

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE093015\
 Data File : BE090980.D
 Acq On : 30 Sep 2015 15:56
 Operator : UM/IZ
 Sample : PB85802BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB85802BL

Quant Time: Oct 01 01:23:07 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 30 16:01:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	24758	5.00	ng	0.00
7) Naphthalene-d8	10.28	136	89529	5.00	ng	0.03
13) Acenaphthene-d10	14.13	164	54644	5.00	ng	0.02
19) Phenanthrene-d10	16.88	188	139291	5.00	ng	0.02
26) Chrysene-d12	21.03	240	188125	5.00	ng	0.00
35) Perylene-d12	23.28	264	168316	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.11	112	43884	8.74	ng	0.00
5) Phenol-d6	6.71	99	47320	7.47	ng	-0.01
8) Nitrobenzene-d5	8.69	82	18856	3.26	ng	0.04
14) 2,4,6-Tribromophenol	15.64	330	12265	6.51	ng	0.00
15) 2-Fluorobiphenyl	12.77	172	51716	3.49	ng	0.02
29) Terphenyl-d14	19.49	244	102212	4.41	ng	0.00

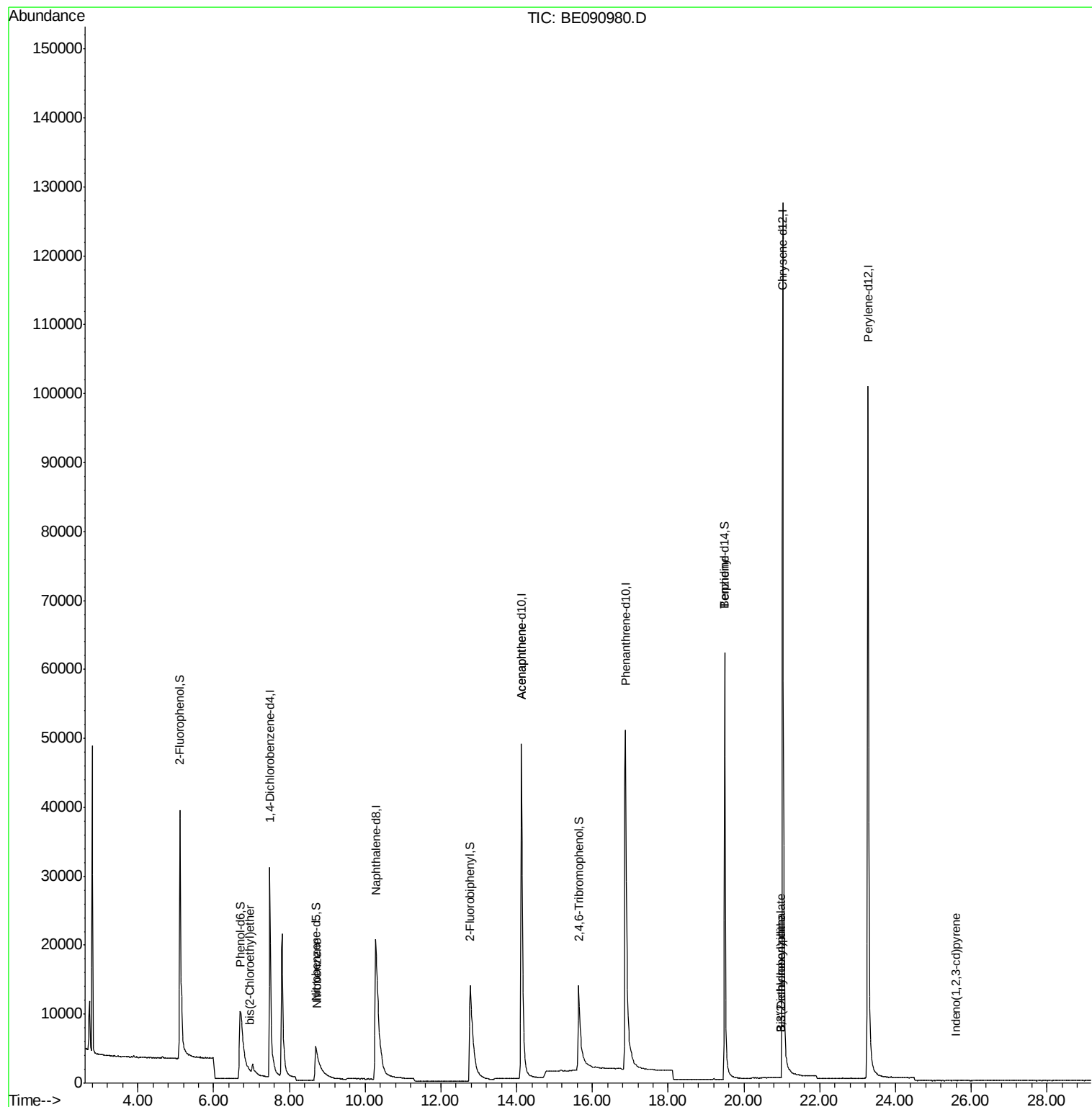
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.38	42	72	Below Cal	#	1
6) bis(2-Chloroethyl)ether	6.96	93	6	0.05 ng	#	28
9) Nitrobenzene	8.74	77	4	0.29 ng	#	38
10) Naphthalene	10.31	128	7	Below Cal	#	1
11) Hexachlorobutadiene	10.64	225	4	Below Cal	#	1
17) Acenaphthene	14.12	154	340	0.02 ng	#	1
21) Hexachlorobenzene	16.20	284	56	Below Cal	#	38
23) Phenanthrene	16.93	178	124	Below Cal	#	62
25) Fluoranthene	18.95	202	20	Below Cal	#	48
27) Benzidine	19.49	184	1861	0.70 ng	#	93
28) Pyrene	19.31	202	12	Below Cal	#	24
31) 3,3'-Dichlorobenzidine	20.95	252	21	0.03 ng	#	63
32) Chrysene	21.03	228	602	Below Cal	#	78
33) Bis(2-ethylhexyl)phthalate	20.97	149	79	0.06 ng	#	49
34) Indeno(1,2,3-cd)pyrene	25.60	276	2	0.11 ng	#	1
37) Benzo(k)fluoranthene	22.64	252	12	Below Cal	#	1

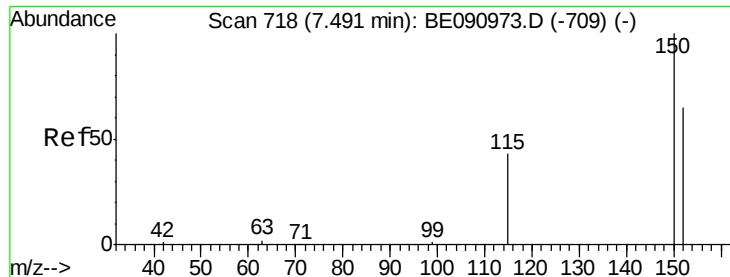
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE093015\
Data File : BE090980.D
Acq On : 30 Sep 2015 15:56
Operator : UM/IZ
Sample : PB85802BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB85802BL

Quant Time: Oct 01 01:23:07 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 30 16:01:03 2015
Response via : Initial Calibration



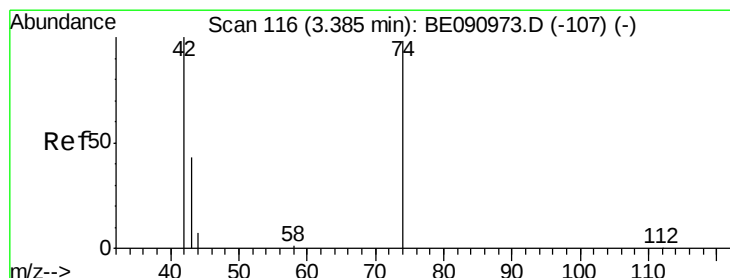
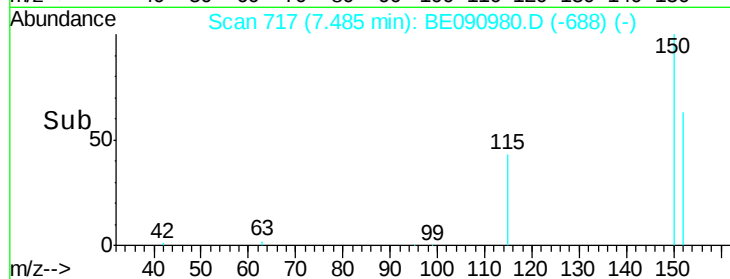
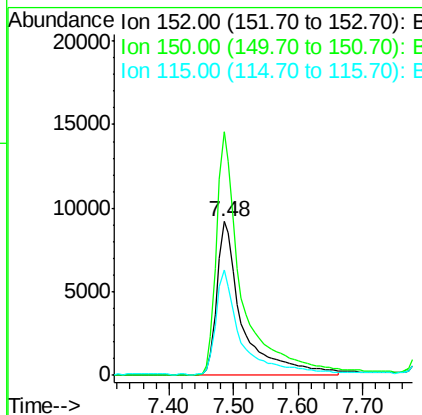
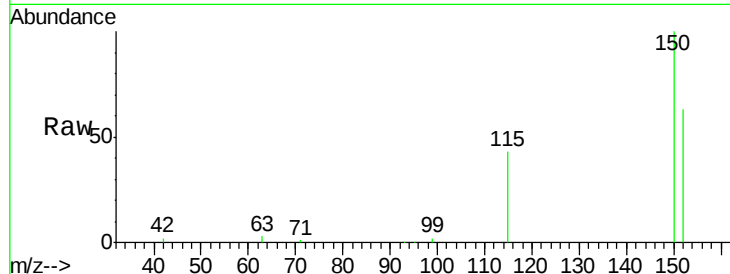


#1

1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.48 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: BE090980.D
 Acq: 30 Sep 2015 15:56

