

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091115\
 Data File : BE090784.D
 Acq On : 11 Sep 2015 14:51
 Operator : UM/IZ
 Sample : PB85487BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB85487BL

Quant Time: Sep 11 23:13:16 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 11:40:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	42918	5.00	ng	-0.01
6) Naphthalene-d8	10.30	136	192955	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	105074	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	267791	5.00	ng	0.00
25) Chrysene-d12	21.07	240	290665	5.00	ng	0.00
32) Perylene-d12	23.36	264	250362	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	77280	9.23	ng	-0.01
5) Phenol-d6	6.73	99	112223	9.39	ng	-0.02
7) Nitrobenzene-d5	8.69	82	52126	4.09	ng	-0.01
13) 2,4,6-Tribromophenol	15.67	330	20535	6.68	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	112677	3.87	ng	-0.01
27) Terphenyl-d14	19.53	244	173529	5.40	ng	-0.01

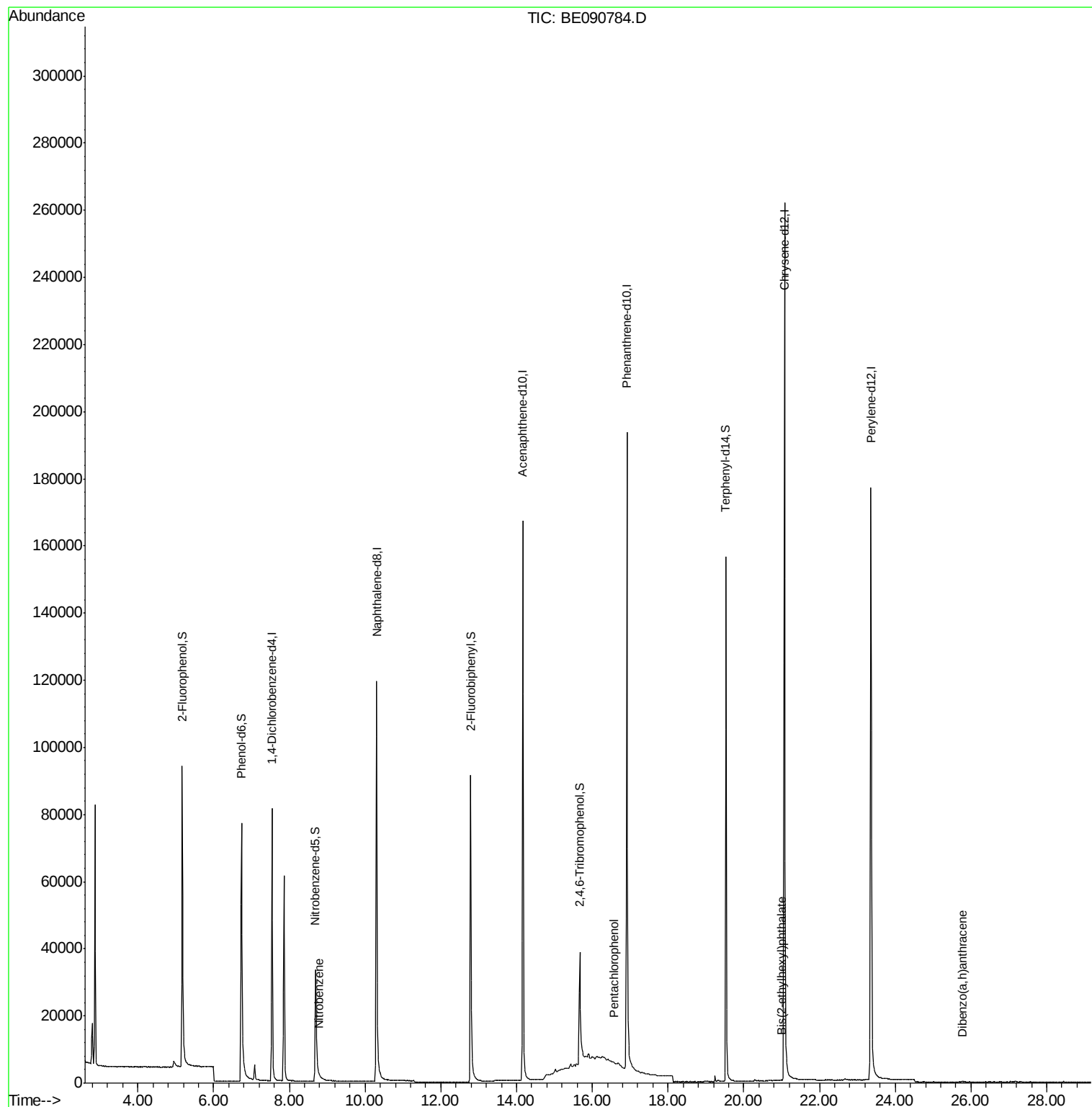
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.19	88	36	Below Cal	#	32
3) n-Nitrosodimethylamine	3.47	42	22	Below Cal	#	1
8) Nitrobenzene	8.79	77	16	0.11 ng	#	64
20) Hexachlorobenzene	16.23	284	77	Below Cal	#	25
21) Pentachlorophenol	16.56	266	11	0.46 ng	#	58
29) Chrysene	21.11	228	1079	Below Cal	#	87
30) Bis(2-ethylhexyl)phthalate	21.00	149	226	0.08 ng	#	92
36) Dibenzo(a,h)anthracene	25.75	278	17	0.14 ng	#	1

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.54 min Scan# 836

Delta R.T. -0.01 min

Lab File: BE090784.D

Acq: 11 Sep 2015 14:51

Instrument :

BNA_E

ClientSampled :

