

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100715\
 Data File : BE090993.D
 Acq On : 7 Oct 2015 19:23
 Operator : UM/IZ
 Sample : G3965-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TW-4

Quant Time: Oct 08 01:47:55 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	1752	5.00	ng	0.00
7) Naphthalene-d8	9.64	136	6608	5.00	ng	0.00
13) Acenaphthene-d10	13.46	164	2397	5.00	ng	0.00
19) Phenanthrene-d10	16.19	188	4323	5.00	ng	0.00
26) Chrysene-d12	20.33	240	3914	5.00	ng	0.00
35) Perylene-d12	22.24	264	3181	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.00	112	1224	3.49	ng	0.00
5) Phenol-d6	6.62	99	804	1.79	ng	0.00
8) Nitrobenzene-d5	8.24	82	1611	3.74	ng	0.00
14) 2,4,6-Tribromophenol	14.99	330	356	4.37	ng	0.00
15) 2-Fluorobiphenyl	12.09	172	2902	4.47	ng	0.00
29) Terphenyl-d14	18.73	244	2588	5.36	ng	0.00

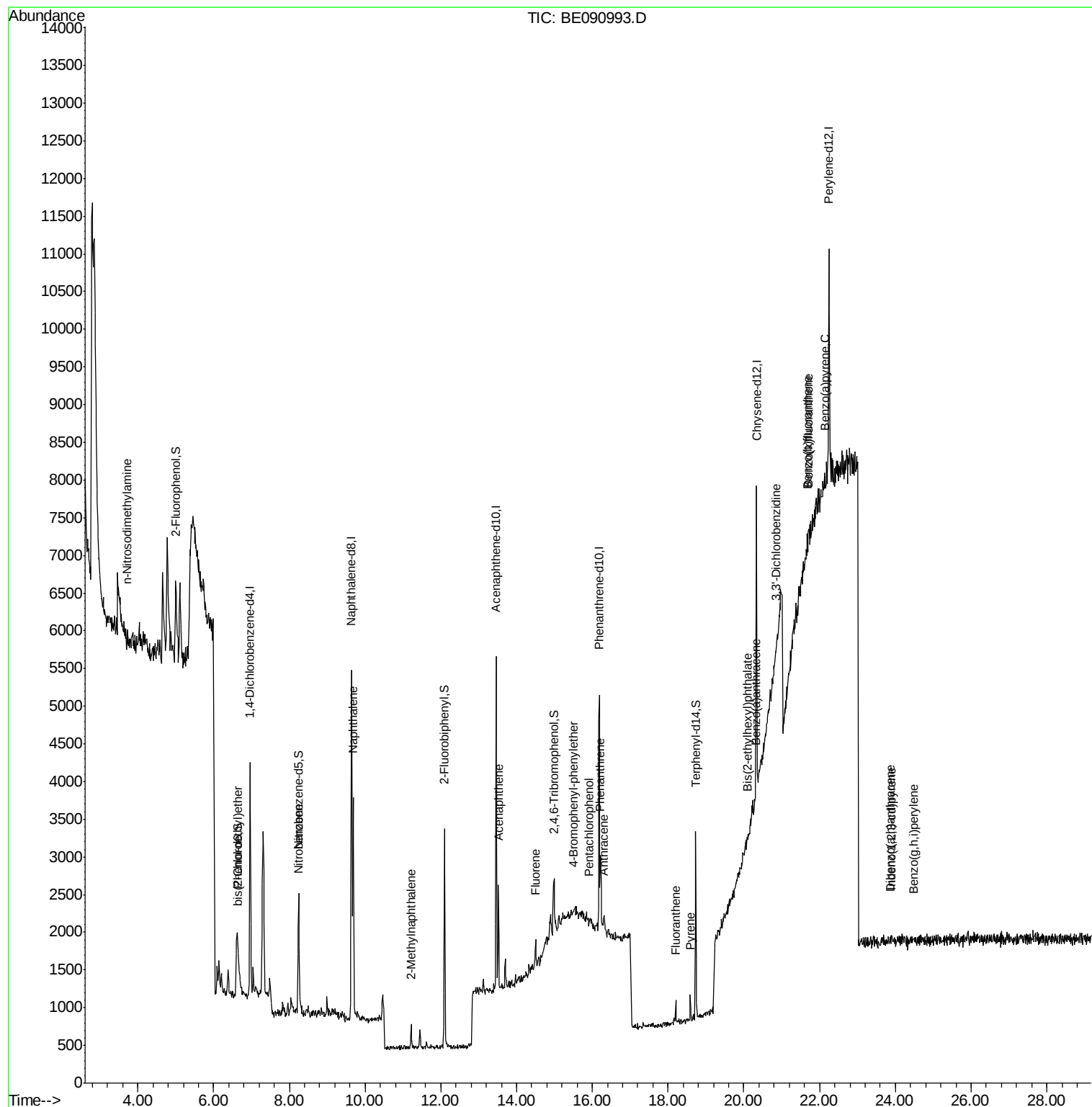
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.17	88	48	Below Cal	#	47
3) n-Nitrosodimethylamine	3.72	42	100	0.32	ng	# 1
6) bis(2-Chloroethyl)ether	6.65	93	81	0.21	ng	# 1
9) Nitrobenzene	8.26	77	19	0.32	ng	# 25
10) Naphthalene	9.68	128	3790	2.95	ng	# 93
11) Hexachlorobutadiene	9.90	225	14	Below Cal	#	19
12) 2-Methylnaphthalene	11.21	142	264	0.31	ng	# 72
17) Acenaphthene	13.52	154	318	0.50	ng	# 79
18) Fluorene	14.50	166	277	0.35	ng	# 88
20) 4-Bromophenyl-phenylether	15.49	248	14	0.09	ng	# 91
21) Hexachlorobenzene	15.43	284	32	Below Cal	#	1
22) Pentachlorophenol	15.92	266	31	0.67	ng	# 61
23) Phenanthrene	16.21	178	994	0.95	ng	# 90
24) Anthracene	16.29	178	355	0.39	ng	# 29
25) Fluoranthene	18.20	202	315	0.24	ng	# 78
27) Benzidine	18.59	184	7	Below Cal	#	1
28) Pyrene	18.59	202	321	0.35	ng	# 77
30) Benzo(a)anthracene	20.30	228	81	0.09	ng	# 1
31) 3,3'-Dichlorobenzidine	20.86	252	297	2.06	ng	# 20
32) Chrysene	20.36	228	116	Below Cal	#	1
33) Bis(2-ethylhexyl)phthalate	20.09	149	212	0.77	ng	# 52
34) Indeno(1,2,3-cd)pyrene	23.91	276	95	0.21	ng	# 81
36) Benzo(b)fluoranthene	21.67	252	185	0.26	ng	# 1
37) Benzo(k)fluoranthene	21.71	252	264	0.22	ng	# 1
38) Benzo(a)pyrene	22.15	252	212	0.33	ng	# 1
39) Dibenzo(a,h)anthracene	23.87	278	24	0.04	ng	# 1
40) Benzo(g,h,i)perylene	24.49	276	42	0.06	ng	# 1

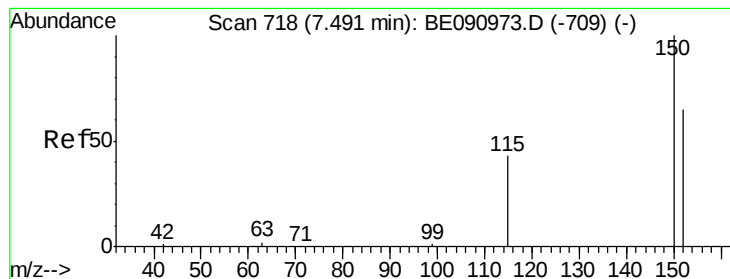
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 640

Delta R.T. 0.01 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

Instrument :

BNA_E

ClientSampleId :

TW-4

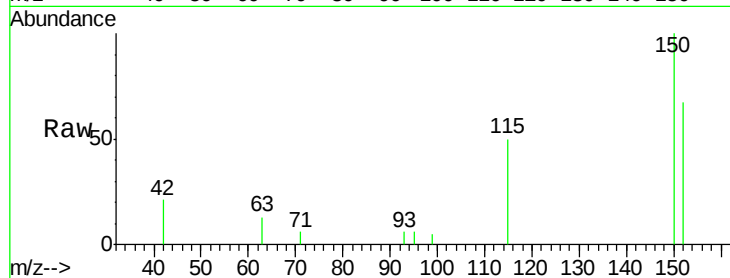
Tot Ion:152 Resp: 1752

Ion Ratio Lower Upper

152 100

150 150.1 122.6 183.8

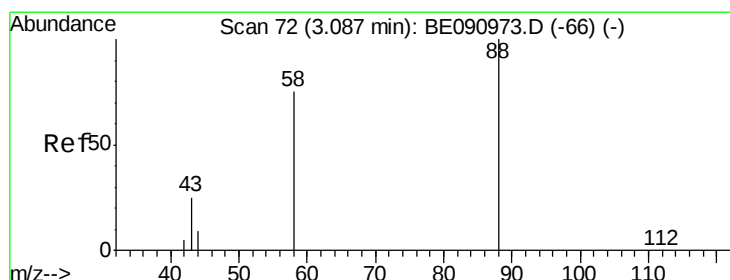
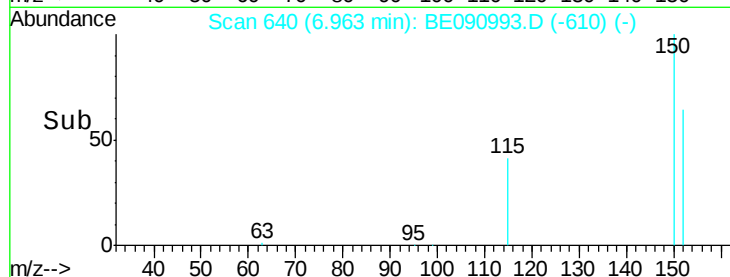
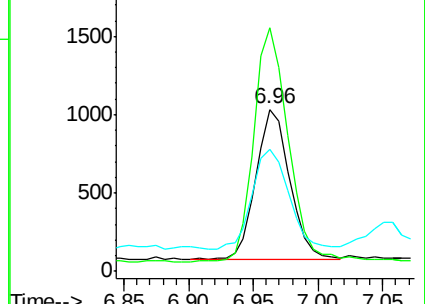
115 75.3 52.8 79.2



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: Below Cal

RT: 3.17 min Scan# 85

Delta R.T. -0.03 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

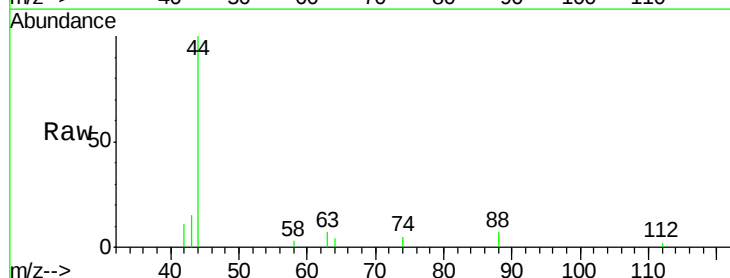
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

58 25.0 65.8 98.6#

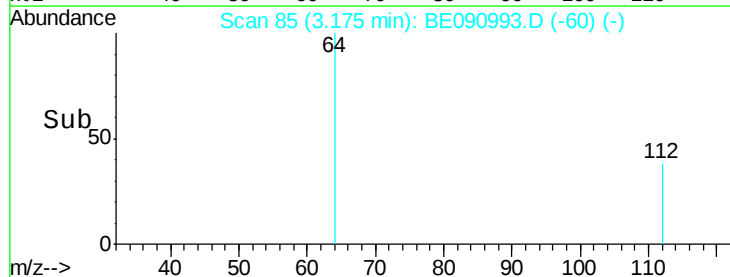
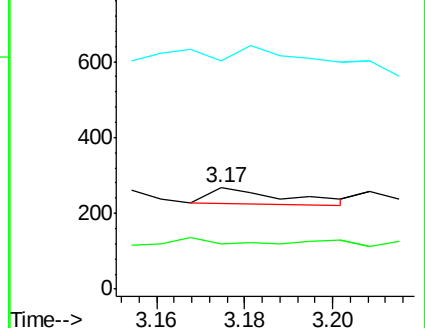
43 45.8 25.3 37.9#



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



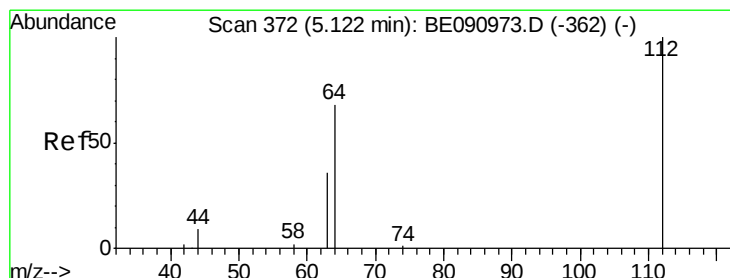
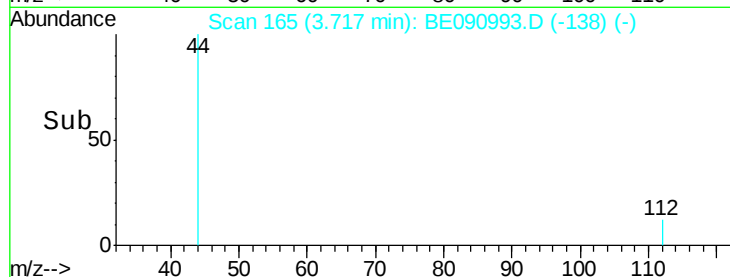
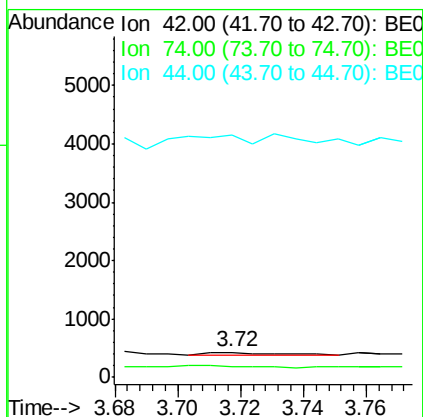
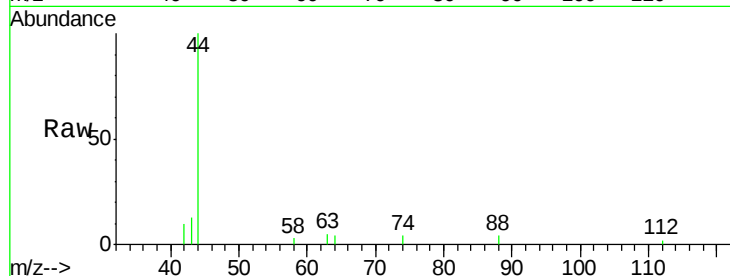


