

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061516\
 Data File : BE091926.D
 Acq On : 15 Jun 2016 15:52
 Operator : UM/SJ
 Sample : PB91250BSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91250BSD

Quant Time: Jun 15 16:50:34 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 15 12:00:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	33346	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	139162	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	91411	5.00	ng	0.00
24) Phenanthrene-d10	17.61	188	161988	5.00	ng	0.00
31) Chrysene-d12	21.76	240	244973	5.00	ng	0.00
40) Perylene-d12	24.16	264	175185	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	58932	9.04	ng	0.00
5) Phenol-d6	7.37	99	76413	7.15	ng	0.02
9) Nitrobenzene-d5	9.37	82	42913	4.47	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	17960	7.55	ng	0.00
17) 2-Fluorobiphenyl	13.48	172	95120	4.10	ng	0.00
34) Terphenyl-d14	20.22	244	107606	3.59	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	12923	2.75	ng	# 85
3) n-Nitrosodimethylamine	3.82	42	20139	3.77	ng	94
6) bis(2-Chloroethyl)ether	7.63	93	35974	3.77	ng	97
7) n-Nitroso-di-n-propylamine	9.00	70	28152	3.12	ng	# 96
10) Nitrobenzene	9.40	77	41231	3.79	ng	# 100
11) bis(2-Chloroethoxy)methane	10.42	93	44521	3.66	ng	# 19
12) Naphthalene	11.04	128	111244	3.66	ng	# 93
13) Hexachlorobutadiene	11.34	225	18236	3.71	ng	99
14) 2-Methylnaphthalene	12.68	142	76789	3.73	ng	97
18) Acenaphthylene	14.56	152	349897	3.77	ng	# 61
19) 2,6-Dinitrotoluene	14.44	165	68449	3.45	ng	# 38
20) Acenaphthene	14.92	154	94120	3.68	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	72585	3.99	ng	# 81
22) Fluorene	15.90	166	88675	3.49	ng	99
23) 4-Chlorophenyl-phenylether	15.90	204	42012	3.35	ng	94
25) 4-Bromophenyl-phenylether	16.78	248	25048	4.00	ng	98
26) Hexachlorobenzene	16.90	284	24861	3.87	ng	97
27) Pentachlorophenol	17.25	266	20783	6.25	ng	# 86
28) Phenanthrene	17.64	178	146659	3.62	ng	99
29) Anthracene	17.73	178	139940	3.90	ng	100
30) Fluoranthene	19.65	202	563853	3.25	ng	# 86
32) Benzidine	19.83	184	8622	0.92	ng	# 95
33) Pyrene	20.02	202	595586	3.57	ng	# 74
35) Benzo(a)anthracene	21.73	228	166566	4.33	ng	# 89
36) 3,3'-Dichlorobenzidine	21.67	252	15231	2.44	ng	# 60
37) Chrysene	21.73	228	166572	2.96	ng	98
38) Bis(2-ethylhexyl)phthalate	21.64	149	113808	3.46	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	825035	4.29	ng	98
41) Benzo(b)fluoranthene	23.42	252	165228	3.67	ng	97
42) Benzo(k)fluoranthene	23.47	252	170982	4.15	ng	95
43) Benzo(a)pyrene	24.05	252	158839	4.04	ng	94
44) Dibenzo(a,h)anthracene	26.70	278	175484	4.59	ng	98
45) Benzo(g,h,i)perylene	27.45	276	720305	4.56	ng	98

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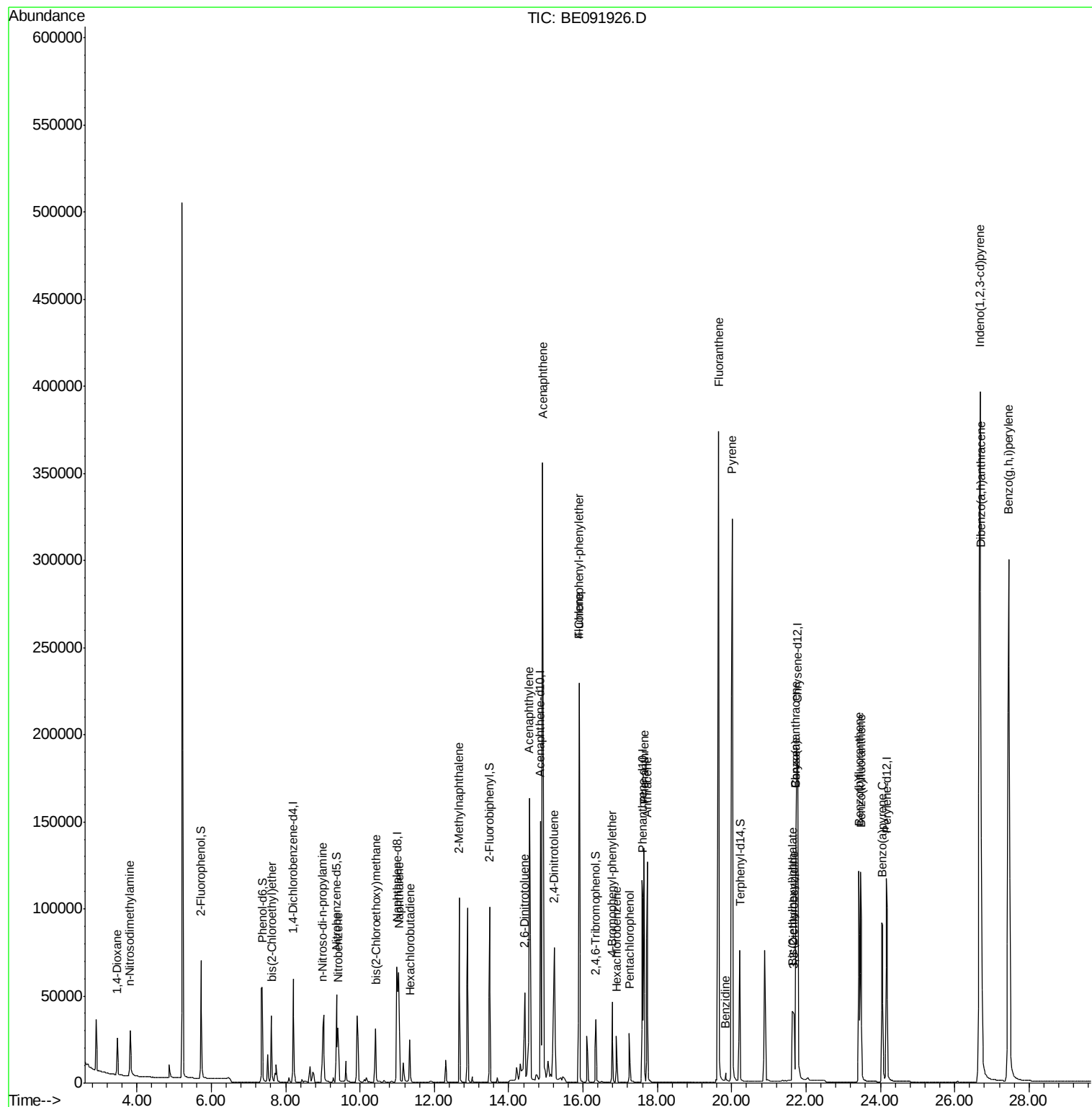
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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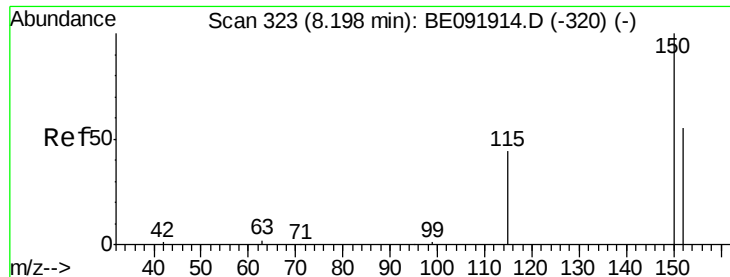
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. -0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