Instrument :
 BNA_E
 ClientSampleId :
 PB85802BL

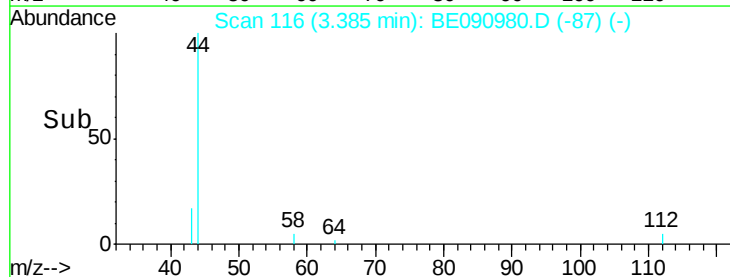
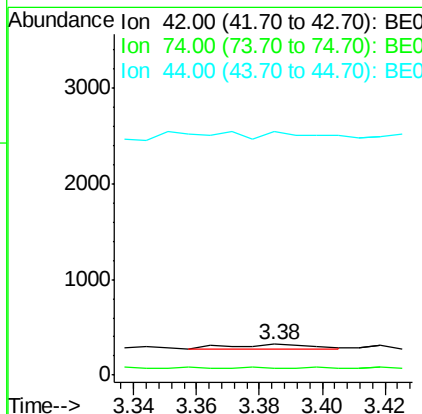
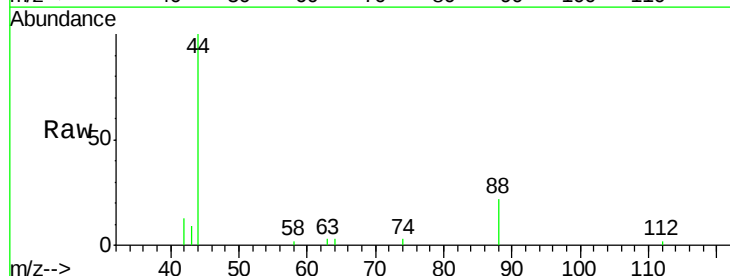
Tgt Ion: 152 Resp: 24758
 Ion Ratio Lower Upper
 152 100
 150 158.6 122.6 183.8
 115 68.8 52.8 79.2

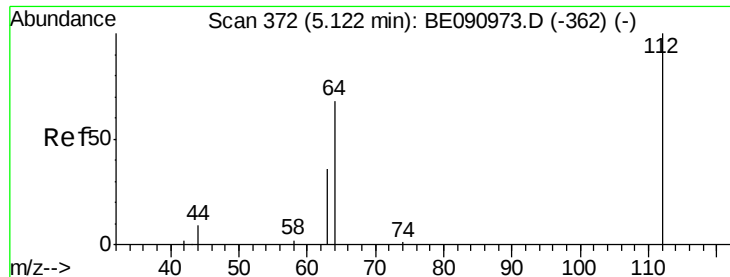


#3

n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.38 min Scan# 116
 Delta R.T. -0.00 min
 Lab File: BE090980.D
 Acq: 30 Sep 2015 15:56

Tgt Ion: 42 Resp: 72
 Ion Ratio Lower Upper
 42 100
 74 0.0 87.9 131.9#
 44 127.8 6.6 9.8#





#4

2-Fluorophenol

Concen: 8.74 ng

RT: 5.11 min Scan# 371

Delta R.T. -0.01 min

Lab File: BE090980.D

Acq: 30 Sep 2015 15:56

Instrument :

BNA_E

ClientSampleId :

PB85802BL

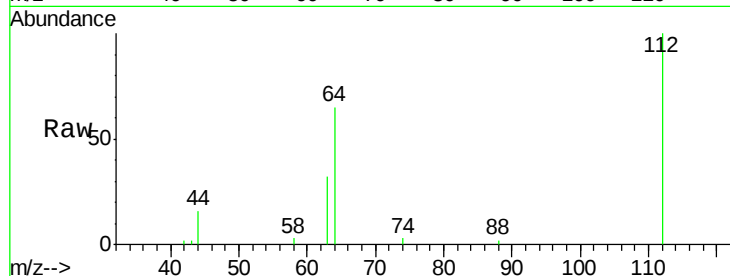
Tgt Ion: 112 Resp: 43884

Ion Ratio Lower Upper

112 100

64 69.4 30.9 46.3#

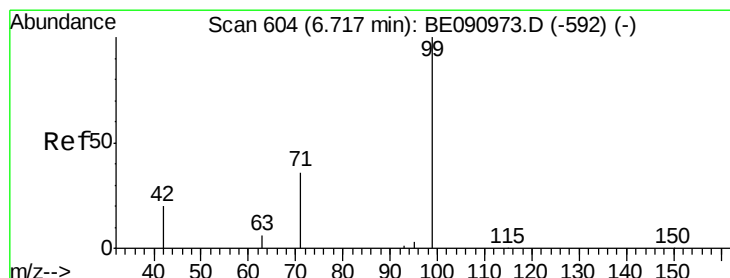
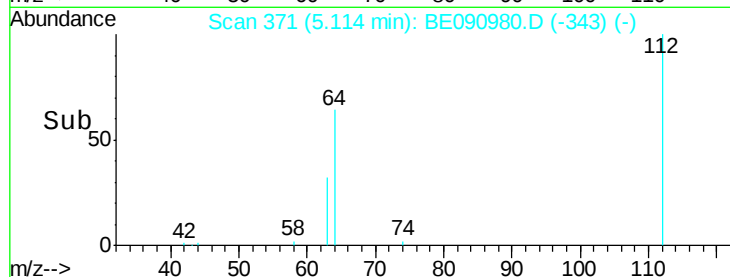
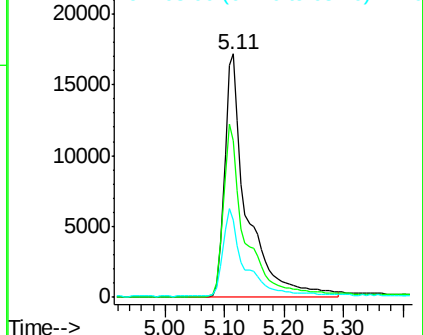
63 35.5 16.7 25.1#



Abundance Ion 112.00 (111.70 to 112.70): BE090973.D (-362) (-)

Ion 64.00 (63.70 to 64.70): BE090973.D (-362) (-)

Ion 63.00 (62.70 to 63.70): BE090973.D (-362) (-)



#5

Phenol-d6

Concen: 7.47 ng

RT: 6.71 min Scan# 602

Delta R.T. -0.01 min

Lab File: BE090980.D

Acq: 30 Sep 2015 15:56

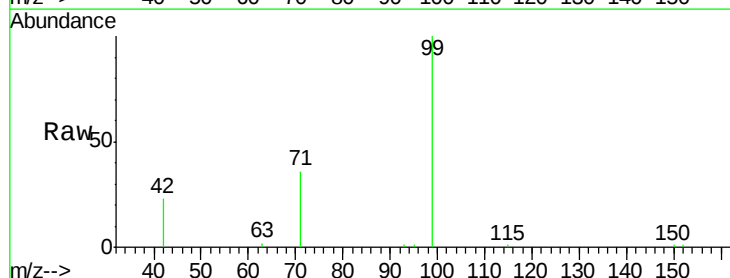
Tgt Ion: 99 Resp: 47320

Ion Ratio Lower Upper

99 100

42 21.0 16.2 24.2

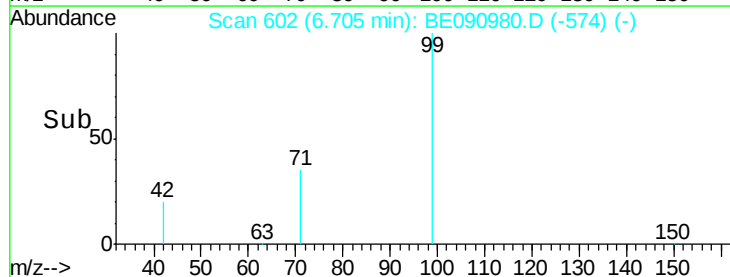
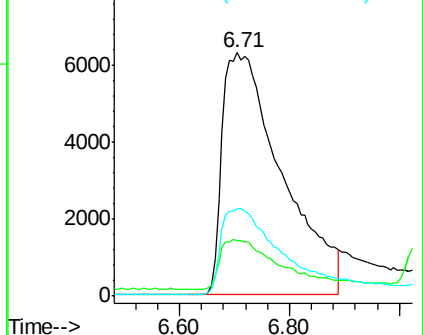
71 35.5 29.0 43.4

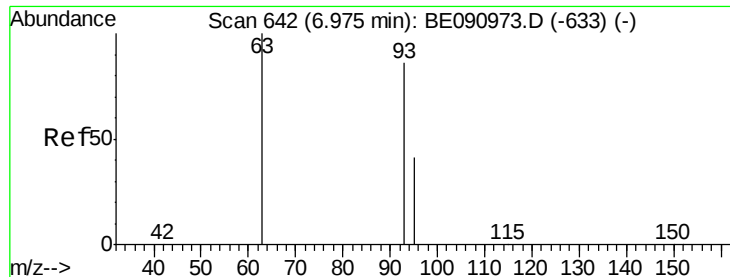


Abundance Ion 99.00 (98.70 to 99.70): BE090973.D (-592) (-)

Ion 42.00 (41.70 to 42.70): BE090973.D (-592) (-)

Ion 71.00 (70.70 to 71.70): BE090973.D (-592) (-)





#6

bis(2-Chloroethyl)ether

Concen: 0.05 ng

RT: 6.96 min Scan# 639

Delta R.T. -0.02 min

Lab File: BE090980.D

Acq: 30 Sep 2015 15:56

Instrument :

BNA_E

ClientSampled :

PB85802BL

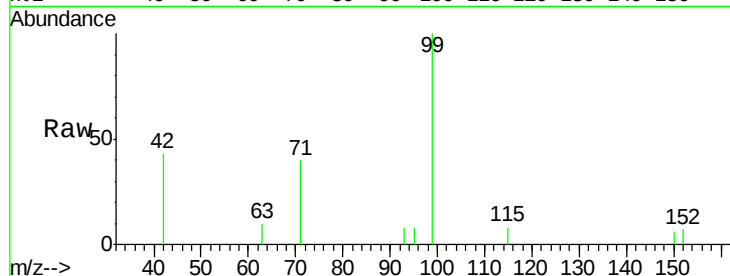
Tgt Ion: 93 Resp: 6

Ion Ratio Lower Upper

93 100

63 0.0 49.5 74.3#

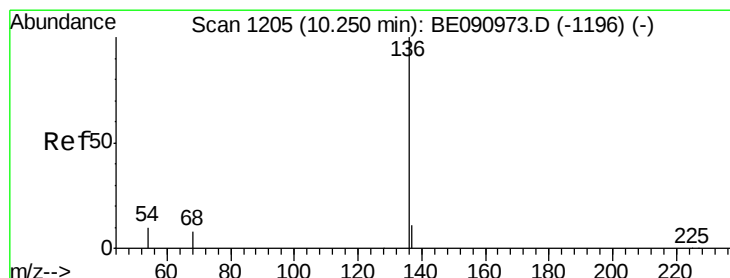
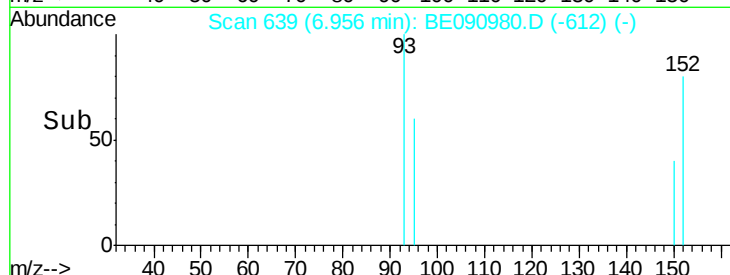
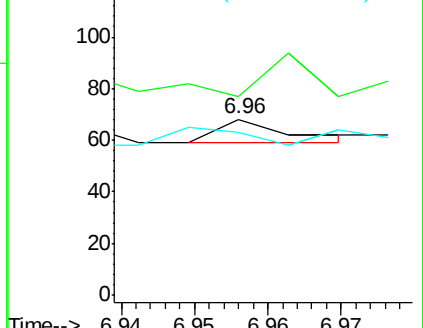
95 0.0 22.2 33.4#