#3

n-Nitrosodimethylamine
 Concen: 0.32 ng
 RT: 3.72 min Scan# 165
 Delta R.T. -0.02 min
 Lab File: BE090993.D
 Acq: 7 Oct 2015 19:23

Instrument :
 BNA_E
 ClientSampled :
 TW-4

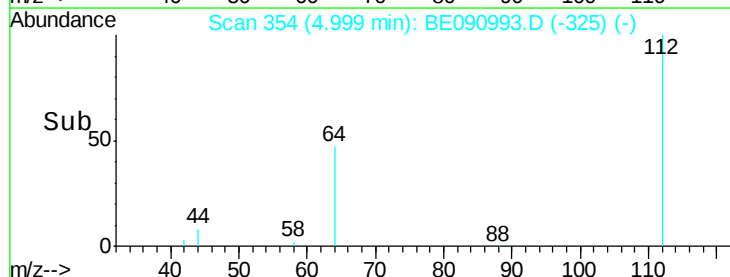
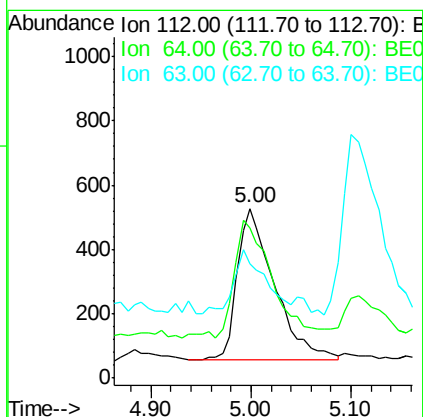
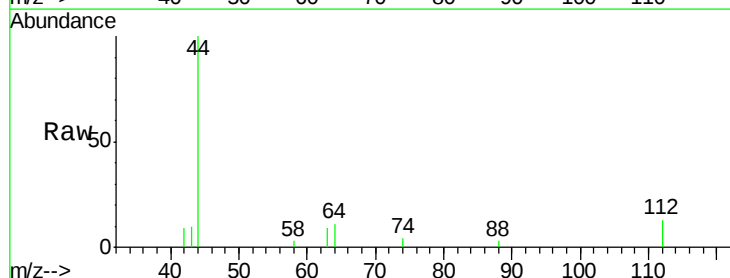
Tot Ion: 42 Resp: 100
 Ion Ratio Lower Upper
 42 100
 74 45.0 87.9 131.9#
 44 388.0 6.6 9.8#

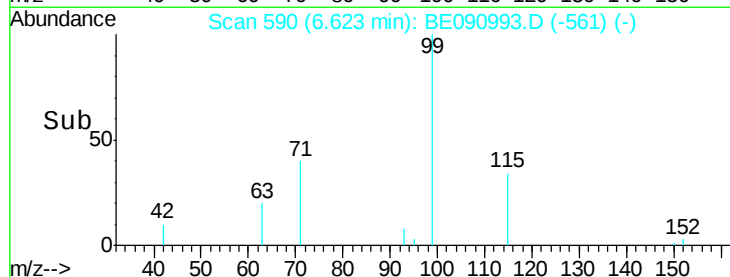
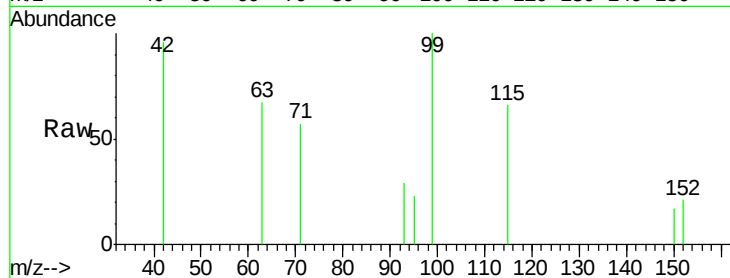
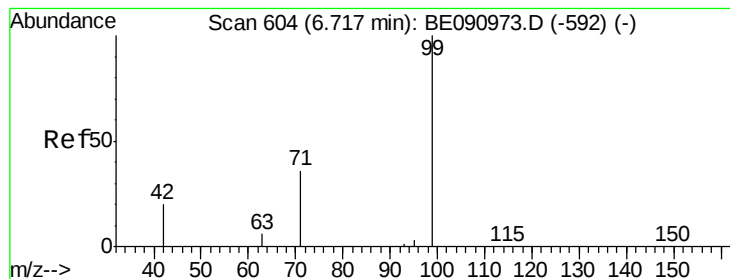


#4

2-Fluorophenol
 Concen: 3.49 ng
 RT: 5.00 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: BE090993.D
 Acq: 7 Oct 2015 19:23

Tgt Ion: 112 Resp: 1224
 Ion Ratio Lower Upper
 112 100
 64 77.9 30.9 46.3#
 63 34.4 16.7 25.1#





#5

Phenol-d6

Concen: 1.79 ng

RT: 6.62 min Scan# 590

Delta R.T. -0.00 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

Instrument :

BNA_E

ClientSampleId :

TW-4

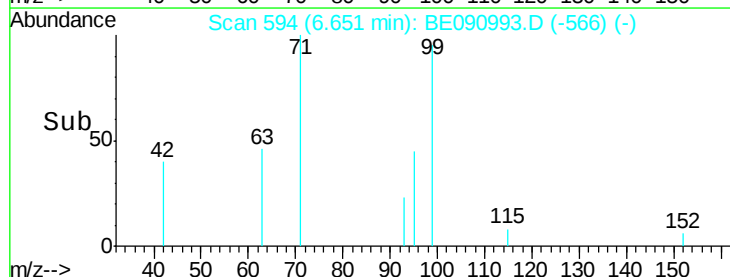
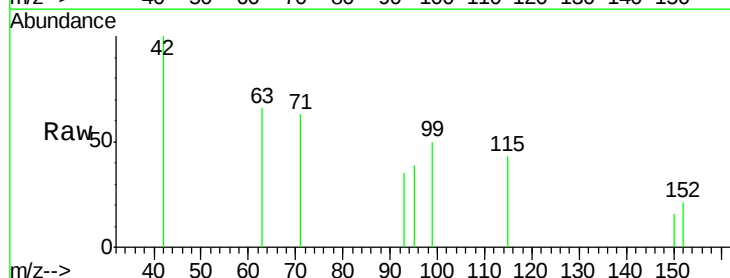
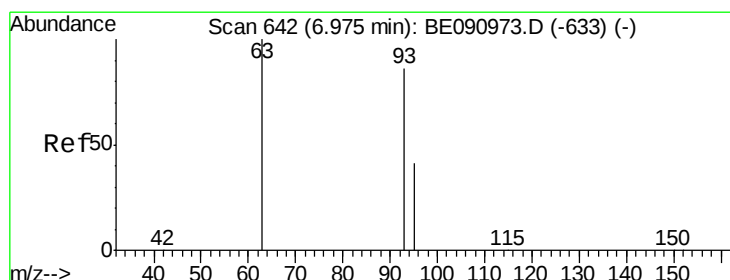
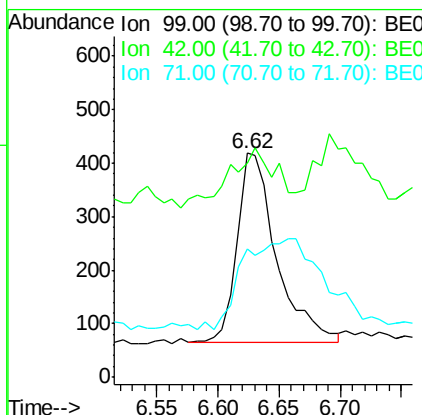
Tot Ion: 99 Resp: 804

Ion Ratio Lower Upper

99 100

42 38.1 16.2 24.2#

71 0.0 29.0 43.4#



#6

bis(2-Chloroethyl)ether

Concen: 0.21 ng

RT: 6.65 min Scan# 594

Delta R.T. -0.01 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

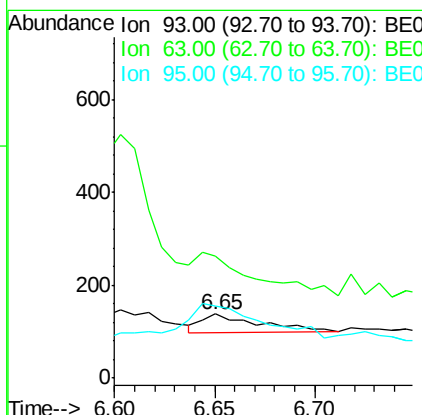
Tgt Ion: 93 Resp: 81

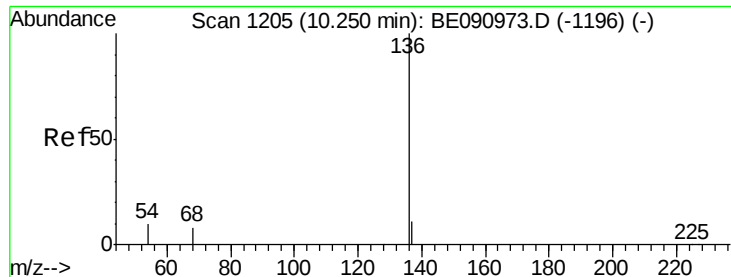
Ion Ratio Lower Upper

93 100

63 0.0 49.5 74.3#

95 338.3 22.2 33.4#





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 9.64 min Scan# 1162

Delta R.T. 0.01 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

Instrument :

BNA_E

ClientSampled :

TW-4

Tot Ion:136 Resp: 6608

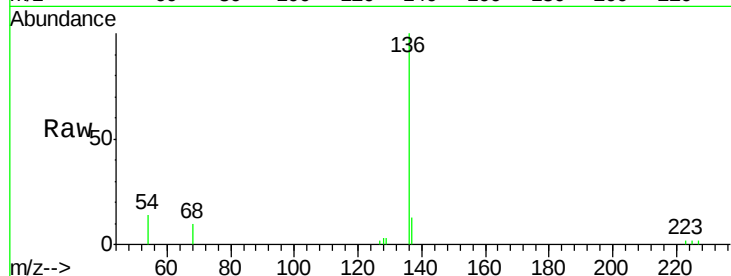
Ion Ratio Lower Upper

136 100

137 12.6 8.9 13.3

54 14.0 8.2 12.4#

68 10.4 6.2 9.4#

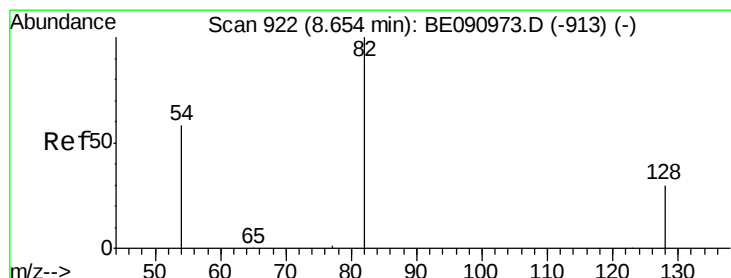
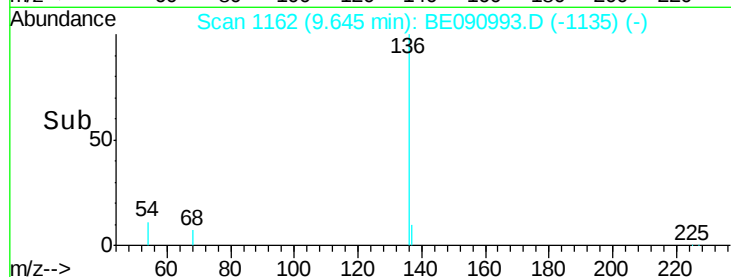
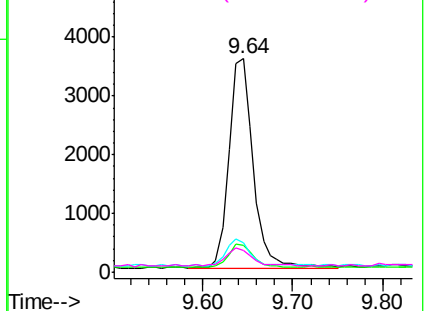


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.74 ng

RT: 8.24 min Scan# 878

Delta R.T. 0.00 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

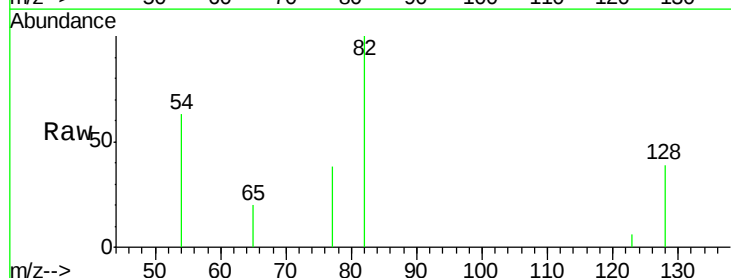
Tgt Ion: 82 Resp: 1611

Ion Ratio Lower Upper

82 100

128 39.4 25.4 38.0#

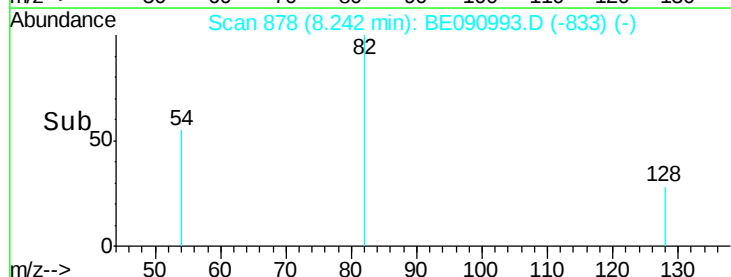
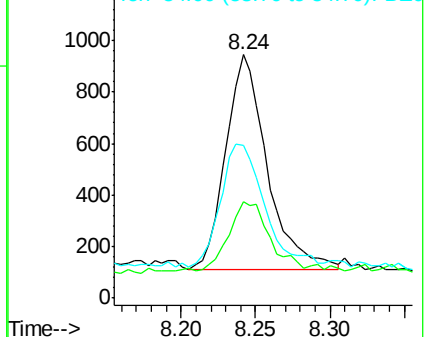
54 62.6 48.4 72.6

