

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100715\
 Data File : BE090992.D
 Acq On : 7 Oct 2015 18:48
 Operator : UM/IZ
 Sample : G3965-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TW-3

Quant Time: Oct 08 01:47:40 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 08 01:45:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	53019	5.00	ng	0.00
7) Naphthalene-d8	9.64	136	245693	5.00	ng	0.00
13) Acenaphthene-d10	13.46	164	133512	5.00	ng	0.00
19) Phenanthrene-d10	16.19	188	318144	5.00	ng	0.00
26) Chrysene-d12	20.33	240	426554	5.00	ng	0.00
35) Perylene-d12	22.25	264	457195	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	4.99	112	62278	5.81	ng	-0.01
5) Phenol-d6	6.61	99	78847	5.81	ng	-0.01
8) Nitrobenzene-d5	8.23	82	59093	3.69	ng	0.00
14) 2,4,6-Tribromophenol	14.98	330	27602	6.01	ng	0.00
15) 2-Fluorobiphenyl	12.09	172	119149	3.29	ng	0.00
29) Terphenyl-d14	18.73	244	183612	3.50	ng	0.00

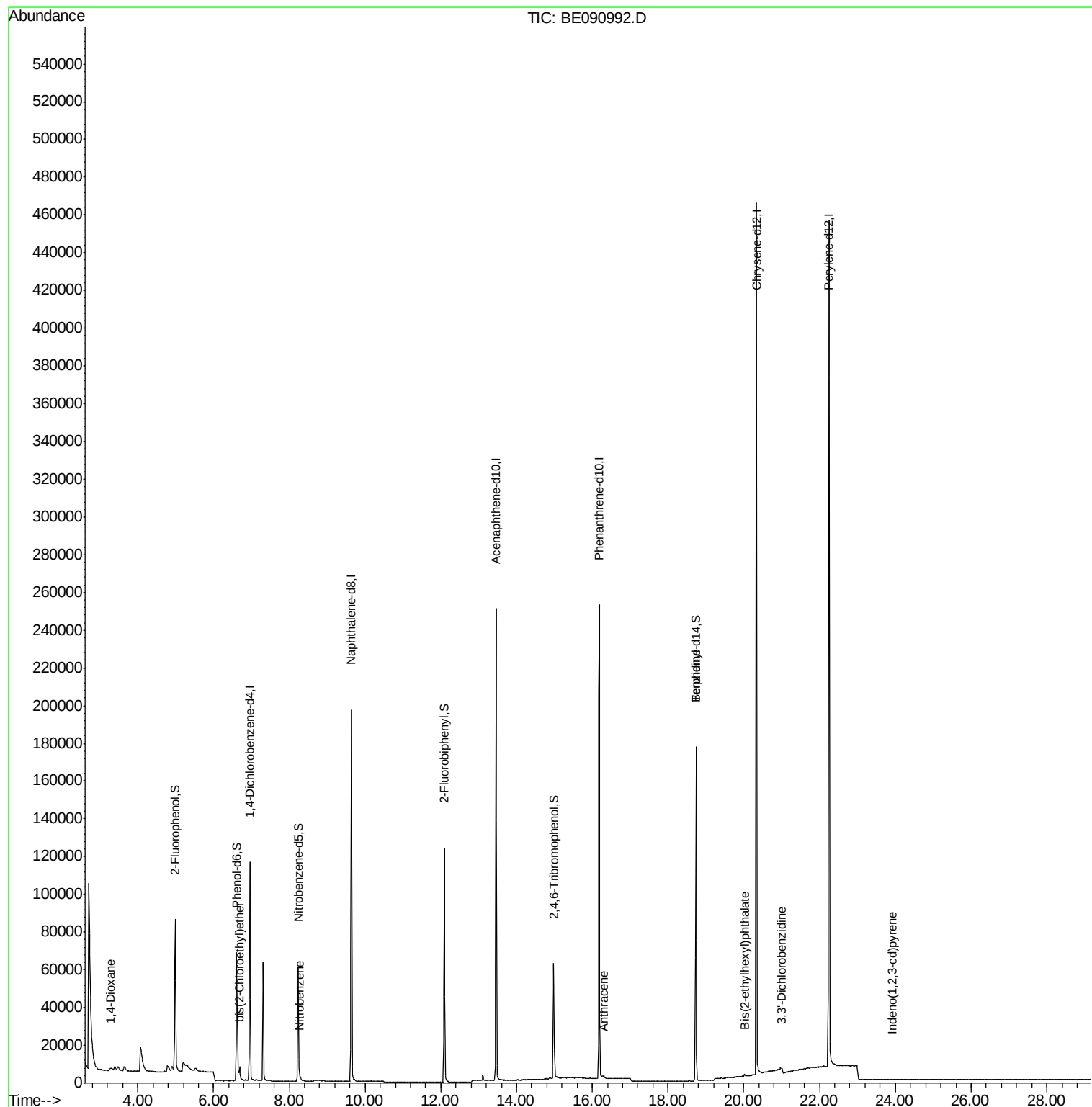
Target Compounds						Qvalue
2) 1,4-Dioxane	3.28	88	2502	0.13	ng	# 80
3) n-Nitrosodimethylamine	3.75	42	28	Below	Cal	# 1
6) bis(2-Chloroethyl)ether	6.69	93	105	0.05	ng	# 1
9) Nitrobenzene	8.28	77	268	0.30	ng	# 29
10) Naphthalene	9.67	128	148	Below	Cal	# 1
11) Hexachlorobutadiene	9.91	225	19	Below	Cal	# 85
21) Hexachlorobenzene	15.47	284	56	Below	Cal	# 40
23) Phenanthrene	16.21	178	432	Below	Cal	# 82
24) Anthracene	16.31	178	1388	0.03	ng	# 85
25) Fluoranthene	18.20	202	109	Below	Cal	# 78
27) Benzidine	18.73	184	3480	0.57	ng	# 88
28) Pvrene	18.59	202	153	Below	Cal	# 42
31) 3,3'-Dichlorobenzidine	21.00	252	179	0.04	ng	# 31
32) Chrysene	20.32	228	1396	Below	Cal	# 81
33) Bis(2-ethylhexyl)phthalate	20.02	149	1380	0.10	ng	96
34) Indeno(1,2,3-cd)pyrene	23.92	276	152	0.11	ng	# 74
37) Benzo(k)fluoranthene	21.70	252	109	Below	Cal	# 1

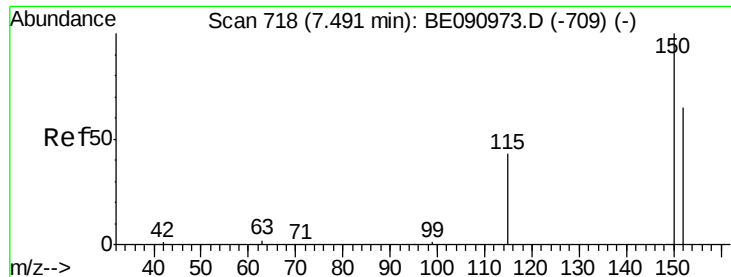
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 08 01:45:47 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.96 min Scan# 639

Delta R.T. 0.00 min

Lab File: BE090992.D

Acq: 7 Oct 2015 18:48

Instrument :

BNA_E

ClientSampleId :

TW-3

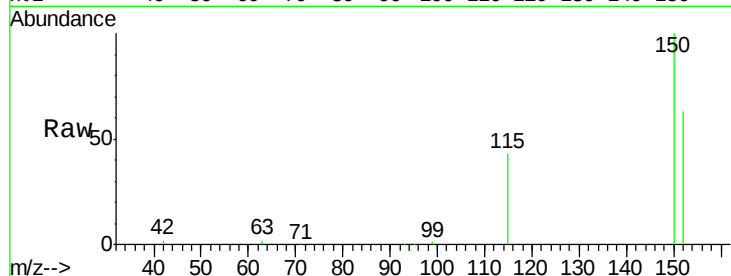
Tot Ion:152 Resp: 53019

Ion Ratio Lower Upper

152 100

150 158.1 122.6 183.8

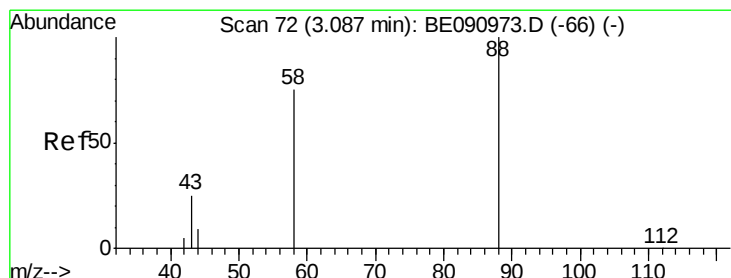
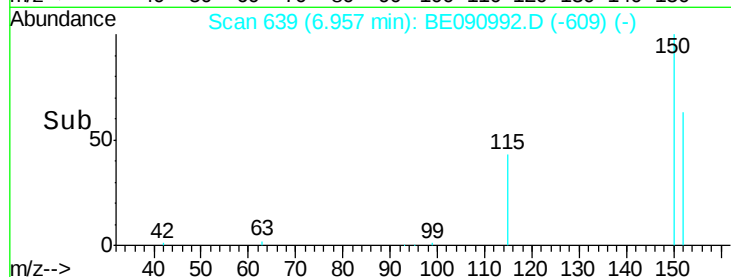
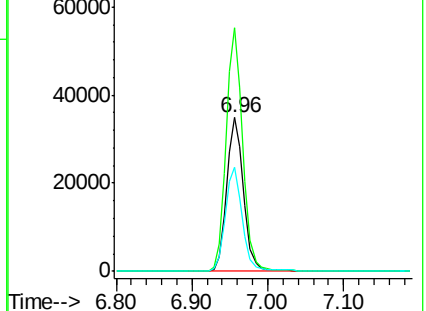
115 67.6 52.8 79.2



