

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100715\
 Data File : BE090991.D
 Acq On : 7 Oct 2015 18:12
 Operator : UM/IZ
 Sample : G3965-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TW-2

Quant Time: Oct 08 01:47:25 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	60182	5.00	ng	0.00
7) Naphthalene-d8	9.64	136	277753	5.00	ng	0.00
13) Acenaphthene-d10	13.46	164	151172	5.00	ng	0.00
19) Phenanthrene-d10	16.19	188	357800	5.00	ng	0.00
26) Chrysene-d12	20.33	240	460905	5.00	ng	0.00
35) Perylene-d12	22.25	264	489828	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	4.99	112	38927	3.23	ng	0.00
5) Phenol-d6	6.62	99	31670	2.06	ng	0.00
8) Nitrobenzene-d5	8.23	82	68464	3.78	ng	0.00
14) 2,4,6-Tribromophenol	14.99	330	35678	6.84	ng	0.00
15) 2-Fluorobiphenyl	12.09	172	144552	3.53	ng	0.00
29) Terphenyl-d14	18.73	244	233731	4.12	ng	0.00

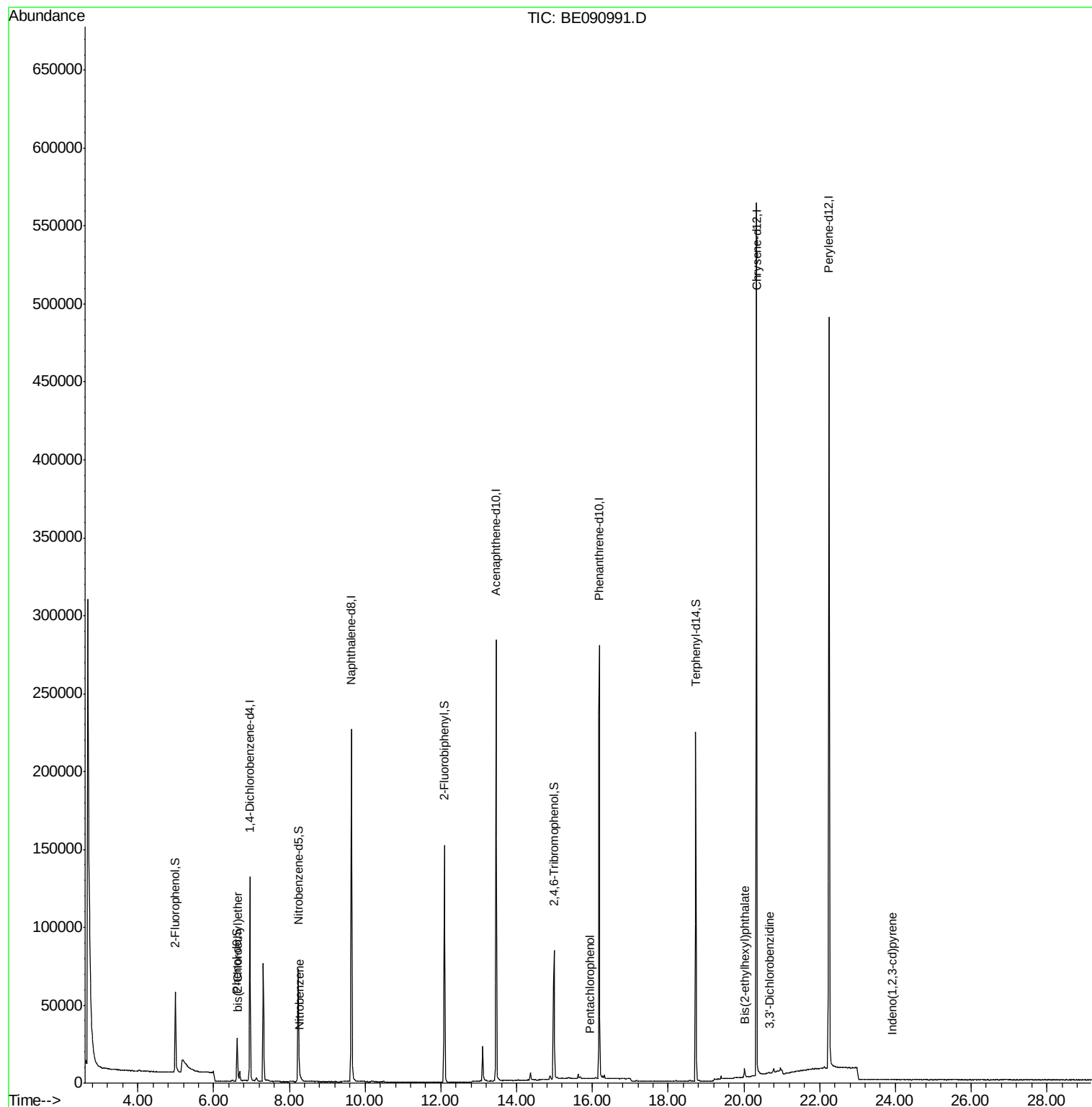
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.20	88	82	Below Cal	#	18
3) n-Nitrosodimethylamine	3.75	42	29	Below Cal	#	1
6) bis(2-Chloroethyl)ether	6.64	93	321	0.06	ng	1
9) Nitrobenzene	8.28	77	3009	0.42	ng	58
10) Naphthalene	9.68	128	1598	Below Cal	#	84
11) Hexachlorobutadiene	9.90	225	6	Below Cal	#	4
21) Hexachlorobenzene	15.48	284	37	Below Cal	#	1
22) Pentachlorophenol	15.93	266	130	0.03	ng	60
23) Phenanthrene	16.21	178	2561	Below Cal	#	81
25) Fluoranthene	18.20	202	605	Below Cal	#	75
27) Benzidine	18.63	184	804	Below Cal	#	79
28) Pyrene	18.58	202	351	Below Cal	#	96
31) 3,3'-Dichlorobenzidine	20.67	252	146	0.03	ng	26
32) Chrysene	20.33	228	1643	Below Cal	#	76
33) Bis(2-ethylhexyl)phthalate	20.02	149	7115	0.26	ng	90
34) Indeno(1,2,3-cd)pyrene	23.92	276	209	0.11	ng	67
37) Benzo(k)fluoranthene	21.71	252	49	Below Cal	#	1

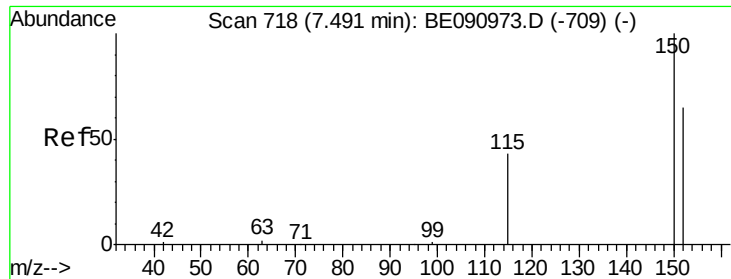
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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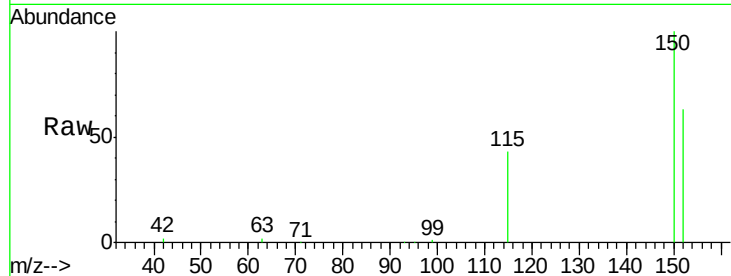


#1

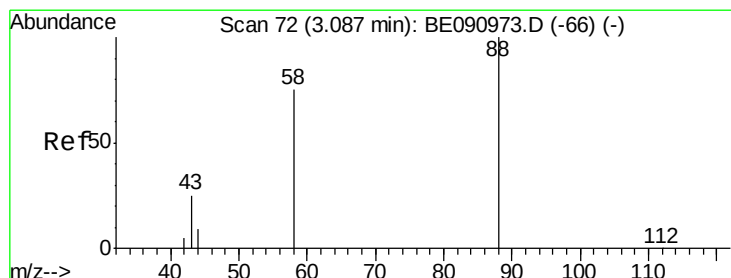
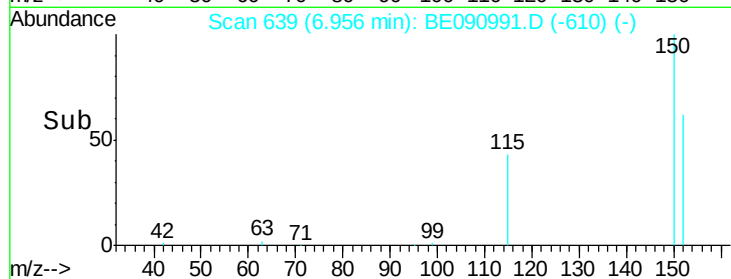
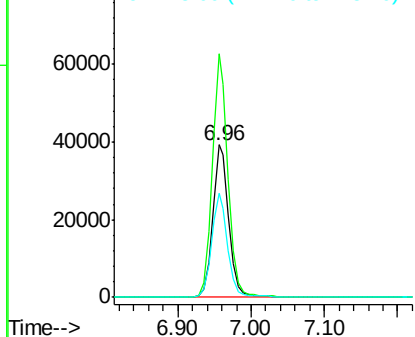
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.96 min Scan# 639
Delta R.T. -0.00 min
Lab File: BE090991.D
Acq: 7 Oct 2015 18:12

Instrument :
BNA_E
ClientSampleId :
TW-2

Tot Ion:152 Resp: 60182
Ion Ratio Lower Upper
152 100
150 159.9 122.6 183.8
115 68.7 52.8 79.2



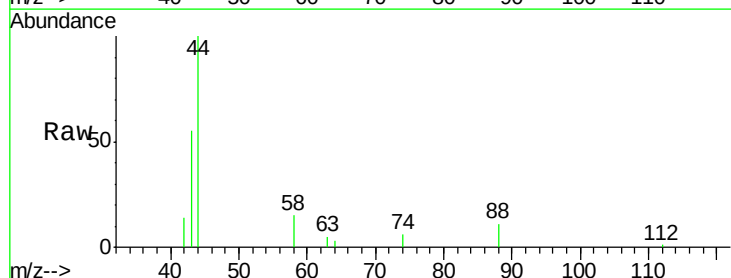
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



