

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
 Data File : BE088217.D
 Acq On : 24 Oct 2014 17:42
 Operator : TP/JJ
 Sample : PB79823BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB79823BL

Quant Time: Oct 27 13:12:14 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

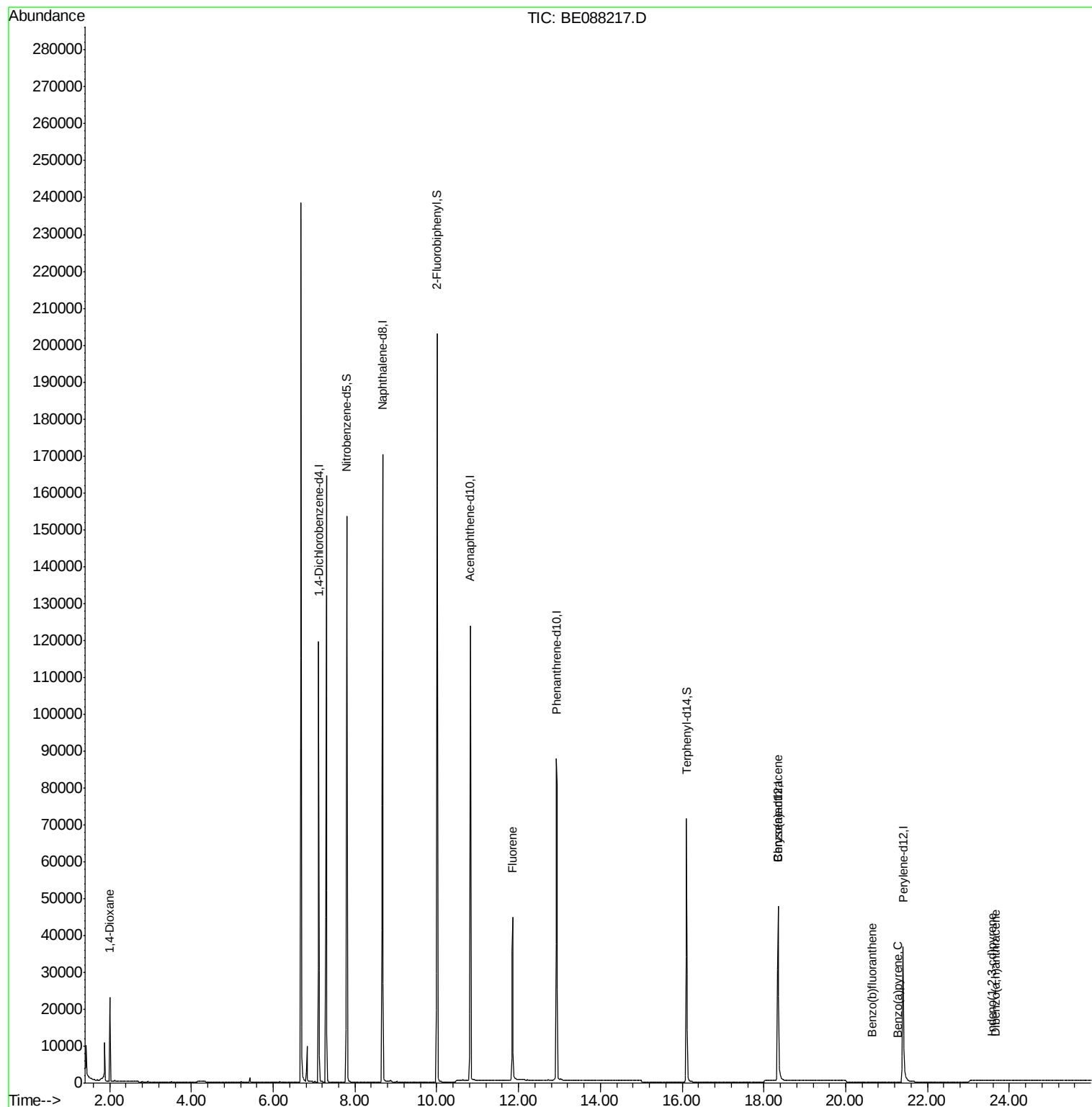
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	39413	5.00	ng	0.00
3) Naphthalene-d8	8.67	136	148919	5.00	ng	0.00
7) Acenaphthene-d10	10.82	164	67692	5.00	ng	0.00
12) Phenanthrene-d10	12.94	188	120482	5.00	ng	0.00
16) Chrysene-d12	18.34	240	61316	5.00	ng	0.00
22) Perylene-d12	21.40	264	55583	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.80	82	79782	7.19	ng	0.00
8) 2-Fluorobiphenyl	10.01	172	141218	7.48	ng	0.00
18) Terphenyl-d14	16.11	244	91554	9.12	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.01	88	711	0.13	ng	Qvalue # 1
11) Fluorene	11.86	166	1519	0.09	ng	# 81
19) Benzo(a)anthracene	18.34	228	1179	0.02	ng	# 63
21) Indeno(1,2,3-cd)pyrene	23.57	276	269	0.25	ng	# 90
23) Benzo(b)fluoranthene	20.65	252	155	0.17	ng	# 15
25) Benzo(a)pyrene	21.28	252	73	0.17	ng	# 1
26) Dibenzo(a,h)anthracene	23.66	278	44	0.21	ng	# 1

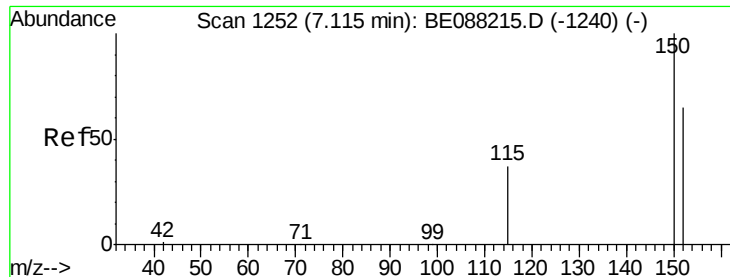
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE088217.D

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ClientSampleId :