Instrument :

BNA_E

ClientSampleId :

PB91250BSD

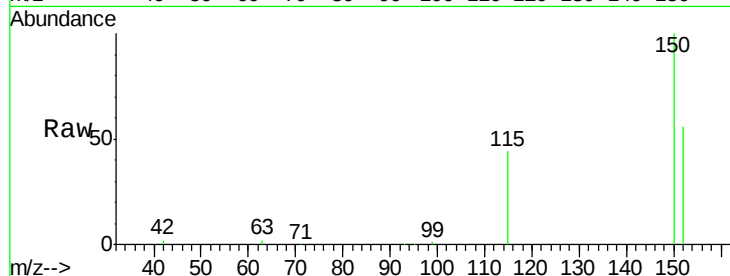
Tgt Ion:152 Resp: 33346

Ion Ratio Lower Upper

152 100

150 179.9 123.9 185.9

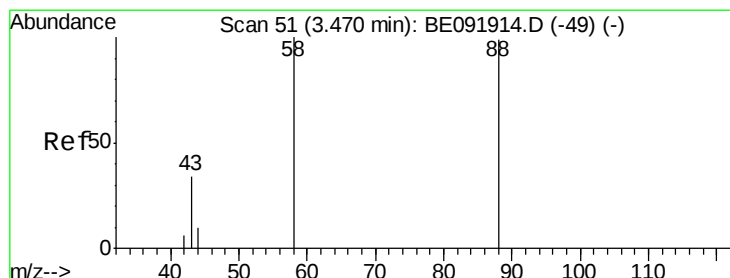
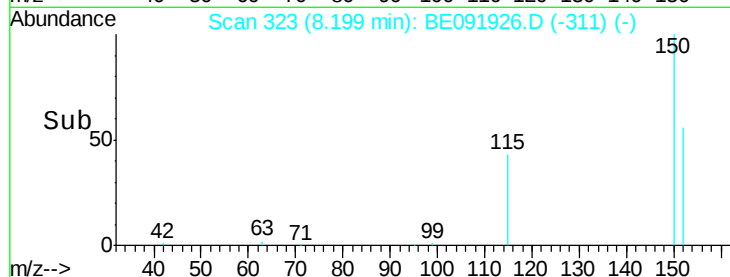
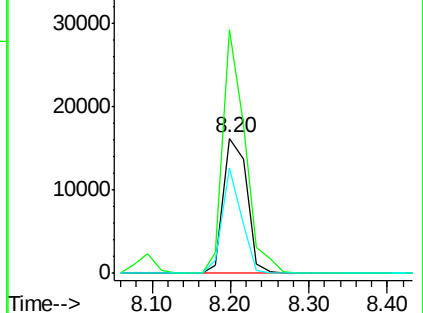
115 78.3 48.3 72.5#



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: 2.75 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

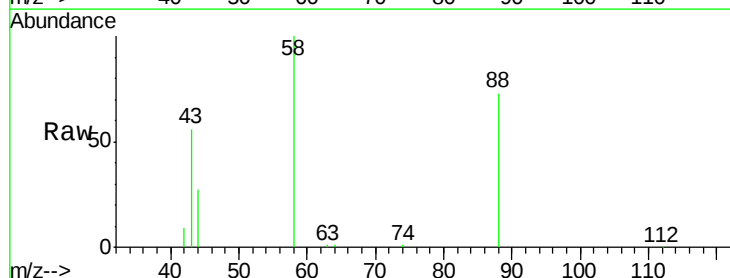
Tgt Ion: 88 Resp: 12923

Ion Ratio Lower Upper

88 100

58 92.8 63.0 94.4

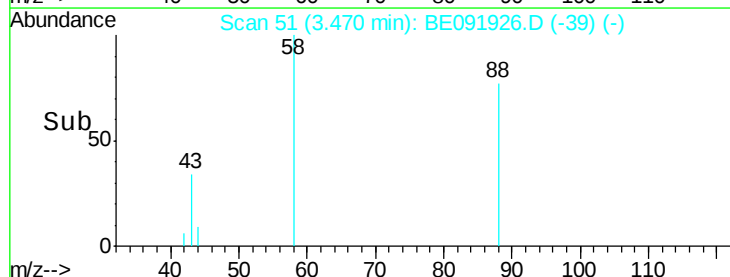
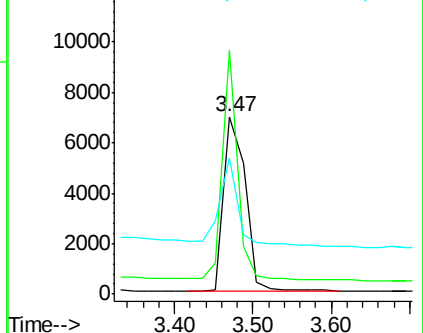
43 44.0 29.1 43.7#