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.28 min Scan# 1208

Delta R.T. 0.03 min

Lab File: BE090980.D

Acq: 30 Sep 2015 15:56

Tgt Ion: 136 Resp: 89529

Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 11.5 8.2 12.4

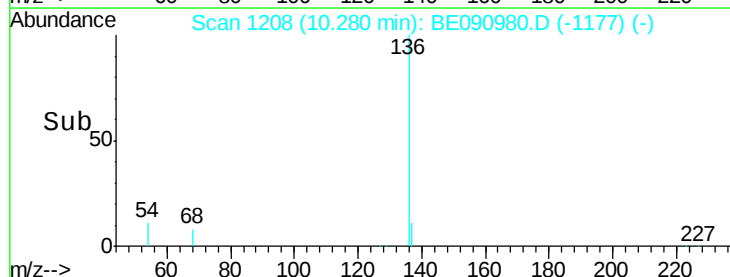
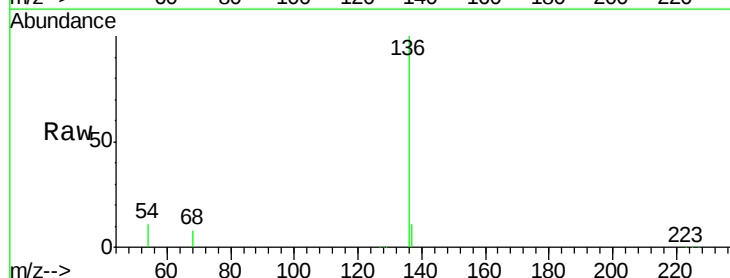
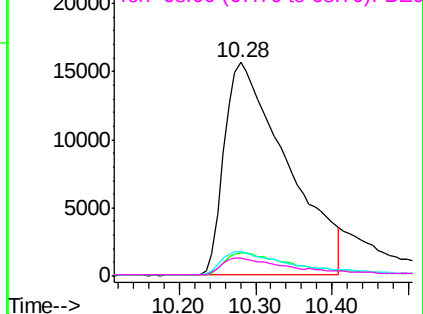
68 8.1 6.2 9.4

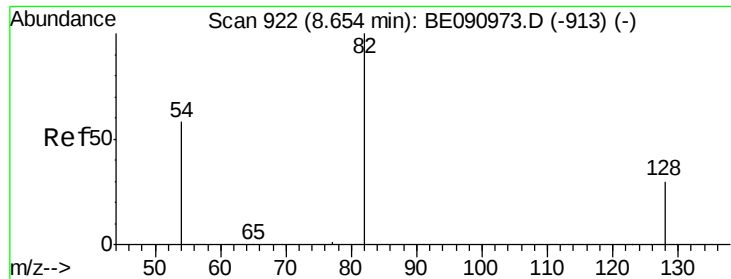
Abundance Ion 136.00 (135.70 to 136.70): E

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





#8

Nitrobenzene-d5

Concen: 3.26 ng

RT: 8.69 min Scan# 930

Delta R.T. 0.04 min

Lab File: BE090980.D

Acq: 30 Sep 2015 15:56

Instrument :

BNA_E

ClientSampleId :

PB85802BL

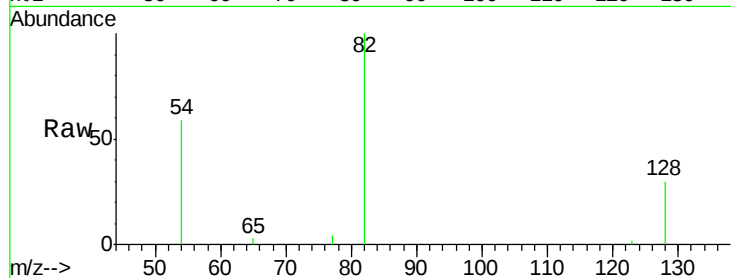
Tgt Ion: 82 Resp: 18856

Ion Ratio Lower Upper

82 100

128 30.1 25.4 38.0

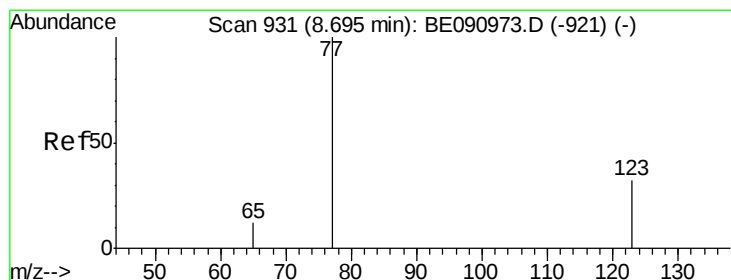
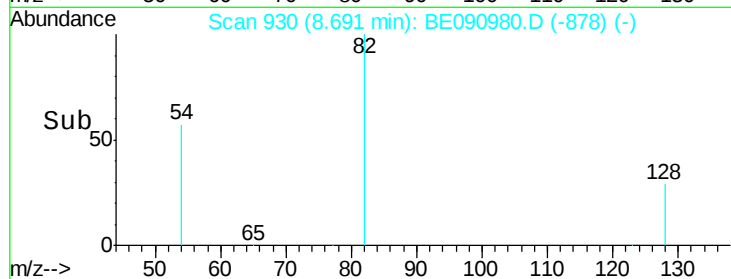
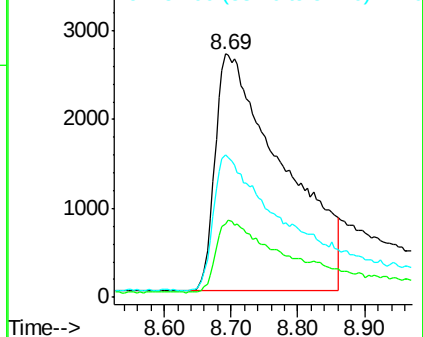
54 58.7 48.4 72.6



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



#9

Nitrobenzene

Concen: 0.29 ng

RT: 8.74 min Scan# 940

Delta R.T. 0.04 min

Lab File: BE090980.D

Acq: 30 Sep 2015 15:56

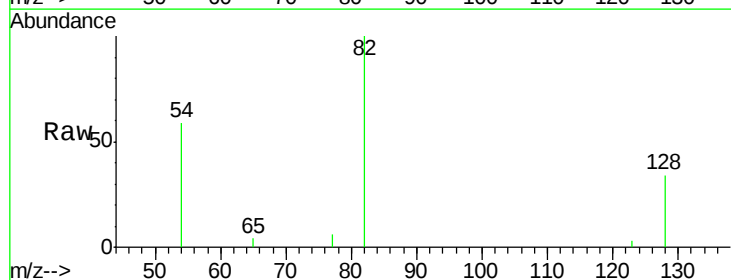
Tgt Ion: 77 Resp: 4

Ion Ratio Lower Upper

77 100

123 75.0 26.9 40.3#

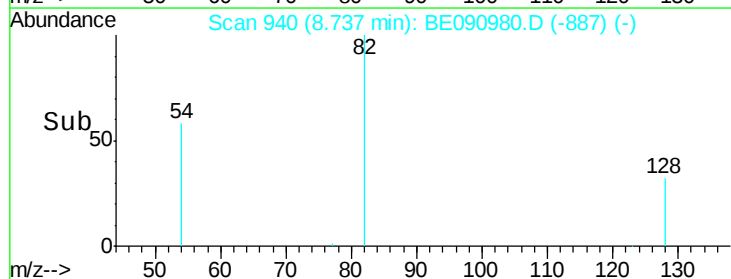
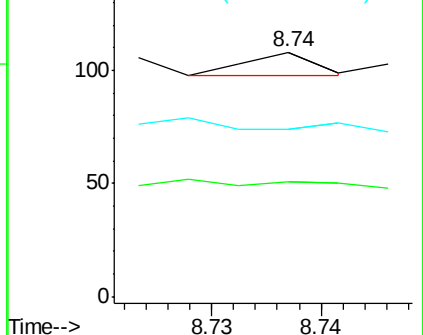
65 0.0 9.4 14.2#

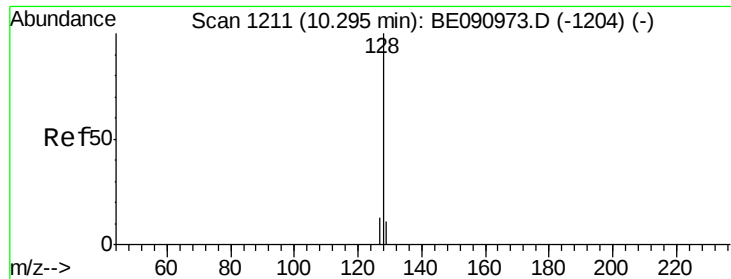


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

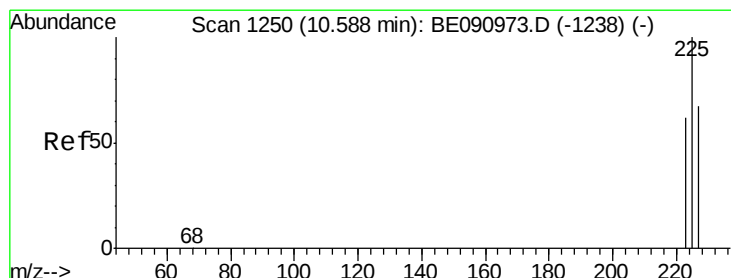
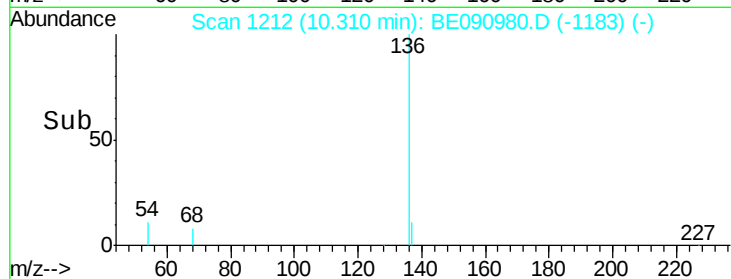
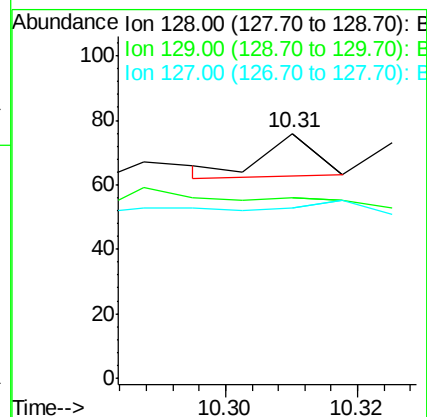
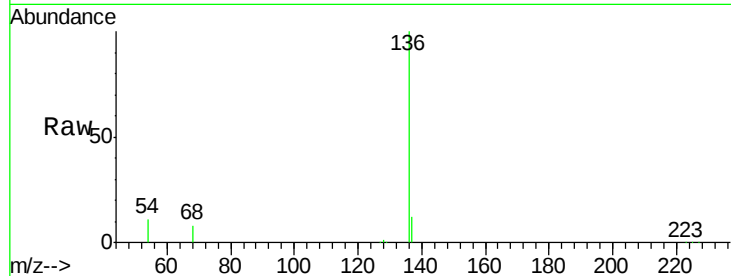




