

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080715\
 Data File : BE090403.D
 Acq On : 7 Aug 2015 18:28
 Operator : TP/UM
 Sample : PB84793BL
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB84793BL

Quant Time: Aug 07 23:05:19 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 06 12:28:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	17897	5.00	ng	0.00
6) Naphthalene-d8	10.35	136	75984	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	43550	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	111411	5.00	ng	0.00
25) Chrysene-d12	21.10	240	122933	5.00	ng	0.00
32) Perylene-d12	23.40	264	102528	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	24186	9.01	ng	0.00
5) Phenol-d6	6.77	99	35696	6.19	ng	-0.01
7) Nitrobenzene-d5	8.74	82	21416	3.52	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	4903	4.63	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	53242	4.44	ng	0.00
27) Terphenyl-d14	19.56	244	96001	5.30	ng	0.00

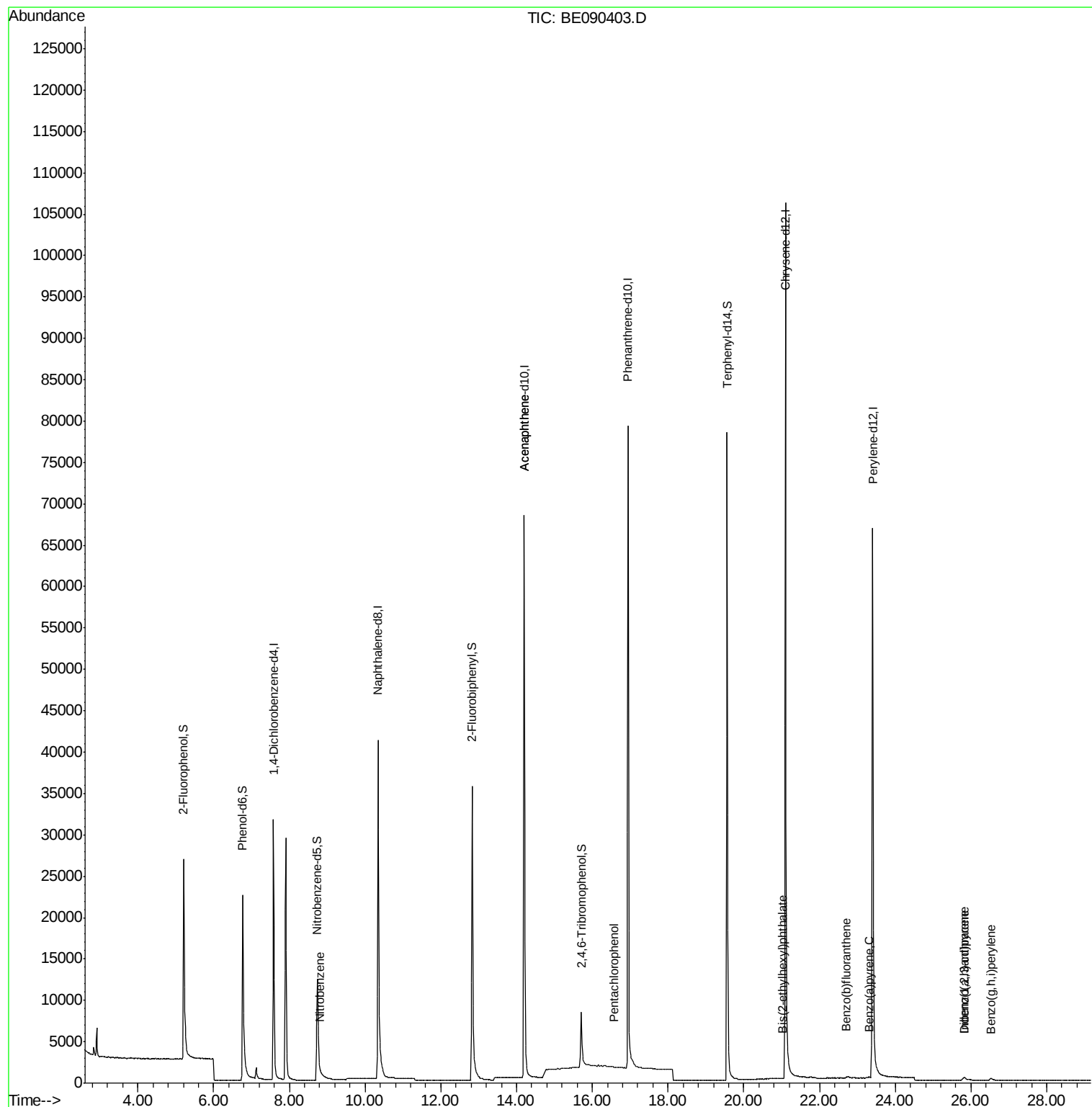
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.25	88	38	Below Cal	#	28
8) Nitrobenzene	8.81	77	8	0.21 ng	#	67
10) Hexachlorobutadiene	10.68	225	4	Below Cal	#	52
16) Acenaphthene	14.20	154	252	0.02 ng	#	1
21) Pentachlorophenol	16.58	266	7	0.10 ng	#	68
30) Bis(2-ethylhexyl)phthalate	21.03	149	50	0.12 ng	#	90
31) Indeno(1,2,3-cd)pyrene	25.81	276	799	0.28 ng	#	58
33) Benzo(b)fluoranthene	22.71	252	304	0.21 ng	#	22
35) Benzo(a)pyrene	23.30	252	333	0.24 ng	#	28
36) Dibenzo(a,h)anthracene	25.82	278	554	0.31 ng	#	42
37) Benzo(g,h,i)perylene	26.53	276	584	0.03 ng	#	65

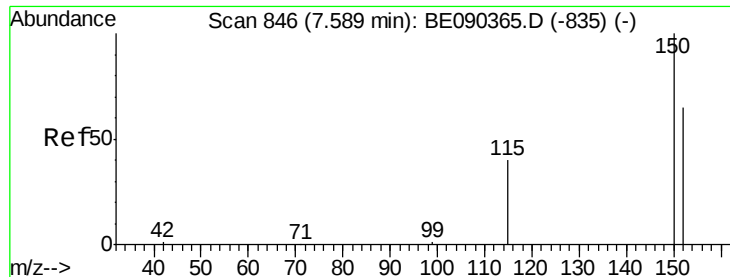
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.59 min Scan# 846

Delta R.T. -0.00 min

Lab File: BE090403.D

Acq: 7 Aug 2015 18:28

Instrument :

BNA_E

ClientSampleId :

PB84793BL

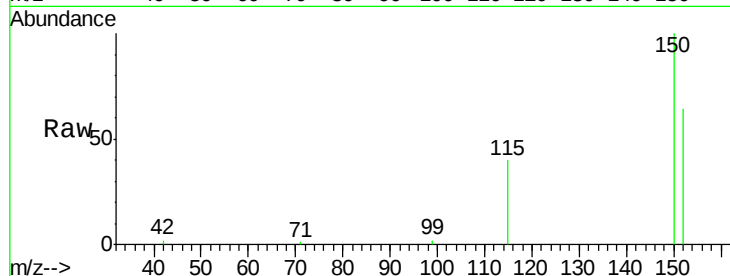
Tgt Ion:152 Resp: 17897

Ion Ratio Lower Upper

152 100

150 155.8 123.0 184.4

115 62.0 48.9 73.3



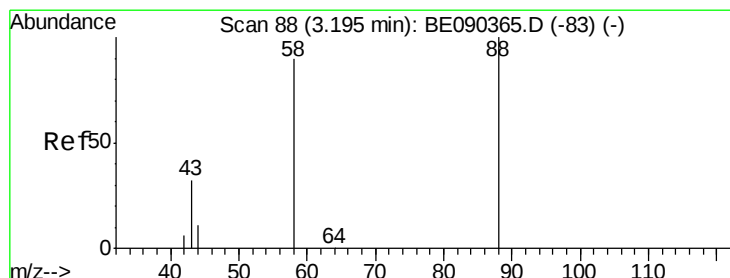
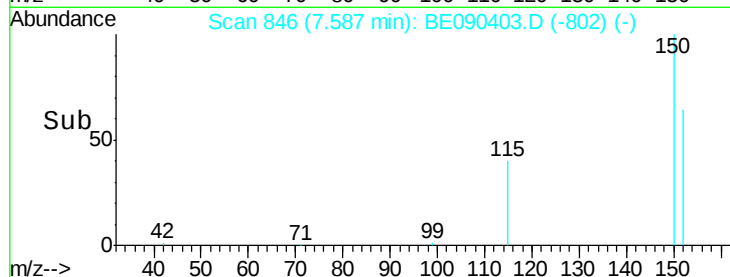
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