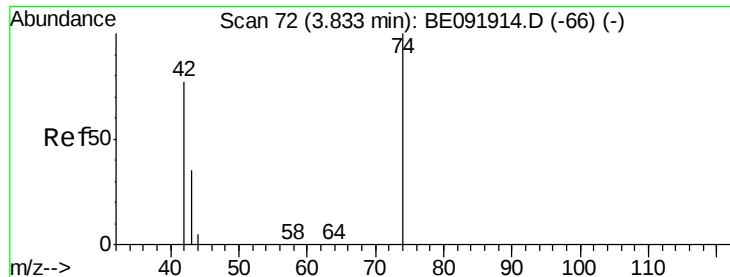


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.77 ng

RT: 3.82 min Scan# 71

Delta R.T. 0.02 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

Instrument :

BNA_E

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PB91250BSD

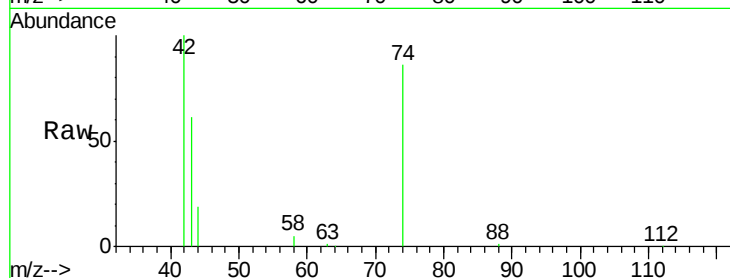
Tgt Ion: 42 Resp: 20139

Ion Ratio Lower Upper

42 100

74 109.7 93.4 140.0

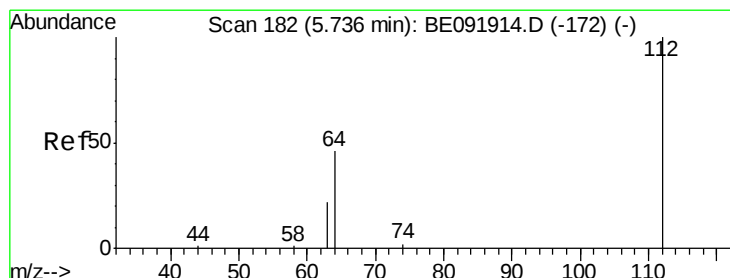
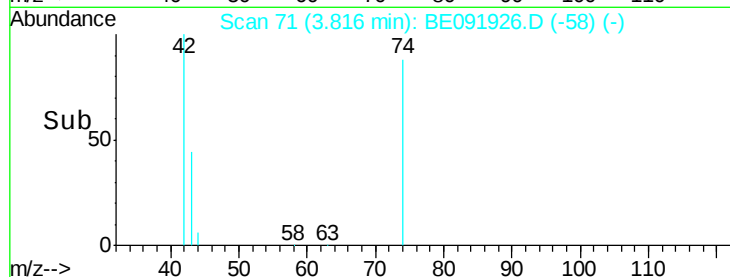
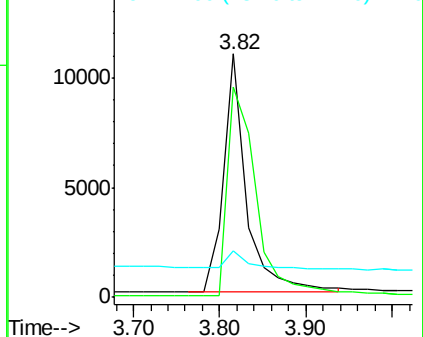
44 7.0 5.0 7.6



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: 9.04 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

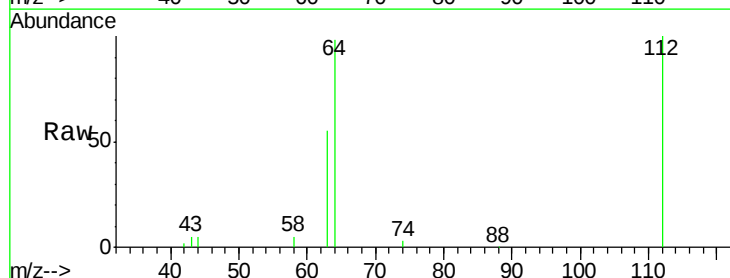
Tgt Ion: 112 Resp: 58932

Ion Ratio Lower Upper

112 100

64 68.6 53.7 80.5

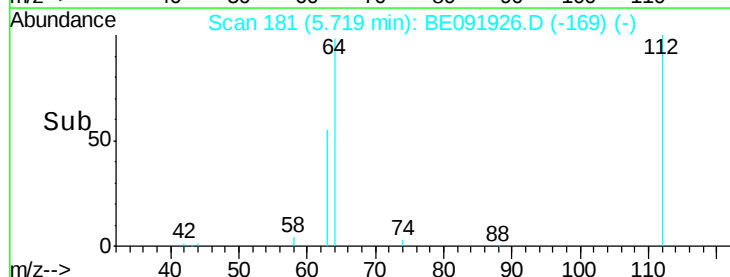
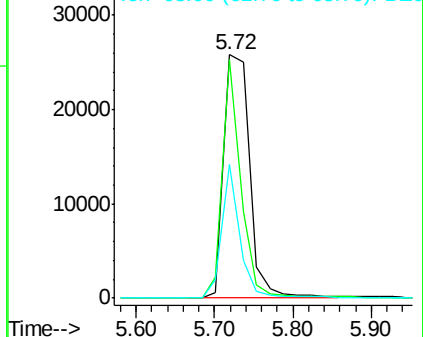
63 37.2 29.5 44.3

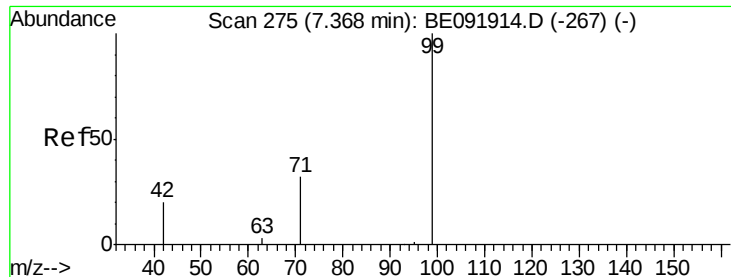


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.15 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.02 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