#10
Naphthalene
Concen: Below Cal
RT: 10.31 min Scan# 1212
Delta R.T. 0.02 min
Lab File: BE090980.D
Acq: 30 Sep 2015 15:56

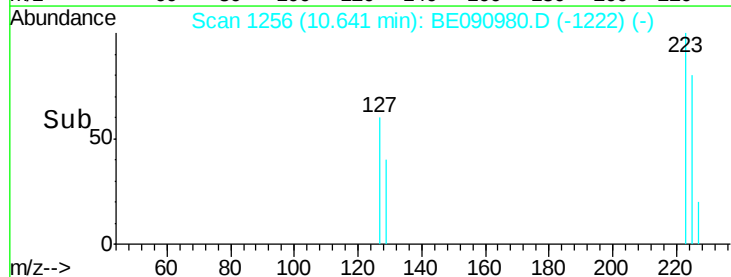
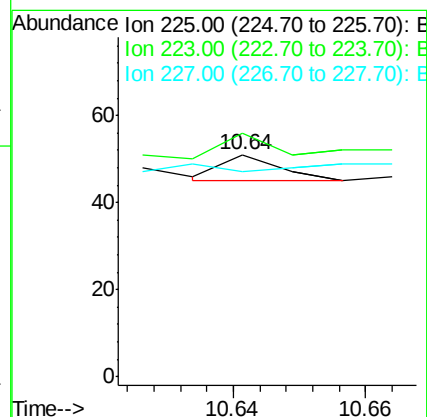
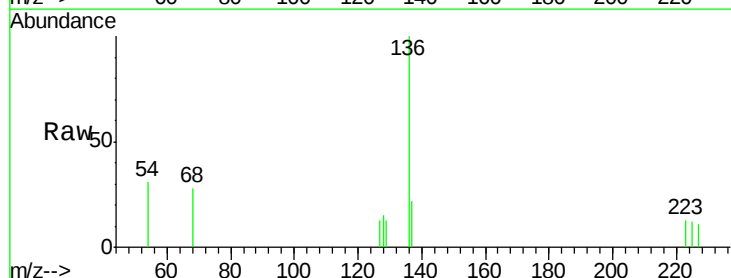
Instrument :
BNA_E
ClientSampleId :
PB85802BL

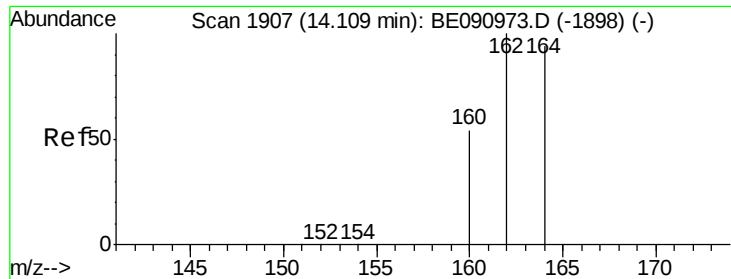
Tgt Ion:128 Resp: 7
Ion Ratio Lower Upper
128 100
129 73.7 9.3 13.9#
127 69.7 10.7 16.1#



#11
Hexachlorobutadiene
Concen: Below Cal
RT: 10.64 min Scan# 1256
Delta R.T. 0.05 min
Lab File: BE090980.D
Acq: 30 Sep 2015 15:56

Tgt Ion:225 Resp: 4
Ion Ratio Lower Upper
225 100
223 250.0 49.0 73.6#
227 0.0 50.3 75.5#





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.13 min Scan# 1909

Delta R.T. 0.02 min

Lab File: BE090980.D

Acq: 30 Sep 2015 15:56

Instrument :

BNA_E

ClientSampleId :

PB85802BL

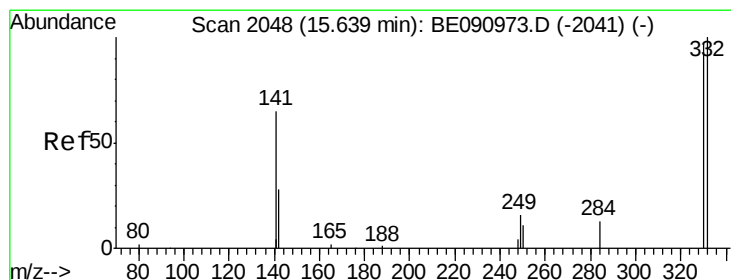
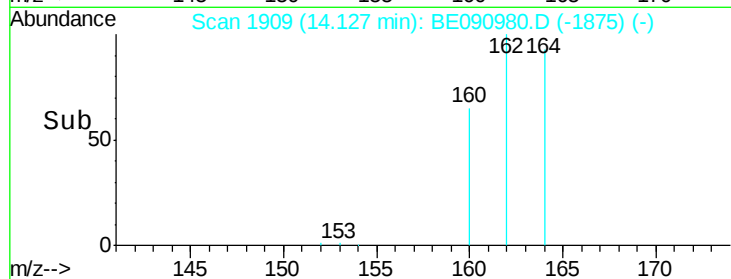
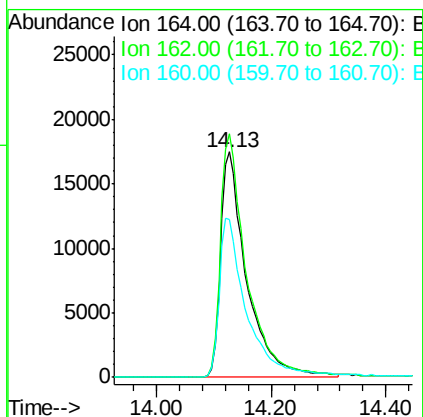
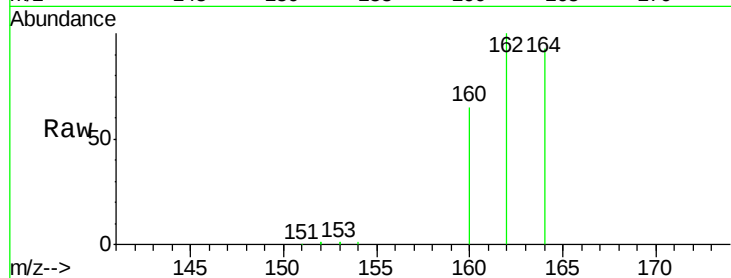
Tgt Ion:164 Resp: 54644

Ion Ratio Lower Upper

164 100

162 108.1 85.3 127.9

160 69.9 46.2 69.2#



#14

2,4,6-Tribromophenol

Concen: 6.51 ng

RT: 15.64 min Scan# 2048

Delta R.T. 0.00 min

Lab File: BE090980.D

Acq: 30 Sep 2015 15:56

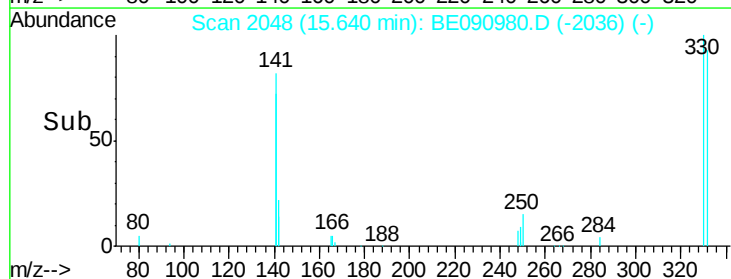
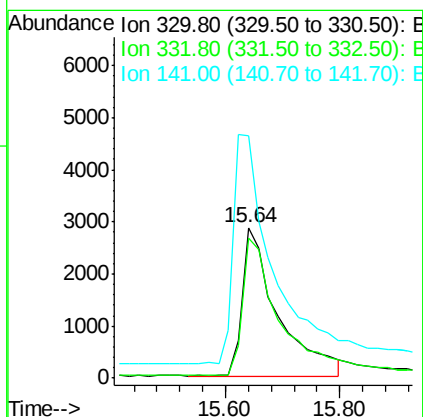
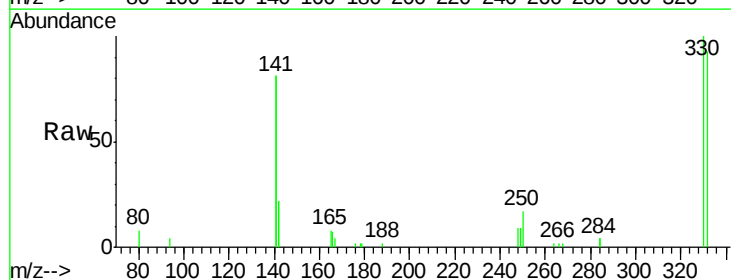
Tgt Ion:330 Resp: 12265