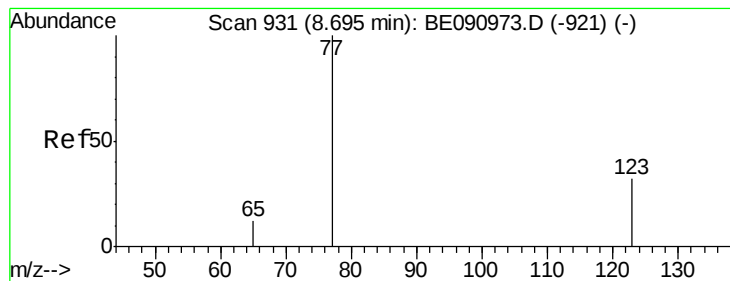


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.32 ng

RT: 8.26 min Scan# 882

Delta R.T. -0.01 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

Instrument :

BNA_E

ClientSampled :

TW-4

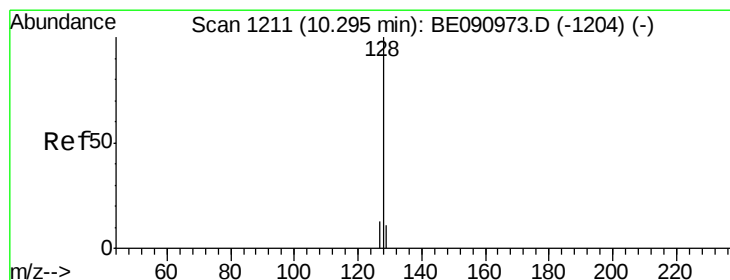
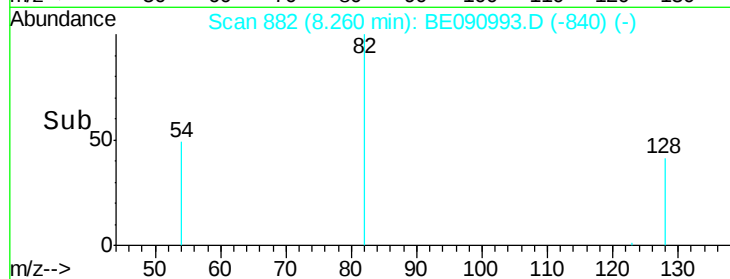
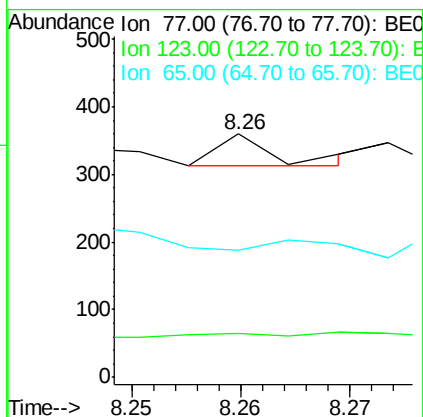
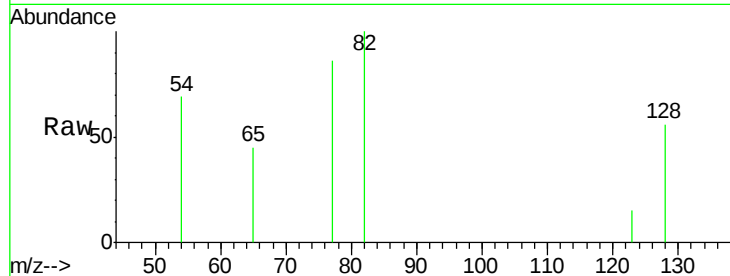
Tot Ion: 77 Resp: 19

Ion Ratio Lower Upper

77 100

123 5.3 26.9 40.3#

65 68.4 9.4 14.2#



#10

Naphthalene

Concen: 2.95 ng

RT: 9.68 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

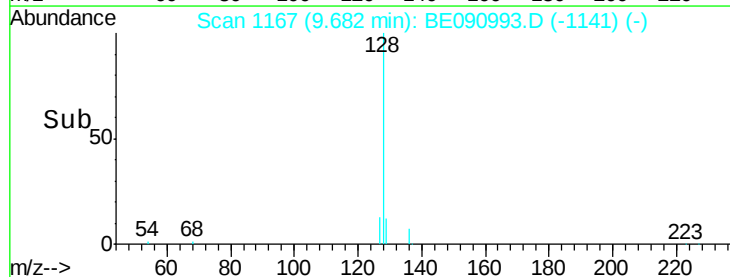
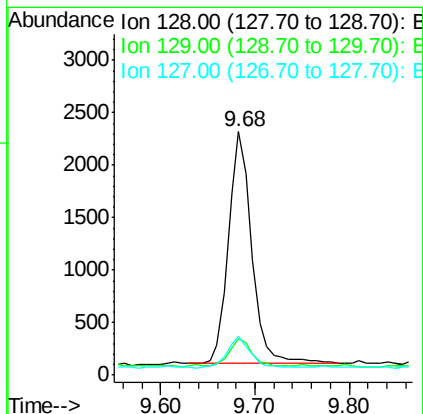
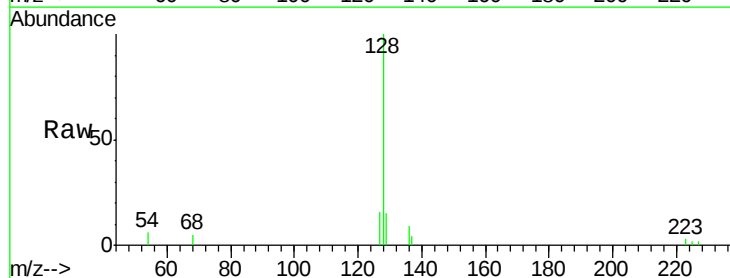
Tgt Ion: 128 Resp: 3790

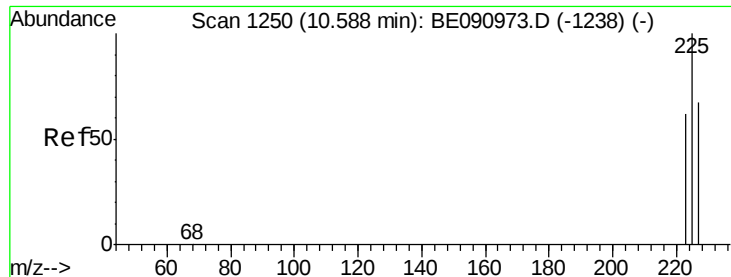
Ion Ratio Lower Upper

128 100

129 14.7 9.3 13.9#

127 15.7 10.7 16.1

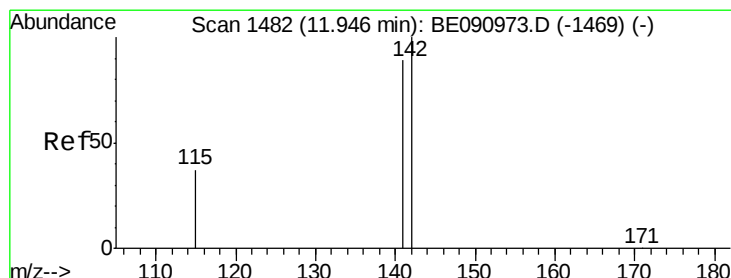
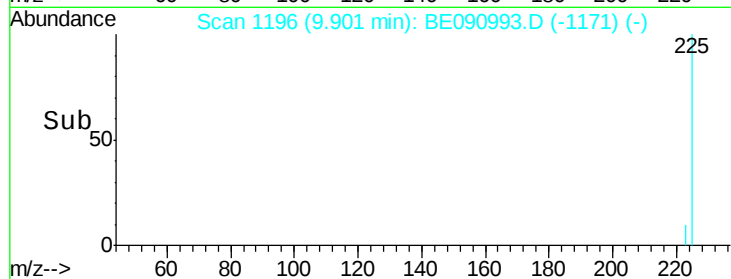
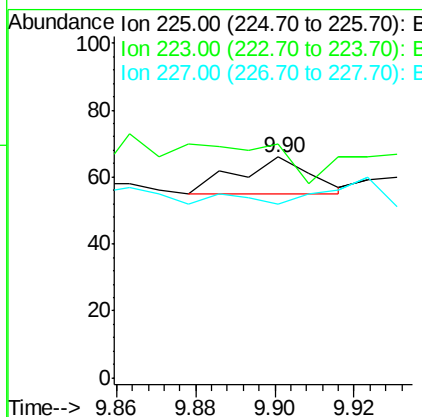
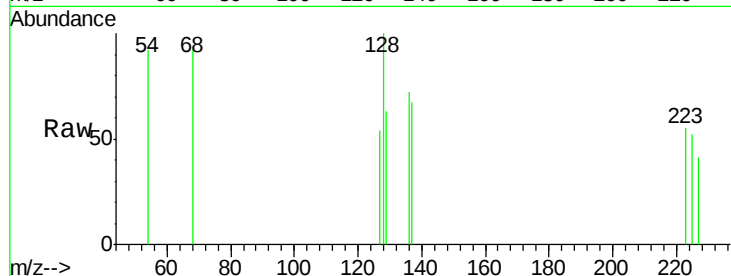




#11
Hexachlorobutadiene
Concen: Below Cal
RT: 9.90 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BE090993.D
Acq: 7 Oct 2015 19:23

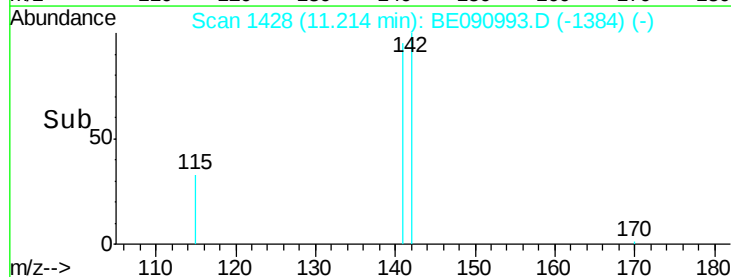
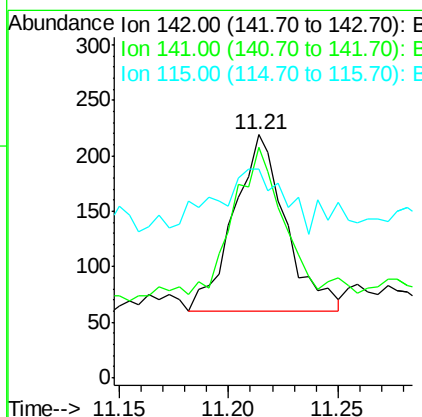
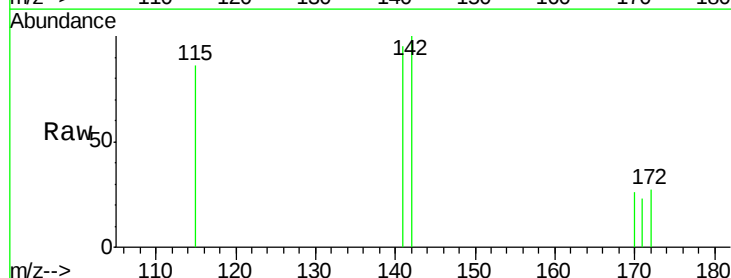
Instrument :
BNA_E
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TW-4

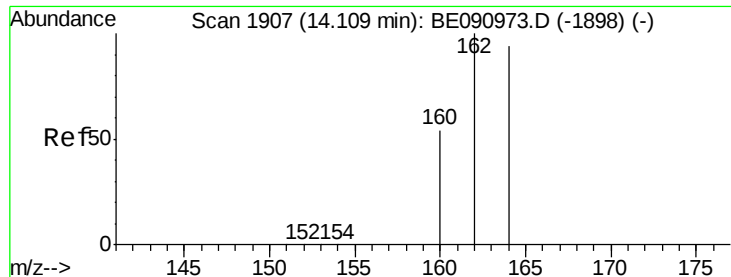
Tot Ion:225 Resp: 14
Ion Ratio Lower Upper
225 100
223 0.0 49.0 73.6#
227 0.0 50.3 75.5#



#12
2-Methylnaphthalene
Concen: 0.31 ng
RT: 11.21 min Scan# 1428
Delta R.T. -0.00 min
Lab File: BE090993.D
Acq: 7 Oct 2015 19:23

Tgt Ion:142 Resp: 264
Ion Ratio Lower Upper
142 100
141 95.0 71.4 107.0
115 85.8 30.3 45.5#





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 13.46 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

Instrument :

BNA_E

ClientSampleId :

TW-4

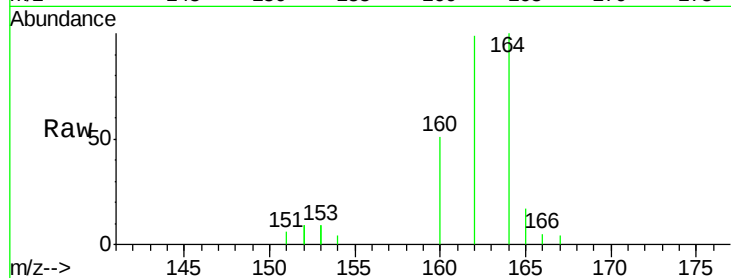
Tot Ion:164 Resp: 2397

Ion Ratio Lower Upper

164 100

162 99.0 85.3 127.9

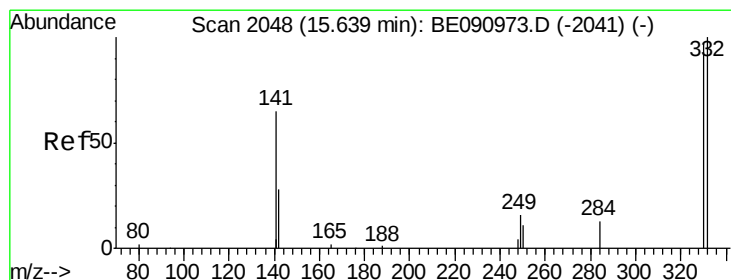
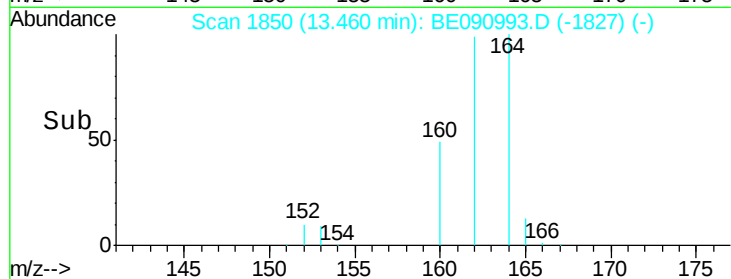
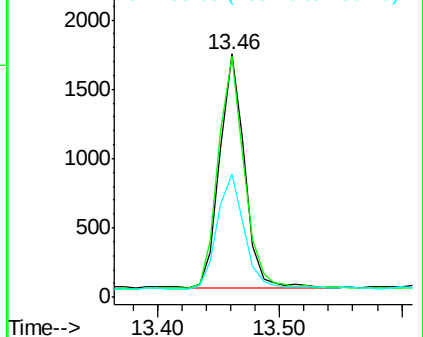
160 50.7 46.2 69.2