PB85487BL

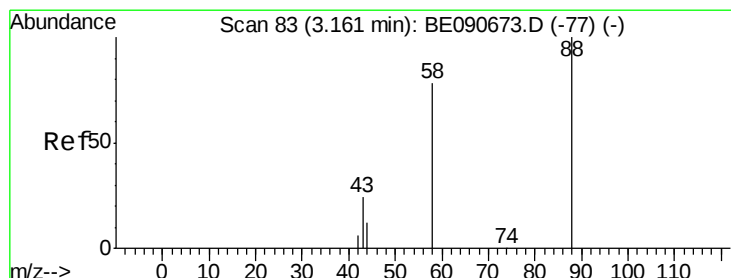
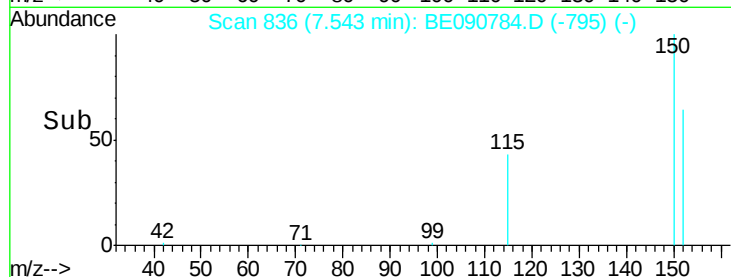
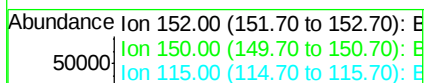
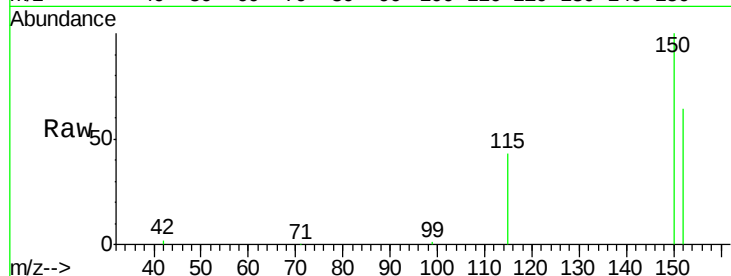
Tot Ion:152 Resp: 42918

Ion Ratio Lower Upper

152 100

150 155.1 122.2 183.4

115 66.2 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.19 min Scan# 87

Delta R.T. 0.03 min

Lab File: BE090784.D

Acq: 11 Sep 2015 14:51

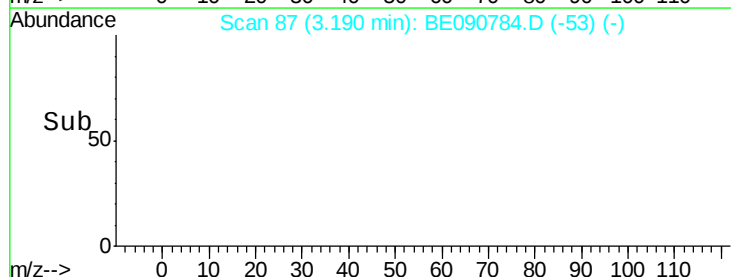
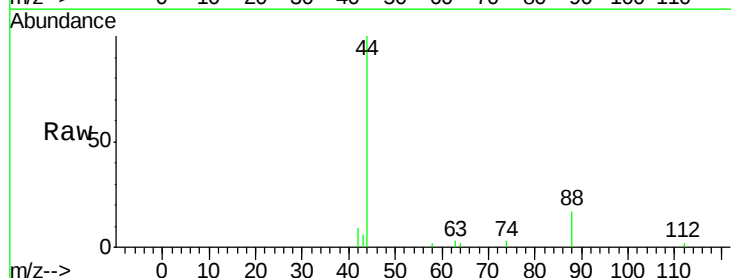
Tgt Ion: 88 Resp: 36

Ion Ratio Lower Upper

88 100

58 0.0 68.4 102.6#

43 36.1 26.9 40.3



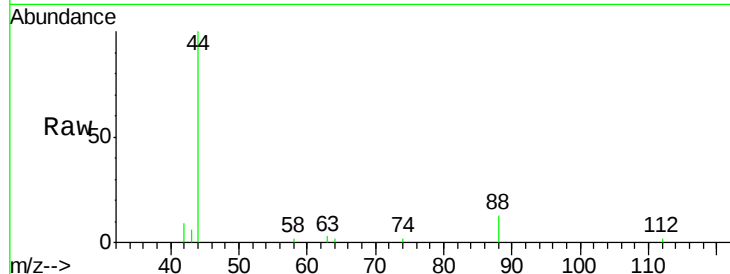


#3

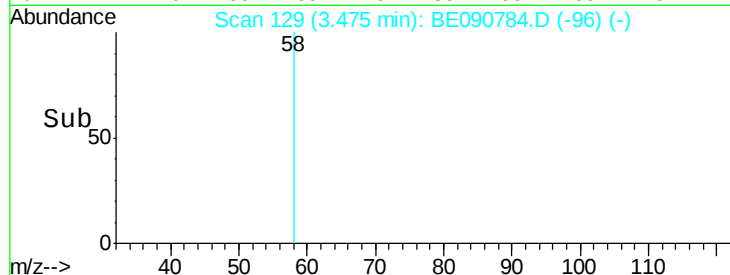
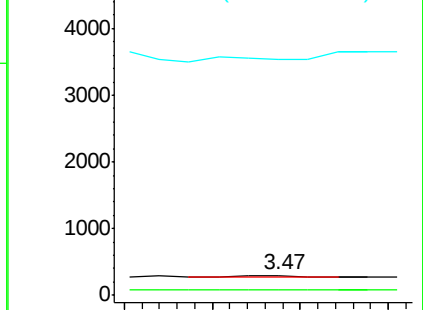
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.47 min Scan# 129
 Delta R.T. 0.02 min
 Lab File: BE090784.D
 Acq: 11 Sep 2015 14:51

Instrument :
 BNA_E
 ClientSampleId :
 PB85487BL

Tot Ion: 42 Resp: 22
 Ion Ratio Lower Upper
 42 100
 74 9.1 83.7 125.5#
 44 745.5 10.0 15.0#



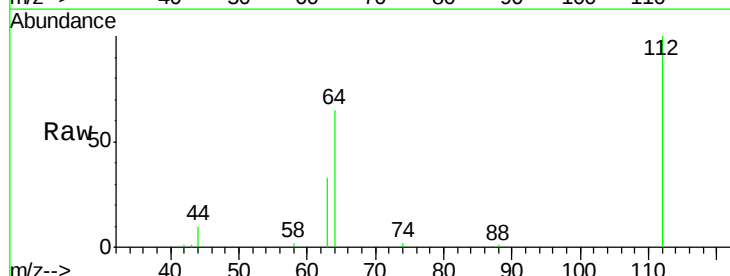
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



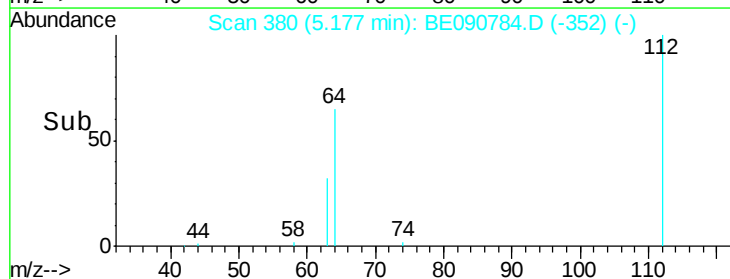
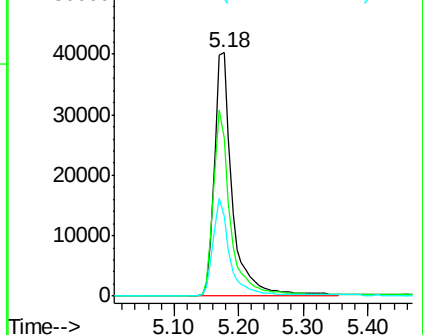
#4