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: 3.28 min Scan# 100

Delta R.T. 0.07 min

Lab File: BE090992.D

Acq: 7 Oct 2015 18:48

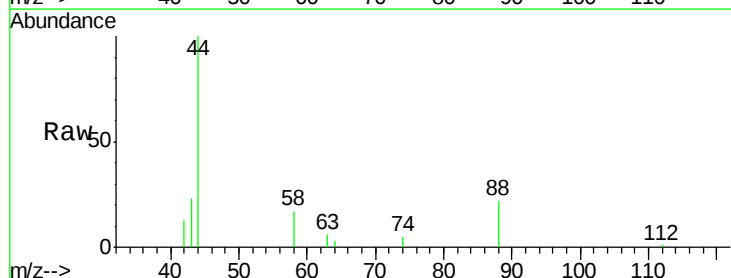
Tgt Ion: 88 Resp: 2502

Ion Ratio Lower Upper

88 100

58 102.8 65.8 98.6#

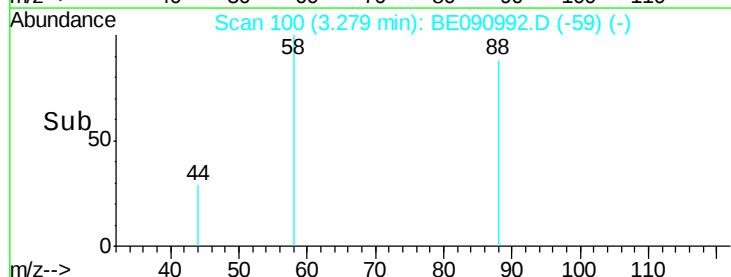
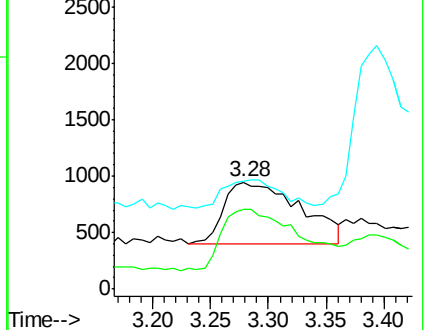
43 37.6 25.3 37.9



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



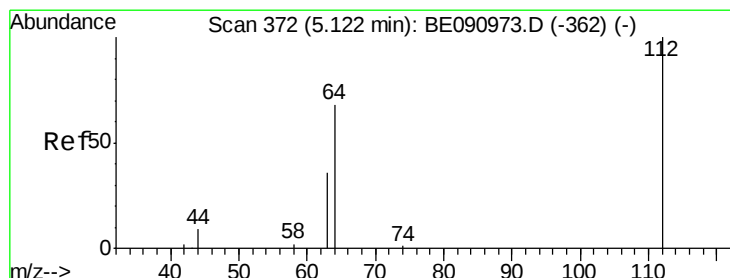
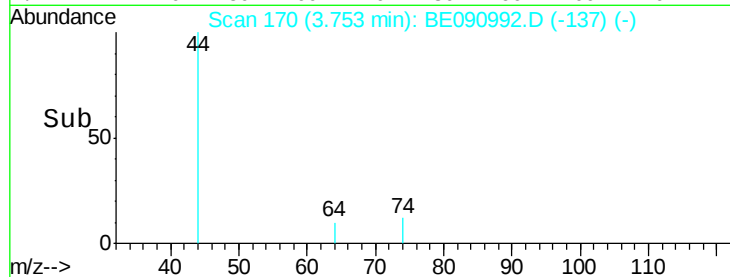
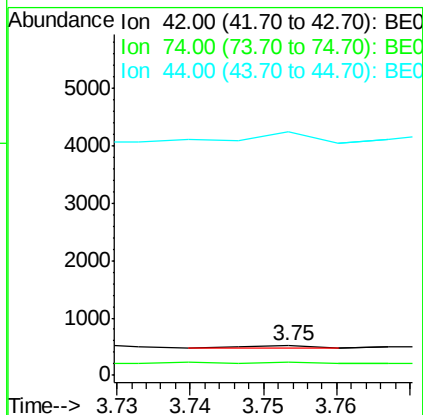
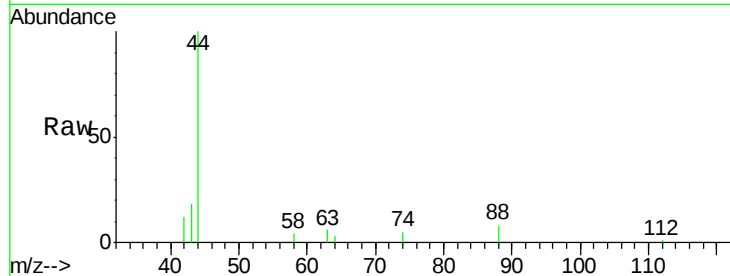


#3

n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.75 min Scan# 170
 Delta R.T. 0.02 min
 Lab File: BE090992.D
 Acq: 7 Oct 2015 18:48

Instrument :
 BNA_E
 ClientSampled :
 TW-3

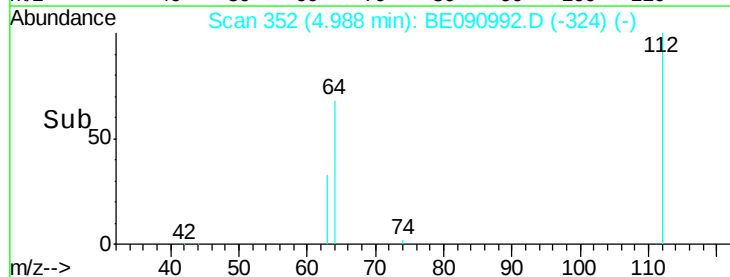
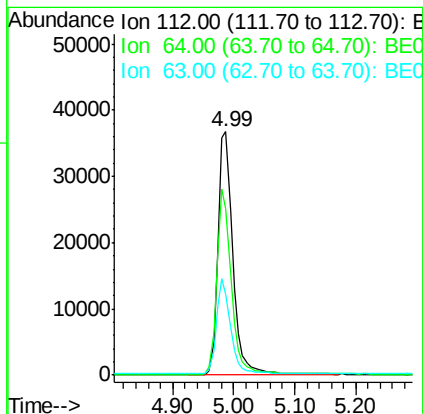
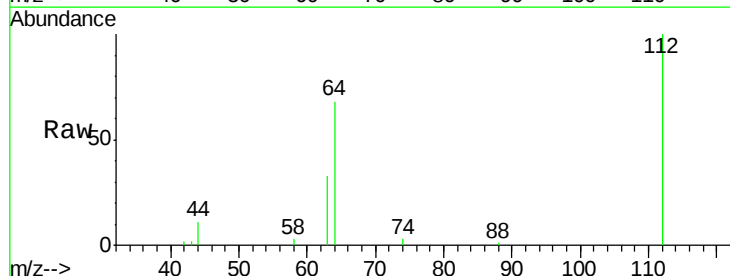
Tot Ion: 42 Resp: 28
 Ion Ratio Lower Upper
 42 100
 74 353.6 87.9 131.9#
 44 446.4 6.6 9.8#

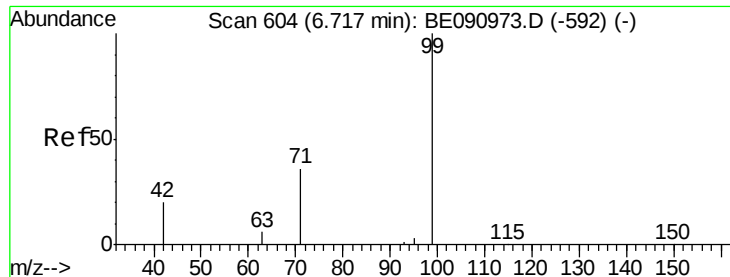


#4

2-Fluorophenol
 Concen: 5.81 ng
 RT: 4.99 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: BE090992.D
 Acq: 7 Oct 2015 18:48

Tgt Ion: 112 Resp: 62278
 Ion Ratio Lower Upper
 112 100
 64 73.7 30.9 46.3#
 63 36.6 16.7 25.1#





#5

Phenol-d6

Concen: 5.81 ng

RT: 6.61 min Scan# 588

Delta R.T. -0.01 min

Lab File: BE090992.D

Acq: 7 Oct 2015 18:48

Instrument :

BNA_E

ClientSampleId :

TW-3

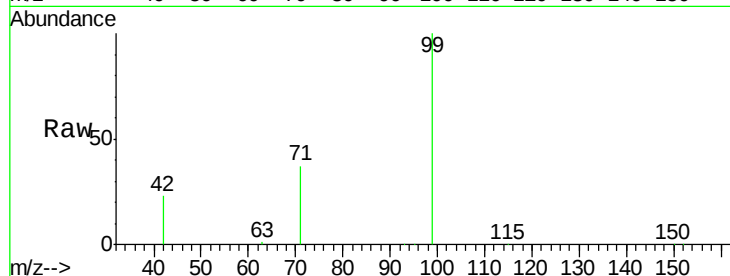
Tot Ion: 99 Resp: 78847

Ion Ratio Lower Upper

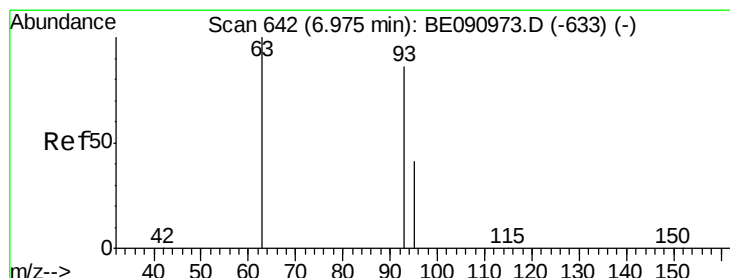
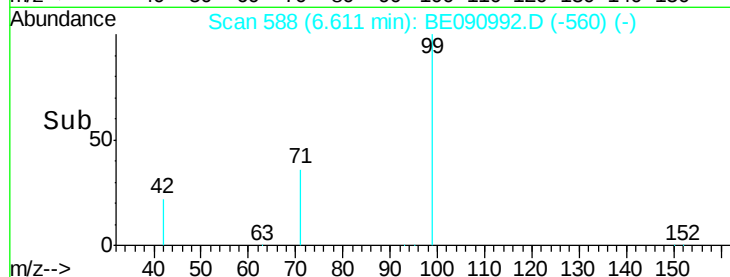
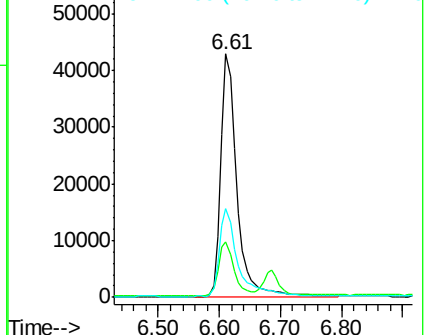
99 100