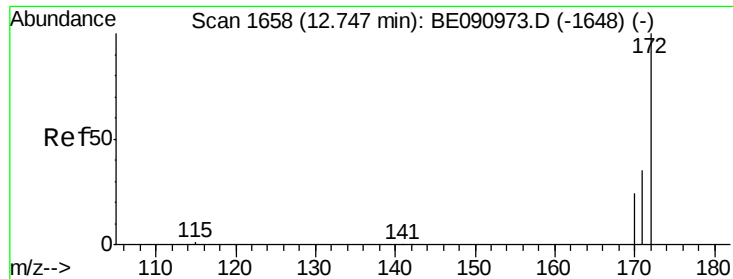
Ion Ratio Lower Upper

330 100

332 96.6 79.1 118.7

141 173.2 125.4 188.0

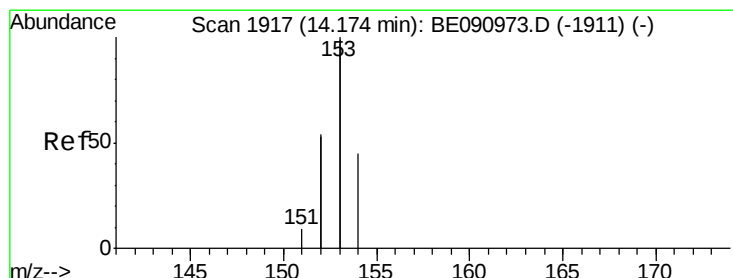
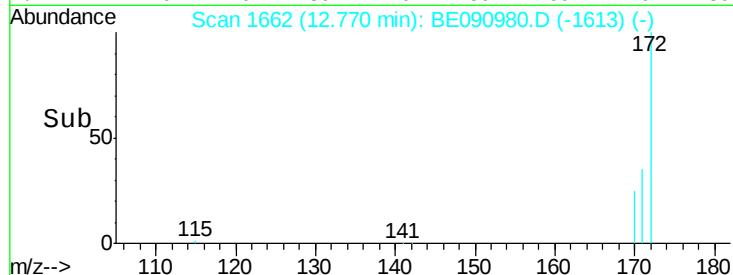
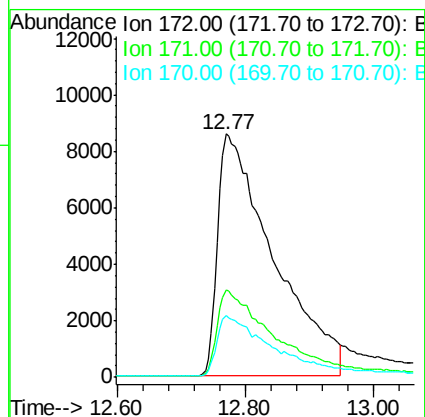
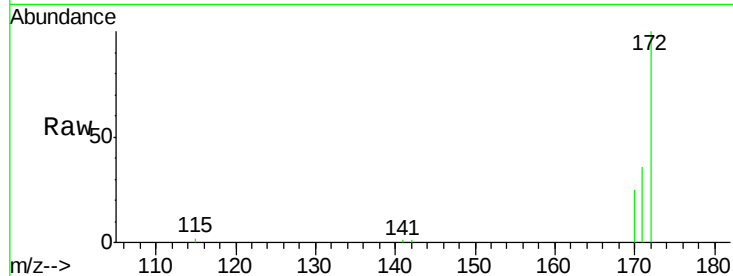




#15
2-Fluorobiphenyl
Concen: 3.49 ng
RT: 12.77 min Scan# 1662
Delta R.T. 0.02 min
Lab File: BE090980.D
Acq: 30 Sep 2015 15:56

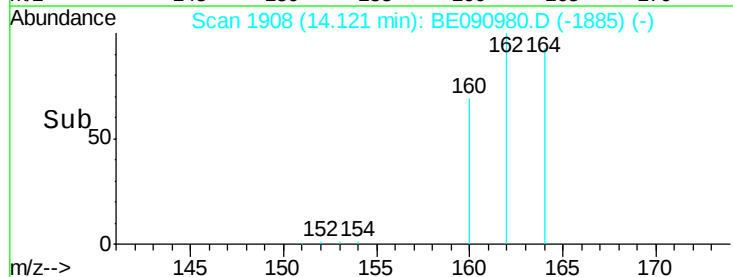
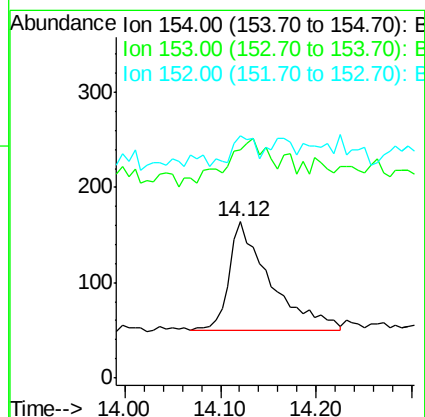
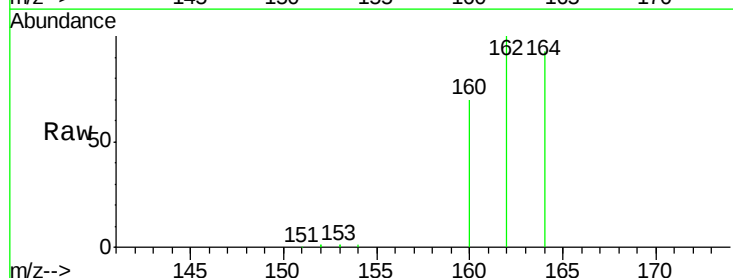
Instrument :
BNA_E
ClientSampleId :
PB85802BL

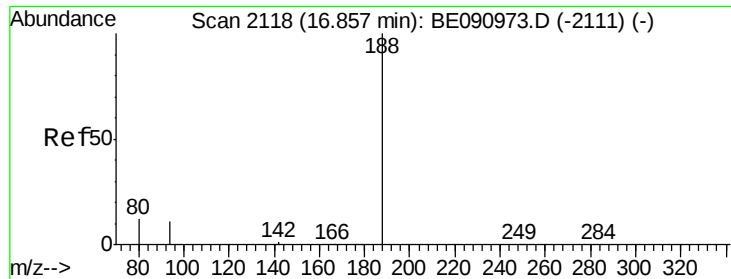
Tgt Ion:172 Resp: 51716
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 25.2 19.3 28.9



#17
Acenaphthene
Concen: 0.02 ng
RT: 14.12 min Scan# 1908
Delta R.T. -0.05 min
Lab File: BE090980.D
Acq: 30 Sep 2015 15:56

Tgt Ion:154 Resp: 340
Ion Ratio Lower Upper
154 100
153 23.2 352.0 528.0#
152 10.3 200.0 300.0#





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.88 min Scan# 2119

Delta R.T. 0.02 min

Lab File: BE090980.D

Acq: 30 Sep 2015 15:56

Instrument :

BNA_E

ClientSampleId :

PB85802BL

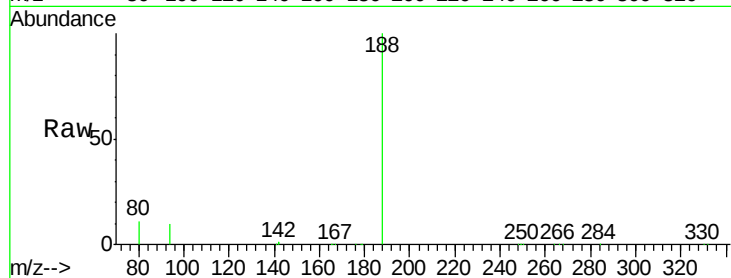
Tgt Ion:188 Resp: 139291

Ion Ratio Lower Upper

188 100

94 10.1 8.7 13.1

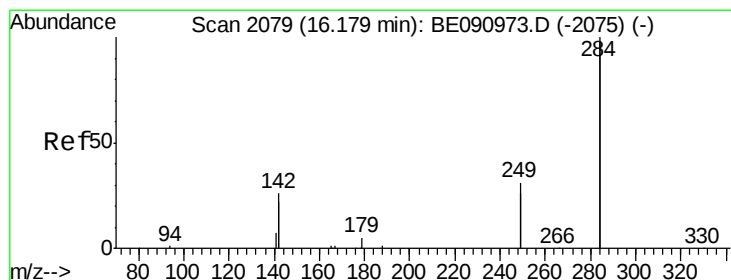
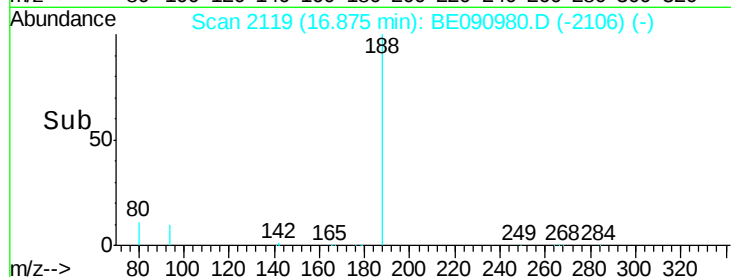
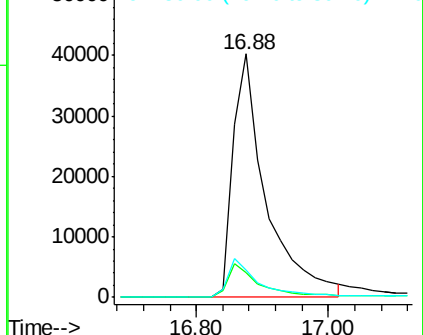
80 11.4 9.4 14.0



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



#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.20 min Scan# 2080

Delta R.T. 0.02 min

Lab File: BE090980.D

Acq: 30 Sep 2015 15:56

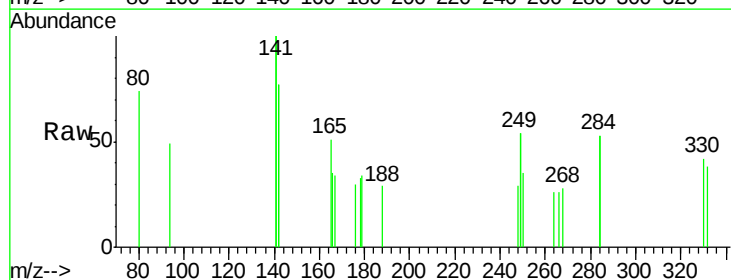
Tgt Ion:284 Resp: 56

Ion Ratio Lower Upper

284 100

142 0.0 32.2 48.2#

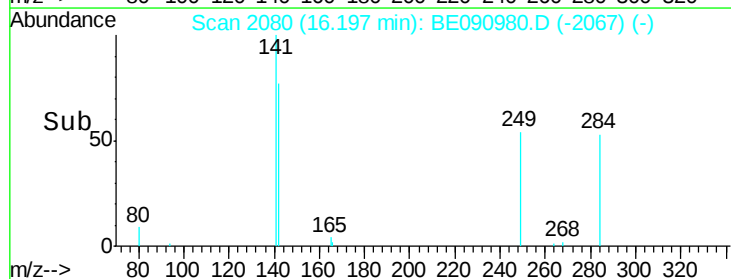
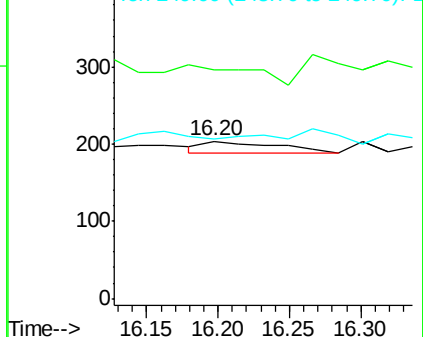
249 0.0 25.4 38.2#