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



#14

2,4,6-Tribromophenol

Concen: 4.37 ng

RT: 14.99 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

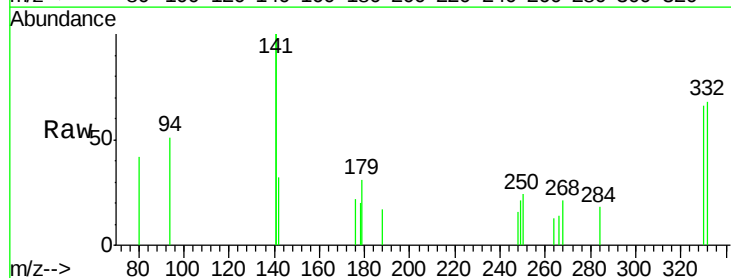
Tgt Ion:330 Resp: 356

Ion Ratio Lower Upper

330 100

332 105.1 79.1 118.7

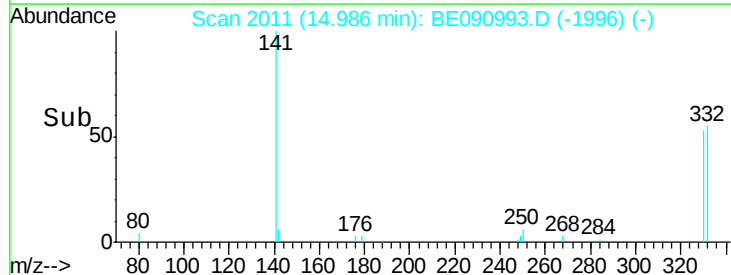
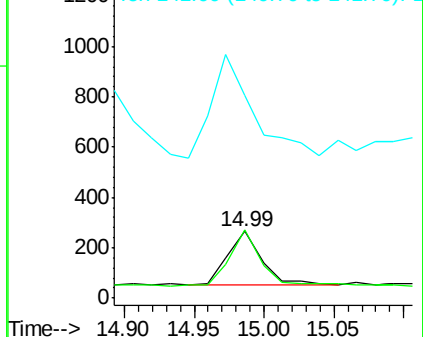
141 256.2 125.4 188.0#

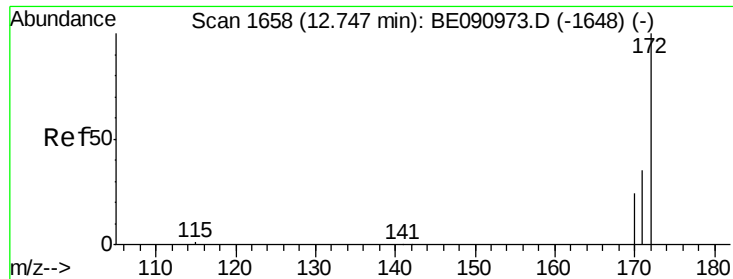


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

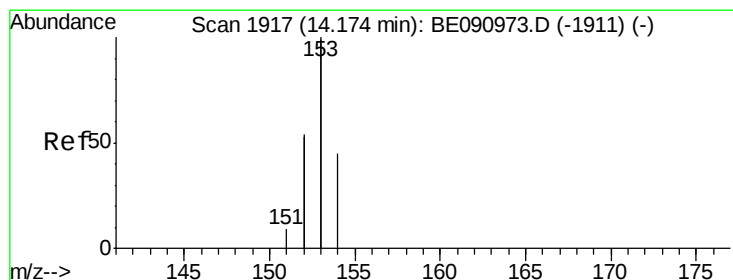
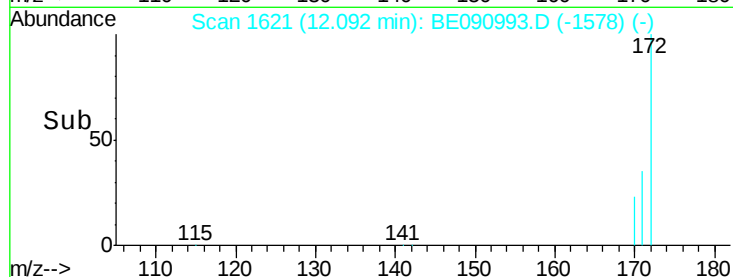
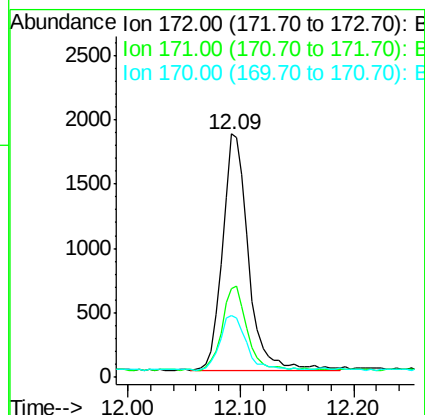
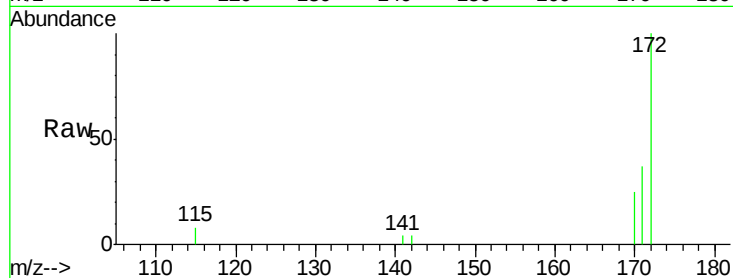




#15
2-Fluorobiphenyl
Concen: 4.47 ng
RT: 12.09 min Scan# 1621
Delta R.T. -0.00 min
Lab File: BE090993.D
Acq: 7 Oct 2015 19:23

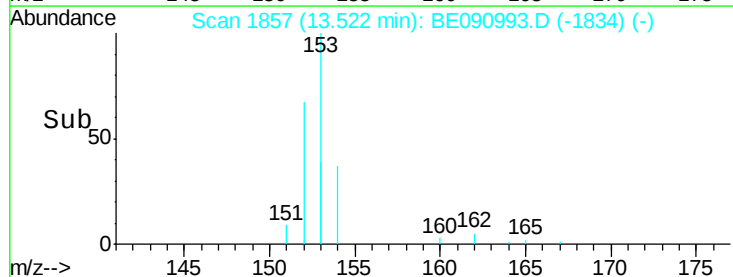
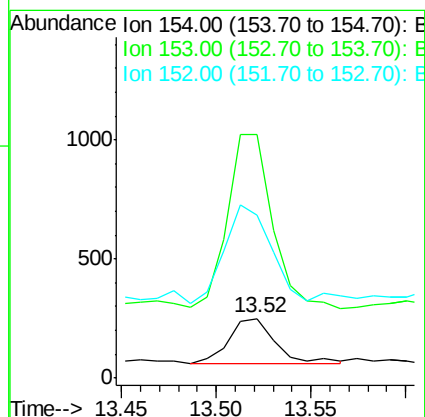
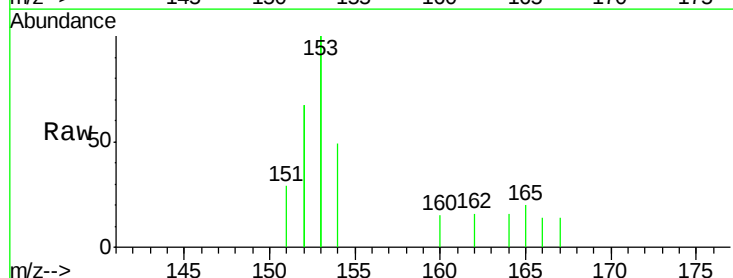
Instrument :
BNA_E
ClientSampleId :
TW-4

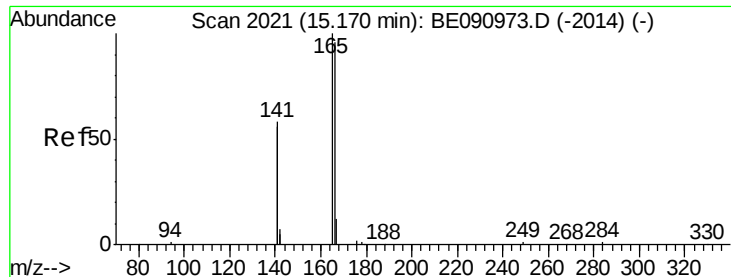
Tot Ion:172 Resp: 2902
Ion Ratio Lower Upper
172 100
171 36.6 28.8 43.2
170 25.5 19.3 28.9



#17
Acenaphthene
Concen: 0.50 ng
RT: 13.52 min Scan# 1857
Delta R.T. 0.00 min
Lab File: BE090993.D
Acq: 7 Oct 2015 19:23

Tgt Ion:154 Resp: 318
Ion Ratio Lower Upper
154 100
153 374.2 352.0 528.0
152 227.0 200.0 300.0





#18

Fluorene

Concen: 0.35 ng

RT: 14.50 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

Instrument :

BNA_E

ClientSampled :

TW-4

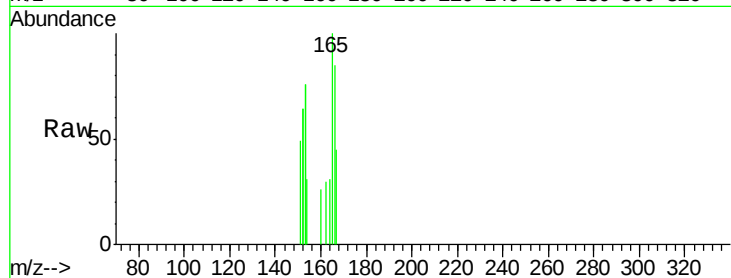
Tot Ion:166 Resp: 277

Ion Ratio Lower Upper

166 100

165 100.0 80.8 121.2

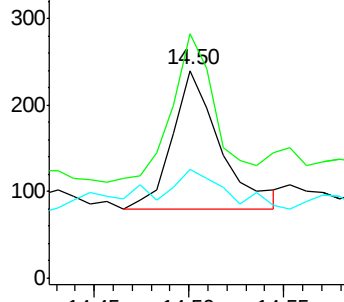
167 52.7 10.9 16.3#



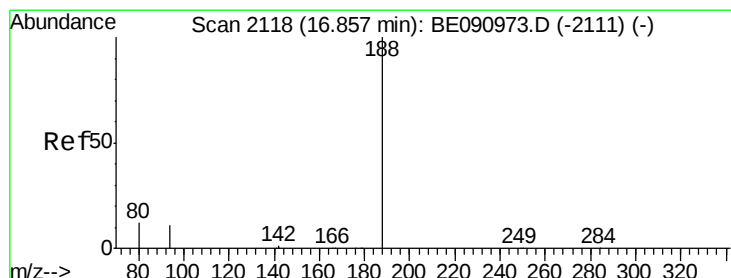
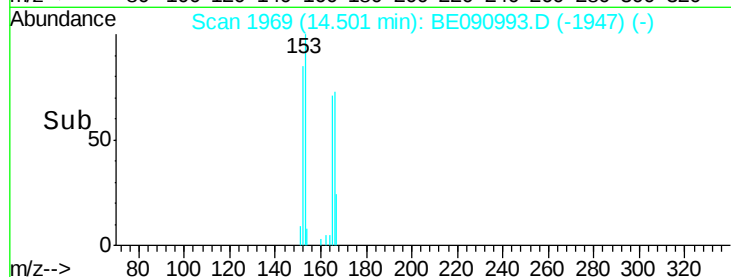
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.19 min Scan# 2101

Delta R.T. 0.00 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

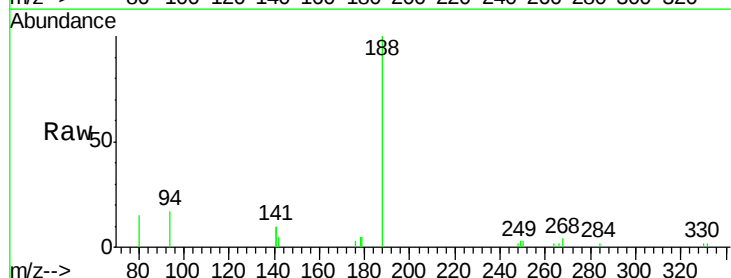
Tgt Ion:188 Resp: 4323

Ion Ratio Lower Upper

188 100

94 17.1 8.7 13.1#

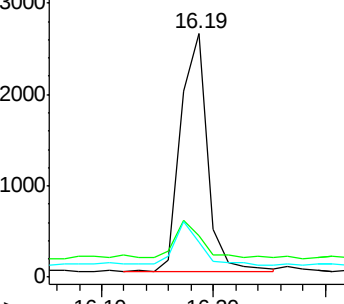
80 14.6 9.4 14.0#



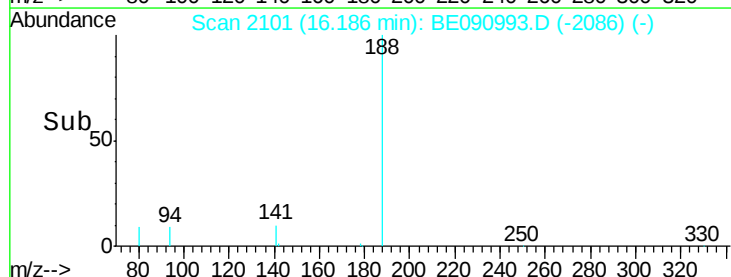
Abundance Ion 188.00 (187.70 to 188.70): E

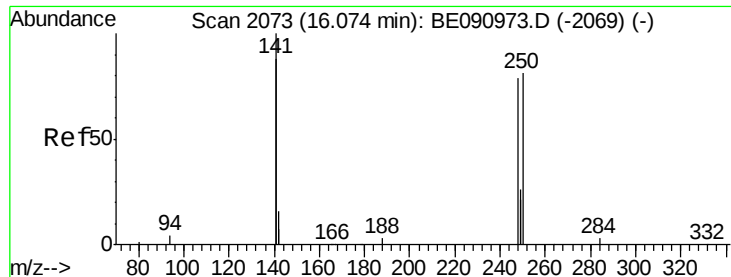
Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time-->