42 21.0 16.2 24.2

71 42.3 29.0 43.4



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

bis(2-Chloroethyl)ether

Concen: 0.05 ng

RT: 6.69 min Scan# 599

Delta R.T. 0.03 min

Lab File: BE090992.D

Acq: 7 Oct 2015 18:48

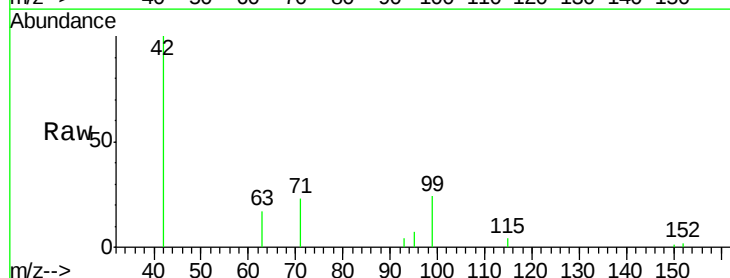
Tgt Ion: 93 Resp: 105

Ion Ratio Lower Upper

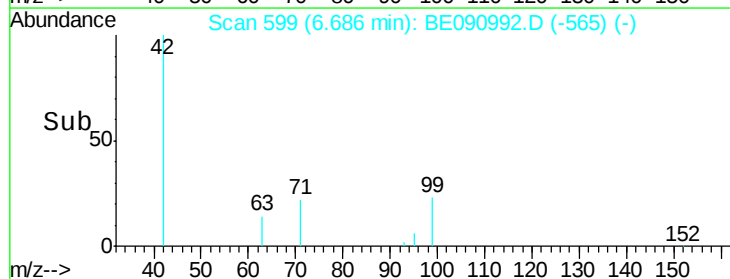
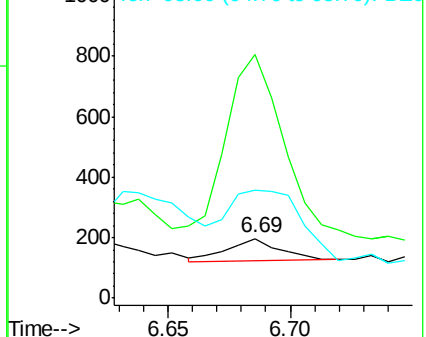
93 100

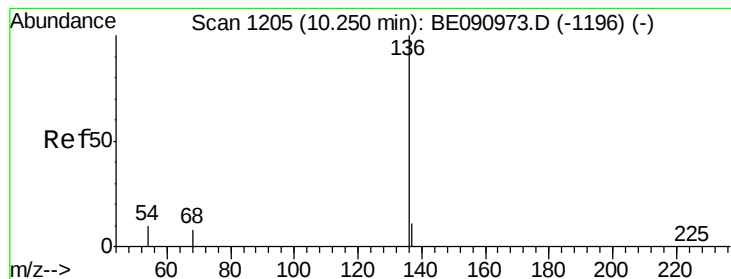
63 1002.9 49.5 74.3#

95 685.7 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: 9.64 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BE090992.D

Acq: 7 Oct 2015 18:48

Instrument :

BNA_E

ClientSampleId :

TW-3

Tot Ion:136 Resp: 245693

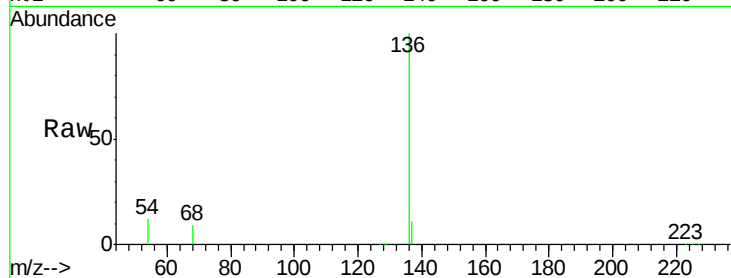
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 11.9 8.2 12.4

68 8.6 6.2 9.4

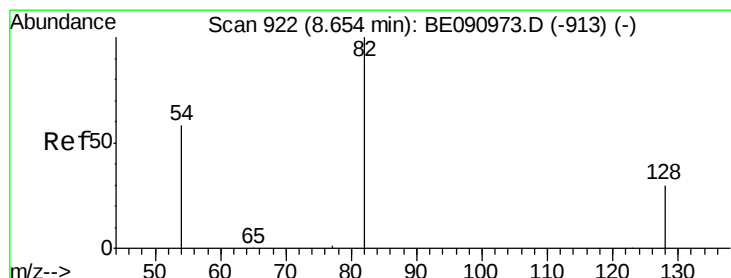
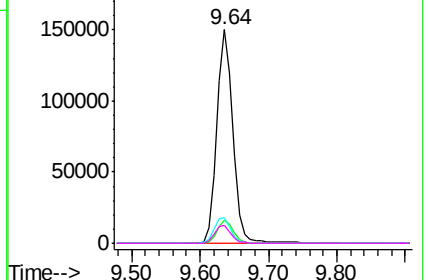
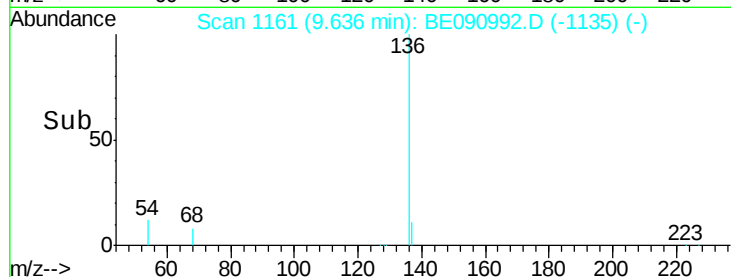


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.69 ng

RT: 8.23 min Scan# 876

Delta R.T. -0.01 min

Lab File: BE090992.D

Acq: 7 Oct 2015 18:48

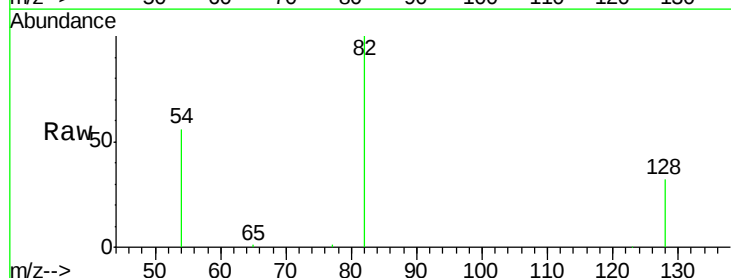
Tgt Ion: 82 Resp: 59093

Ion Ratio Lower Upper

82 100

128 32.4 25.4 38.0

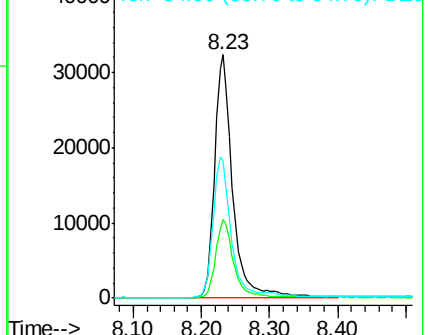
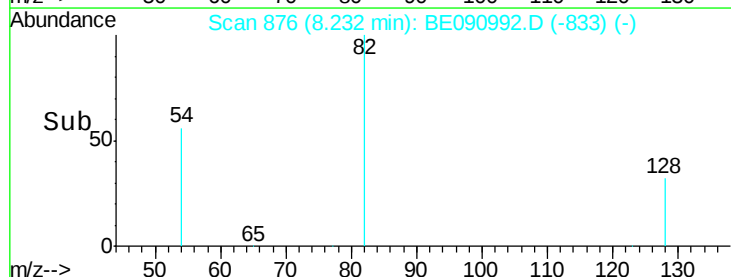
54 56.2 48.4 72.6

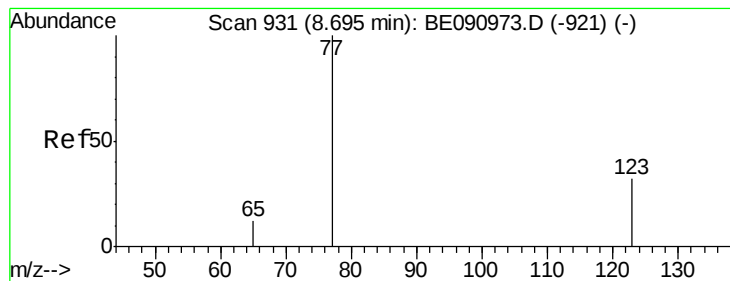


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.30 ng

RT: 8.28 min Scan# 887

Delta R.T. 0.01 min

Lab File: BE090992.D

Acq: 7 Oct 2015 18:48

Instrument :

BNA_E

ClientSampleId :

TW-3

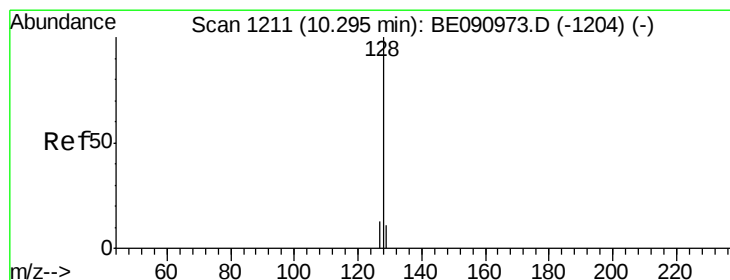
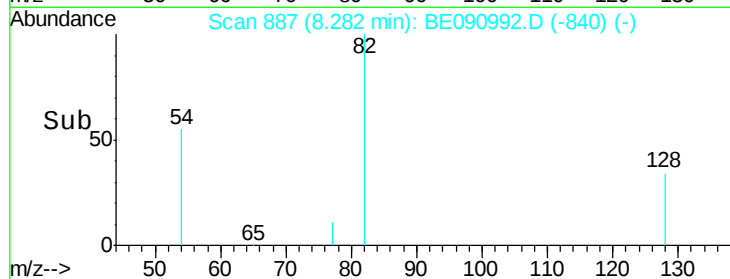
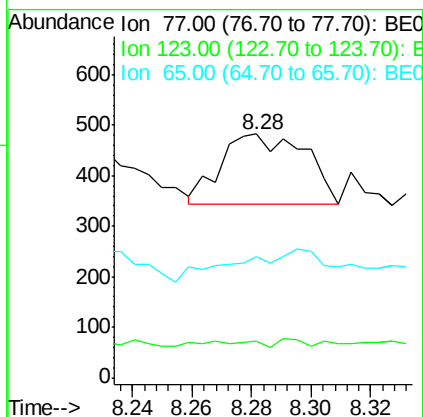
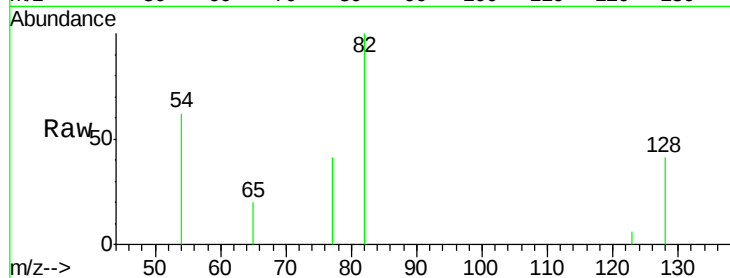
Tot Ion: 77 Resp: 268

