

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
 Data File : BE088222.D
 Acq On : 24 Oct 2014 20:38
 Operator : TP/JJ
 Sample : PB79868BL
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB79867BL

Quant Time: Oct 27 13:13:11 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

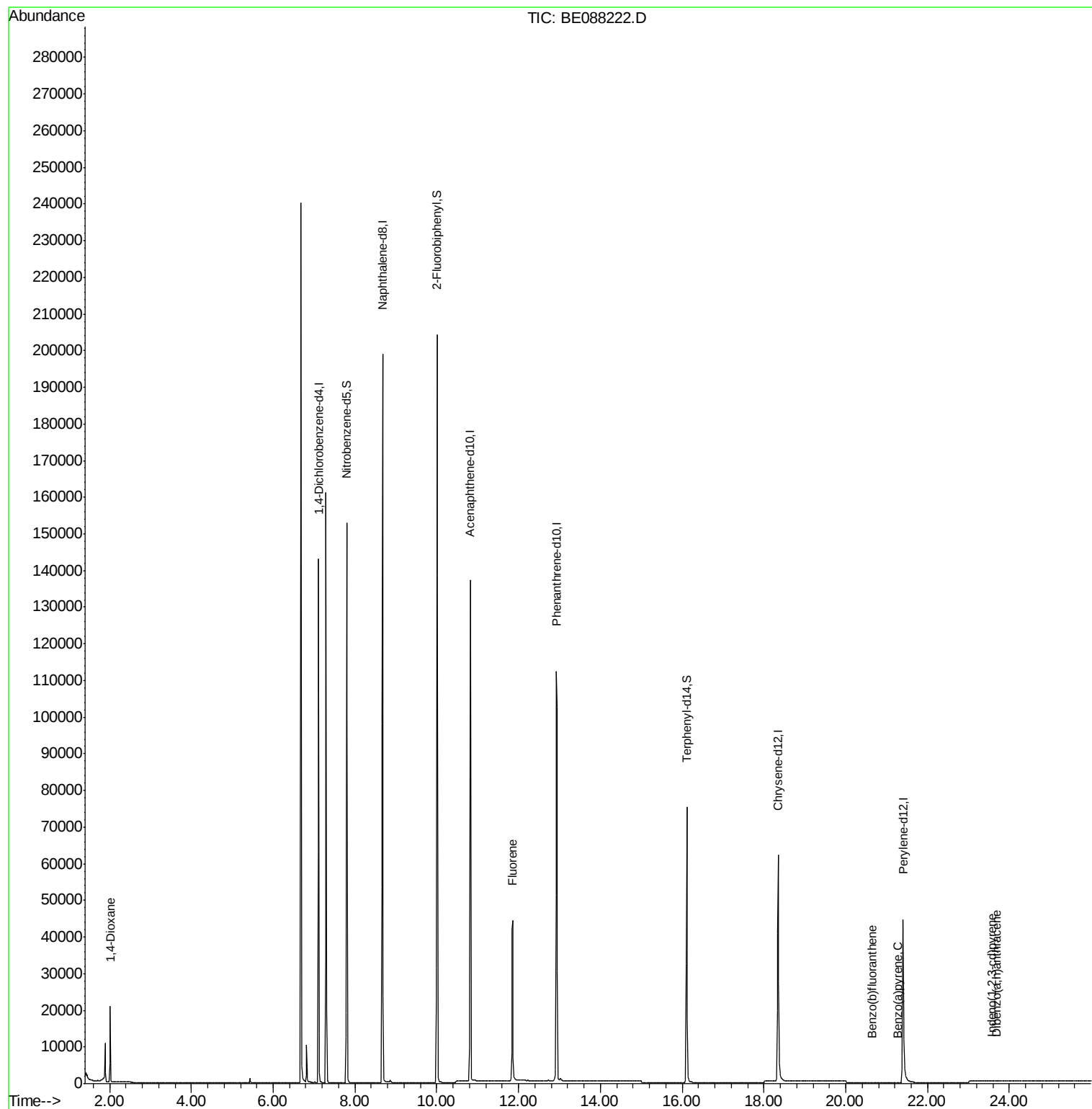
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	46215	5.00	ng	0.00
3) Naphthalene-d8	8.68	136	178406	5.00	ng	0.00
7) Acenaphthene-d10	10.82	164	84223	5.00	ng	0.00
12) Phenanthrene-d10	12.94	188	155750	5.00	ng	0.00
16) Chrysene-d12	18.35	240	79258	5.00	ng	0.00
22) Perylene-d12	21.40	264	67521	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.80	82	80325	6.07	ng	0.00
8) 2-Fluorobiphenyl	10.01	172	141326	6.02	ng	0.00
18) Terphenyl-d14	16.11	244	97225	7.49	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.02	88	621	0.10	ng	# 1
11) Fluorene	11.85	166	1617	0.08	ng	# 82
21) Indeno(1,2,3-cd)pyrene	23.56	276	74	0.24	ng	# 70
23) Benzo(b)fluoranthene	20.64	252	83	0.17	ng	# 1
25) Benzo(a)pyrene	21.27	252	26	0.17	ng	# 1
26) Dibenzo(a,h)anthracene	23.68	278	22	0.21	ng	# 1

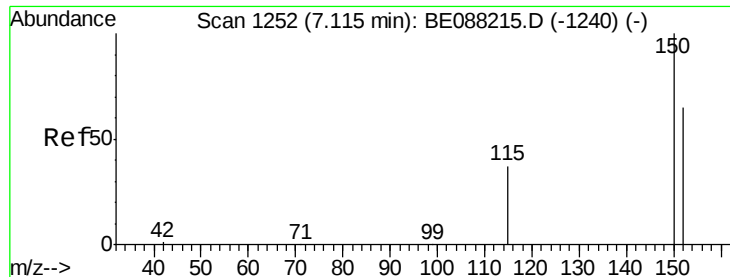
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE088222.D

Acq: 24 Oct 2014 20:38

Instrument :

BNA_E

ClientSampleId :