PB79823BL

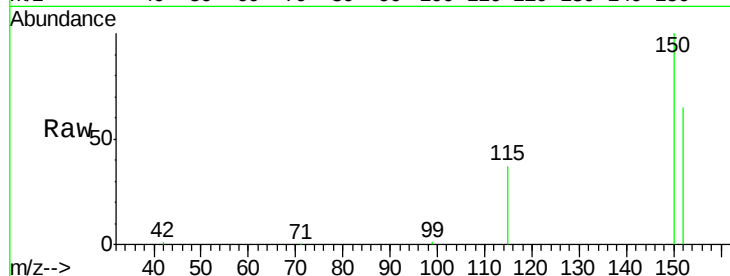
Tgt Ion:152 Resp: 39413

Ion Ratio Lower Upper

152 100

150 154.5 123.2 184.8

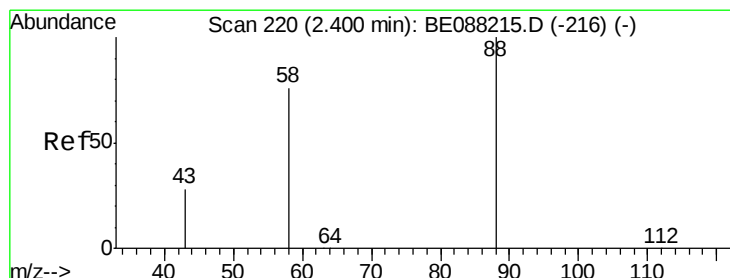
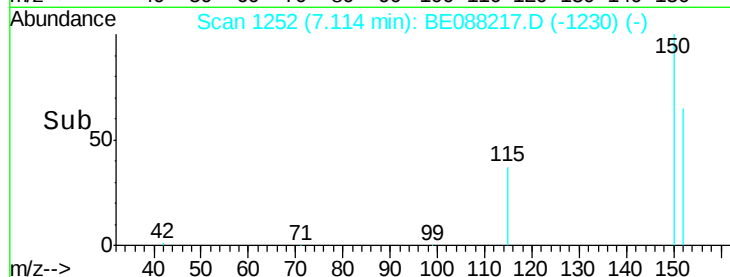
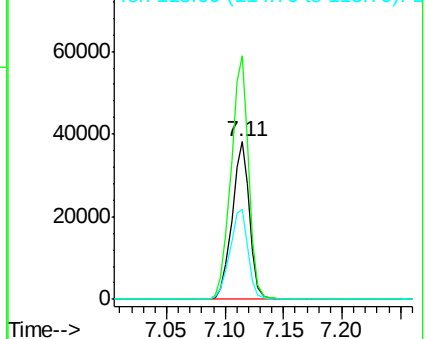
115 57.2 45.3 67.9



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: 0.13 ng

RT: 2.01 min Scan# 135

Delta R.T. -0.39 min

Lab File: BE088217.D

Acq: 24 Oct 2014 17:42

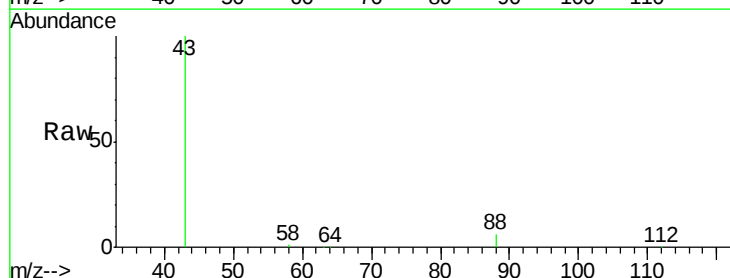
Tgt Ion: 88 Resp: 711

Ion Ratio Lower Upper

88 100

58 23.2 59.0 88.4#

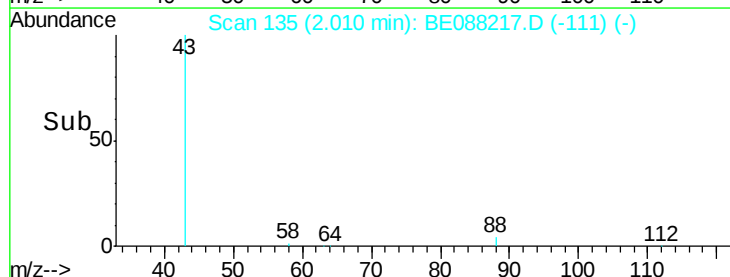
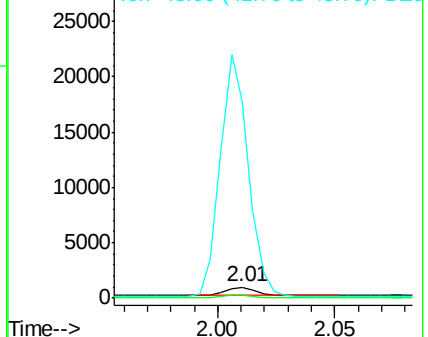
43 2577.2 21.9 32.9#

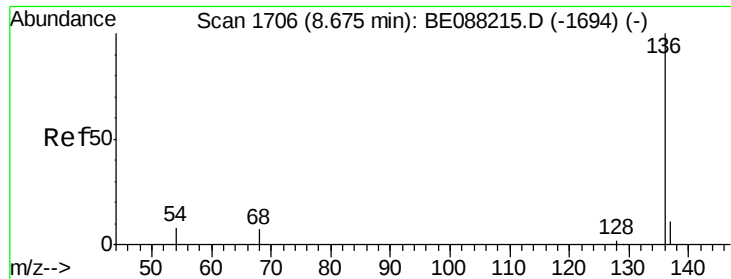


Abundance Ion 88.00 (87.70 to 88.70): BE0

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: 8.67 min Scan# 1706

Delta R.T. -0.00 min

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Acq: 24 Oct 2014 17:42

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ClientSampleId :