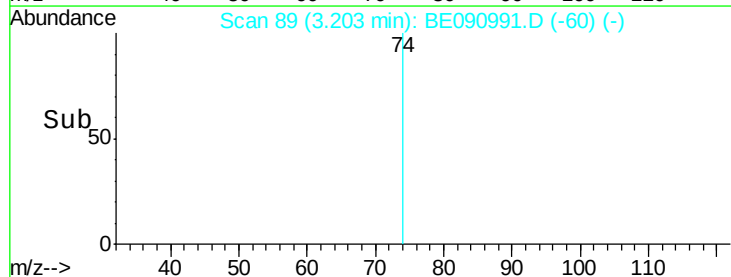
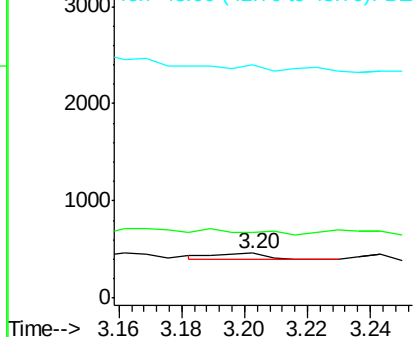
#2

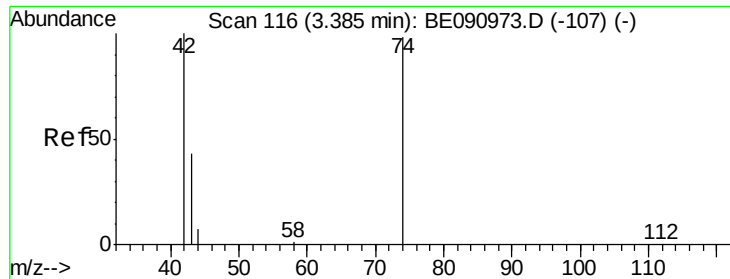
1,4-Dioxane
Concen: Below Cal
RT: 3.20 min Scan# 89
Delta R.T. -0.00 min
Lab File: BE090991.D
Acq: 7 Oct 2015 18:12

Tgt Ion: 88 Resp: 82
Ion Ratio Lower Upper
88 100
58 0.0 65.8 98.6#
43 0.0 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



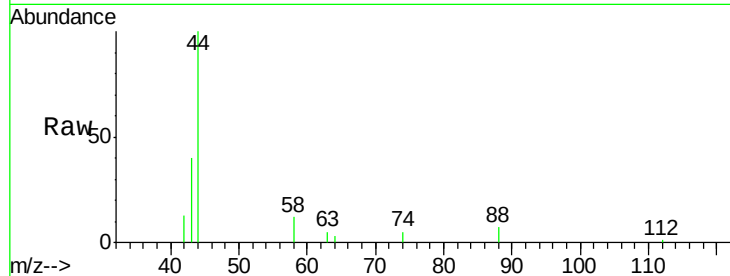


#3

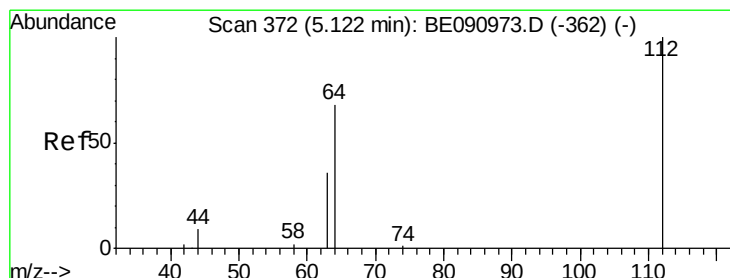
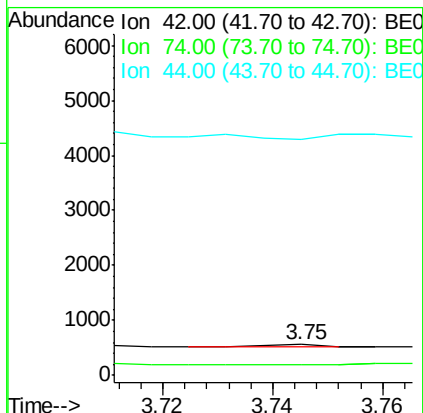
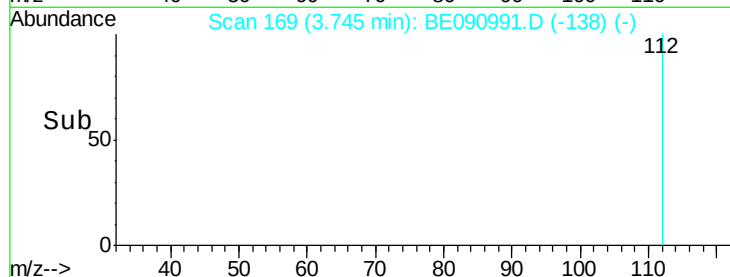
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.75 min Scan# 169
 Delta R.T. 0.01 min
 Lab File: BE090991.D
 Acq: 7 Oct 2015 18:12

Instrument :
 BNA_E
 ClientSampleId :
 TW-2

Tot Ion: 42 Resp: 29
 Ion Ratio Lower Upper
 42 100
 74 0.0 87.9 131.9#
 44 482.8 6.6 9.8#



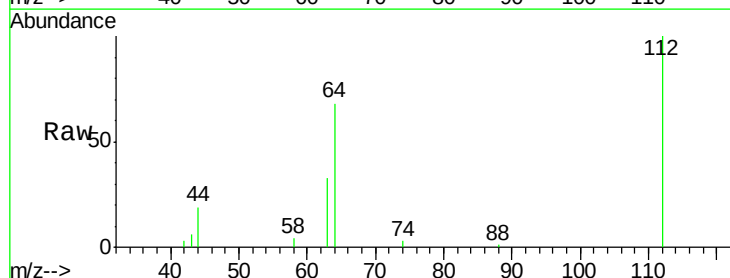
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



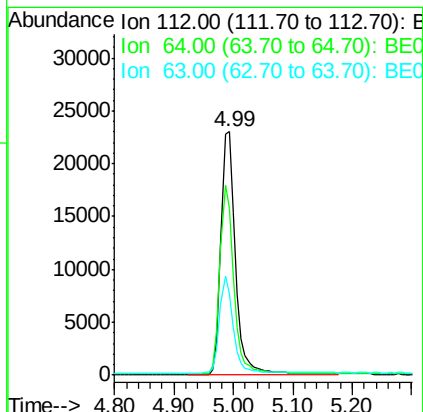
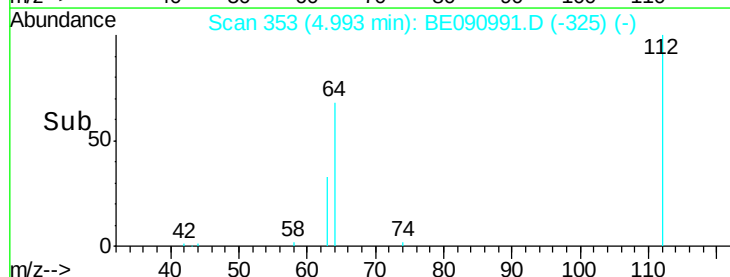
#4

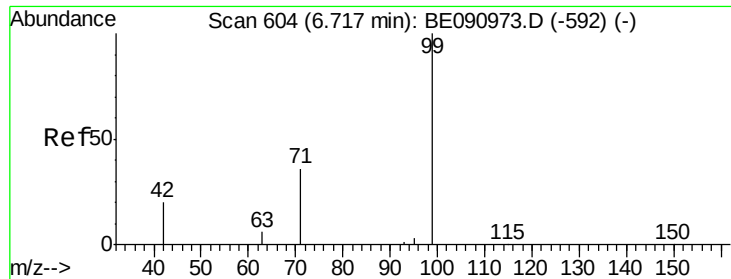
2-Fluorophenol
 Concen: 3.23 ng
 RT: 4.99 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: BE090991.D
 Acq: 7 Oct 2015 18:12

Tgt Ion: 112 Resp: 38927
 Ion Ratio Lower Upper
 112 100
 64 73.6 30.9 46.3#
 63 37.6 16.7 25.1#



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





#5

Phenol-d6

Concen: 2.06 ng

RT: 6.62 min Scan# 589

Delta R.T. -0.01 min

Lab File: BE090991.D

Acq: 7 Oct 2015 18:12

Instrument :

BNA_E

ClientSampleId :

TW-2

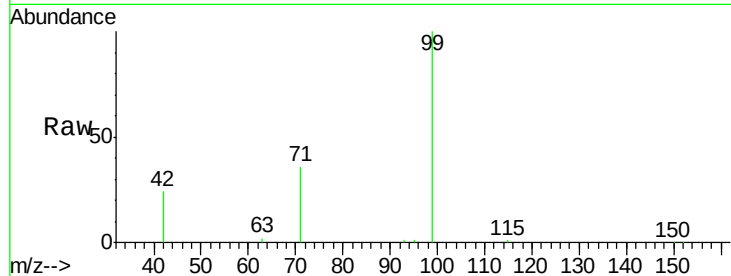
Tot Ion: 99 Resp: 31670

Ion Ratio Lower Upper

99 100

42 21.0 16.2 24.2

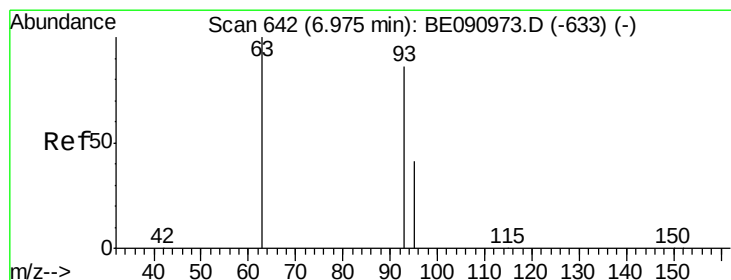
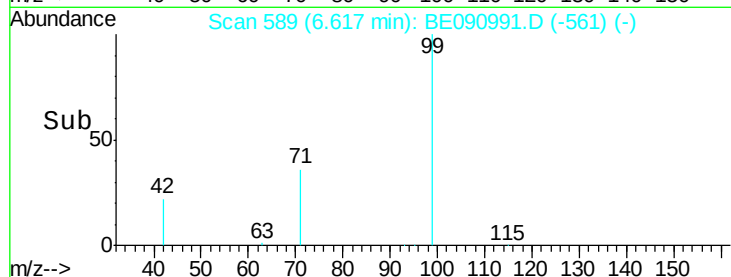
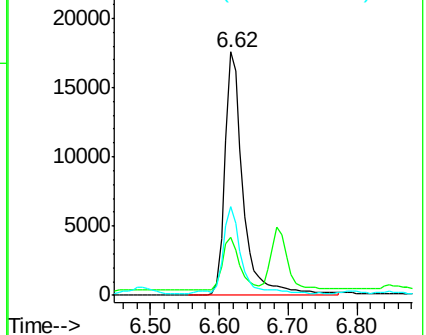
71 36.6 29.0 43.4