7.59

Time-->



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.25 min Scan# 96

Delta R.T. 0.05 min

Lab File: BE090403.D

Acq: 7 Aug 2015 18:28

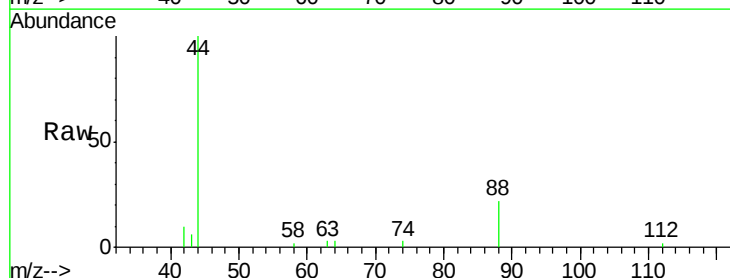
Tgt Ion: 88 Resp: 38

Ion Ratio Lower Upper

88 100

58 7.9 70.0 105.0#

43 13.2 28.4 42.6#



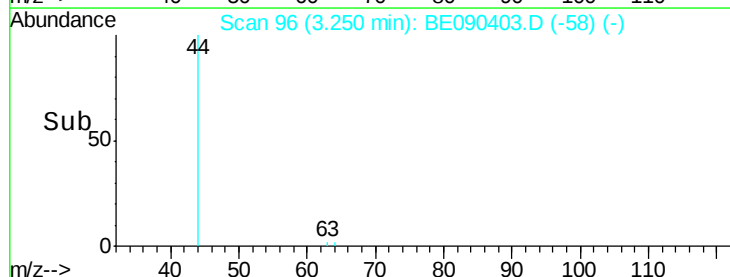
Abundance Ion 88.00 (87.70 to 88.70): BE0

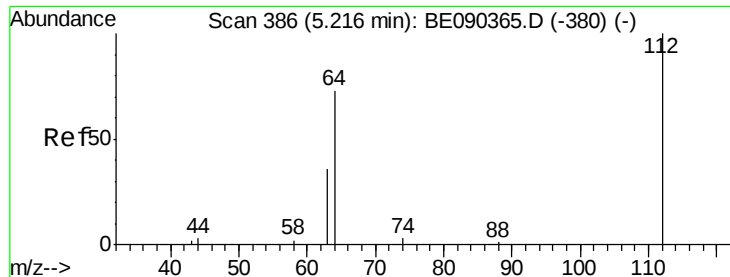
Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

3.25

Time-->





#4

2-Fluorophenol

Concen: 9.01 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090403.D

Acq: 7 Aug 2015 18:28

Instrument :

BNA_E

ClientSampleId :

PB84793BL

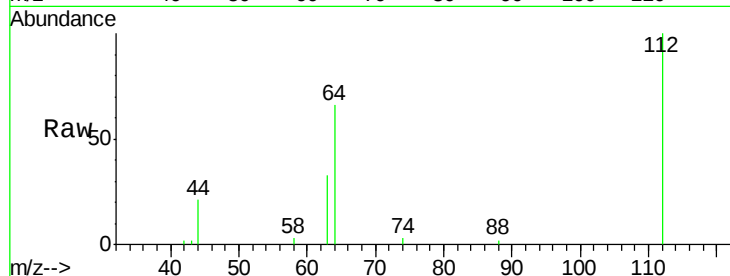
Tgt Ion: 112 Resp: 24186

Ion Ratio Lower Upper

112 100

64 71.2 37.1 55.7#

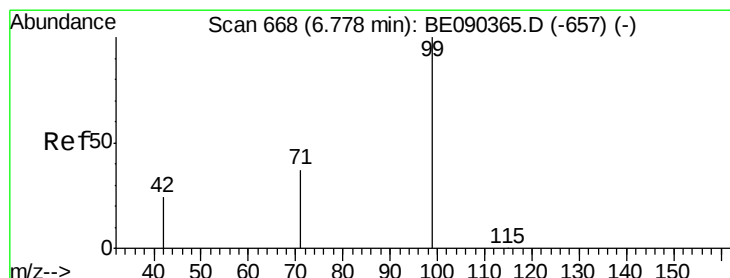
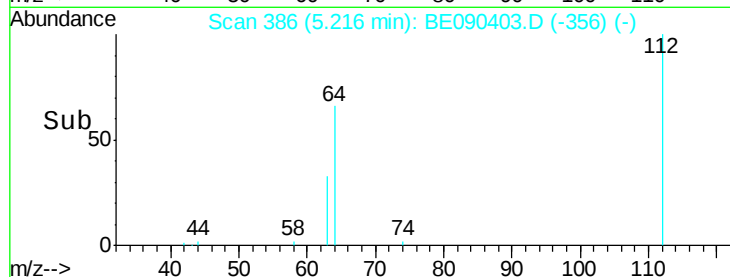
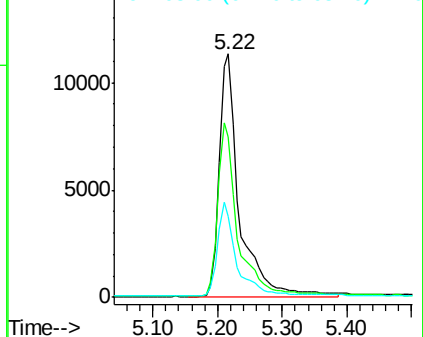
63 37.2 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): BE090403.D (-356) (-)

Ion 64.00 (63.70 to 64.70): BE090403.D (-356) (-)

Ion 63.00 (62.70 to 63.70): BE090403.D (-356) (-)



#5

Phenol-d6

Concen: 6.19 ng

RT: 6.77 min Scan# 666

Delta R.T. -0.01 min

Lab File: BE090403.D

Acq: 7 Aug 2015 18:28

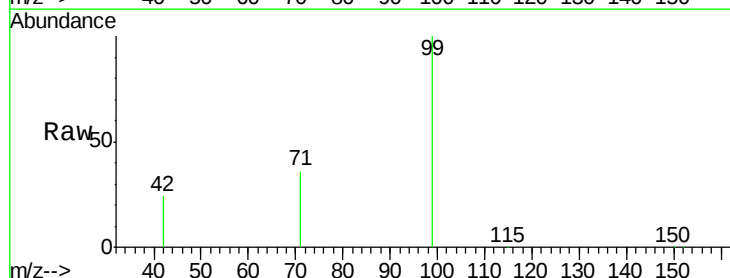
Tgt Ion: 99 Resp: 35696

Ion Ratio Lower Upper

99 100

42 22.3 18.2 27.4

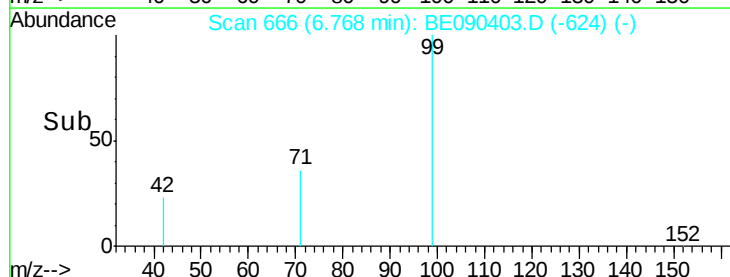
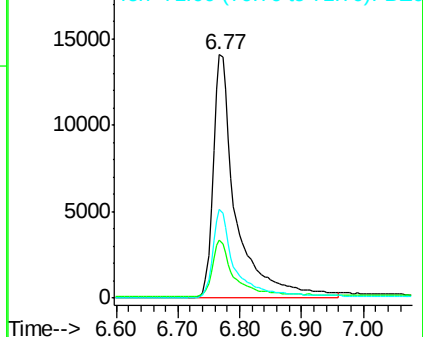
71 35.3 27.4 41.0

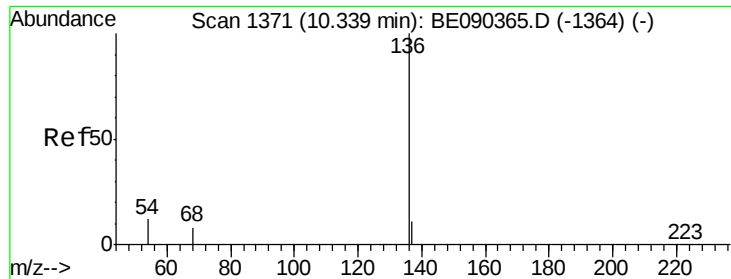


Abundance Ion 99.00 (98.70 to 99.70): BE090403.D (-624) (-)

Ion 42.00 (41.70 to 42.70): BE090403.D (-624) (-)

Ion 71.00 (70.70 to 71.70): BE090403.D (-624) (-)





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.35 min Scan# 1372

Delta R.T. 0.01 min

Lab File: BE090403.D

Acq: 7 Aug 2015 18:28

Instrument :

BNA_E

ClientSampleId :