PB79823BL

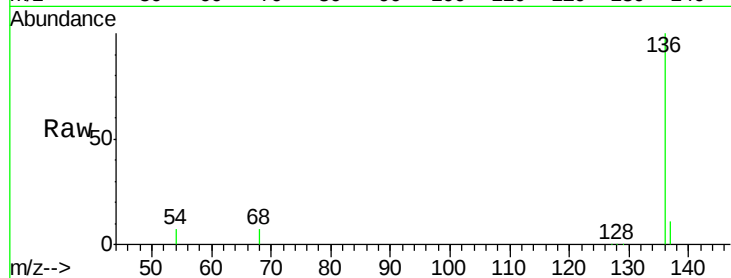
Tgt Ion: 136 Resp: 148919

Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

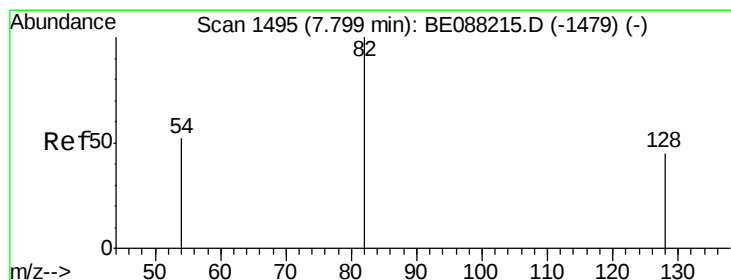
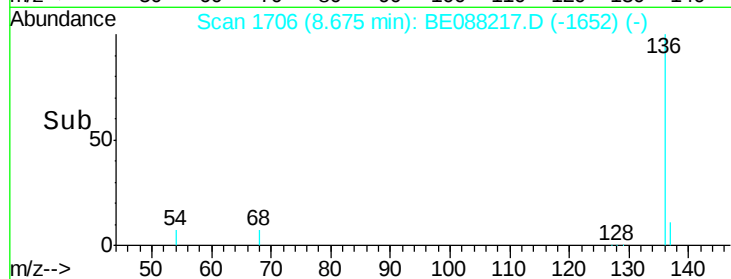
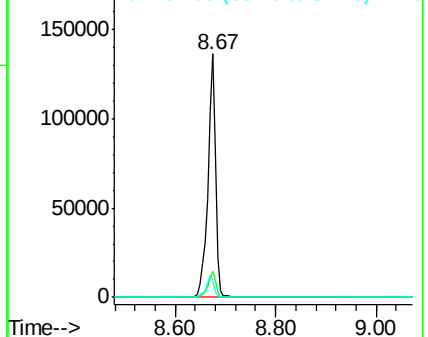
54 7.0 6.1 9.1



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: 7.19 ng

RT: 7.80 min Scan# 1496

Delta R.T. 0.00 min

Lab File: BE088217.D

Acq: 24 Oct 2014 17:42

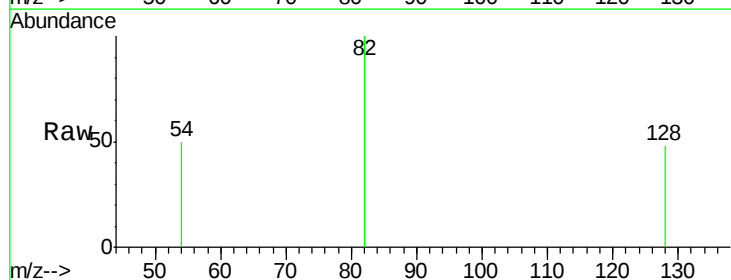
Tgt Ion: 82 Resp: 79782

Ion Ratio Lower Upper

82 100

128 48.1 36.2 54.2

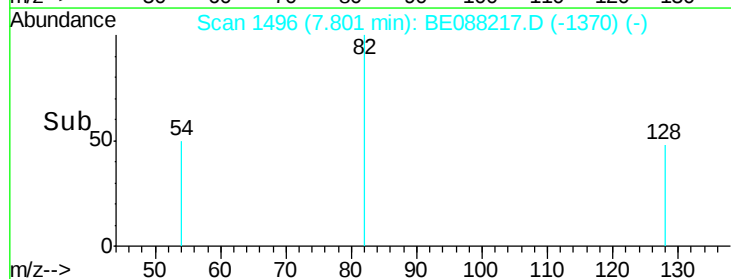
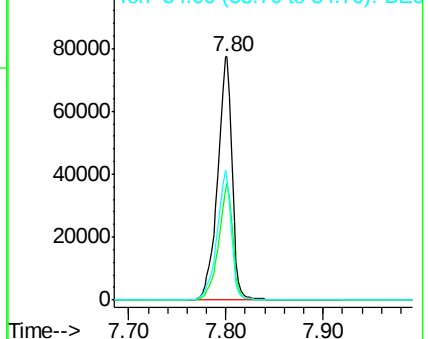
54 50.2 41.8 62.8

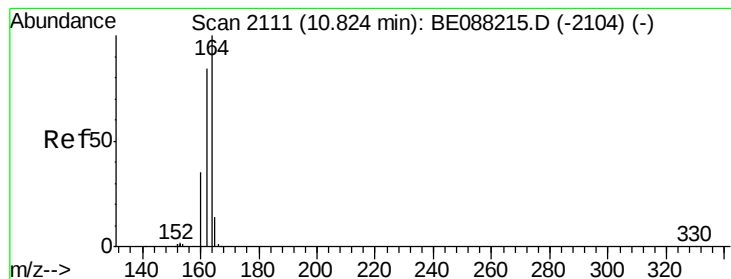


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: BE088217.D

Acq: 24 Oct 2014 17:42

Instrument :

BNA_E

ClientSampleId :