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: 0.06 ng

RT: 6.64 min Scan# 592

Delta R.T. -0.02 min

Lab File: BE090991.D

Acq: 7 Oct 2015 18:12

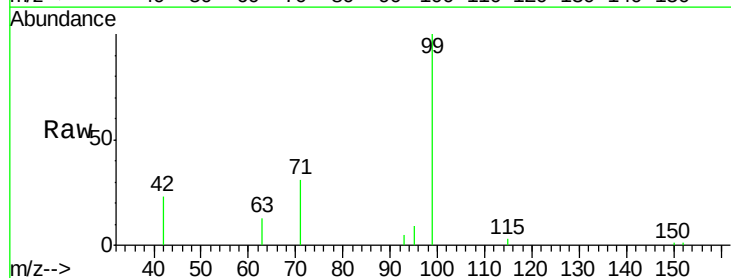
Tgt Ion: 93 Resp: 321

Ion Ratio Lower Upper

93 100

63 327.1 49.5 74.3#

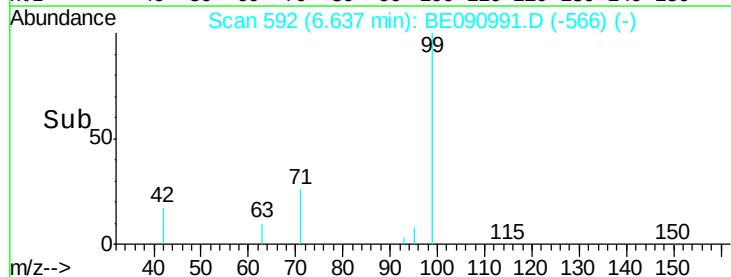
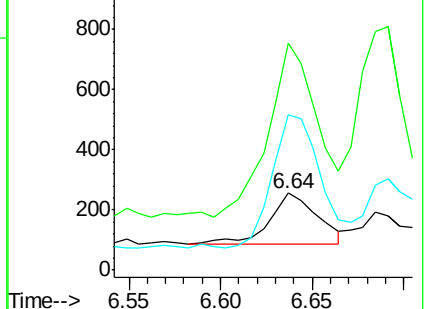
95 256.7 22.2 33.4#

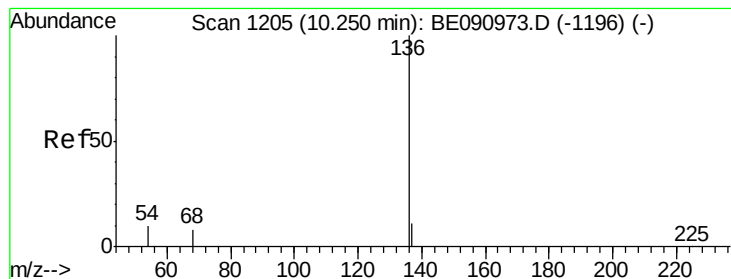


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE090991.D

Acq: 7 Oct 2015 18:12

Instrument :

BNA_E

ClientSampleId :

TW-2

Tot Ion:136 Resp: 277753

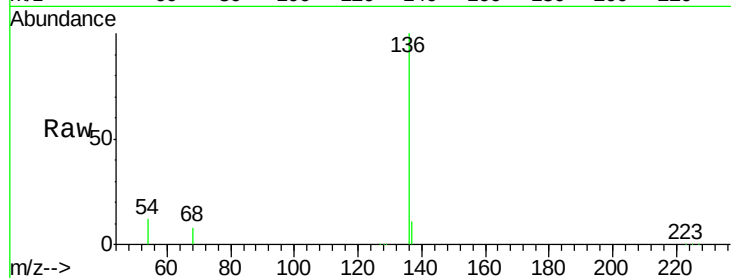
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 11.6 8.2 12.4

68 8.4 6.2 9.4

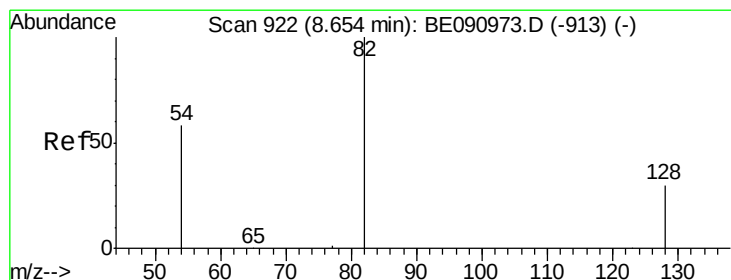
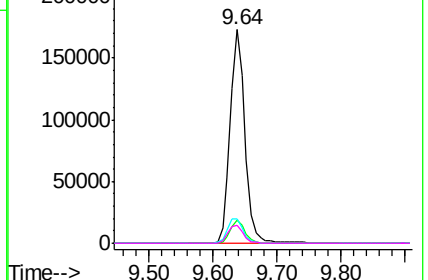
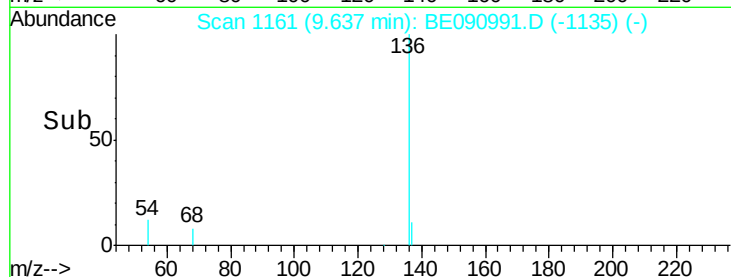


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.78 ng

RT: 8.23 min Scan# 876

Delta R.T. -0.01 min

Lab File: BE090991.D

Acq: 7 Oct 2015 18:12

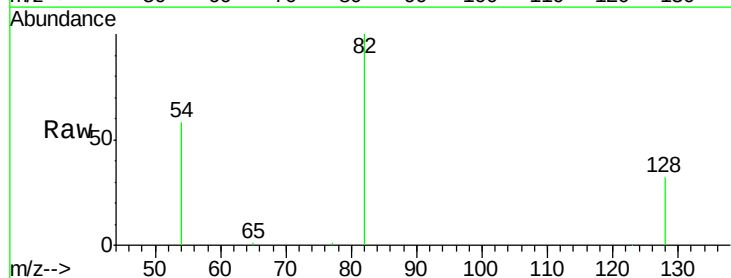
Tgt Ion: 82 Resp: 68464

Ion Ratio Lower Upper

82 100

128 31.8 25.4 38.0

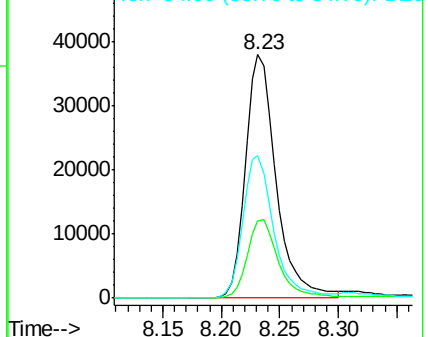
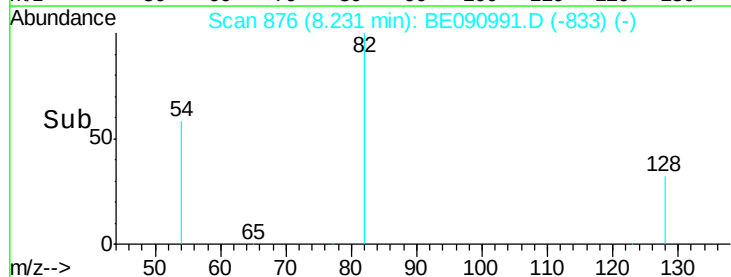
54 58.5 48.4 72.6

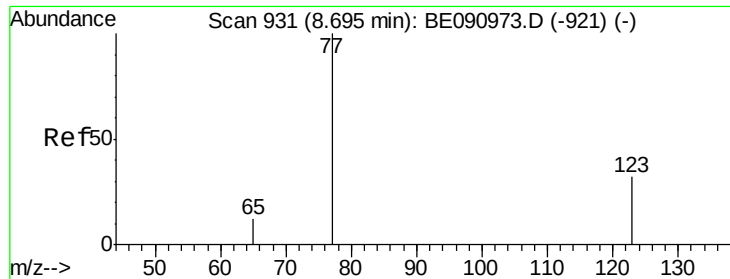


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.42 ng

RT: 8.28 min Scan# 887

Delta R.T. 0.01 min

Lab File: BE090991.D

Acq: 7 Oct 2015 18:12

Instrument :

BNA_E

ClientSampleId :

TW-2

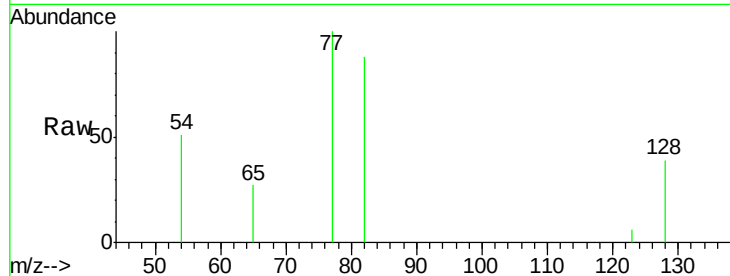
Tot Ion: 77 Resp: 3009

Ion Ratio Lower Upper

77 100

123 2.5 26.9 40.3#

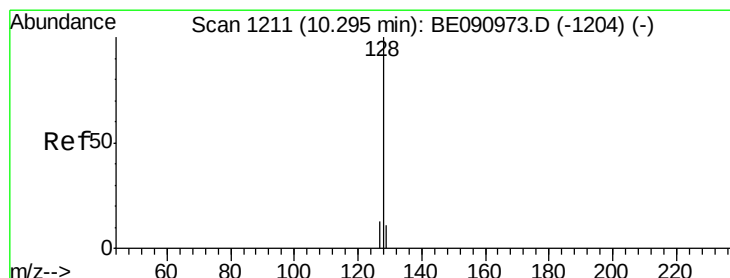
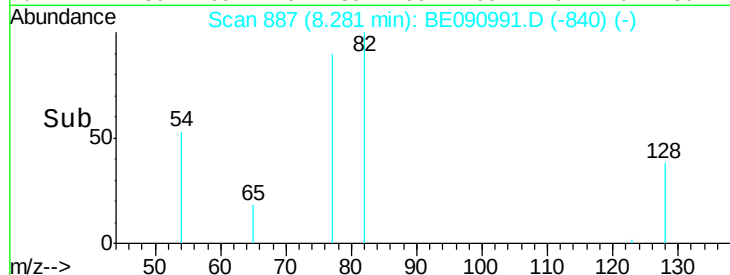
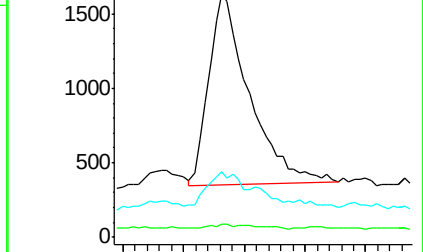
65 14.9 9.4 14.2#