PB79867BL

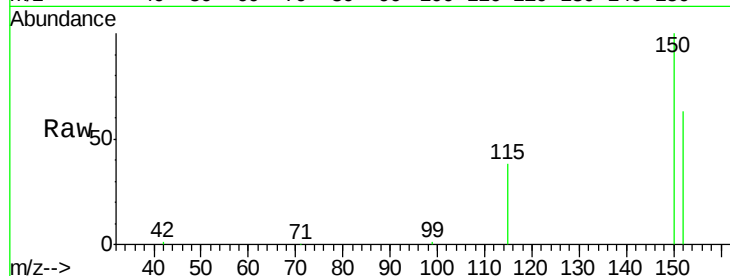
Tgt Ion:152 Resp: 46215

Ion Ratio Lower Upper

152 100

150 159.7 123.2 184.8

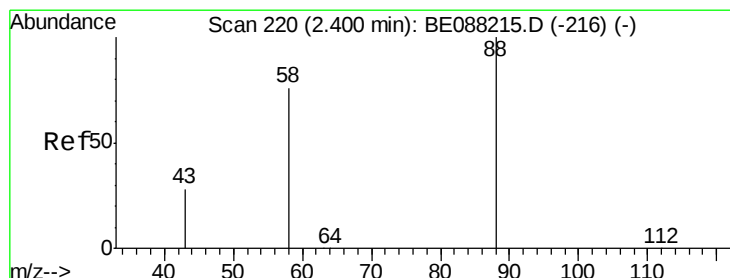
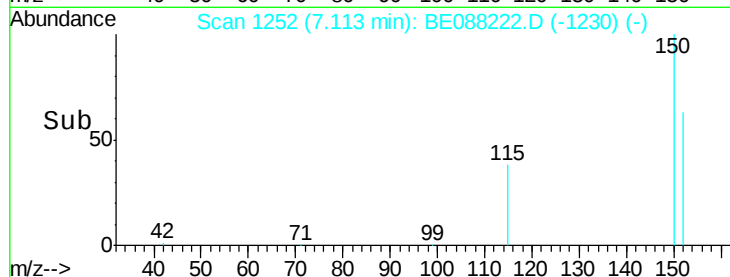
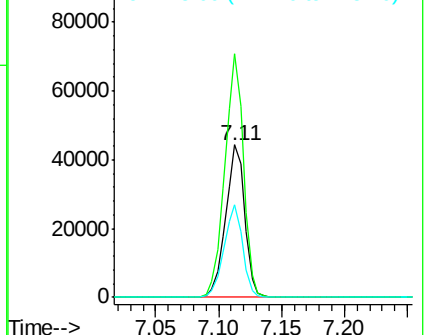
115 61.0 45.3 67.9



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: 0.10 ng

RT: 2.02 min Scan# 136

Delta R.T. -0.38 min

Lab File: BE088222.D

Acq: 24 Oct 2014 20:38

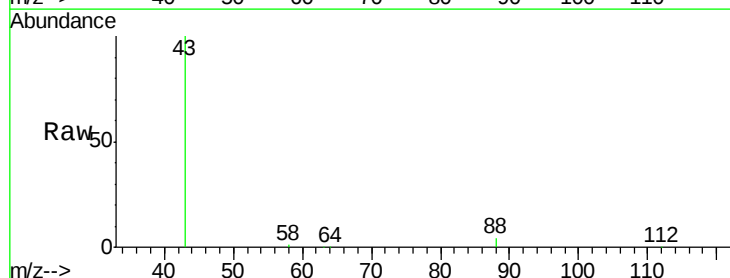
Tgt Ion: 88 Resp: 621

Ion Ratio Lower Upper

88 100

58 23.5 59.0 88.4#

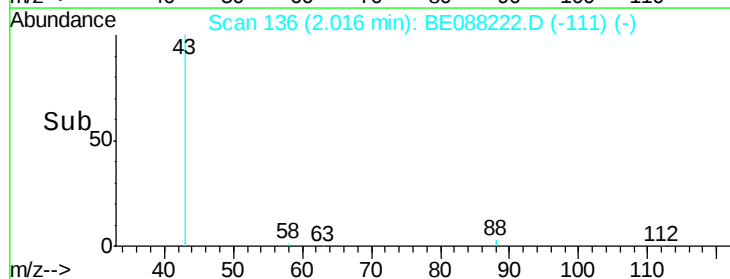
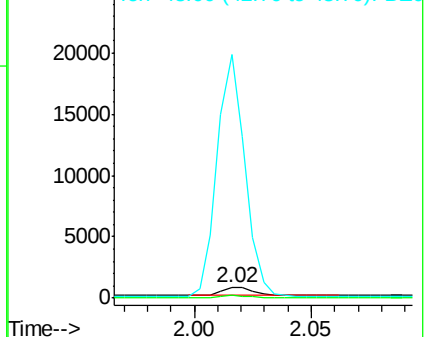
43 2645.2 21.9 32.9#

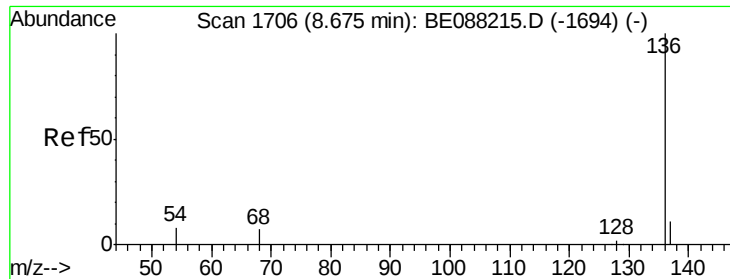


Abundance Ion 88.00 (87.70 to 88.70): BE0

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: BE088222.D

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Instrument :

BNA_E

ClientSampleId :

