

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102315\
 Data File : BE091043.D
 Acq On : 23 Oct 2015 20:56
 Operator : UM/NP
 Sample : G4143-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 23 23:47:02 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 07 17:11:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	18816	5.00	ng	-0.05
7) Naphthalene-d8	9.58	136	99748	5.00	ng	-0.05
13) Acenaphthene-d10	13.41	164	60251	5.00	ng	-0.05
19) Phenanthrene-d10	16.13	188	147553	5.00	ng	-0.05
26) Chrysene-d12	20.29	240	171756	5.00	ng	-0.04
35) Perylene-d12	22.20	264	166868	5.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	4.93	112	17134	4.52	ng	-0.07
5) Phenol-d6	6.55	99	17081	3.55	ng	-0.07
8) Nitrobenzene-d5	8.17	82	35337	5.36	ng	-0.07
14) 2,4,6-Tribromophenol	14.93	330	23075	10.99	ng	-0.05
15) 2-Fluorobiphenyl	12.04	172	68603	4.20	ng	-0.06
29) Terphenyl-d14	18.69	244	117636	5.55	ng	-0.05

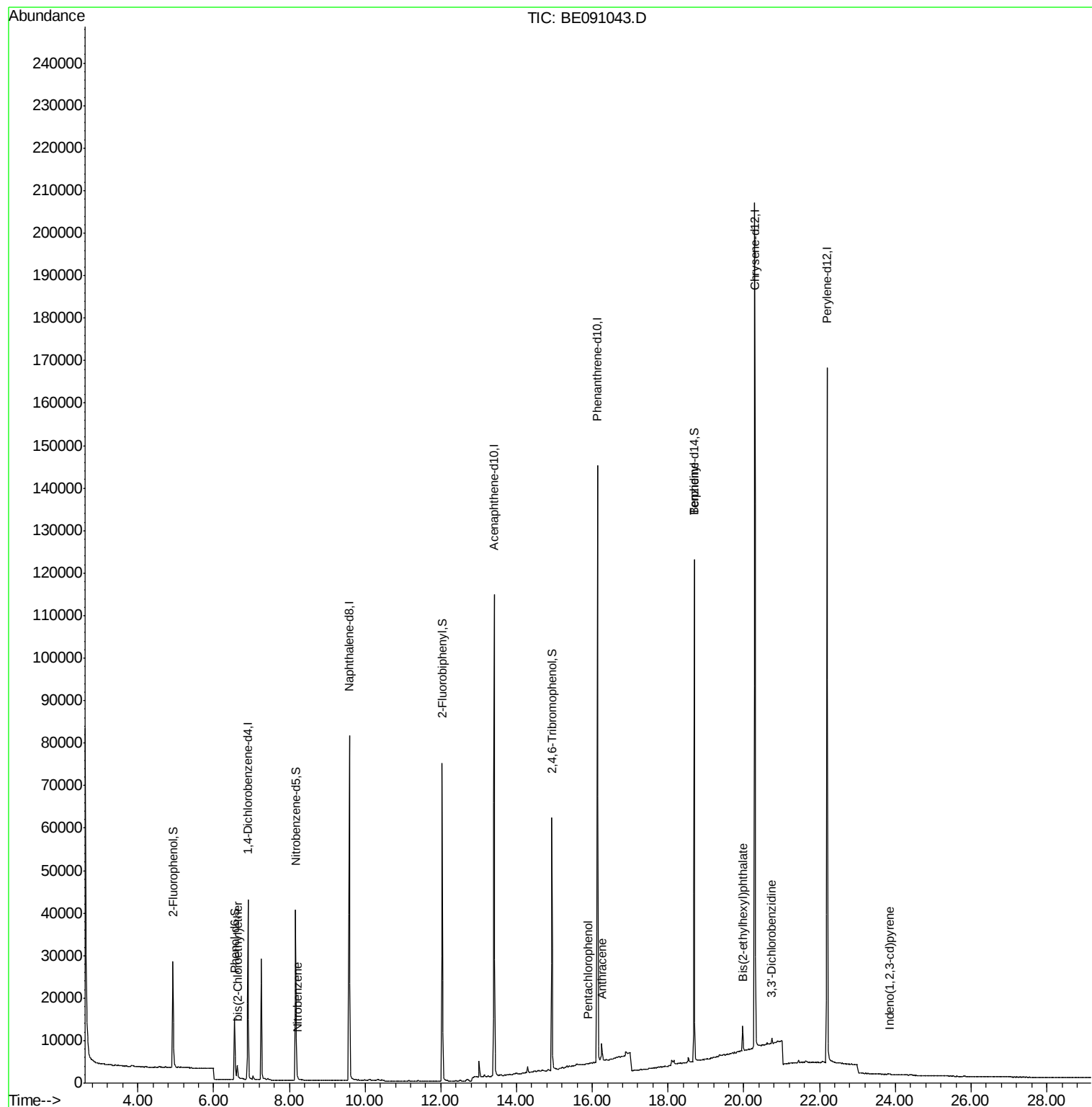
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.24	88	23	Below Cal	#	18
3) n-Nitrosodimethylamine	3.75	42	13	Below Cal	#	1
6) bis(2-Chloroethyl)ether	6.63	93	101	0.06	ng	1
9) Nitrobenzene	8.23	77	41	0.29	ng	48
10) Naphthalene	9.63	128	128	Below Cal	#	1
11) Hexachlorobutadiene	9.85	225	9	Below Cal	#	48
21) Hexachlorobenzene	15.40	284	30	Below Cal	#	1
22) Pentachlorophenol	15.89	266	87	0.05	ng	73
23) Phenanthrene	16.17	178	763	Below Cal	#	79
24) Anthracene	16.25	178	4363	0.15	ng	90
25) Fluoranthene	18.16	202	751	Below Cal	#	71
27) Benzidine	18.68	184	2437	0.99	ng	65
31) 3,3'-Dichlorobenzidine	20.72	252	51	0.03	ng	13
32) Chrysene	20.32	228	394	Below Cal	#	1
33) Bis(2-ethylhexyl)phthalate	19.97	149	6166	0.53	ng	95
34) Indeno(1,2,3-cd)pyrene	23.84	276	212	0.12	ng	88
37) Benzo(k)fluoranthene	21.66	252	322	Below Cal	#	1

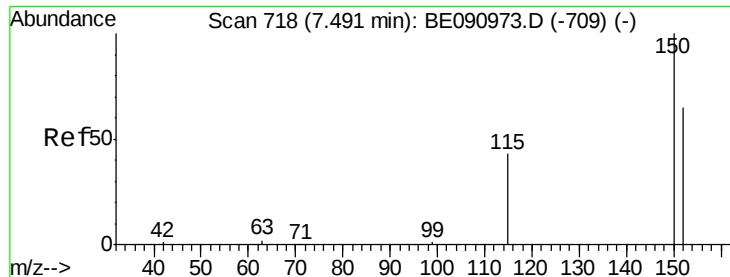
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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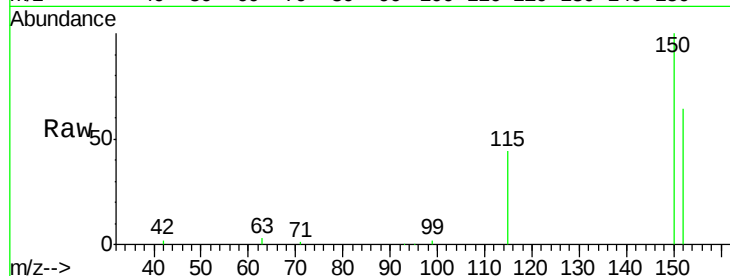


#1

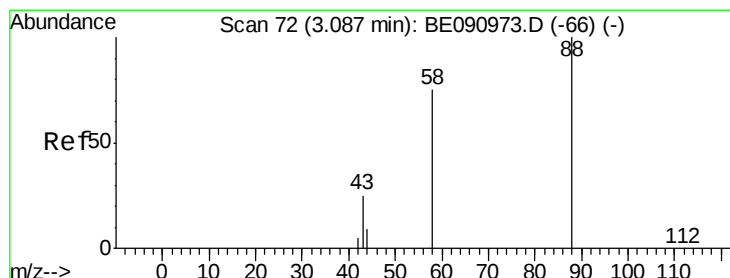
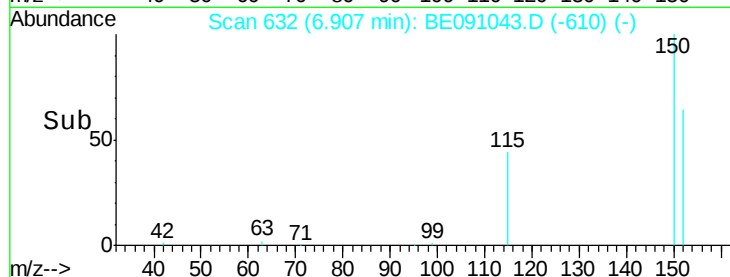
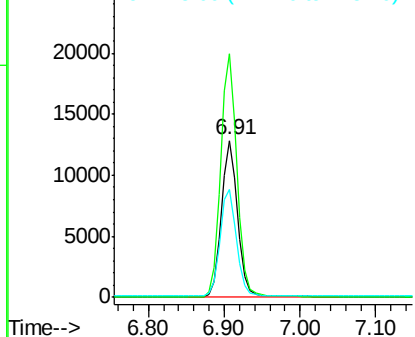
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.91 min Scan# 632
Delta R.T. -0.05 min
Lab File: BE091043.D
Acq: 23 Oct 2015 20:56

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 18816
Ion Ratio Lower Upper
152 100
150 155.4 122.6 183.8
115 68.9 52.8 79.2



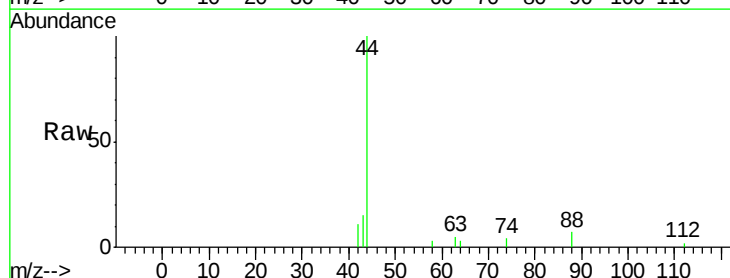
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