Abundance Ion 77.00 (76.70 to 77.70): BE090991.D (-840) (-)

Ion 123.00 (122.70 to 123.70): BE090991.D (-840) (-)

Ion 65.00 (64.70 to 65.70): BE090991.D (-840) (-)



#10

Naphthalene

Concen: Below Cal

RT: 9.68 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BE090991.D

Acq: 7 Oct 2015 18:12

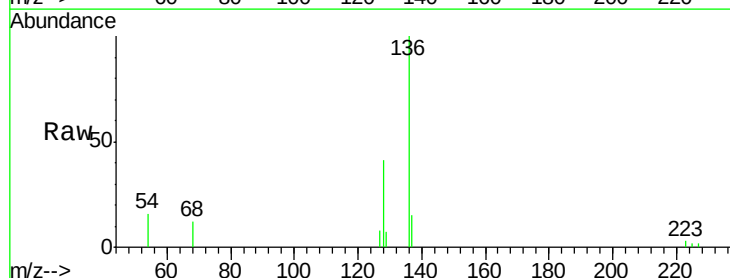
Tgt Ion: 128 Resp: 1598

Ion Ratio Lower Upper

128 100

129 18.0 9.3 13.9#

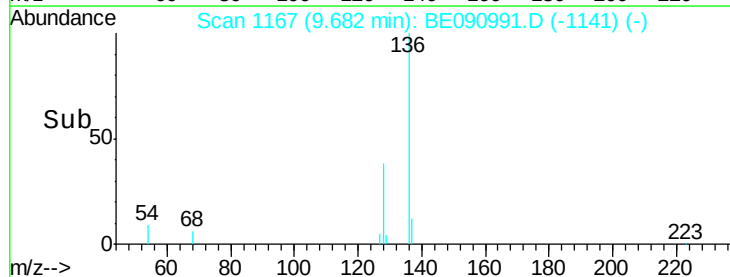
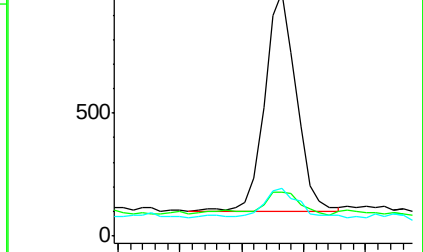
127 19.7 10.7 16.1#

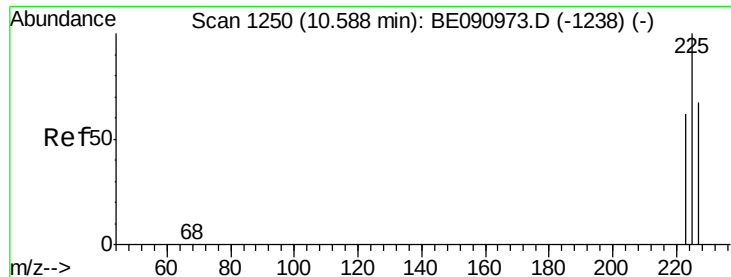


Abundance Ion 128.00 (127.70 to 128.70): BE090991.D (-1141) (-)

Ion 129.00 (128.70 to 129.70): BE090991.D (-1141) (-)

Ion 127.00 (126.70 to 127.70): BE090991.D (-1141) (-)

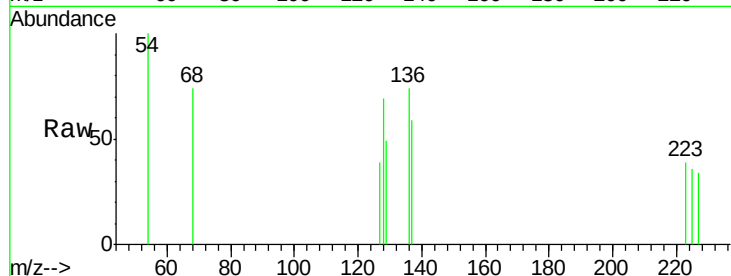




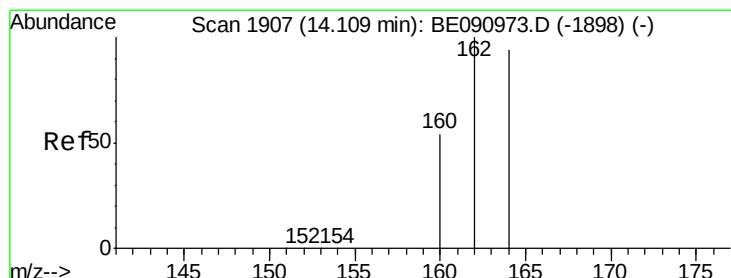
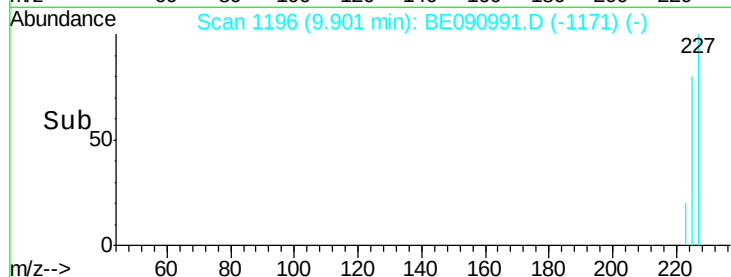
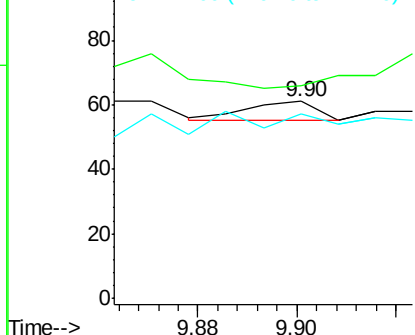
#11
Hexachlorobutadiene
Concen: Below Cal
RT: 9.90 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BE090991.D
Acq: 7 Oct 2015 18:12

Instrument :
BNA_E
ClientSampleId :
TW-2

Tot Ion:225 Resp: 6
Ion Ratio Lower Upper
225 100
223 0.0 49.0 73.6#
227 150.0 50.3 75.5#

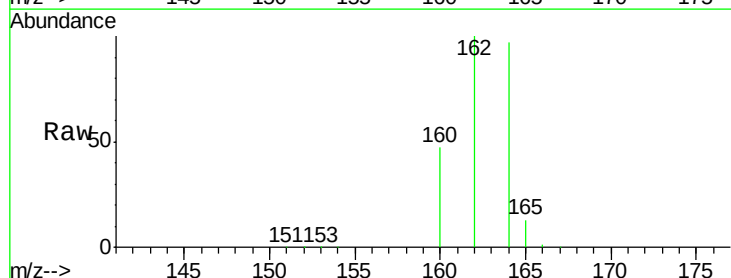


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

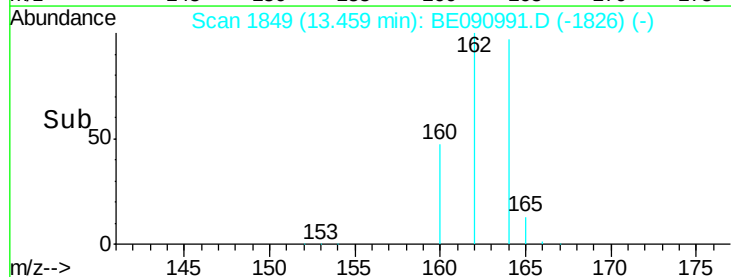
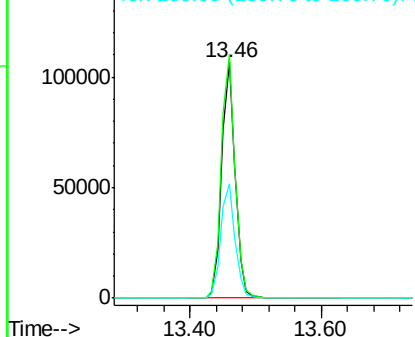


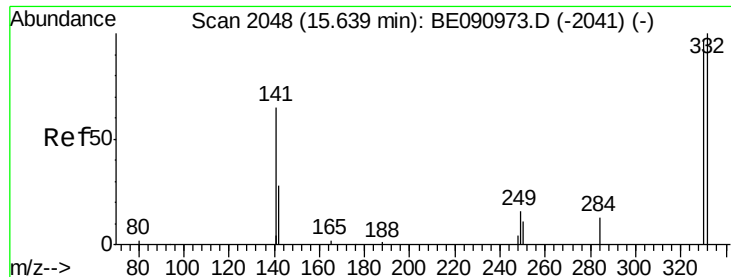
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 13.46 min Scan# 1849
Delta R.T. 0.00 min
Lab File: BE090991.D
Acq: 7 Oct 2015 18:12

Tgt Ion:164 Resp: 151172
Ion Ratio Lower Upper
164 100
162 103.3 85.3 127.9
160 48.6 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