PB79823BL

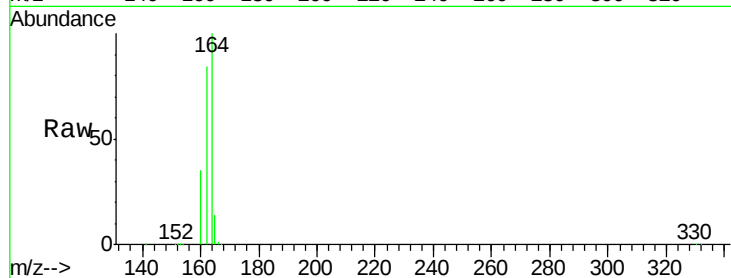
Tgt Ion:164 Resp: 67692

Ion Ratio Lower Upper

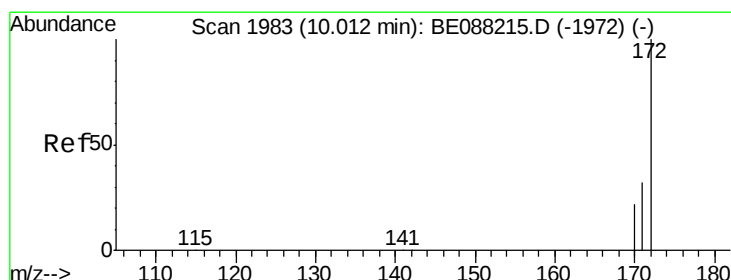
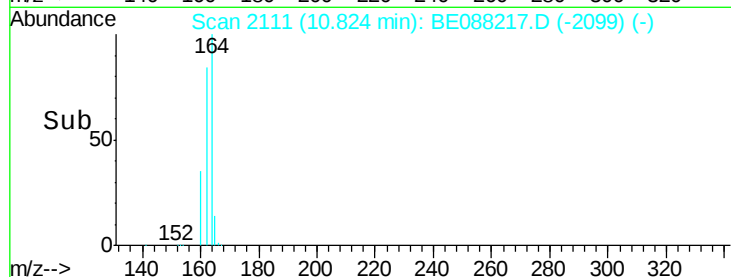
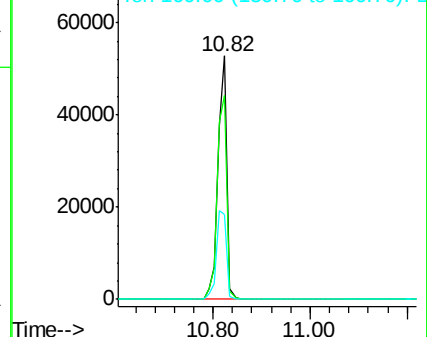
164 100

162 83.9 67.4 101.0

160 34.6 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: 7.48 ng

RT: 10.01 min Scan# 1983

Delta R.T. 0.00 min

Lab File: BE088217.D

Acq: 24 Oct 2014 17:42

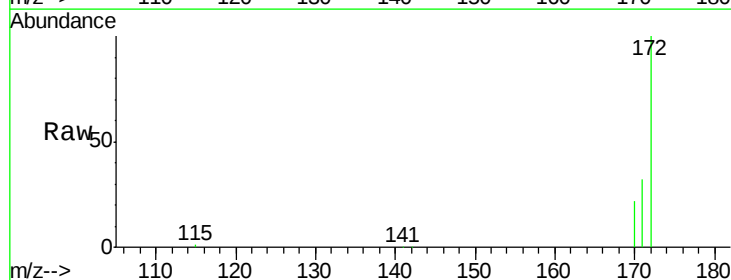
Tgt Ion:172 Resp: 141218

Ion Ratio Lower Upper

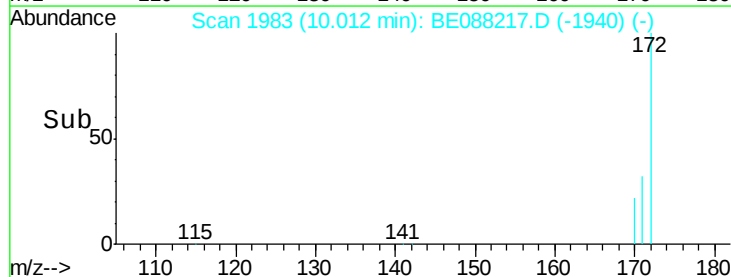
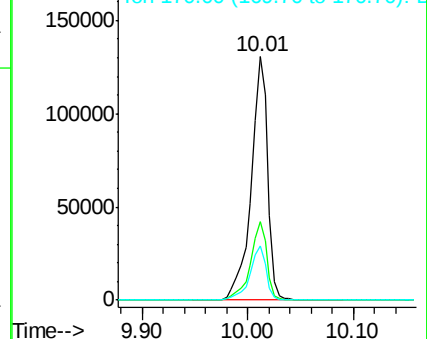
172 100

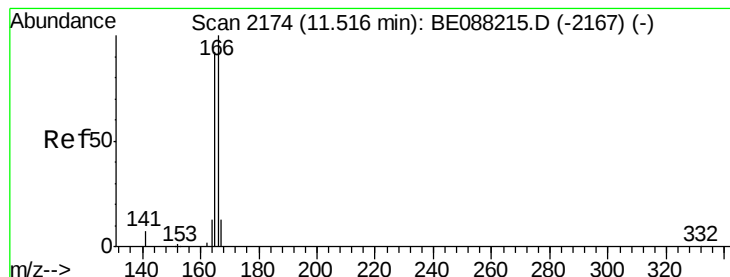
171 32.5 25.8 38.6

170 22.4 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: 0.09 ng

RT: 11.86 min Scan# 2205

Delta R.T. 0.34 min

Lab File: BE088217.D

Acq: 24 Oct 2014 17:42

Instrument :

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ClientSampleId :

PB79823BL

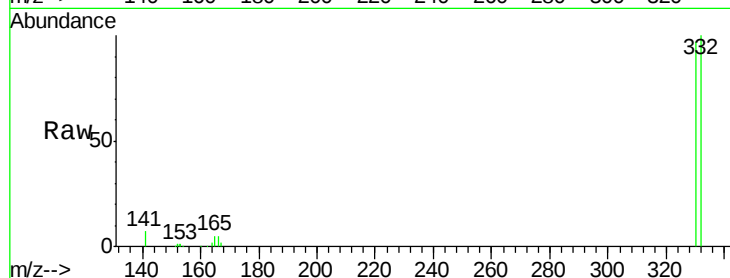
Tgt Ion:166 Resp: 1519

Ion Ratio Lower Upper

166 100

165 103.4 71.8 107.6

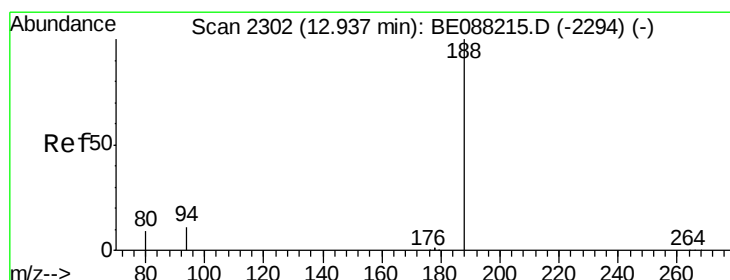
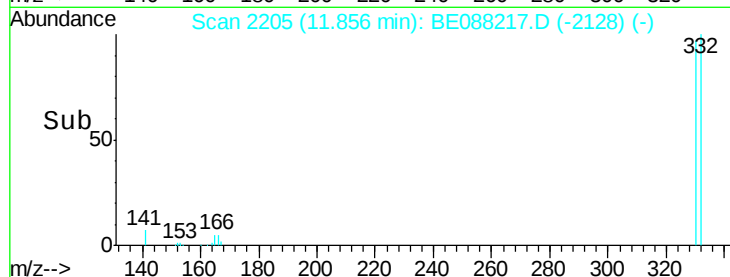
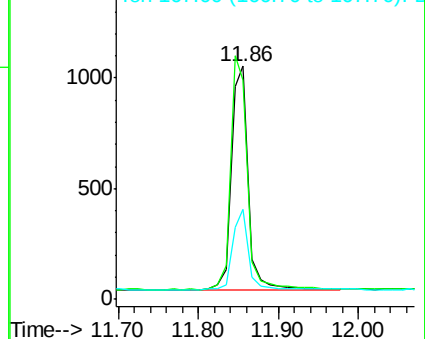
167 34.0 10.7 16.1#