2-Fluorophenol
 Concen: 9.23 ng
 RT: 5.18 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: BE090784.D
 Acq: 11 Sep 2015 14:51

Tgt Ion: 112 Resp: 77280
 Ion Ratio Lower Upper
 112 100
 64 72.3 57.3 85.9
 63 37.6 29.2 43.8



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 9.39 ng

RT: 6.73 min Scan# 658

Delta R.T. -0.02 min

Lab File: BE090784.D

Acq: 11 Sep 2015 14:51

Instrument :

BNA_E

ClientSampleId :

PB85487BL

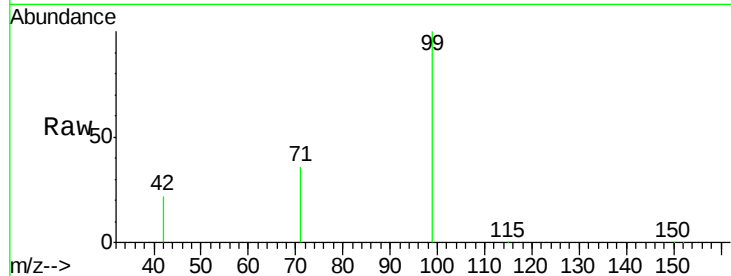
Tot Ion: 99 Resp: 112223

Ion Ratio Lower Upper

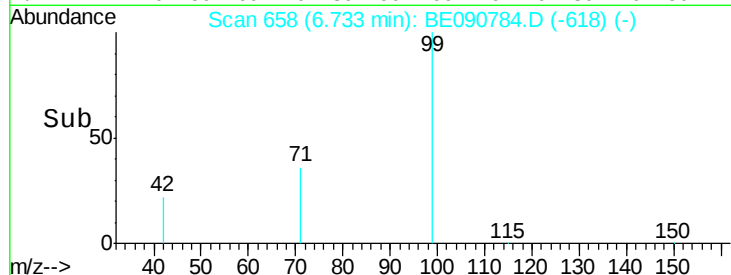
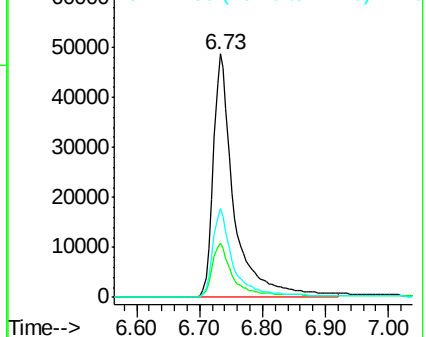
99 100

42 22.3 16.8 25.2

71 36.2 28.3 42.5



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.30 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BE090784.D

Acq: 11 Sep 2015 14:51

Tgt Ion: 136 Resp: 192955

Ion Ratio Lower Upper

136 100

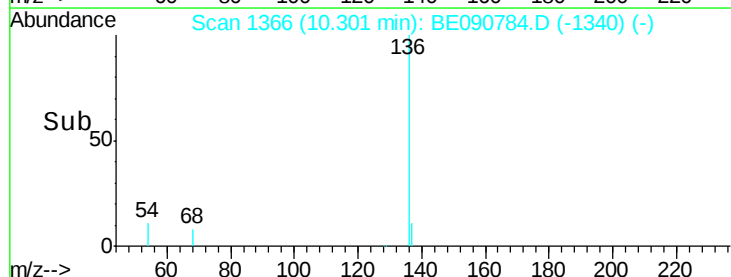
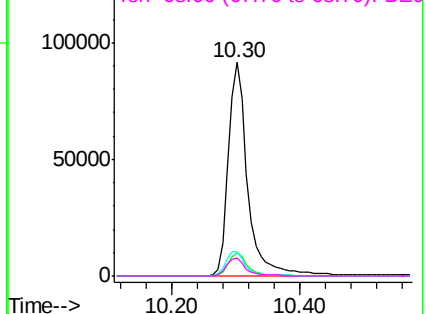
137 10.8 8.7 13.1

54 11.4 9.0 13.6

68 8.2 6.3 9.5



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
Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 4.09 ng

RT: 8.69 min Scan# 1085

Delta R.T. -0.01 min

Lab File: BE090784.D

Acq: 11 Sep 2015 14:51

Instrument :

BNA_E

ClientSampleId :

PB85487BL

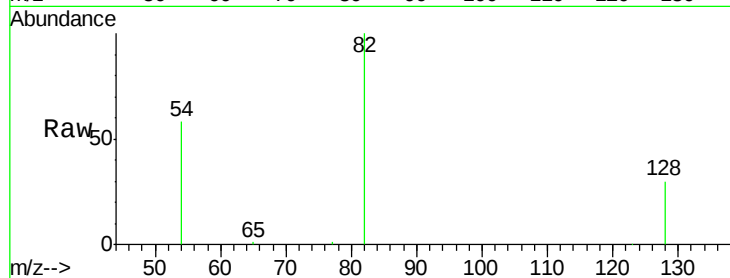
Tot Ion: 82 Resp: 52126

Ion Ratio Lower Upper

82 100

128 30.0 25.0 37.4

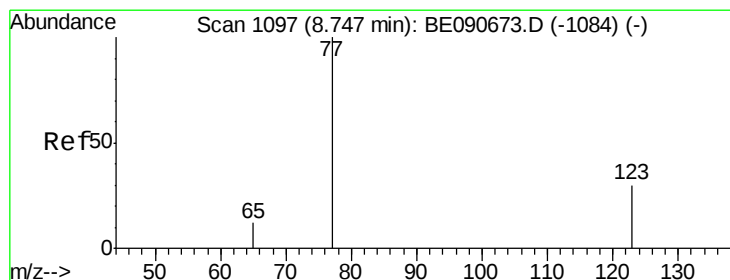
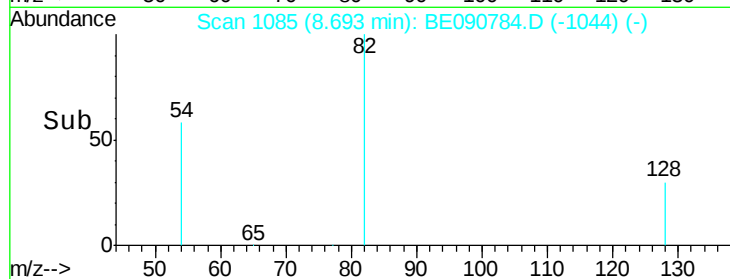
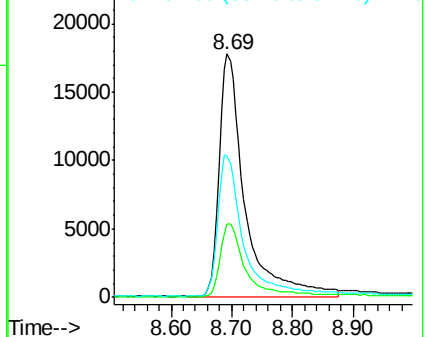
54 58.1 46.3 69.5