Ion Ratio Lower Upper

77 100

123 3.7 26.9 40.3#

65 59.7 9.4 14.2#



#10

Naphthalene

Concen: Below Cal

RT: 9.67 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BE090992.D

Acq: 7 Oct 2015 18:48

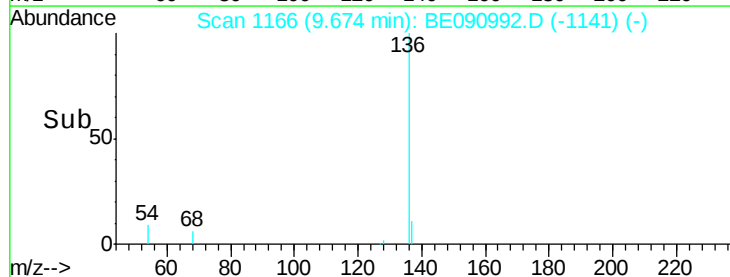
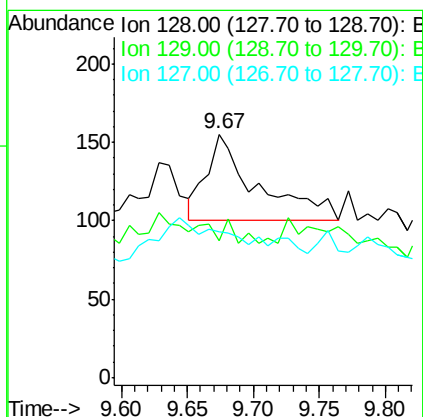
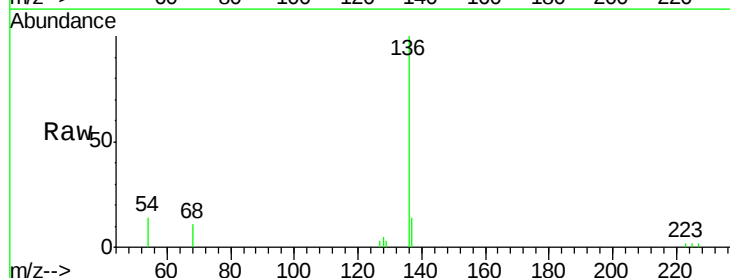
Tgt Ion: 128 Resp: 148

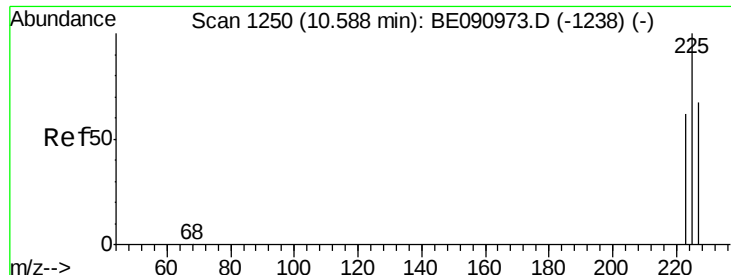
Ion Ratio Lower Upper

128 100

129 56.1 9.3 13.9#

127 60.0 10.7 16.1#

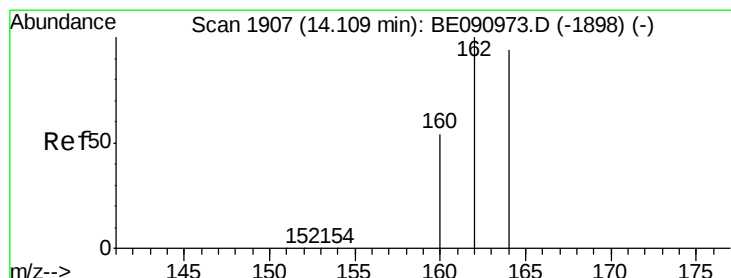
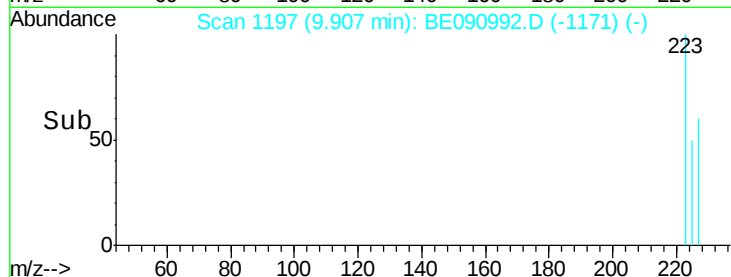
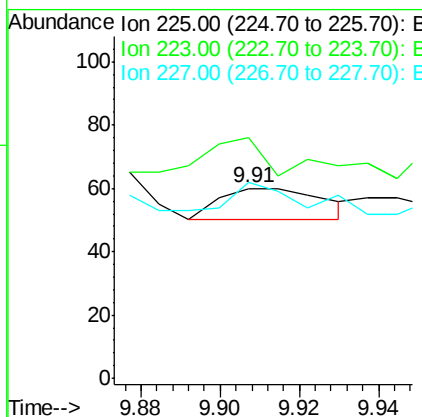
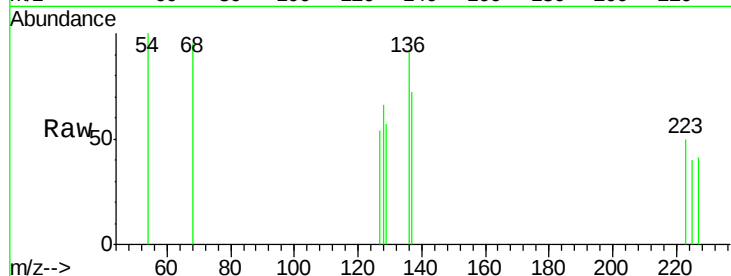




#11
Hexachlorobutadiene
Concen: Below Cal
RT: 9.91 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BE090992.D
Acq: 7 Oct 2015 18:48

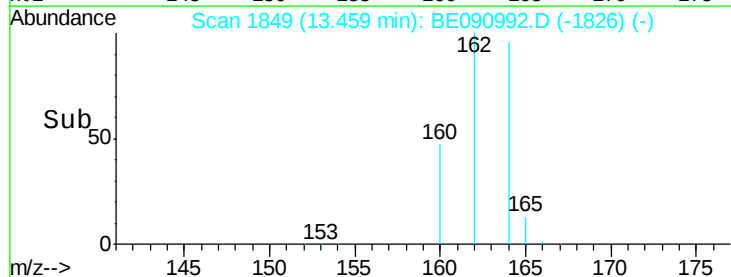
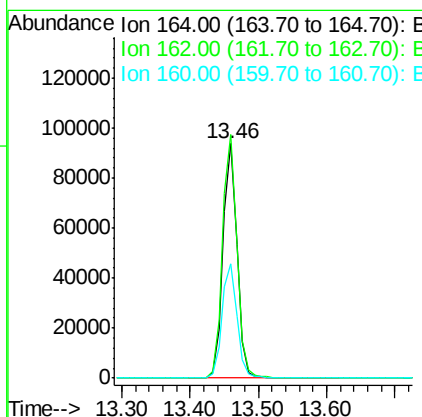
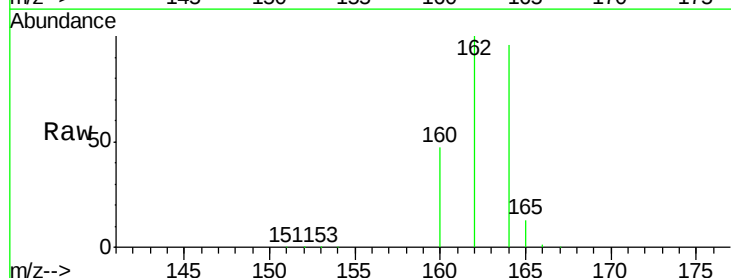
Instrument :
BNA_E
ClientSampleId :
TW-3

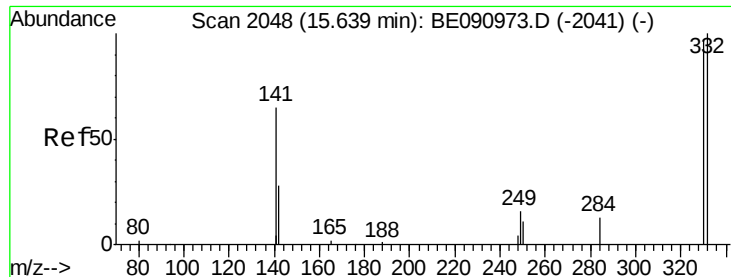
Tot Ion:225 Resp: 19
Ion Ratio Lower Upper
225 100
223 73.7 49.0 73.6#
227 73.7 50.3 75.5



#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 13.46 min Scan# 1849
Delta R.T. 0.00 min
Lab File: BE090992.D
Acq: 7 Oct 2015 18:48

Tgt Ion:164 Resp: 133512
Ion Ratio Lower Upper
164 100
162 103.9 85.3 127.9
160 48.6 46.2 69.2

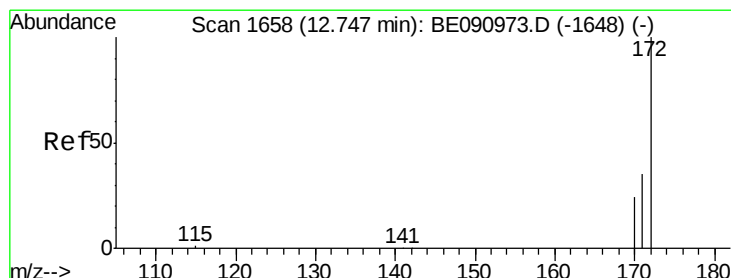
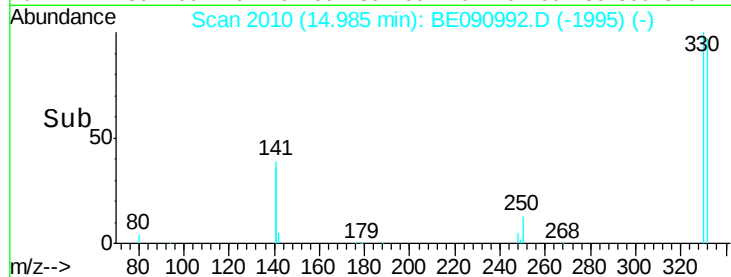
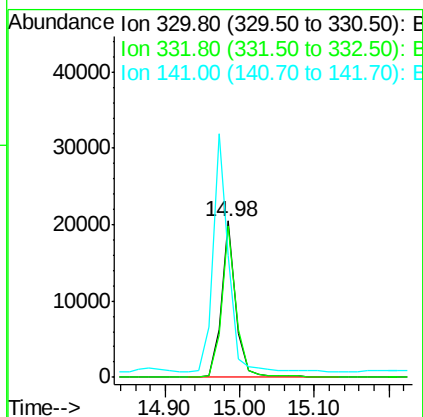
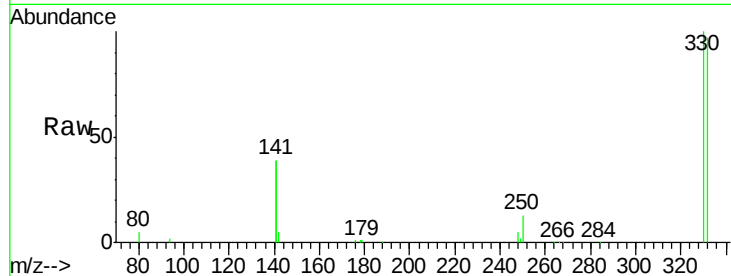