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: 12.94 min Scan# 2302

Delta R.T. 0.00 min

Lab File: BE088217.D

Acq: 24 Oct 2014 17:42

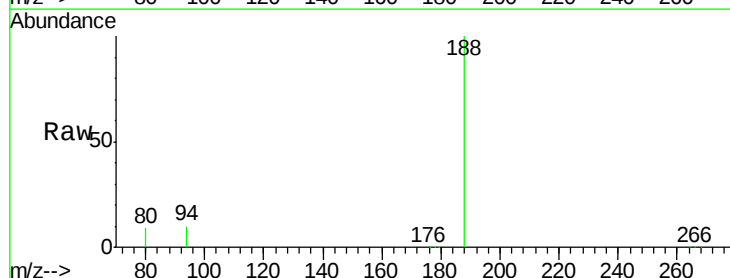
Tgt Ion:188 Resp: 120482

Ion Ratio Lower Upper

188 100

94 10.4 8.5 12.7

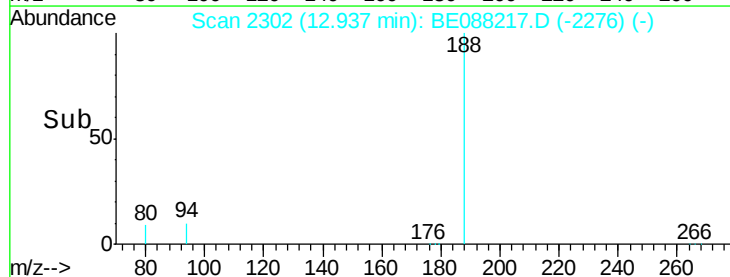
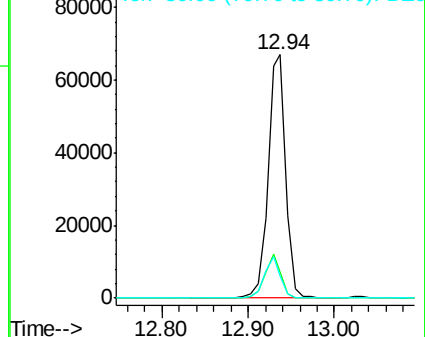
80 9.1 7.4 11.0

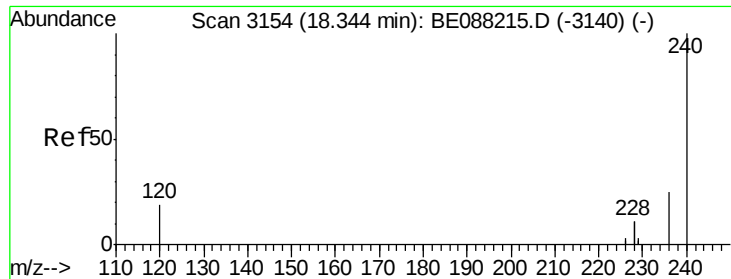


Abundance Ion 188.00 (187.70 to 188.70): E

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: 18.34 min Scan# 3154

Delta R.T. -0.00 min

Lab File: BE088217.D

Acq: 24 Oct 2014 17:42

Instrument :

BNA_E

ClientSampleId :

PB79823BL

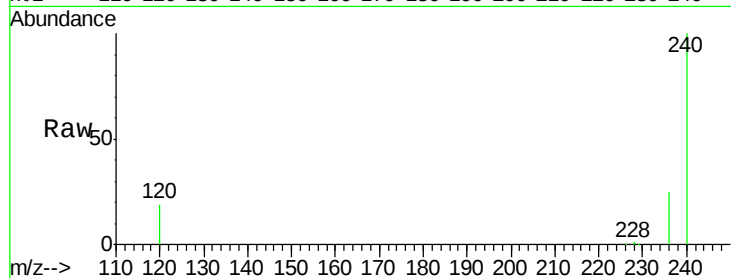
Tgt Ion:240 Resp: 61316

Ion Ratio Lower Upper

240 100

120 18.9 15.1 22.7

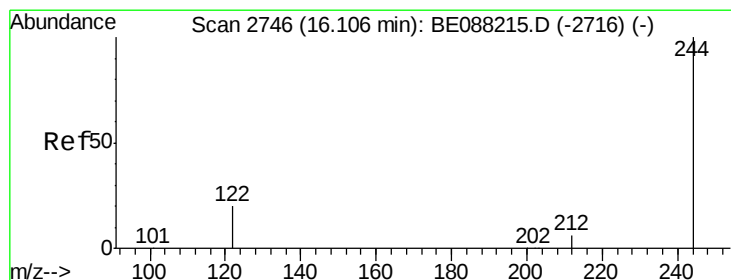
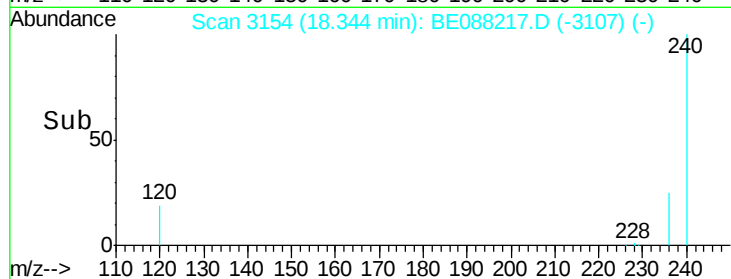
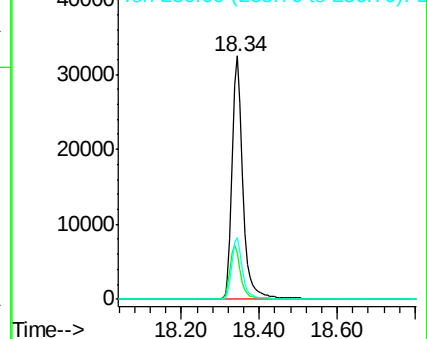
236 25.2 20.1 30.1