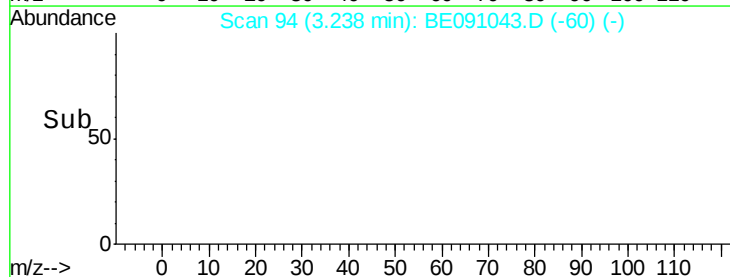
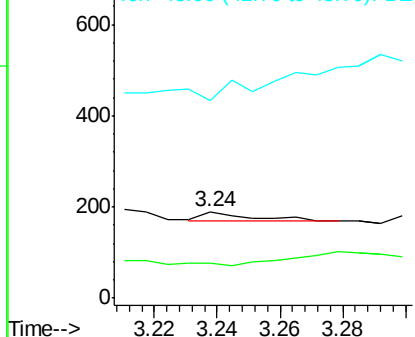
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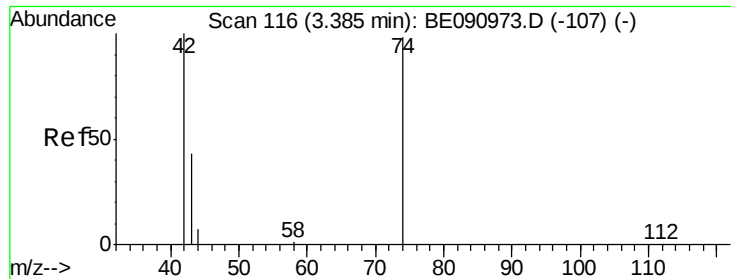
1,4-Dioxane
Concen: Below Cal
RT: 3.24 min Scan# 94
Delta R.T. 0.03 min
Lab File: BE091043.D
Acq: 23 Oct 2015 20:56

Tgt Ion: 88 Resp: 23
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



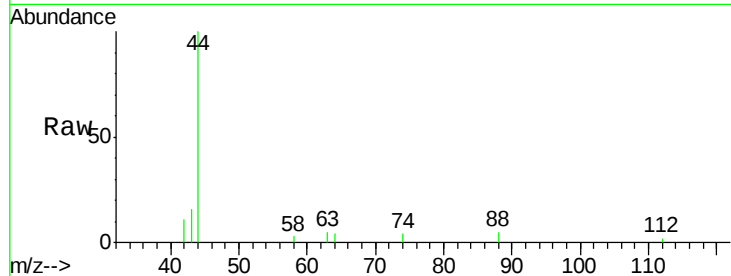


#3

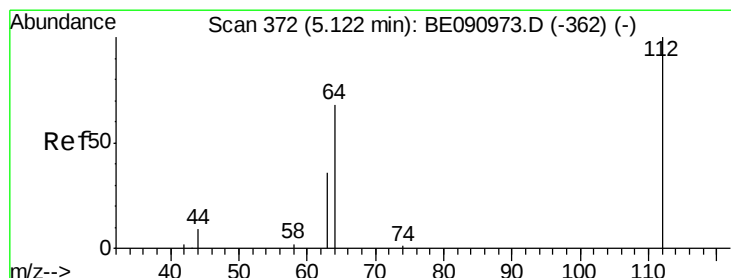
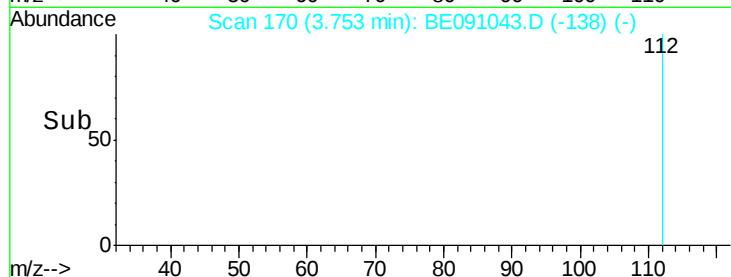
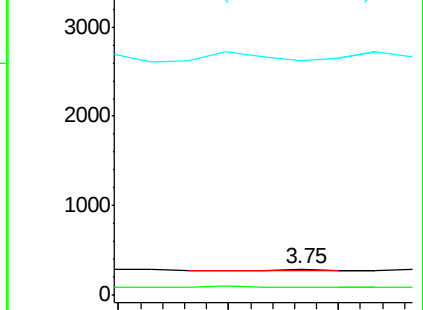
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.75 min Scan# 170
 Delta R.T. 0.02 min
 Lab File: BE091043.D
 Acq: 23 Oct 2015 20:56

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 13
 Ion Ratio Lower Upper
 42 100
 74 46.2 87.9 131.9#
 44 646.2 6.6 9.8#



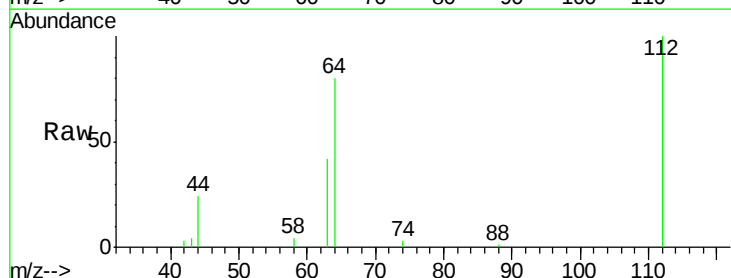
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



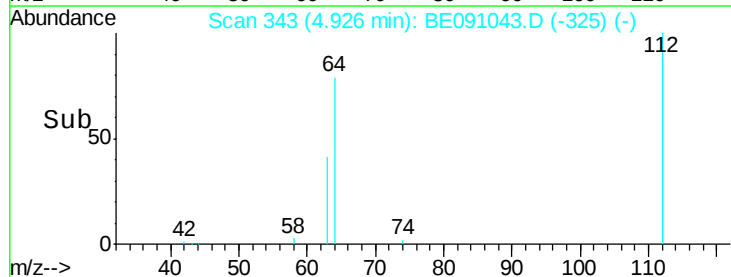
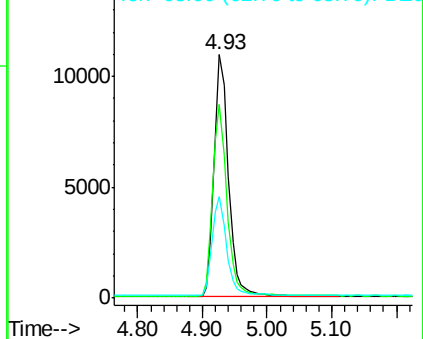
#4

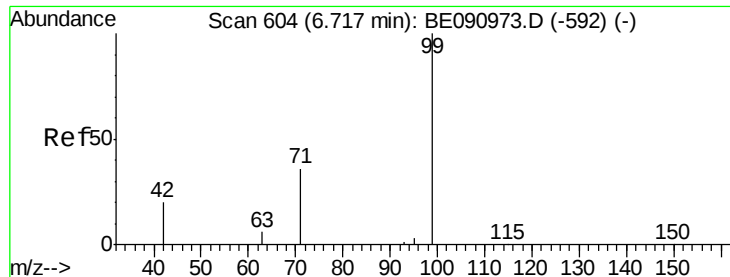
2-Fluorophenol
 Concen: 4.52 ng
 RT: 4.93 min Scan# 343
 Delta R.T. -0.07 min
 Lab File: BE091043.D
 Acq: 23 Oct 2015 20:56

Tgt Ion: 112 Resp: 17134
 Ion Ratio Lower Upper
 112 100
 64 78.7 30.9 46.3#
 63 40.5 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: 3.55 ng

RT: 6.55 min Scan# 580

Delta R.T. -0.07 min

Lab File: BE091043.D

Acq: 23 Oct 2015 20:56

Instrument :

BNA_E

ClientSampled :

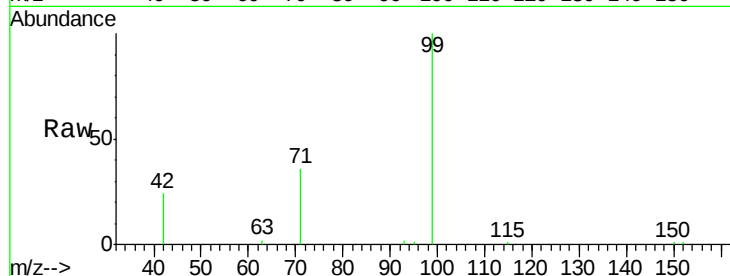
Tot Ion: 99 Resp: 17081

Ion Ratio Lower Upper

99 100

42 23.4 16.2 24.2

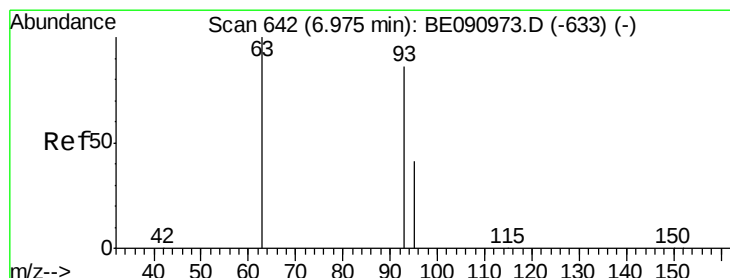
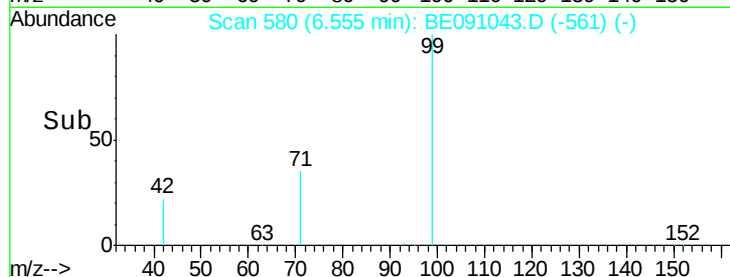
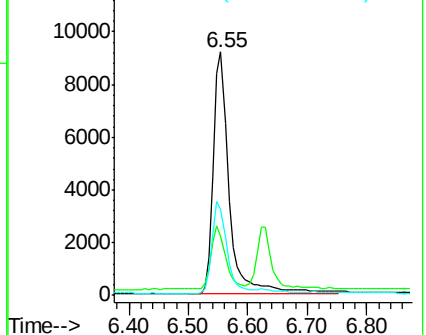
71 35.6 29.0 43.4