#14
 2,4,6-Tribromophenol
 Concen: 6.01 ng
 RT: 14.98 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: BE090992.D
 Acq: 7 Oct 2015 18:48

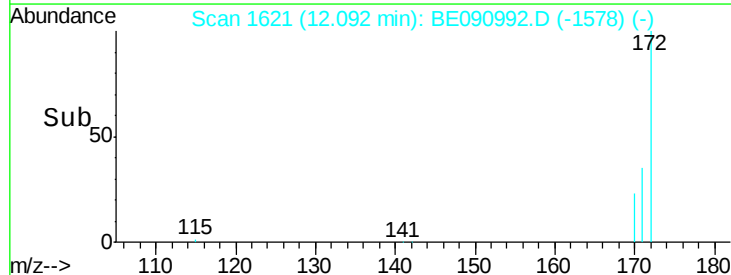
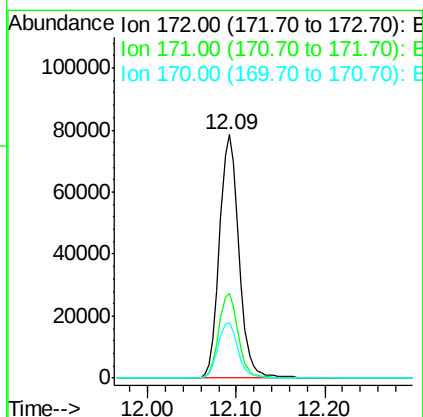
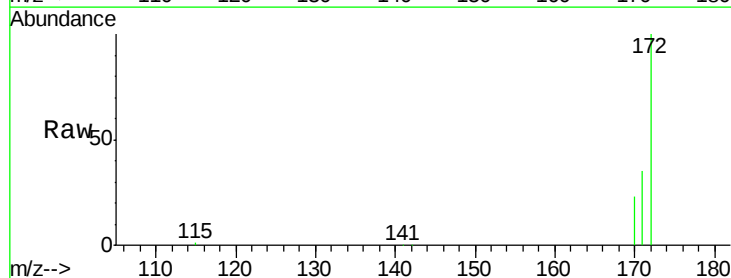
Instrument :
 BNA_E
 ClientSampleId :
 TW-3

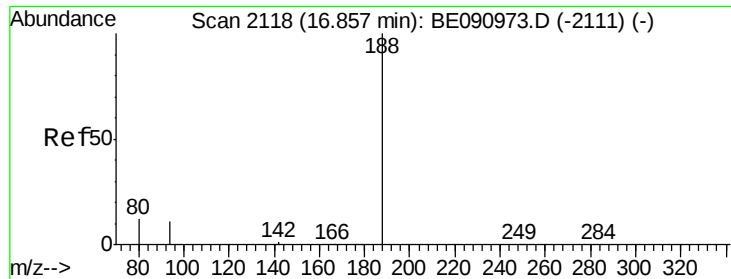
Tot Ion:330 Resp: 27602
 Ion Ratio Lower Upper
 330 100
 332 97.7 79.1 118.7
 141 164.4 125.4 188.0



#15
 2-Fluorobiphenyl
 Concen: 3.29 ng
 RT: 12.09 min Scan# 1621
 Delta R.T. -0.01 min
 Lab File: BE090992.D
 Acq: 7 Oct 2015 18:48

Tgt Ion:172 Resp: 119149
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.8 43.2
 170 23.0 19.3 28.9





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.19 min Scan# 2100

Delta R.T. 0.00 min

Lab File: BE090992.D

Acq: 7 Oct 2015 18:48

Instrument :

BNA_E

ClientSampled :

TW-3

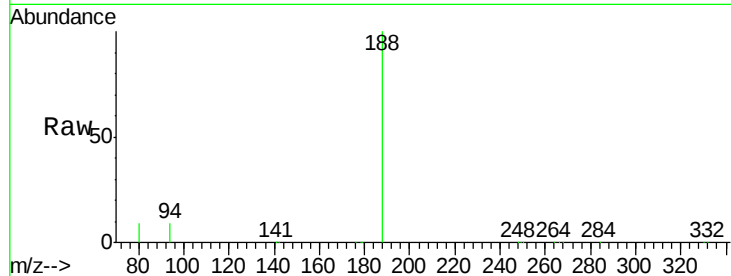
Tot Ion:188 Resp: 318144

Ion Ratio Lower Upper

188 100

94 8.5 8.7 13.1#

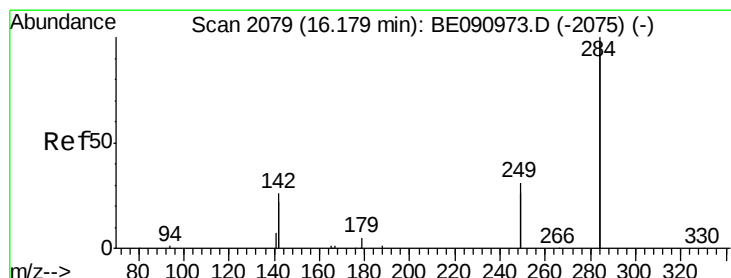
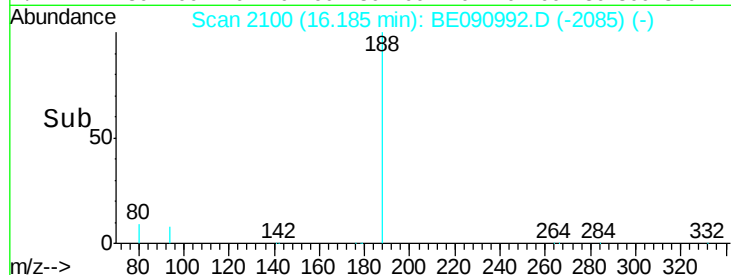
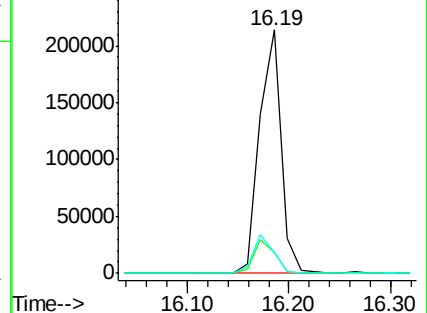
80 8.7 9.4 14.0#



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: 15.47 min Scan# 2046

Delta R.T. 0.01 min

Lab File: BE090992.D

Acq: 7 Oct 2015 18:48

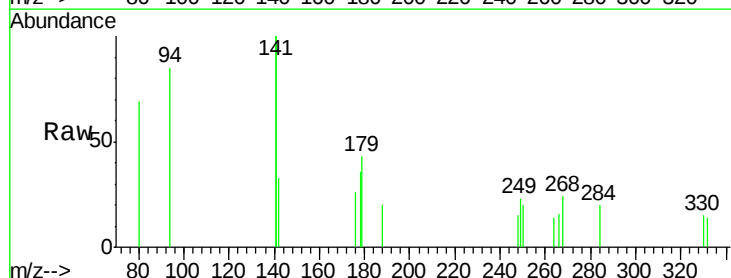
Tgt Ion:284 Resp: 56

Ion Ratio Lower Upper

284 100

142 78.6 32.2 48.2#

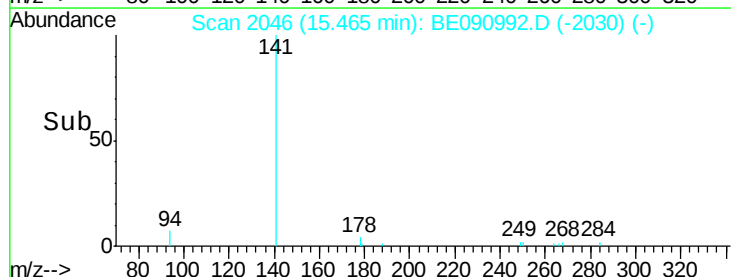
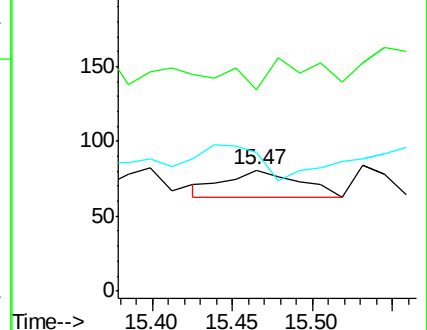
249 0.0 25.4 38.2#

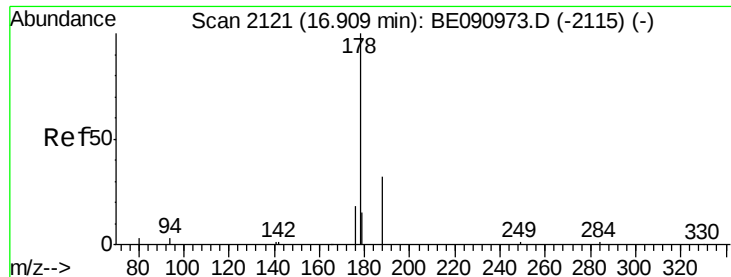


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#23

Phenanthrene

Concen: Below Cal

RT: 16.21 min Scan# 2102

Delta R.T. -0.01 min

Lab File: BE090992.D

Acq: 7 Oct 2015 18:48

Instrument :

BNA_E

ClientSampled :