PB84793BL

Tgt Ion:136 Resp: 75984

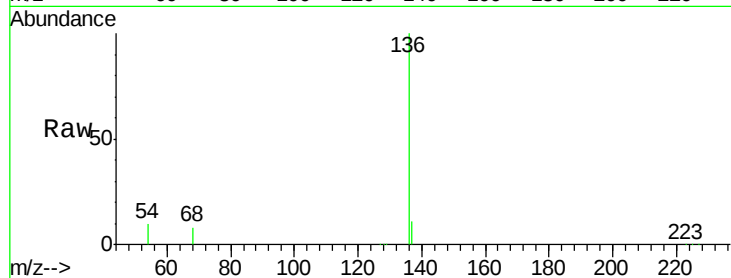
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 10.2 9.4 14.0

68 7.5 6.5 9.7

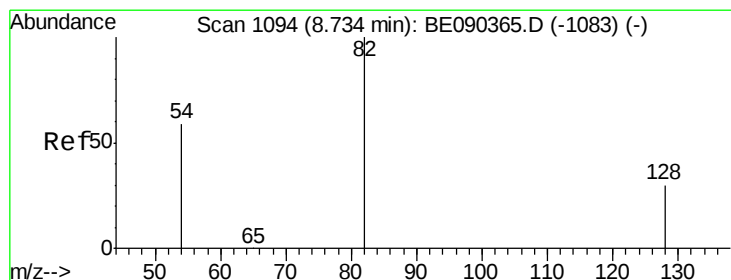
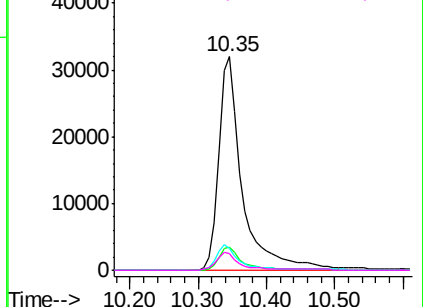
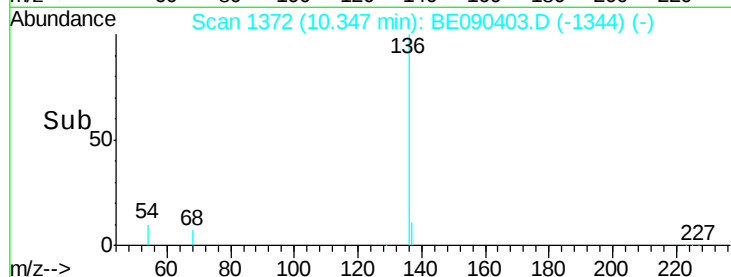


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#7

Nitrobenzene-d5

Concen: 3.52 ng

RT: 8.74 min Scan# 1095

Delta R.T. 0.01 min

Lab File: BE090403.D

Acq: 7 Aug 2015 18:28

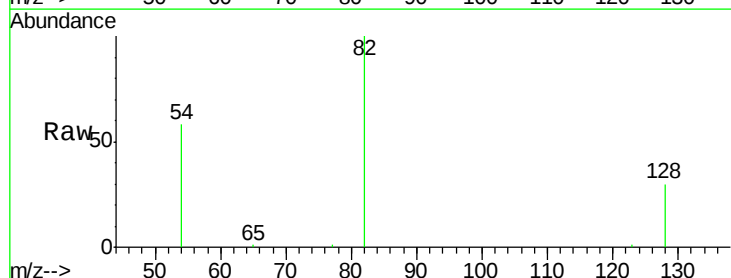
Tgt Ion: 82 Resp: 21416

Ion Ratio Lower Upper

82 100

128 29.9 25.0 37.6

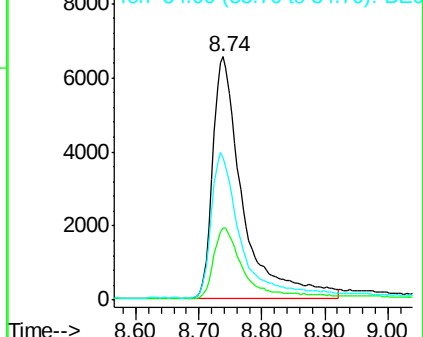
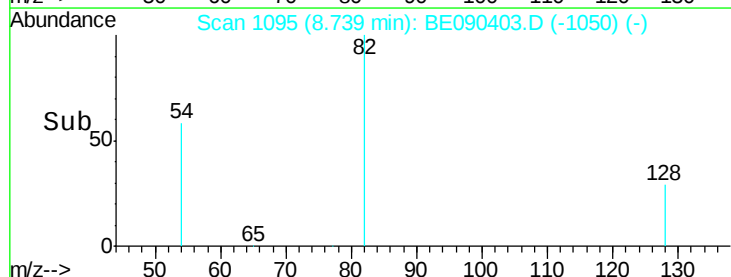
54 58.5 48.8 73.2

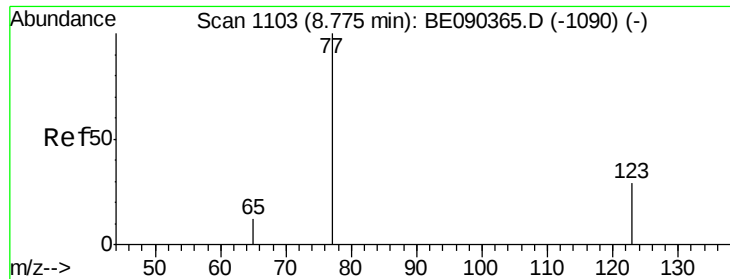


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#8

Nitrobenzene

Concen: 0.21 ng

RT: 8.81 min Scan# 1110

Delta R.T. 0.03 min

Lab File: BE090403.D

Acq: 7 Aug 2015 18:28

Instrument :

BNA_E

ClientSampleId :

PB84793BL

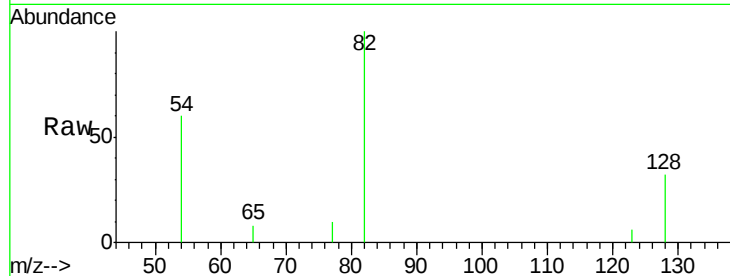
Tgt Ion: 77 Resp: 8

Ion Ratio Lower Upper

77 100

123 12.5 25.1 37.7#

65 0.0 9.3 13.9#



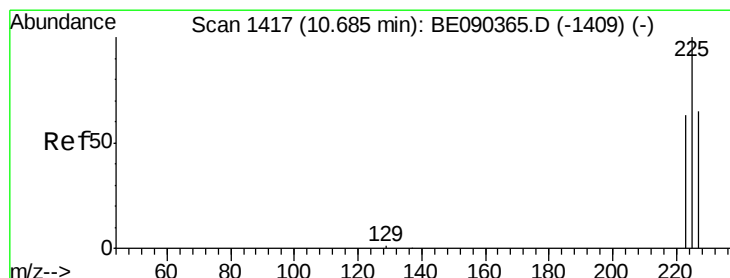
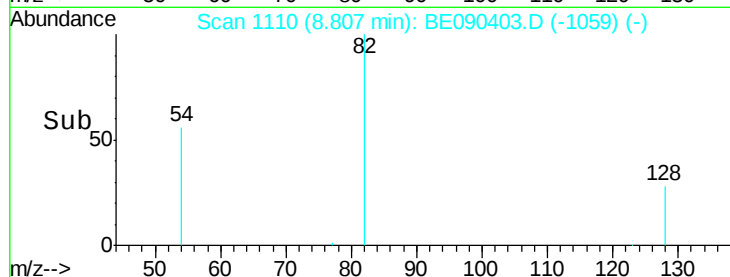
Abundance Ion 77.00 (76.70 to 77.70): BE090365.D (-1090) (-)

Ion 123.00 (122.70 to 123.70): BE090365.D (-1090) (-)

Ion 65.00 (64.70 to 65.70): BE090365.D (-1090) (-)

8.81

Time-->



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.68 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BE090403.D