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: 9.12 ng

RT: 16.11 min Scan# 2747

Delta R.T. 0.01 min

Lab File: BE088217.D

Acq: 24 Oct 2014 17:42

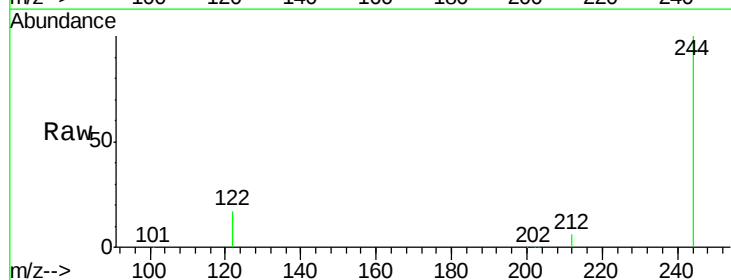
Tgt Ion:244 Resp: 91554

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.2

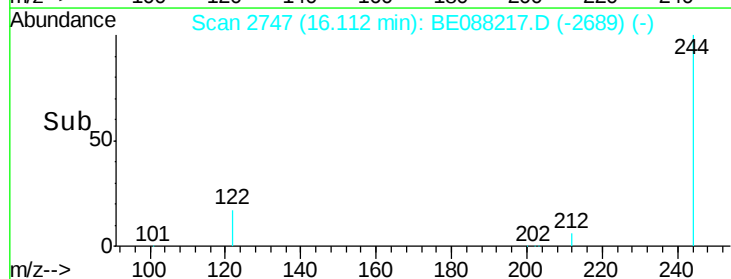
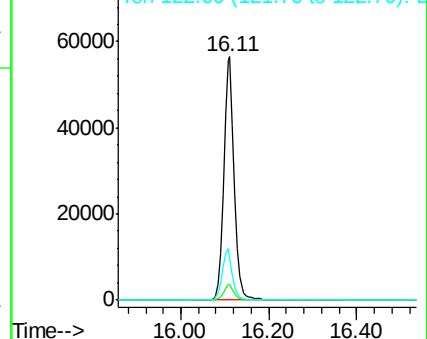
122 16.7 16.7 25.1

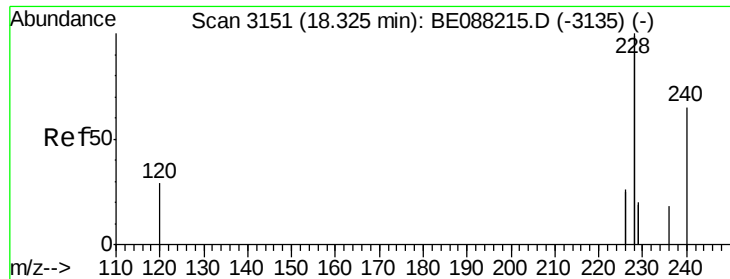


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#19

Benzo(a)anthracene

Concen: 0.02 ng

RT: 18.34 min Scan# 3153

Delta R.T. 0.01 min

Lab File: BE088217.D

Acq: 24 Oct 2014 17:42

Instrument :

BNA_E

ClientSampleId :

PB79823BL

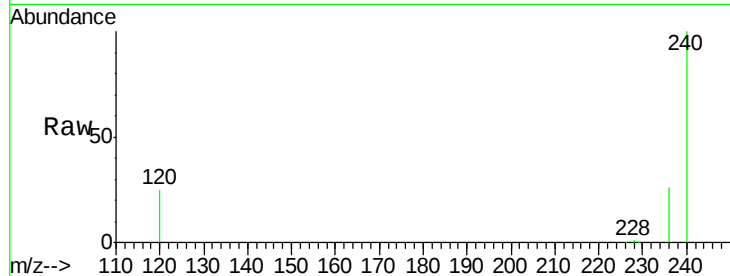
Tgt Ion:228 Resp: 1179

Ion Ratio Lower Upper

228 100

226 38.2 20.5 30.7#

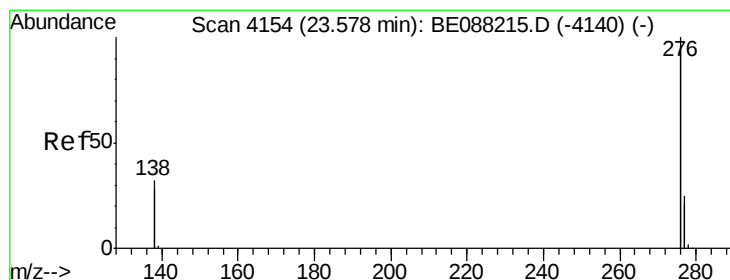
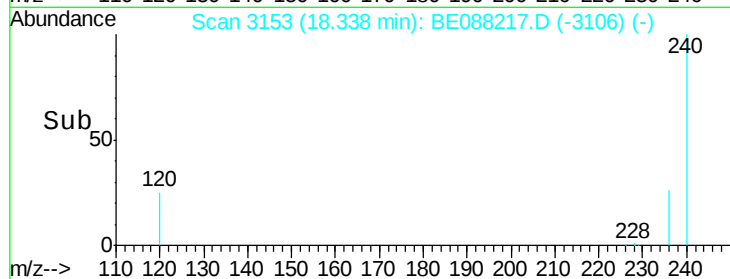
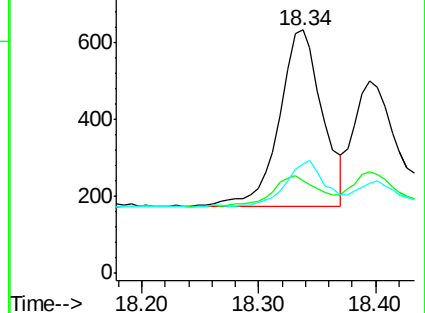
229 44.8 16.1 24.1#