PB79867BL

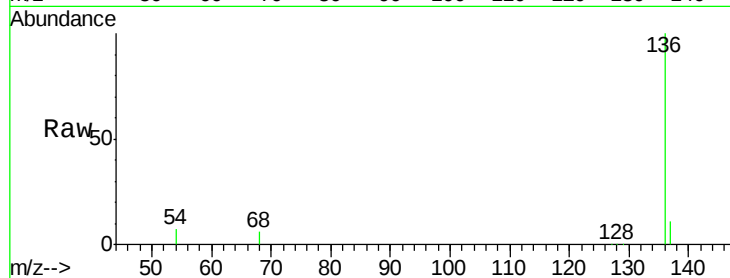
Tgt Ion:136 Resp: 178406

Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

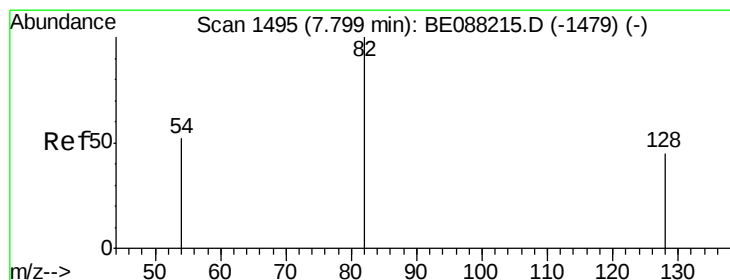
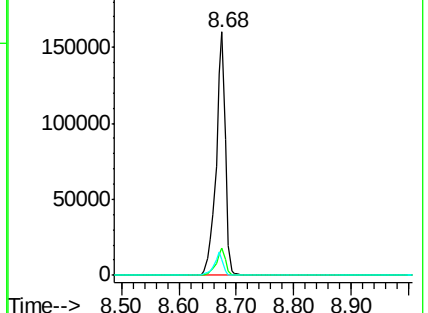
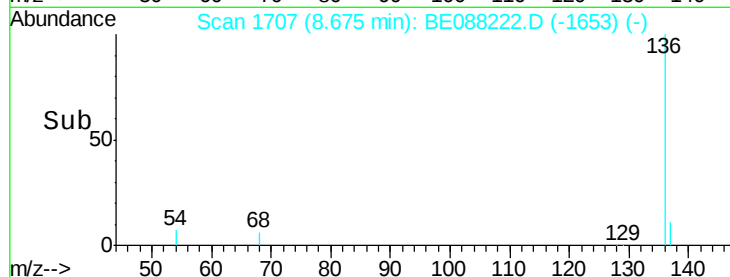
54 6.7 6.1 9.1



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: 6.07 ng

RT: 7.80 min Scan# 1496

Delta R.T. 0.00 min

Lab File: BE088222.D

Acq: 24 Oct 2014 20:38

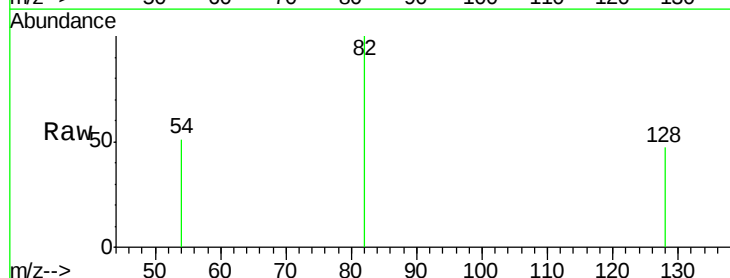
Tgt Ion: 82 Resp: 80325

Ion Ratio Lower Upper

82 100

128 46.9 36.2 54.2

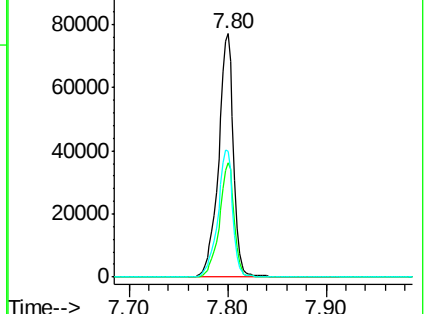
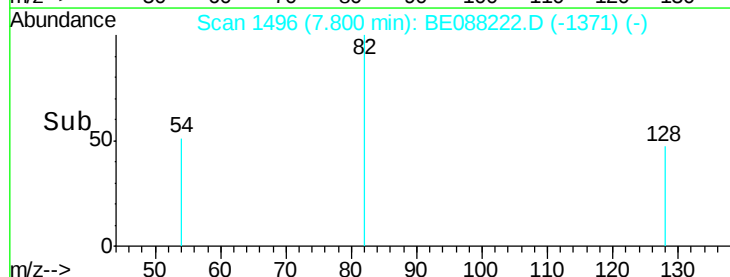
54 51.5 41.8 62.8

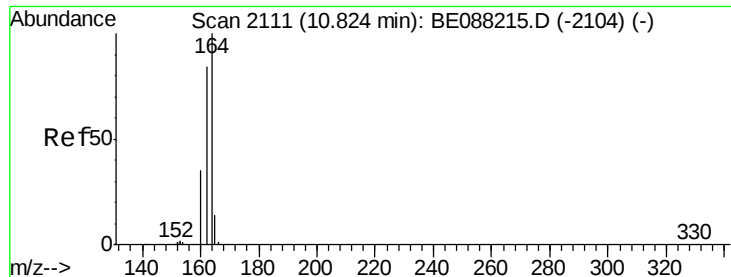


Abundance Ion 82.00 (81.70 to 82.70): BE0

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# 2112

Delta R.T. 0.00 min

Lab File: BE088222.D

Acq: 24 Oct 2014 20:38

Instrument :

BNA_E

ClientSampleId :

