

Data Path : Z:\HPCHEM1\BNA E\DATA\BE052516\
 Data File : BE091861.D
 Acq On : 25 May 2016 16:36
 Operator : UM/SJ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 25 18:11:40 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE052516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 18:07:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	22555	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	103629	5.00	ng	0.00
15) Acenaphthene-d10	14.40	164	63804	5.00	ng	0.00
24) Phenanthrene-d10	17.14	188	205486	5.00	ng	0.00
31) Chrysene-d12	21.29	240	257785	5.00	ng	0.00
40) Perylene-d12	23.71	264	238005	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	1460	0.24	ng	0.00
5) Phenol-d6	6.95	99	1828	0.22	ng	0.00
9) Nitrobenzene-d5	8.94	82	1879	0.23	ng	0.00
16) 2,4,6-Tribromophenol	15.89	330	624	0.23	ng	0.00
17) 2-Fluorobiphenyl	13.03	172	4418	0.25	ng	0.00
34) Terphenyl-d14	19.74	244	8842	0.25	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.31	88	796	0.27	ng	# 89
3) n-Nitrosodimethylamine	3.63	42	877	0.22	ng	# 97
6) bis(2-Chloroethyl)ether	7.20	93	1552	0.23	ng	99
7) n-Nitroso-di-n-propylamine	8.57	70	1382	0.22	ng	# 93
10) Nitrobenzene	8.96	77	1696	0.22	ng	# 99
11) bis(2-Chloroethoxy)methane	9.98	93	3079	0.34	ng	# 82
12) Naphthalene	10.61	128	5117	0.25	ng	98
13) Hexachlorobutadiene	10.90	225	794	0.25	ng	99
14) 2-Methylnaphthalene	12.22	142	3363	0.24	ng	98
18) Acenaphthylene	14.10	152	7351	0.26	ng	95
19) 2,6-Dinitrotoluene	13.98	165	841	0.19	ng	88
20) Acenaphthene	14.44	154	4056	0.26	ng	96
21) 2,4-Dinitrotoluene	14.78	165	874	0.17	ng	# 1
22) Fluorene	15.44	166	5072	0.25	ng	99
23) 4-Chlorophenyl-phenylether	15.44	204	2603	0.26	ng	99
25) 4-Bromophenyl-phenylether	16.32	248	1620	0.24	ng	99
26) Hexachlorobenzene	16.44	284	1597	0.25	ng	98
27) Pentachlorophenol	16.80	266	517	0.18	ng	98
28) Phenanthrene	17.17	178	10097	0.26	ng	99
29) Anthracene	17.26	178	9081	0.24	ng	100
30) Fluoranthene	19.19	202	11827	0.26	ng	99
32) Benzidine	19.38	184	3811	0.19	ng	# 91
33) Pyrene	19.53	202	12709	0.26	ng	99
35) Benzo(a)anthracene	21.27	228	30956	0.37	ng	99
36) 3,3'-Dichlorobenzidine	21.22	252	8690	0.26	ng	# 96
37) Chrysene	21.27	228	31041	0.38	ng	# 88
38) Bis(2-ethylhexyl)phthalate	21.17	149	5659	0.26	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.26	276	15028	0.26	ng	100
41) Benzo(b)fluoranthene	22.97	252	14904	0.26	ng	95
42) Benzo(k)fluoranthene	23.02	252	12600	0.23	ng	97
43) Benzo(a)pyrene	23.60	252	12980	0.24	ng	97
44) Dibenzo(a,h)anthracene	26.28	278	12393	0.24	ng	# 96
45) Benzo(a,h,i)perylene	27.05	276	12797	0.24	ng	99

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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: May 25 18:11:40 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE052516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 18:07:24 2016
Response via : Initial Calibration

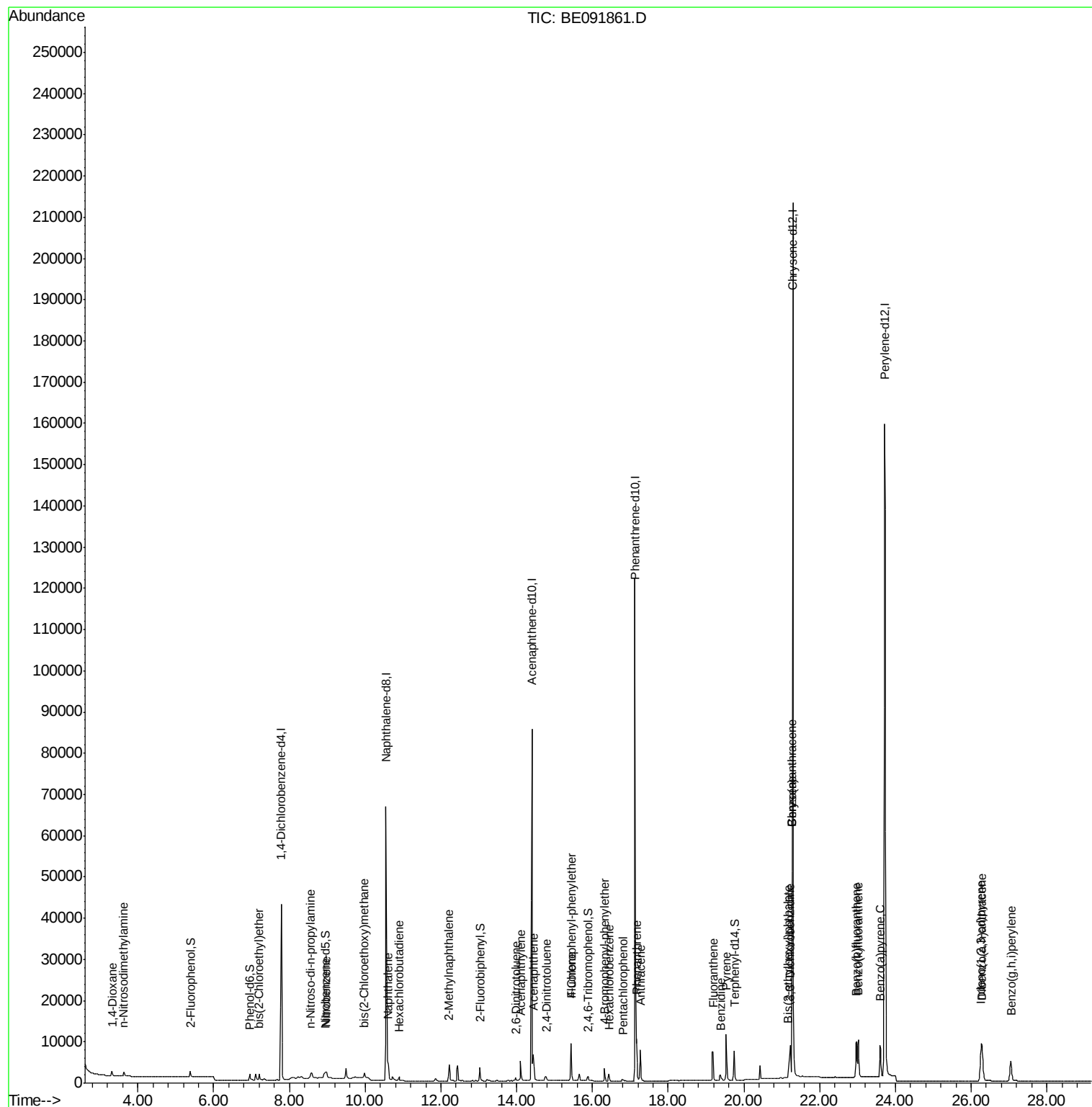
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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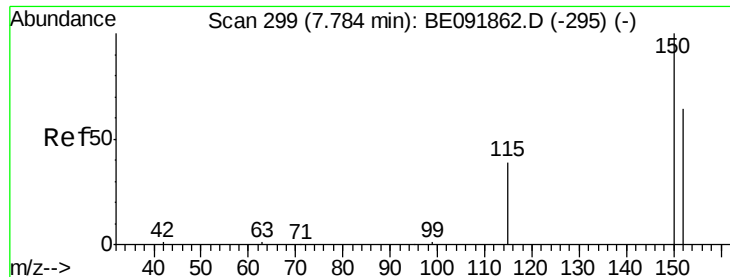
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.79 min Scan# 299

Delta R.T. 0.00 min

Lab File: BE091861.D

Acq: 25 May 2016 16:36

Instrument :

BNA_E

ClientSampleId :

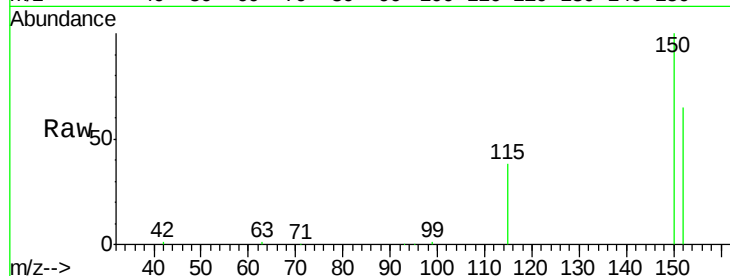
Tot Ion:152 Resp: 22555

Ion Ratio Lower Upper

152 100

150 152.8 123.9 185.9

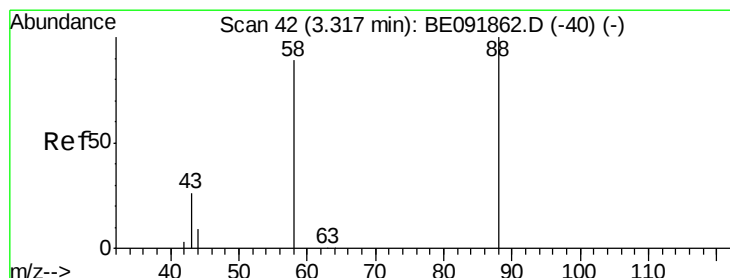
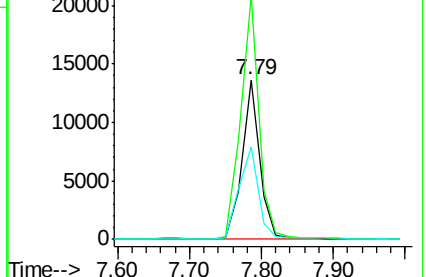
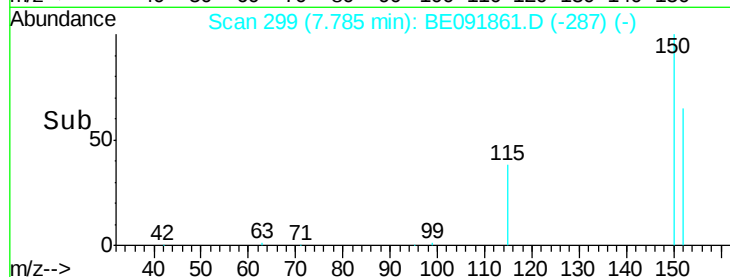
115 58.0 48.3 72.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.27 ng

RT: 3.31 min Scan# 42

Delta R.T. -0.00 min

Lab File: BE091861.D

Acq: 25 May 2016 16:36

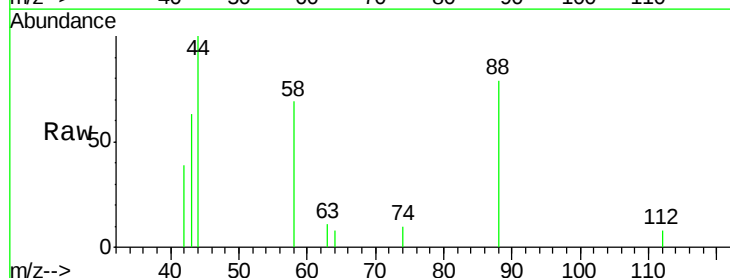
Tgt Ion: 88 Resp: 796

Ion Ratio Lower Upper

88 100

58 73.9 63.0 94.4

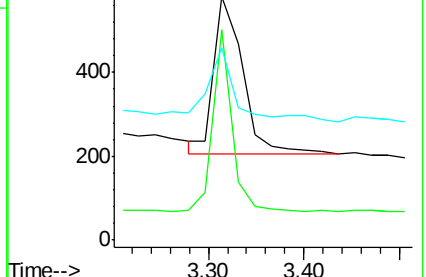
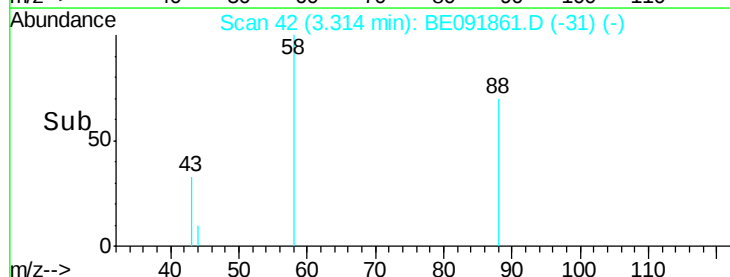
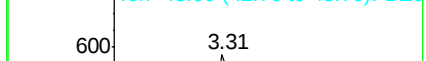
43 49.9 29.1 43.7#

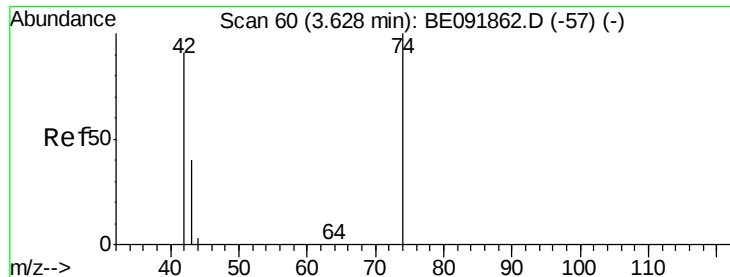


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



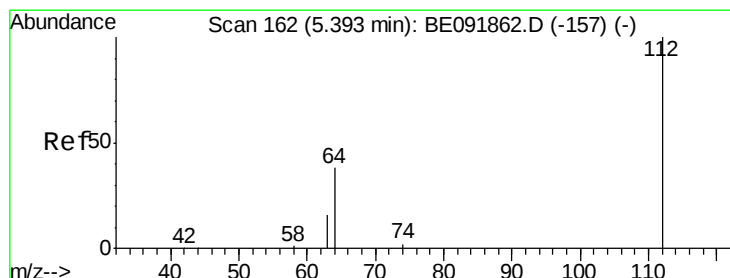
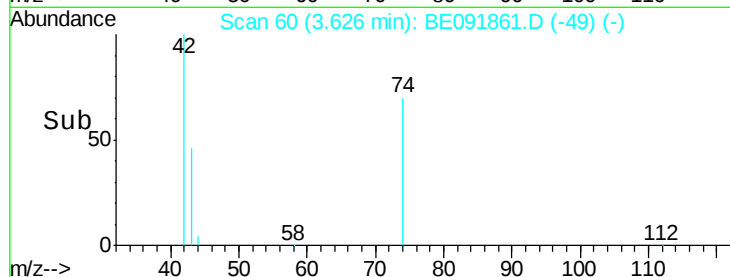
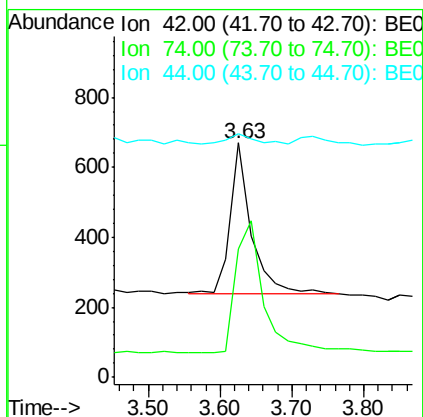
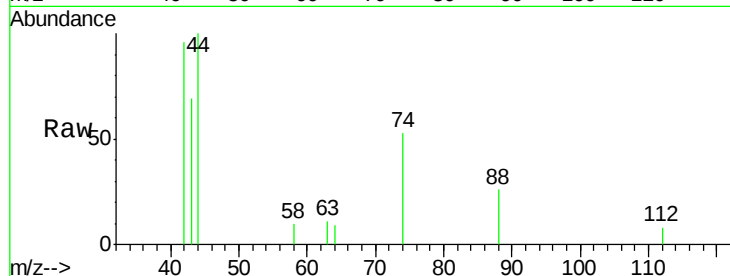


#3

n-Nitrosodimethylamine
 Concen: 0.22 ng
 RT: 3.63 min Scan# 60
 Delta R.T. -0.00 min
 Lab File: BE091861.D
 Acq: 25 May 2016 16:36

Instrument :
 BNA_E
 ClientSampled :