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.79 min Scan# 1106

Delta R.T. 0.04 min

Lab File: BE090784.D

Acq: 11 Sep 2015 14:51

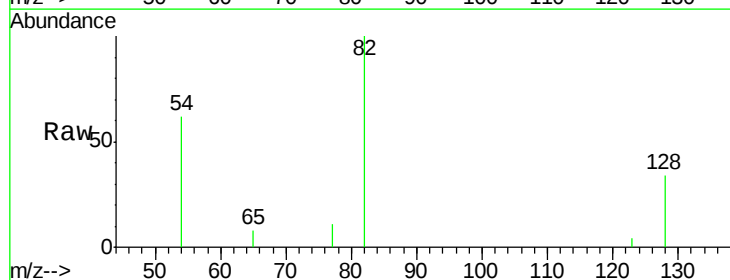
Tgt Ion: 77 Resp: 16

Ion Ratio Lower Upper

77 100

123 31.3 25.1 37.7

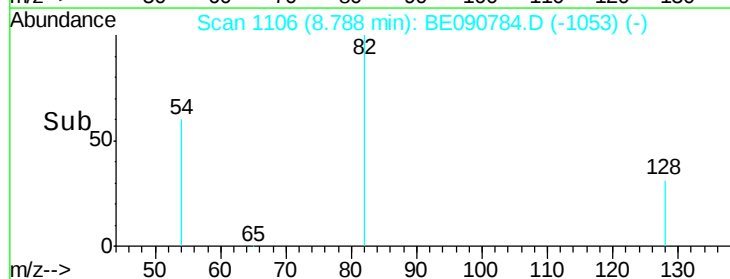
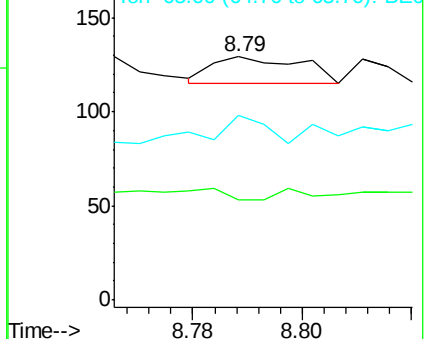
65 62.5 9.9 14.9#



Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090784.D

Acq: 11 Sep 2015 14:51

Instrument :

BNA_E

ClientSampleId :

PB85487BL

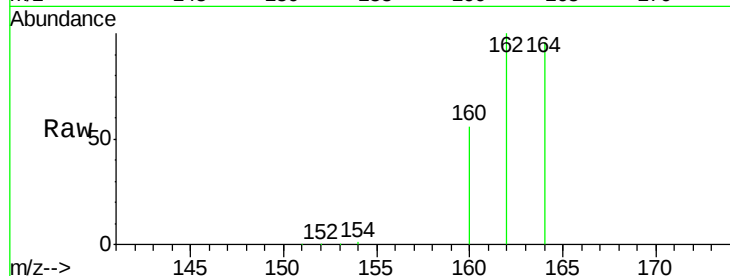
Tot Ion:164 Resp: 105074

Ion Ratio Lower Upper

164 100

162 103.7 86.8 130.2

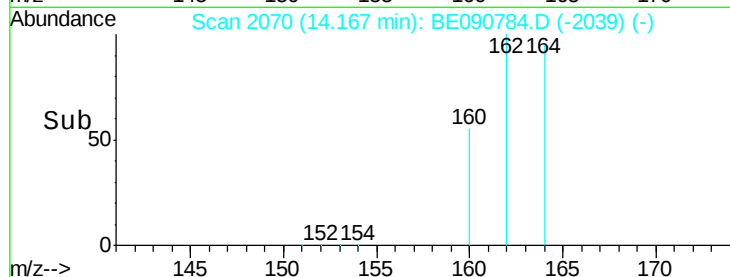
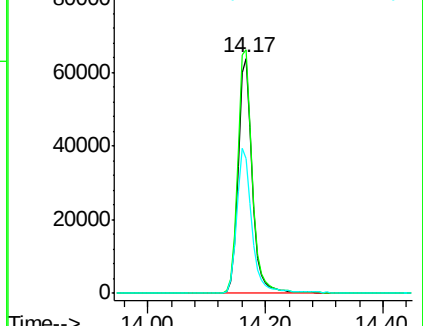
160 57.6 53.9 80.9



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



#13

2,4,6-Tribromophenol

Concen: 6.68 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090784.D

Acq: 11 Sep 2015 14:51

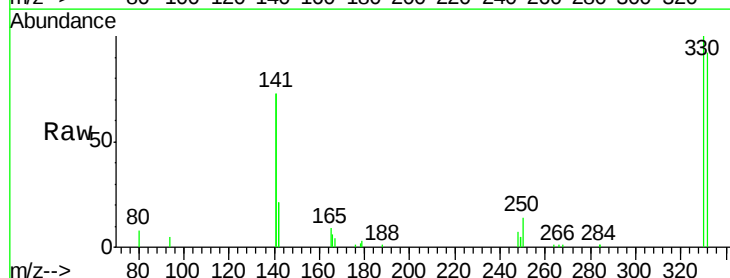
Tgt Ion:330 Resp: 20535

Ion Ratio Lower Upper

330 100

332 96.0 74.9 112.3

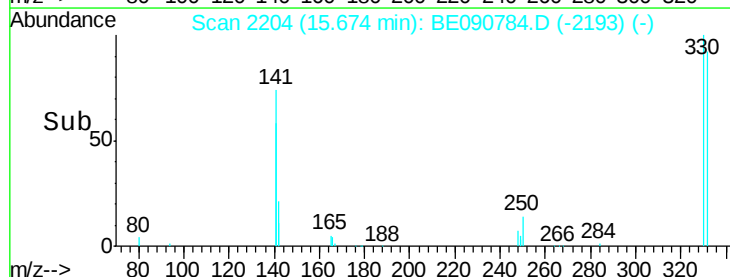
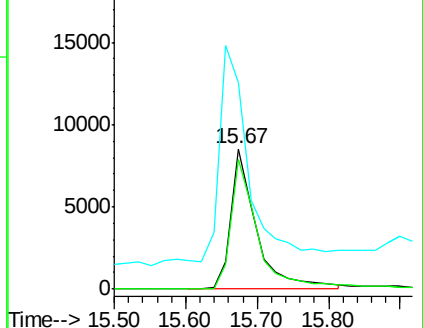
141 203.2 145.2 217.8