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



#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: BE088217.D

Acq: 24 Oct 2014 17:42

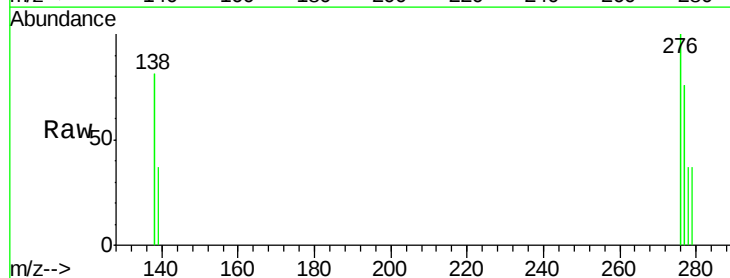
Tgt Ion:276 Resp: 269

Ion Ratio Lower Upper

276 100

138 11.5 13.9 20.9#

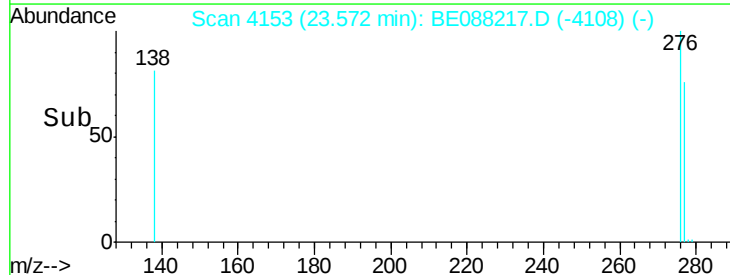
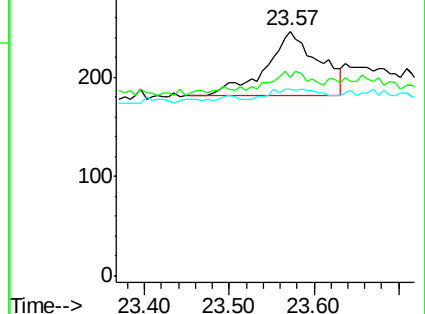
277 15.2 10.7 16.1

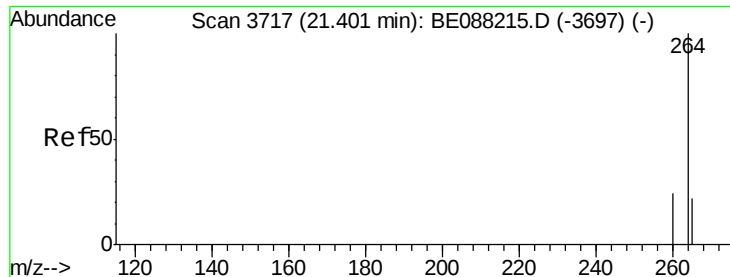


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

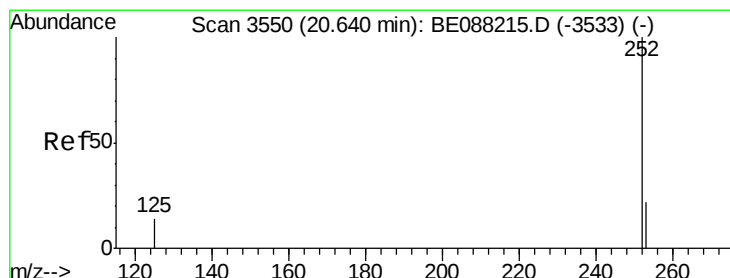
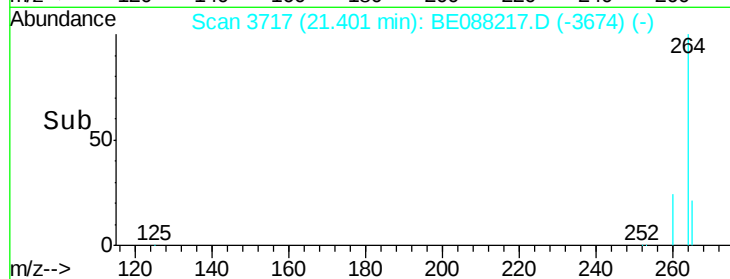
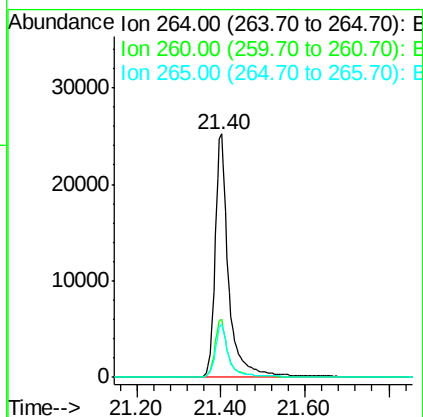
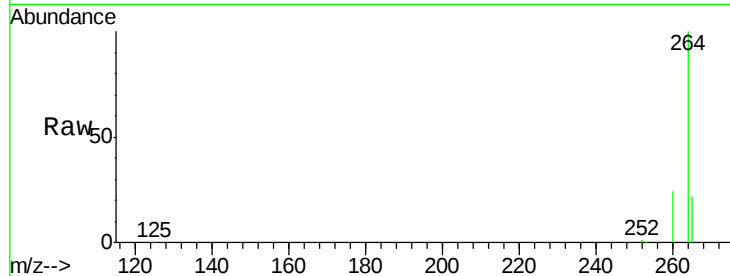




#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.40 min Scan# 3717
 Delta R.T. 0.00 min
 Lab File: BE088217.D
 Acq: 24 Oct 2014 17:42