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: 6.63 min Scan# 591

Delta R.T. -0.03 min

Lab File: BE091043.D

Acq: 23 Oct 2015 20:56

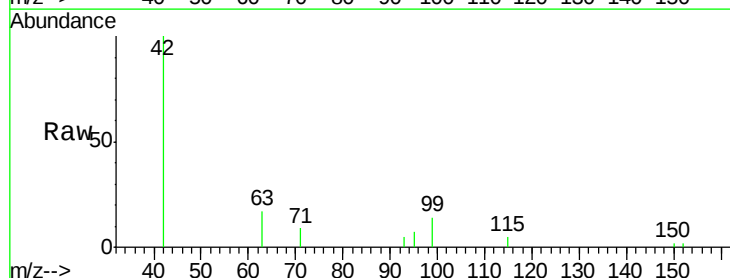
Tgt Ion: 93 Resp: 101

Ion Ratio Lower Upper

93 100

63 544.6 49.5 74.3#

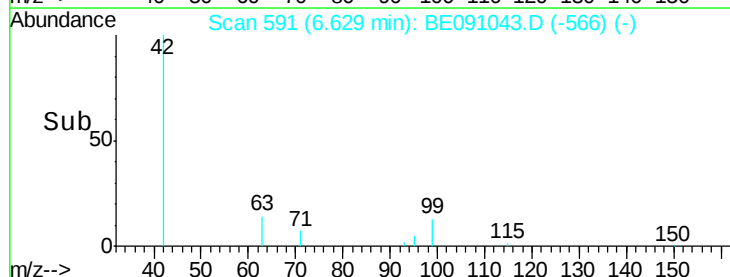
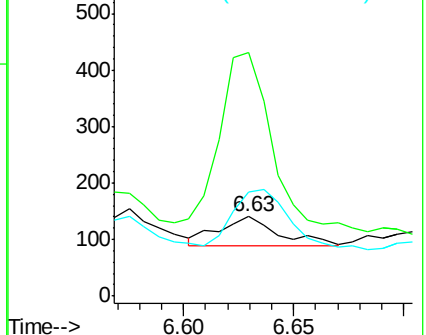
95 222.8 22.2 33.4#

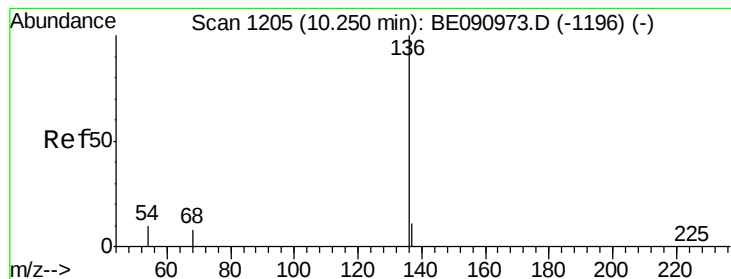


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 9.58 min Scan# 1154

Delta R.T. -0.05 min

Lab File: BE091043.D

Acq: 23 Oct 2015 20:56

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 99748

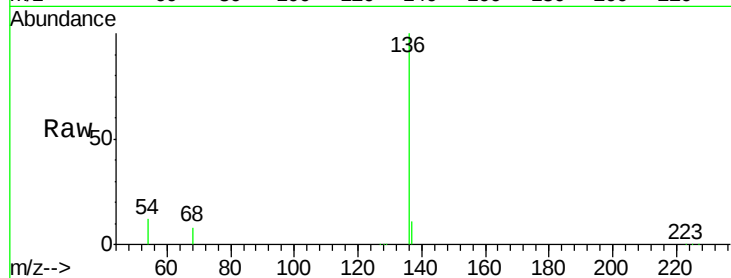
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 12.3 8.2 12.4

68 8.5 6.2 9.4

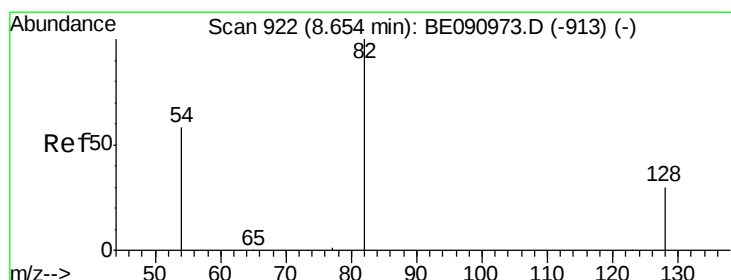
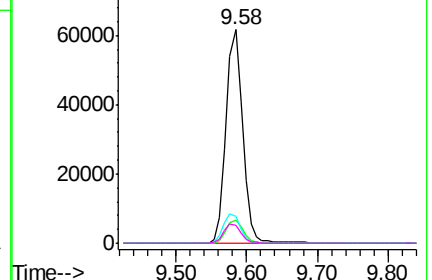
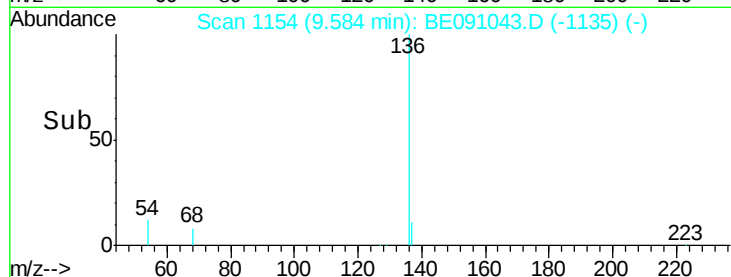


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.36 ng

RT: 8.17 min Scan# 862

Delta R.T. -0.07 min

Lab File: BE091043.D

Acq: 23 Oct 2015 20:56

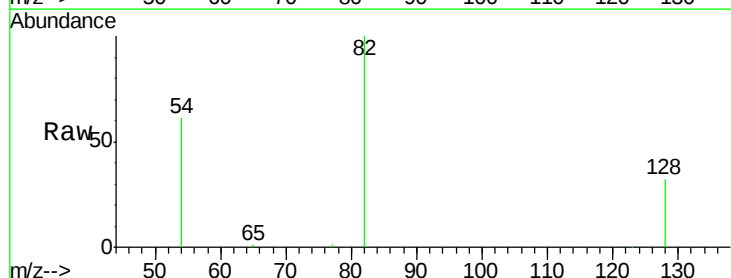
Tgt Ion: 82 Resp: 35337

Ion Ratio Lower Upper

82 100

128 31.9 25.4 38.0

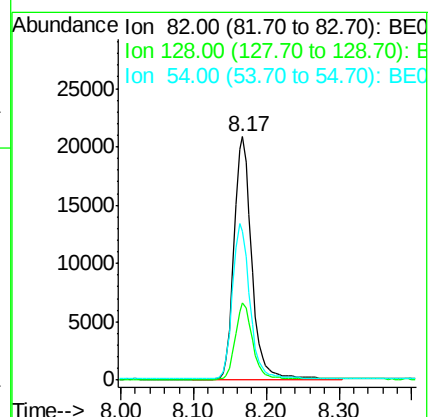
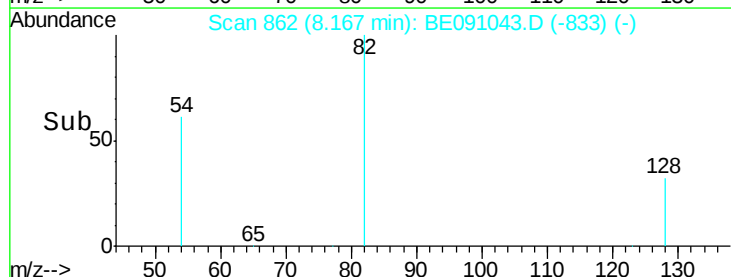
54 61.0 48.4 72.6

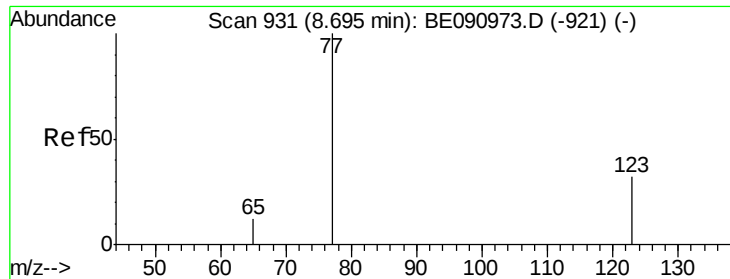


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.29 ng

RT: 8.23 min Scan# 875

Delta R.T. -0.04 min

Lab File: BE091043.D

Acq: 23 Oct 2015 20:56

Instrument :

BNA_E

ClientSampled :

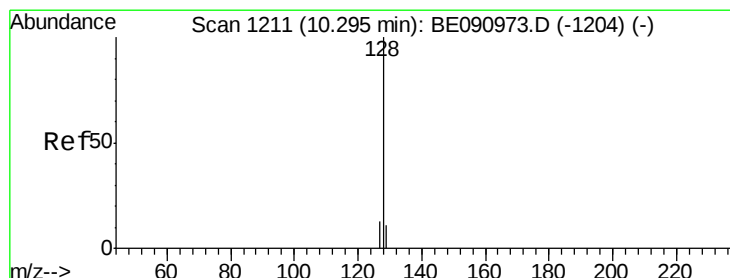
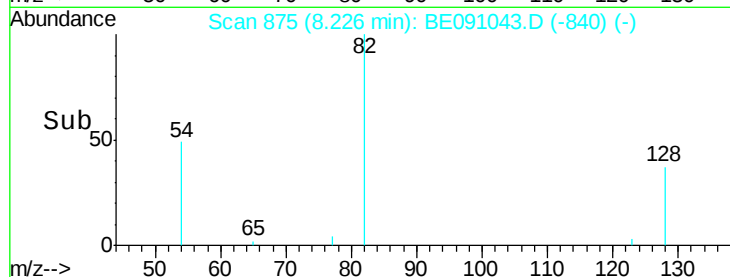
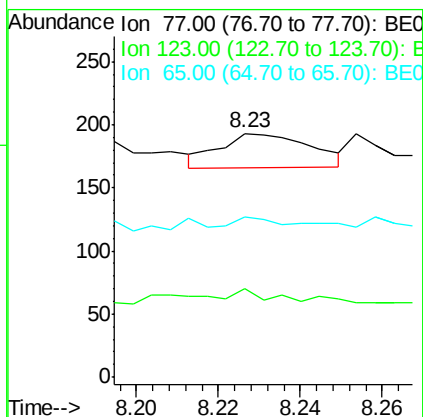
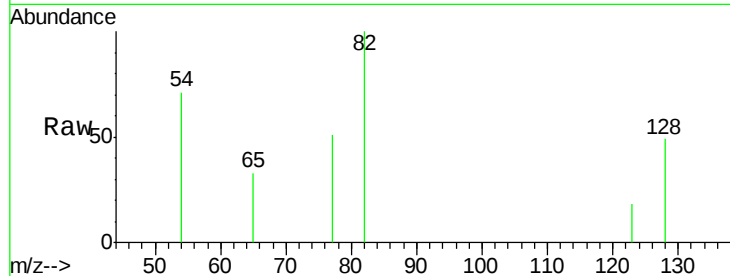
Tot Ion: 77 Resp: 41