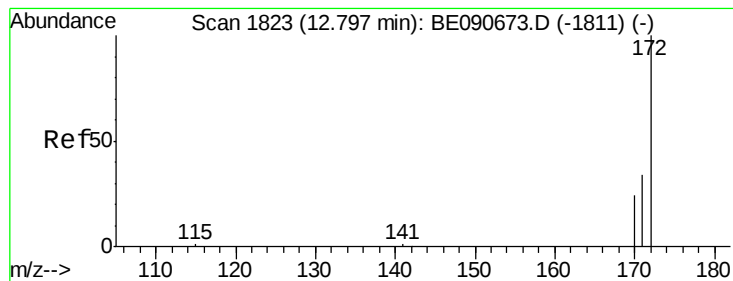


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 3.87 ng

RT: 12.79 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE090784.D

Acq: 11 Sep 2015 14:51

Instrument :

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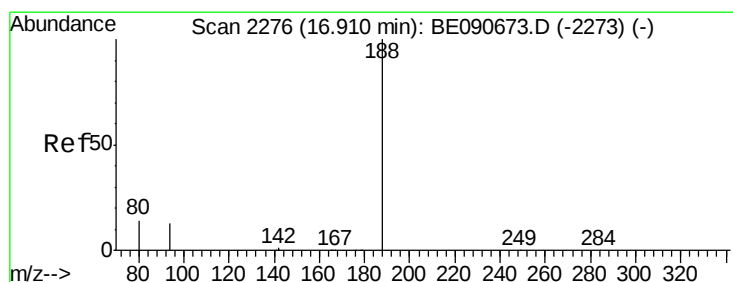
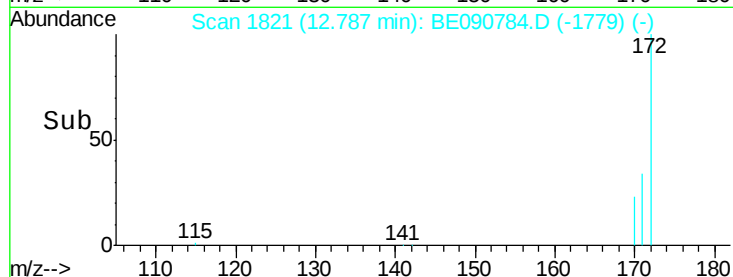
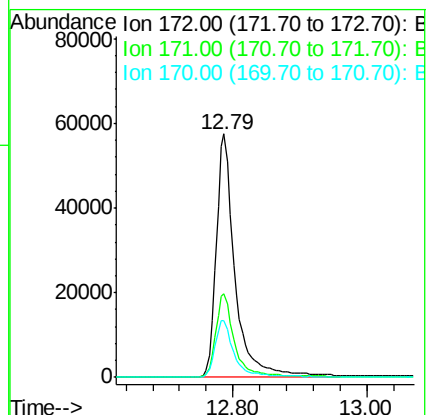
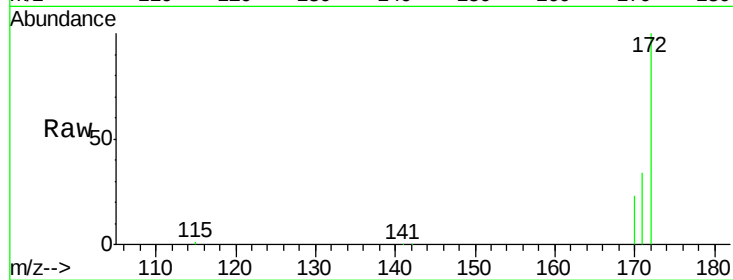
Tot Ion:172 Resp: 112677

Ion Ratio Lower Upper

172 100

171 34.4 27.8 41.8

170 23.4 19.8 29.6



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2275

Delta R.T. -0.00 min

Lab File: BE090784.D

Acq: 11 Sep 2015 14:51

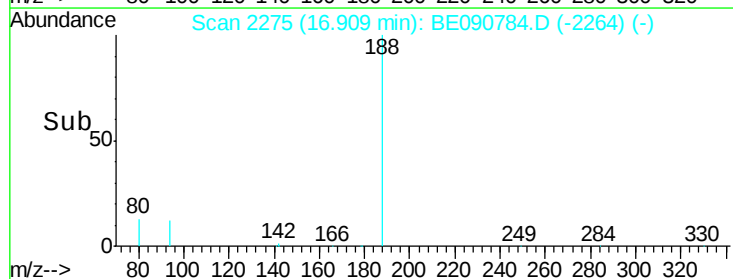
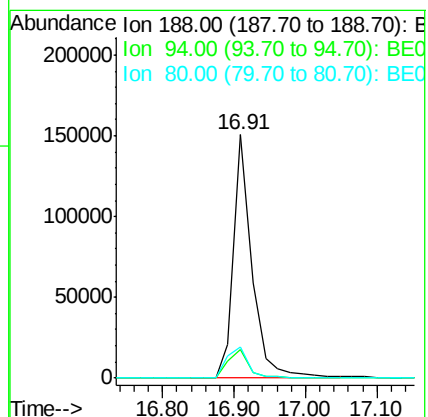
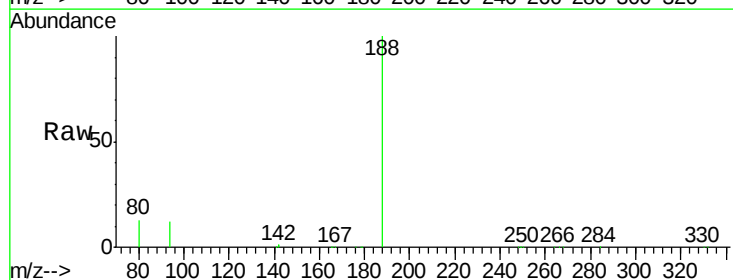
Tgt Ion:188 Resp: 267791

Ion Ratio Lower Upper

188 100

94 11.8 10.3 15.5

80 12.9 11.0 16.6





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BE090784.D

Acq: 11 Sep 2015 14:51

Instrument :

BNA_E

ClientSampleId :