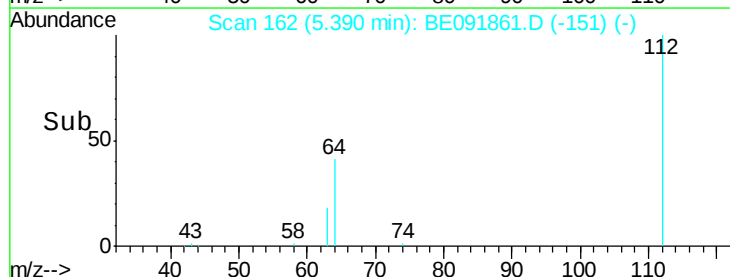
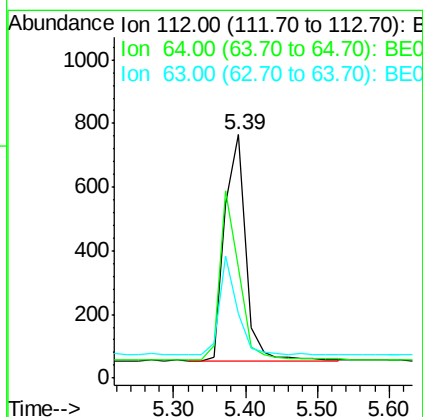
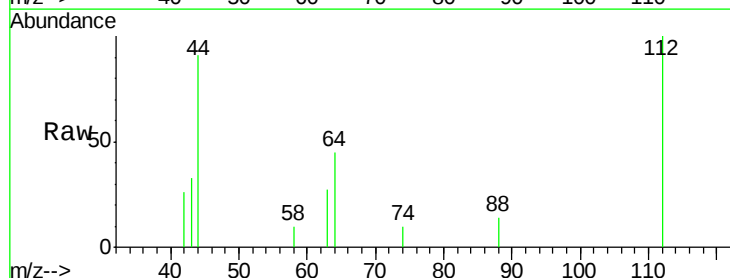
Tot Ion: 42 Resp: 877
 Ion Ratio Lower Upper
 42 100
 74 113.9 93.4 140.0
 44 9.1 5.0 7.6#

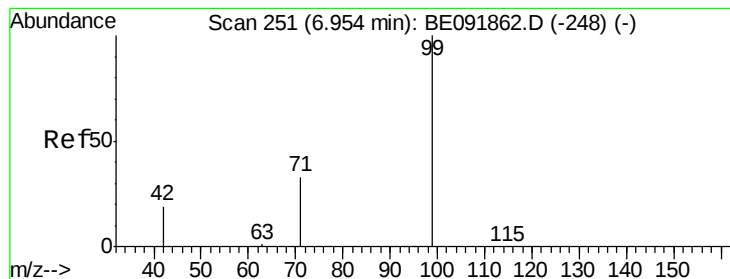


#4

2-Fluorophenol
 Concen: 0.24 ng
 RT: 5.39 min Scan# 162
 Delta R.T. -0.00 min
 Lab File: BE091861.D
 Acq: 25 May 2016 16:36

Tgt Ion: 112 Resp: 1460
 Ion Ratio Lower Upper
 112 100
 64 67.6 53.7 80.5
 63 36.7 29.5 44.3





#5

Phenol-d6

Concen: 0.22 ng

RT: 6.95 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091861.D

Acq: 25 May 2016 16:36

Instrument :

BNA_E

ClientSampleId :

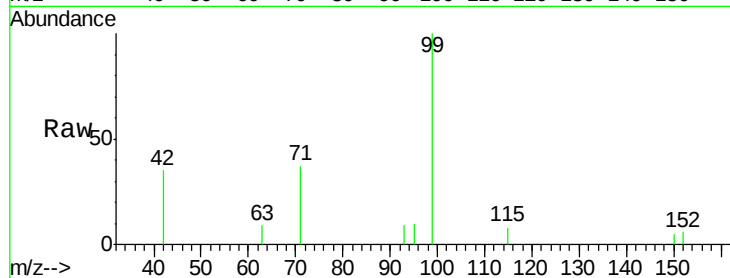
Tot Ion: 99 Resp: 1828

Ion Ratio Lower Upper

99 100

42 24.0 19.6 29.4

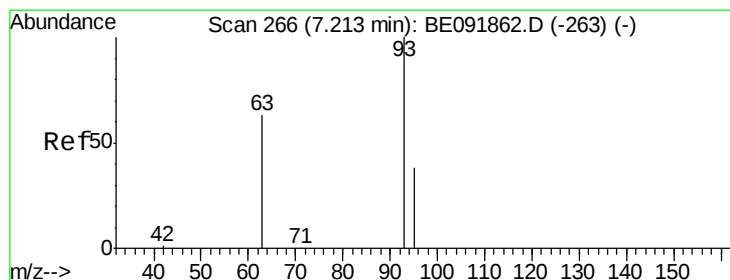
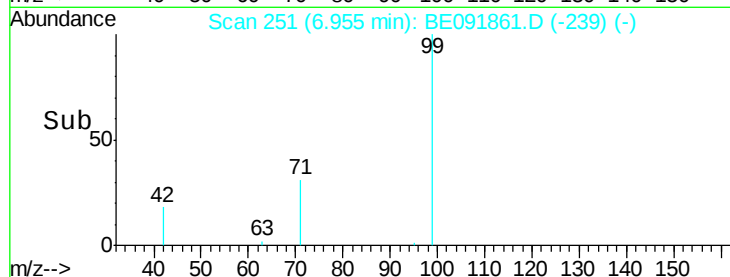
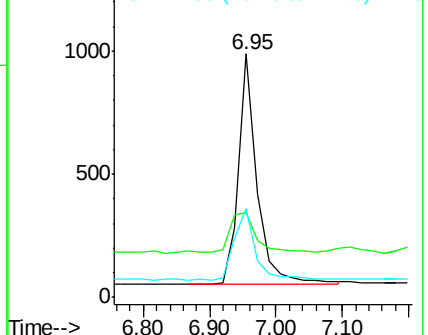
71 35.5 28.1 42.1



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: 0.23 ng

RT: 7.20 min Scan# 265

Delta R.T. -0.02 min

Lab File: BE091861.D

Acq: 25 May 2016 16:36

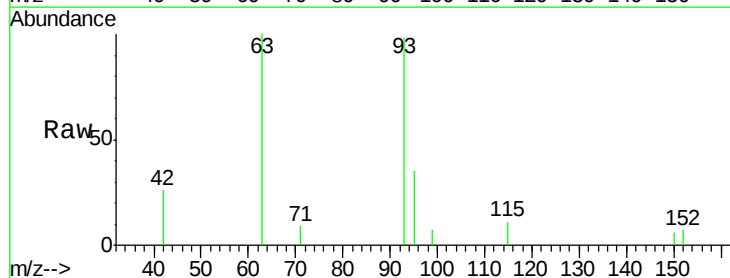
Tgt Ion: 93 Resp: 1552

Ion Ratio Lower Upper

93 100

63 83.4 66.2 99.4

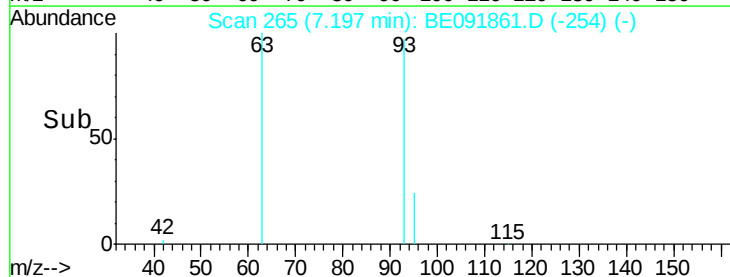
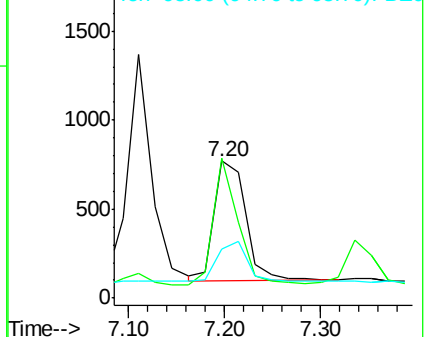
95 30.9 25.5 38.3

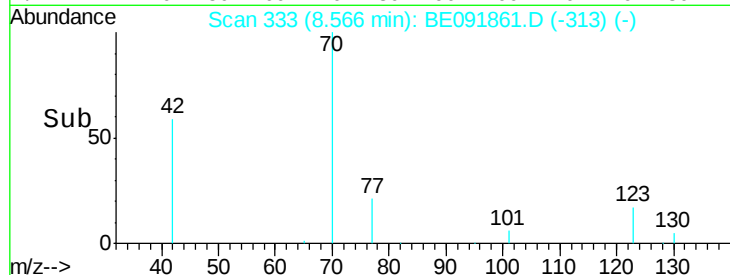
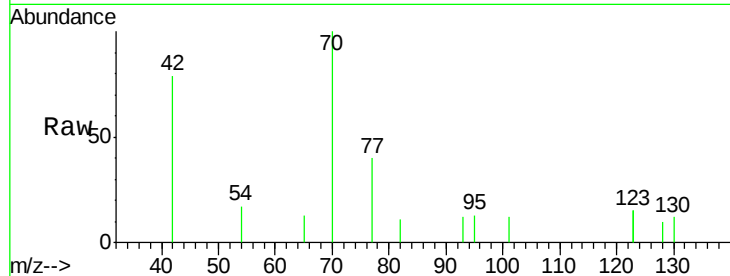
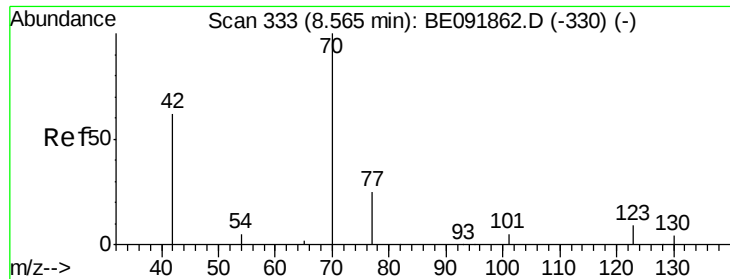


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 0.22 ng

RT: 8.57 min Scan# 333

Delta R.T. 0.00 min

Lab File: BE091861.D

Acq: 25 May 2016 16:36

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 70 Resp: 1382

Ion Ratio Lower Upper

70 100

42 67.0 58.4 87.6

101 8.8 6.4 9.6

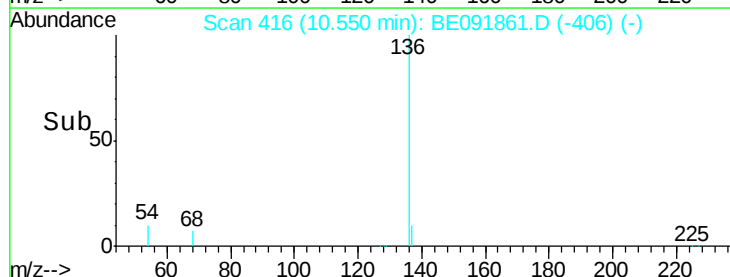
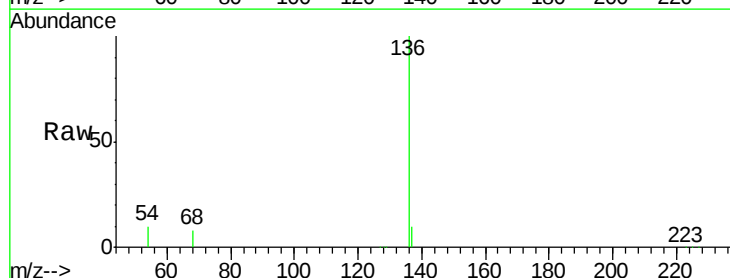
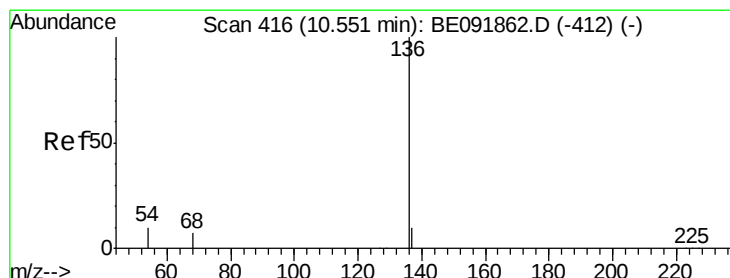
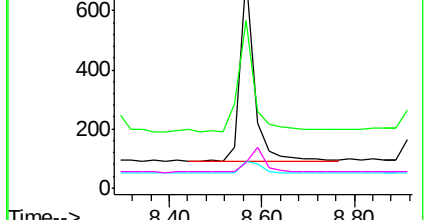
130 0.0 0.0 0.0

Abundance Ion 70.00 (69.70 to 70.70): BE091862.D (-330) (-)

Ion 42.00 (41.70 to 42.70): BE091861.D (-313) (-)

Ion 101.00 (100.70 to 101.70): BE091861.D (-313) (-)

Ion 130.00 (129.70 to 130.70): BE091861.D (-313) (-)



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 416

Delta R.T. -0.00 min

Lab File: BE091861.D

Acq: 25 May 2016 16:36

Tgt Ion: 136 Resp: 103629

Ion Ratio Lower Upper

136 100

137 10.3 8.3 12.5

54 10.5 8.2 12.4

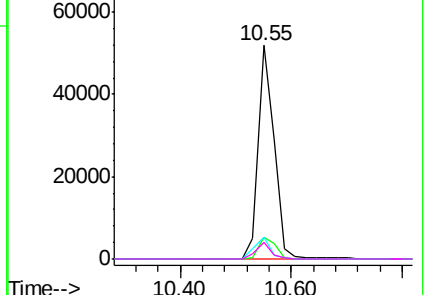
68 7.6 5.9 8.9

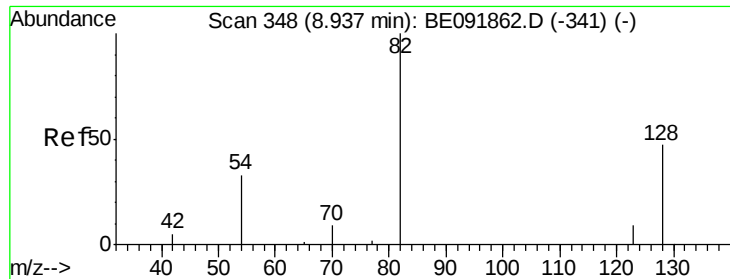
Abundance Ion 136.00 (135.70 to 136.70): BE091862.D (-412) (-)

Ion 137.00 (136.70 to 137.70): BE091861.D (-406) (-)

Ion 54.00 (53.70 to 54.70): BE091861.D (-406) (-)

Ion 68.00 (67.70 to 68.70): BE091861.D (-406) (-)





#9

Nitrobenzene-d5

Concen: 0.23 ng

RT: 8.94 min Scan# 348

Delta R.T. 0.00 min

Lab File: BE091861.D

Acq: 25 May 2016 16:36

Instrument :

BNA_E

ClientSampleId :

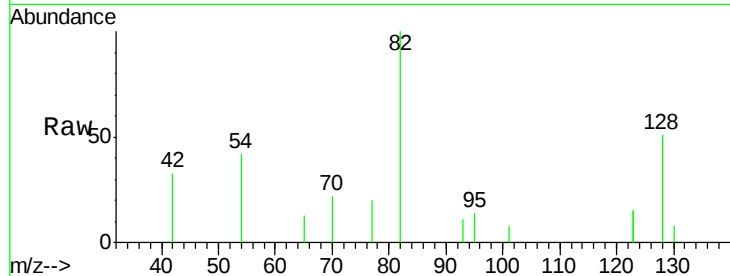
Tot Ion: 82 Resp: 1879

Ion Ratio Lower Upper

82 100

128 50.8 39.5 59.3

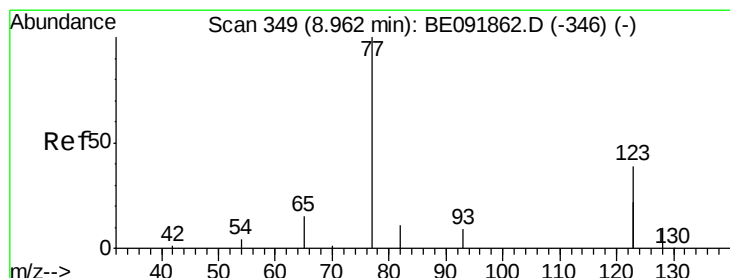
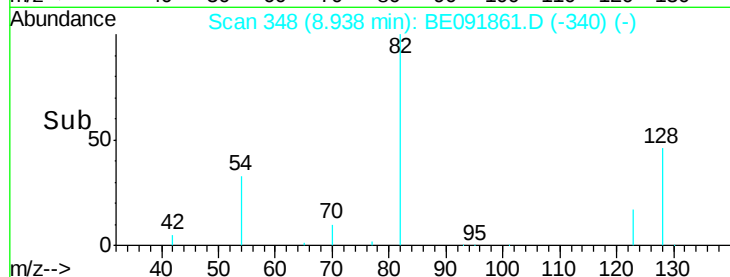
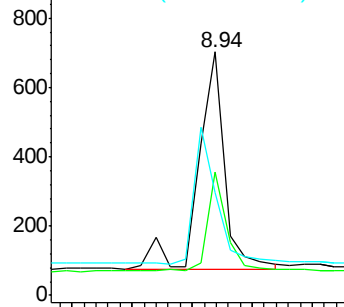
54 42.4 30.3 45.5