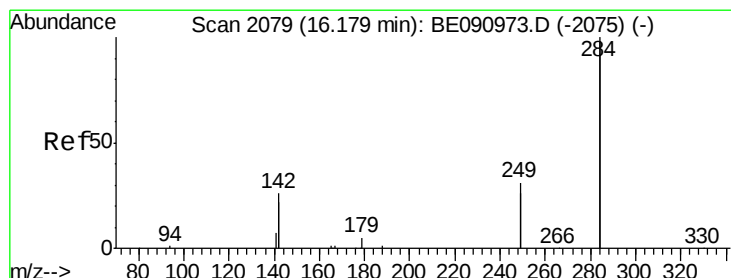
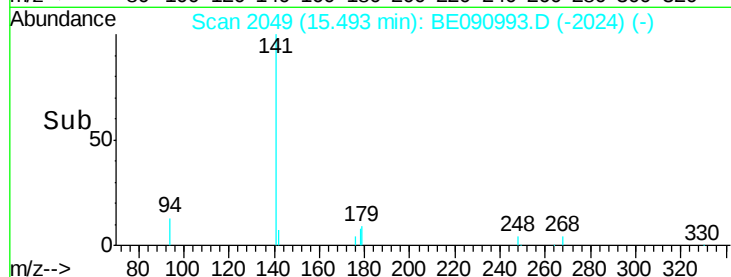
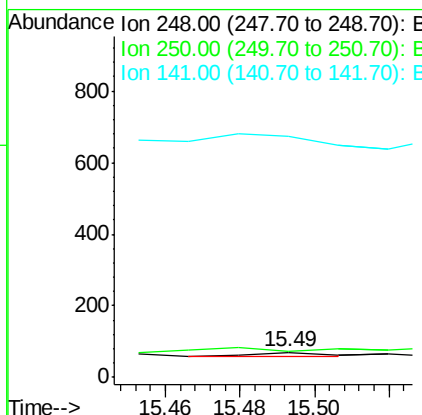
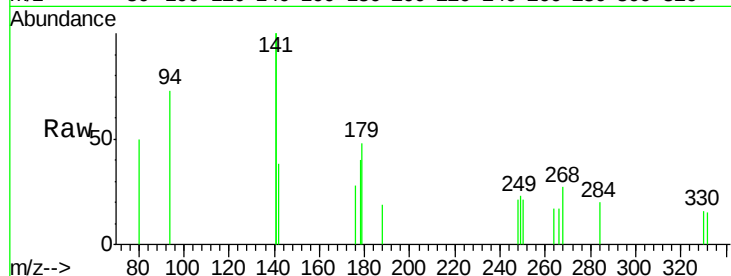




#20
4-Bromophenyl-phenylether
Concen: 0.09 ng
RT: 15.49 min Scan# 2049
Delta R.T. 0.13 min
Lab File: BE090993.D
Acq: 7 Oct 2015 19:23

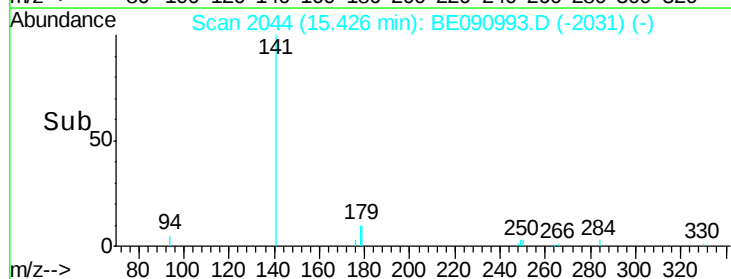
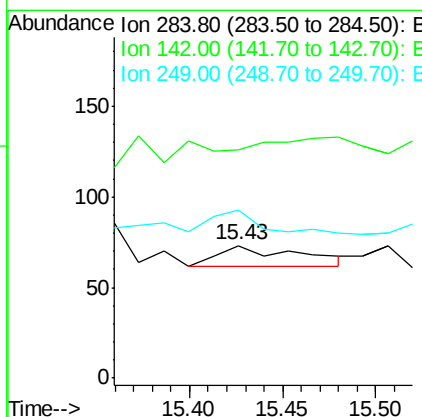
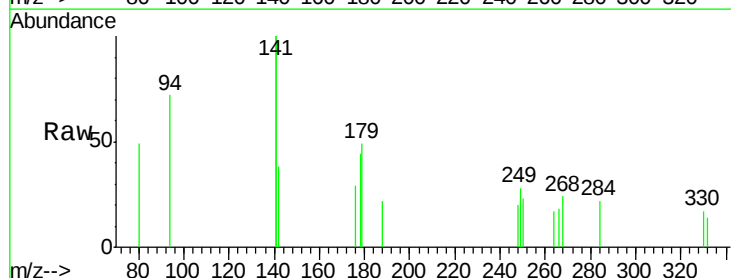
Instrument :
BNA_E
ClientSampleId :
TW-4

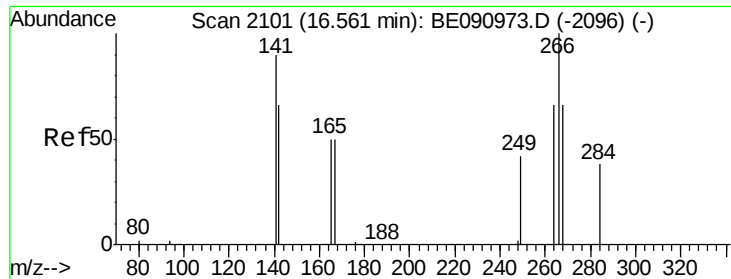
Tot Ion:248 Resp: 14
Ion Ratio Lower Upper
248 100
250 114.3 80.5 120.7
141 342.9 261.9 392.9



#21
Hexachlorobenzene
Concen: Below Cal
RT: 15.43 min Scan# 2044
Delta R.T. -0.03 min
Lab File: BE090993.D
Acq: 7 Oct 2015 19:23

Tgt Ion:284 Resp: 32
Ion Ratio Lower Upper
284 100
142 0.0 32.2 48.2#
249 237.5 25.4 38.2#





#22

Pentachlorophenol

Concen: 0.67 ng

RT: 15.92 min Scan# 2081

Delta R.T. -0.01 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

Instrument :

BNA_E

ClientSampleId :

TW-4

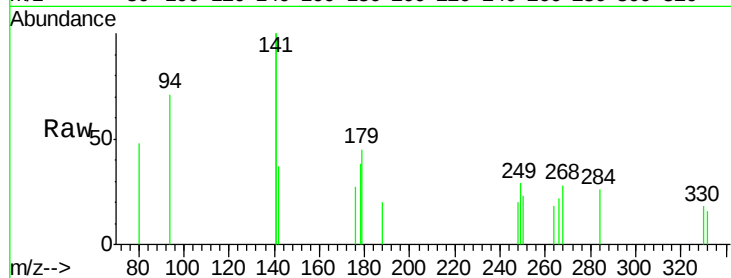
Tot Ion:266 Resp: 31

Ion Ratio Lower Upper

266 100

268 127.5 58.2 87.2#

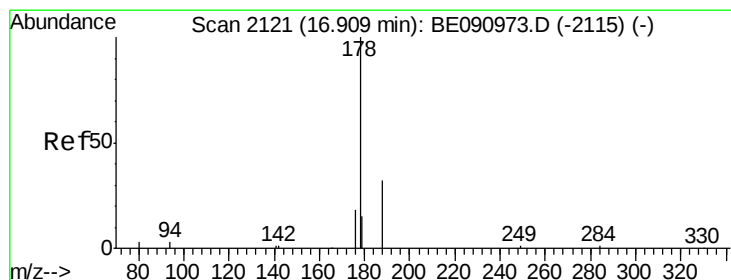
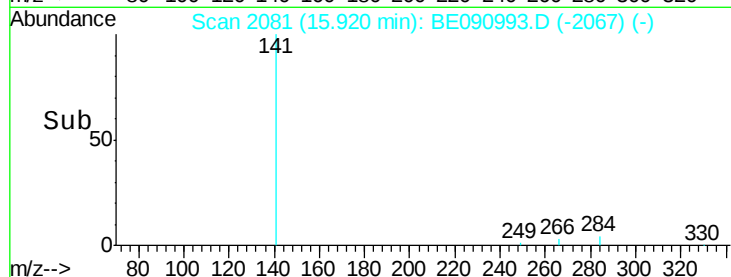
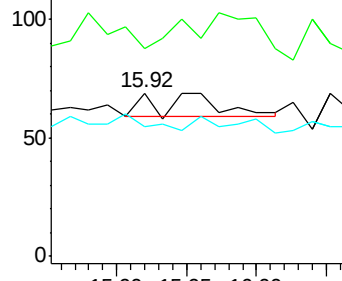
264 79.7 56.2 84.4



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



#23

Phenanthrene

Concen: 0.95 ng

RT: 16.21 min Scan# 2103

Delta R.T. -0.01 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

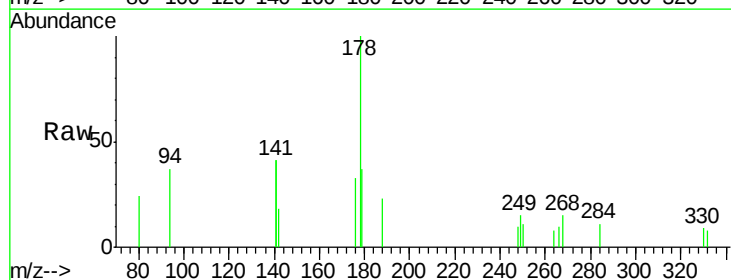
Tgt Ion:178 Resp: 994

Ion Ratio Lower Upper

178 100

176 23.5 15.3 22.9#

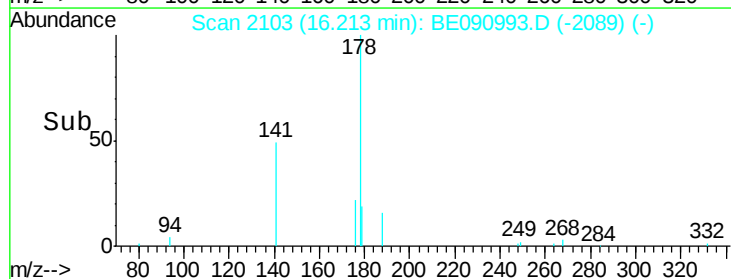
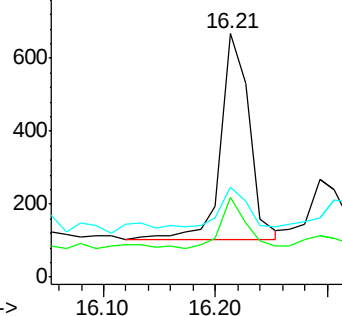
179 20.0 12.6 18.8#

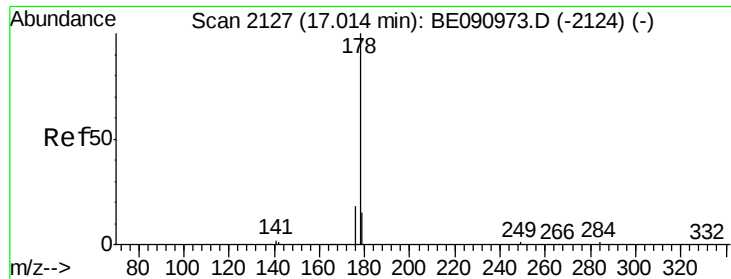


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

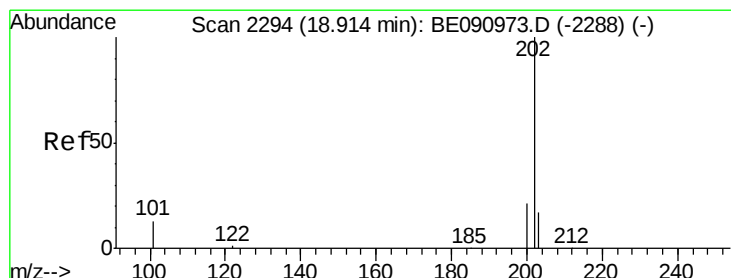
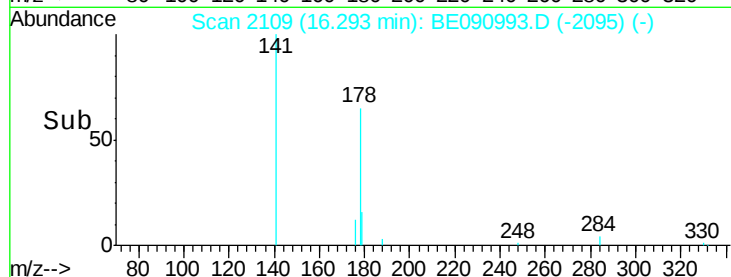
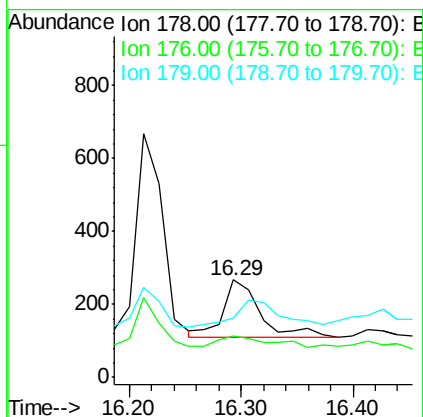
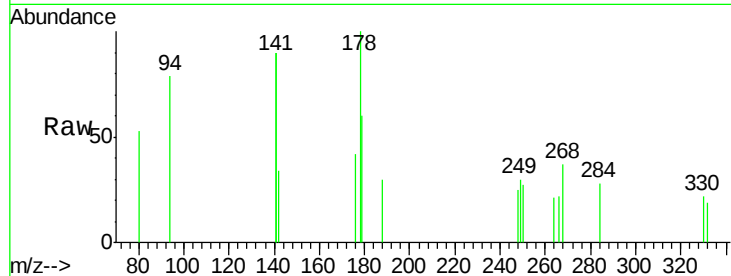




#24
 Anthracene
 Concen: 0.39 ng
 RT: 16.29 min Scan# 2109
 Delta R.T. -0.01 min
 Lab File: BE090993.D
 Acq: 7 Oct 2015 19:23