PB85487BL

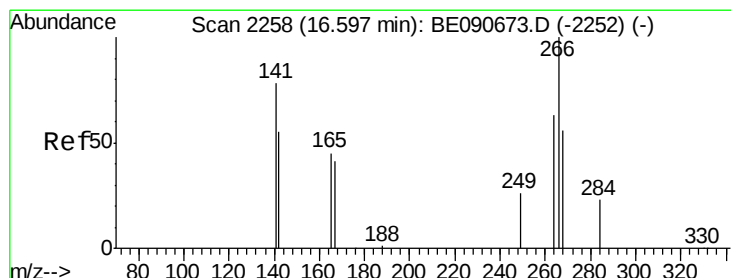
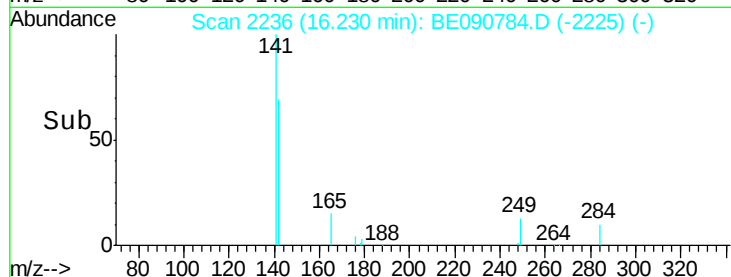
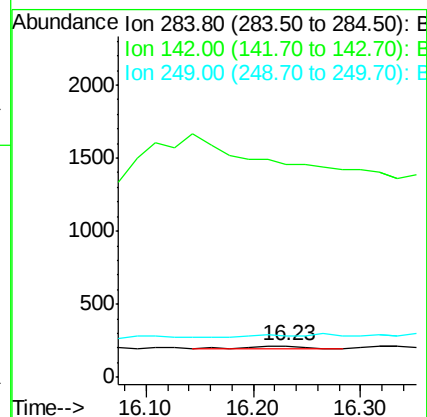
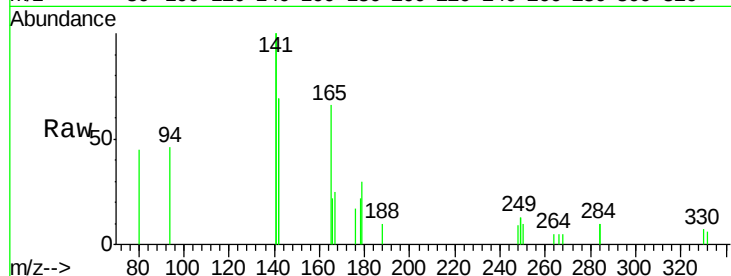
Tot Ion:284 Resp: 77

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

249 79.2 25.5 38.3#



#21

Pentachlorophenol

Concen: 0.46 ng

RT: 16.56 min Scan# 2255

Delta R.T. -0.04 min

Lab File: BE090784.D

Acq: 11 Sep 2015 14:51

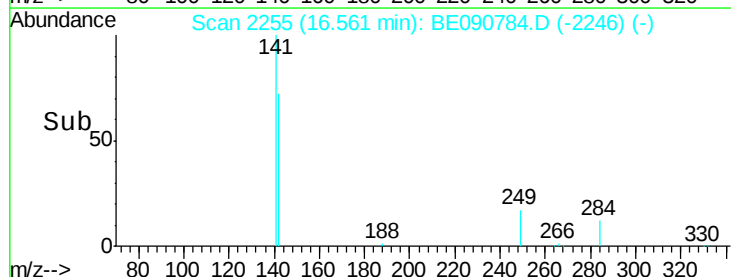
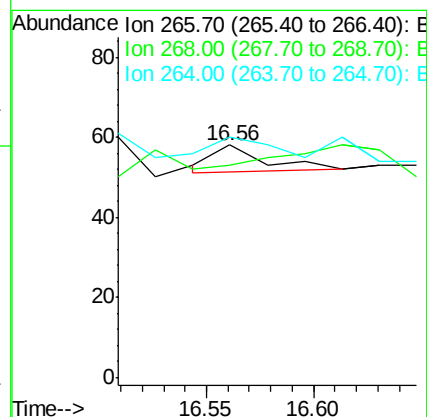
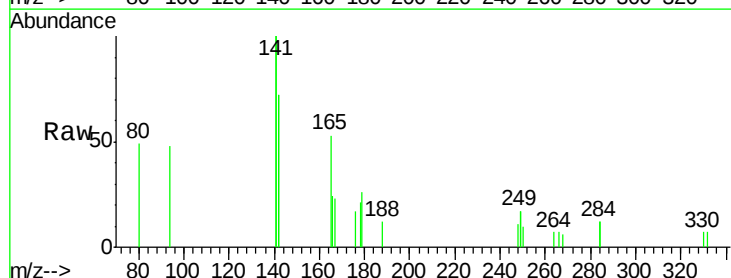
Tgt Ion:266 Resp: 11

Ion Ratio Lower Upper

266 100

268 91.4 49.6 74.4#

264 103.4 53.9 80.9#





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2861

Delta R.T. -0.00 min

Lab File: BE090784.D

Acq: 11 Sep 2015 14:51

Instrument :

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PB85487BL

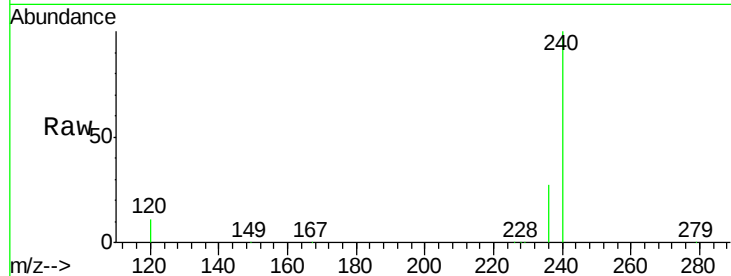
Tot Ion:240 Resp: 290665

Ion Ratio Lower Upper

240 100

120 10.8 10.1 15.1

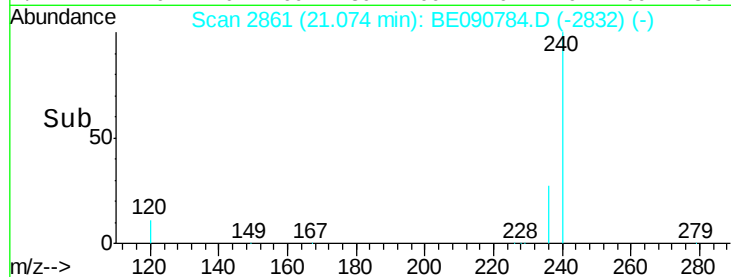
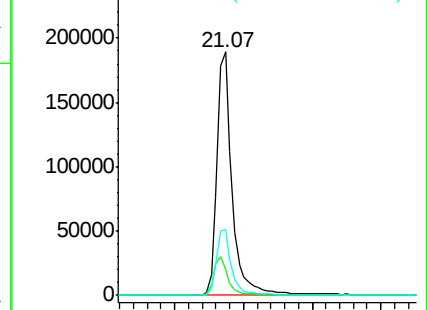
236 26.9 21.9 32.9



