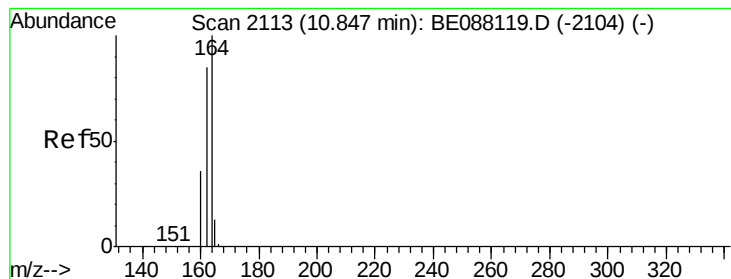


Abundance Ion 82.00 (81.70 to 82.70): E

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): E





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.85 min Scan# 2114

Delta R.T. 0.00 min

Lab File: BE088134.D

Acq: 21 Oct 2014 10:12

Instrument :

BNA_E

ClientSampleId :

PB79718BL

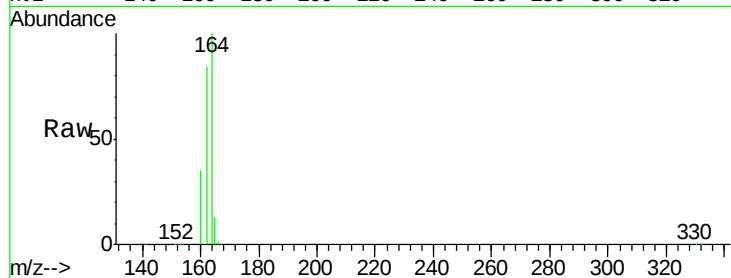
Tgt Ion:164 Resp: 57619

Ion Ratio Lower Upper

164 100

162 83.5 68.3 102.5

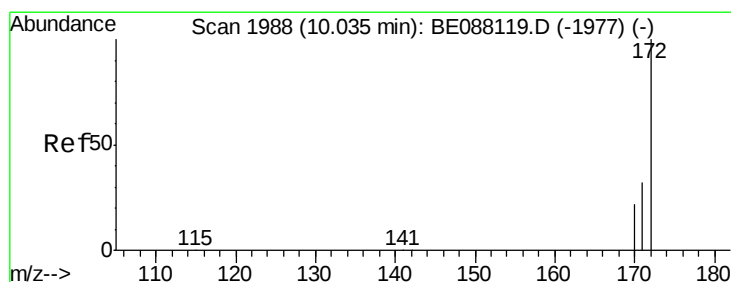
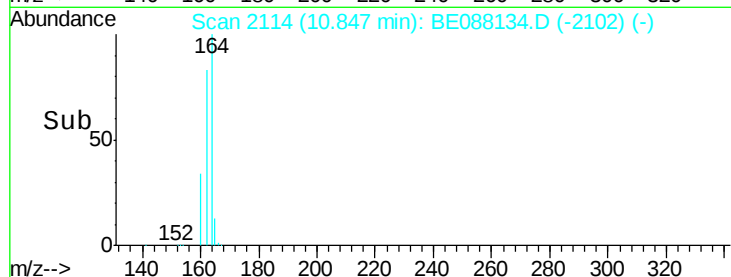
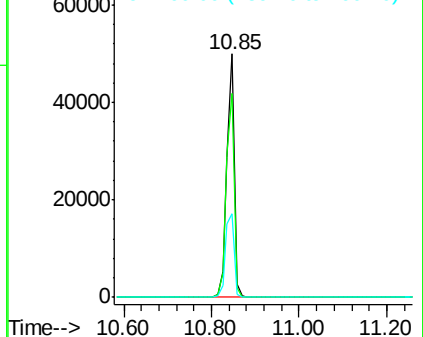
160 34.5 28.7 43.1