TW-3

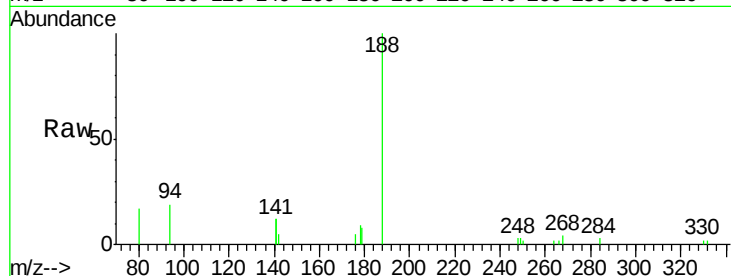
Tot Ion:178 Resp: 432

Ion Ratio Lower Upper

178 100

176 20.1 15.3 22.9

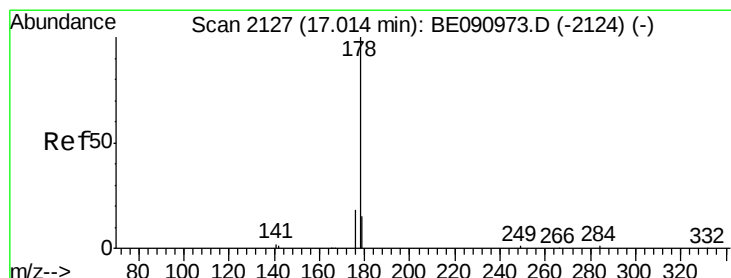
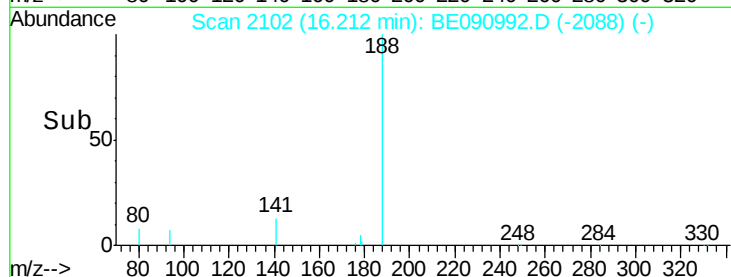
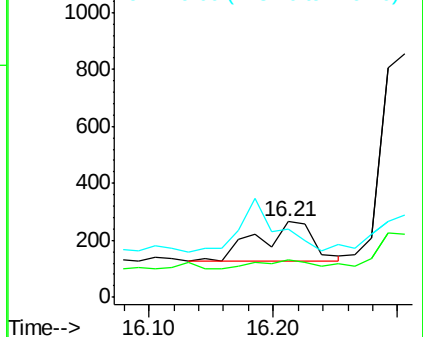
179 0.0 12.6 18.8#



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



#24

Anthracene

Concen: 0.03 ng

RT: 16.31 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BE090992.D

Acq: 7 Oct 2015 18:48

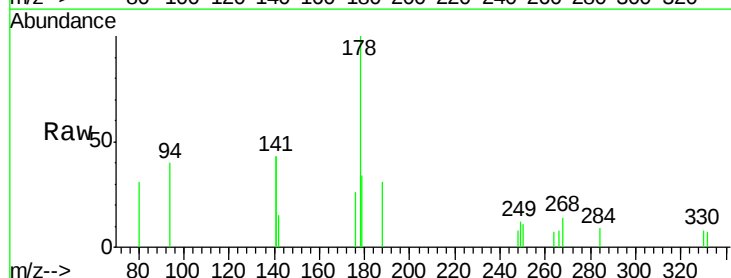
Tgt Ion:178 Resp: 1388

Ion Ratio Lower Upper

178 100

176 20.7 14.6 21.8

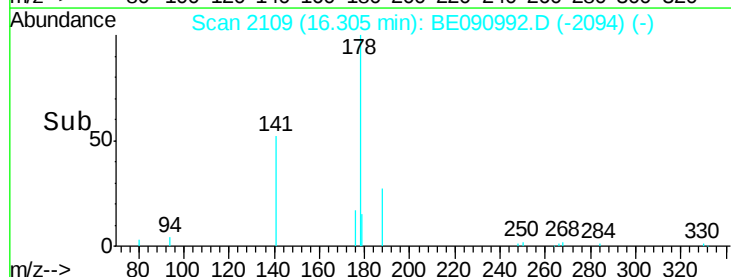
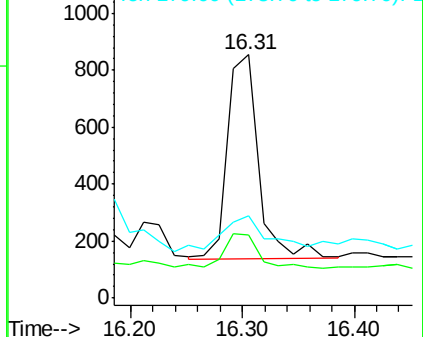
179 25.8 11.8 17.6#

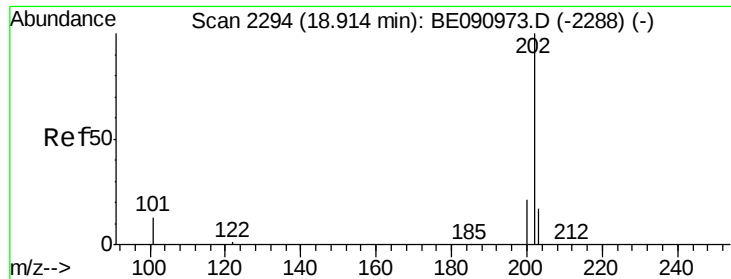


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

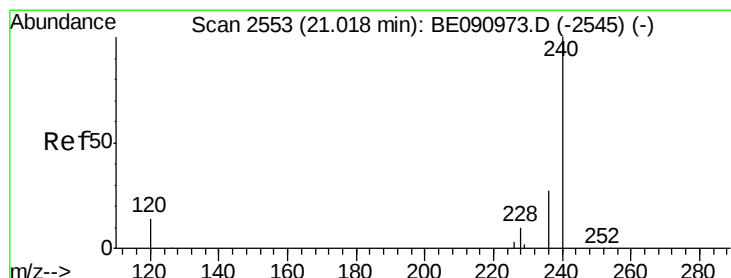
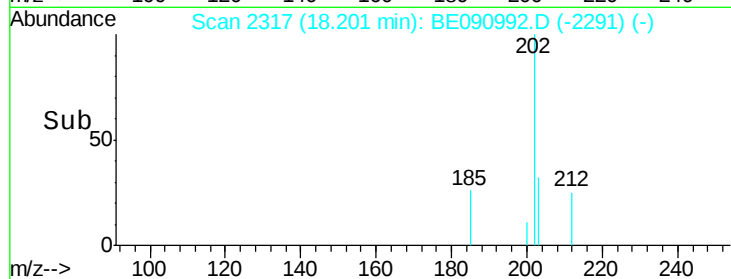
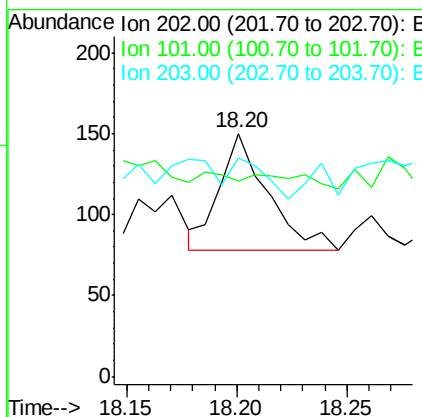
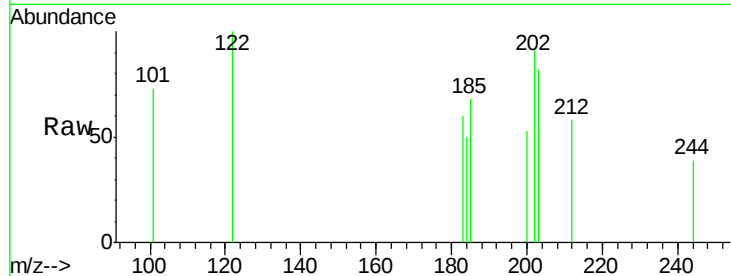




#25
 Fluoranthene
 Concen: Below Cal
 RT: 18.20 min Scan# 2317
 Delta R.T. -0.00 min
 Lab File: BE090992.D
 Acq: 7 Oct 2015 18:48

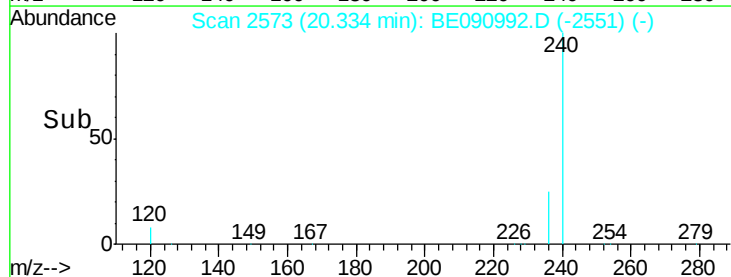
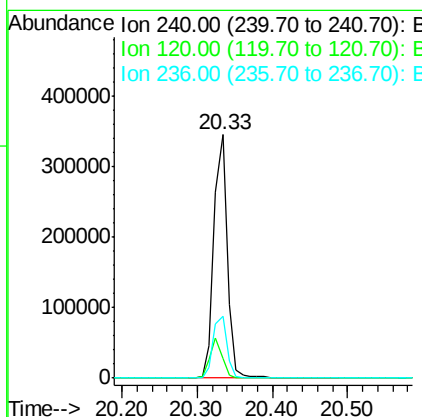
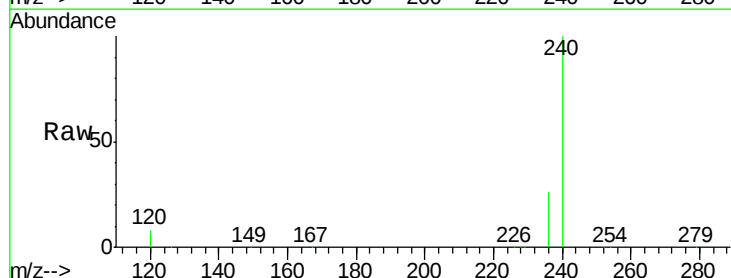
Instrument :
 BNA_E
 ClientSampled :
 TW-3

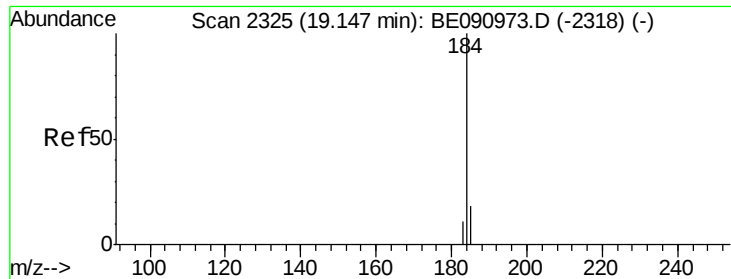
Tot Ion:202 Resp: 109
 Ion Ratio Lower Upper
 202 100
 101 0.0 11.0 16.6#
 203 22.9 13.9 20.9#