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 0.22 ng

RT: 8.96 min Scan# 349

Delta R.T. 0.00 min

Lab File: BE091861.D

Acq: 25 May 2016 16:36

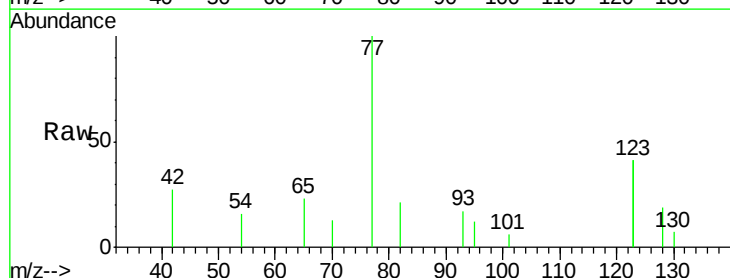
Tgt Ion: 77 Resp: 1696

Ion Ratio Lower Upper

77 100

123 0.0 0.0 0.0

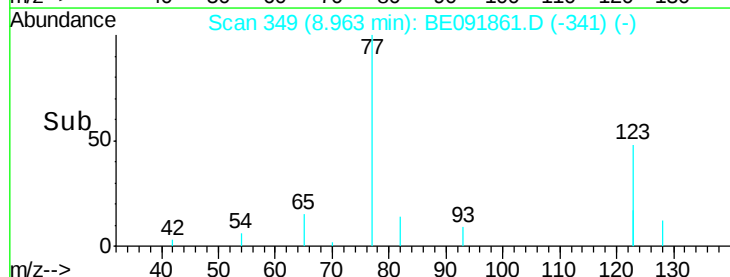
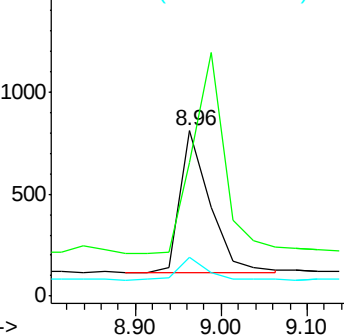
65 14.4 11.1 16.7

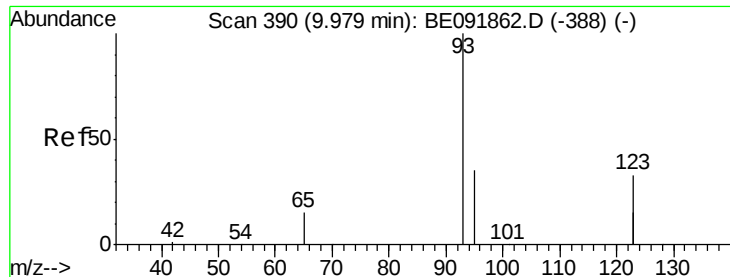


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

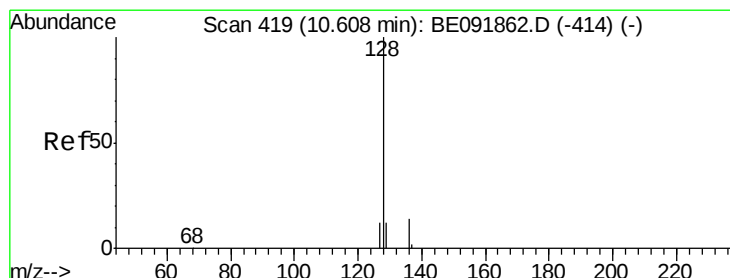
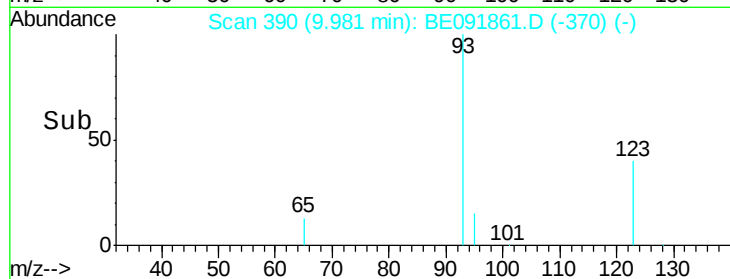
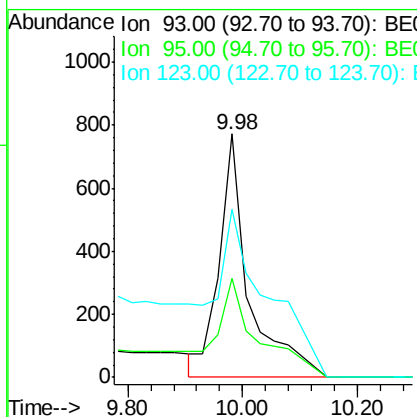
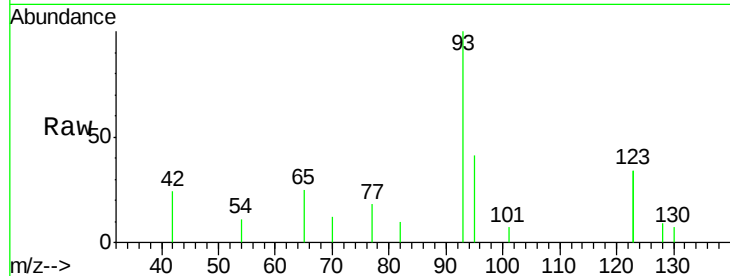




#11
bis(2-Chloroethoxy)methane
Concen: 0.34 ng
RT: 9.98 min Scan# 390
Delta R.T. 0.00 min
Lab File: BE091861.D
Acq: 25 May 2016 16:36

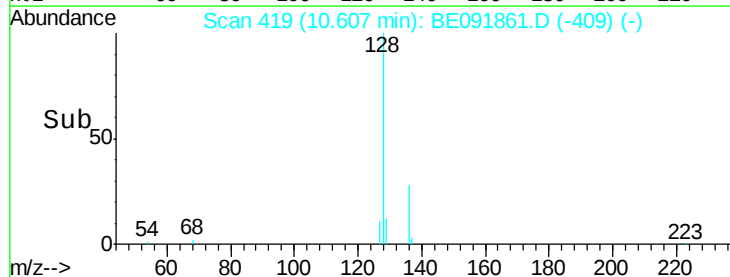
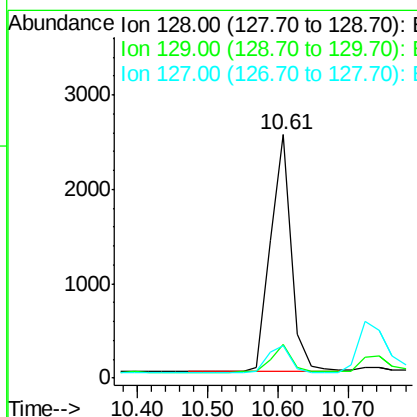
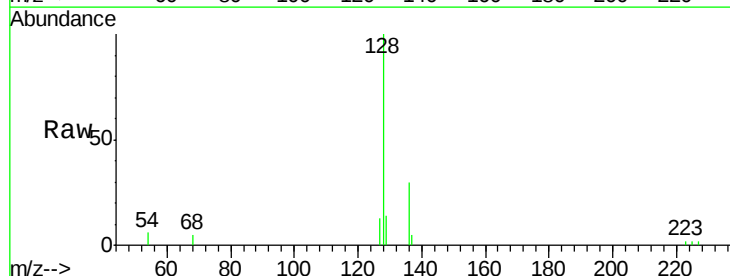
Instrument :
BNA_E
ClientSampleId :

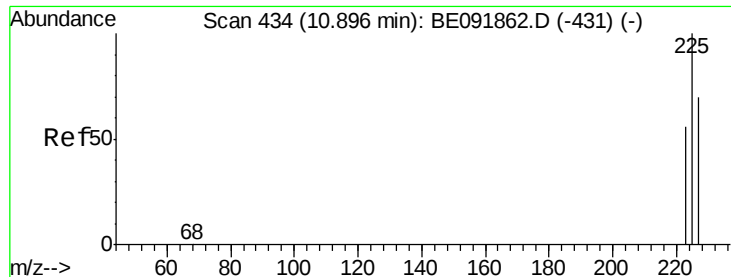
Tot Ion: 93 Resp: 3079
Ion Ratio Lower Upper
93 100
95 55.1 57.6 86.4#
123 106.1 100.2 150.4



#12
Naphthalene
Concen: 0.25 ng
RT: 10.61 min Scan# 419
Delta R.T. -0.00 min
Lab File: BE091861.D
Acq: 25 May 2016 16:36

Tgt Ion: 128 Resp: 5117
Ion Ratio Lower Upper
128 100
129 13.9 10.4 15.6
127 13.2 10.2 15.2

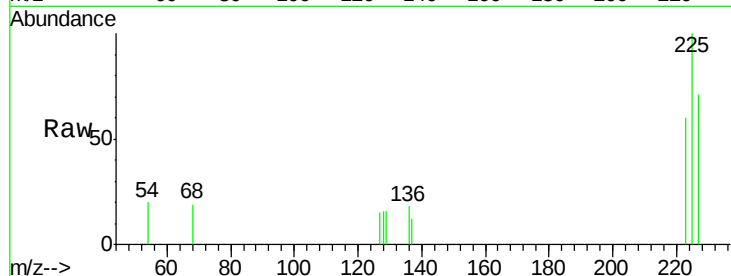




#13
Hexachlorobutadiene
Concen: 0.25 ng
RT: 10.90 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE091861.D
Acq: 25 May 2016 16:36

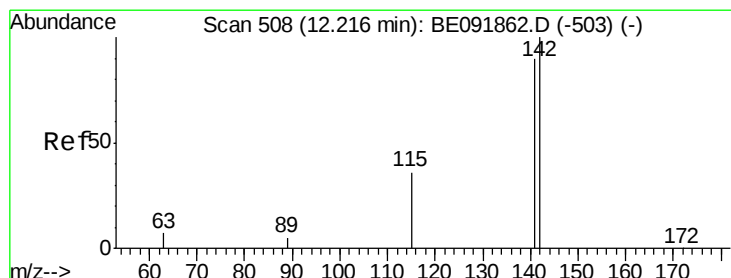
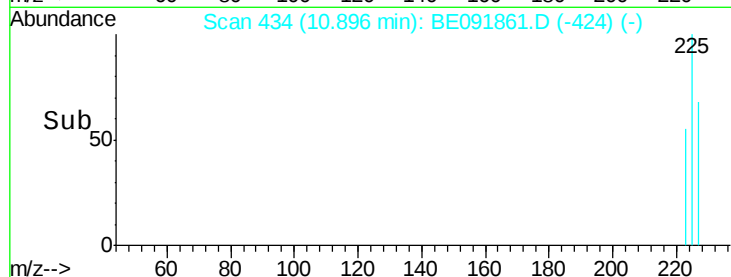
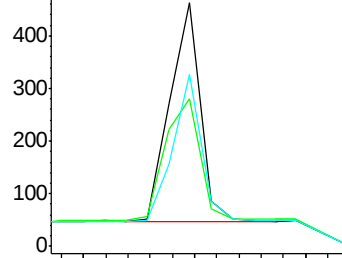
Instrument :
BNA_E
ClientSampleId :

Tot Ion:225 Resp: 794
Ion Ratio Lower Upper
225 100
223 63.6 49.8 74.8
227 62.7 50.6 75.8



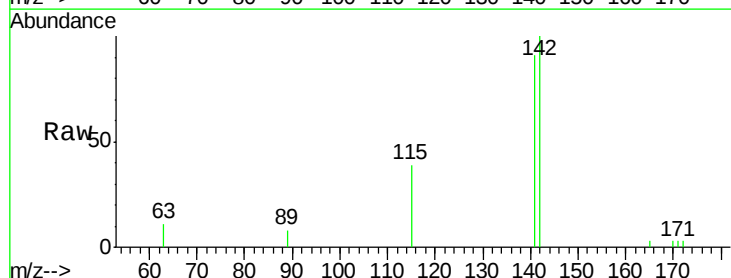
Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

10.90



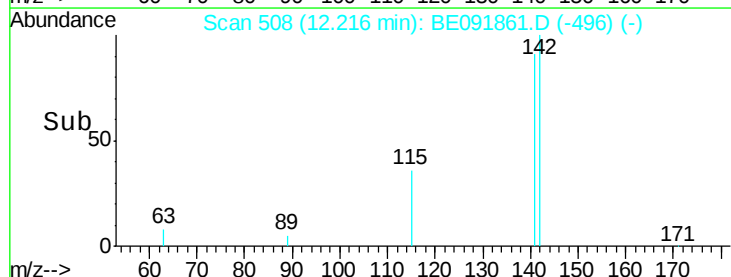
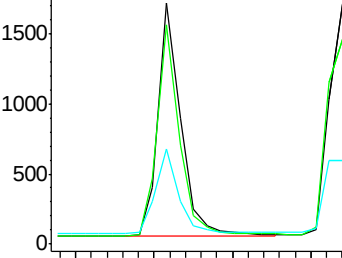
#14
2-Methylnaphthalene
Concen: 0.24 ng
RT: 12.22 min Scan# 508
Delta R.T. -0.00 min
Lab File: BE091861.D
Acq: 25 May 2016 16:36

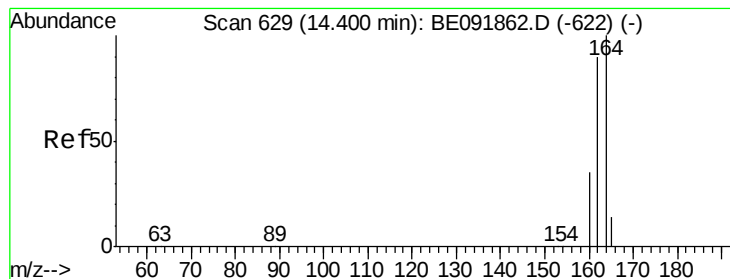
Tgt Ion:142 Resp: 3363
Ion Ratio Lower Upper
142 100
141 90.8 71.9 107.9
115 39.4 29.9 44.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

12.22





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 629

Delta R.T. -0.00 min

Lab File: BE091861.D

Acq: 25 May 2016 16:36

Instrument :

BNA_E

ClientSampleId :

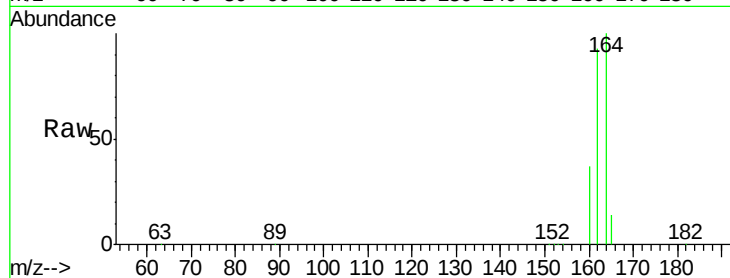
Tot Ion:164 Resp: 63804

Ion Ratio Lower Upper

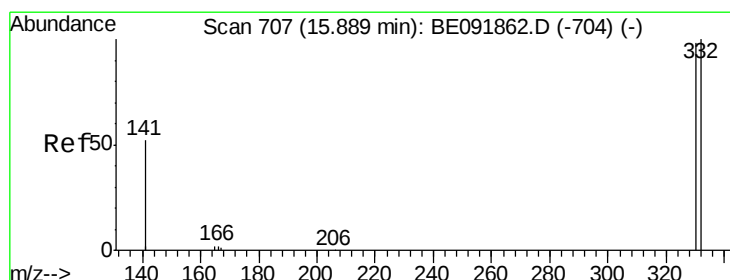
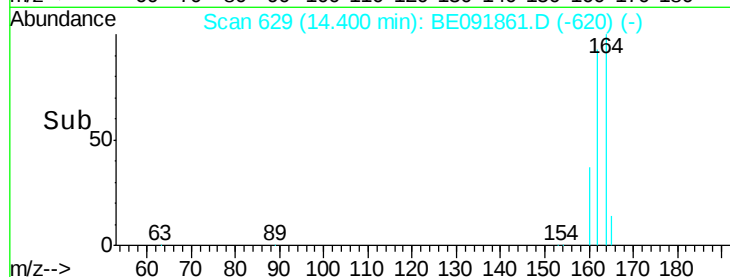
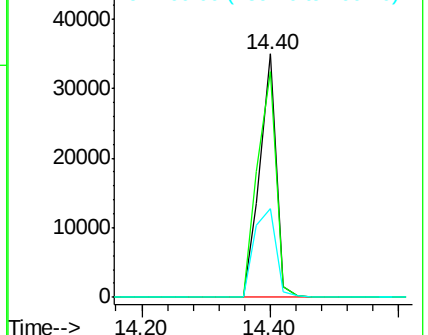
164 100