Ion Ratio Lower Upper

77 100

123 0.0 26.9 40.3#

65 24.4 9.4 14.2#



#10

Naphthalene

Concen: Below Cal

RT: 9.63 min Scan# 1160

Delta R.T. -0.05 min

Lab File: BE091043.D

Acq: 23 Oct 2015 20:56

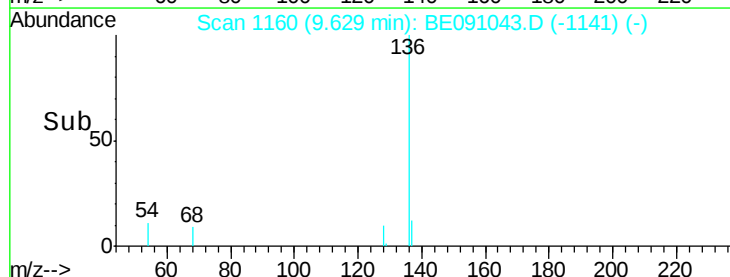
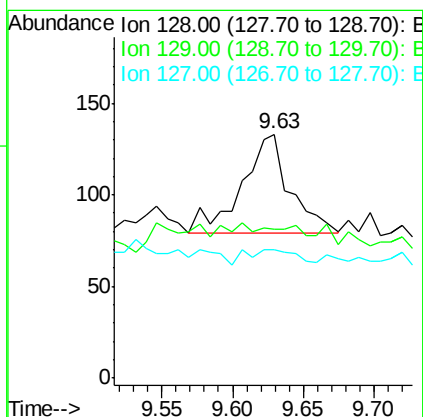
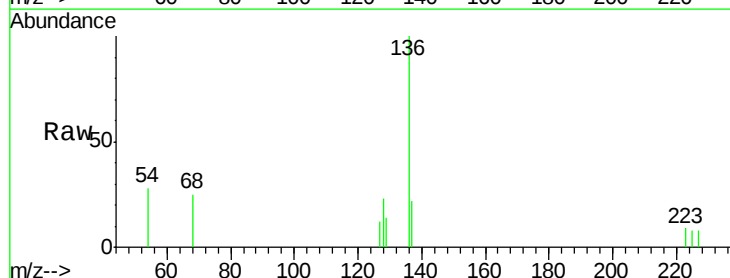
Tgt Ion: 128 Resp: 128

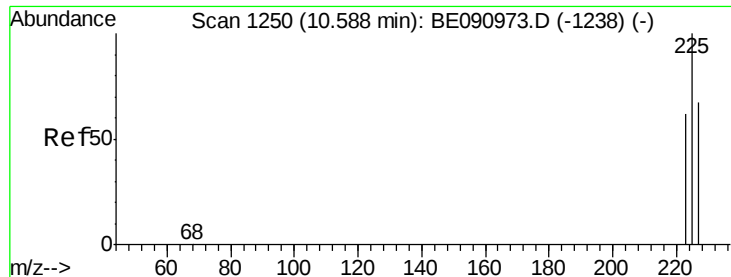
Ion Ratio Lower Upper

128 100

129 60.9 9.3 13.9#

127 52.6 10.7 16.1#

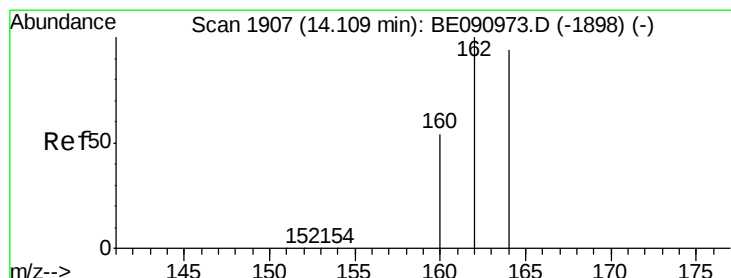
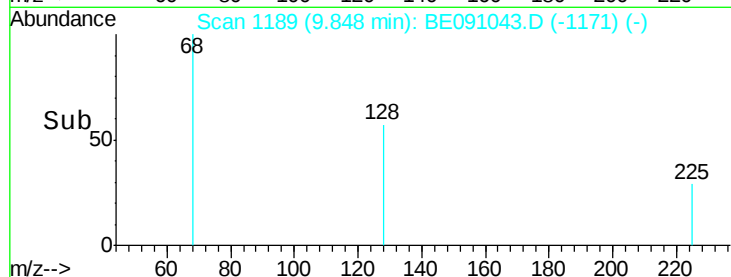
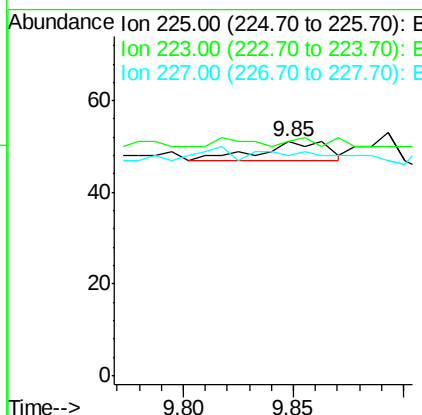
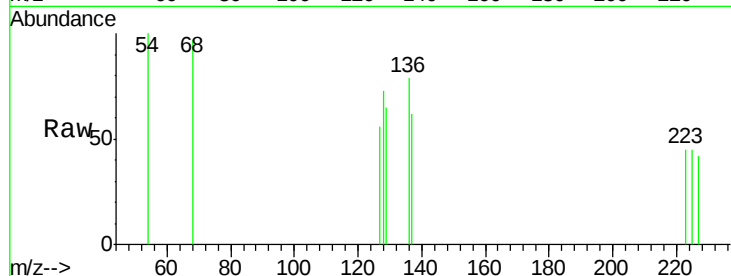




#11
Hexachlorobutadiene
Concen: Below Cal
RT: 9.85 min Scan# 1189
Delta R.T. -0.06 min
Lab File: BE091043.D
Acq: 23 Oct 2015 20:56

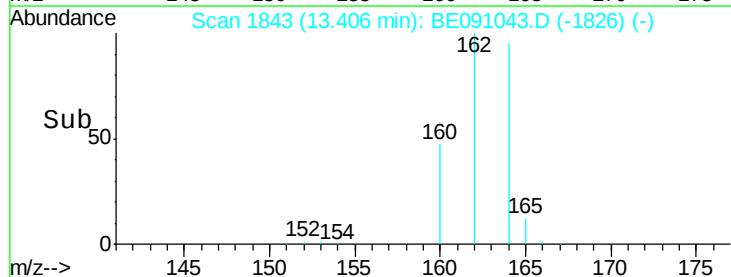
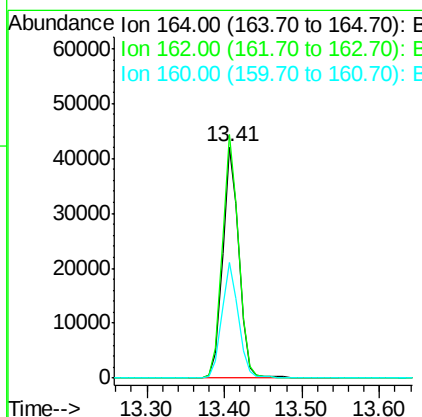
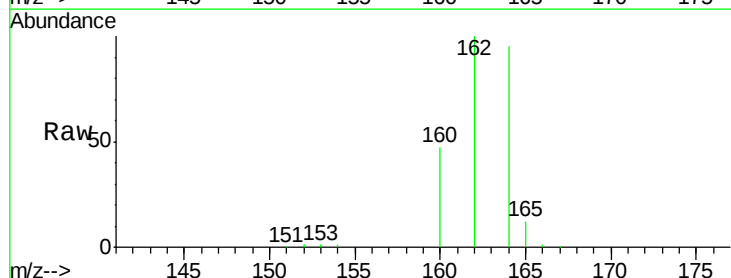
Instrument :
BNA_E
ClientSampleId :

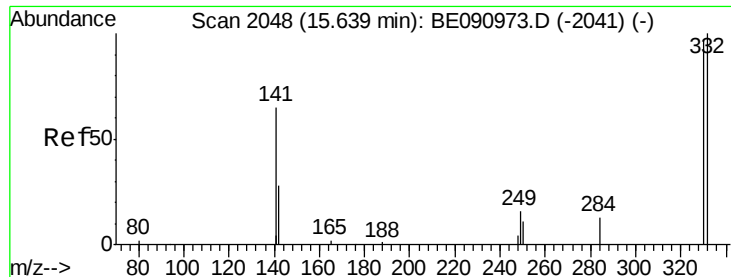
Tot Ion:225 Resp: 9
Ion Ratio Lower Upper
225 100
223 44.4 49.0 73.6#
227 0.0 50.3 75.5#



#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 13.41 min Scan# 1843
Delta R.T. -0.05 min
Lab File: BE091043.D
Acq: 23 Oct 2015 20:56

Tgt Ion:164 Resp: 60251
Ion Ratio Lower Upper
164 100
162 105.2 85.3 127.9
160 49.8 46.2 69.2

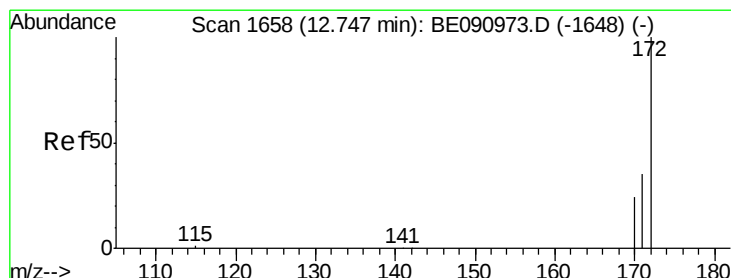
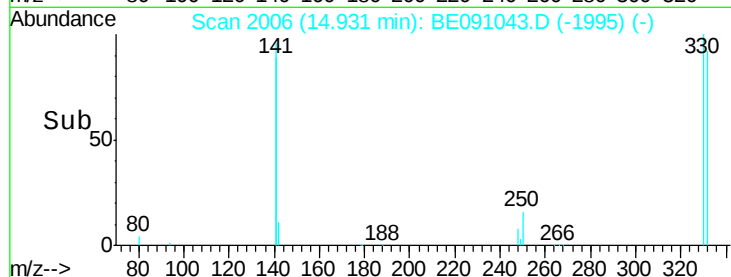
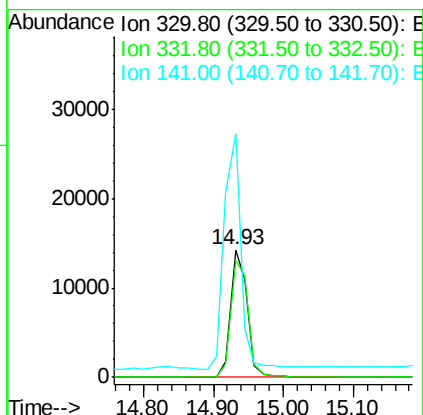
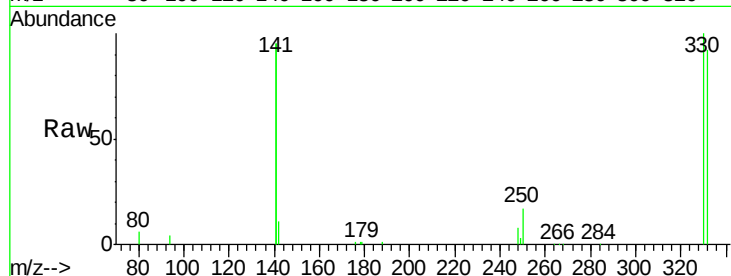