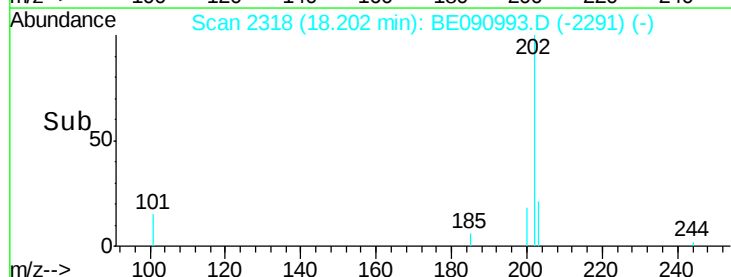
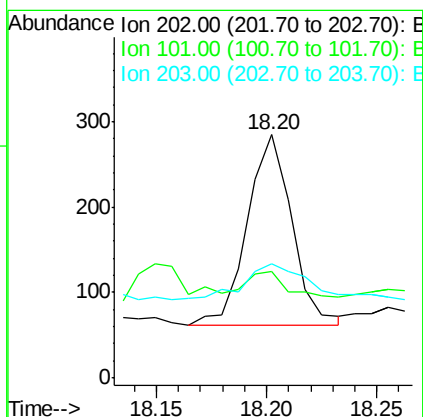
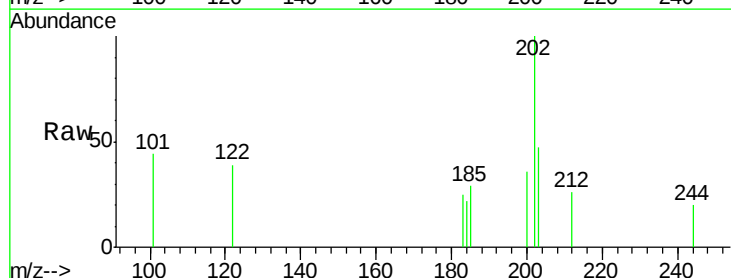
Instrument :
 BNA_E
 ClientSampleId :
 TW-4

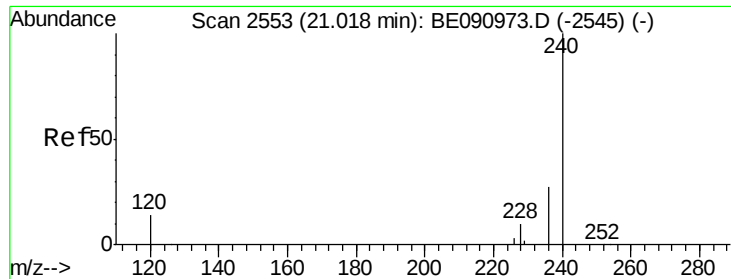
Tot Ion:178 Resp: 355
 Ion Ratio Lower Upper
 178 100
 176 36.3 14.6 21.8#
 179 59.2 11.8 17.6#



#25
 Fluoranthene
 Concen: 0.24 ng
 RT: 18.20 min Scan# 2318
 Delta R.T. 0.00 min
 Lab File: BE090993.D
 Acq: 7 Oct 2015 19:23

Tgt Ion:202 Resp: 315
 Ion Ratio Lower Upper
 202 100
 101 19.4 11.0 16.6#
 203 29.5 13.9 20.9#

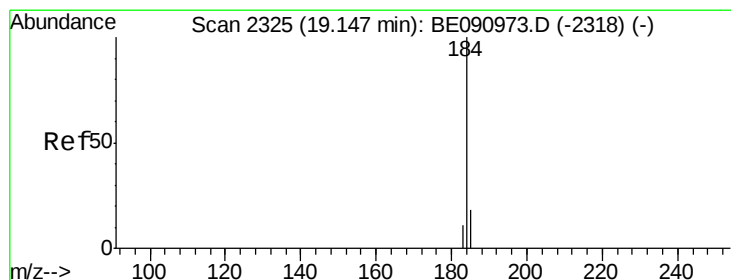
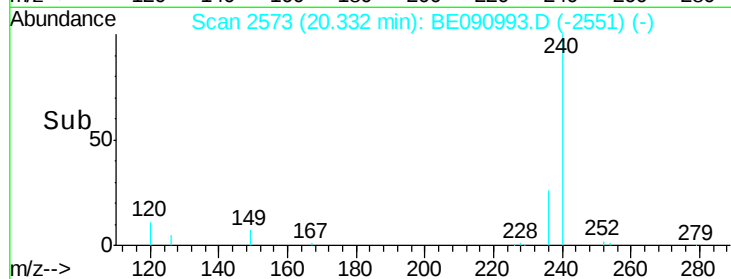
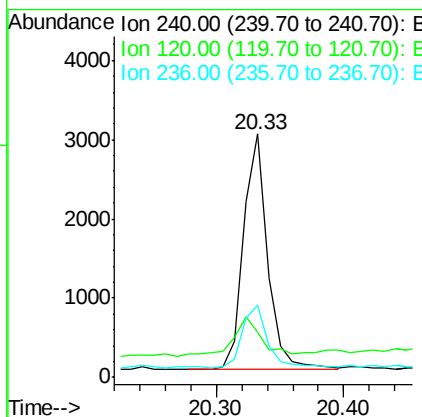
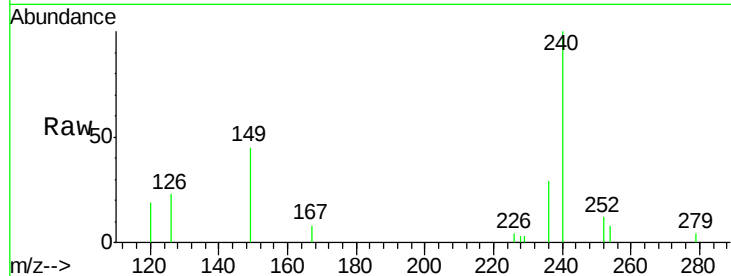




#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 20.33 min Scan# 2573
 Delta R.T. -0.00 min
 Lab File: BE090993.D
 Acq: 7 Oct 2015 19:23

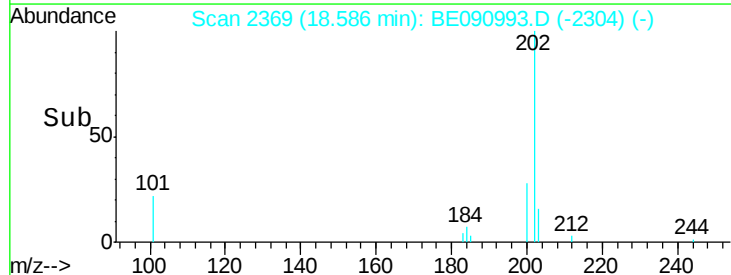
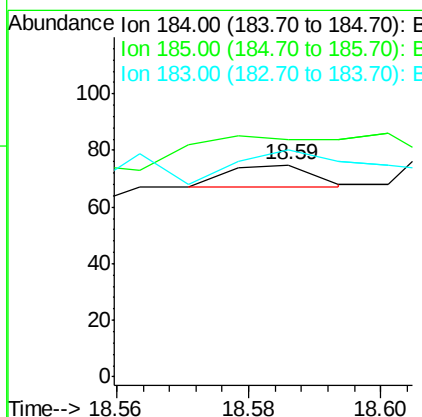
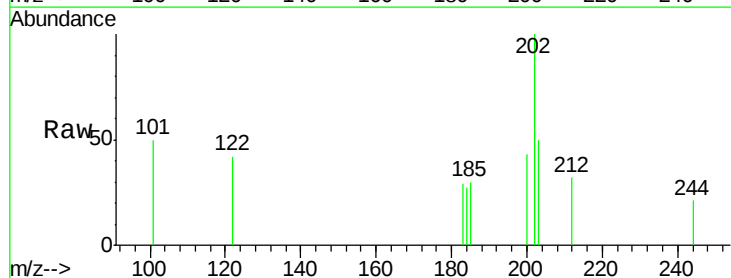
Instrument :
 BNA_E
 ClientSampleId :
 TW-4

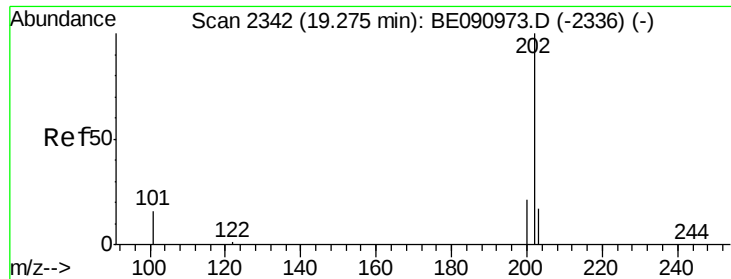
Tot Ion:240 Resp: 3914
 Ion Ratio Lower Upper
 240 100
 120 18.6 11.0 16.4#
 236 29.4 21.7 32.5



#27
 Benzidine
 Concen: Below Cal
 RT: 18.59 min Scan# 2369
 Delta R.T. -0.01 min
 Lab File: BE090993.D
 Acq: 7 Oct 2015 19:23

Tgt Ion:184 Resp: 7
 Ion Ratio Lower Upper
 184 100
 185 112.0 22.3 33.5#
 183 106.7 16.4 24.6#





#28

Pvrene

Concen: 0.35 ng

RT: 18.59 min Scan# 2369

Delta R.T. 0.00 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

Instrument :

BNA_E

ClientSampleId :

TW-4

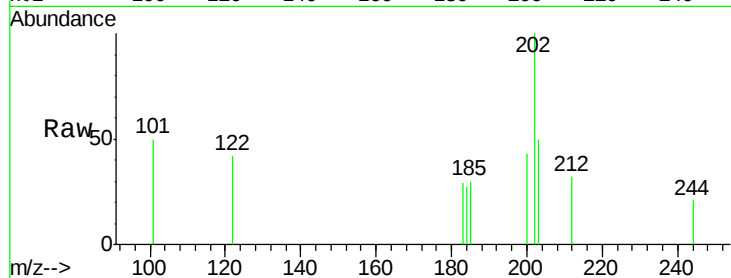
Tot Ion:202 Resp: 321

Ion Ratio Lower Upper

202 100

200 26.5 16.8 25.2#

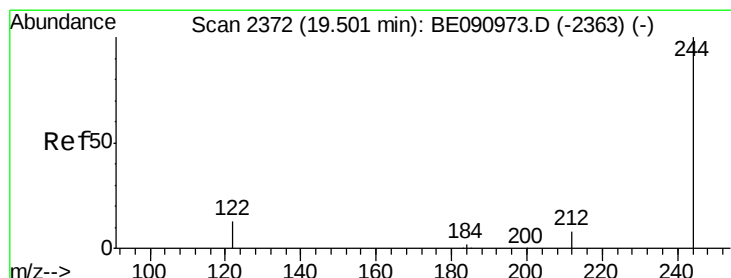
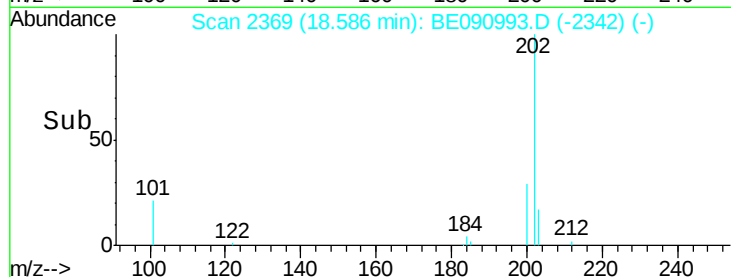
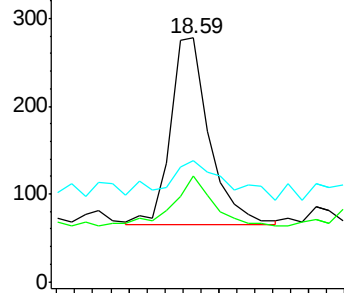
203 33.6 14.0 21.0#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 5.36 ng

RT: 18.73 min Scan# 2388

Delta R.T. -0.01 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

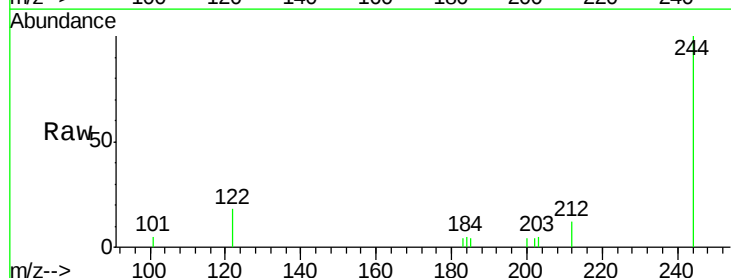
Tgt Ion:244 Resp: 2588

Ion Ratio Lower Upper

244 100

212 12.0 6.9 10.3#

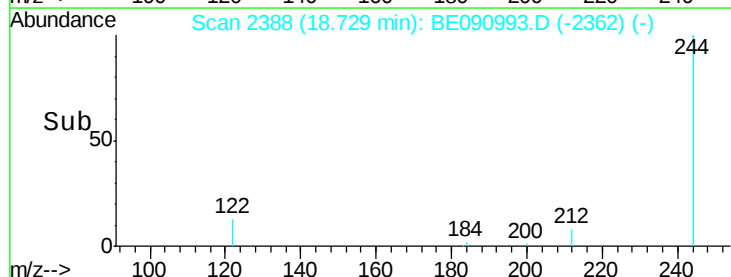
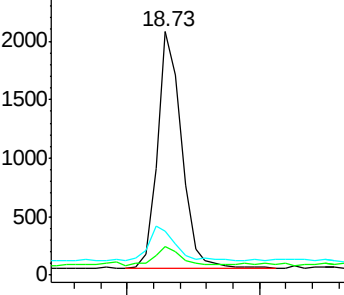
122 18.1 11.0 16.4#

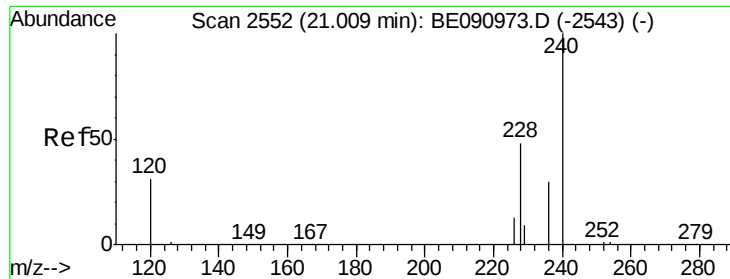


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.09 ng

RT: 20.30 min Scan# 2569

Delta R.T. -0.01 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

Instrument :

BNA_E

ClientSampled :