PB79867BL

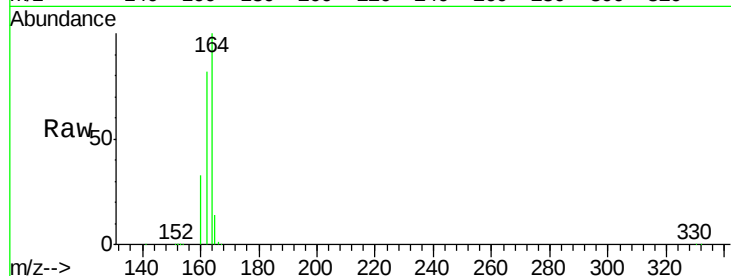
Tgt Ion:164 Resp: 84223

Ion Ratio Lower Upper

164 100

162 81.6 67.4 101.0

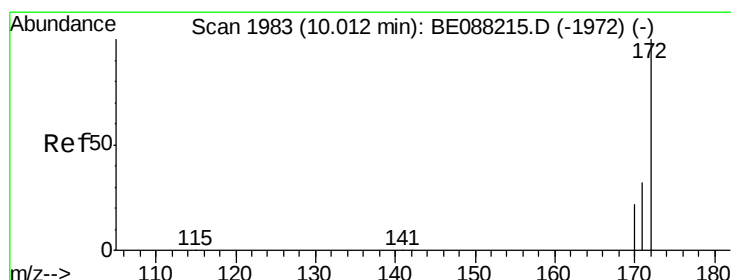
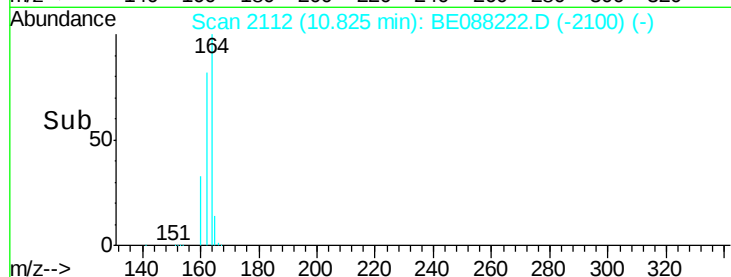
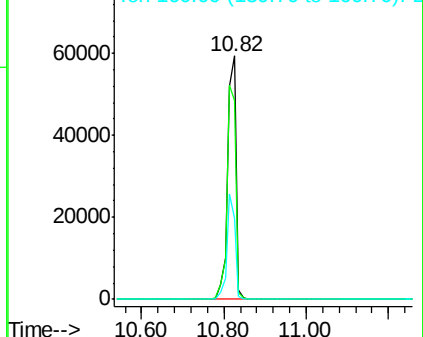
160 33.1 27.7 41.5



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: 6.02 ng

RT: 10.01 min Scan# 1984

Delta R.T. 0.00 min

Lab File: BE088222.D

Acq: 24 Oct 2014 20:38

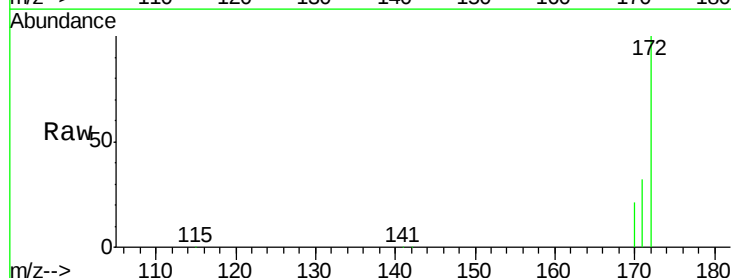
Tgt Ion:172 Resp: 141326

Ion Ratio Lower Upper

172 100

171 31.5 25.8 38.6

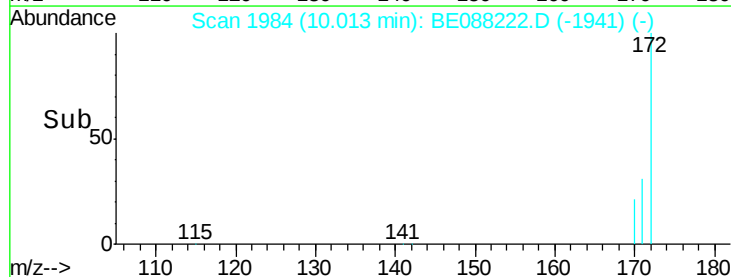
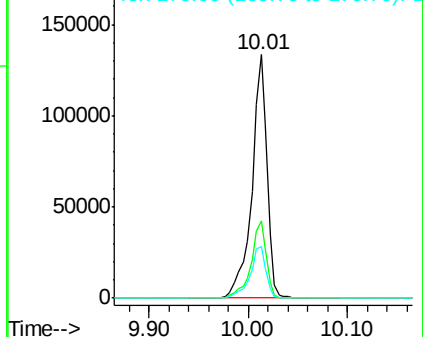
170 21.0 17.4 26.0

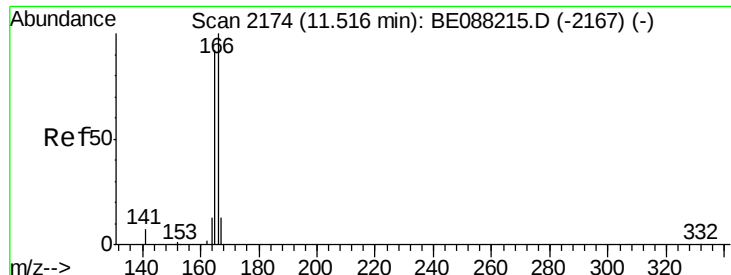


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#11

Fluorene

Concen: 0.08 ng

RT: 11.85 min Scan# 2205

Delta R.T. 0.33 min

Lab File: BE088222.D

Acq: 24 Oct 2014 20:38

Instrument :

BNA_E

ClientSampleId :