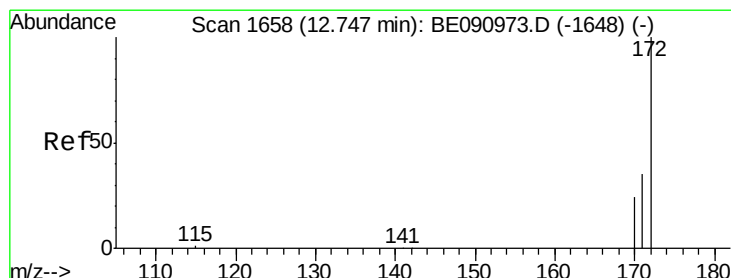
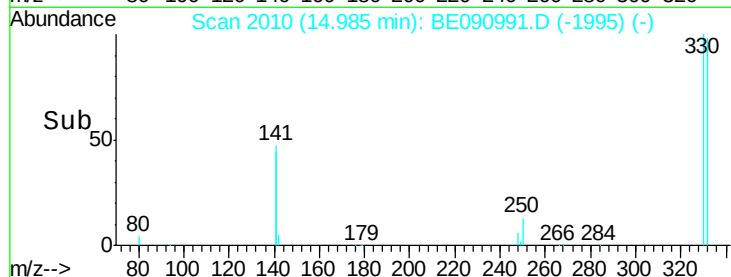
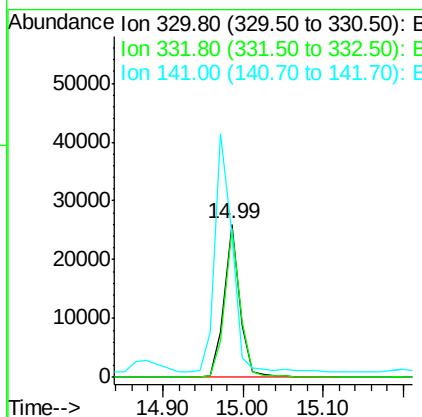
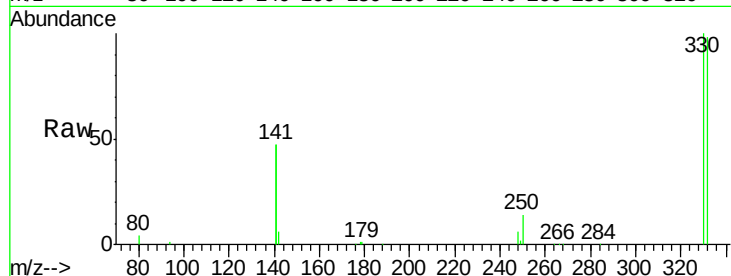




#14
 2,4,6-Tribromophenol
 Concen: 6.84 ng
 RT: 14.99 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: BE090991.D
 Acq: 7 Oct 2015 18:12

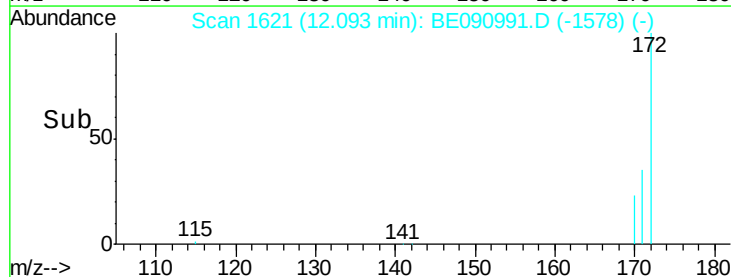
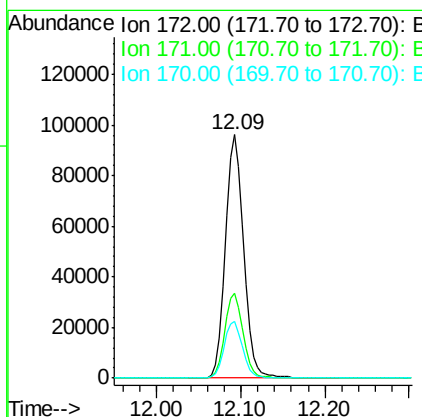
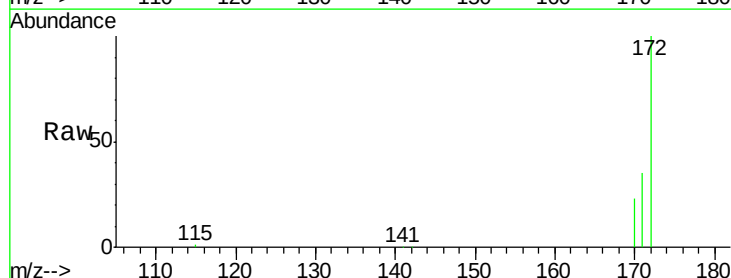
Instrument :
 BNA_E
 ClientSampled :
 TW-2

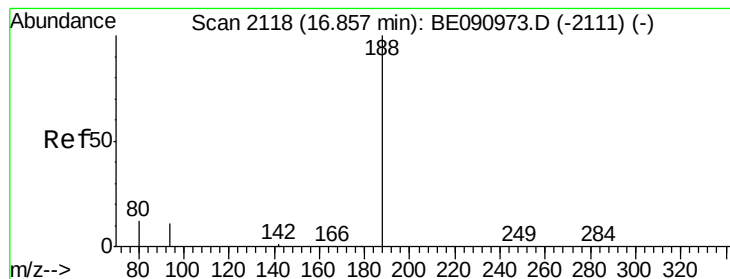
Tot Ion:330 Resp: 35678
 Ion Ratio Lower Upper
 330 100
 332 96.9 79.1 118.7
 141 170.3 125.4 188.0



#15
 2-Fluorobiphenyl
 Concen: 3.53 ng
 RT: 12.09 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: BE090991.D
 Acq: 7 Oct 2015 18:12

Tgt Ion:172 Resp: 144552
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.8 43.2
 170 23.2 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: BE090991.D

Acq: 7 Oct 2015 18:12

Instrument :

BNA_E

ClientSampleId :

TW-2

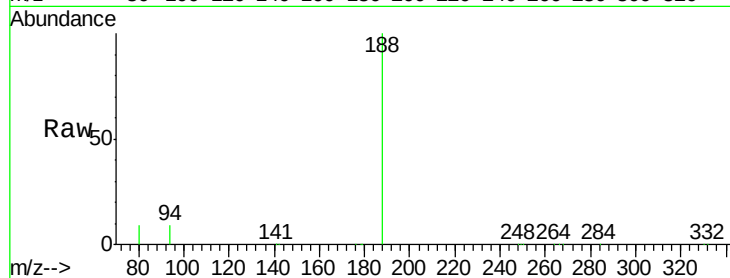
Tot Ion:188 Resp: 357800

Ion Ratio Lower Upper

188 100

94 8.8 8.7 13.1

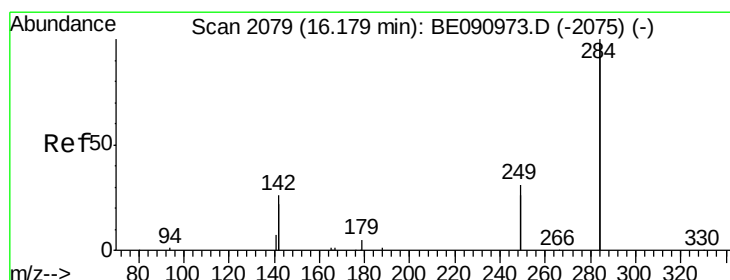
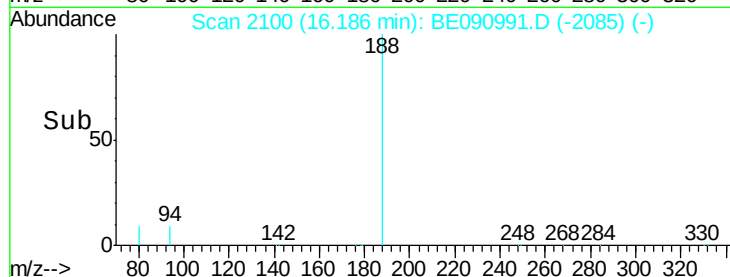
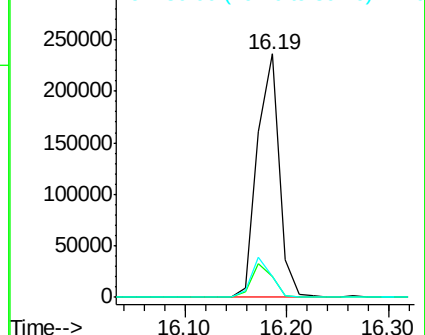
80 8.8 9.4 14.0#



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: 15.48 min Scan# 2047

Delta R.T. 0.03 min

Lab File: BE090991.D

Acq: 7 Oct 2015 18:12

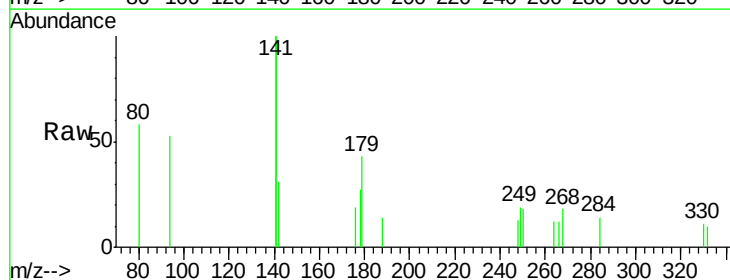
Tgt Ion:284 Resp: 37

Ion Ratio Lower Upper

284 100

142 137.8 32.2 48.2#

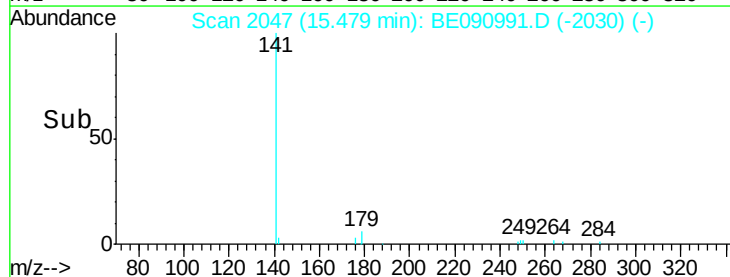
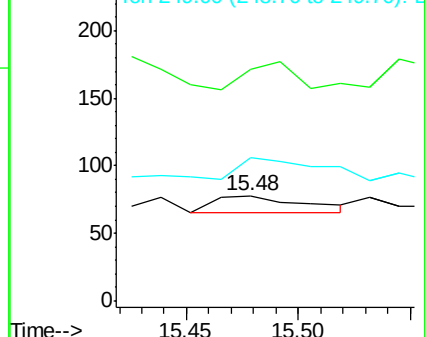
249 127.0 25.4 38.2#

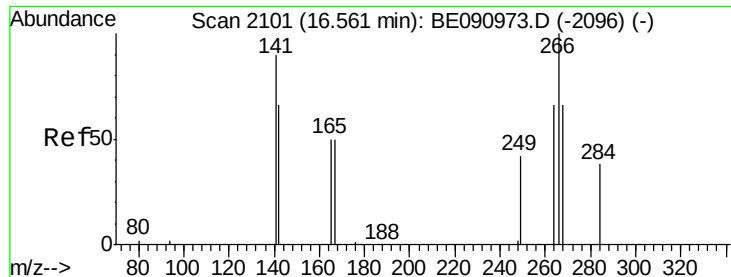


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#22

Pentachlorophenol

Concen: 0.03 na

RT: 15.93 min Scan# 2081

Delta R.T. 0.00 min

Lab File: BE090991.D

Acq: 7 Oct 2015 18:12

Instrument :

BNA_E

ClientSampleId :