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: 7.12 ng

RT: 10.03 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BE088134.D

Acq: 21 Oct 2014 10:12

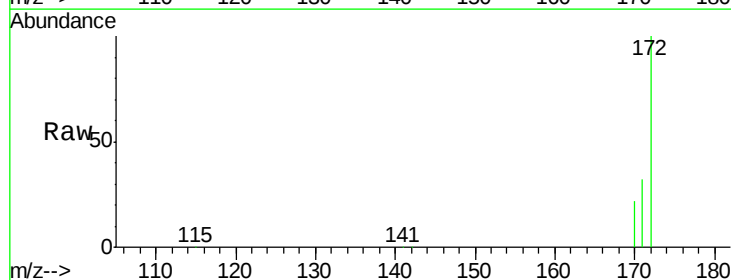
Tgt Ion:172 Resp: 113305

Ion Ratio Lower Upper

172 100

171 32.2 25.4 38.2

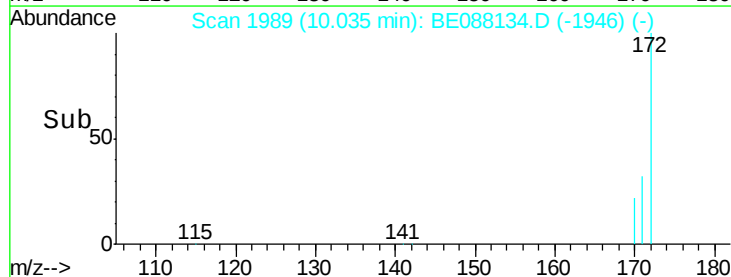
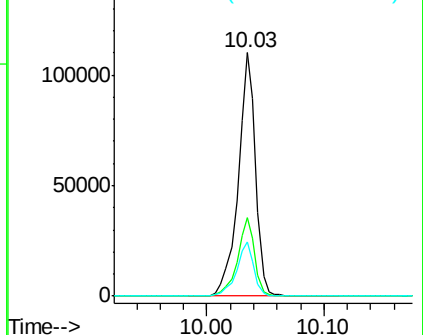
170 22.2 17.4 26.2

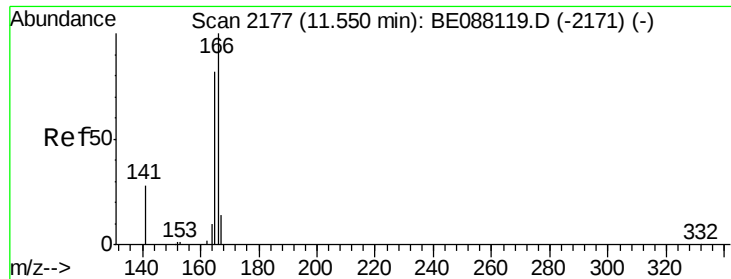


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

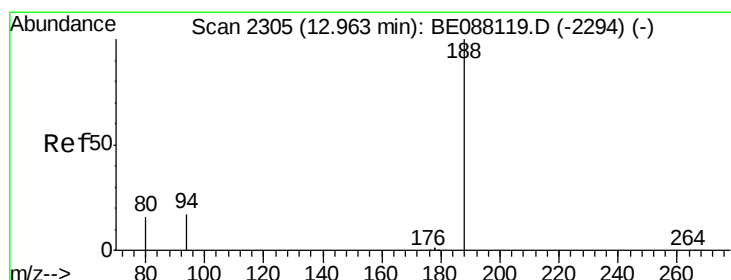
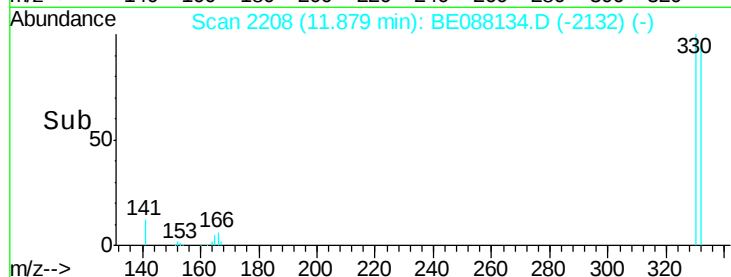
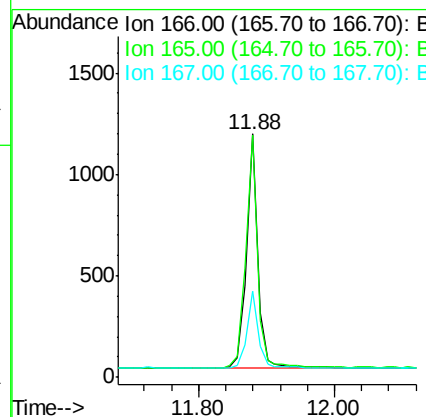
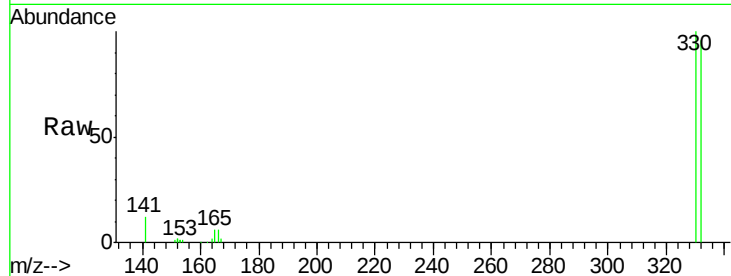