162 92.9 71.8 107.8

160 36.6 28.0 42.0



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



#16

2,4,6-Tribromophenol

Concen: 0.23 ng

RT: 15.89 min Scan# 707

Delta R.T. 0.00 min

Lab File: BE091861.D

Acq: 25 May 2016 16:36

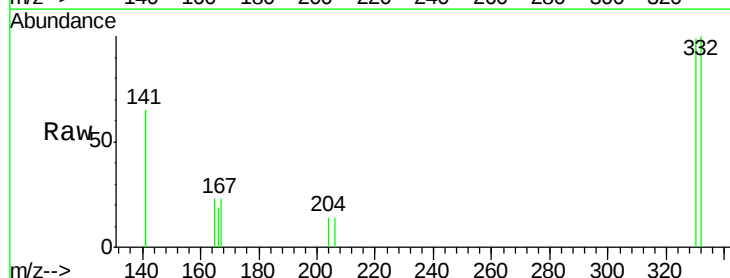
Tgt Ion:330 Resp: 624

Ion Ratio Lower Upper

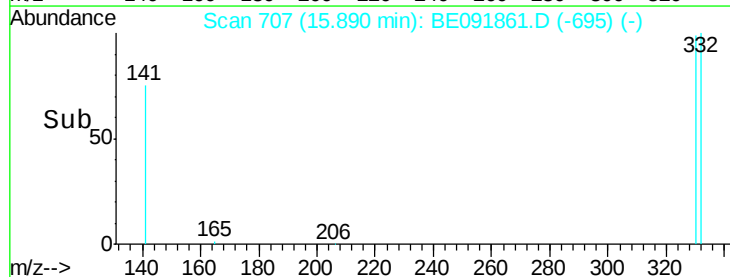
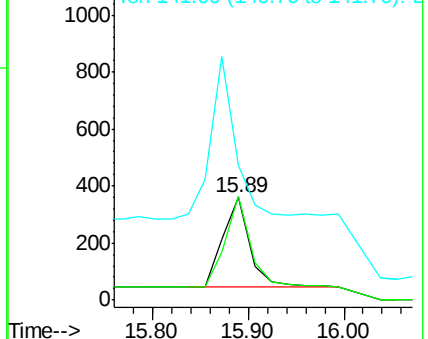
330 100

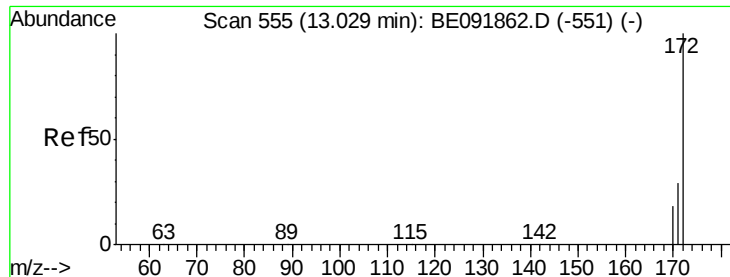
332 95.7 77.0 115.6

141 166.7 138.4 207.6



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

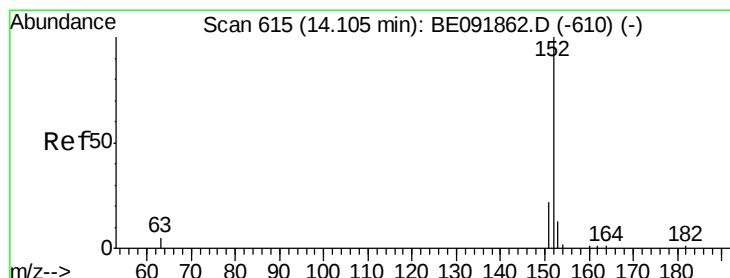
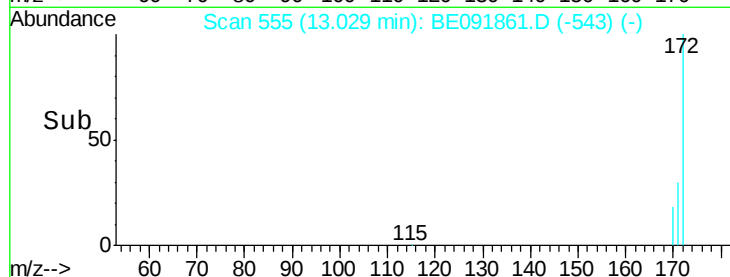
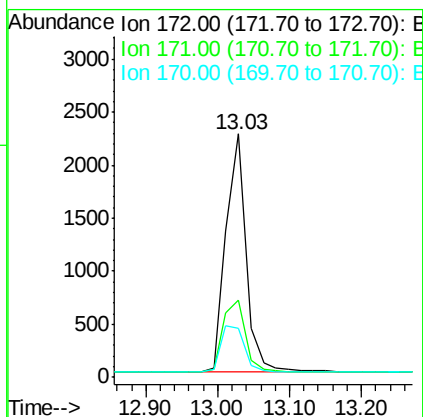
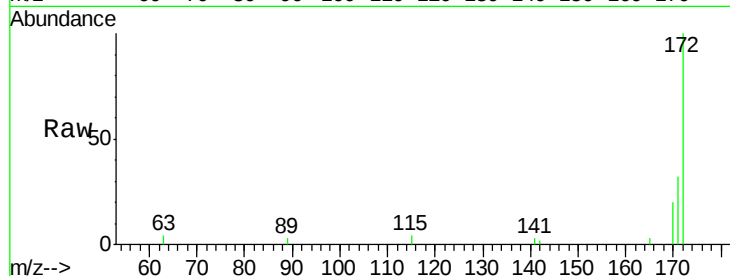




#17
2-Fluorobiphenyl
Concen: 0.25 ng
RT: 13.03 min Scan# 555
Delta R.T. -0.00 min
Lab File: BE091861.D
Acq: 25 May 2016 16:36

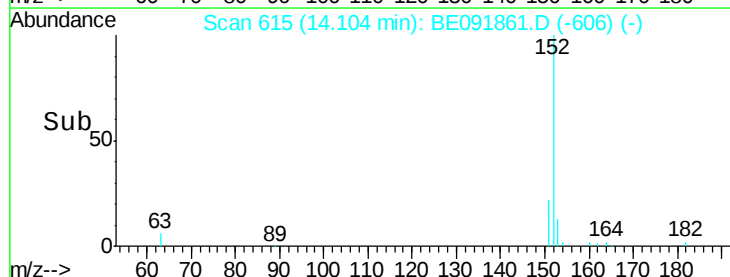
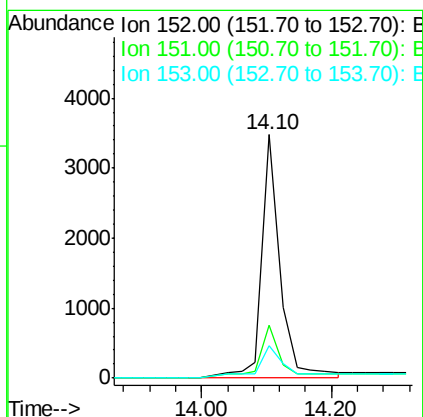
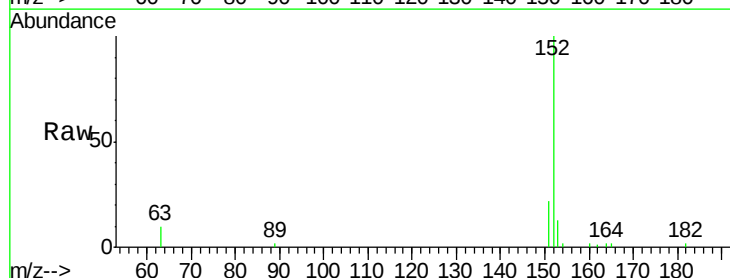
Instrument :
BNA_E
ClientSampleId :

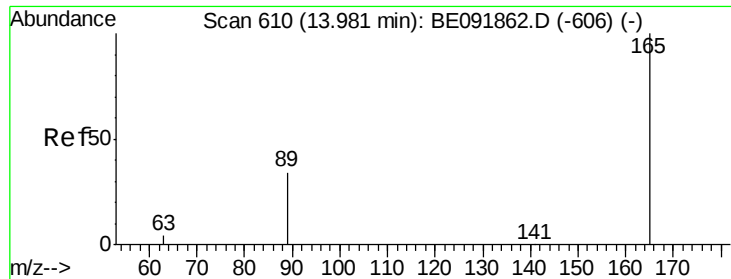
Tot Ion:172 Resp: 4418
Ion Ratio Lower Upper
172 100
171 31.8 24.3 36.5
170 20.1 14.9 22.3



#18
Acenaphthylene
Concen: 0.26 ng
RT: 14.10 min Scan# 615
Delta R.T. -0.00 min
Lab File: BE091861.D
Acq: 25 May 2016 16:36

Tgt Ion:152 Resp: 7351
Ion Ratio Lower Upper
152 100
151 26.5 19.4 29.2
153 20.9 14.4 21.6

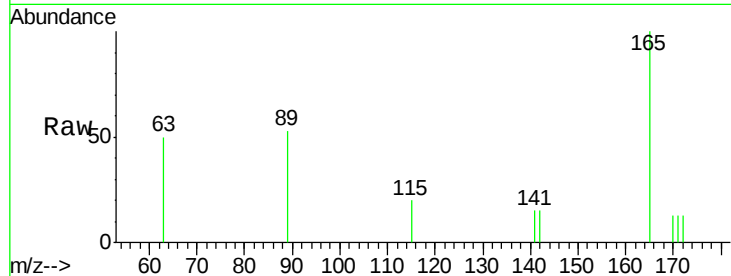




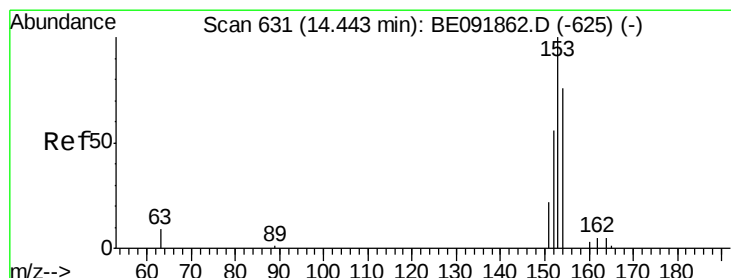
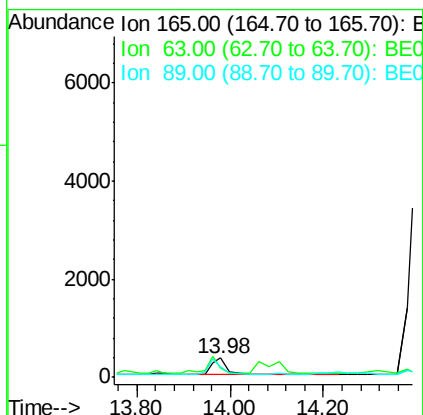
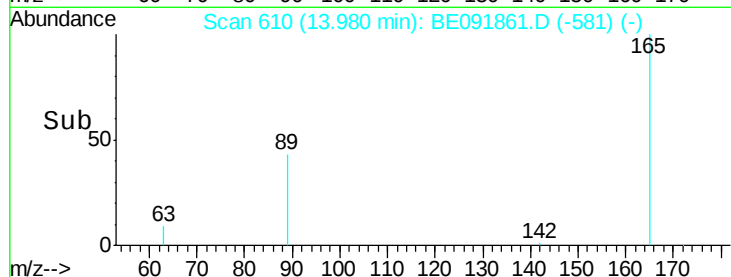
#19
2,6-Dinitrotoluene
Concen: 0.19 ng
RT: 13.98 min Scan# 610
Delta R.T. -0.00 min
Lab File: BE091861.D
Acq: 25 May 2016 16:36

Instrument :
BNA_E
ClientSampleId :

Tot Ion:165 Resp: 841
Ion Ratio Lower Upper
165 100
63 97.7 65.9 98.9
89 79.1 59.1 88.7

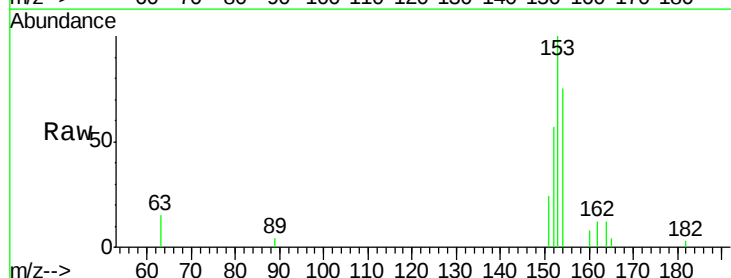


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0

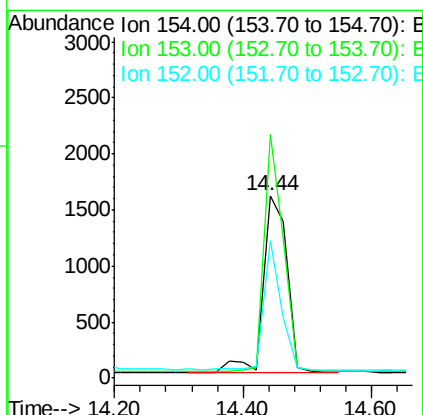
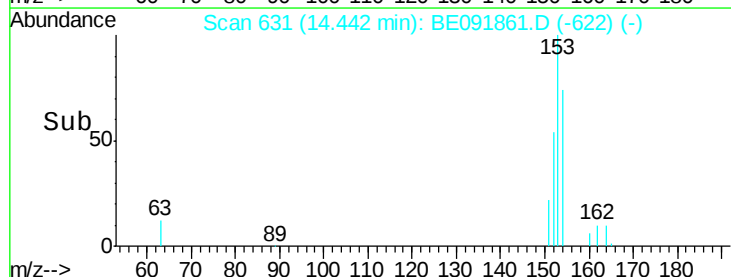


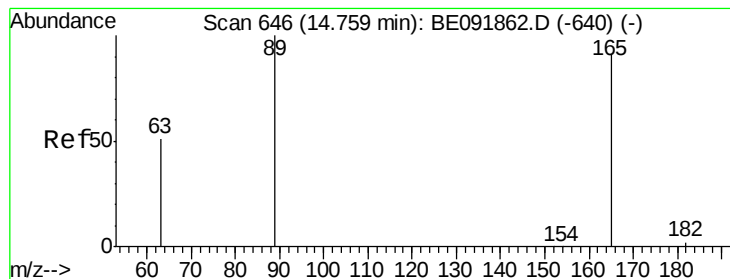
#20
Acenaphthene
Concen: 0.26 ng
RT: 14.44 min Scan# 631
Delta R.T. -0.00 min
Lab File: BE091861.D
Acq: 25 May 2016 16:36

Tgt Ion:154 Resp: 4056
Ion Ratio Lower Upper
154 100
153 106.1 88.1 132.1
152 52.8 44.2 66.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 0.17 ng

RT: 14.78 min Scan# 647

Delta R.T. 0.02 min

Lab File: BE091861.D

Acq: 25 May 2016 16:36

Instrument :

BNA_E

ClientSampleId :

Tot Ion:165 Resp: 874

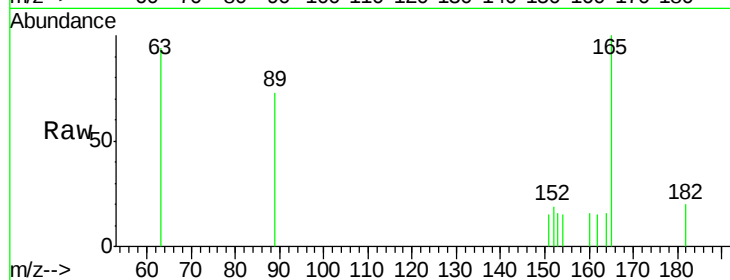
Ion Ratio Lower Upper

165 100

63 103.8 0.0 0.0#

89 0.0 99.8 149.8#

182 0.0 0.0 0.0

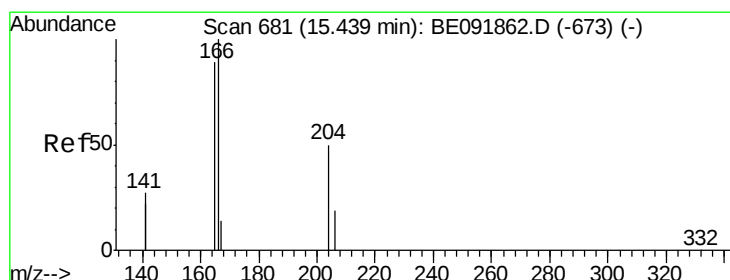
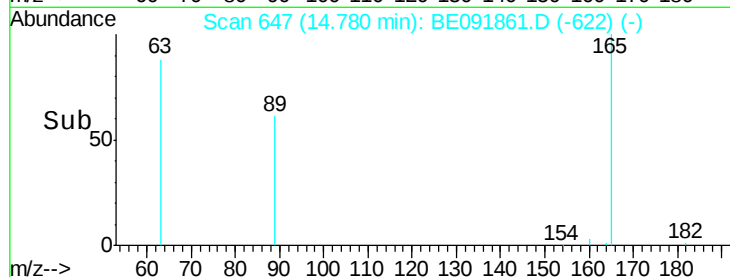
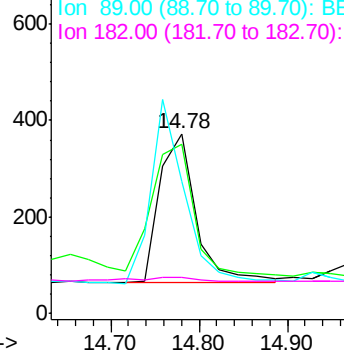