Acq: 7 Aug 2015 18:28

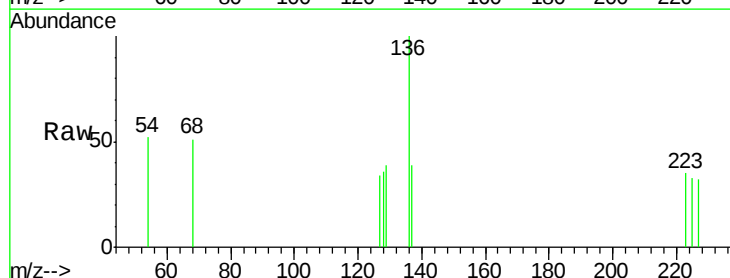
Tgt Ion: 225 Resp: 4

Ion Ratio Lower Upper

225 100

223 100.0 50.6 75.8#

227 25.0 50.7 76.1#



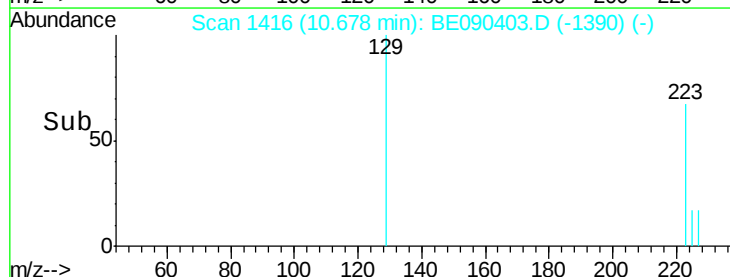
Abundance Ion 225.00 (224.70 to 225.70): BE090365.D (-1409) (-)

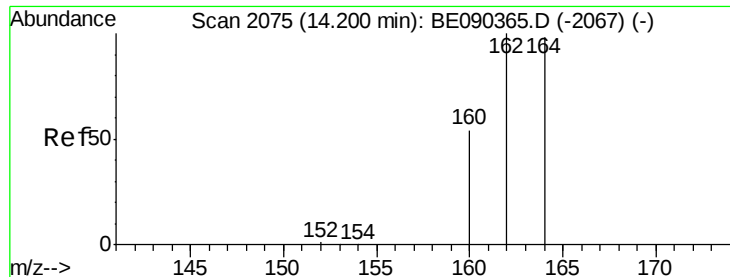
Ion 223.00 (222.70 to 223.70): BE090365.D (-1409) (-)

Ion 227.00 (226.70 to 227.70): BE090365.D (-1409) (-)

10.68

Time-->

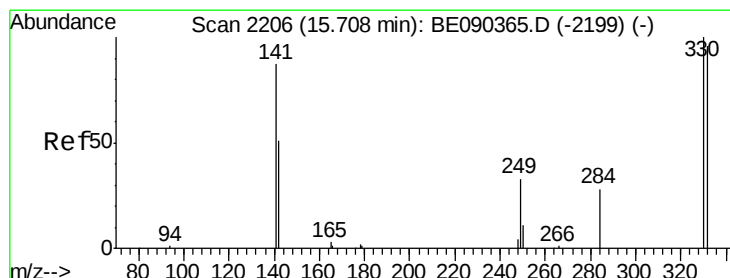
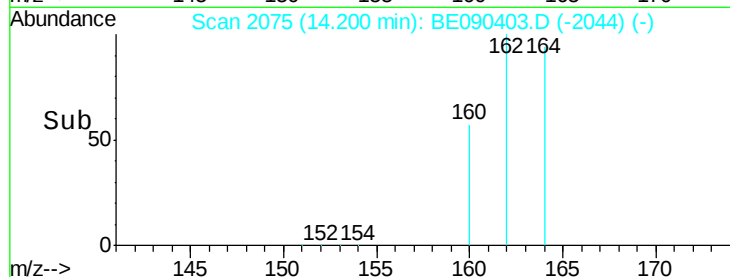
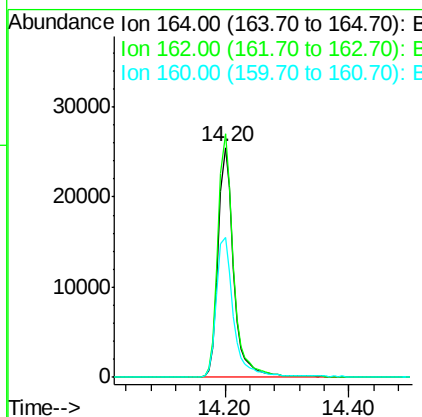
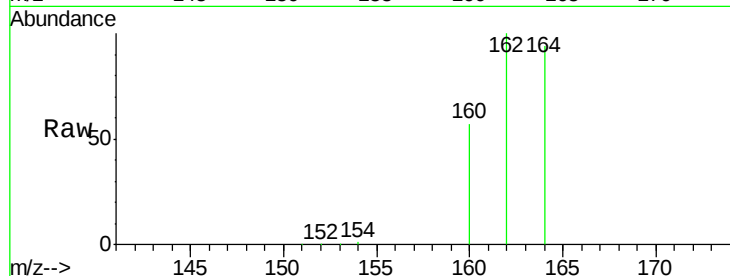




#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.20 min Scan# 2075
Delta R.T. -0.00 min
Lab File: BE090403.D
Acq: 7 Aug 2015 18:28

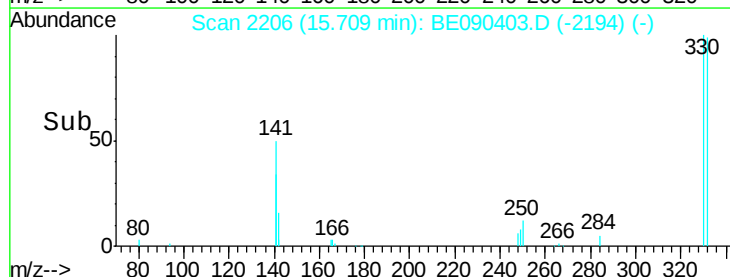
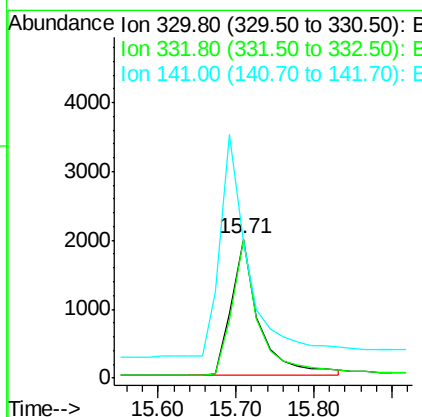
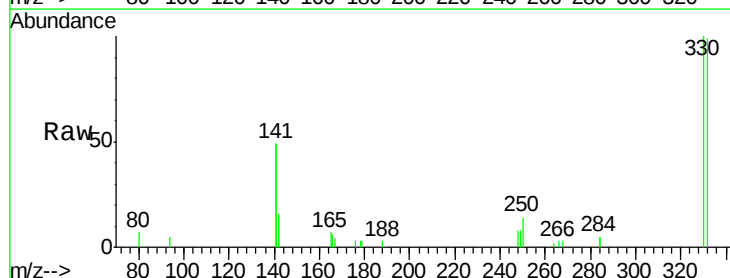
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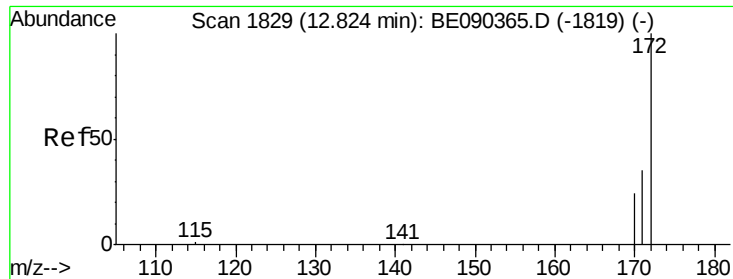
Tgt Ion:164 Resp: 43550
Ion Ratio Lower Upper
164 100
162 106.0 81.8 122.8
160 60.7 44.2 66.4



#13
2,4,6-Tribromophenol
Concen: 4.63 ng
RT: 15.71 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BE090403.D
Acq: 7 Aug 2015 18:28

Tgt Ion:330 Resp: 4903
Ion Ratio Lower Upper
330 100
332 96.8 75.8 113.6
141 172.1 114.4 171.6#