#11
Fluorene
 Concen: 0.09 ng
 RT: 11.88 min Scan# 2208
 Delta R.T. 0.33 min
 Lab File: BE088134.D
 Acq: 21 Oct 2014 10:12

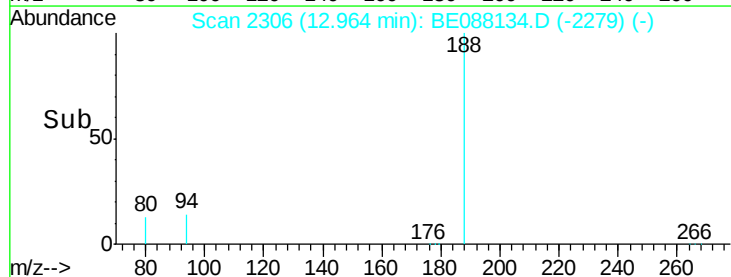
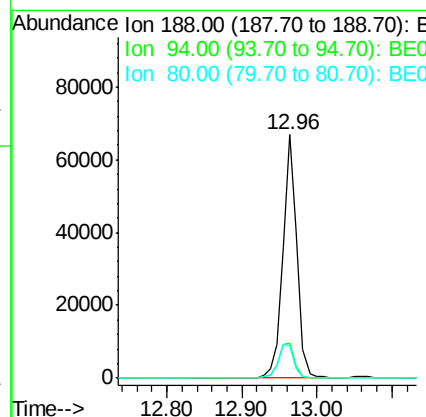
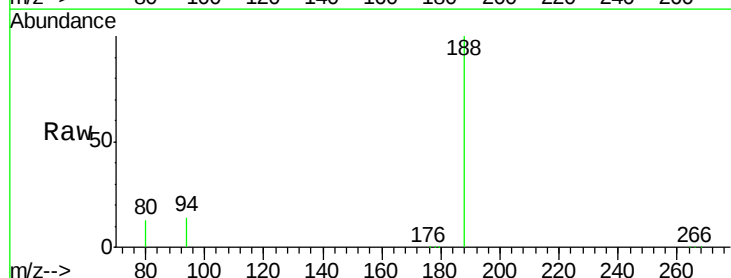
Instrument :
 BNA_E
 ClientSampleId :
 PB79718BL

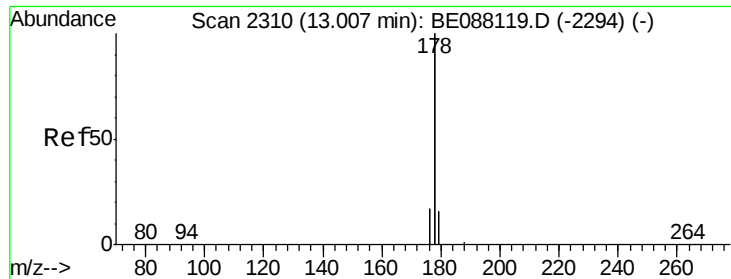
Tgt Ion:166 Resp: 1332
 Ion Ratio Lower Upper
 166 100
 165 101.7 71.4 107.2
 167 32.6 10.6 16.0#



#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.96 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: BE088134.D
 Acq: 21 Oct 2014 10:12

Tgt Ion:188 Resp: 104705
 Ion Ratio Lower Upper
 188 100
 94 14.4 13.9 20.9
 80 13.1 12.9 19.3