Instrument :

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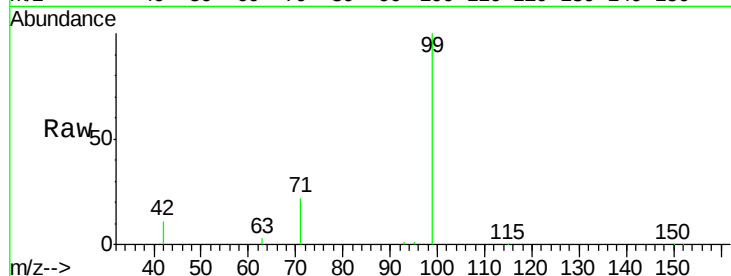
Tgt Ion: 99 Resp: 76413

Ion Ratio Lower Upper

99 100

42 26.6 19.6 29.4

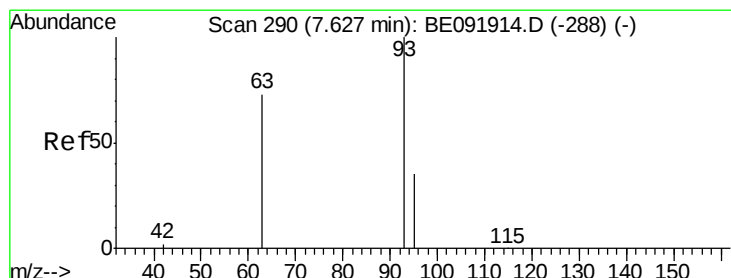
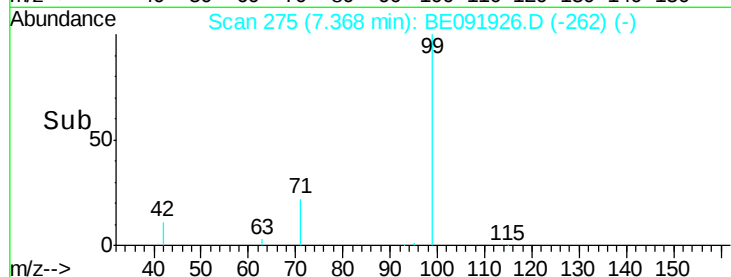
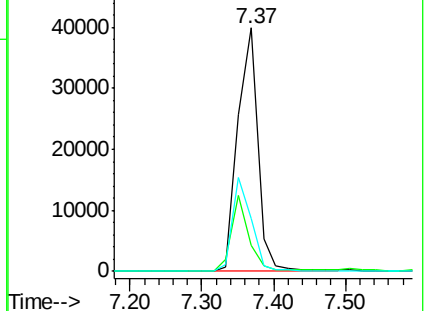
71 36.2 28.1 42.1



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: 3.77 ng

RT: 7.63 min Scan# 290

Delta R.T. 0.02 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

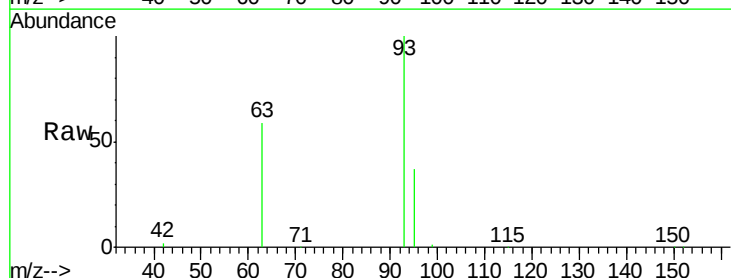
Tgt Ion: 93 Resp: 35974

Ion Ratio Lower Upper

93 100

63 86.3 66.2 99.4

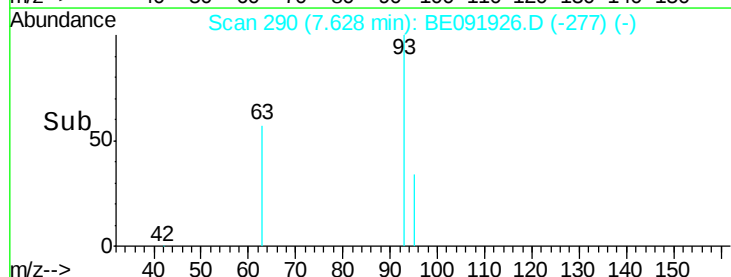
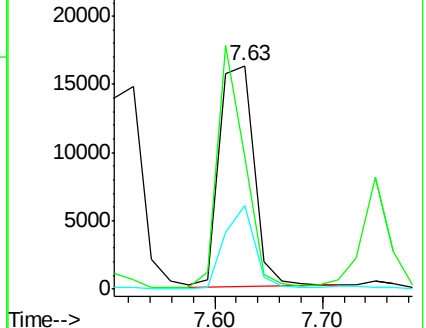
95 32.6 25.5 38.3

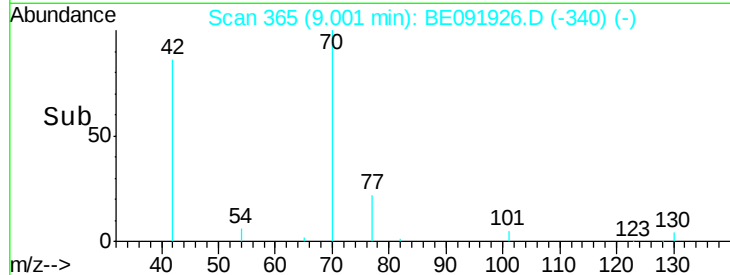
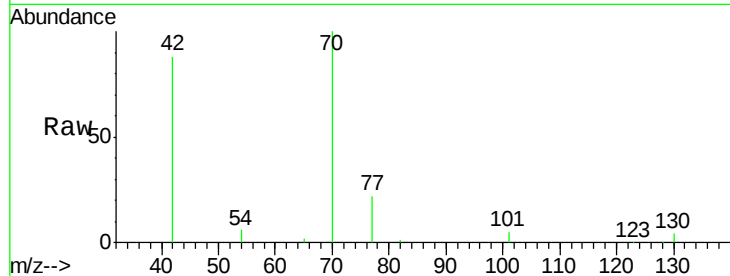
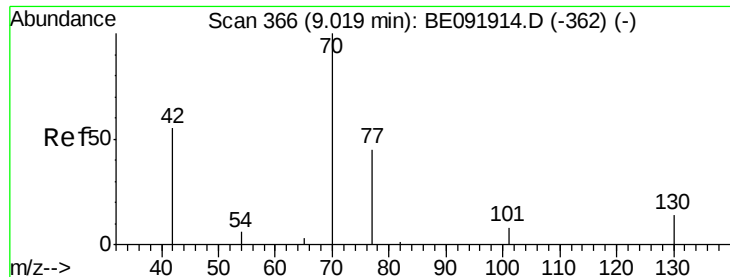