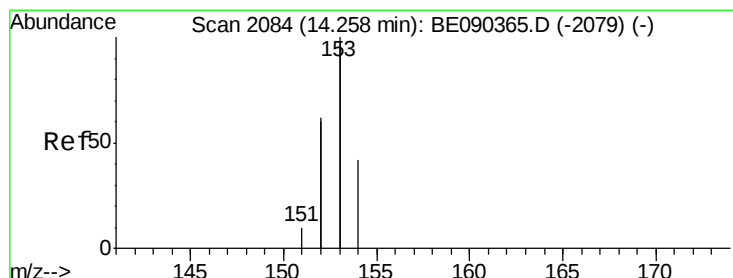
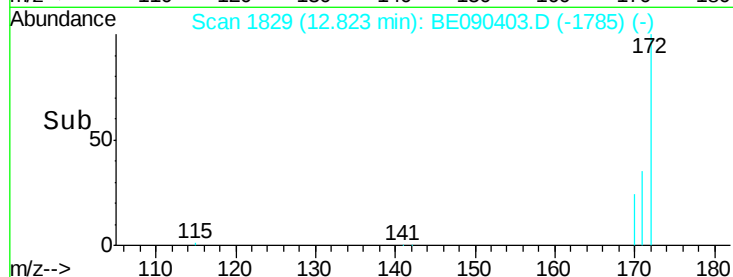
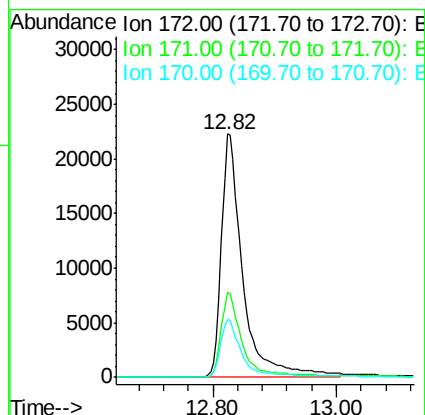
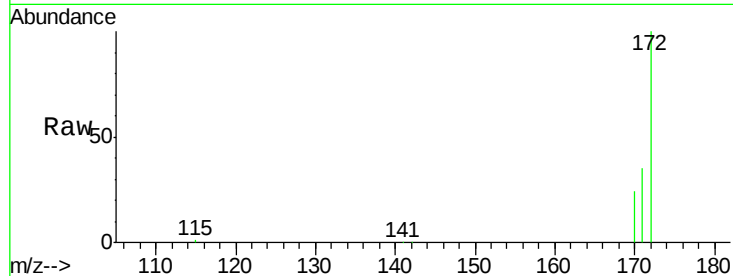




#14
2-Fluorobiphenyl
Concen: 4.44 ng
RT: 12.82 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BE090403.D
Acq: 7 Aug 2015 18:28

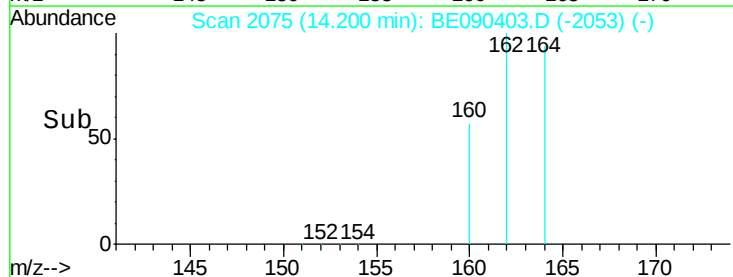
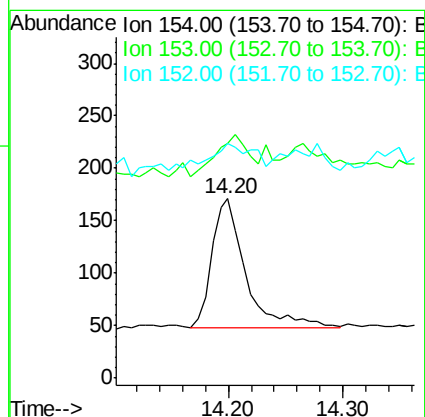
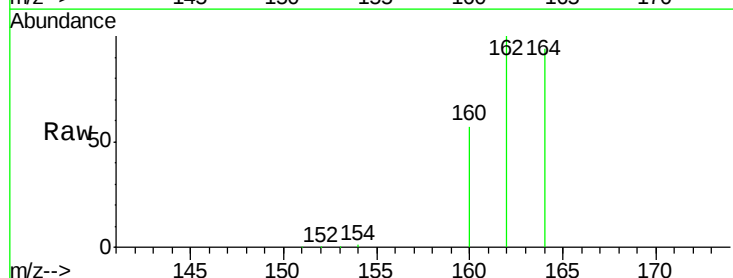
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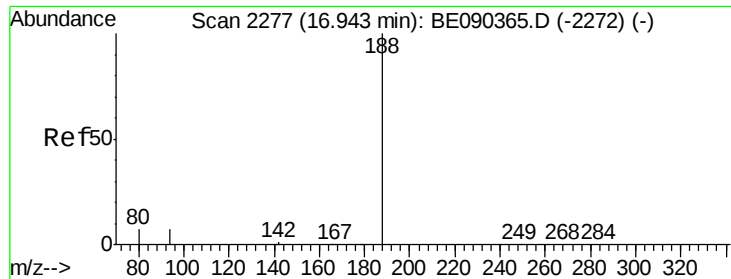
Tgt Ion:172 Resp: 53242
Ion Ratio Lower Upper
172 100
171 35.1 28.5 42.7
170 24.0 19.8 29.8



#16
Acenaphthene
Concen: 0.02 ng
RT: 14.20 min Scan# 2075
Delta R.T. -0.06 min
Lab File: BE090403.D
Acq: 7 Aug 2015 18:28

Tgt Ion:154 Resp: 252
Ion Ratio Lower Upper
154 100
153 30.6 376.2 564.2#
152 29.0 235.0 352.4#





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BE090403.D

Acq: 7 Aug 2015 18:28

Instrument :

BNA_E

ClientSampleId :

PB84793BL

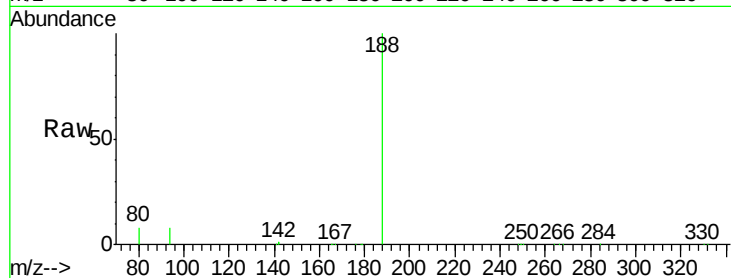
Tgt Ion:188 Resp: 111411

Ion Ratio Lower Upper

188 100

94 7.7 5.7 8.5

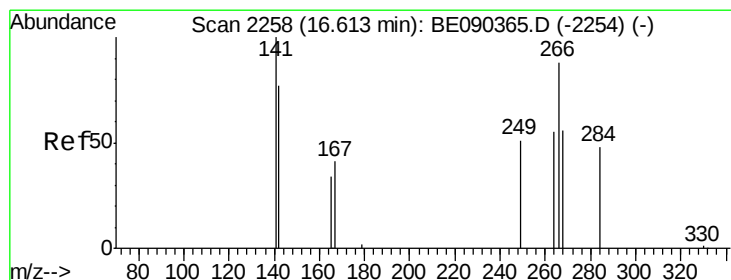
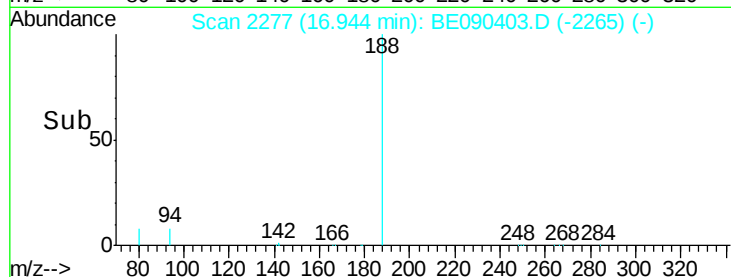
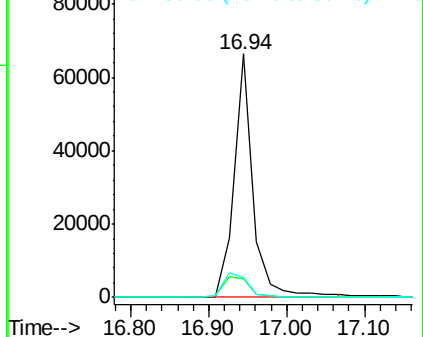
80 8.2 5.8 8.8



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



#21

Pentachlorophenol

Concen: 0.10 ng

RT: 16.58 min Scan# 2256

Delta R.T. -0.03 min

Lab File: BE090403.D

Acq: 7 Aug 2015 18:28

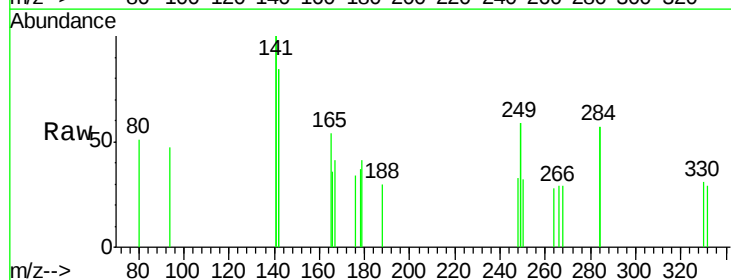
Tgt Ion:266 Resp: 7

Ion Ratio Lower Upper

266 100

268 100.0 58.5 87.7#

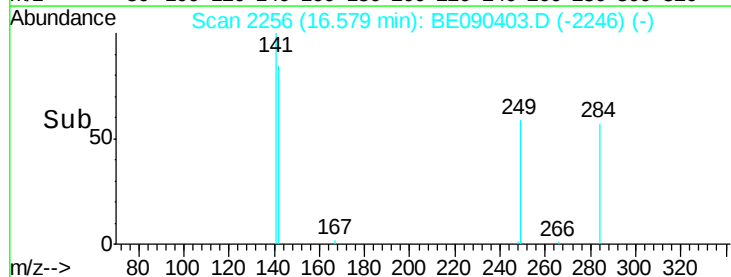
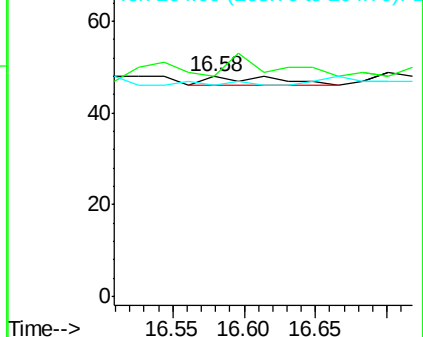
264 95.8 56.0 84.0#