#13

Phenanthrene

Concen: Below Cal

RT: 13.00 min Scan# 2310

Delta R.T. -0.01 min

Lab File: BE088134.D

Acq: 21 Oct 2014 10:12

Instrument :

BNA_E

ClientSampleId :

PB79718BL

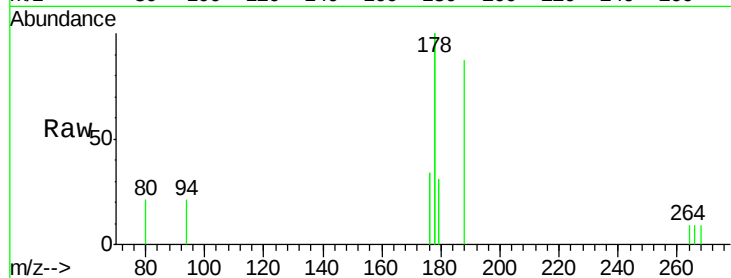
Tgt Ion:178 Resp: 2897

Ion Ratio Lower Upper

178 100

176 22.9 12.5 18.7#

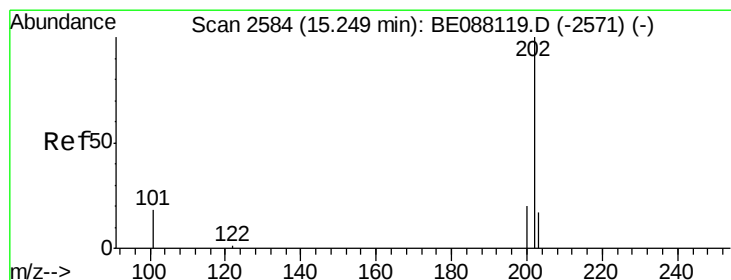
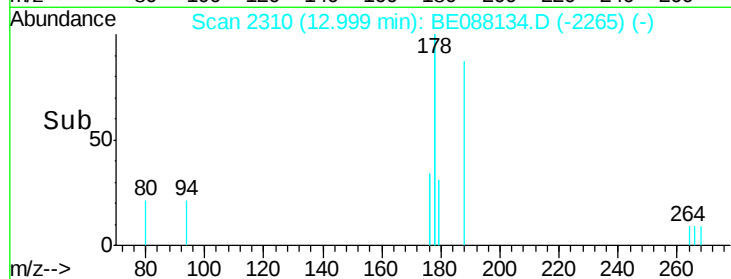
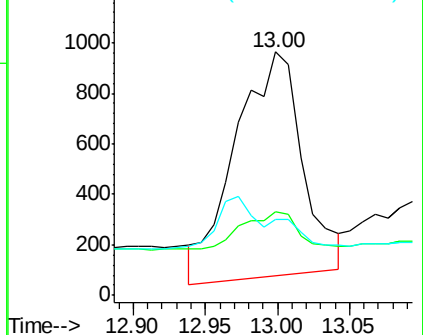
179 0.0 13.5 20.3#