TW-2

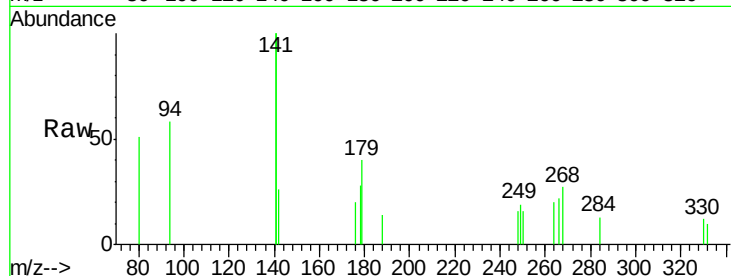
Tot Ion:266 Resp: 130

Ion Ratio Lower Upper

266 100

268 118.2 58.2 87.2#

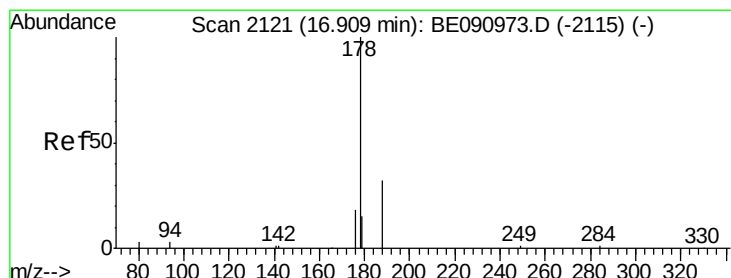
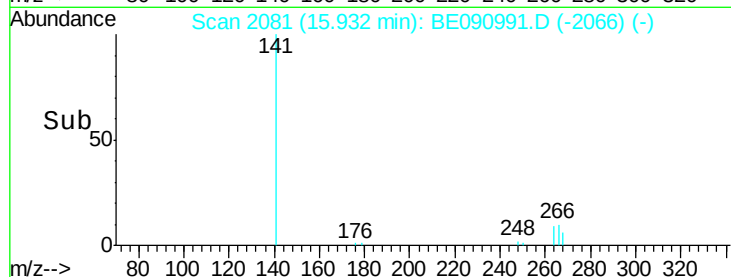
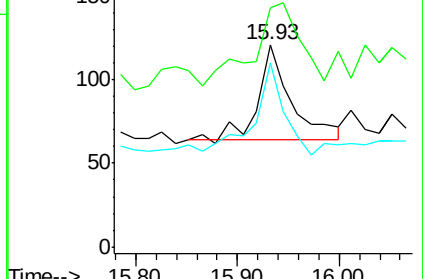
264 90.9 56.2 84.4#



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: Below Cal

RT: 16.21 min Scan# 2102

Delta R.T. -0.01 min

Lab File: BE090991.D

Acq: 7 Oct 2015 18:12

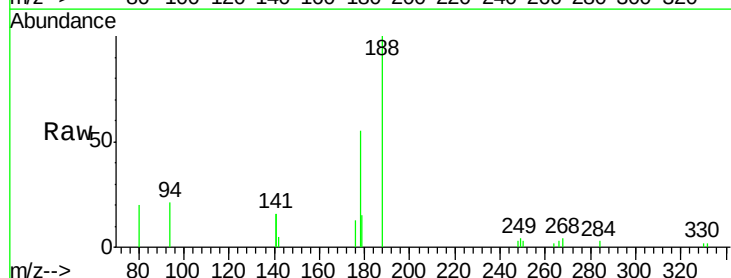
Tgt Ion:178 Resp: 2561

Ion Ratio Lower Upper

178 100

176 21.2 15.3 22.9

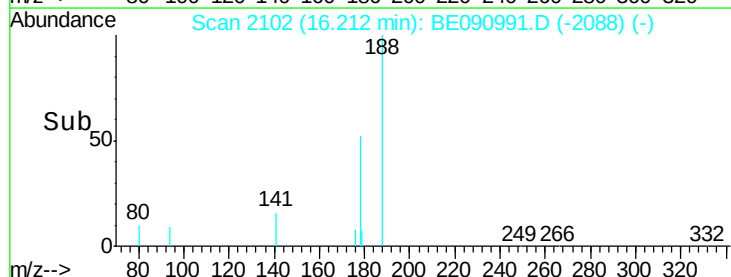
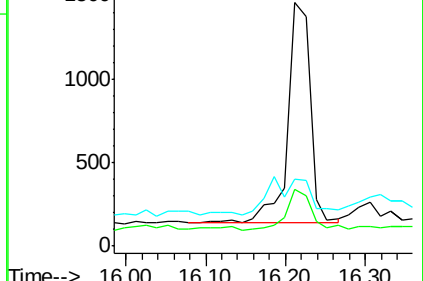
179 0.0 12.6 18.8#

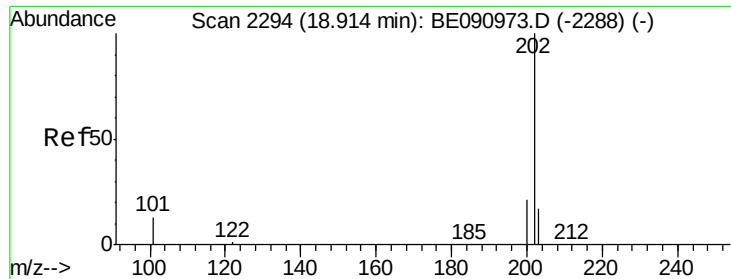


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: Below Cal

RT: 18.20 min Scan# 2317

Delta R.T. -0.00 min

Lab File: BE090991.D

Acq: 7 Oct 2015 18:12

Instrument :

BNA_E

ClientSampleId :

TW-2

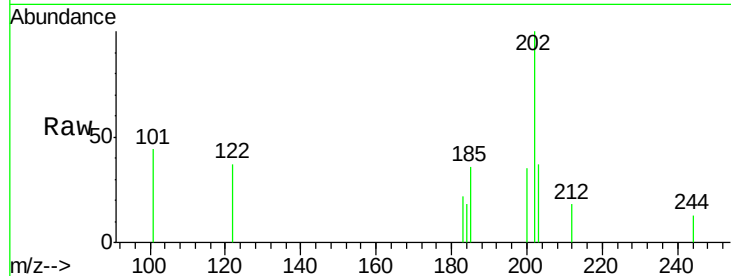
Tot Ion:202 Resp: 605

Ion Ratio Lower Upper

202 100

101 29.8 11.0 16.6#

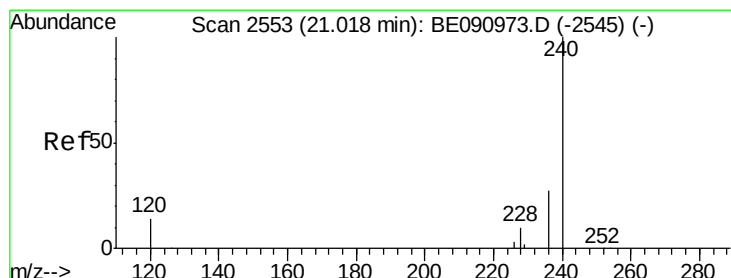
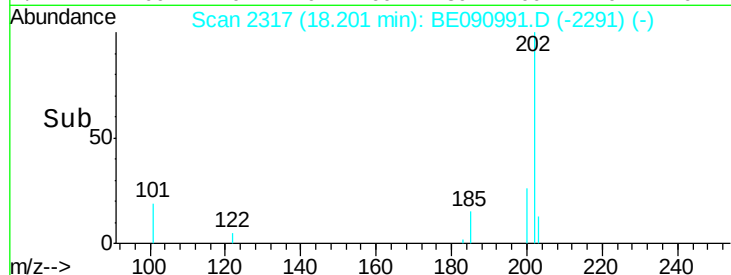
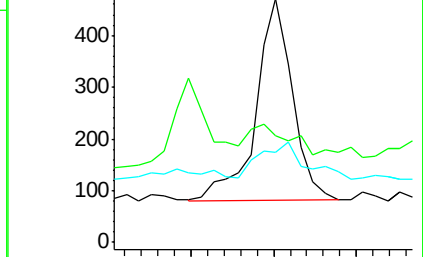
203 23.1 13.9 20.9#



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: 20.33 min Scan# 2572

Delta R.T. -0.00 min

Lab File: BE090991.D

Acq: 7 Oct 2015 18:12

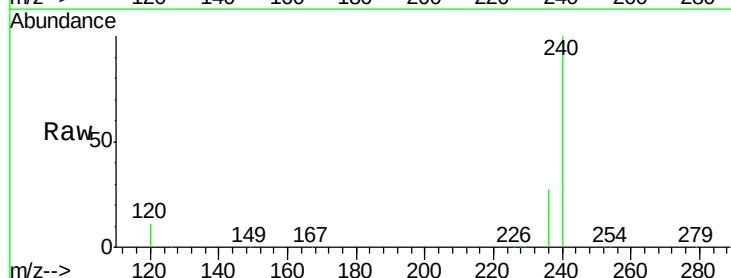
Tgt Ion:240 Resp: 460905

Ion Ratio Lower Upper

240 100

120 10.9 11.0 16.4#

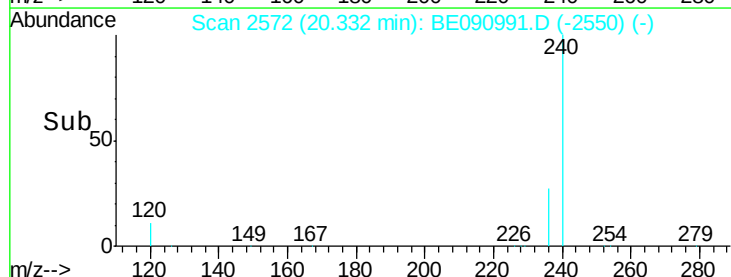
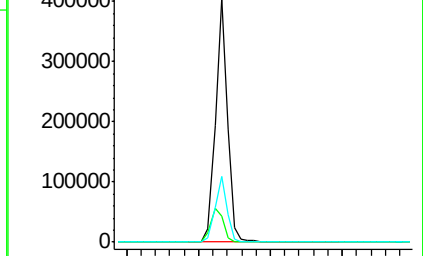
236 27.0 21.7 32.5