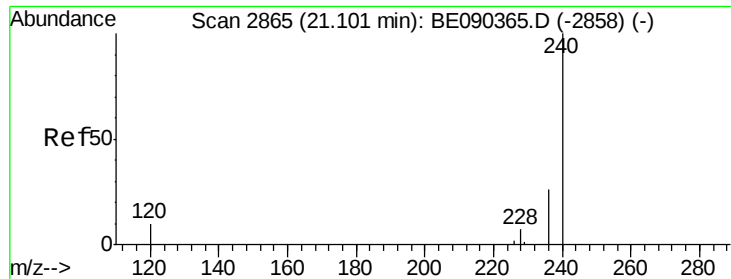


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.10 min Scan# 2865

Delta R.T. -0.00 min

Lab File: BE090403.D

Acq: 7 Aug 2015 18:28

Instrument :

BNA_E

ClientSampleId :

PB84793BL

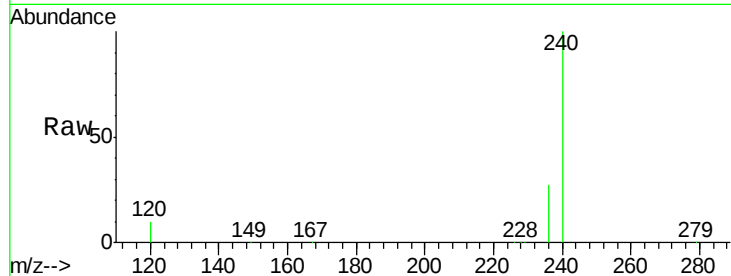
Tgt Ion:240 Resp: 122933

Ion Ratio Lower Upper

240 100

120 9.6 8.3 12.5

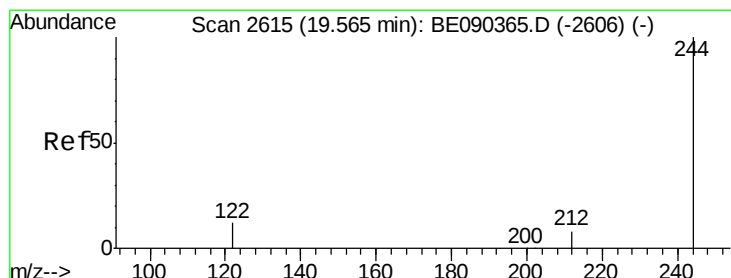
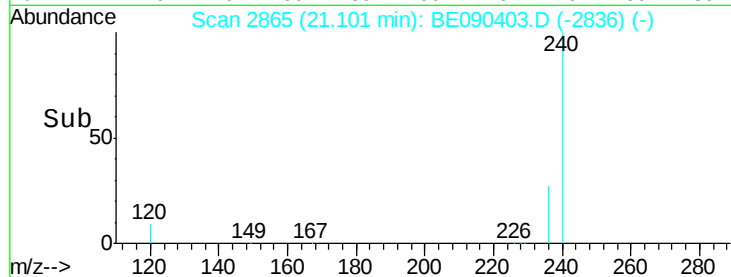
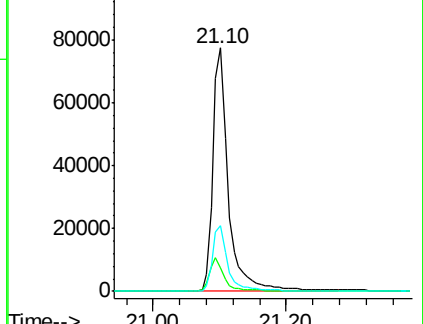
236 26.7 21.0 31.4



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



#27

Terphenyl-d14

Concen: 5.30 ng

RT: 19.56 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BE090403.D

Acq: 7 Aug 2015 18:28

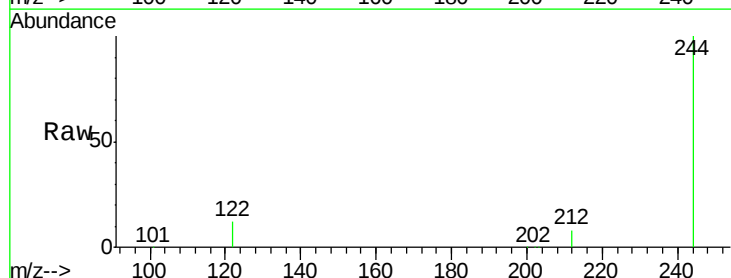
Tgt Ion:244 Resp: 96001

Ion Ratio Lower Upper

244 100

212 7.9 6.6 9.8

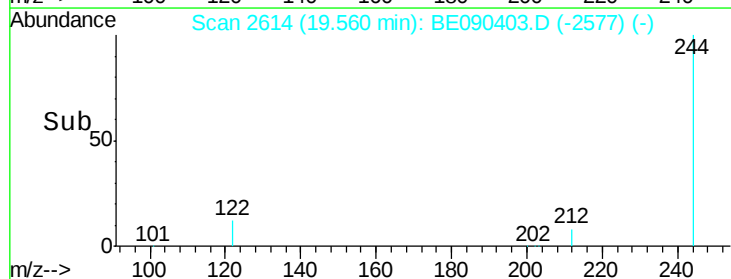
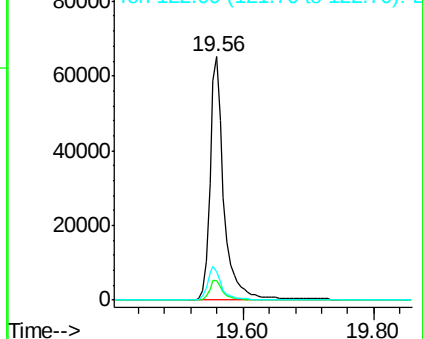
122 11.9 10.2 15.4

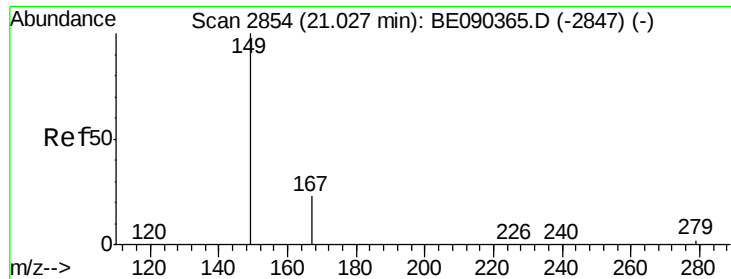


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.12 ng

RT: 21.03 min Scan# 2855

Delta R.T. 0.01 min

Lab File: BE090403.D

Acq: 7 Aug 2015 18:28

Instrument :

BNA_E

ClientSampleId :

PB84793BL

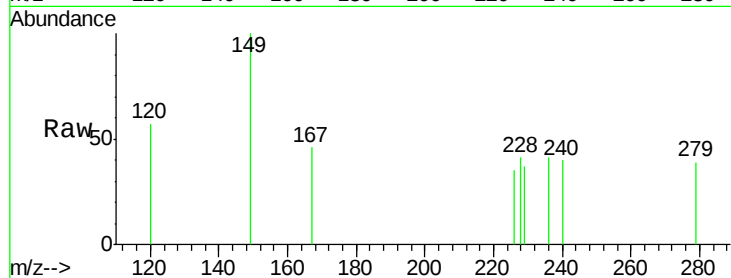
Tgt Ion:149 Resp: 50

Ion Ratio Lower Upper

149 100

167 30.0 19.8 29.8#

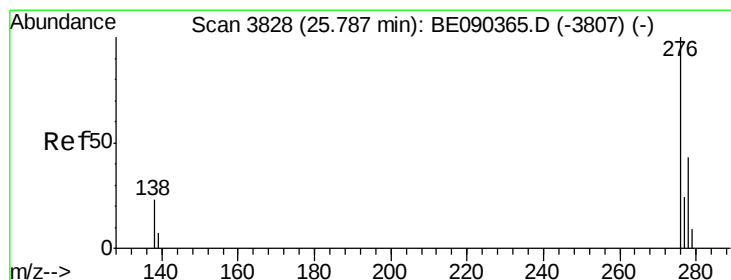
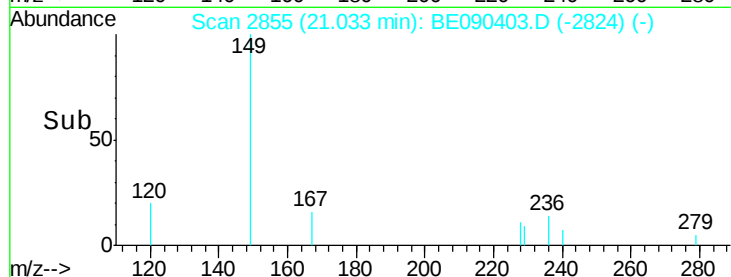
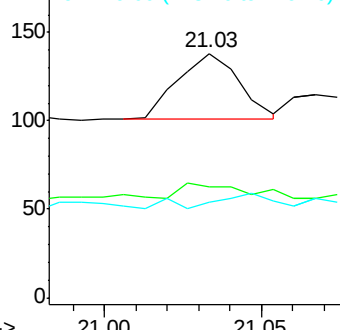
279 4.0 2.4 3.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#31