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



#15

Fluoranthene

Concen: 0.05 ng

RT: 15.25 min Scan# 2585

Delta R.T. -0.00 min

Lab File: BE088134.D

Acq: 21 Oct 2014 10:12

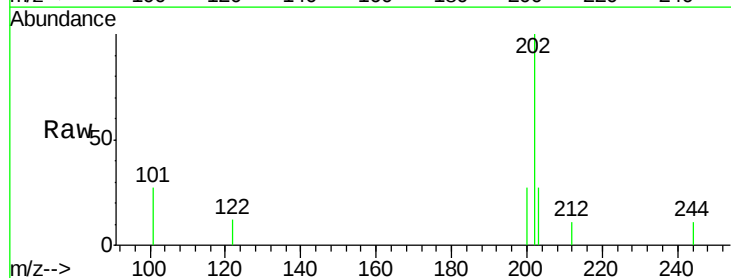
Tgt Ion:202 Resp: 948

Ion Ratio Lower Upper

202 100

101 16.1 14.8 22.2

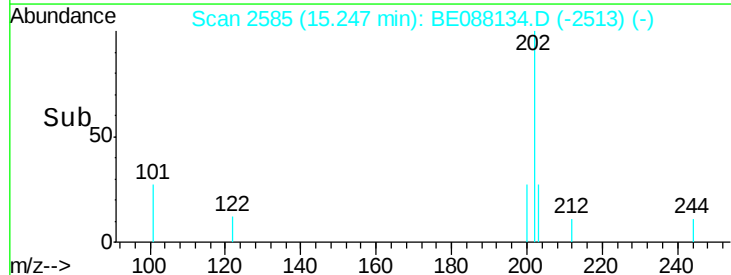
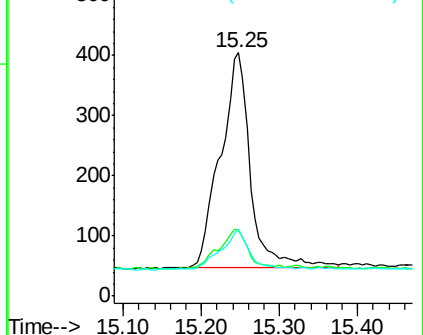
203 15.2 13.5 20.3

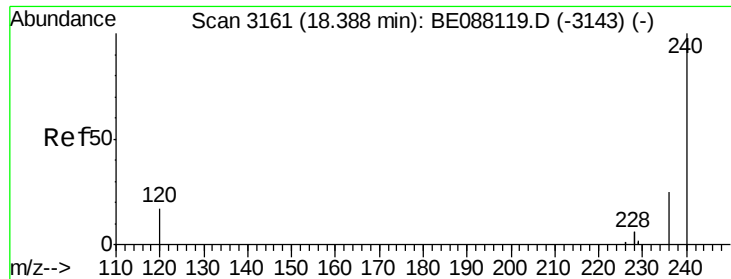


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.00 min

Lab File: BE088134.D

Acq: 21 Oct 2014 10:12

Instrument :

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ClientSampleId :

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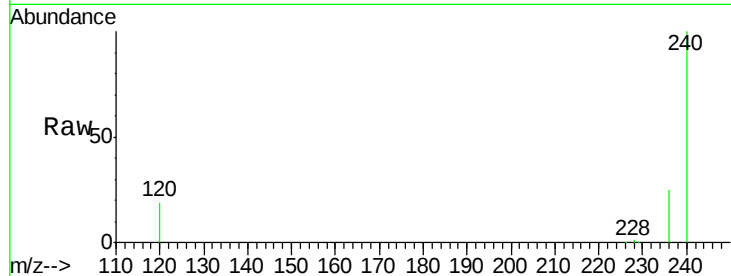
Tgt Ion:240 Resp: 70219

Ion Ratio Lower Upper

240 100

120 19.1 13.9 20.9

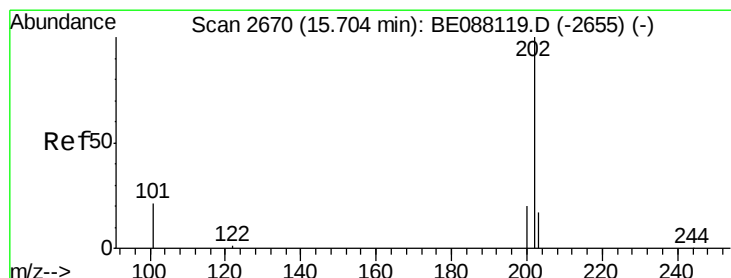
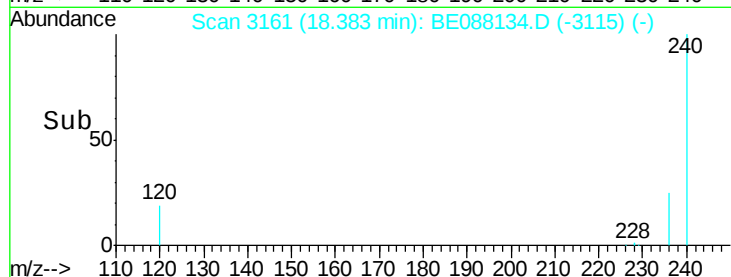
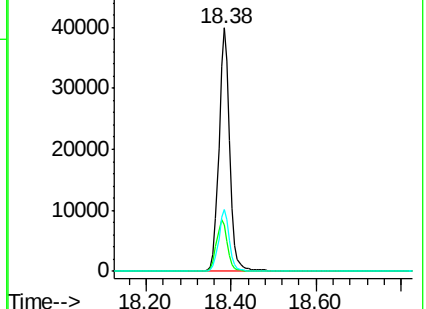
236 25.5 19.9 29.9