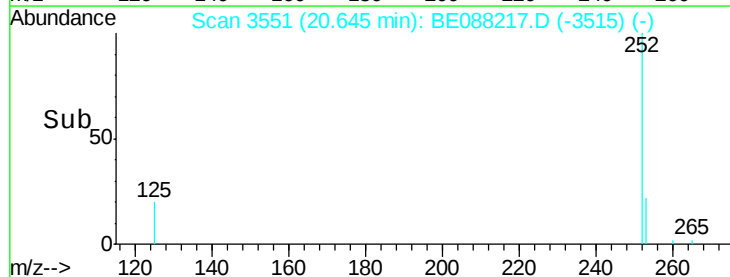
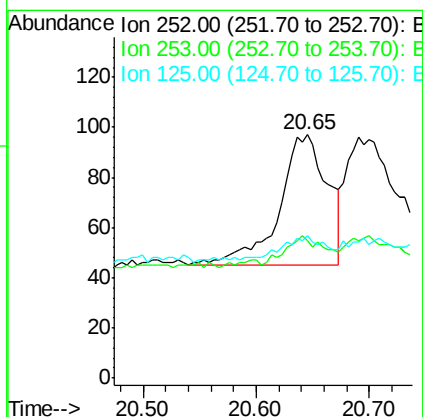
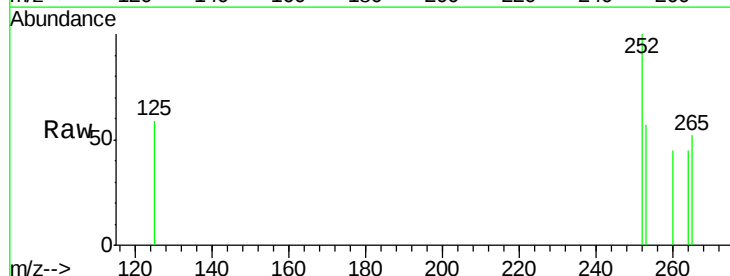
Instrument :
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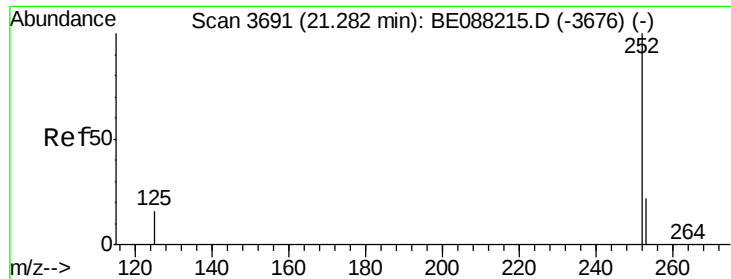
Tgt Ion:264 Resp: 55583
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.0 28.4
 265 21.6 17.4 26.2



#23
 Benzo(b)fluoranthene
 Concen: 0.17 ng
 RT: 20.65 min Scan# 3551
 Delta R.T. 0.00 min
 Lab File: BE088217.D
 Acq: 24 Oct 2014 17:42

Tgt Ion:252 Resp: 155
 Ion Ratio Lower Upper
 252 100
 253 56.7 17.9 26.9#
 125 58.8 12.2 18.2#





#25

Benzo(a)pyrene

Concen: 0.17 ng

RT: 21.28 min Scan# 3691

Delta R.T. 0.00 min

Lab File: BE088217.D

Acq: 24 Oct 2014 17:42

Instrument :

BNA_E

ClientSampleId :

PB79823BL

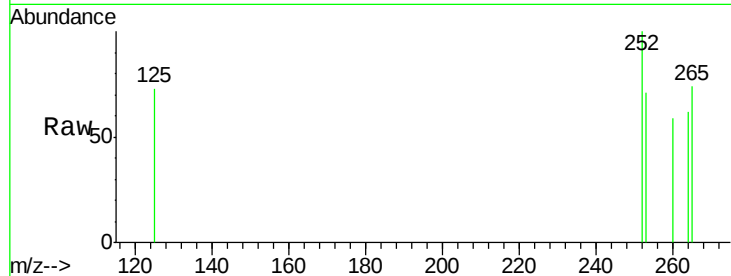
Tgt Ion: 252 Resp: 73

Ion Ratio Lower Upper

252 100

253 71.2 17.8 26.8#

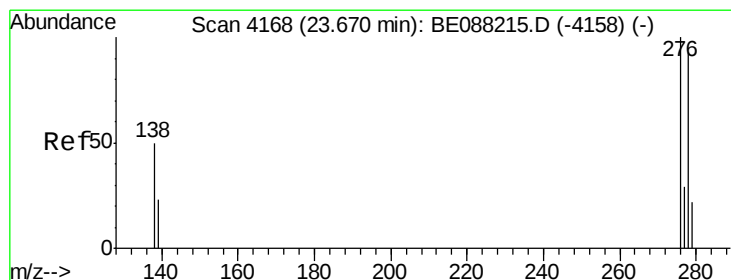
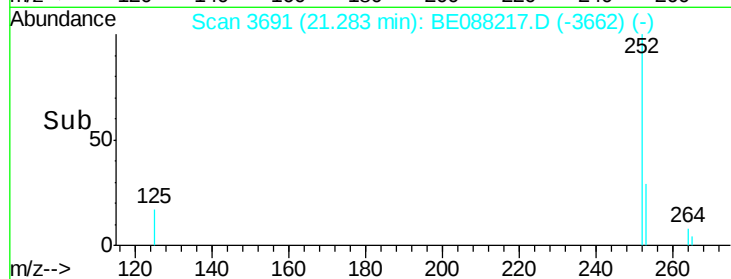
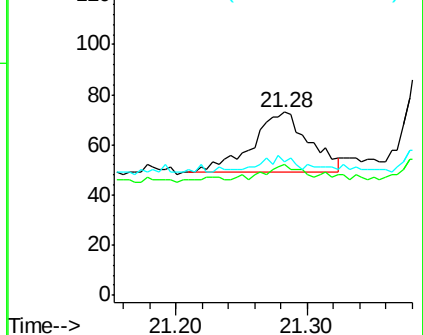
125 72.6 13.5 20.3#



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: BE088217.D

Acq: 24 Oct 2014 17:42

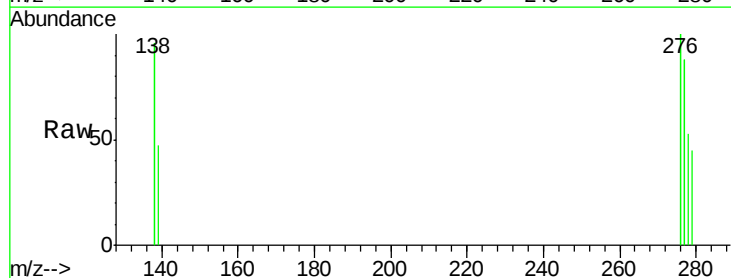
Tgt Ion: 278 Resp: 44

Ion Ratio Lower Upper

278 100

139 87.5 22.1 33.1#

279 83.9 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