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 3.12 ng

RT: 9.00 min Scan# 365

Delta R.T. 0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

Instrument :

BNA_E

ClientSampleId :

PB91250BSD

Tgt Ion: 70 Resp: 28152

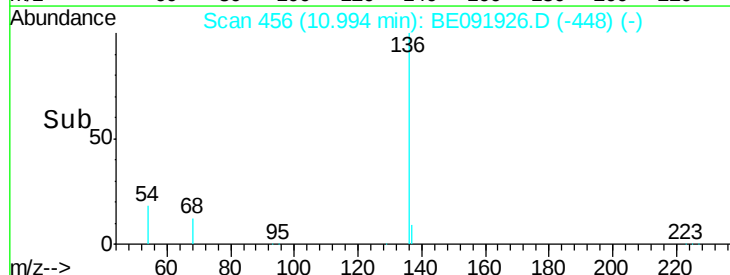
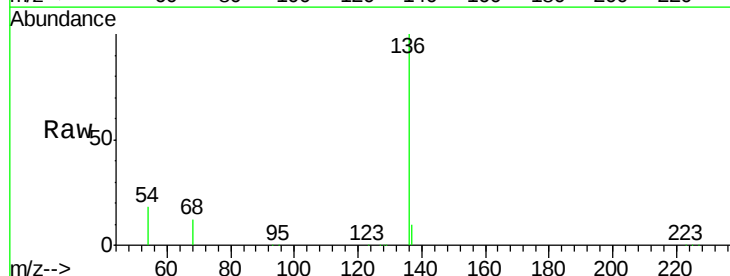
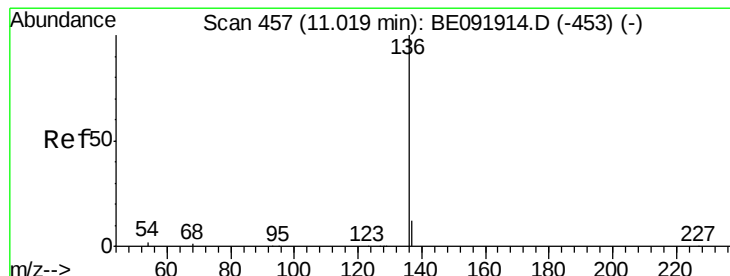
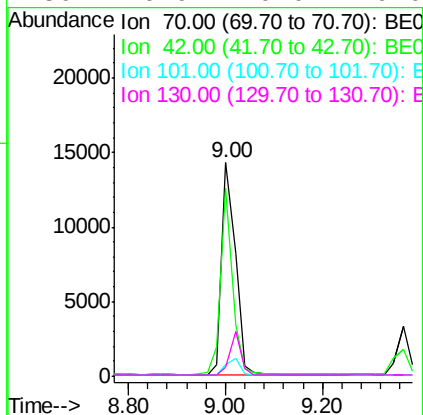
Ion Ratio Lower Upper

70 100

42 76.3 58.4 87.6

101 8.2 6.4 9.6

130 16.9 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. 0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

Tgt Ion: 136 Resp: 139162

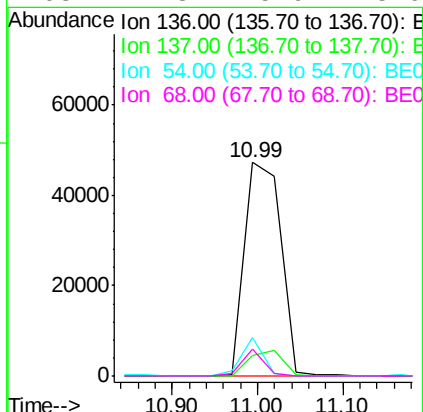
Ion Ratio Lower Upper

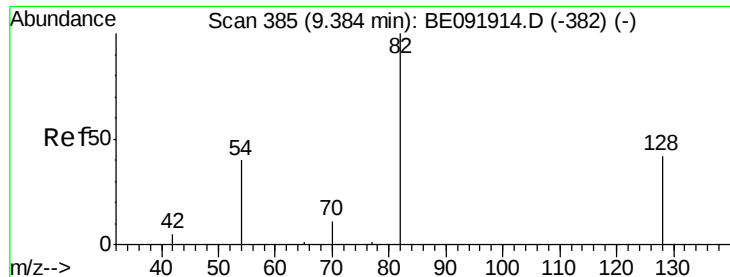
136 100

137 9.5 8.3 12.5

54 17.8 8.2 12.4#

68 12.3 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 4.47 ng

RT: 9.37 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

Instrument :

BNA_E

ClientSampleId :