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# 2671

Delta R.T. -0.00 min

Lab File: BE088134.D

Acq: 21 Oct 2014 10:12

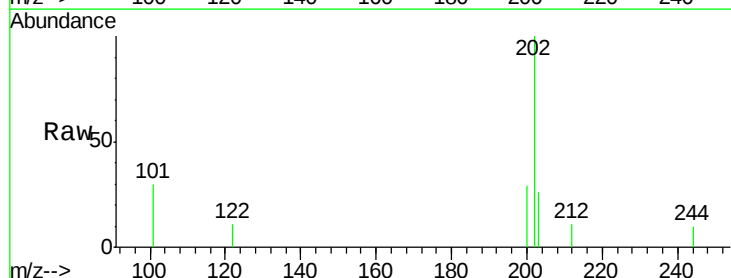
Tgt Ion:202 Resp: 994

Ion Ratio Lower Upper

202 100

200 20.0 16.1 24.1

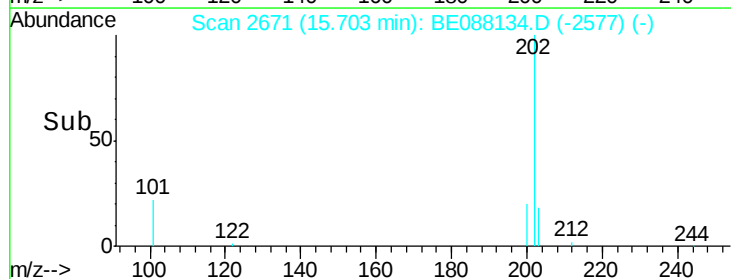
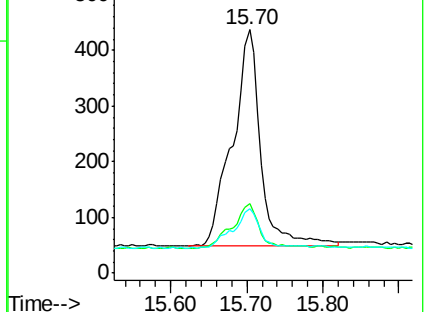
203 17.1 13.9 20.9

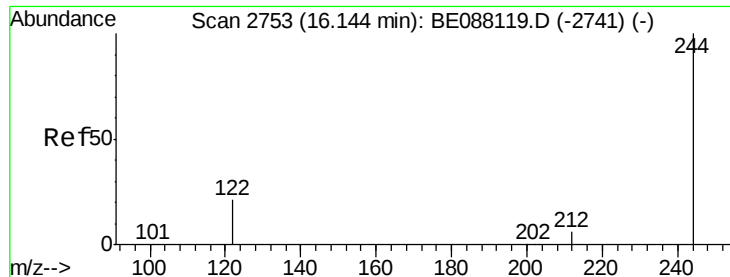


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Terphenyl-d14

Concen: 7.76 ng

RT: 16.15 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE088134.D

Acq: 21 Oct 2014 10:12

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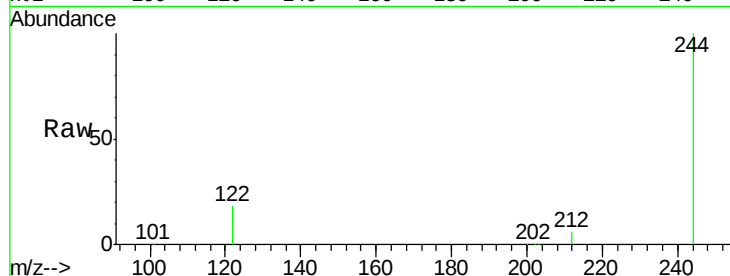
Tgt Ion:244 Resp: 87696