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E



#22

Fluorene

Concen: 0.25 ng

RT: 15.44 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE091861.D

Acq: 25 May 2016 16:36

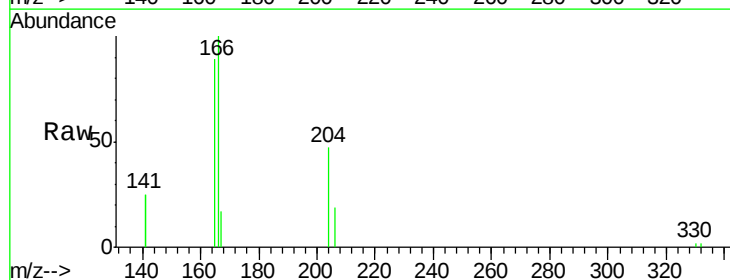
Tgt Ion:166 Resp: 5072

Ion Ratio Lower Upper

166 100

165 99.0 78.6 117.8

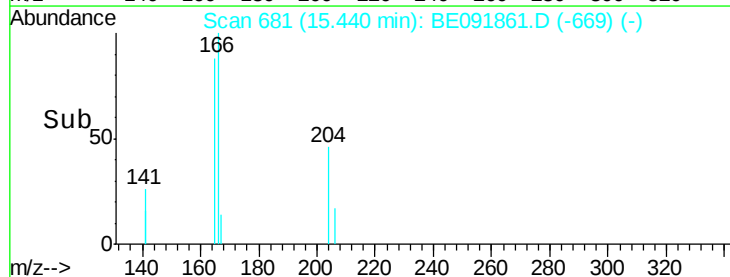
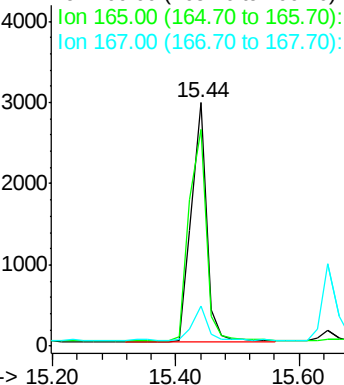
167 13.5 10.8 16.2

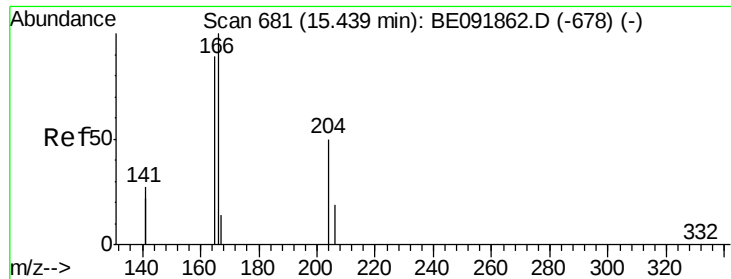


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

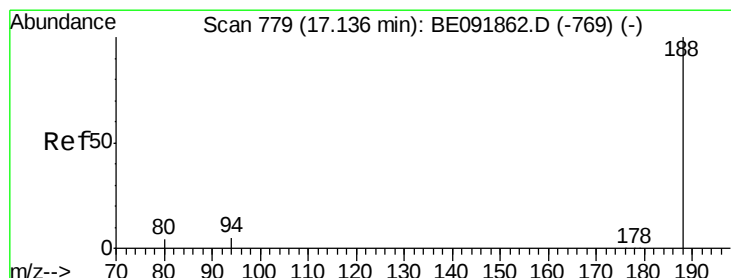
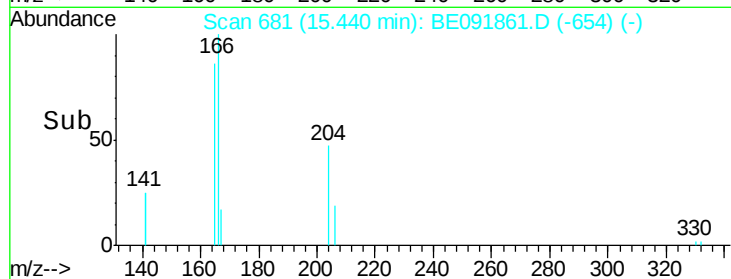
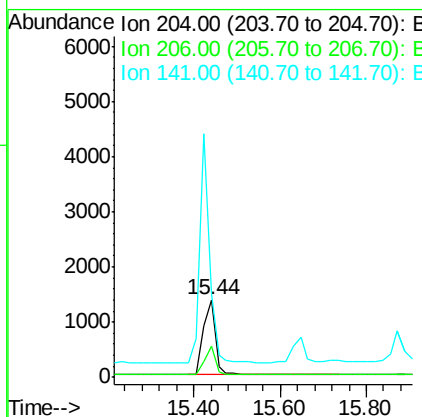
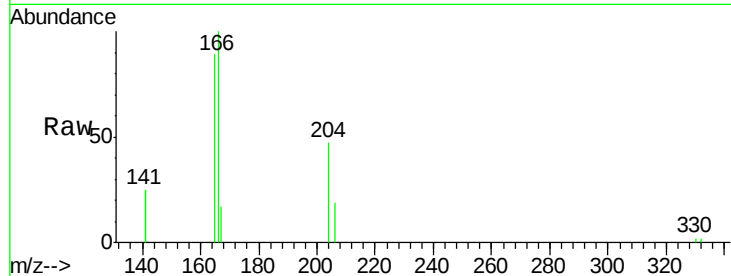




#23
4-Chlorophenyl-phenylether
Concen: 0.26 ng
RT: 15.44 min Scan# 681
Delta R.T. 0.00 min
Lab File: BE091861.D
Acq: 25 May 2016 16:36

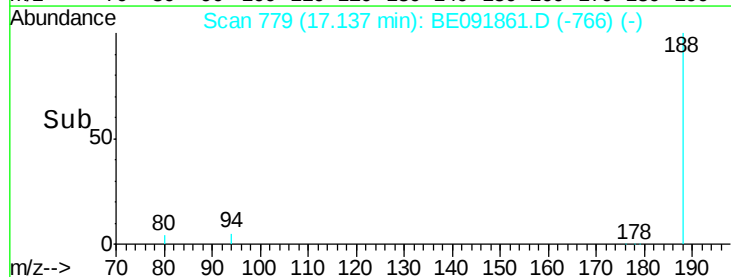
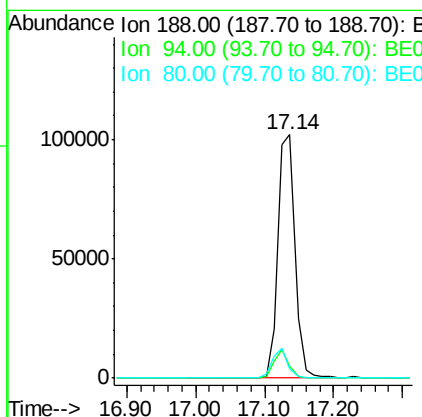
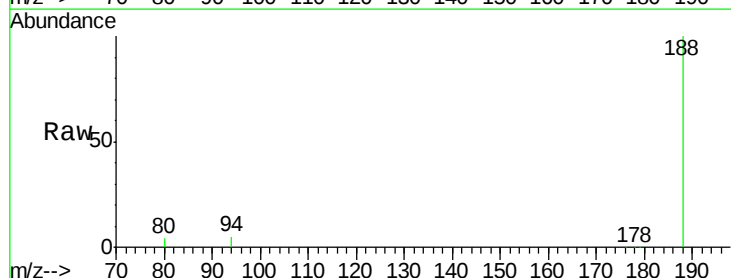
Instrument :
BNA_E
ClientSampled :

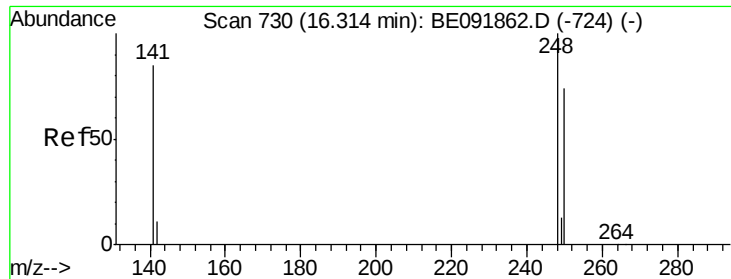
Tot Ion:204 Resp: 2603
Ion Ratio Lower Upper
204 100
206 33.3 27.8 41.6
141 249.0 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 779
Delta R.T. 0.00 min
Lab File: BE091861.D
Acq: 25 May 2016 16:36

Tgt Ion:188 Resp: 205486
Ion Ratio Lower Upper
188 100
94 4.8 4.1 6.1
80 3.9 3.4 5.2

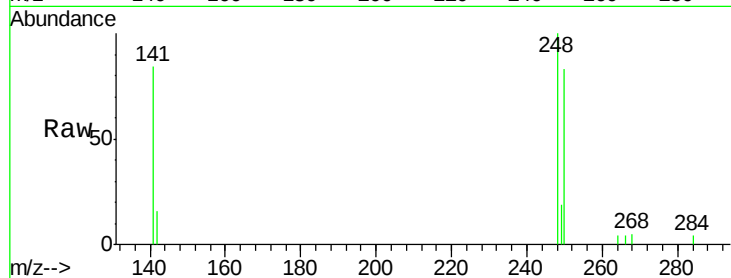




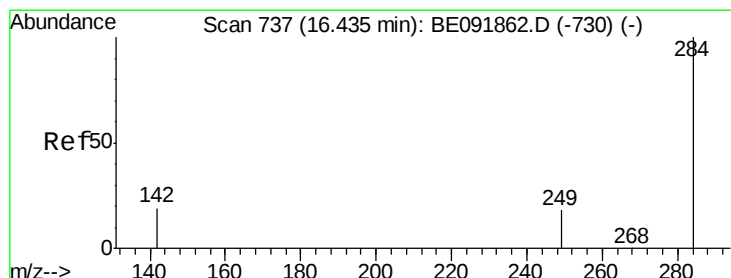
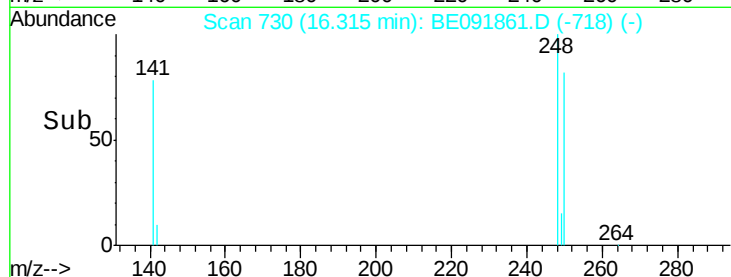
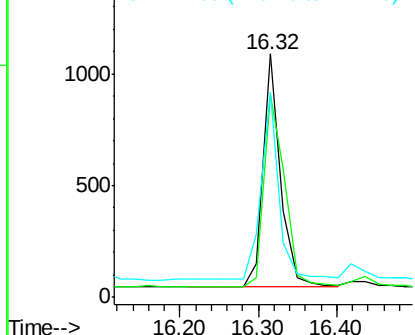
#25
4-Bromophenyl-phenylether
Concen: 0.24 ng
RT: 16.32 min Scan# 730
Delta R.T. 0.00 min
Lab File: BE091861.D
Acq: 25 May 2016 16:36

Instrument :
BNA_E
ClientSampled :

Tot Ion:248 Resp: 1620
Ion Ratio Lower Upper
248 100
250 96.6 75.7 113.5
141 80.5 64.6 97.0

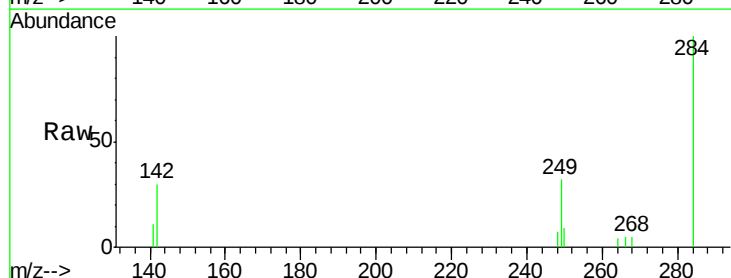


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

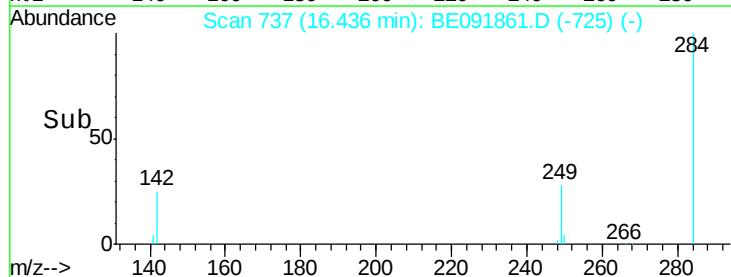
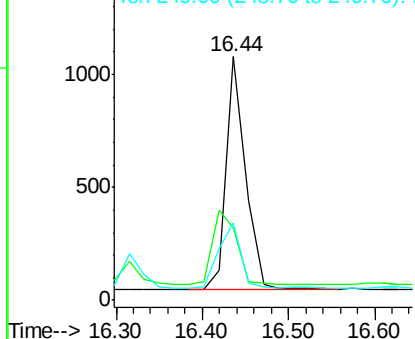


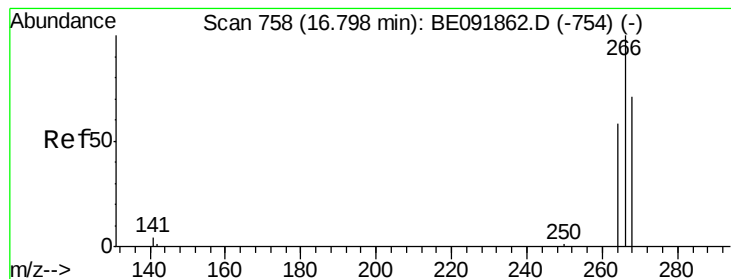
#26
Hexachlorobenzene
Concen: 0.25 ng
RT: 16.44 min Scan# 737
Delta R.T. 0.00 min
Lab File: BE091861.D
Acq: 25 May 2016 16:36

Tgt Ion:284 Resp: 1597
Ion Ratio Lower Upper
284 100
142 40.9 31.4 47.2
249 31.7 25.3 37.9



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





#27

Pentachlorophenol

Concen: 0.18 ng

RT: 16.80 min Scan# 758

Delta R.T. 0.00 min

Lab File: BE091861.D

Acq: 25 May 2016 16:36

Instrument :

BNA_E

ClientSampleId :

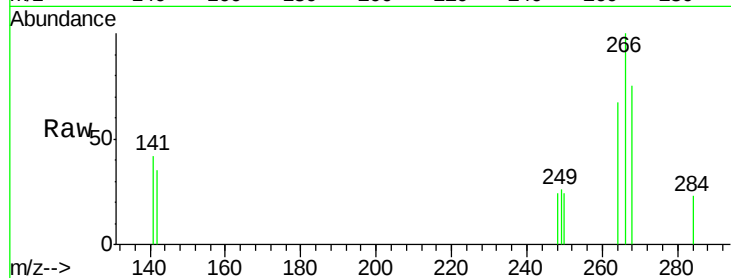
Tot Ion:266 Resp: 517

Ion Ratio Lower Upper

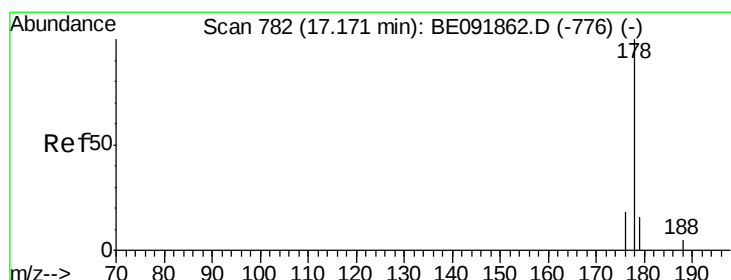
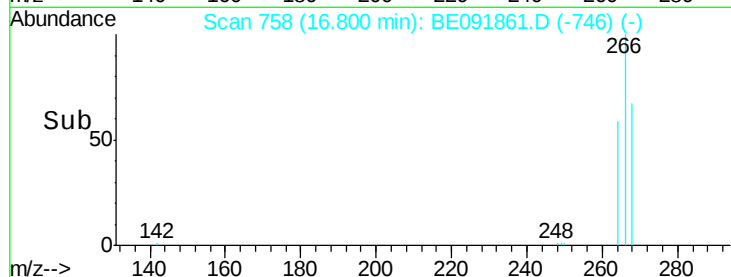
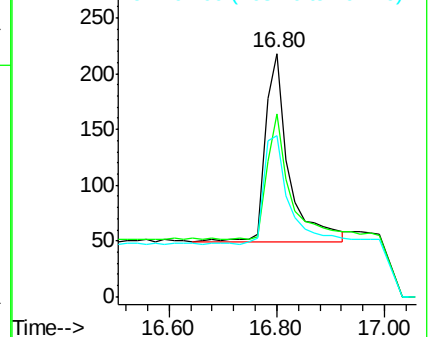
266 100