PB91250BSD

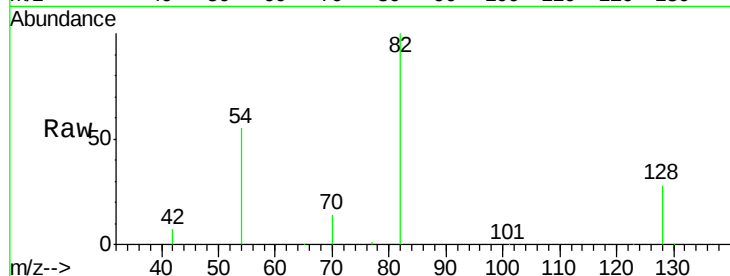
Tgt Ion: 82 Resp: 42913

Ion Ratio Lower Upper

82 100

128 28.5 39.5 59.3#

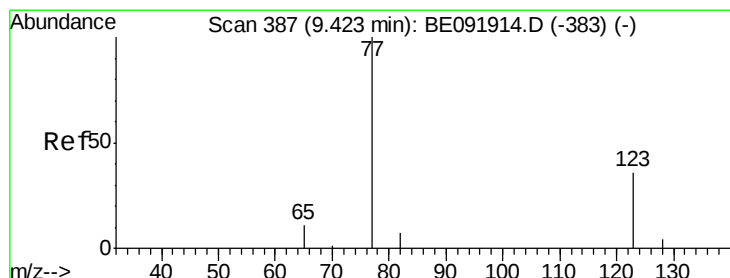
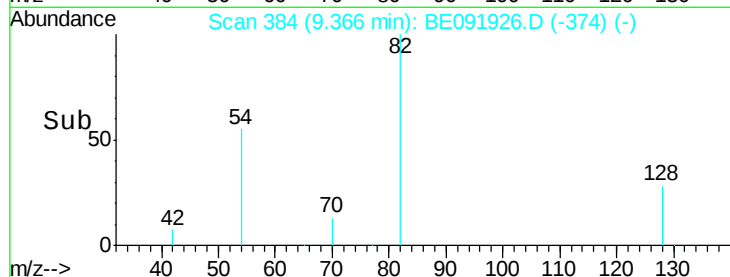
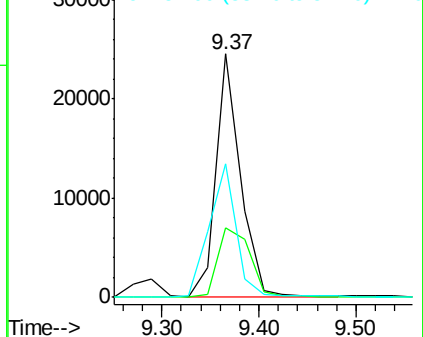
54 54.9 30.3 45.5#



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: 3.79 ng

RT: 9.40 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

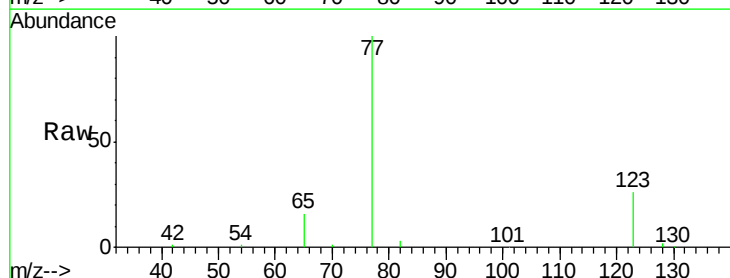
Tgt Ion: 77 Resp: 41231

Ion Ratio Lower Upper

77 100

123 38.4 0.0 0.0#

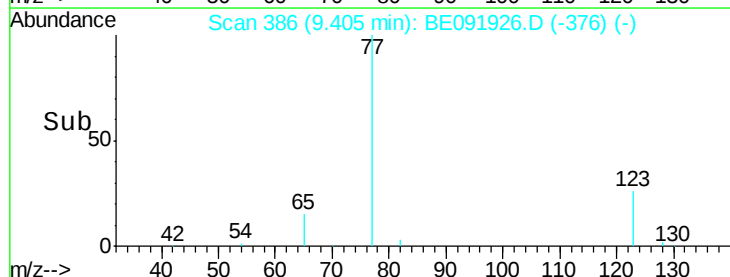
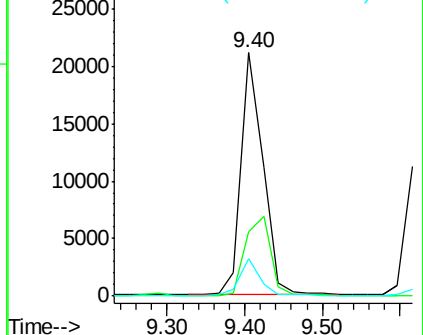
65 14.0 11.1 16.7

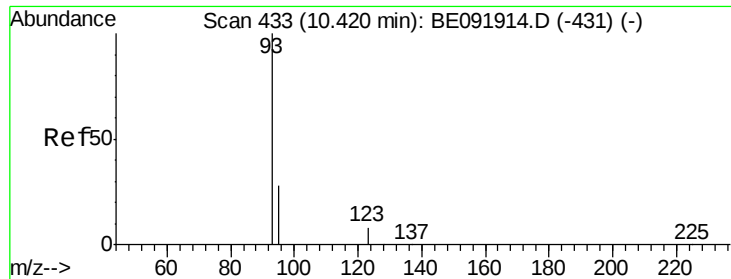


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

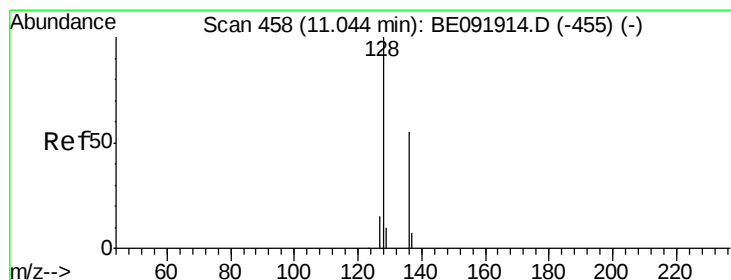
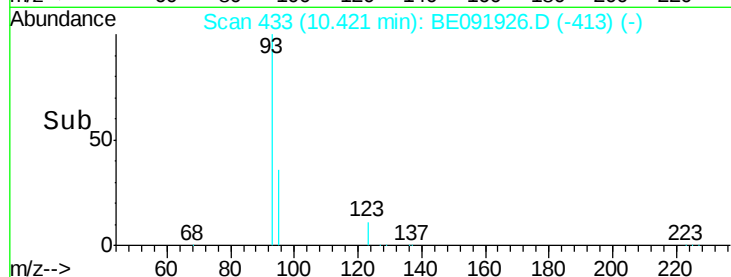
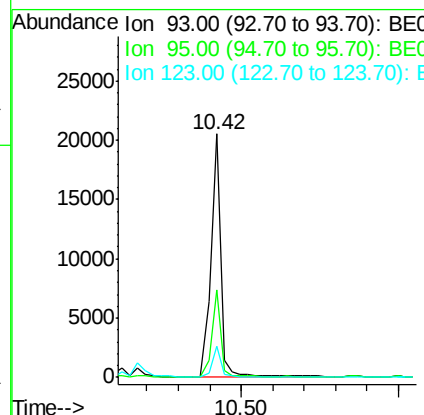
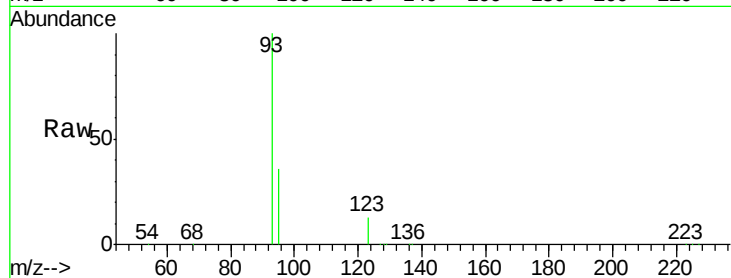