#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 20.33 min Scan# 2573
 Delta R.T. 0.00 min
 Lab File: BE090992.D
 Acq: 7 Oct 2015 18:48

Tgt Ion:240 Resp: 426554
 Ion Ratio Lower Upper
 240 100
 120 7.9 11.0 16.4#
 236 25.5 21.7 32.5





#27

Benzidine

Concen: 0.57 ng

RT: 18.73 min Scan# 2387

Delta R.T. 0.13 min

Lab File: BE090992.D

Acq: 7 Oct 2015 18:48

Instrument :

BNA_E

ClientSampleId :

TW-3

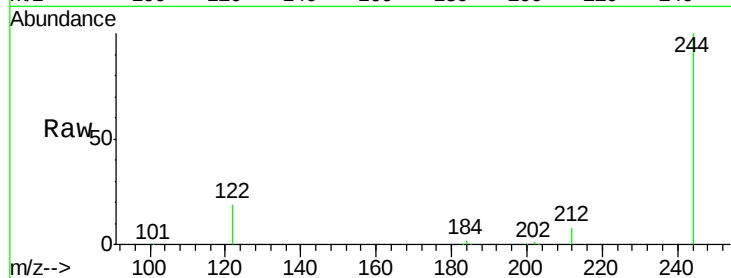
Tot Ion:184 Resp: 3480

Ion Ratio Lower Upper

184 100

185 19.7 22.3 33.5#

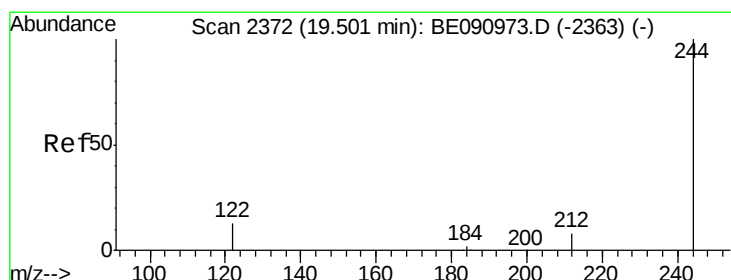
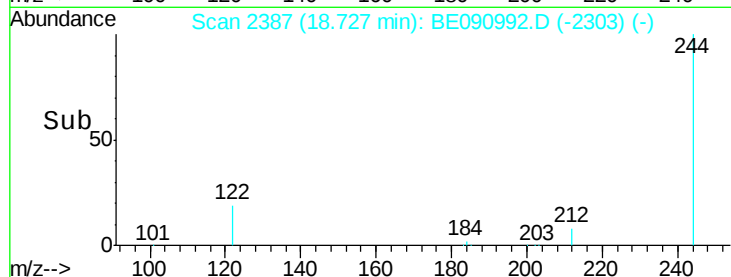
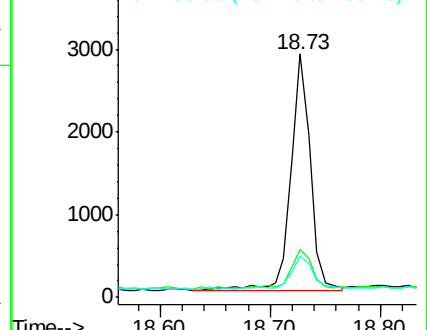
183 17.1 16.4 24.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#29

Terphenyl-d14

Concen: 3.50 ng

RT: 18.73 min Scan# 2388

Delta R.T. -0.00 min

Lab File: BE090992.D

Acq: 7 Oct 2015 18:48

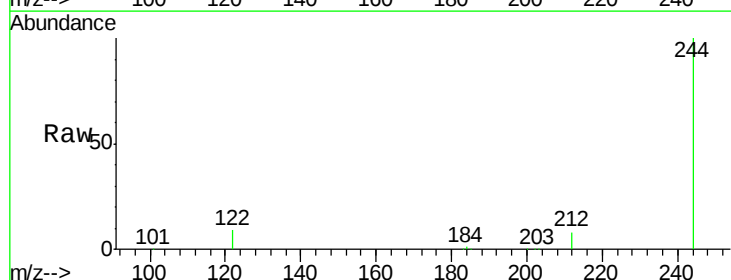
Tgt Ion:244 Resp: 183612

Ion Ratio Lower Upper

244 100

212 7.7 6.9 10.3

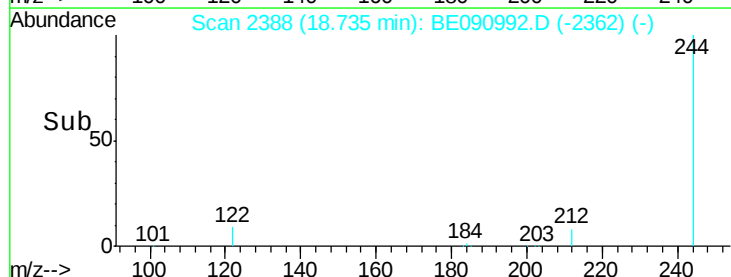
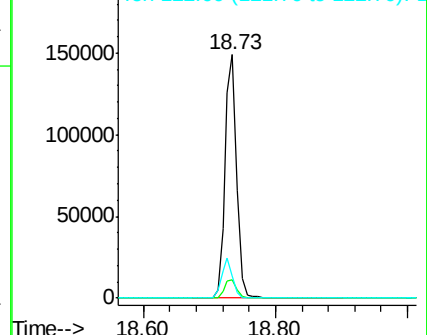
122 9.1 11.0 16.4#

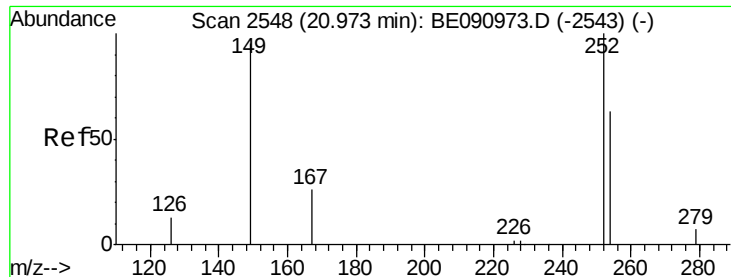


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#31

3,3'-Dichlorobenzidine

Concen: 0.04 ng

RT: 21.00 min Scan# 2647

Delta R.T. 0.16 min

Lab File: BE090992.D

Acq: 7 Oct 2015 18:48

Instrument :

BNA_E

ClientSampled :

TW-3

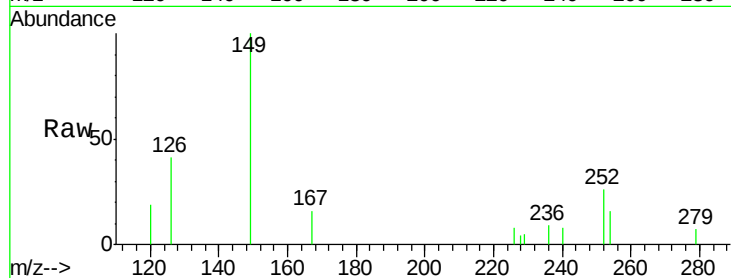
Tot Ion:252 Resp: 179

Ion Ratio Lower Upper

252 100

254 59.9 51.1 76.7

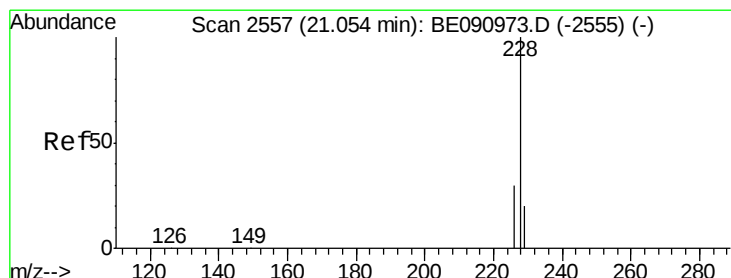
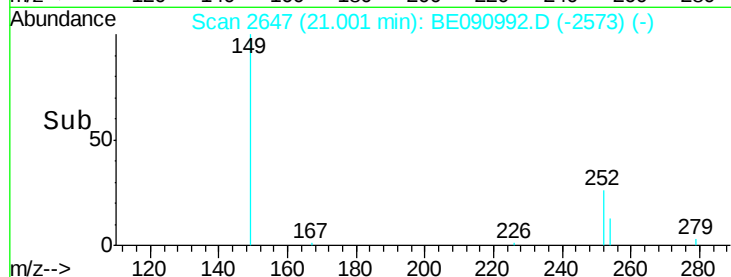
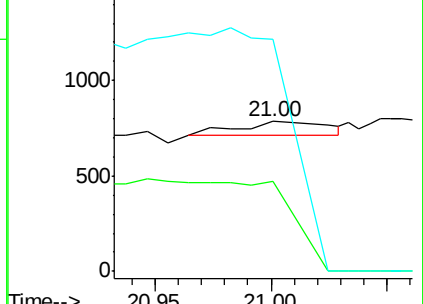
126 154.3 12.6 18.8#



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: 20.32 min Scan# 2572

Delta R.T. -0.03 min

Lab File: BE090992.D

Acq: 7 Oct 2015 18:48

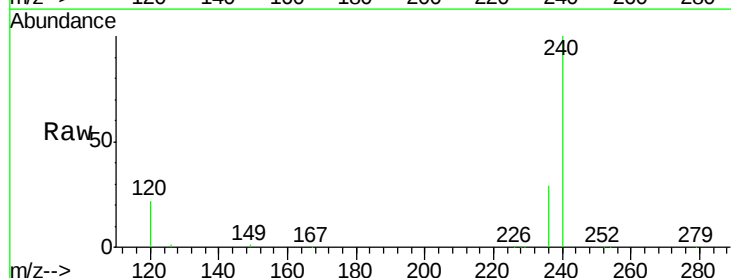
Tgt Ion:228 Resp: 1396

Ion Ratio Lower Upper

228 100

226 26.4 24.0 36.0

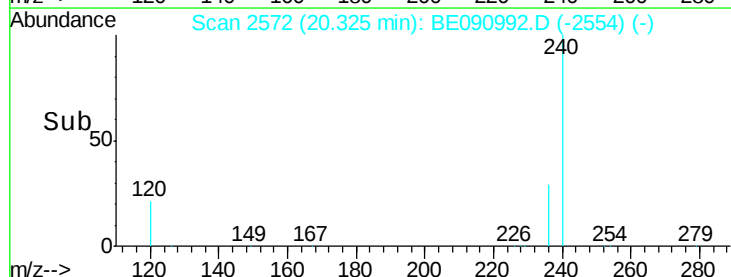
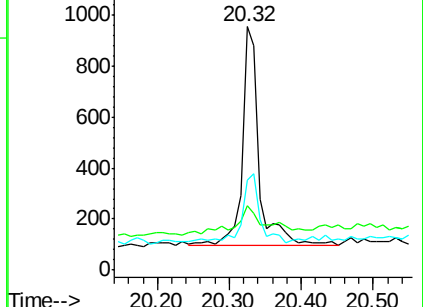
229 36.9 15.9 23.9#