#14
 2,4,6-Tribromophenol
 Concen: 10.99 ng
 RT: 14.93 min Scan# 2006
 Delta R.T. -0.05 min
 Lab File: BE091043.D
 Acq: 23 Oct 2015 20:56

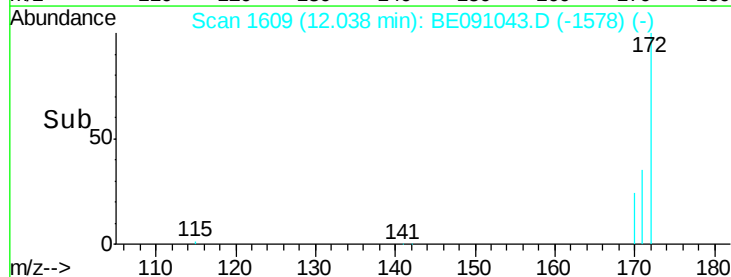
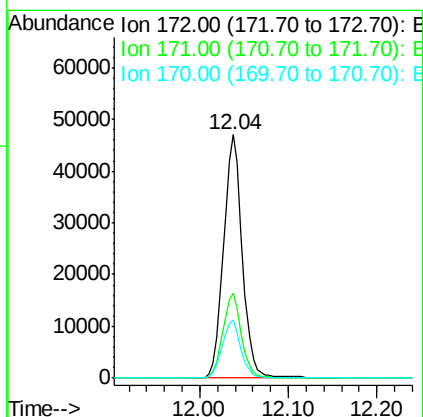
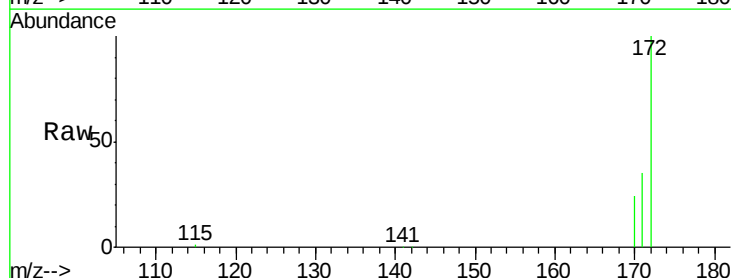
Instrument :
 BNA_E
 ClientSampleId :

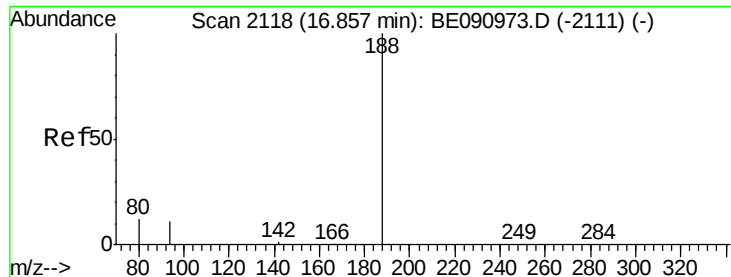
Tot Ion:330 Resp: 23075
 Ion Ratio Lower Upper
 330 100
 332 96.7 79.1 118.7
 141 189.3 125.4 188.0#



#15
 2-Fluorobiphenyl
 Concen: 4.20 ng
 RT: 12.04 min Scan# 1609
 Delta R.T. -0.06 min
 Lab File: BE091043.D
 Acq: 23 Oct 2015 20:56

Tgt Ion:172 Resp: 68603
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.8 43.2
 170 23.9 19.3 28.9





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.13 min Scan# 2096

Delta R.T. -0.05 min

Lab File: BE091043.D

Acq: 23 Oct 2015 20:56

Instrument :

BNA_E

ClientSampleId :

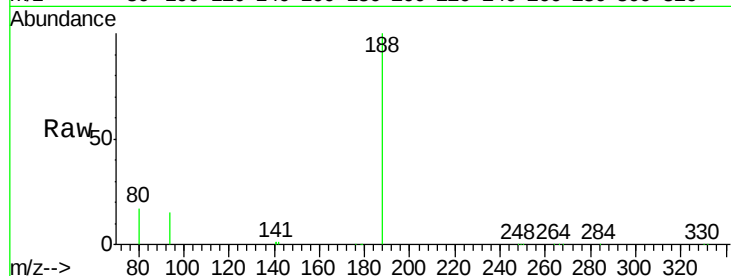
Tot Ion:188 Resp: 147553

Ion Ratio Lower Upper

188 100

94 14.8 8.7 13.1#

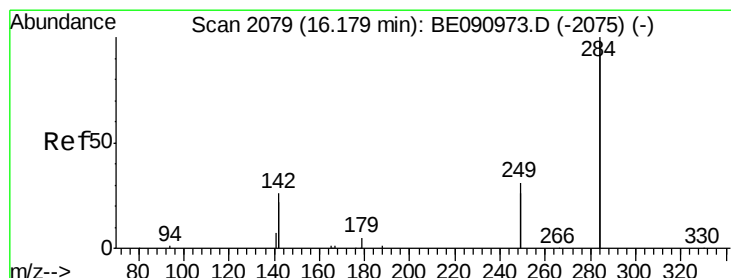
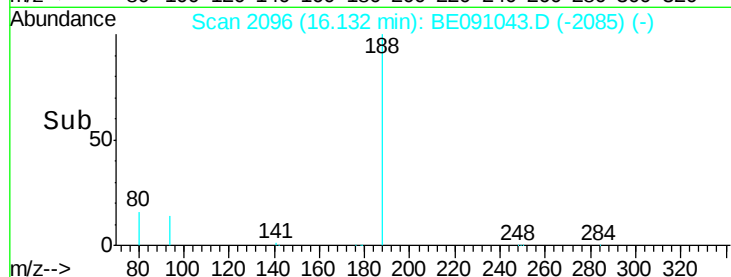
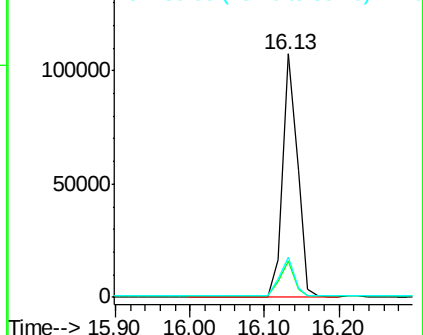
80 16.7 9.4 14.0#



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: 15.40 min Scan# 2041

Delta R.T. -0.05 min

Lab File: BE091043.D

Acq: 23 Oct 2015 20:56

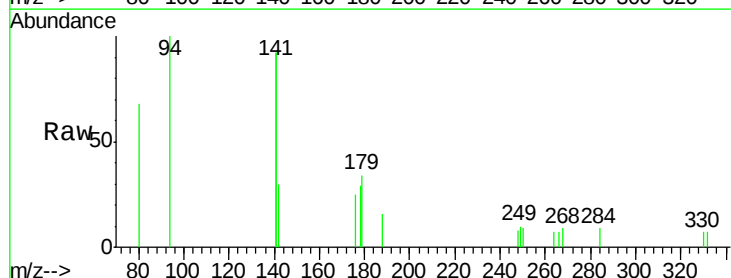
Tgt Ion:284 Resp: 30

Ion Ratio Lower Upper

284 100

142 176.7 32.2 48.2#

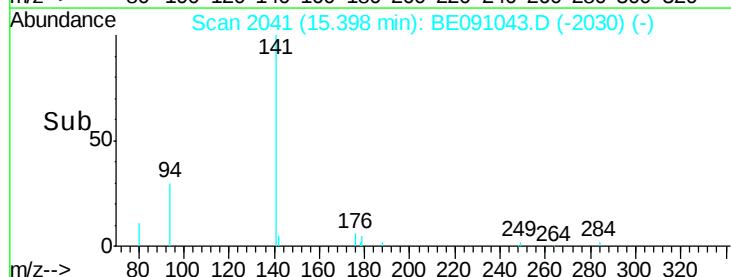
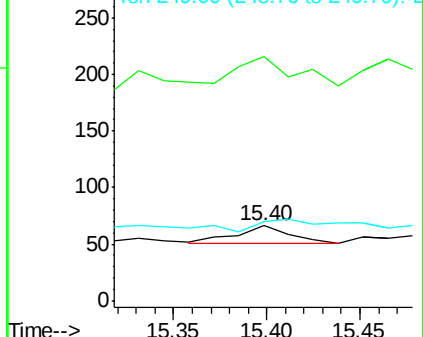
249 123.3 25.4 38.2#

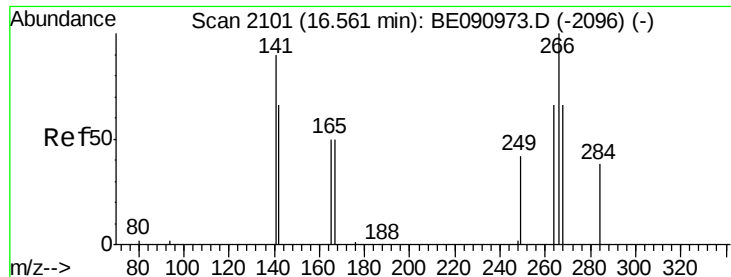


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#22

Pentachlorophenol

Concen: 0.05 na

RT: 15.89 min Scan# 2078

Delta R.T. -0.04 min

Lab File: BE091043.D

Acq: 23 Oct 2015 20:56

Instrument :

BNA_E

ClientSampleId :