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

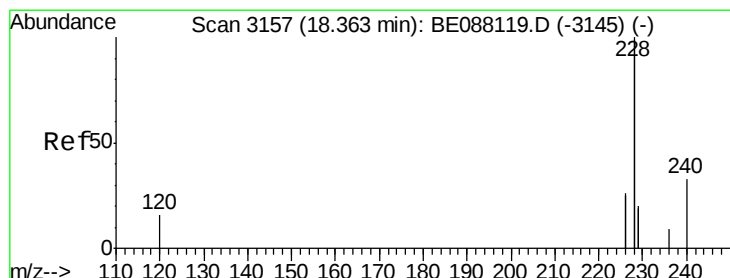
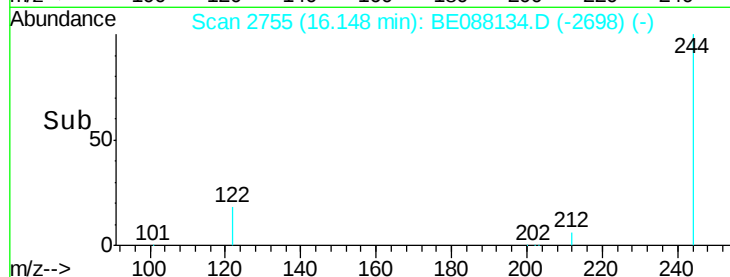
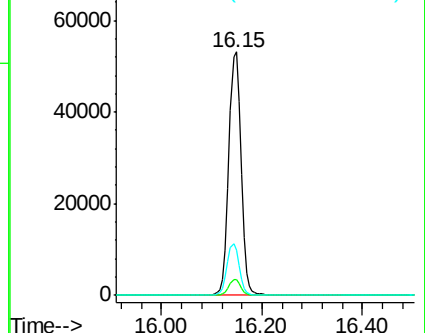
122 18.4 17.5 26.3



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: 0.04 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088134.D

Acq: 21 Oct 2014 10:12

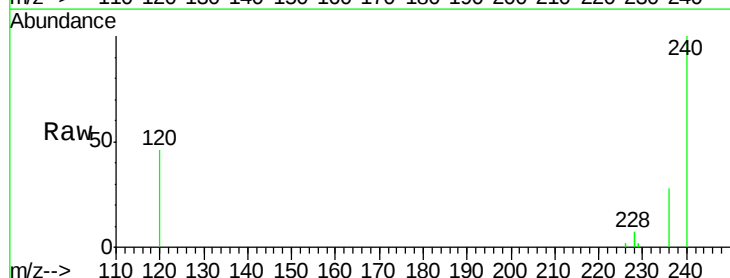
Tgt Ion:228 Resp: 2719

Ion Ratio Lower Upper

228 100

226 34.0 20.8 31.2#

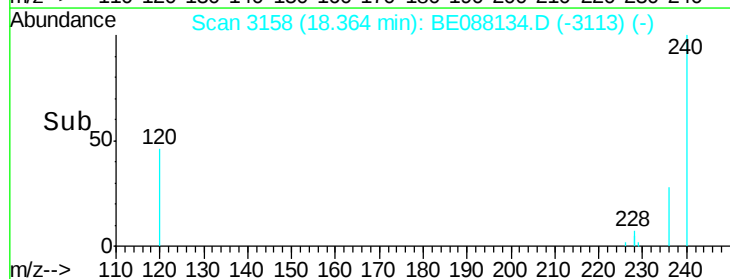
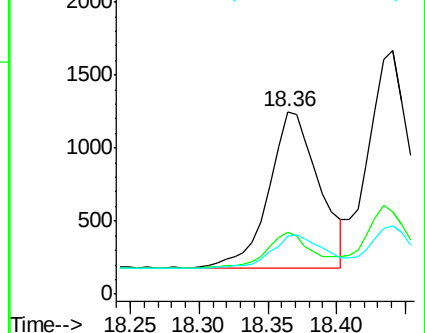
229 31.7 15.6 23.4#