268 75.2 60.5 90.7

264 66.5 51.0 76.4



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



#28

Phenanthrene

Concen: 0.26 ng

RT: 17.17 min Scan# 782

Delta R.T. 0.00 min

Lab File: BE091861.D

Acq: 25 May 2016 16:36

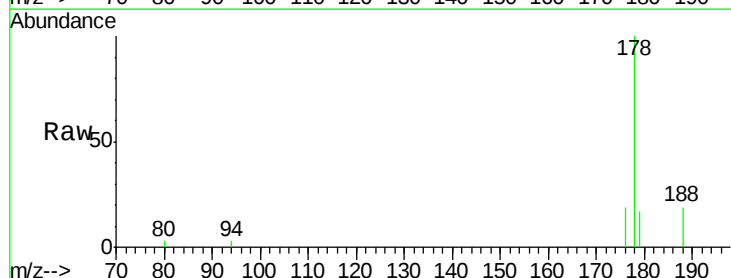
Tgt Ion:178 Resp: 10097

Ion Ratio Lower Upper

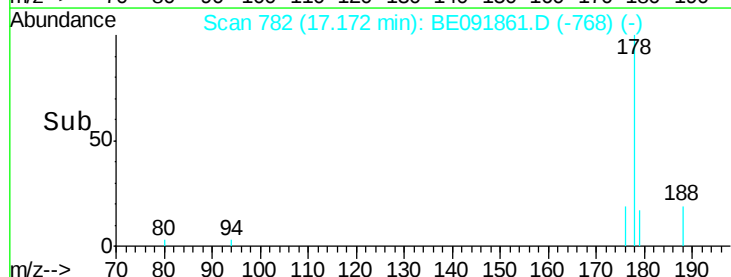
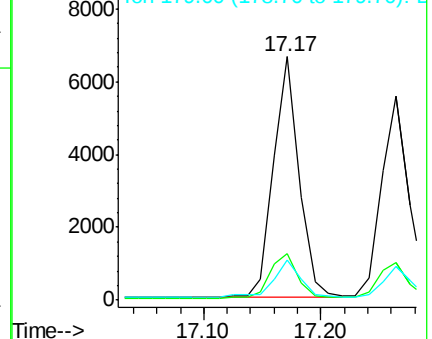
178 100

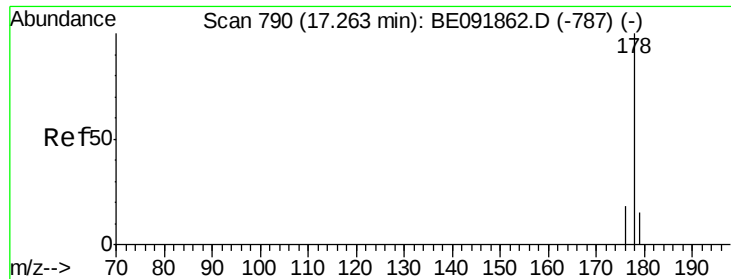
176 19.1 15.4 23.2

179 16.6 12.9 19.3



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





#29

Anthracene

Concen: 0.24 ng

RT: 17.26 min Scan# 790

Delta R.T. 0.00 min

Lab File: BE091861.D

Acq: 25 May 2016 16:36

Instrument :

BNA_E

ClientSampleId :

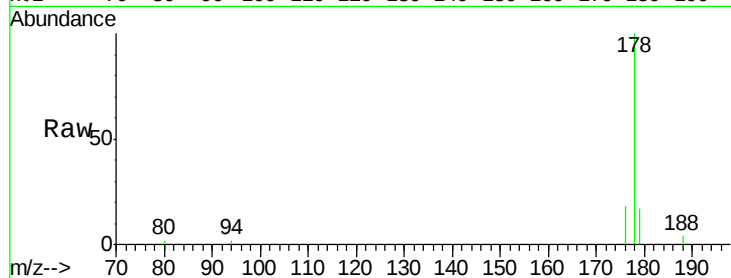
Tot Ion:178 Resp: 9081

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

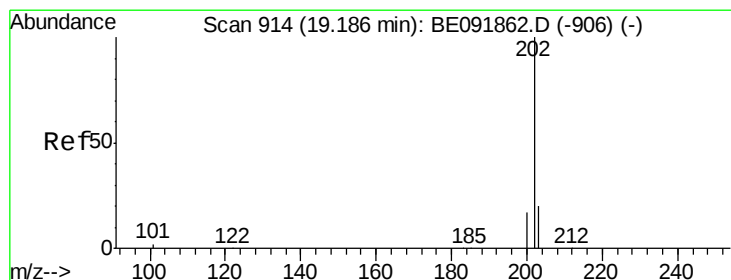
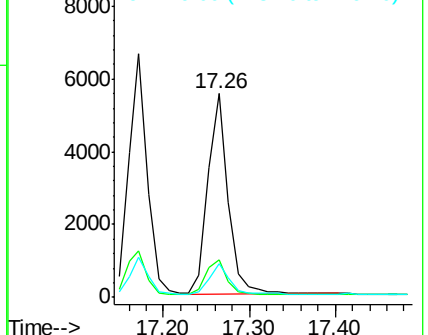
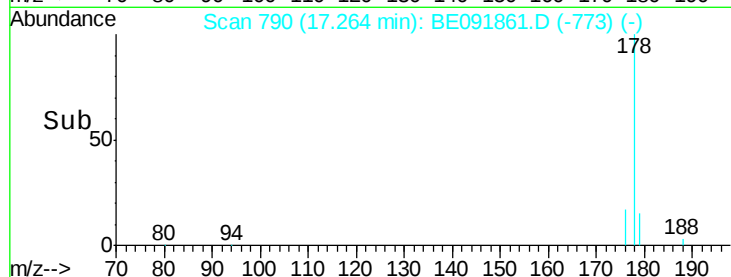
179 15.2 12.1 18.1



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



#30

Fluoranthene

Concen: 0.26 ng

RT: 19.19 min Scan# 914

Delta R.T. 0.00 min

Lab File: BE091861.D

Acq: 25 May 2016 16:36

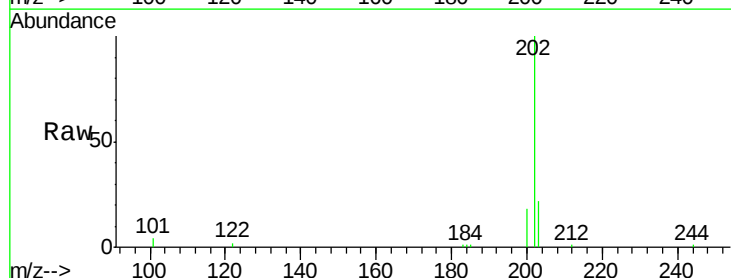
Tgt Ion:202 Resp: 11827

Ion Ratio Lower Upper

202 100

101 10.9 9.4 14.0

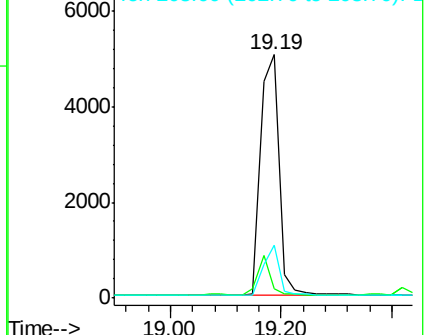
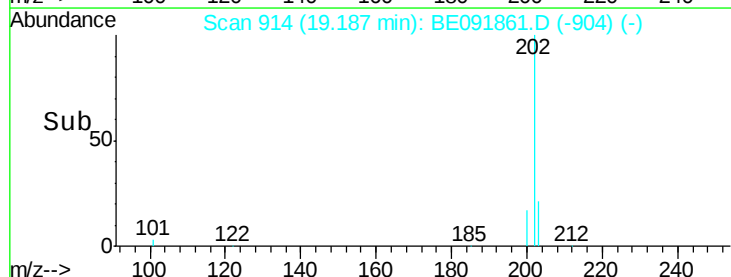
203 17.8 14.3 21.5

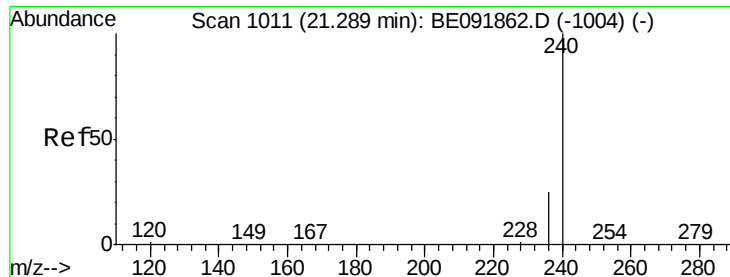


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

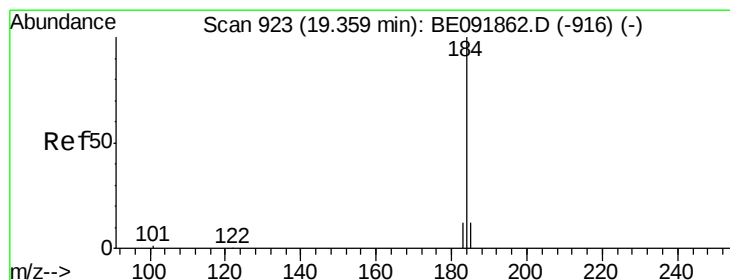
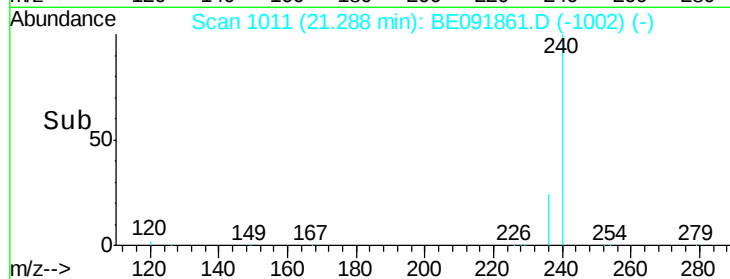
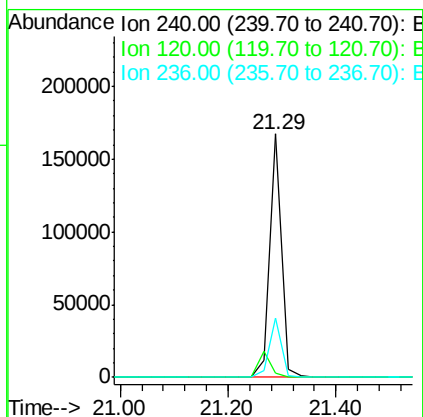
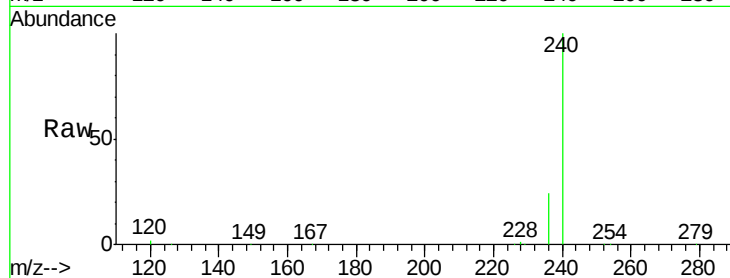




#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BE091861.D
Acq: 25 May 2016 16:36

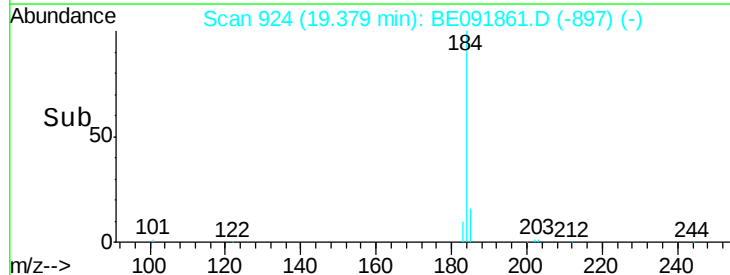
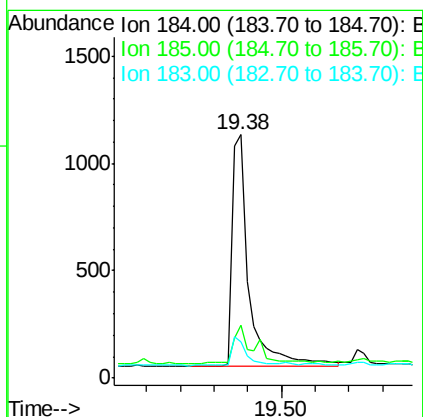
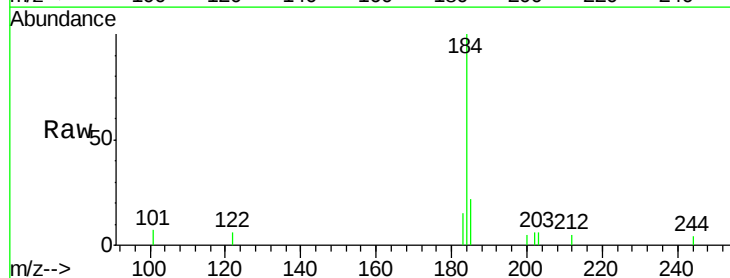
Instrument :
BNA_E
ClientSampleId :

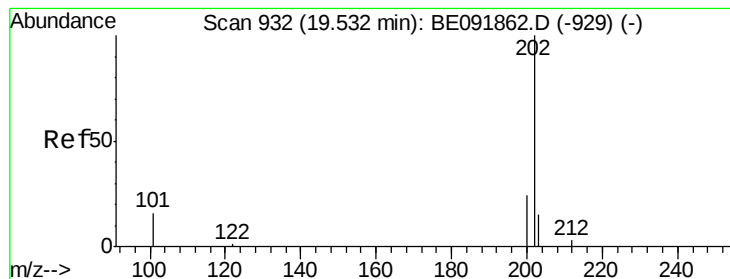
Tot Ion:240 Resp: 257785
Ion Ratio Lower Upper
240 100
120 1.6 1.2 1.8
236 24.4 19.8 29.8



#32
Benzidine
Concen: 0.19 ng
RT: 19.38 min Scan# 924
Delta R.T. 0.02 min
Lab File: BE091861.D
Acq: 25 May 2016 16:36

Tgt Ion:184 Resp: 3811
Ion Ratio Lower Upper
184 100
185 21.5 11.4 17.2#
183 14.7 11.8 17.6





#33

Pvrene

Concen: 0.26 ng

RT: 19.53 min Scan# 932

Delta R.T. 0.00 min

Lab File: BE091861.D

Acq: 25 May 2016 16:36

Instrument :

BNA_E

ClientSampleId :