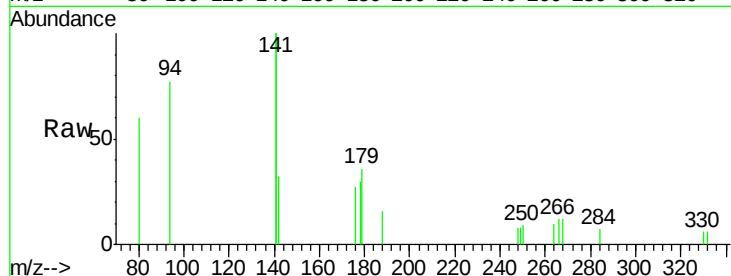
Tot Ion:266 Resp: 87

Ion Ratio Lower Upper

266 100

268 103.0 58.2 87.2#

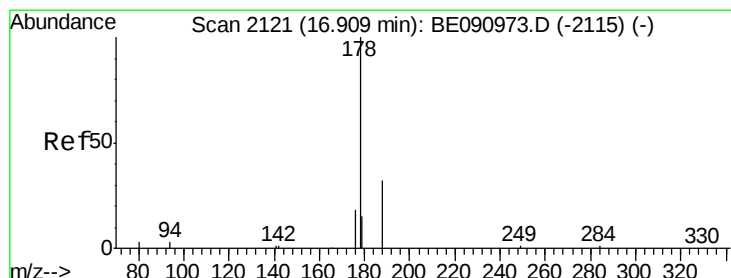
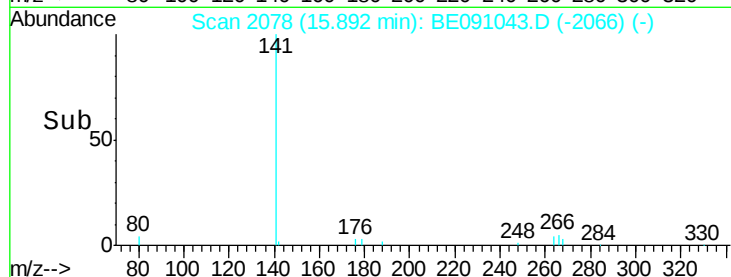
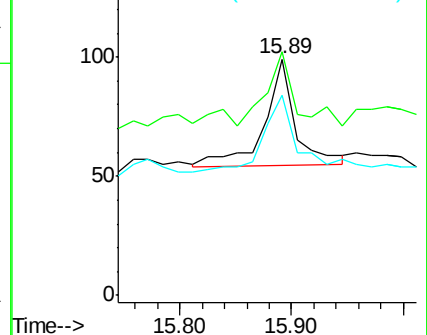
264 84.8 56.2 84.4#



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: 16.17 min Scan# 2099

Delta R.T. -0.05 min

Lab File: BE091043.D

Acq: 23 Oct 2015 20:56

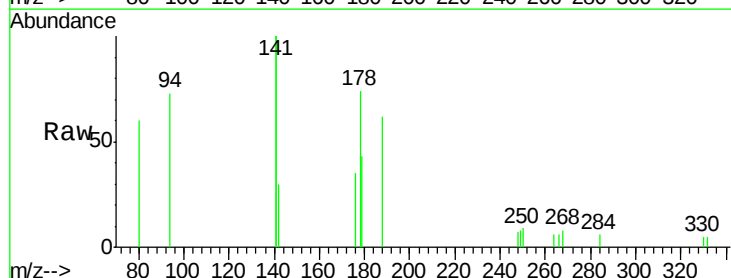
Tgt Ion:178 Resp: 763

Ion Ratio Lower Upper

178 100

176 22.4 15.3 22.9

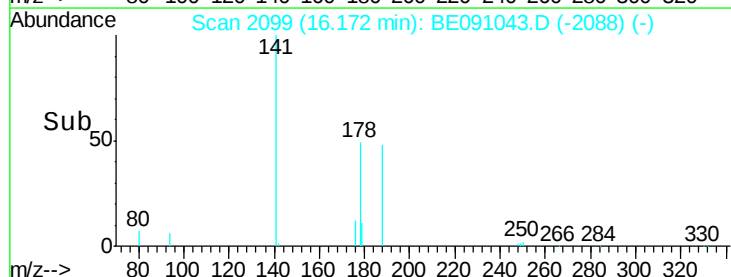
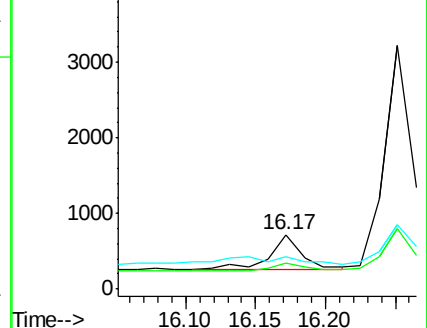
179 0.0 12.6 18.8#

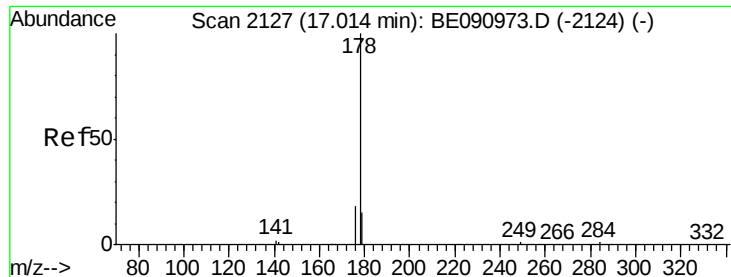


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

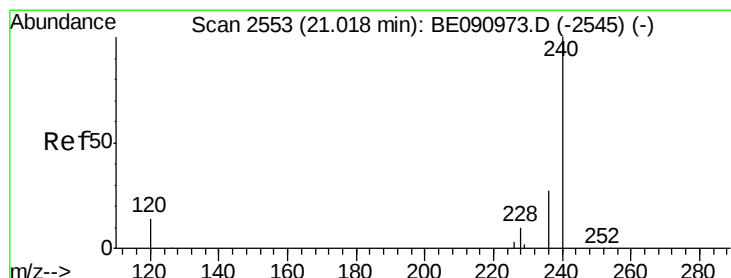
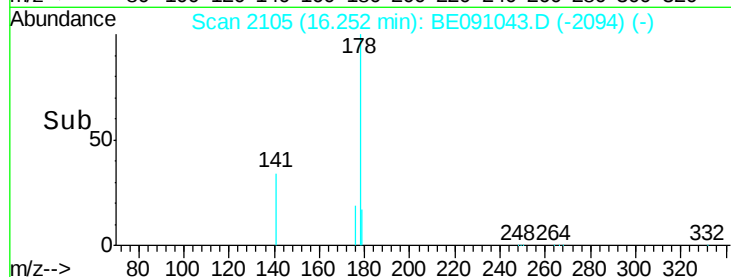
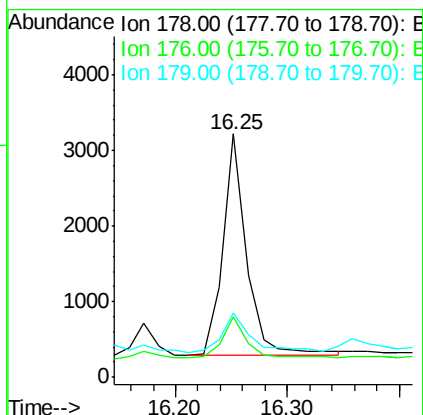
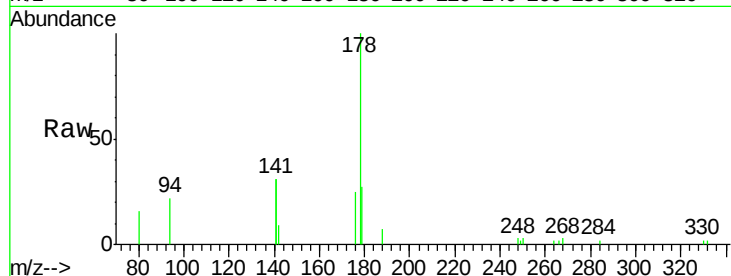




#24
 Anthracene
 Concen: 0.15 ng
 RT: 16.25 min Scan# 2105
 Delta R.T. -0.05 min
 Lab File: BE091043.D
 Acq: 23 Oct 2015 20:56

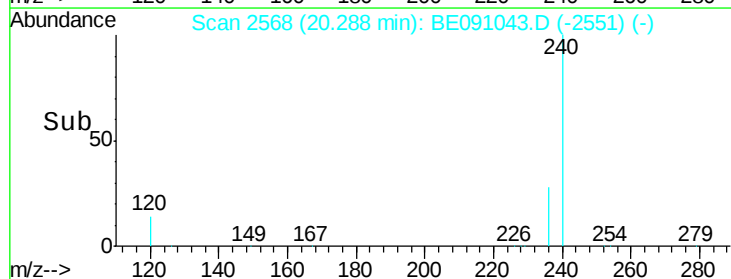
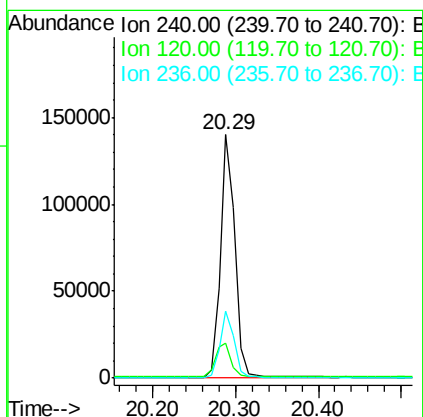
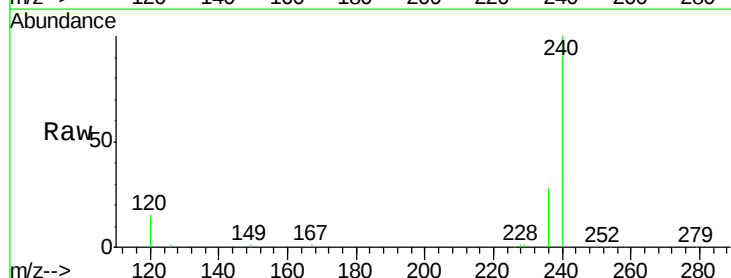
Instrument :
 BNA_E
 ClientSampleId :

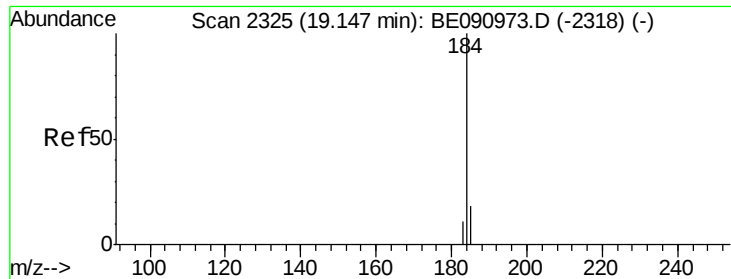
Tot Ion:178 Resp: 4363
 Ion Ratio Lower Upper
 178 100
 176 20.7 14.6 21.8
 179 21.5 11.8 17.6#