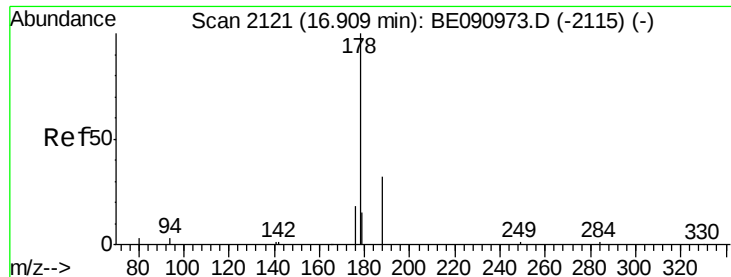


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#23

Phenanthrene

Concen: Below Cal

RT: 16.93 min Scan# 2122

Delta R.T. 0.02 min

Lab File: BE090980.D

Acq: 30 Sep 2015 15:56

Instrument :

BNA_E

ClientSampleId :

PB85802BL

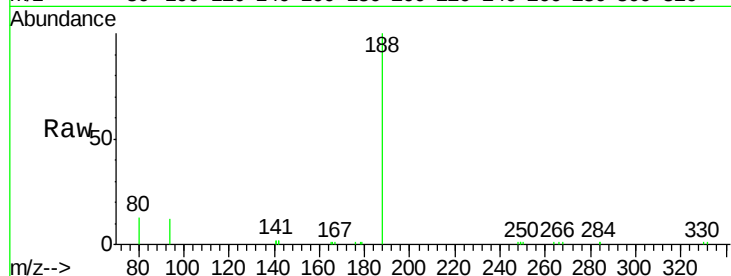
Tgt Ion:178 Resp: 124

Ion Ratio Lower Upper

178 100

176 36.3 15.3 22.9#

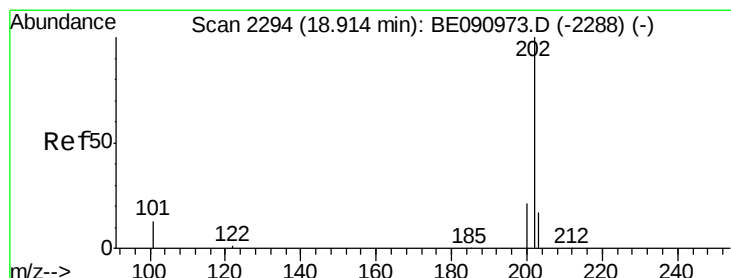
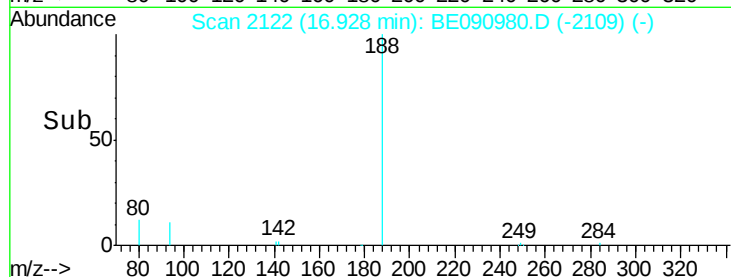
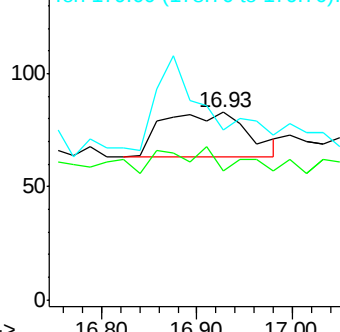
179 0.0 12.6 18.8#



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



#25

Fluoranthene

Concen: Below Cal

RT: 18.95 min Scan# 2299

Delta R.T. 0.04 min

Lab File: BE090980.D

Acq: 30 Sep 2015 15:56

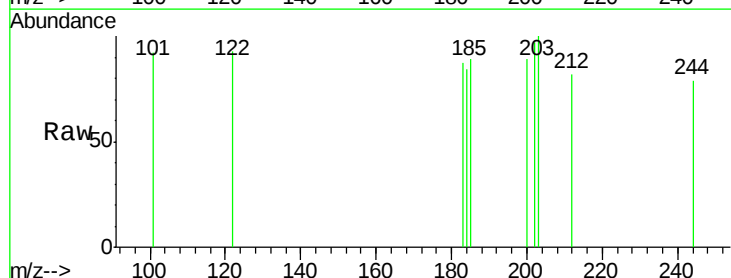
Tgt Ion:202 Resp: 20

Ion Ratio Lower Upper

202 100

101 35.0 11.0 16.6#

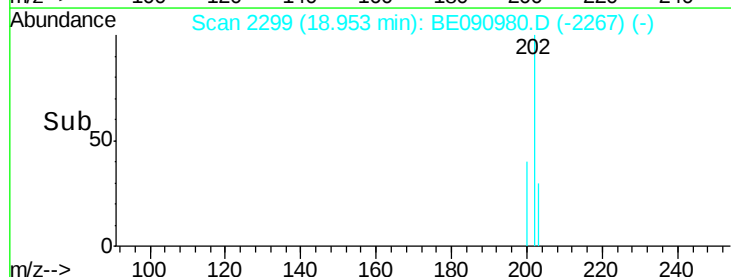
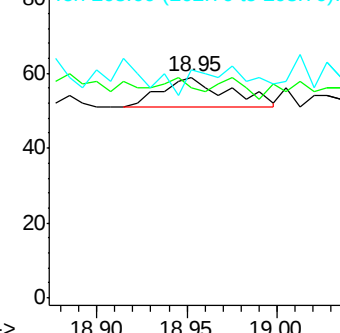
203 40.0 13.9 20.9#

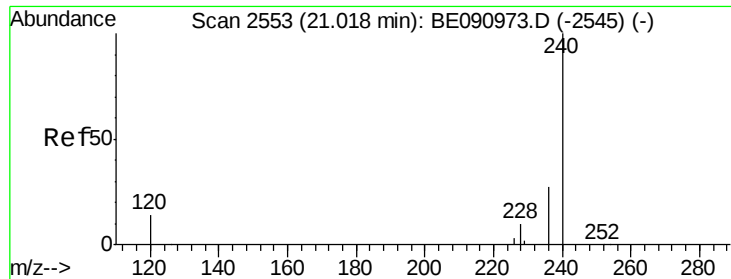


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

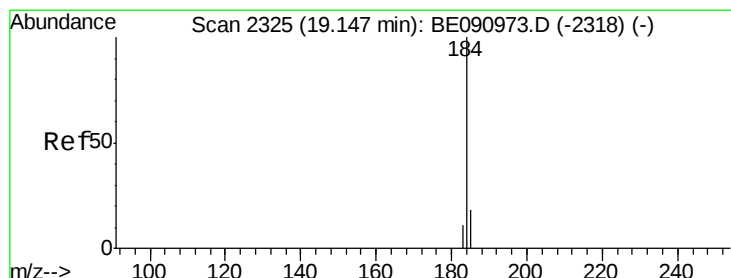
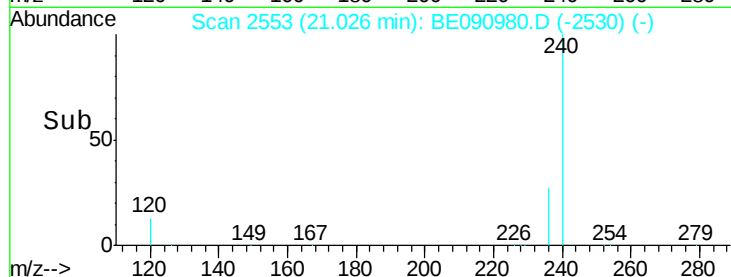
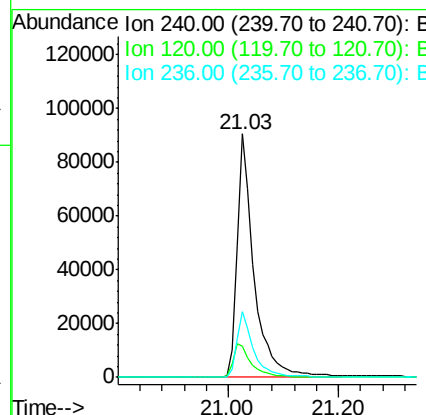
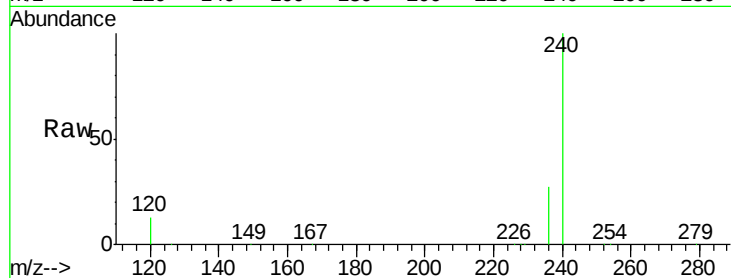




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.03 min Scan# 2553
Delta R.T. 0.01 min
Lab File: BE090980.D
Acq: 30 Sep 2015 15:56

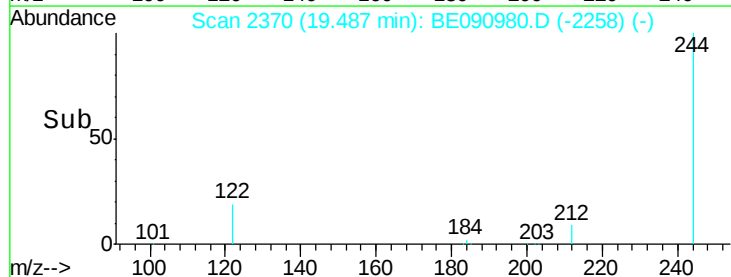
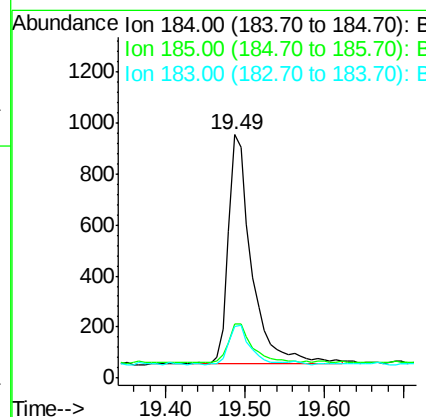
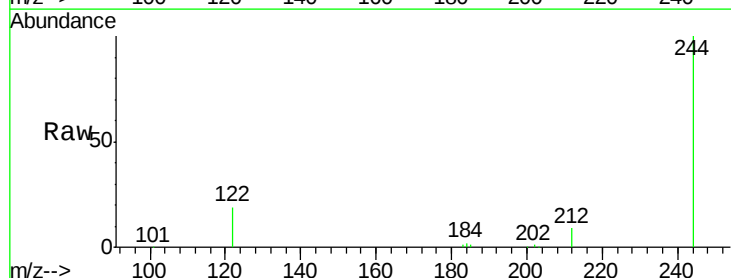
Instrument :
BNA_E
ClientSampleId :
PB85802BL