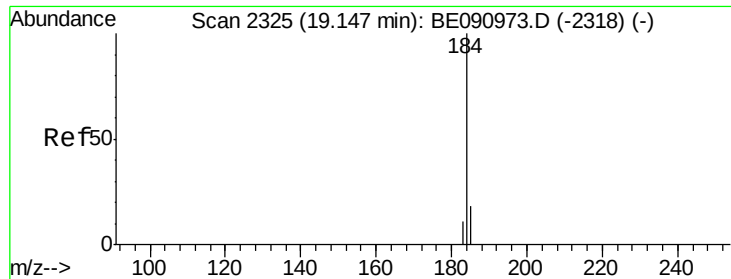


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

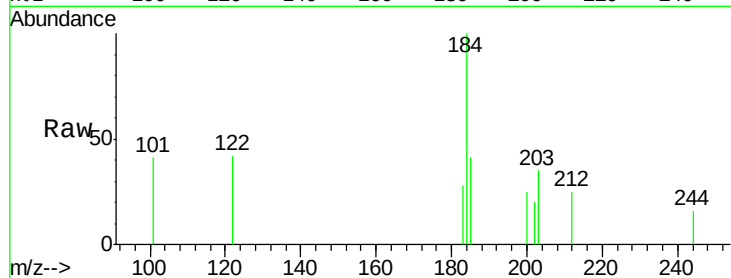




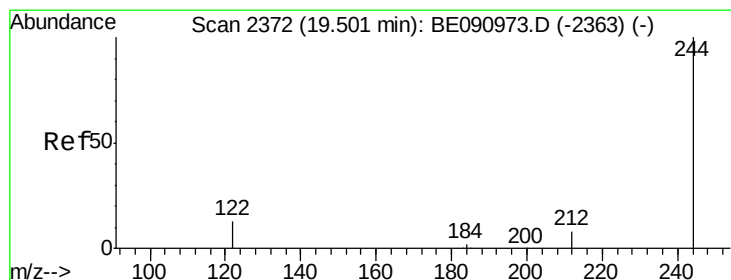
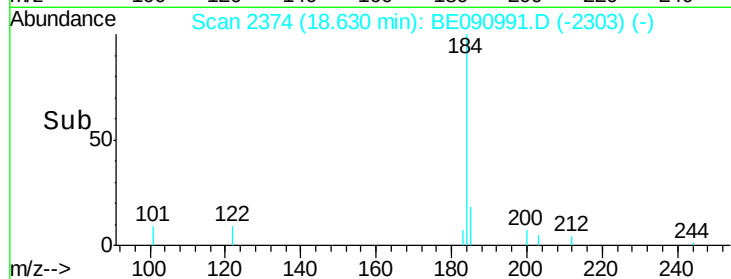
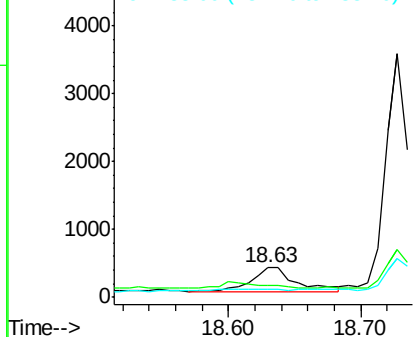
#27
Benzidine
Concen: Below Cal
RT: 18.63 min Scan# 2374
Delta R.T. 0.04 min
Lab File: BE090991.D
Acq: 7 Oct 2015 18:12

Instrument :
BNA_E
ClientSampleId :
TW-2

Tot Ion:184 Resp: 804
Ion Ratio Lower Upper
184 100
185 41.1 22.3 33.5#
183 27.9 16.4 24.6#

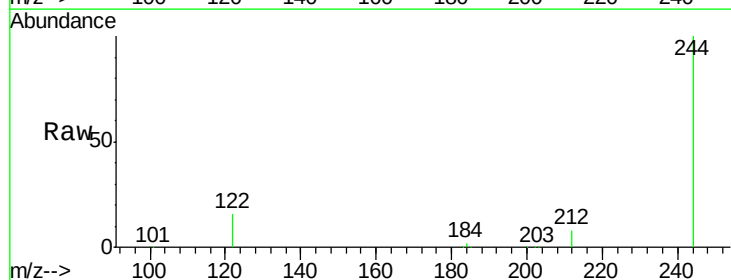


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

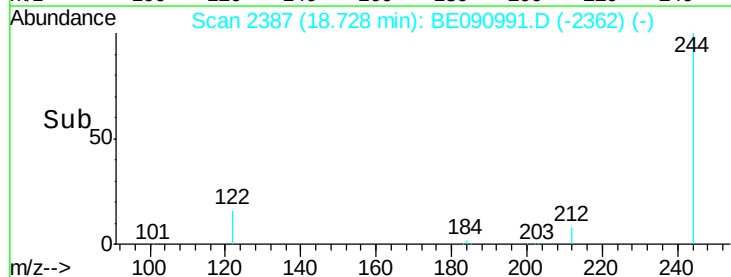
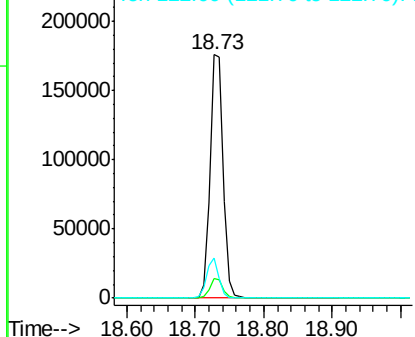


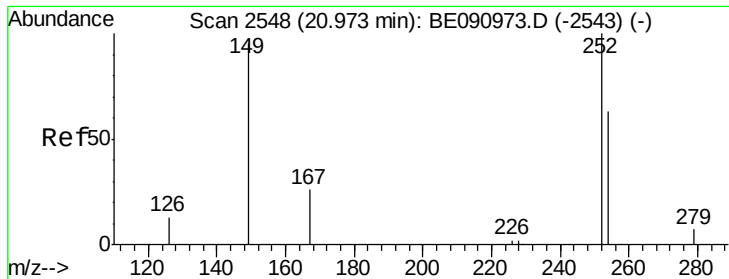
#29
Terphenyl-d14
Concen: 4.12 ng
RT: 18.73 min Scan# 2387
Delta R.T. -0.01 min
Lab File: BE090991.D
Acq: 7 Oct 2015 18:12

Tgt Ion:244 Resp: 233731
Ion Ratio Lower Upper
244 100
212 8.2 6.9 10.3
122 16.3 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

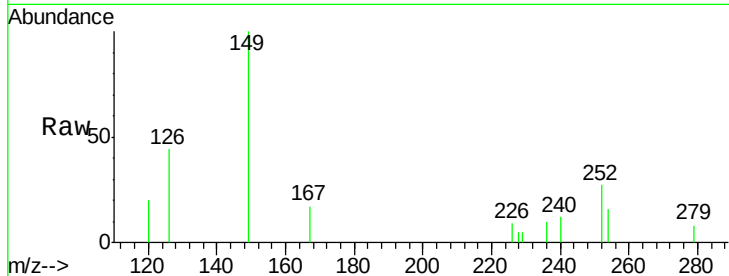




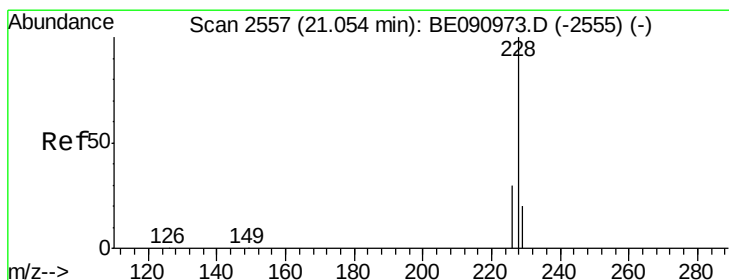
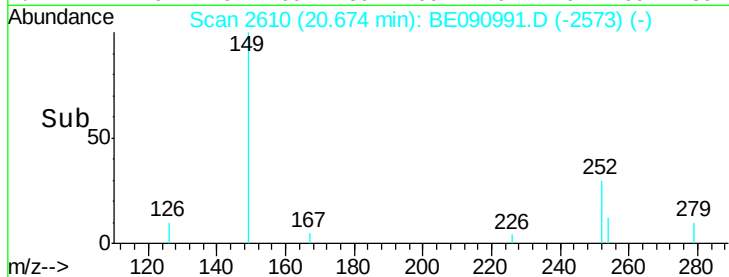
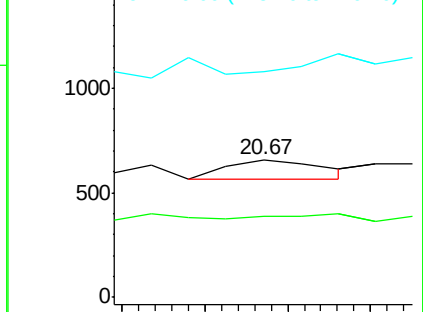
#31
 3,3'-Dichlorobenzidine
 Concen: 0.03 ng
 RT: 20.67 min Scan# 2610
 Delta R.T. -0.16 min
 Lab File: BE090991.D
 Acq: 7 Oct 2015 18:12

Instrument :
 BNA_E
 ClientSampleId :
 TW-2

Tot Ion:252 Resp: 146
 Ion Ratio Lower Upper
 252 100
 254 59.1 51.1 76.7
 126 164.1 12.6 18.8#

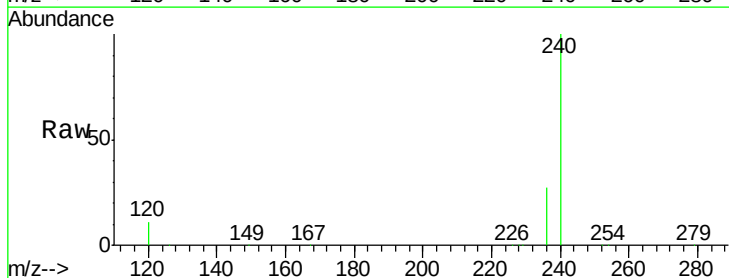


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

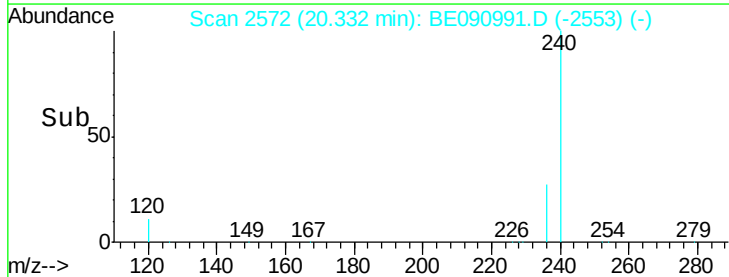
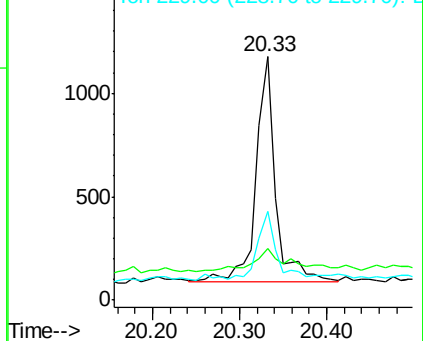