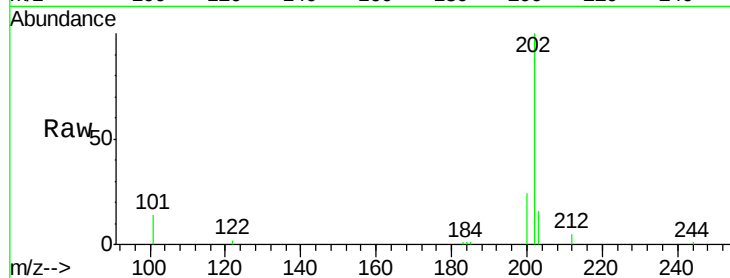
Tot Ion:202 Resp: 12709

Ion Ratio Lower Upper

202 100

200 21.6 16.9 25.3

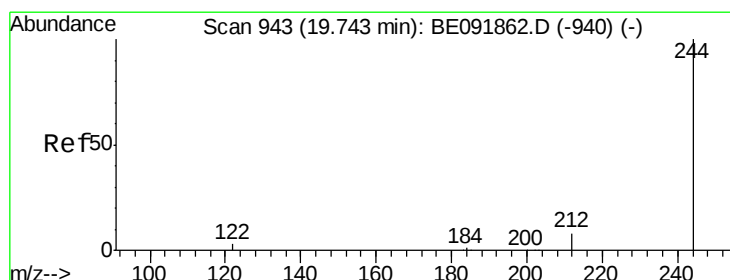
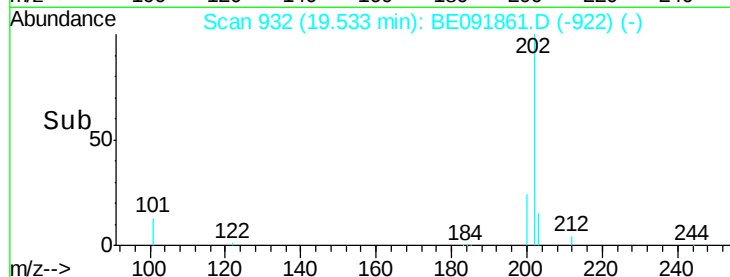
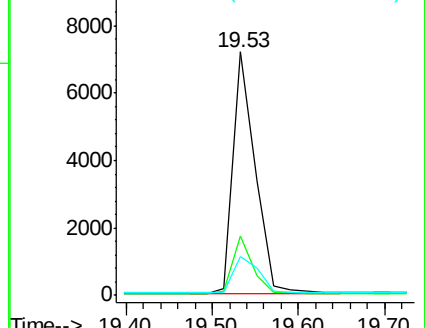
203 17.5 14.1 21.1



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



#34

Terphenyl-d14

Concen: 0.25 ng

RT: 19.74 min Scan# 943

Delta R.T. 0.00 min

Lab File: BE091861.D

Acq: 25 May 2016 16:36

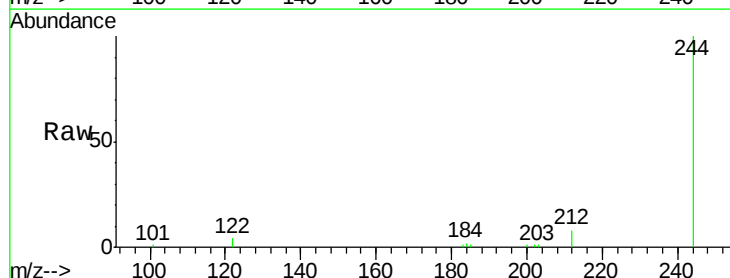
Tgt Ion:244 Resp: 8842

Ion Ratio Lower Upper

244 100

212 8.4 6.5 9.7

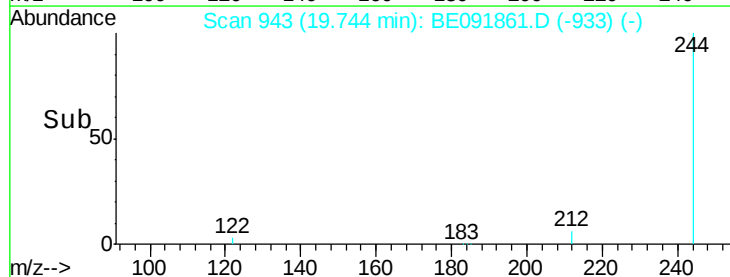
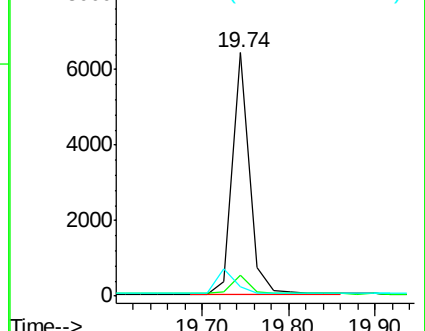
122 4.0 2.9 4.3

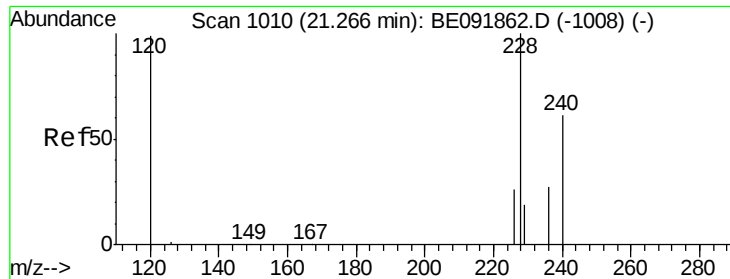


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

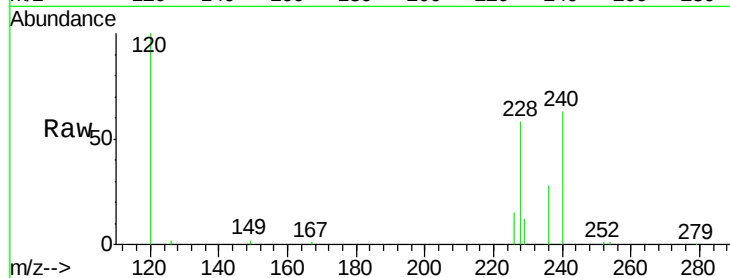




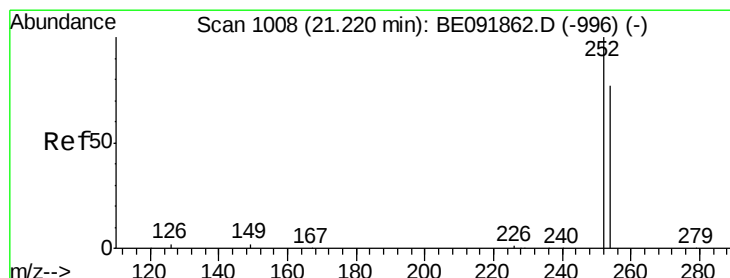
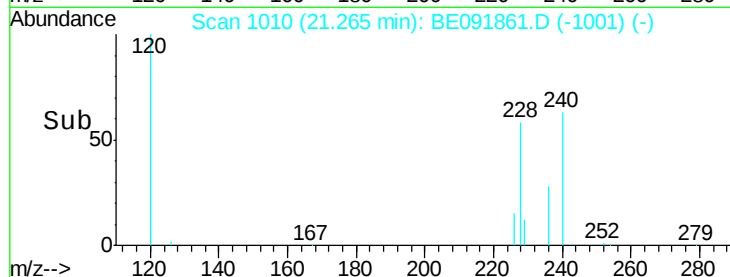
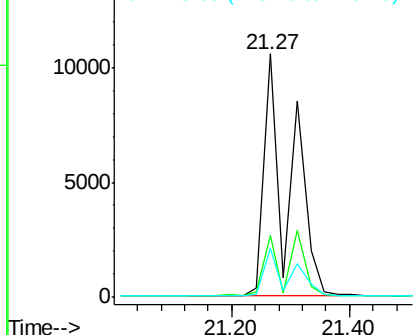
#35
Benzo(a)anthracene
Concen: 0.37 ng
RT: 21.27 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BE091861.D
Acq: 25 May 2016 16:36

Instrument :
BNA_E
ClientSampleId :

Tot Ion:228 Resp: 30956
Ion Ratio Lower Upper
228 100
226 25.5 21.0 31.4
229 20.4 15.8 23.8

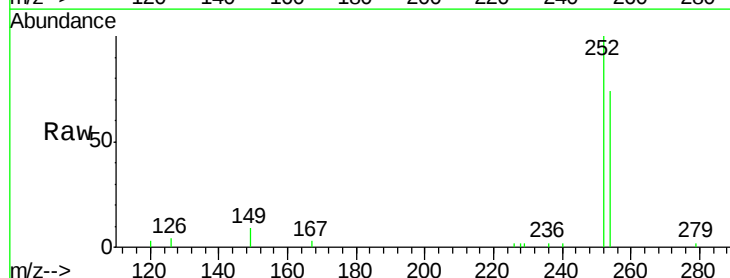


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

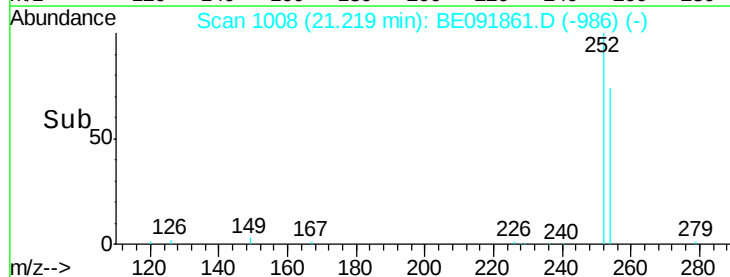
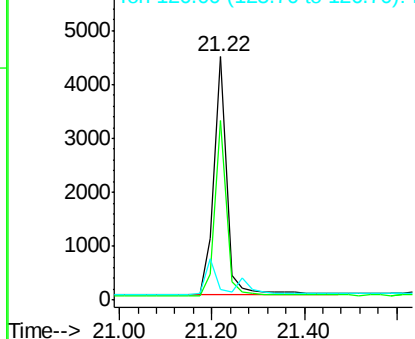


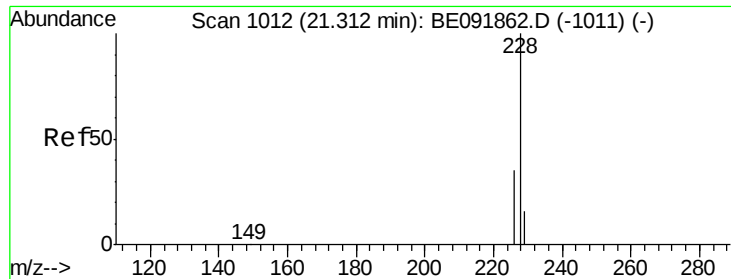
#36
3,3'-Dichlorobenzidine
Concen: 0.26 ng
RT: 21.22 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BE091861.D
Acq: 25 May 2016 16:36

Tgt Ion:252 Resp: 8690
Ion Ratio Lower Upper
252 100
254 73.6 61.5 92.3
126 4.2 2.5 3.7#



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

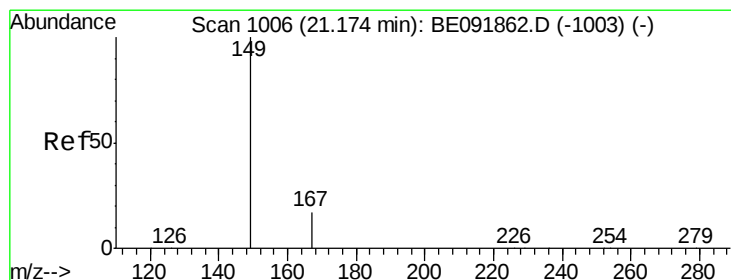
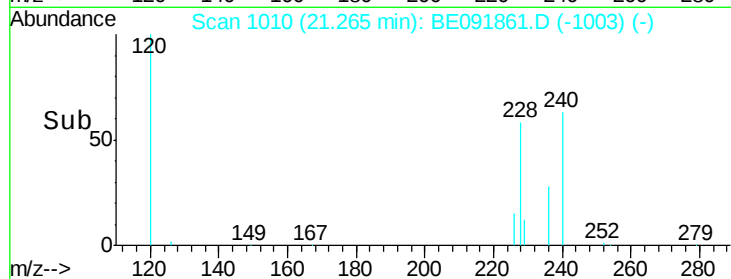
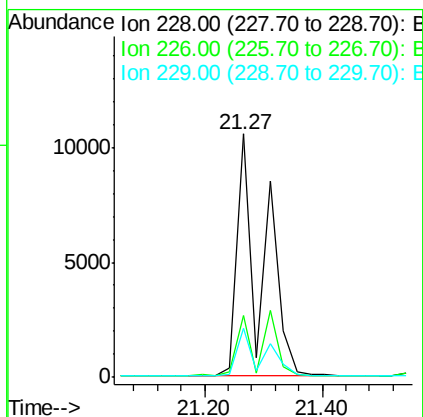
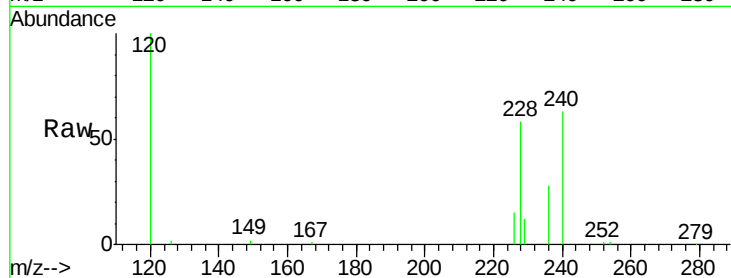




#37
 Chrysene
 Concen: 0.38 ng
 RT: 21.27 min Scan# 1010
 Delta R.T. -0.05 min
 Lab File: BE091861.D
 Acq: 25 May 2016 16:36

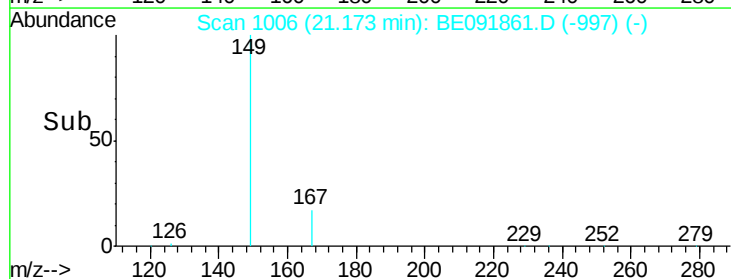
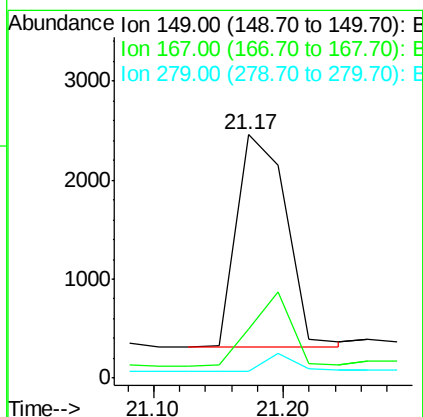
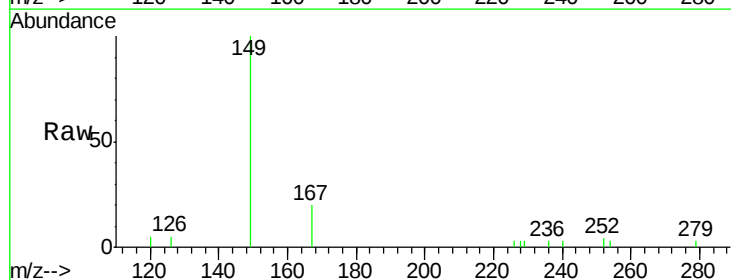
Instrument :
 BNA_E
 ClientSampleId :

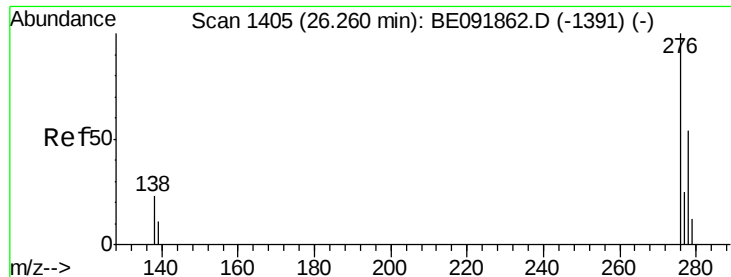
Tot Ion:228 Resp: 31041
 Ion Ratio Lower Upper
 228 100
 226 25.5 27.0 40.6#
 229 20.4 13.8 20.8



#38
 Bis(2-ethylhexyl)phthalate
 Concen: 0.26 ng
 RT: 21.17 min Scan# 1006
 Delta R.T. -0.00 min
 Lab File: BE091861.D
 Acq: 25 May 2016 16:36

Tgt Ion:149 Resp: 5659
 Ion Ratio Lower Upper
 149 100
 167 0.0 0.0 0.0
 279 0.0 0.0 0.0