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



#27

Terphenyl-d14

Concen: 5.40 ng

RT: 19.53 min Scan# 2608

Delta R.T. -0.01 min

Lab File: BE090784.D

Acq: 11 Sep 2015 14:51

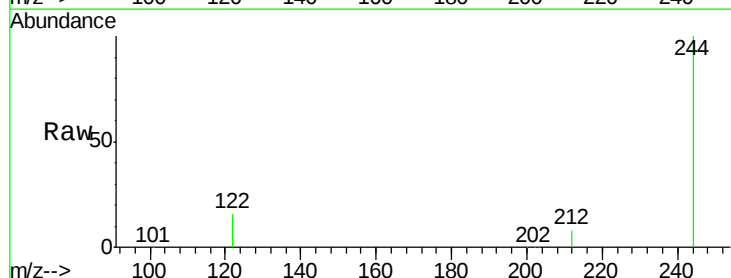
Tgt Ion:244 Resp: 173529

Ion Ratio Lower Upper

244 100

212 8.4 6.9 10.3

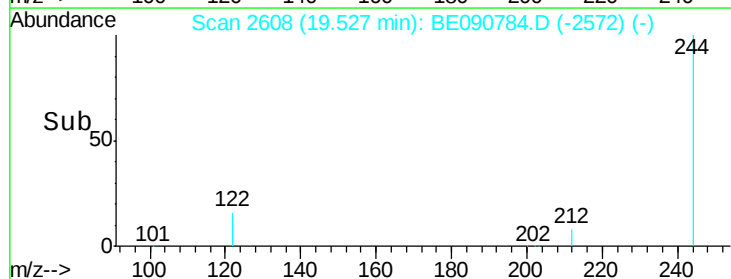
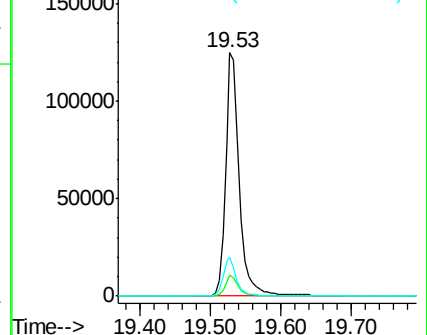
122 16.1 12.9 19.3



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





#29

Chrysene

Concen: Below Cal

RT: 21.11 min Scan# 2866

Delta R.T. 0.00 min

Lab File: BE090784.D

Acq: 11 Sep 2015 14:51

Instrument :

BNA_E

ClientSampleId :

PB85487BL

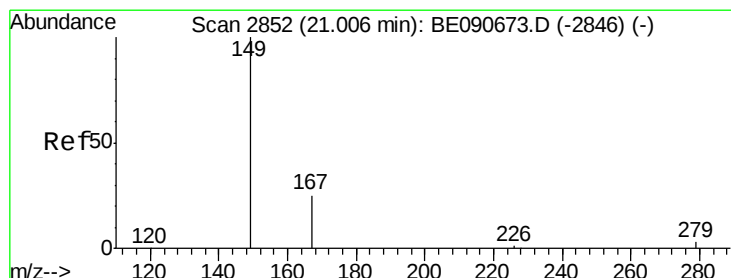
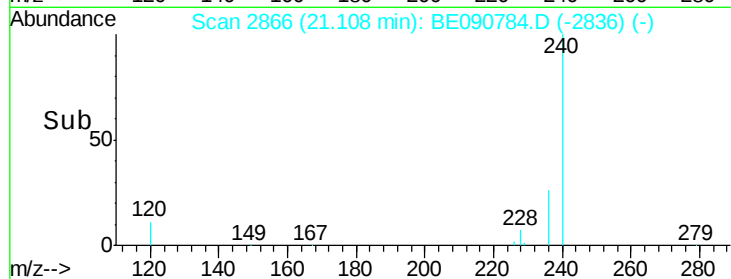
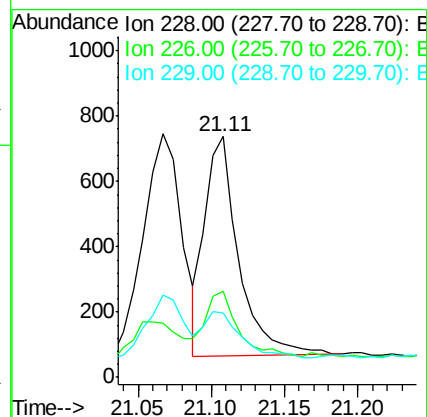
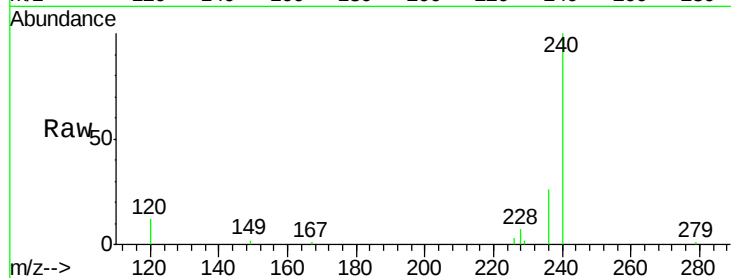
Tot Ion:228 Resp: 1079