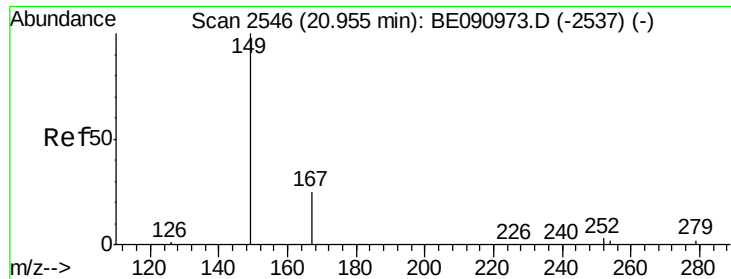
#32
 Chrysene
 Concen: Below Cal
 RT: 20.33 min Scan# 2572
 Delta R.T. -0.03 min
 Lab File: BE090991.D
 Acq: 7 Oct 2015 18:12

Tgt Ion:228 Resp: 1643
 Ion Ratio Lower Upper
 228 100
 226 21.3 24.0 36.0#
 229 36.3 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

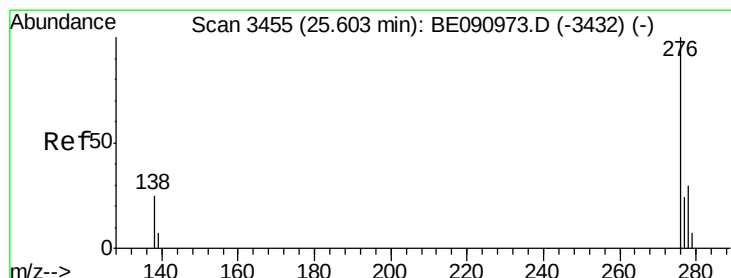
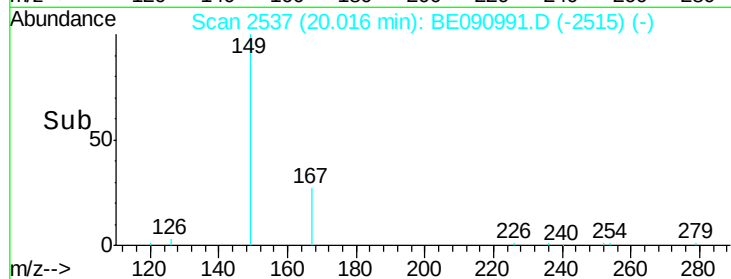
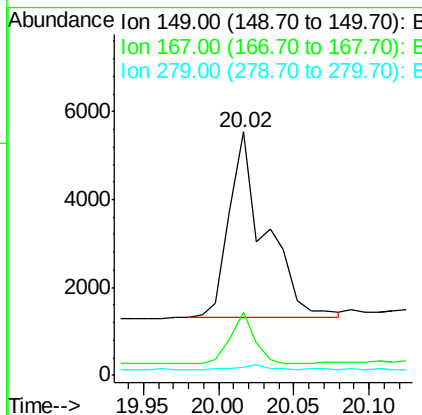
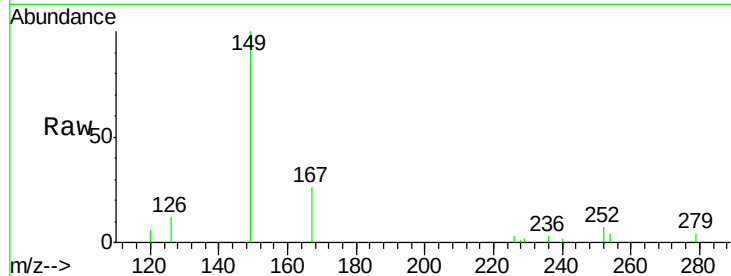




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.26 ng
 RT: 20.02 min Scan# 2537
 Delta R.T. -0.00 min
 Lab File: BE090991.D
 Acq: 7 Oct 2015 18:12

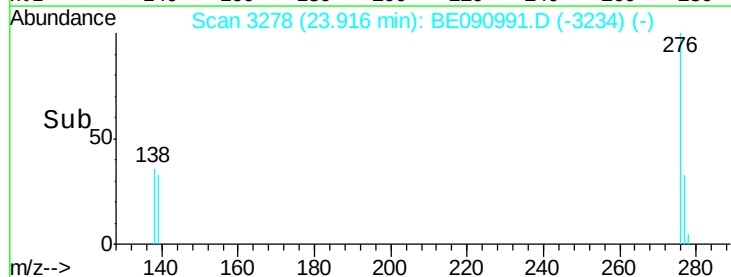
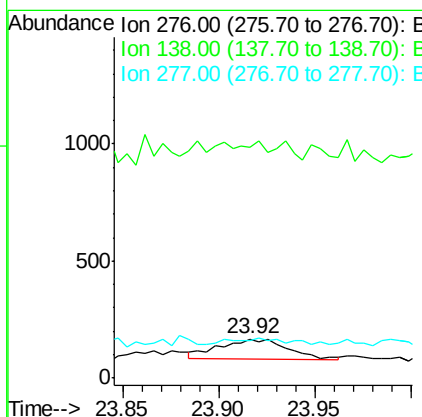
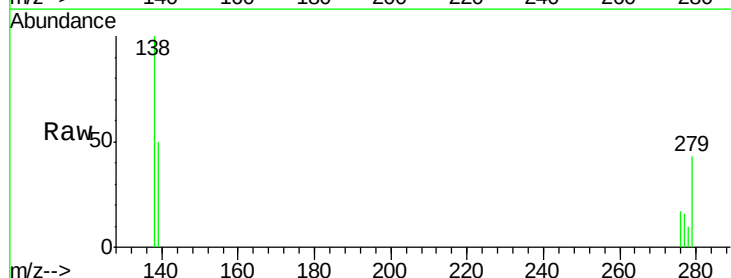
Instrument :
 BNA_E
 ClientSampleId :
 TW-2

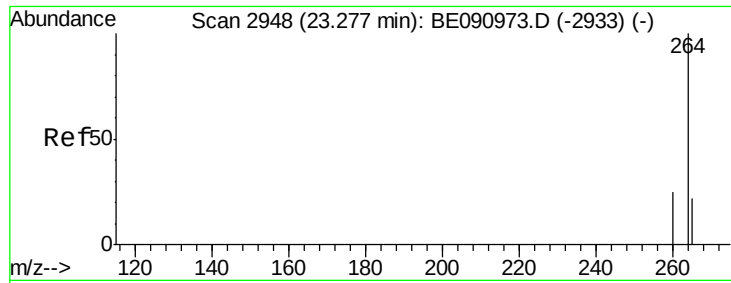
Tot Ion:149 Resp: 7115
 Ion Ratio Lower Upper
 149 100
 167 18.8 19.5 29.3#
 279 2.5 2.3 3.5



#34
 Indeno(1,2,3-cd)pyrene
 Concen: 0.11 ng
 RT: 23.92 min Scan# 3278
 Delta R.T. -0.00 min
 Lab File: BE090991.D
 Acq: 7 Oct 2015 18:12

Tgt Ion:276 Resp: 209
 Ion Ratio Lower Upper
 276 100
 138 0.0 23.4 35.2#
 277 20.6 19.8 29.8

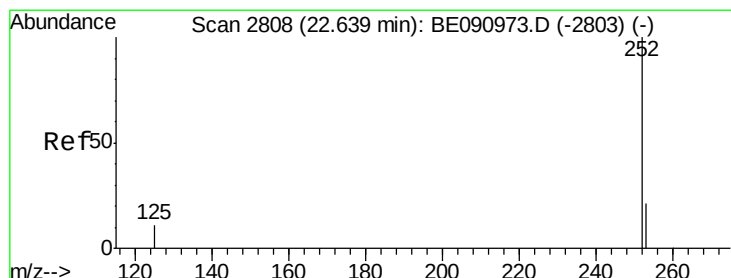
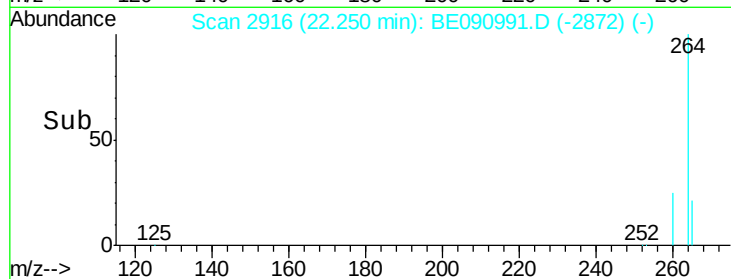
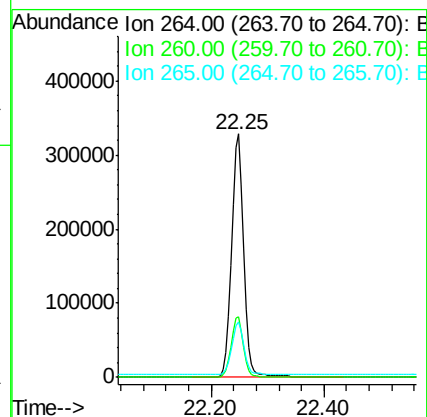
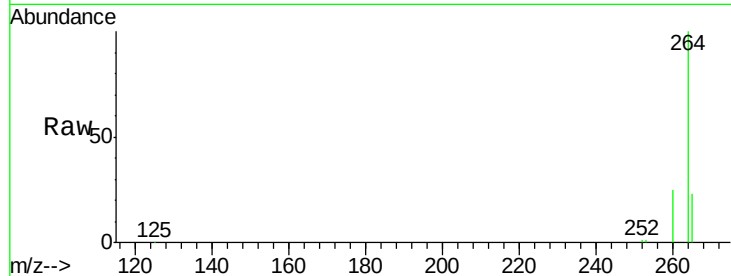




#35
Pervlene-d12
Concen: 5.00 ng
RT: 22.25 min Scan# 2916
Delta R.T. 0.00 min
Lab File: BE090991.D
Acq: 7 Oct 2015 18:12

Instrument :
BNA_E
ClientSampleId :
TW-2

Tot Ion:264 Resp: 489828
Ion Ratio Lower Upper
264 100
260 24.8 20.0 30.0
265 22.6 17.5 26.3



#37
Benzo(k)fluoranthene
Concen: Below Cal
RT: 21.71 min Scan# 2798
Delta R.T. 0.01 min
Lab File: BE090991.D
Acq: 7 Oct 2015 18:12

Tgt Ion:252 Resp: 49
Ion Ratio Lower Upper
252 100
253 220.6 17.6 26.4#
125 71.0 9.9 14.9#