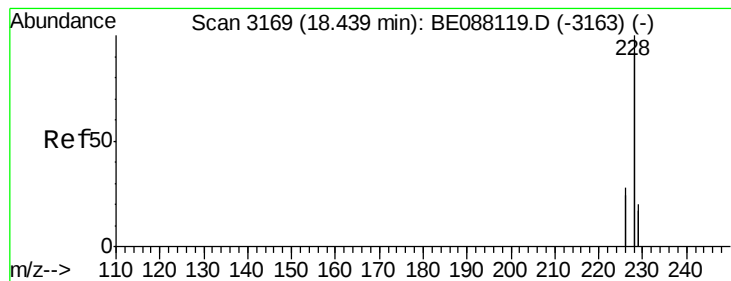


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#20

Chrysene

Concen: 0.05 ng

RT: 18.44 min Scan# 3170

Delta R.T. 0.00 min

Lab File: BE088134.D

Acq: 21 Oct 2014 10:12

Instrument :

BNA_E

ClientSampleId :

PB79718BL

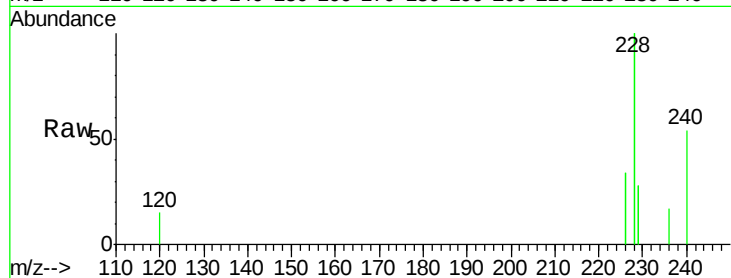
Tgt Ion:228 Resp: 3305

Ion Ratio Lower Upper

228 100

226 34.1 22.7 34.1

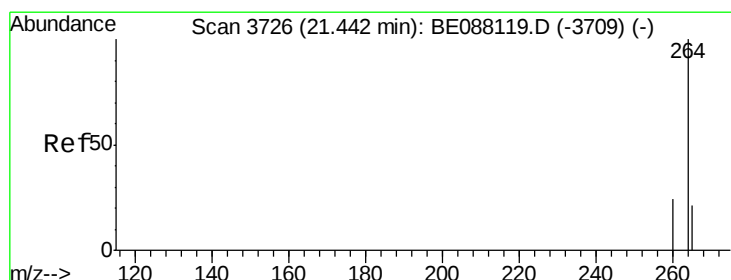
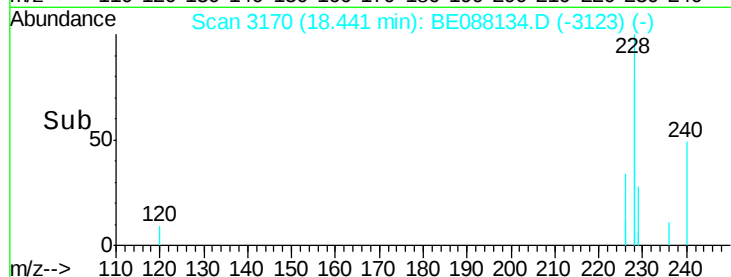
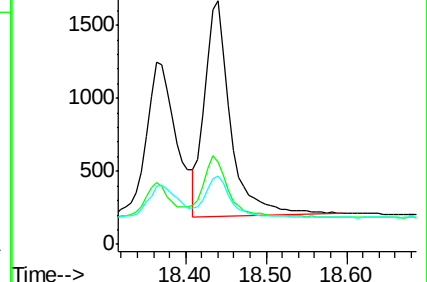
229 27.8 15.8 23.6#



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: BE088134.D

Acq: 21 Oct 2014 10:12

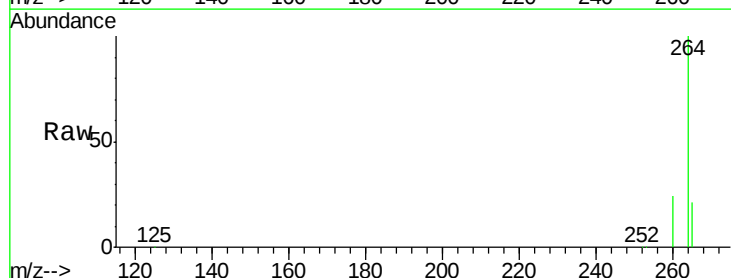
Tgt Ion:264 Resp: 65610

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.4

265 21.4 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