#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 20.29 min Scan# 2568
 Delta R.T. -0.04 min
 Lab File: BE091043.D
 Acq: 23 Oct 2015 20:56

Tgt Ion:240 Resp: 171756
 Ion Ratio Lower Upper
 240 100
 120 14.6 11.0 16.4
 236 27.7 21.7 32.5





#27

Benzidine

Concen: 0.99 ng

RT: 18.68 min Scan# 2381

Delta R.T. 0.09 min

Lab File: BE091043.D

Acq: 23 Oct 2015 20:56

Instrument :

BNA_E

ClientSampleId :

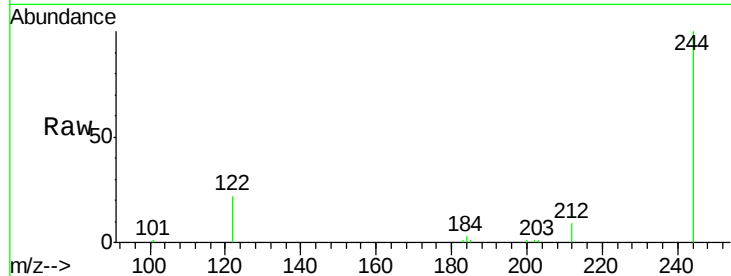
Tot Ion:184 Resp: 2437

Ion Ratio Lower Upper

184 100

185 44.6 22.3 33.5#

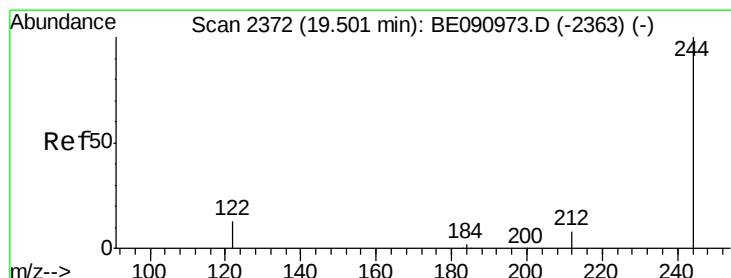
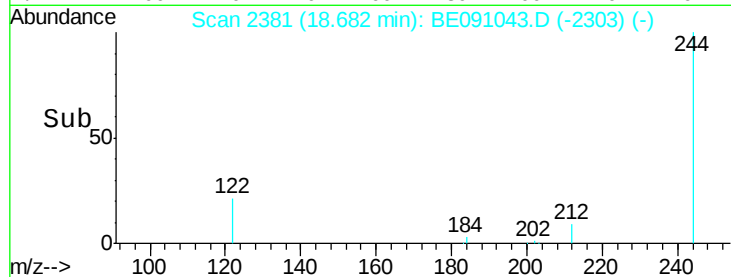
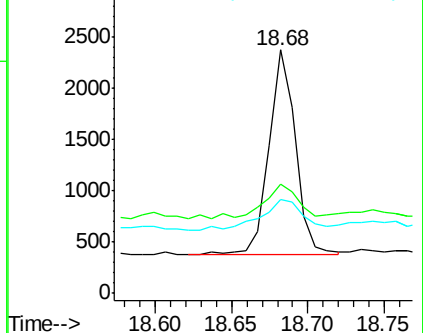
183 38.7 16.4 24.6#



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: 5.55 ng

RT: 18.69 min Scan# 2382

Delta R.T. -0.05 min

Lab File: BE091043.D

Acq: 23 Oct 2015 20:56

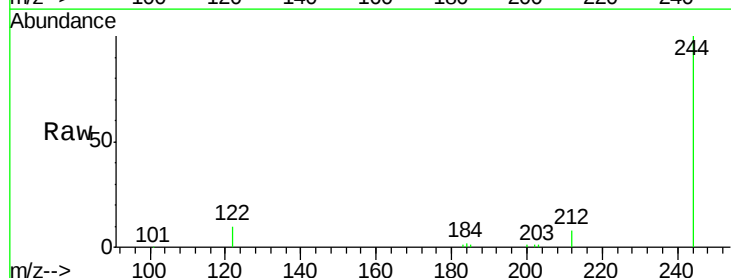
Tgt Ion:244 Resp: 117636

Ion Ratio Lower Upper

244 100

212 8.4 6.9 10.3

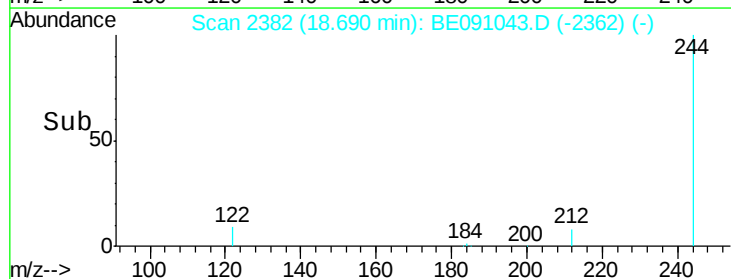
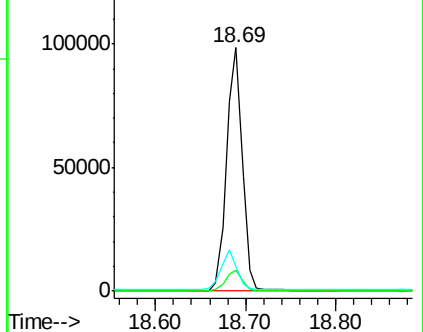
122 10.2 11.0 16.4#

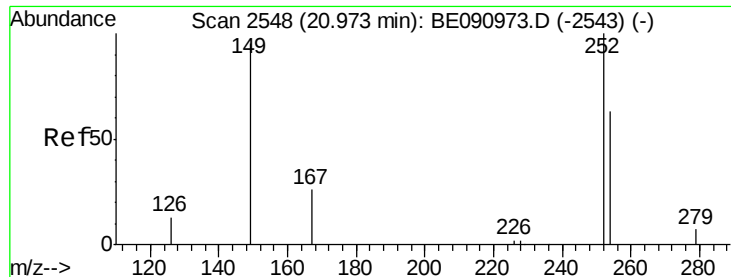


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

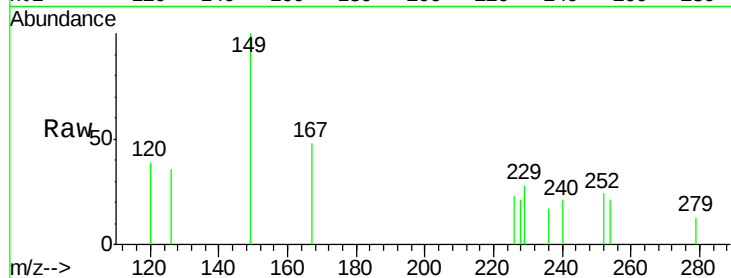




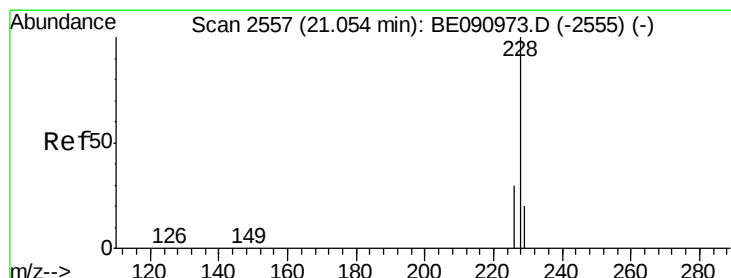
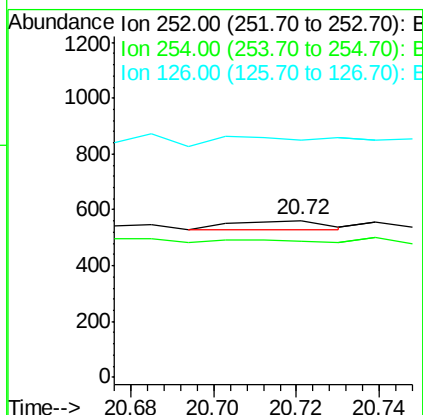
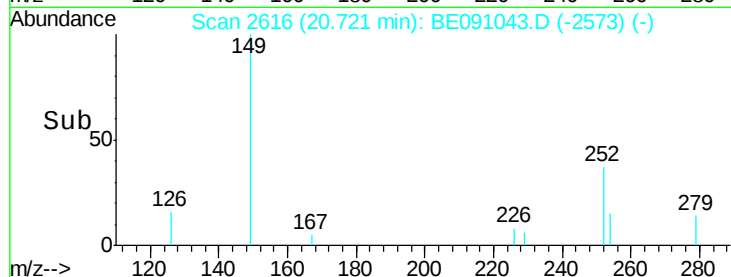
#31
 3,3'-Dichlorobenzidine
 Concen: 0.03 ng
 RT: 20.72 min Scan# 2616
 Delta R.T. -0.12 min
 Lab File: BE091043.D
 Acq: 23 Oct 2015 20:56

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:252 Resp: 51
 Ion Ratio Lower Upper
 252 100
 254 87.0 51.1 76.7#
 126 151.1 12.6 18.8#

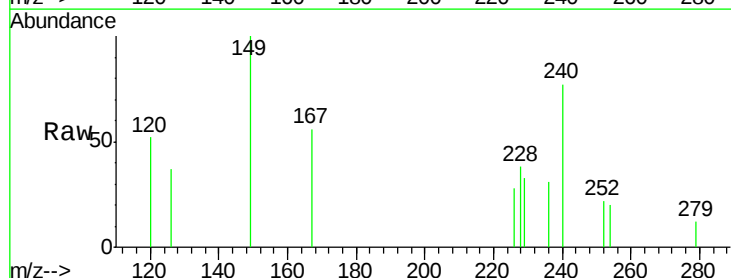


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

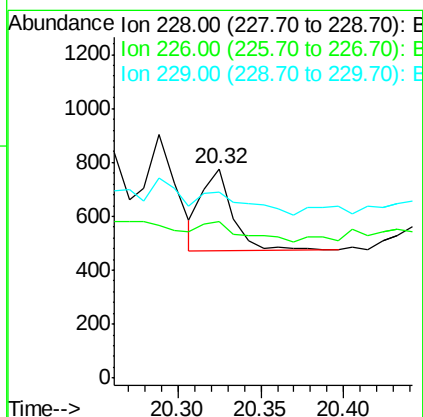
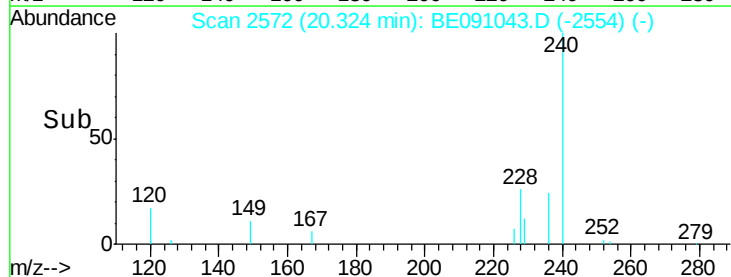