TW-4

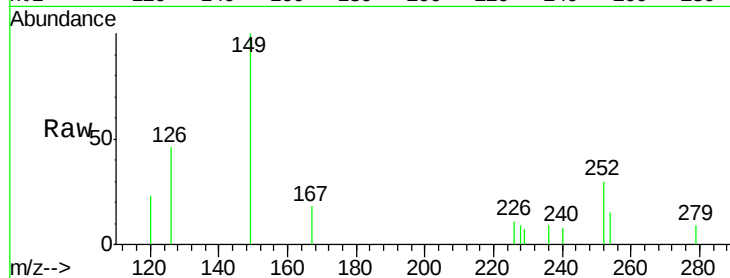
Tot Ion:228 Resp: 81

Ion Ratio Lower Upper

228 100

226 119.3 21.0 31.4#

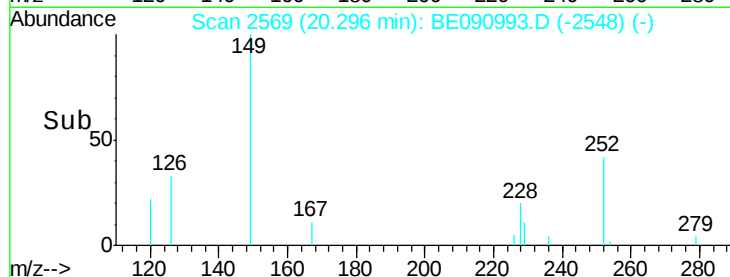
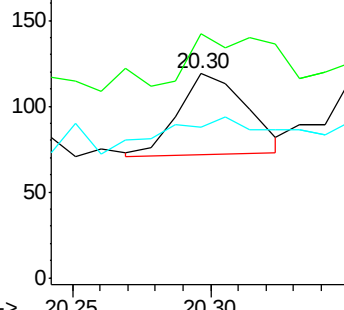
229 73.9 15.7 23.5#



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



#31

3,3'-Dichlorobenzidine

Concen: 2.06 ng

RT: 20.86 min Scan# 2631

Delta R.T. 0.02 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

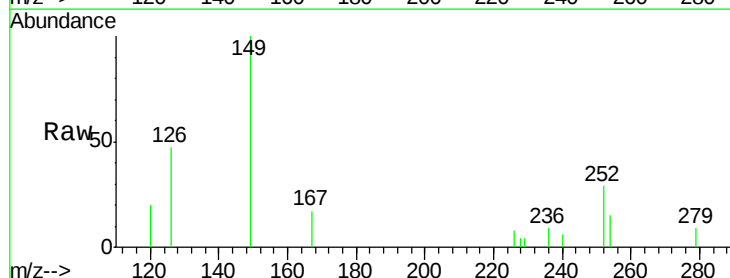
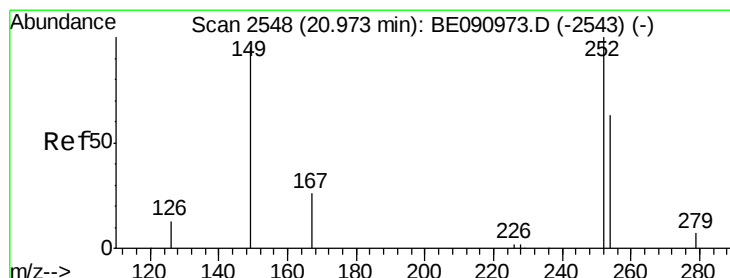
Tgt Ion:252 Resp: 297

Ion Ratio Lower Upper

252 100

254 53.7 51.1 76.7

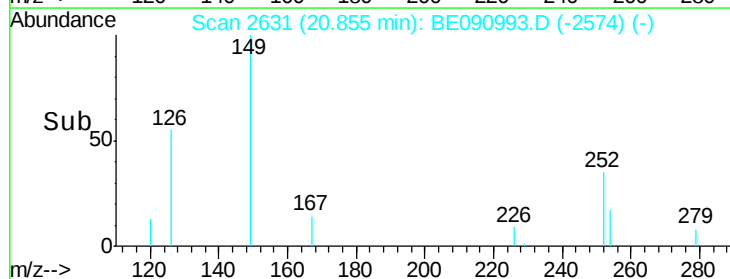
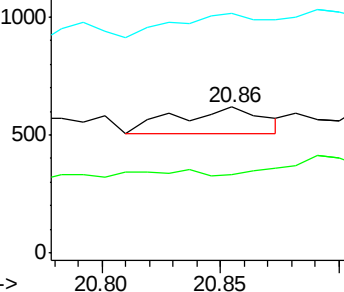
126 164.1 12.6 18.8#

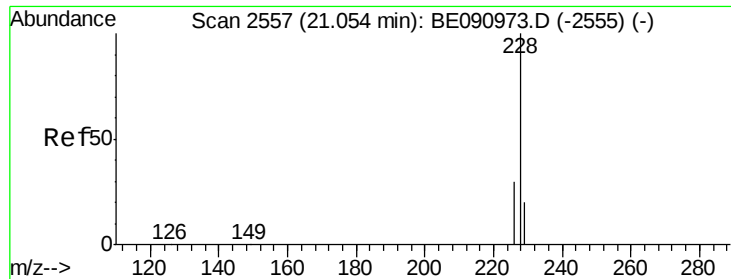


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#32

Chrysene

Concen: Below Cal

RT: 20.36 min Scan# 2576

Delta R.T. -0.00 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

Instrument :

BNA_E

ClientSampled :

TW-4

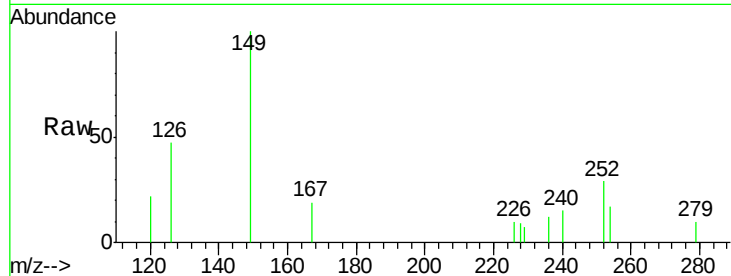
Tot Ion:228 Resp: 116

Ion Ratio Lower Upper

228 100

226 110.1 24.0 36.0#

229 79.8 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

20.36

150

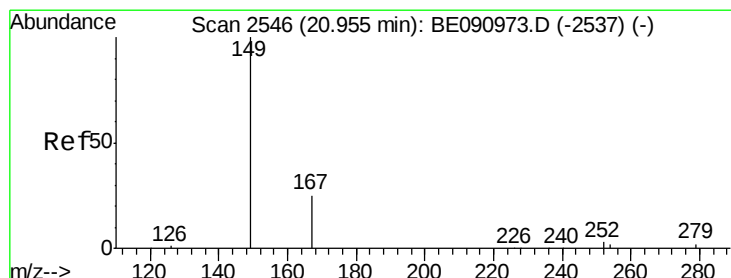
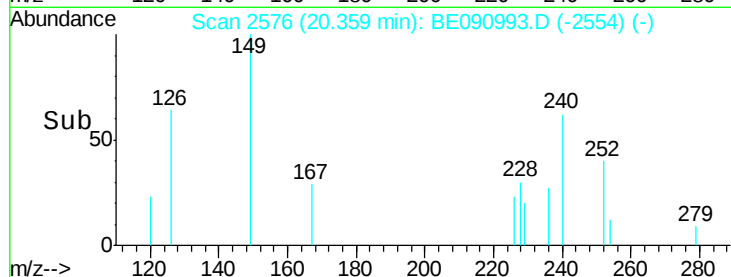
100

50

0

20.30 20.35 20.40

Time-->



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.77 ng

RT: 20.09 min Scan# 2546

Delta R.T. 0.07 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

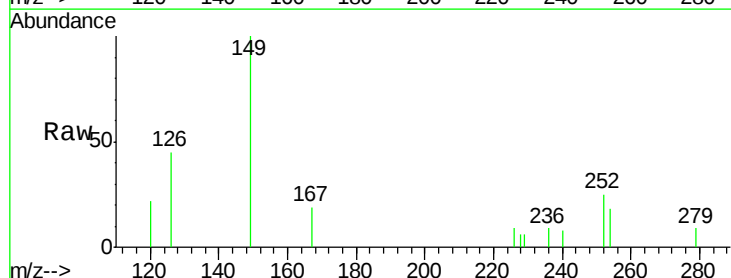
Tgt Ion:149 Resp: 212

Ion Ratio Lower Upper

149 100

167 0.0 19.5 29.3#

279 16.5 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

20.09

1500

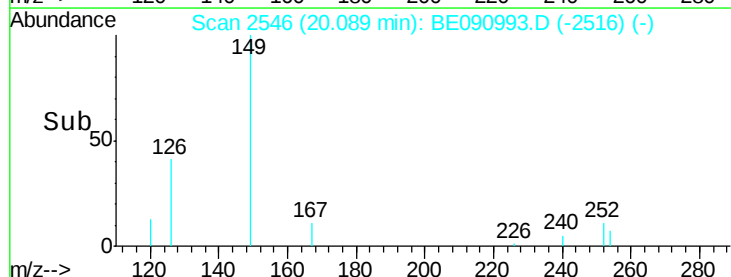
1000

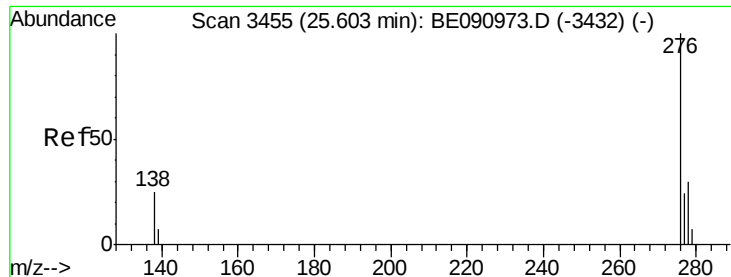
500

0

20.05 20.10

Time-->

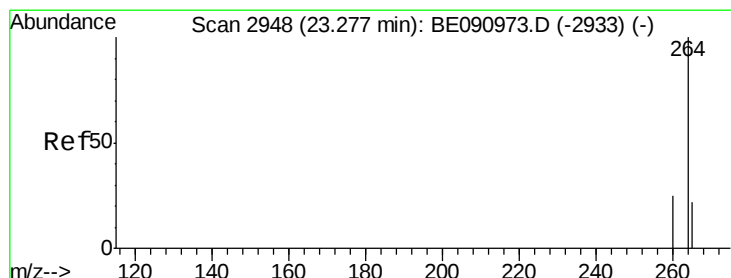
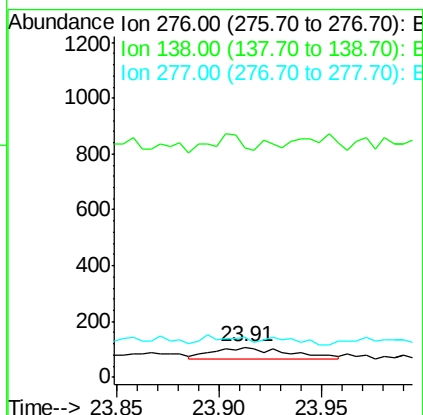
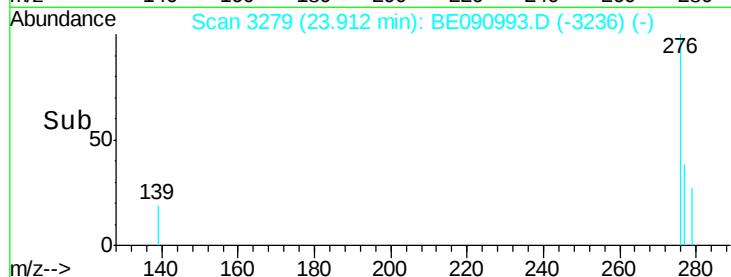
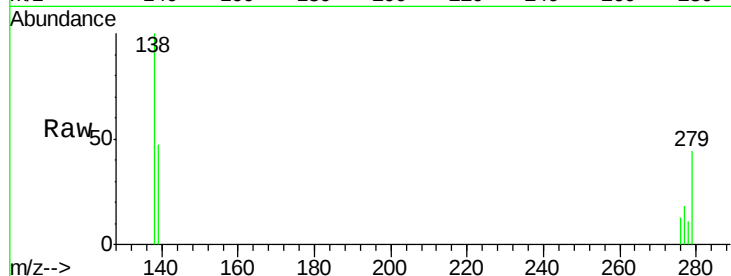




#34
Indeno(1,2,3-cd)pyrene
Concen: 0.21 ng
RT: 23.91 min Scan# 3279
Delta R.T. -0.00 min
Lab File: BE090993.D
Acq: 7 Oct 2015 19:23

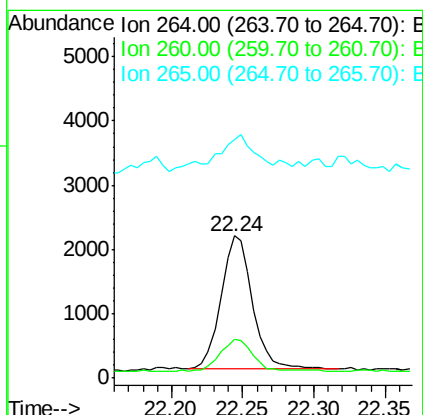
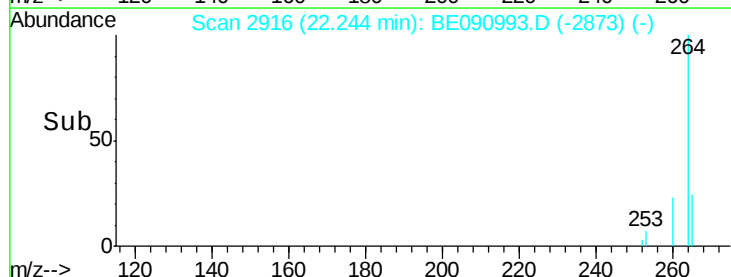
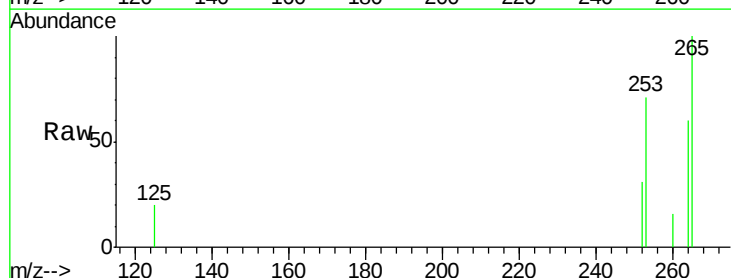
Instrument :
BNA_E
ClientSampleId :
TW-4