#11
bis(2-Chloroethoxy)methane
Concen: 3.66 ng
RT: 10.42 min Scan# 433
Delta R.T. 0.00 min
Lab File: BE091926.D
Acq: 15 Jun 2016 15:52

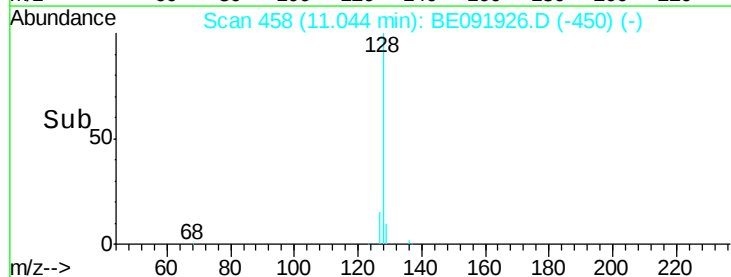
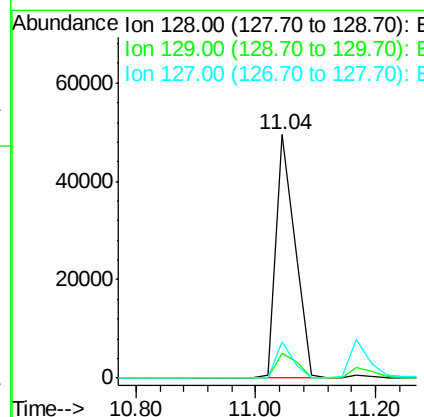
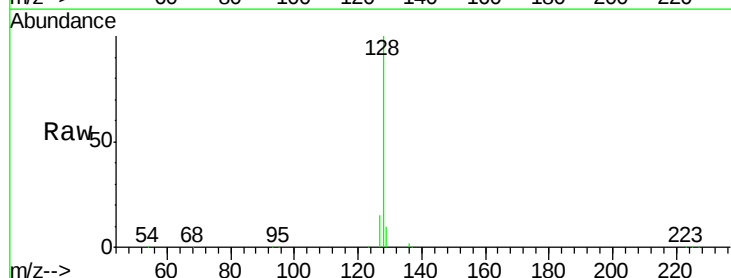
Instrument :
BNA_E
ClientSampleId :
PB91250BSD

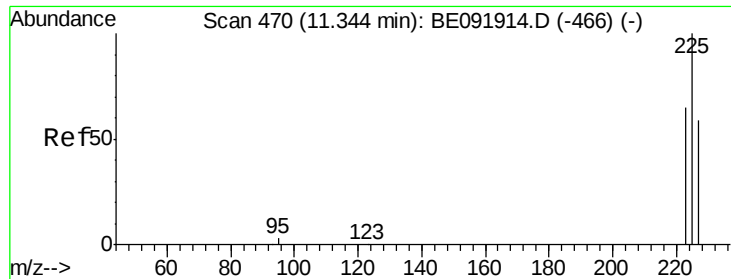
Tgt Ion: 93 Resp: 44521
Ion Ratio Lower Upper
93 100
95 32.9 57.6 86.4#
123 10.7 100.2 150.4#



#12
Naphthalene
Concen: 3.66 ng
RT: 11.04 min Scan# 458
Delta R.T. 0.00 min
Lab File: BE091926.D
Acq: 15 Jun 2016 15:52

Tgt Ion: 128 Resp: 111244
Ion Ratio Lower Upper
128 100
129 10.0 10.4 15.6#
127 15.0 10.2 15.2

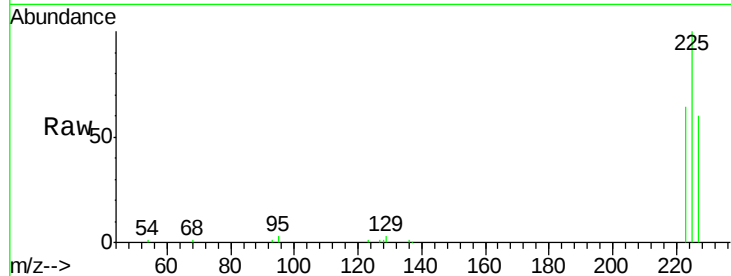




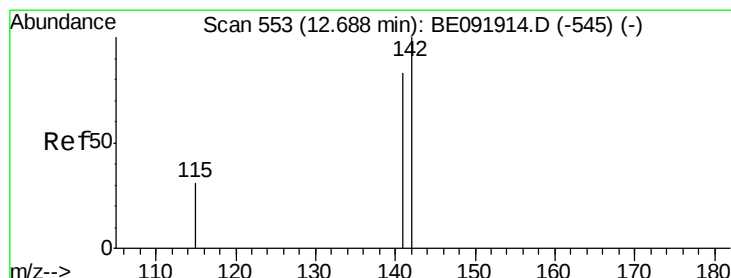
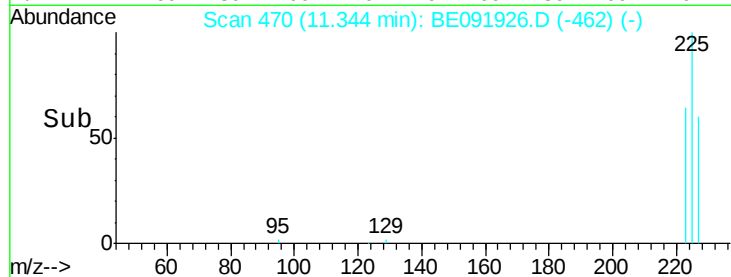
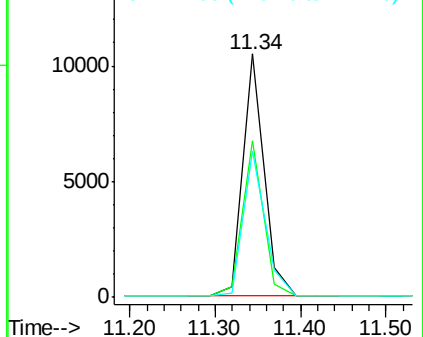
#13
Hexachlorobutadiene
Concen: 3.71 ng
RT: 11.34 min Scan# 470
Delta R.T. 0.00 min
Lab File: BE091926.D
Acq: 15 Jun 2016 15:52