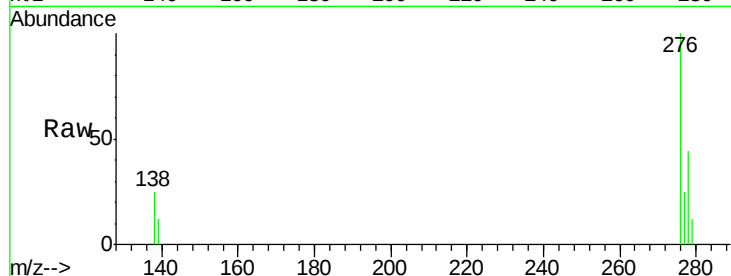




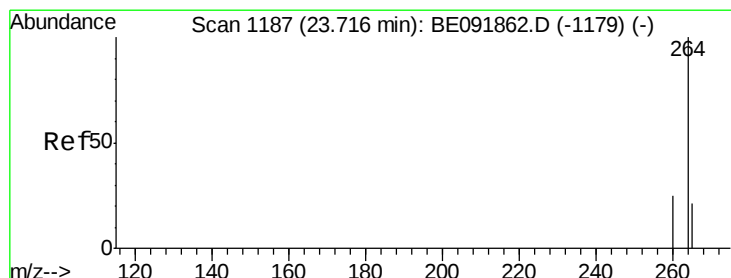
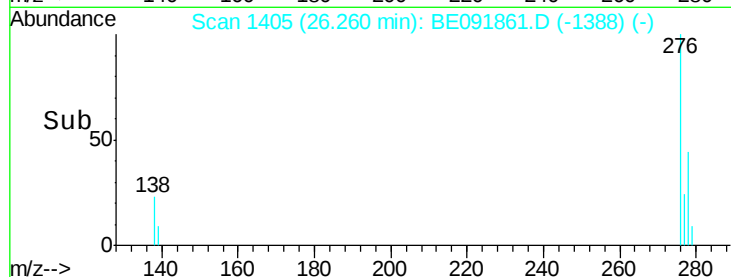
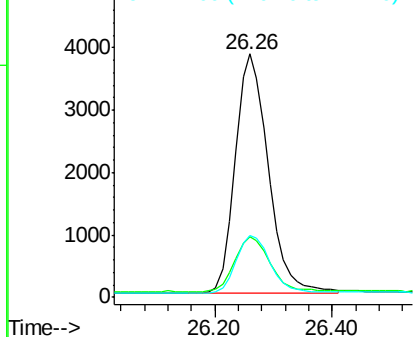
#39
 Indeno(1,2,3-cd)pyrene
 Concen: 0.26 ng
 RT: 26.26 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: BE091861.D
 Acq: 25 May 2016 16:36

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 15028
 Ion Ratio Lower Upper
 276 100
 138 24.4 19.7 29.5
 277 25.0 20.1 30.1

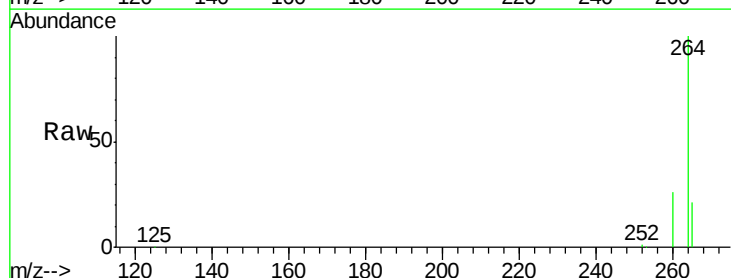


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

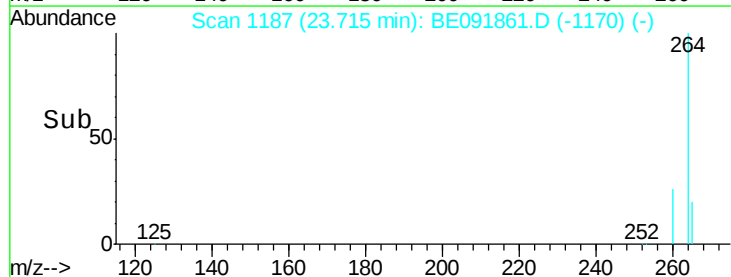
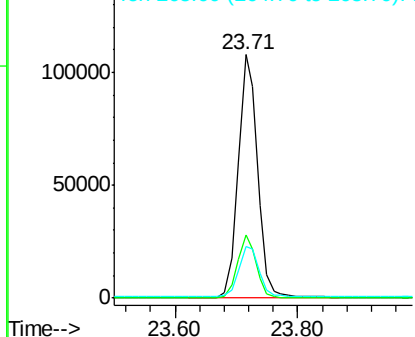


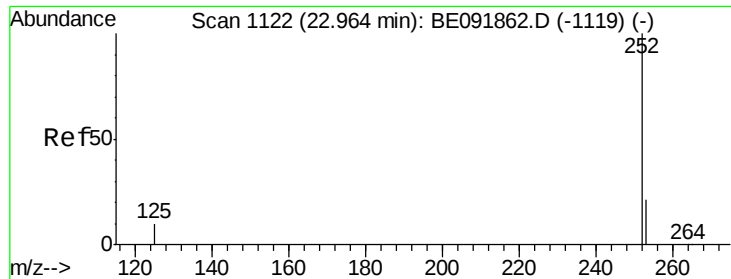
#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BE091861.D
 Acq: 25 May 2016 16:36

Tgt Ion:264 Resp: 238005
 Ion Ratio Lower Upper
 264 100
 260 25.9 20.3 30.5
 265 21.1 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 0.26 ng

RT: 22.97 min Scan# 1123

Delta R.T. 0.01 min

Lab File: BE091861.D

Acq: 25 May 2016 16:36

Instrument :

BNA_E

ClientSampleId :

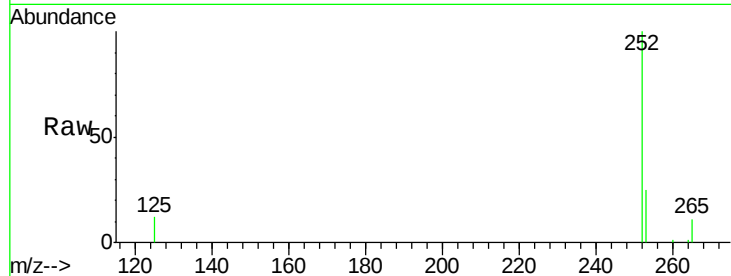
Tot Ion:252 Resp: 14904

Ion Ratio Lower Upper

252 100

253 25.5 17.8 26.6

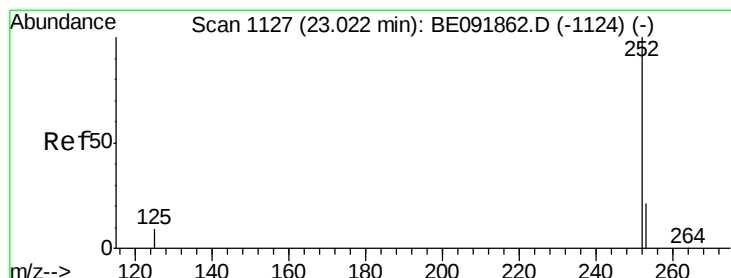
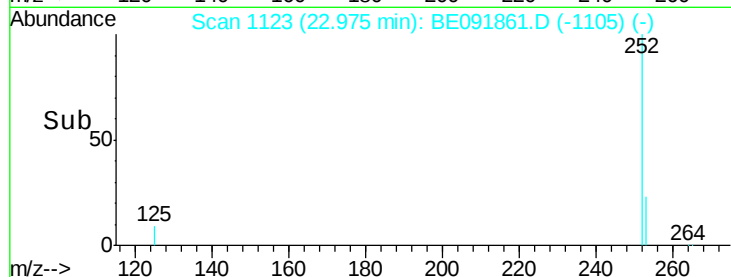
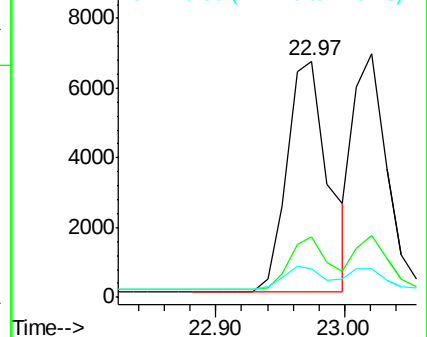
125 12.1 9.4 14.2



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



#42

Benzo(k)fluoranthene

Concen: 0.23 ng

RT: 23.02 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE091861.D

Acq: 25 May 2016 16:36

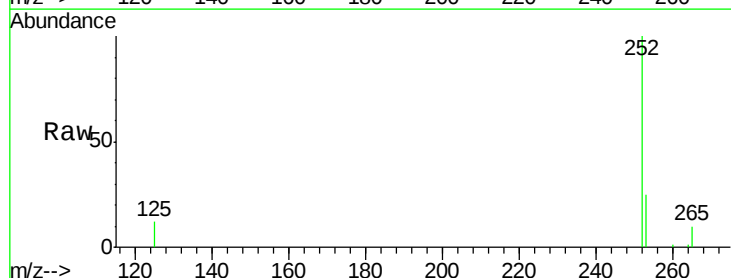
Tgt Ion:252 Resp: 12600

Ion Ratio Lower Upper

252 100

253 25.4 19.4 29.2

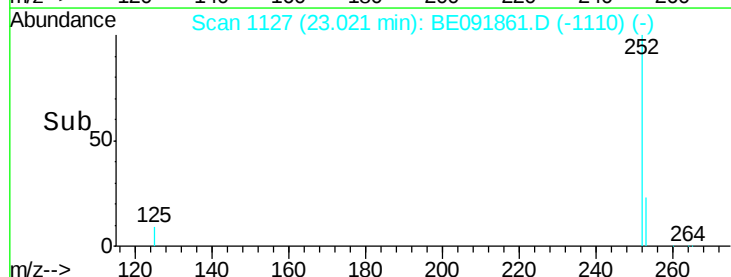
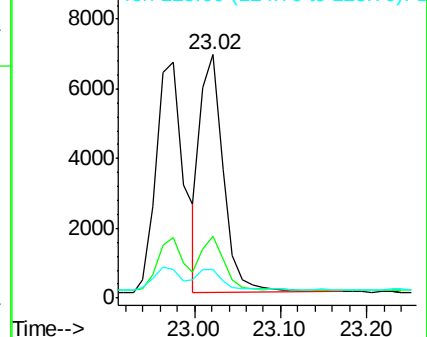
125 11.8 8.3 12.5

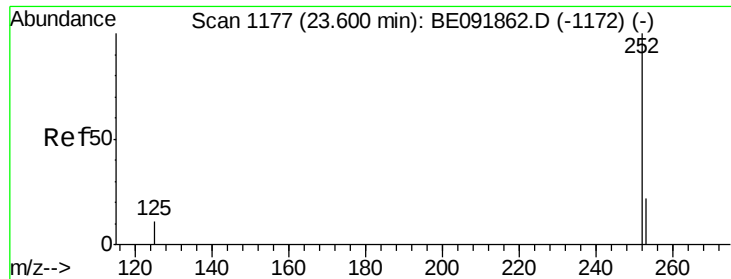


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 0.24 ng

RT: 23.60 min Scan# 1177

Delta R.T. -0.00 min

Lab File: BE091861.D

Acq: 25 May 2016 16:36

Instrument :

BNA_E

ClientSampleId :

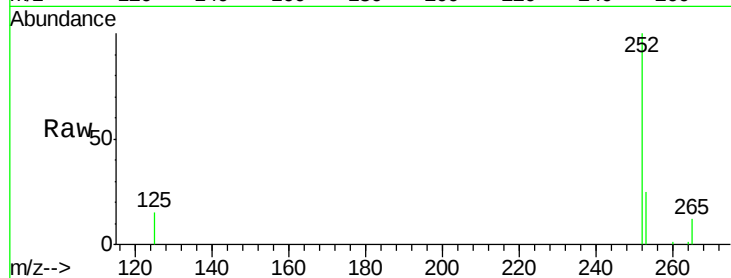
Tot Ion:252 Resp: 12980

Ion Ratio Lower Upper

252 100

253 24.6 18.9 28.3

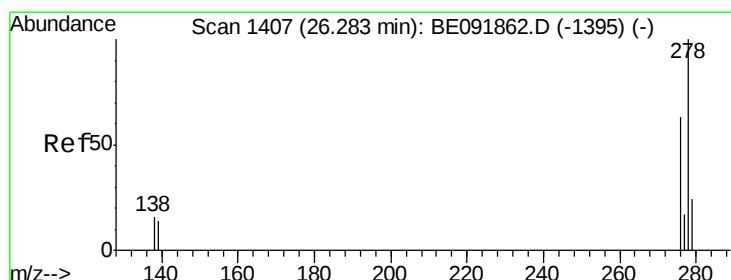
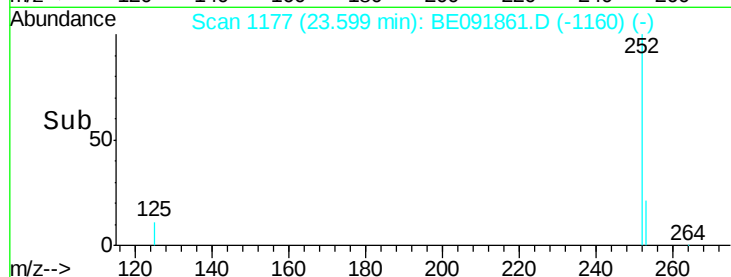
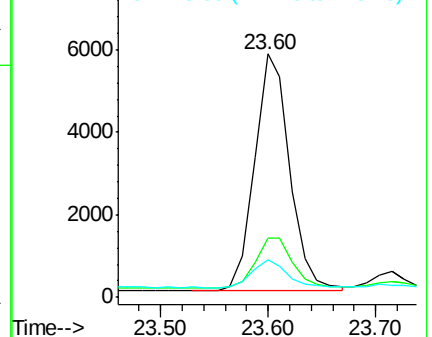
125 15.4 10.5 15.7



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



#44

Dibenzo(a,h)anthracene

Concen: 0.24 ng

RT: 26.28 min Scan# 1407

Delta R.T. -0.00 min

Lab File: BE091861.D

Acq: 25 May 2016 16:36

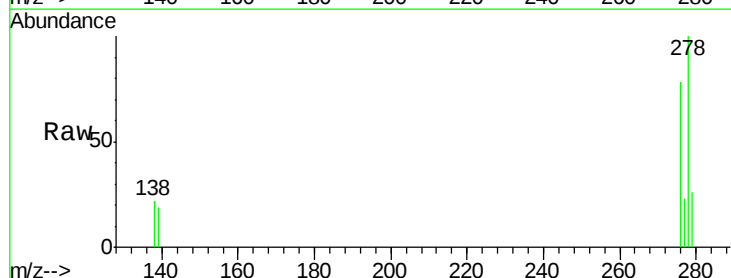
Tgt Ion:278 Resp: 12393

Ion Ratio Lower Upper

278 100

139 18.9 12.6 18.8#

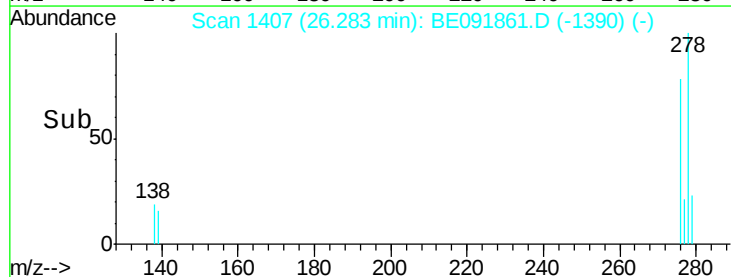
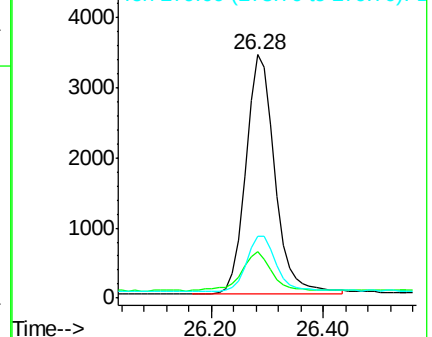
279 25.7 20.0 30.0

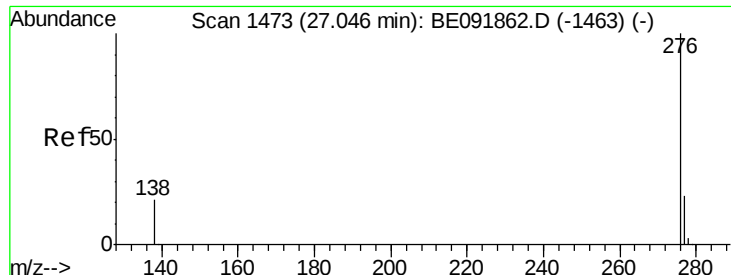


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#45

Benzo(a,h,i)perylene

Concen: 0.24 ng

RT: 27.05 min Scan# 1473

Delta R.T. -0.00 min

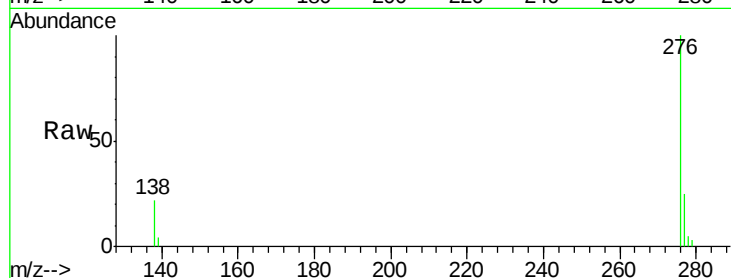
Lab File: BE091861.D

Acq: 25 May 2016 16:36

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 12797

Ion Ratio Lower Upper

276 100

277 25.3 19.5 29.3

138 22.4 17.7 26.5

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