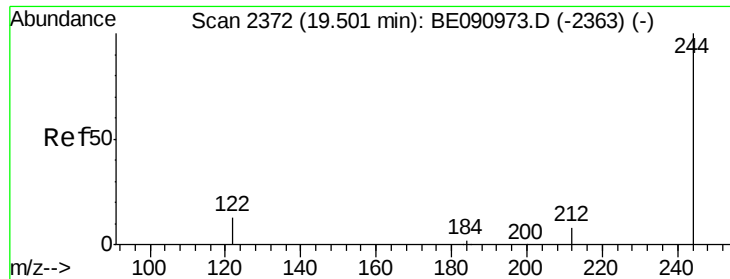
Tgt Ion:240 Resp: 188125
Ion Ratio Lower Upper
240 100
120 12.9 11.0 16.4
236 26.7 21.7 32.5



#27
Benzidine
Concen: 0.70 ng
RT: 19.49 min Scan# 2370
Delta R.T. 0.34 min
Lab File: BE090980.D
Acq: 30 Sep 2015 15:56

Tgt Ion:184 Resp: 1861
Ion Ratio Lower Upper
184 100
185 22.1 22.3 33.5#
183 21.2 16.4 24.6





#29

Terphenyl-d14

Concen: 4.41 ng

RT: 19.49 min Scan# 2371

Delta R.T. -0.01 min

Lab File: BE090980.D

Acq: 30 Sep 2015 15:56

Instrument :

BNA_E

ClientSampleId :

PB85802BL

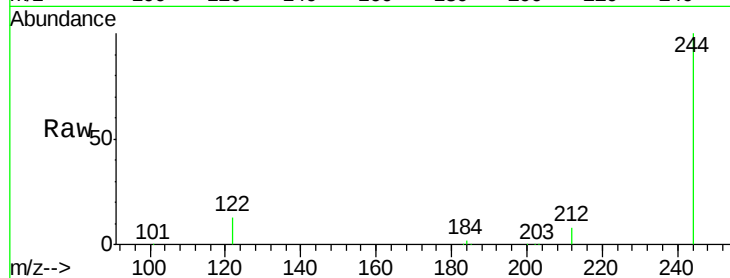
Tgt Ion:244 Resp: 102212

Ion Ratio Lower Upper

244 100

212 8.2 6.9 10.3

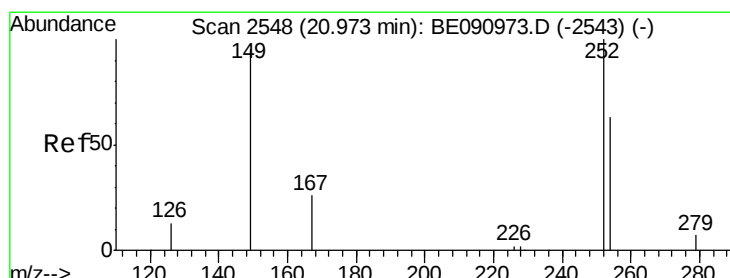
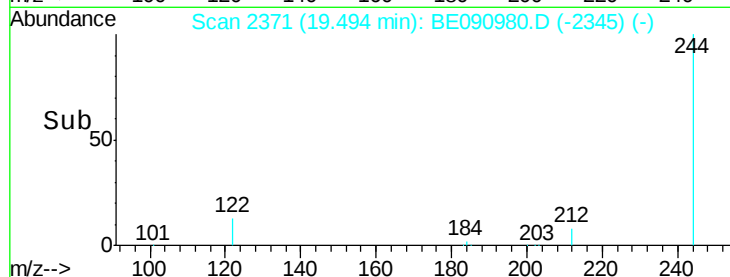
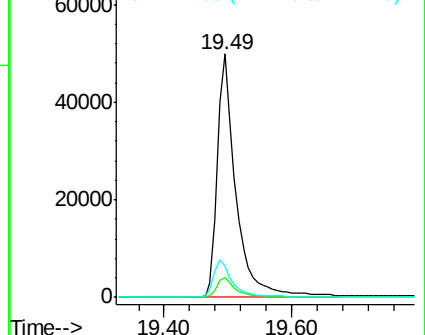
122 12.9 11.0 16.4



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



#31

3,3'-Dichlorobenzidine

Concen: 0.03 ng

RT: 20.95 min Scan# 2545

Delta R.T. -0.02 min

Lab File: BE090980.D

Acq: 30 Sep 2015 15:56

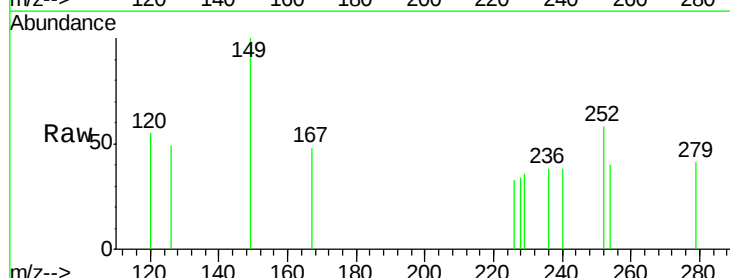
Tgt Ion:252 Resp: 21

Ion Ratio Lower Upper

252 100

254 69.4 51.1 76.7

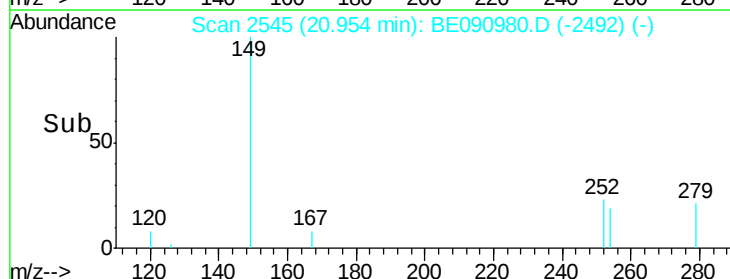
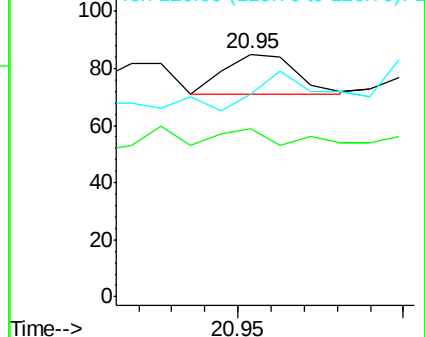
126 83.5 12.6 18.8#

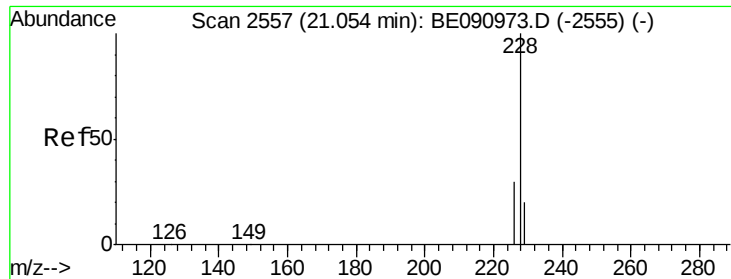


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#32

Chrysene

Concen: Below Cal

RT: 21.03 min Scan# 2553

Delta R.T. -0.03 min

Lab File: BE090980.D

Acq: 30 Sep 2015 15:56

Instrument :

BNA_E

ClientSampleId :

PB85802BL

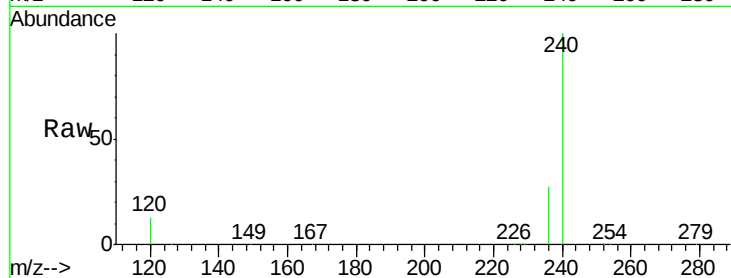
Tgt Ion:228 Resp: 602

Ion Ratio Lower Upper

228 100

226 27.3 24.0 36.0

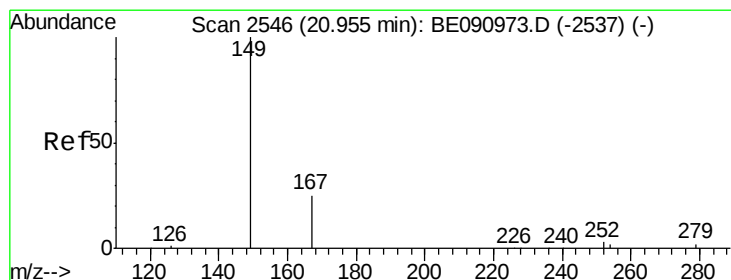
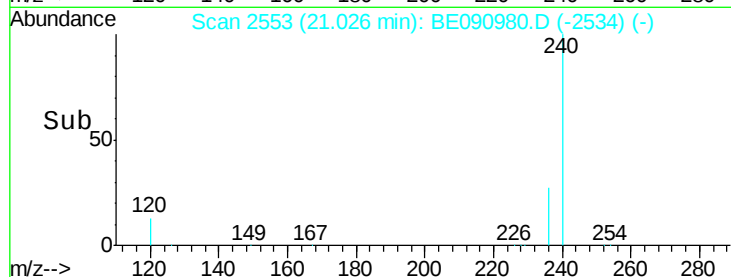
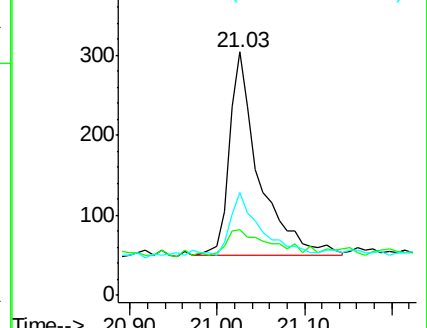
229 42.1 15.9 23.9#