Indeno(1,2,3-cd)pyrene

Concen: 0.28 ng

RT: 25.81 min Scan# 3833

Delta R.T. 0.02 min

Lab File: BE090403.D

Acq: 7 Aug 2015 18:28

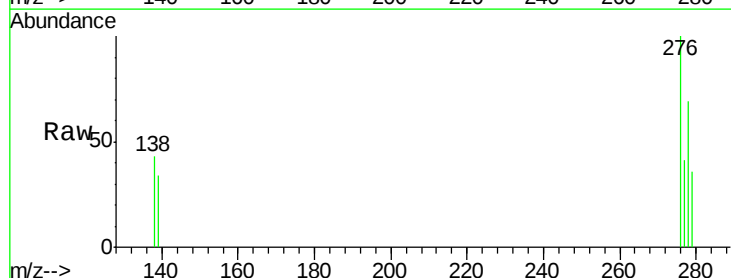
Tgt Ion:276 Resp: 799

Ion Ratio Lower Upper

276 100

138 0.0 18.8 28.2#

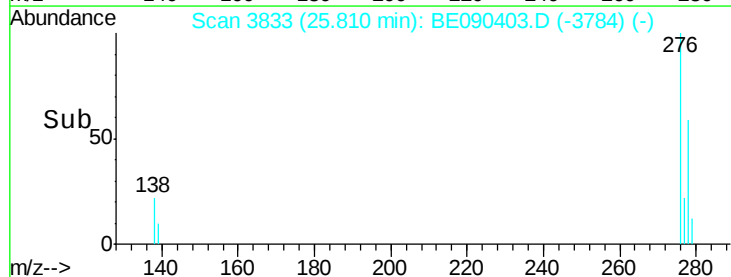
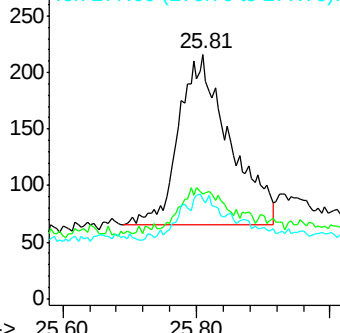
277 5.3 18.2 27.4#

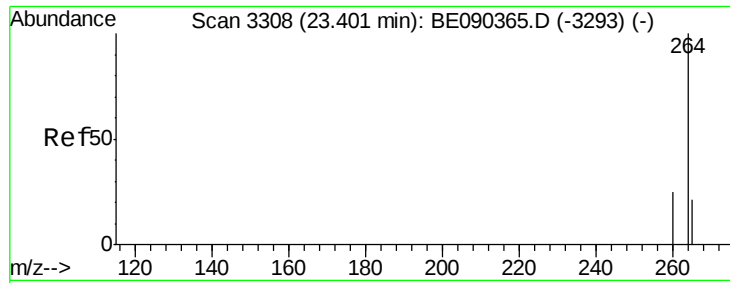


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

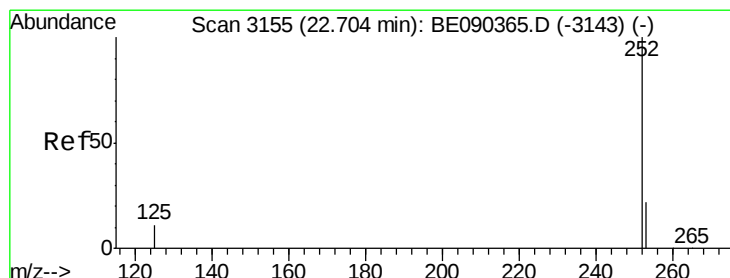
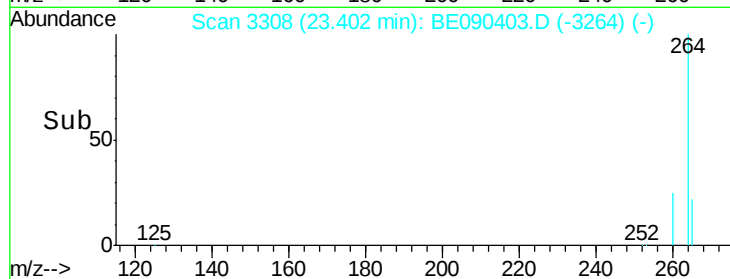
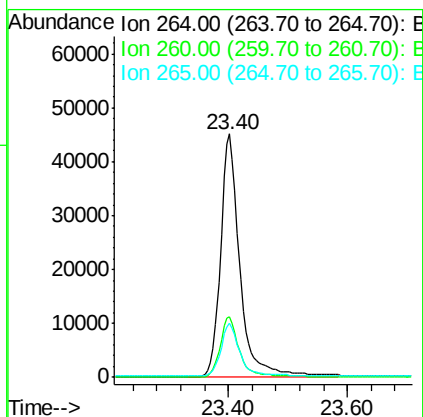
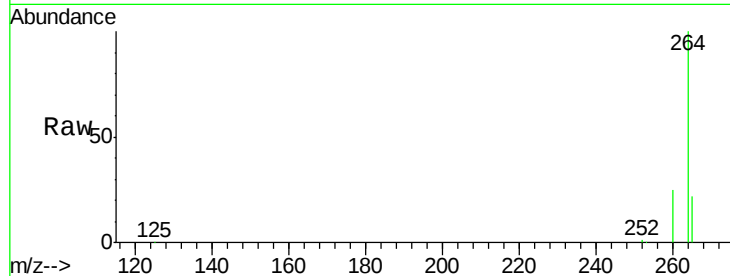




#32
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 3308
Delta R.T. 0.00 min
Lab File: BE090403.D
Acq: 7 Aug 2015 18:28

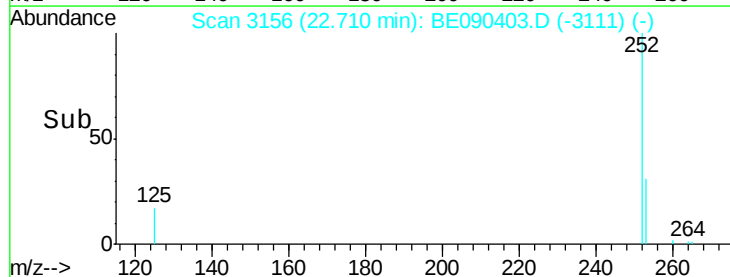
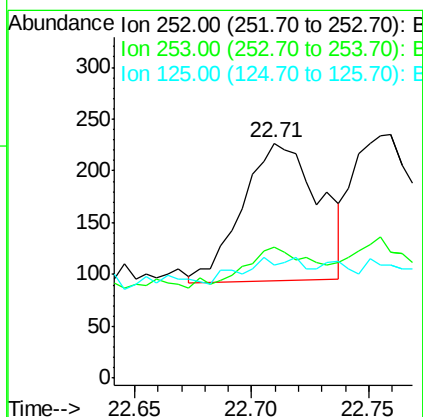
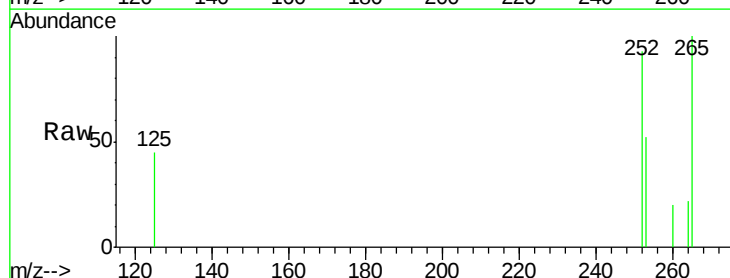
Instrument :
BNA_E
ClientSampleId :
PB84793BL