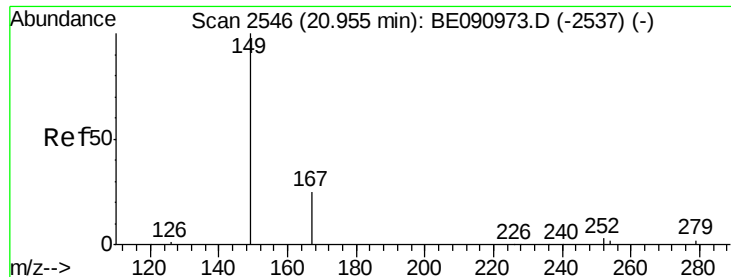
#32
 Chrysene
 Concen: Below Cal
 RT: 20.32 min Scan# 2572
 Delta R.T. -0.03 min
 Lab File: BE091043.D
 Acq: 23 Oct 2015 20:56

Tgt Ion:228 Resp: 394
 Ion Ratio Lower Upper
 228 100
 226 75.0 24.0 36.0#
 229 89.1 15.9 23.9#



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

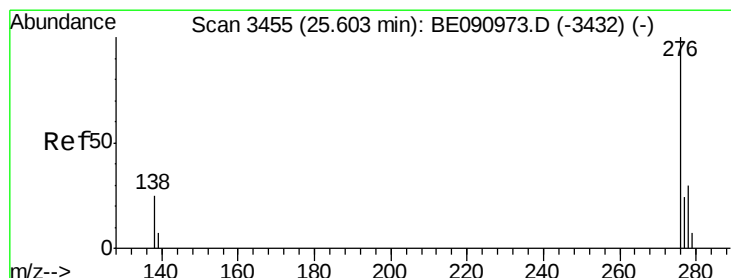
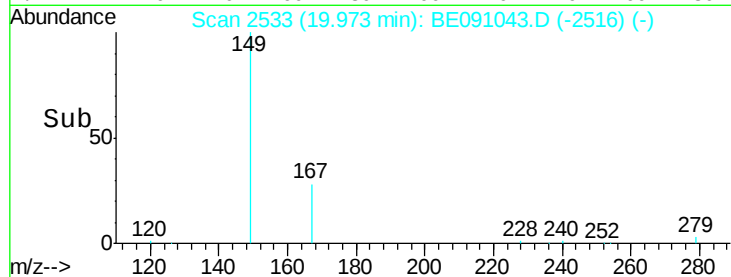
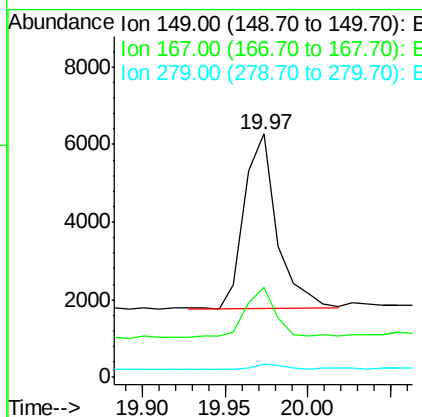
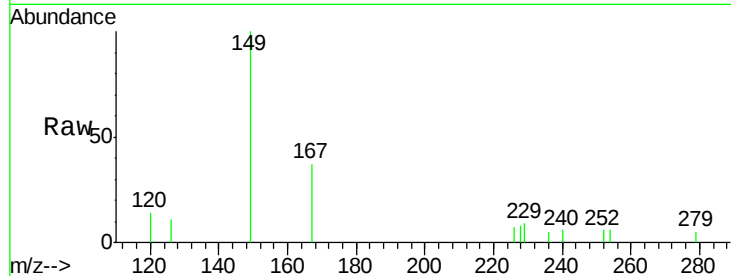




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.53 ng
 RT: 19.97 min Scan# 2533
 Delta R.T. -0.04 min
 Lab File: BE091043.D
 Acq: 23 Oct 2015 20:56

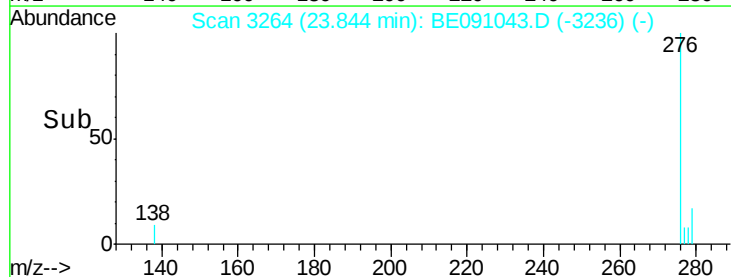
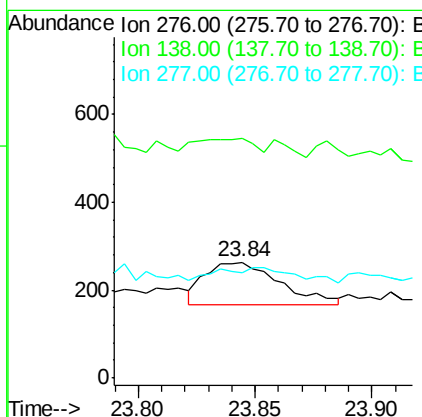
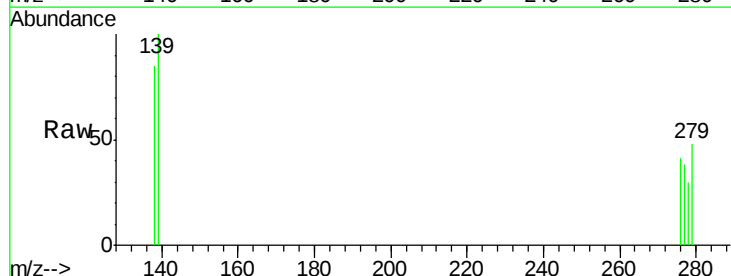
Instrument :
 BNA_E
 ClientSampleId :

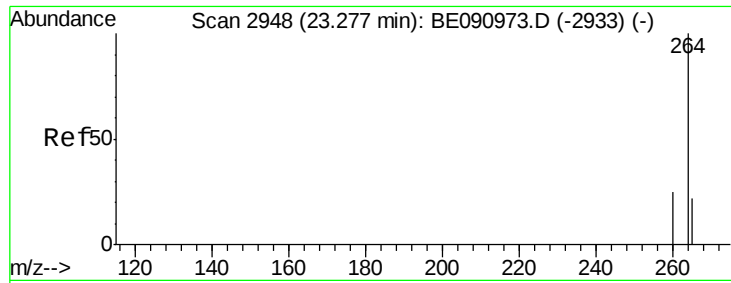
Tot Ion:149 Resp: 6166
 Ion Ratio Lower Upper
 149 100
 167 27.1 19.5 29.3
 279 4.4 2.3 3.5#



#34
 Indeno(1,2,3-cd)pyrene
 Concen: 0.12 ng
 RT: 23.84 min Scan# 3264
 Delta R.T. -0.07 min
 Lab File: BE091043.D
 Acq: 23 Oct 2015 20:56

Tgt Ion:276 Resp: 212
 Ion Ratio Lower Upper
 276 100
 138 29.7 23.4 35.2
 277 37.3 19.8 29.8#



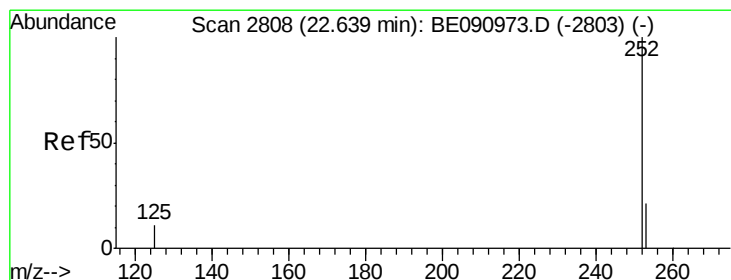
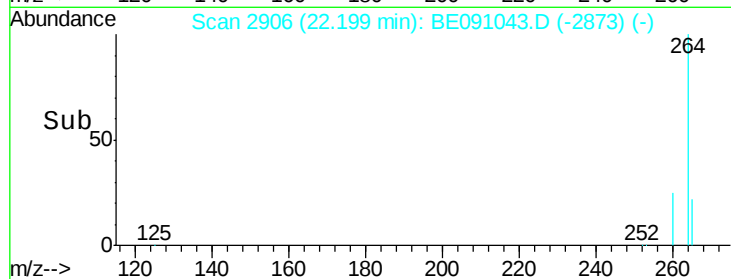
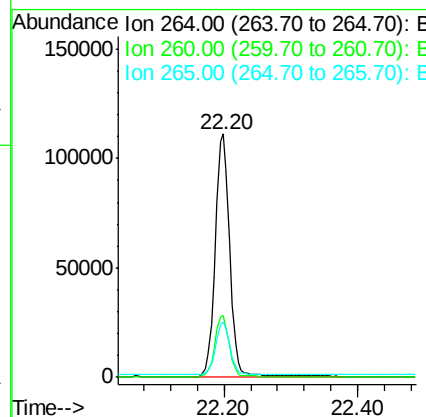
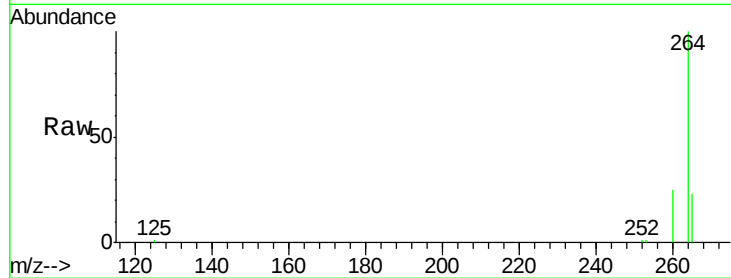


#35
Pervlene-d12
Concen: 5.00 ng
RT: 22.20 min Scan# 2906
Delta R.T. -0.05 min
Lab File: BE091043.D
Acq: 23 Oct 2015 20:56

Instrument :
BNA_E
ClientSampleId :

Tot Ion:264 Resp: 166868

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.0	30.0
265	22.9	17.5	26.3



#37
Benzo(k)fluoranthene
Concen: Below Cal
RT: 21.66 min Scan# 2788
Delta R.T. -0.05 min
Lab File: BE091043.D
Acq: 23 Oct 2015 20:56

Tgt Ion:252 Resp: 322

Ion	Ratio	Lower	Upper
252	100		
253	153.1	17.6	26.4#
125	117.5	9.9	14.9#