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



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.06 ng

RT: 20.97 min Scan# 2547

Delta R.T. 0.02 min

Lab File: BE090980.D

Acq: 30 Sep 2015 15:56

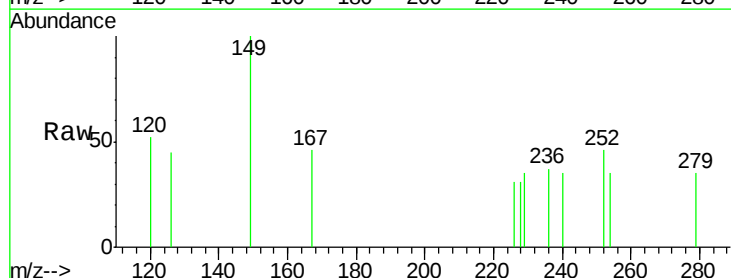
Tgt Ion:149 Resp: 79

Ion Ratio Lower Upper

149 100

167 0.0 19.5 29.3#

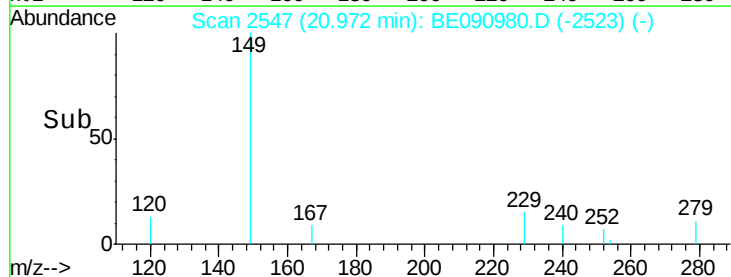
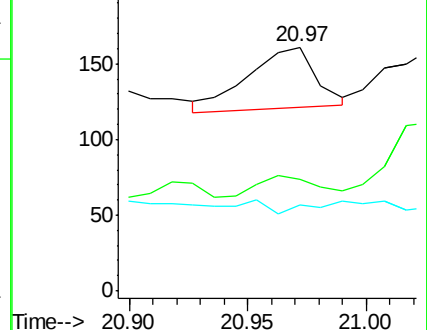
279 24.1 2.3 3.5#

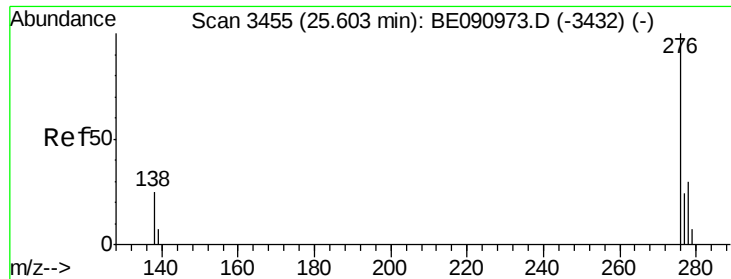


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Indeno(1,2,3-cd)pyrene

Concen: 0.11 ng

RT: 25.60 min Scan# 3454

Delta R.T. -0.00 min

Lab File: BE090980.D

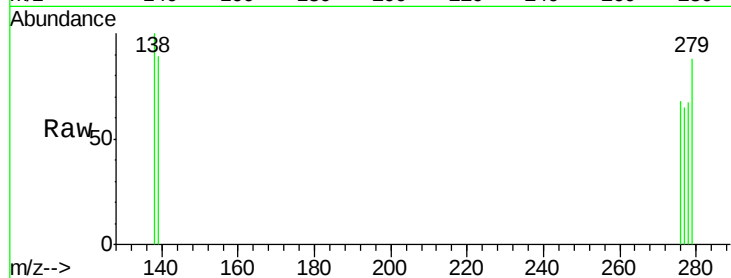
Acq: 30 Sep 2015 15:56

Instrument :

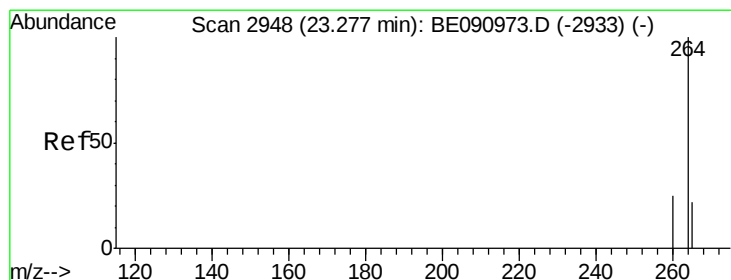
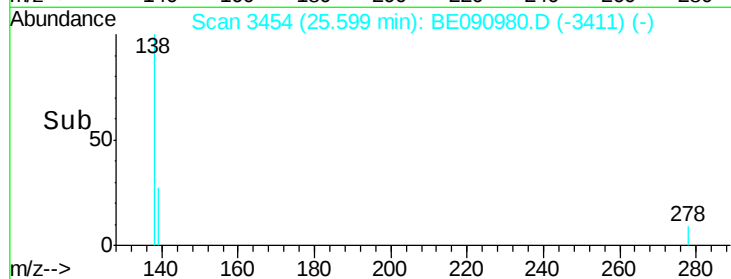
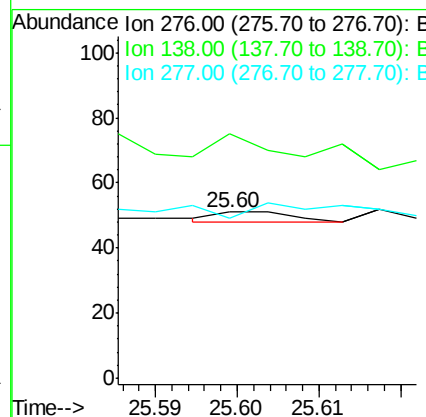
BNA_E

ClientSampleId :

PB85802BL



Tgt Ion:	276	Resp:	2
Ion	Ratio	Lower	Upper
276	100		
138	500.0	23.4	35.2#
277	200.0	19.8	29.8#



#35

Perylene-d12

Concen: 5.00 ng

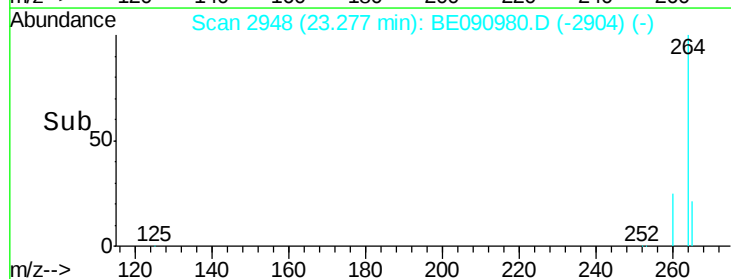
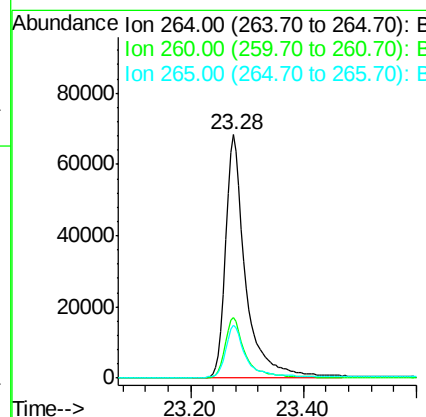
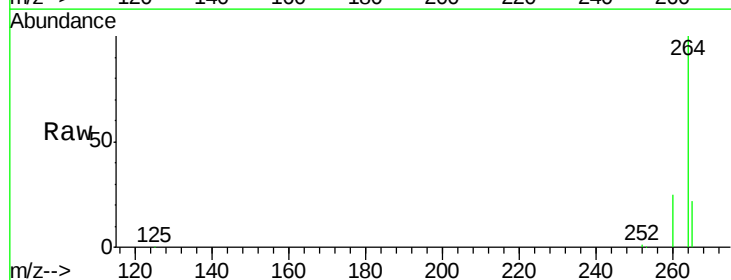
RT: 23.28 min Scan# 2948

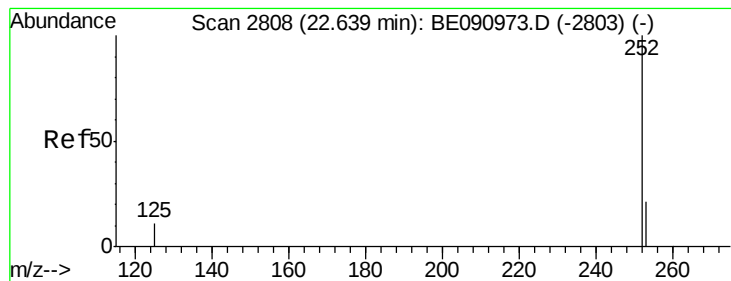
Delta R.T. 0.00 min

Lab File: BE090980.D

Acq: 30 Sep 2015 15:56

Tgt Ion:	264	Resp:	168316
Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.0	30.0
265	21.7	17.5	26.3





#37

Benzo(k)fluoranthene

Concen: Below Cal

RT: 22.64 min Scan# 2808

Delta R.T. 0.00 min

Lab File: BE090980.D

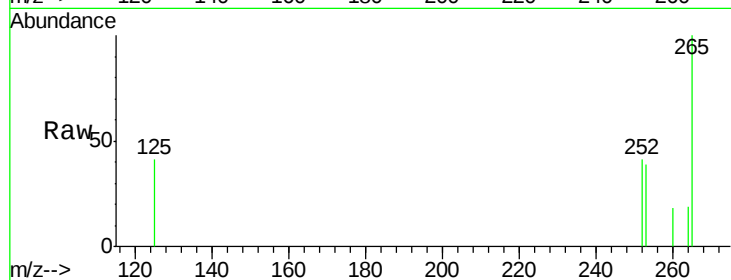
Acq: 30 Sep 2015 15:56

Instrument :

BNA_E

ClientSampleId :

PB85802BL



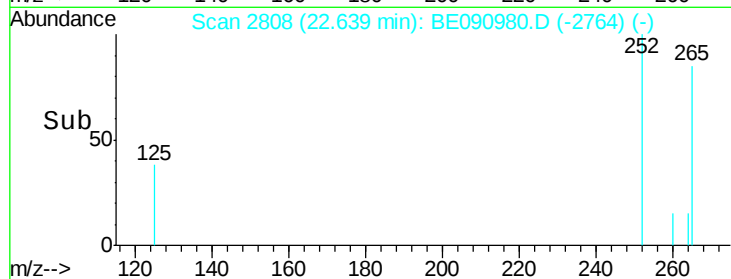
Tgt Ion: 252 Resp: 12

Ion Ratio Lower Upper

252 100

253 93.8 17.6 26.4#

125 100.0 9.9 14.9#



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