PB79867BL

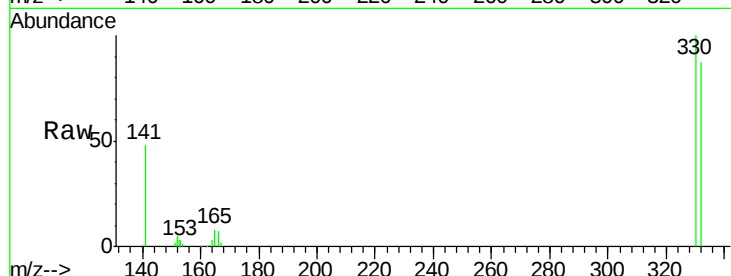
Tgt Ion:166 Resp: 1617

Ion Ratio Lower Upper

166 100

165 102.2 71.8 107.6

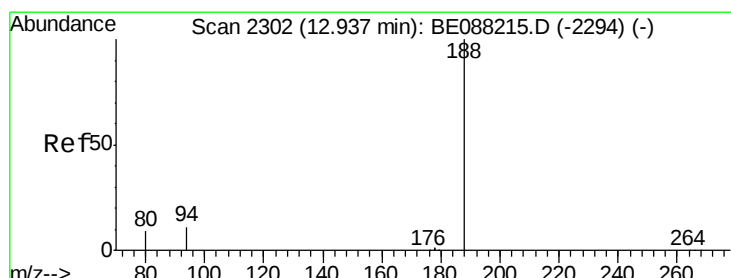
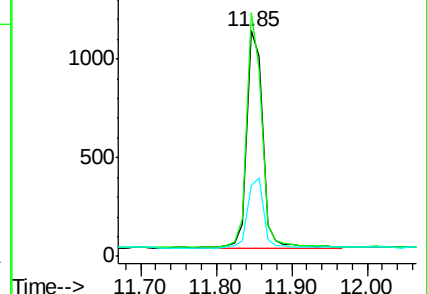
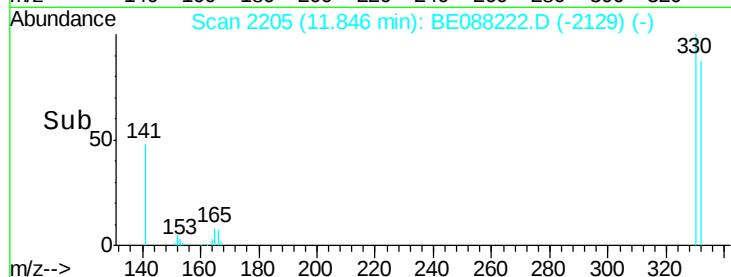
167 33.6 10.7 16.1#



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: 12.94 min Scan# 2303

Delta R.T. 0.00 min

Lab File: BE088222.D

Acq: 24 Oct 2014 20:38

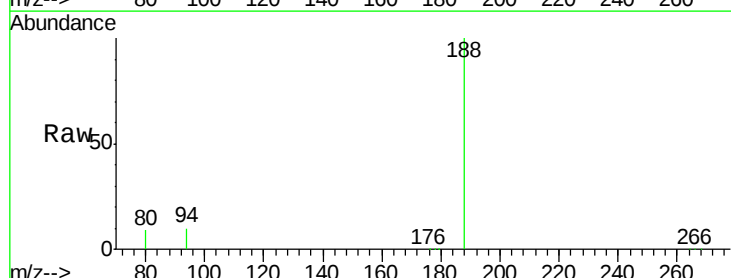
Tgt Ion:188 Resp: 155750

Ion Ratio Lower Upper

188 100

94 10.2 8.5 12.7

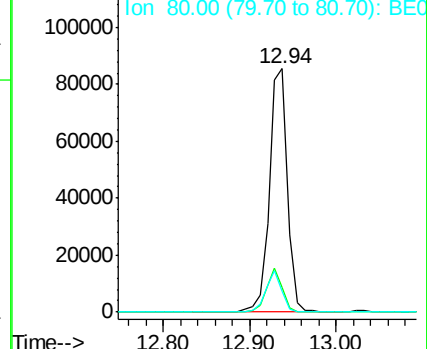
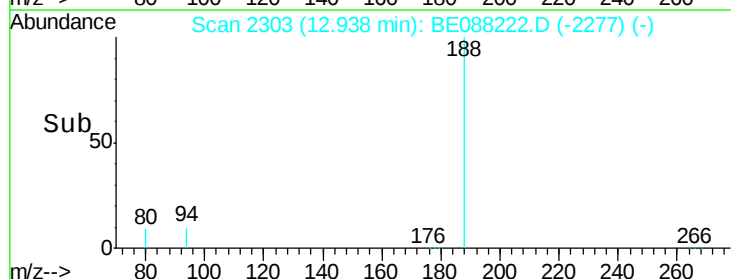
80 8.7 7.4 11.0

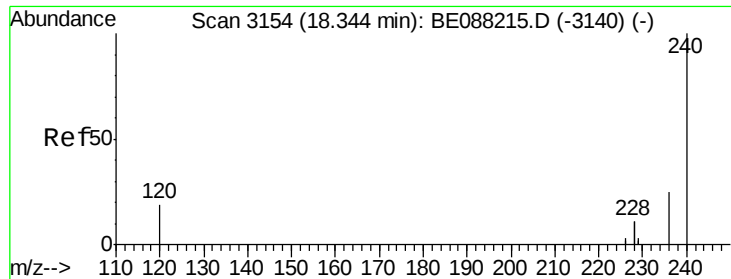


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#16

Chrysene-d12

Concen: 5.00 ng

RT: 18.35 min Scan# 3155

Delta R.T. 0.00 min

Lab File: BE088222.D

Acq: 24 Oct 2014 20:38

Instrument :

BNA_E

ClientSampled :