Ion Ratio Lower Upper

228 100

226 35.8 24.2 36.4

229 26.7 15.3 22.9#



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.08 ng

RT: 21.00 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE090784.D

Acq: 11 Sep 2015 14:51

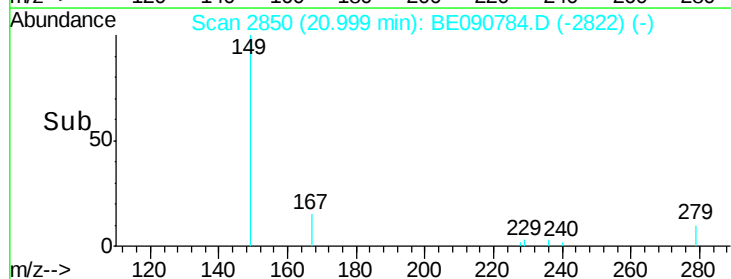
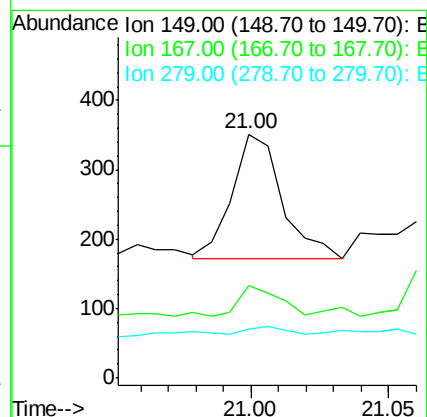
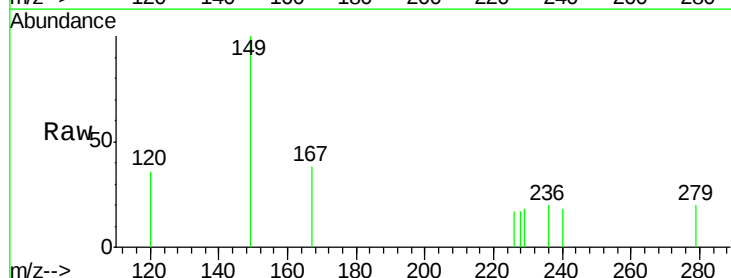
Tgt Ion:149 Resp: 226

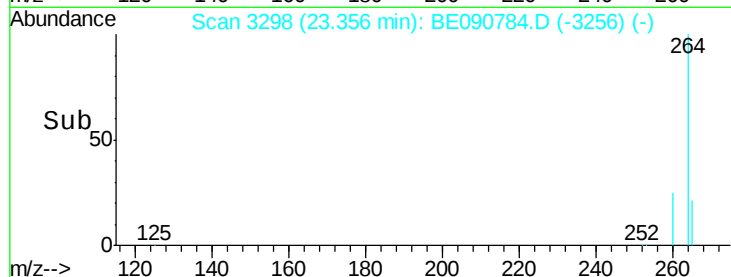
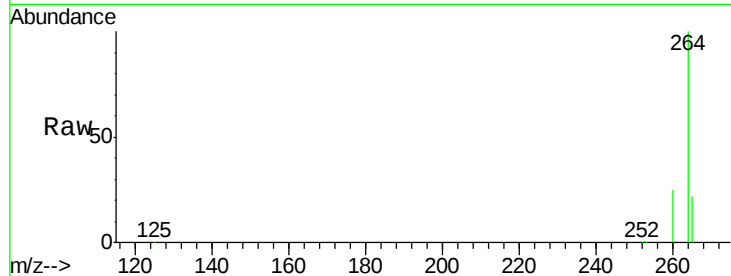
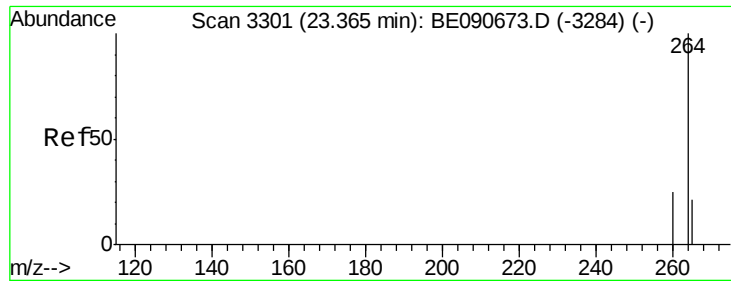
Ion Ratio Lower Upper

149 100

167 21.2 20.1 30.1

279 5.8 2.3 3.5#

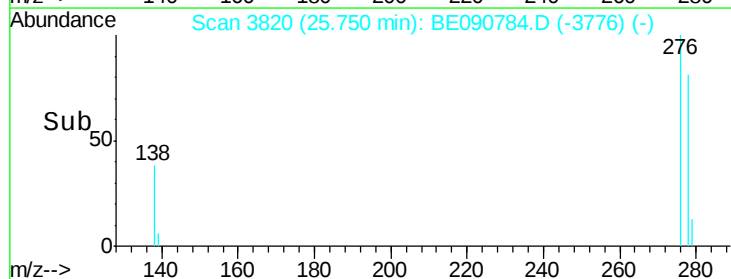
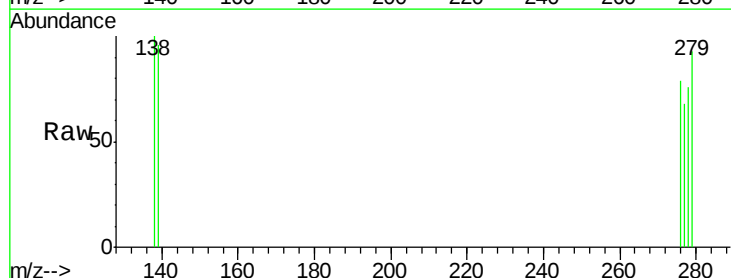
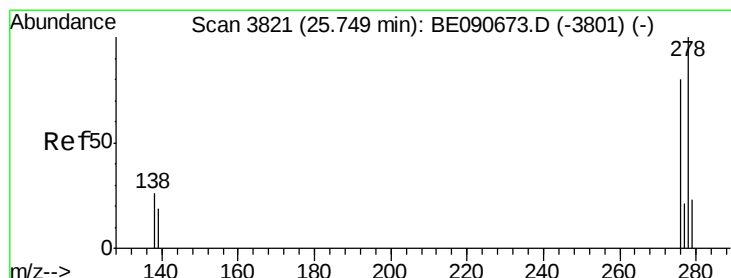
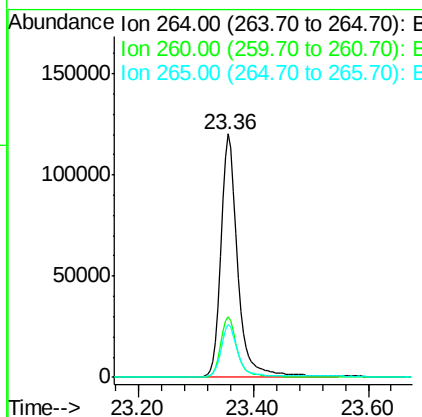




#32
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 3298
 Delta R.T. -0.01 min
 Lab File: BE090784.D
 Acq: 11 Sep 2015 14:51

Instrument :
 BNA_E
 ClientSampleId :
 PB85487BL

Tot Ion:264 Resp: 250362
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.7 29.5
 265 21.5 17.5 26.3



#36
 Dibenzo(a,h)anthracene
 Concen: 0.14 ng
 RT: 25.75 min Scan# 3820
 Delta R.T. 0.00 min
 Lab File: BE090784.D
 Acq: 11 Sep 2015 14:51

Tgt Ion:278 Resp: 17
 Ion Ratio Lower Upper
 278 100
 139 126.2 15.4 23.0#
 279 121.5 18.8 28.2#