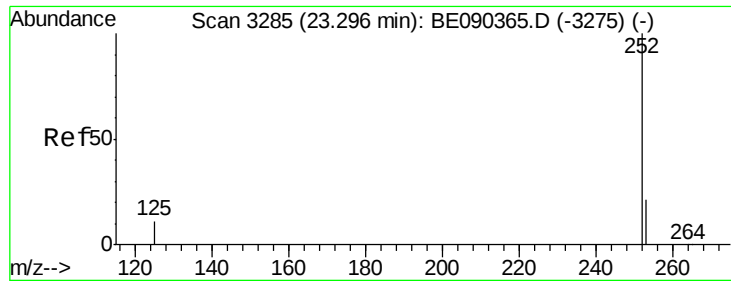
Tgt Ion: 264 Resp: 102528
Ion Ratio Lower Upper
264 100
260 25.0 20.1 30.1
265 22.1 17.2 25.8



#33
Benzo(b)fluoranthene
Concen: 0.21 ng
RT: 22.71 min Scan# 3156
Delta R.T. 0.01 min
Lab File: BE090403.D
Acq: 7 Aug 2015 18:28

Tgt Ion: 252 Resp: 304
Ion Ratio Lower Upper
252 100
253 55.9 18.1 27.1#
125 48.0 9.4 14.2#





#35

Benzo(a)pyrene

Concen: 0.24 ng

RT: 23.30 min Scan# 3285

Delta R.T. 0.00 min

Lab File: BE090403.D

Acq: 7 Aug 2015 18:28

Instrument :

BNA_E

ClientSampleId :

PB84793BL

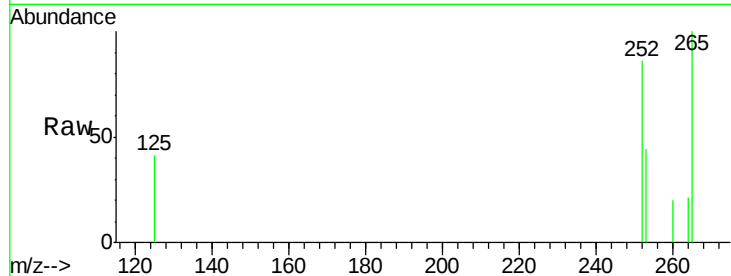
Tgt Ion: 252 Resp: 333

Ion Ratio Lower Upper

252 100

253 51.2 17.6 26.4#

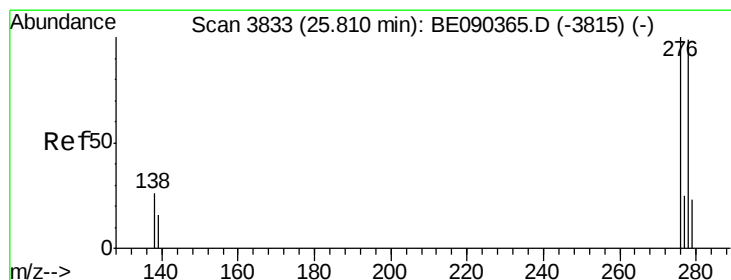
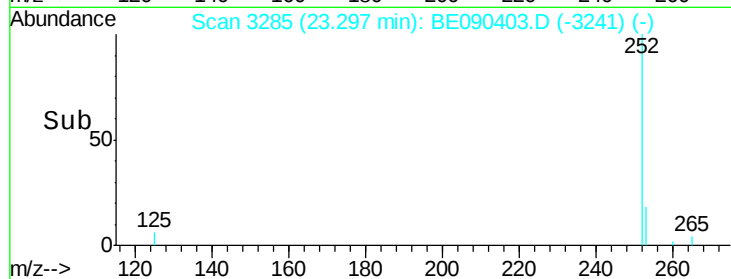
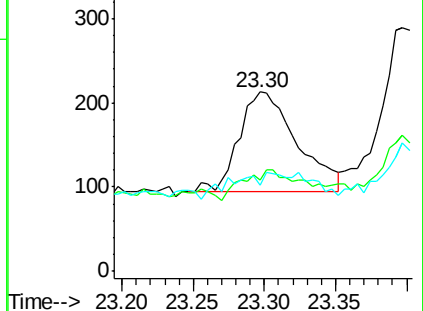
125 47.9 9.8 14.6#



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



#36

Dibenzo(a,h)anthracene

Concen: 0.31 ng

RT: 25.82 min Scan# 3836

Delta R.T. 0.01 min

Lab File: BE090403.D

Acq: 7 Aug 2015 18:28

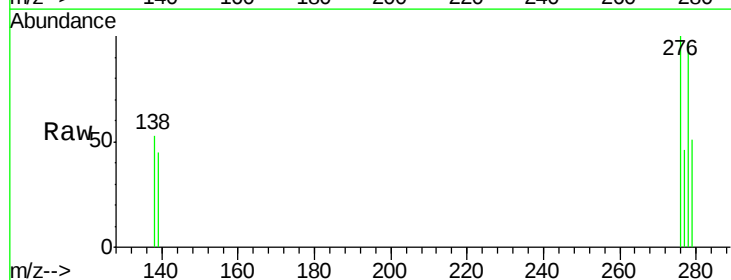
Tgt Ion: 278 Resp: 554

Ion Ratio Lower Upper

278 100

139 45.9 14.2 21.4#

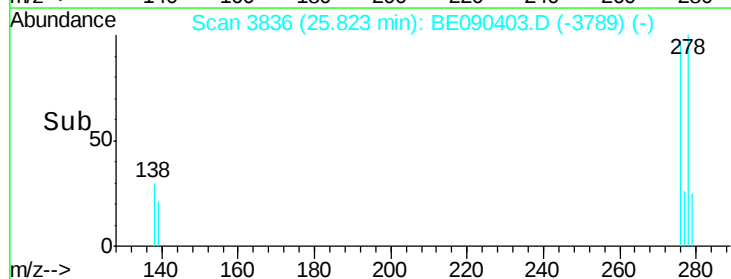
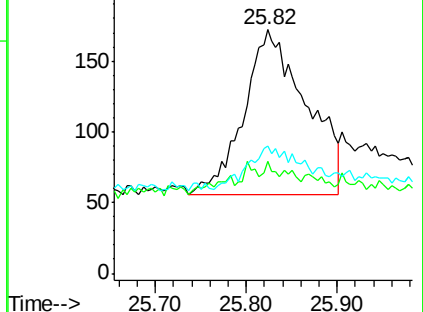
279 52.3 20.1 30.1#

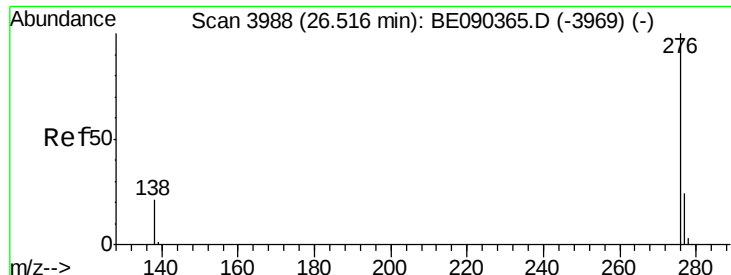


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#37

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 26.53 min Scan# 3990

Delta R.T. 0.01 min

Lab File: BE090403.D

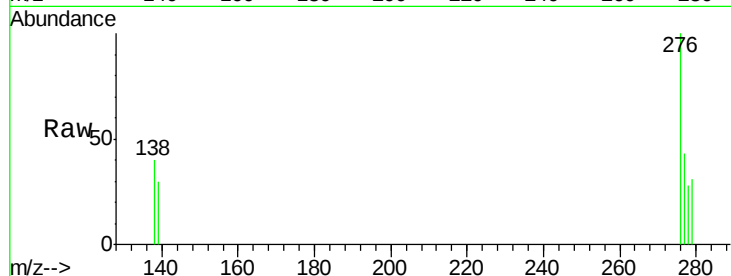
Acq: 7 Aug 2015 18:28

Instrument :

BNA_E

ClientSampleId :

PB84793BL



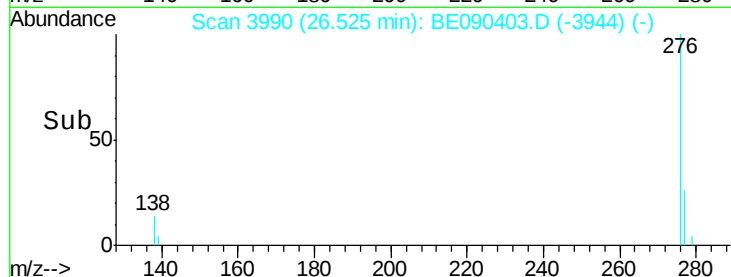
Tgt Ion: 276 Resp: 584

Ion Ratio Lower Upper

276 100

277 42.9 20.1 30.1#

138 39.5 18.1 27.1#



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