PB79867BL

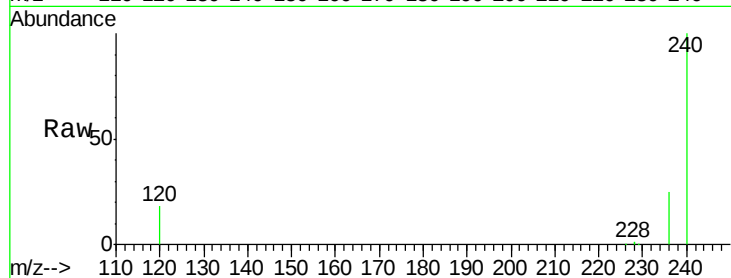
Tgt Ion:240 Resp: 79258

Ion Ratio Lower Upper

240 100

120 18.3 15.1 22.7

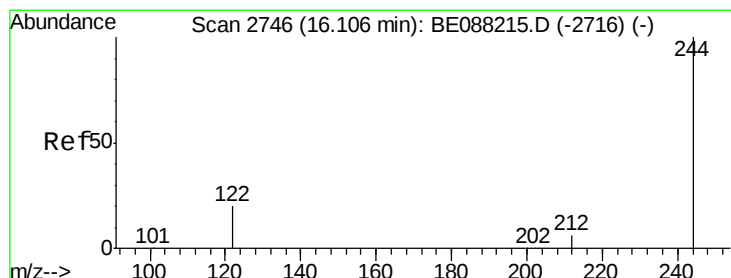
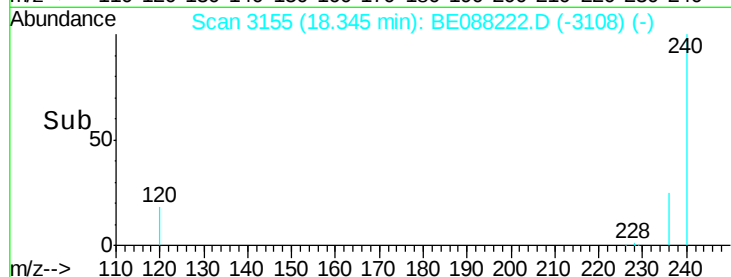
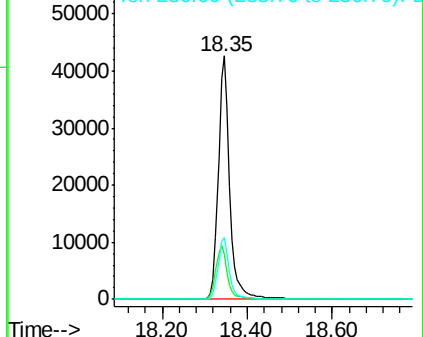
236 25.3 20.1 30.1



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: 7.49 ng

RT: 16.11 min Scan# 2748

Delta R.T. 0.00 min

Lab File: BE088222.D

Acq: 24 Oct 2014 20:38

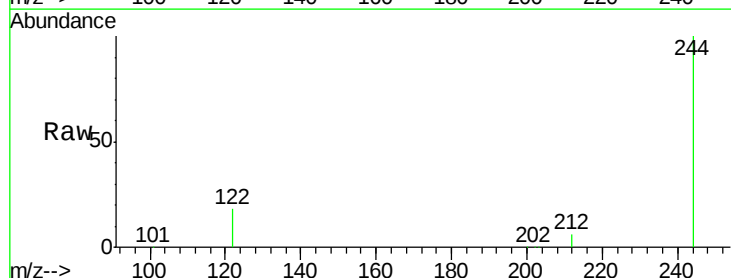
Tgt Ion:244 Resp: 97225

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

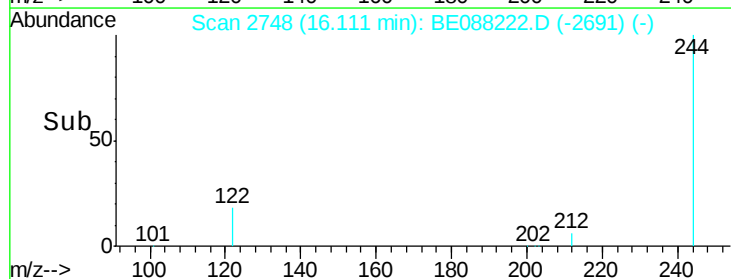
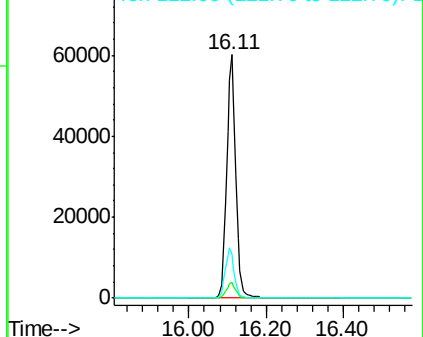
122 18.3 16.7 25.1

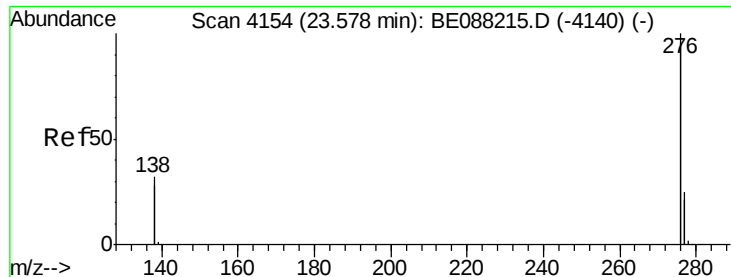


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.24 ng

RT: 23.56 min Scan# 4152

Delta R.T. -0.02 min

Lab File: BE088222.D

Acq: 24 Oct 2014 20:38

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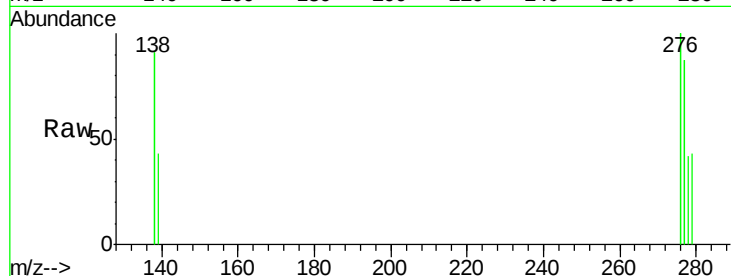
Tgt Ion: 276 Resp: 74