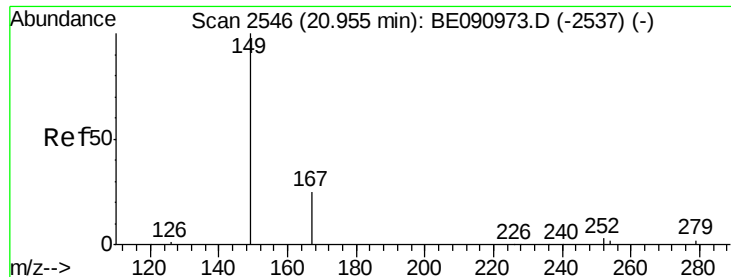


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.10 ng

RT: 20.02 min Scan# 2538

Delta R.T. 0.00 min

Lab File: BE090992.D

Acq: 7 Oct 2015 18:48

Instrument :

BNA_E

ClientSampleId :

TW-3

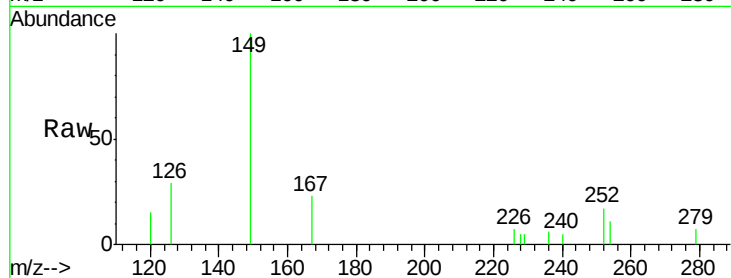
Tot Ion:149 Resp: 1380

Ion Ratio Lower Upper

149 100

167 26.6 19.5 29.3

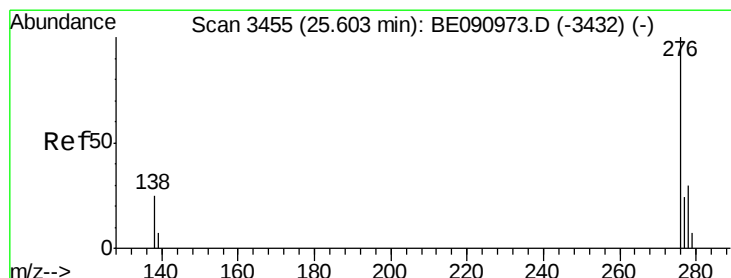
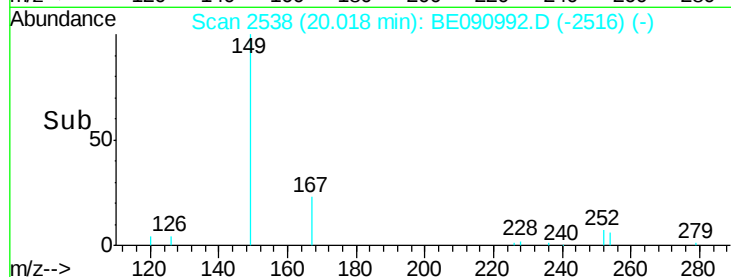
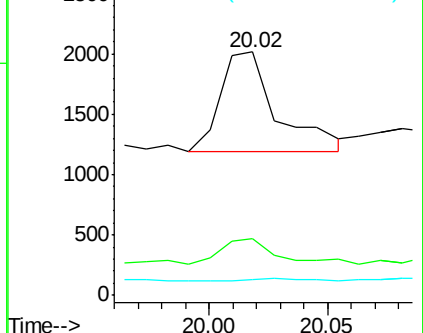
279 2.8 2.3 3.5



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: 23.92 min Scan# 3280

Delta R.T. 0.00 min

Lab File: BE090992.D

Acq: 7 Oct 2015 18:48

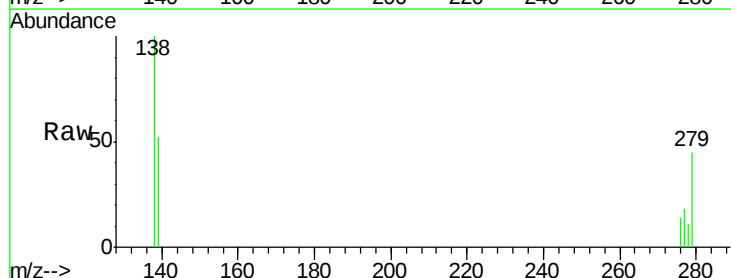
Tgt Ion:276 Resp: 152

Ion Ratio Lower Upper

276 100

138 32.9 23.4 35.2

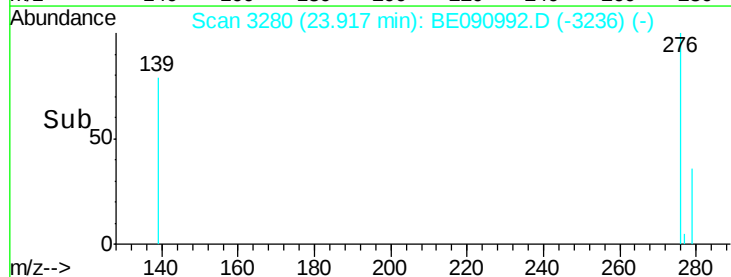
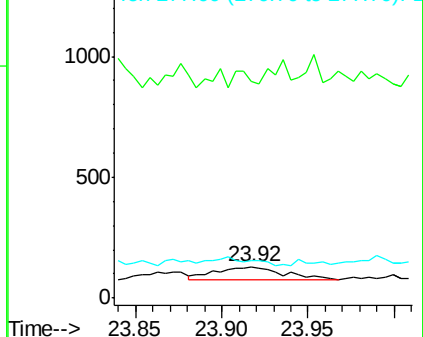
277 0.0 19.8 29.8#

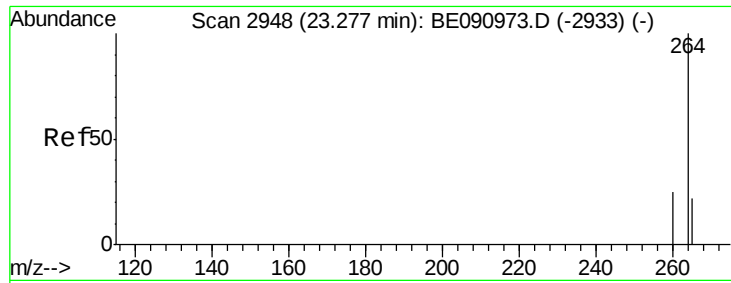


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

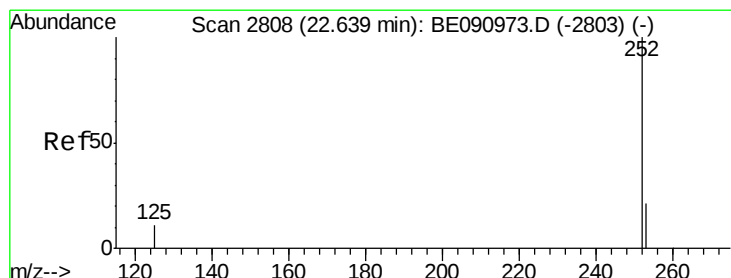
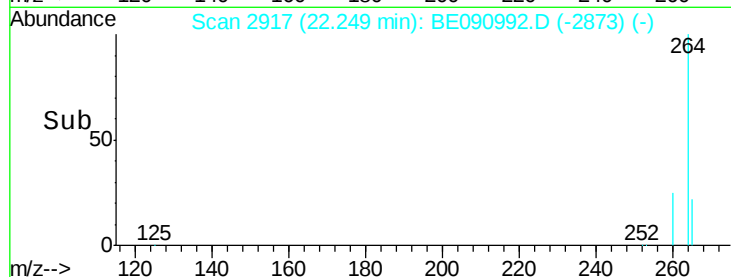
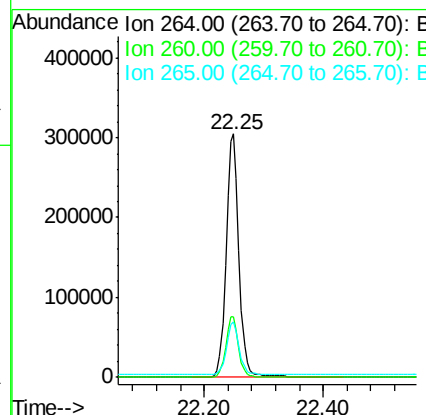
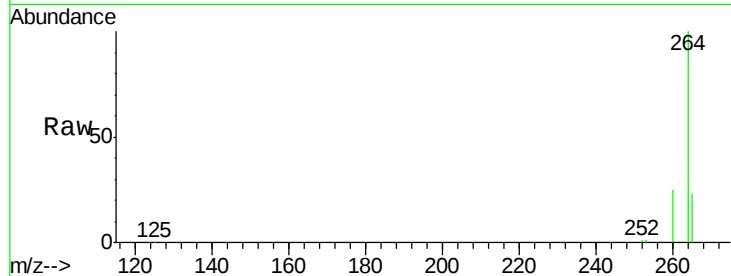




#35
 Pervlene-d12
 Concen: 5.00 ng
 RT: 22.25 min Scan# 2917
 Delta R.T. 0.00 min
 Lab File: BE090992.D
 Acq: 7 Oct 2015 18:48

Instrument :
 BNA_E
 ClientSampleId :
 TW-3

Tot Ion:264 Resp: 457195
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.0 30.0
 265 23.0 17.5 26.3



#37
 Benzo(k)fluoranthene
 Concen: Below Cal
 RT: 21.70 min Scan# 2797
 Delta R.T. -0.00 min
 Lab File: BE090992.D
 Acq: 7 Oct 2015 18:48

Tgt Ion:252 Resp: 109
 Ion Ratio Lower Upper
 252 100
 253 216.5 17.6 26.4#
 125 73.0 9.9 14.9#