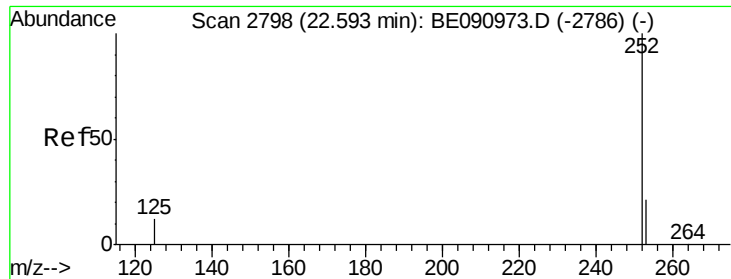
Tot Ion:276 Resp: 95
Ion Ratio Lower Upper
276 100
138 18.9 23.4 35.2#
277 33.7 19.8 29.8#



#35
Perylene-d12
Concen: 5.00 ng
RT: 22.24 min Scan# 2916
Delta R.T. -0.00 min
Lab File: BE090993.D
Acq: 7 Oct 2015 19:23

Tgt Ion:264 Resp: 3181
Ion Ratio Lower Upper
264 100
260 27.2 20.0 30.0
265 167.8 17.5 26.3#





#36

Benzo(b)fluoranthene

Concen: 0.26 ng

RT: 21.67 min Scan# 2790

Delta R.T. -0.00 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

Instrument :

BNA_E

ClientSampleId :

TW-4

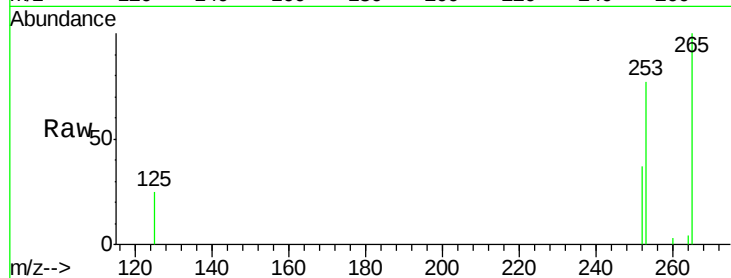
Tot Ion:252 Resp: 185

Ion Ratio Lower Upper

252 100

253 208.6 17.4 26.0#

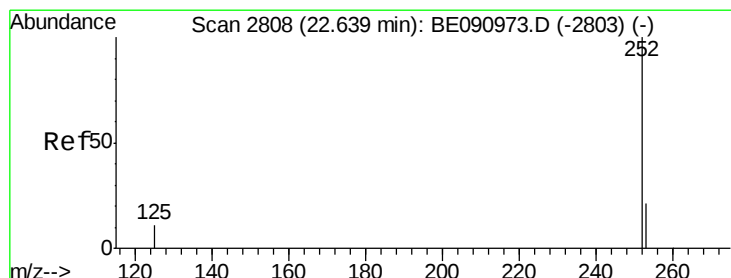
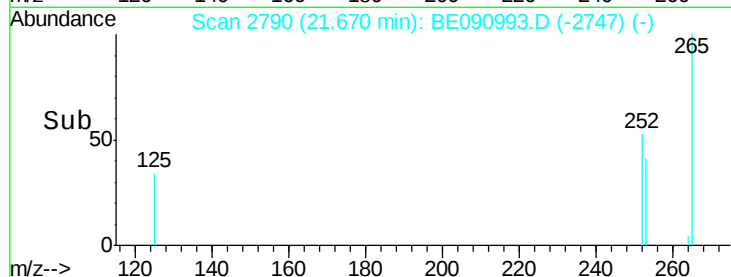
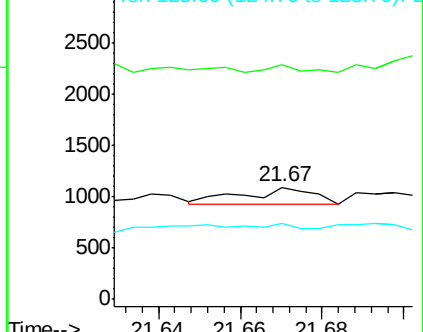
125 68.1 10.2 15.2#



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



#37

Benzo(k)fluoranthene

Concen: 0.22 ng

RT: 21.71 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

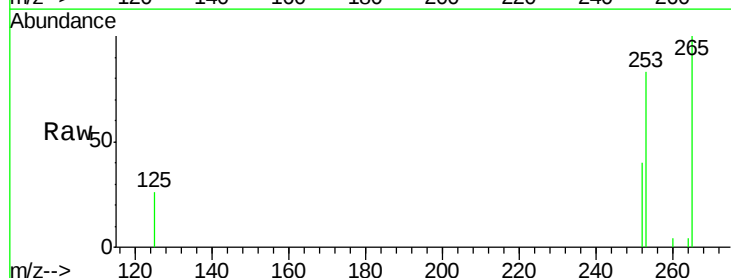
Tgt Ion:252 Resp: 264

Ion Ratio Lower Upper

252 100

253 210.4 17.6 26.4#

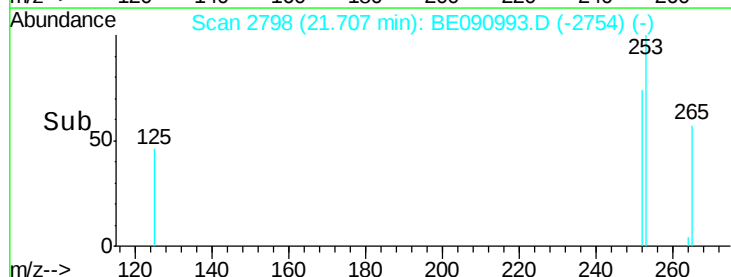
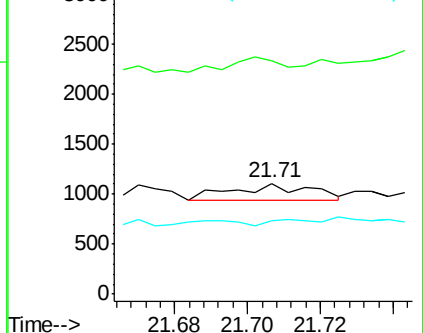
125 66.6 9.9 14.9#

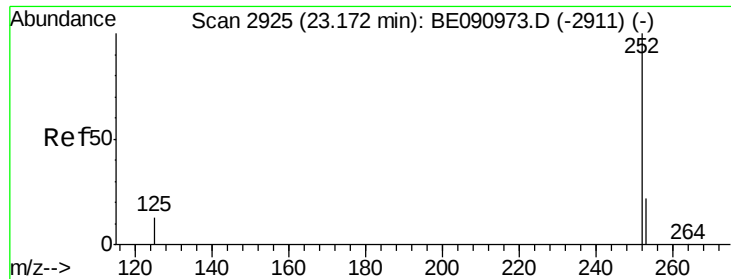


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 0.33 ng

RT: 22.15 min Scan# 2896

Delta R.T. 0.00 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

Instrument :

BNA_E

ClientSampleId :

TW-4

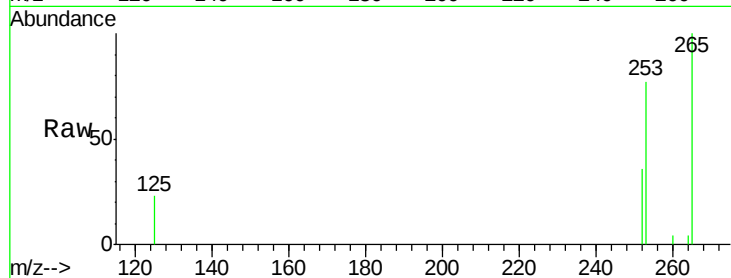
Tot Ion:252 Resp: 212

Ion Ratio Lower Upper

252 100

253 215.0 18.1 27.1#

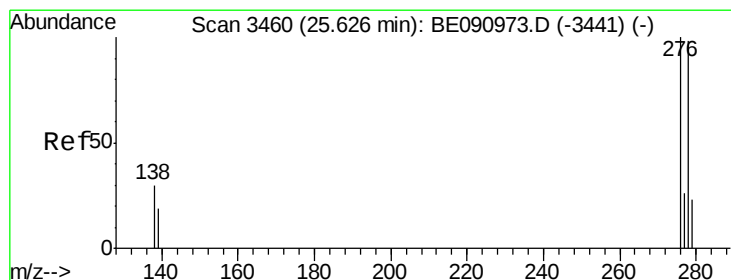
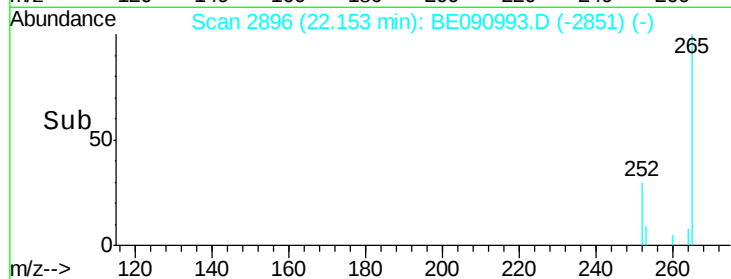
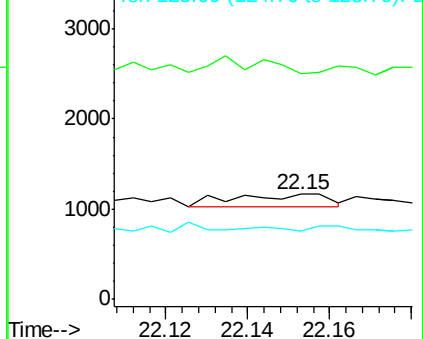
125 64.7 11.0 16.4#



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



#39

Dibenzo(a,h)anthracene

Concen: 0.04 ng

RT: 23.87 min Scan# 3270

Delta R.T. -0.00 min

Lab File: BE090993.D

Acq: 7 Oct 2015 19:23

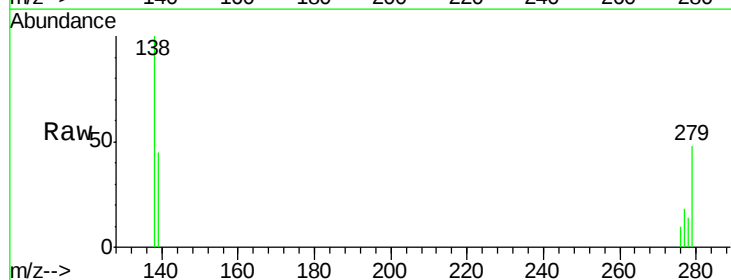
Tgt Ion:278 Resp: 24

Ion Ratio Lower Upper

278 100

139 327.2 16.0 24.0#

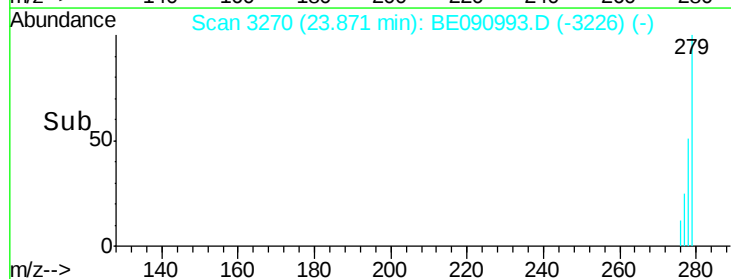
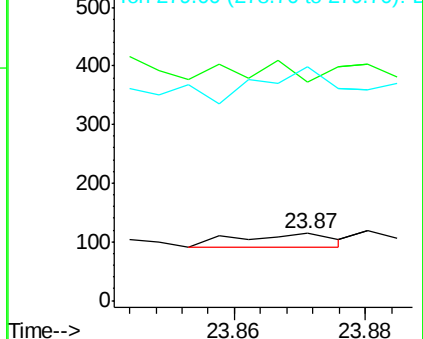
279 349.1 19.4 29.2#

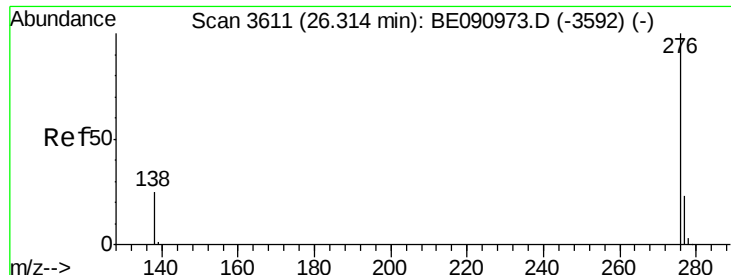


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#40

Benzo(a,h,i)perylene

Concen: 0.06 ng

RT: 24.49 min Scan# 3405

Delta R.T. -0.00 min

Lab File: BE090993.D

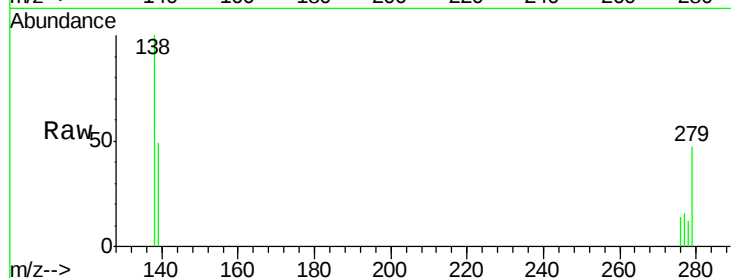
Acq: 7 Oct 2015 19:23

Instrument :

BNA_E

ClientSampleId :

TW-4



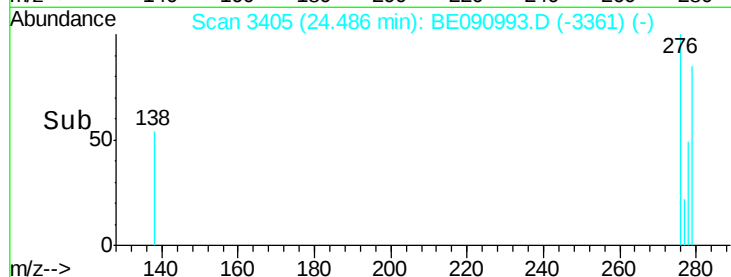
Tot Ion: 276 Resp: 42

Ion Ratio Lower Upper

276 100

277 118.3 18.6 28.0#

138 737.6 20.4 30.6#



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