Ion Ratio Lower Upper

276 100

138 21.6 13.9 20.9#

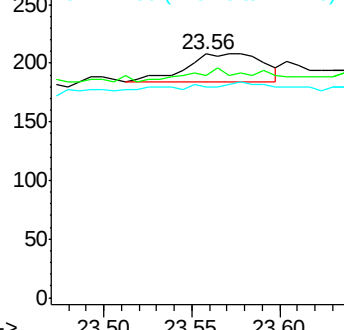
277 36.5 10.7 16.1#



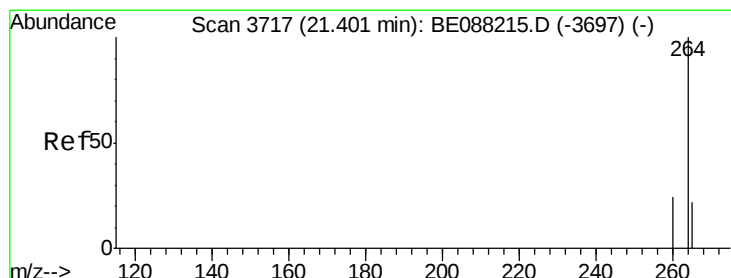
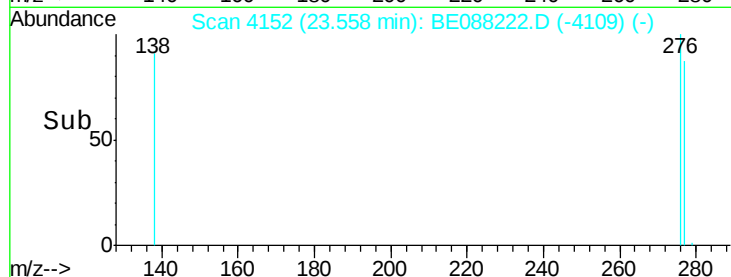
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#22

Perylene-d12

Concen: 5.00 ng

RT: 21.40 min Scan# 3718

Delta R.T. 0.00 min

Lab File: BE088222.D

Acq: 24 Oct 2014 20:38

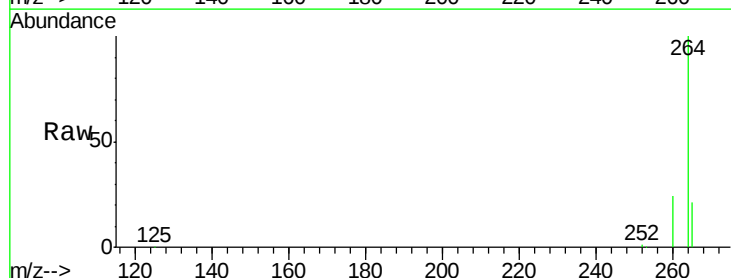
Tgt Ion: 264 Resp: 67521

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

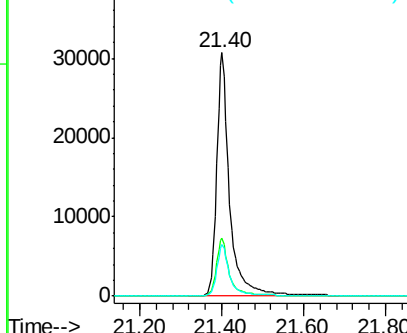
265 21.4 17.4 26.2



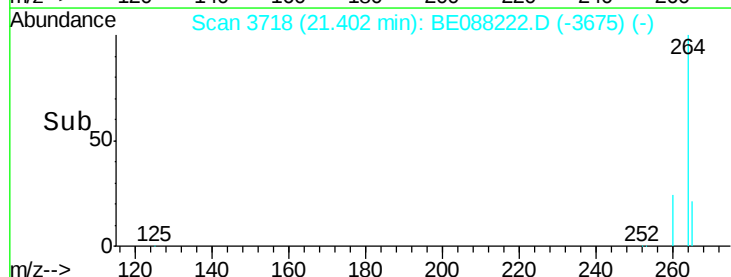
Abundance Ion 264.00 (263.70 to 264.70): E

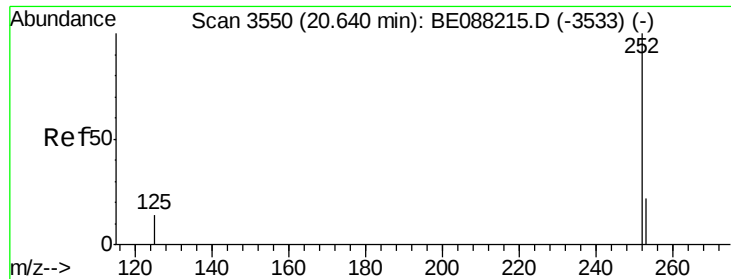
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->





#23

Benzo(b)fluoranthene

Concen: 0.17 ng

RT: 20.64 min Scan# 3551

Delta R.T. 0.00 min

Lab File: BE088222.D

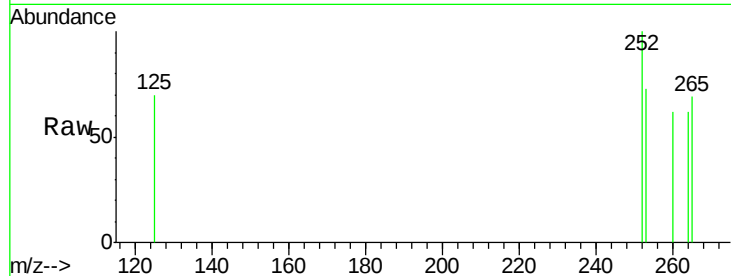
Acq: 24 Oct 2014 20:38

Instrument :

BNA_E

ClientSampleId :

PB79867BL



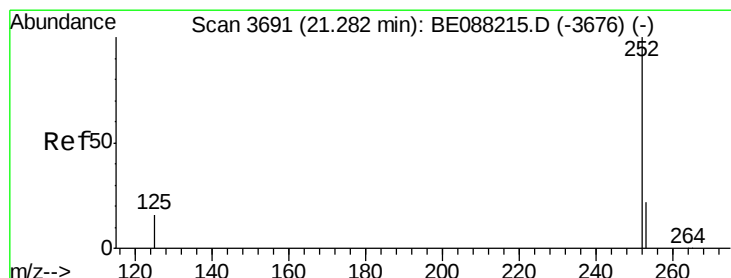
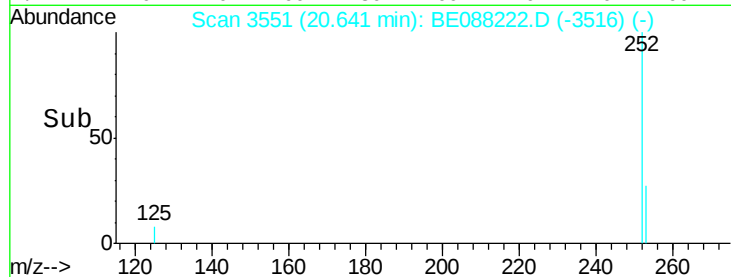
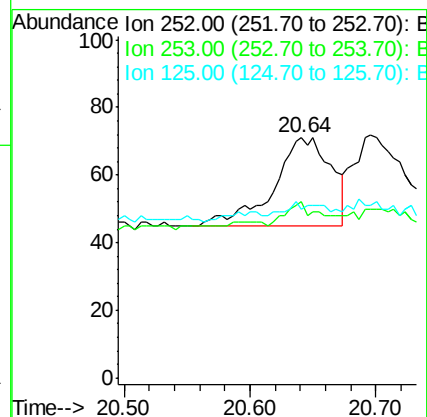
Tgt Ion: 252 Resp: 83

Ion Ratio Lower Upper

252 100

253 73.2 17.9 26.9#

125 70.4 12.2 18.2#



#25

Benzo(a)pyrene

Concen: 0.17 ng

RT: 21.27 min Scan# 3690

Delta R.T. -0.01 min

Lab File: BE088222.D

Acq: 24 Oct 2014 20:38

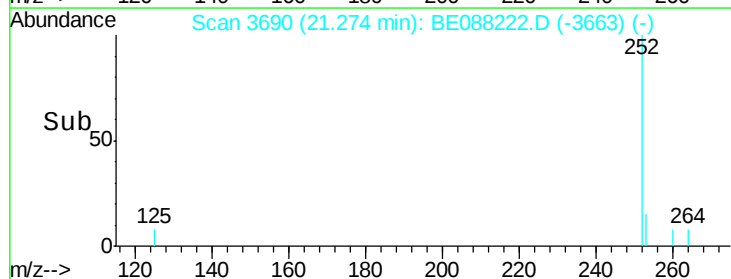
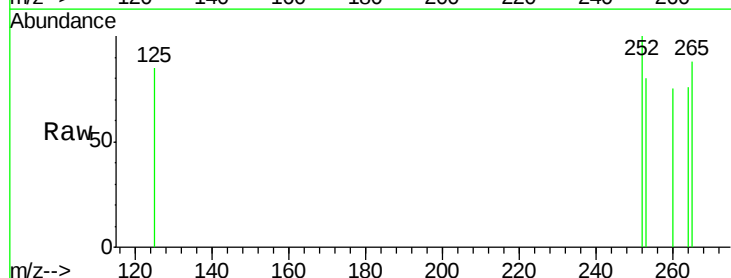
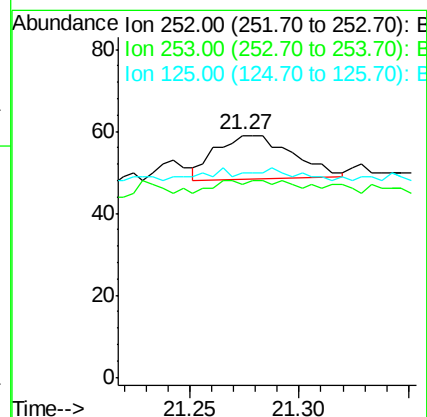
Tgt Ion: 252 Resp: 26

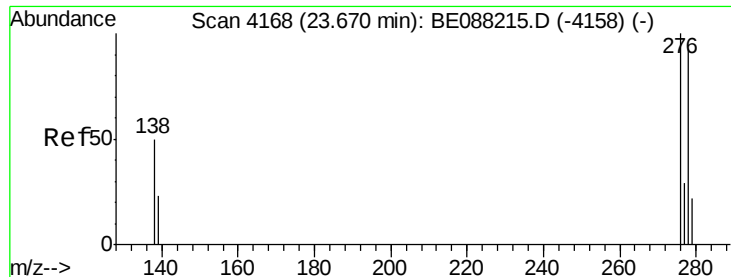
Ion Ratio Lower Upper

252 100

253 79.7 17.8 26.8#

125 84.7 13.5 20.3#





#26

Dibenzo(a,h)anthracene

Concen: 0.21 ng

RT: 23.68 min Scan# 4171

Delta R.T. 0.01 min

Lab File: BE088222.D

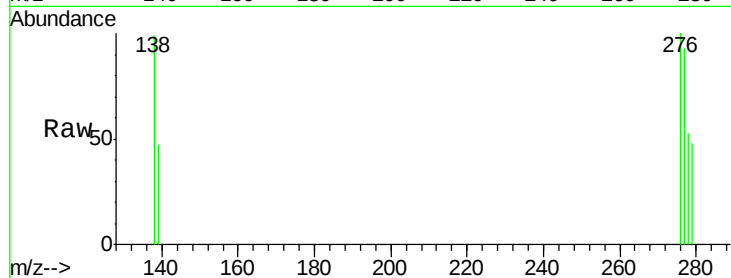
Acq: 24 Oct 2014 20:38

Instrument :

BNA_E

ClientSampleId :

PB79867BL



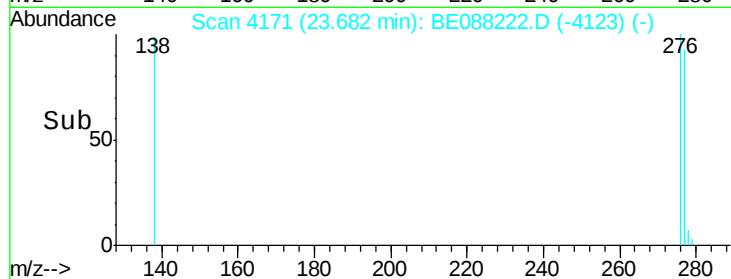
Tgt Ion: 278 Resp: 22

Ion Ratio Lower Upper

278 100

139 90.2 22.1 33.1#

279 92.2 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