Instrument :
BNA_E
ClientSampleId :
PB91250BSD

Tgt Ion: 225 Resp: 18236
Ion Ratio Lower Upper
225 100
223 63.2 49.8 74.8
227 62.6 50.6 75.8

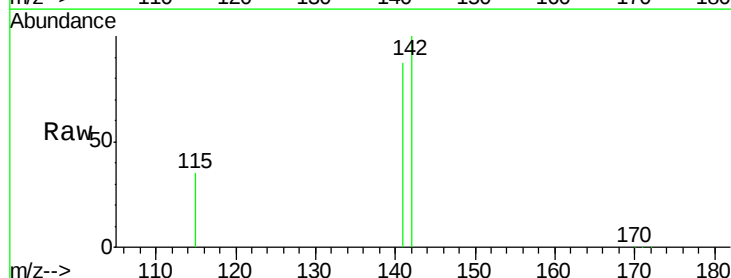


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

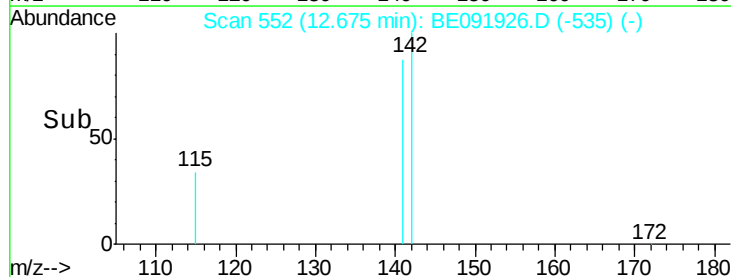
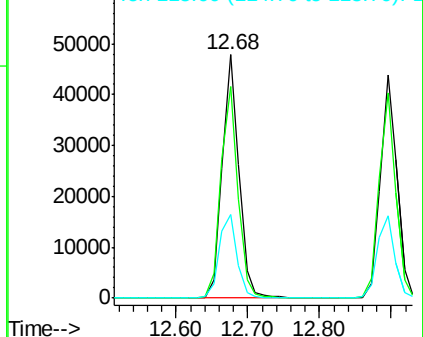


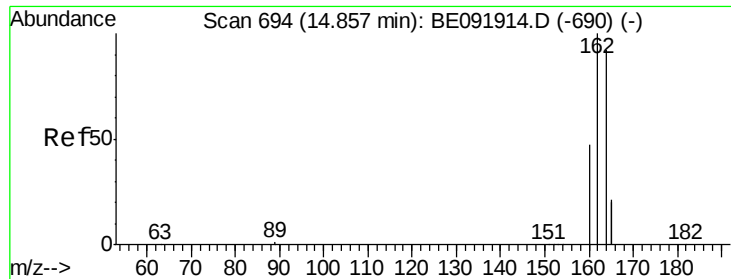
#14
2-Methylnaphthalene
Concen: 3.73 ng
RT: 12.68 min Scan# 552
Delta R.T. -0.00 min
Lab File: BE091926.D
Acq: 15 Jun 2016 15:52

Tgt Ion: 142 Resp: 76789
Ion Ratio Lower Upper
142 100
141 87.2 71.9 107.9
115 34.5 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





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

Instrument :

BNA_E

ClientSampleId :

PB91250BSD

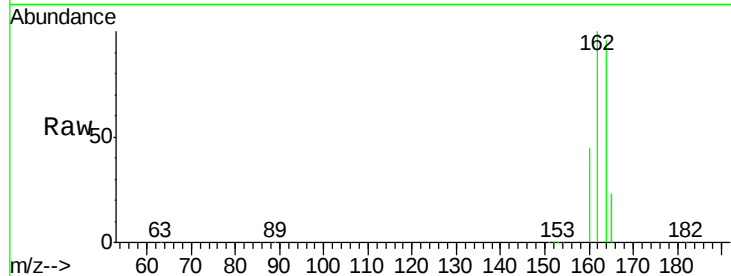
Tgt Ion:164 Resp: 91411

Ion Ratio Lower Upper

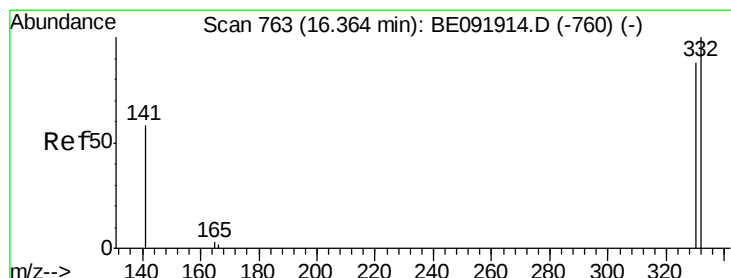
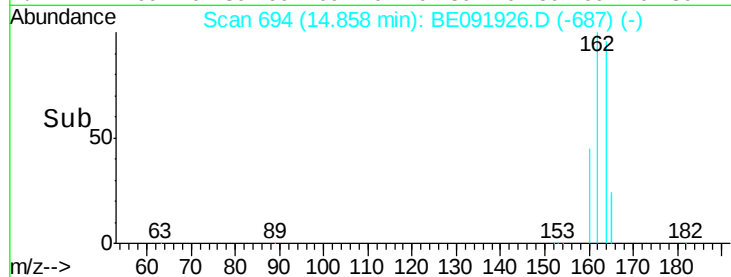
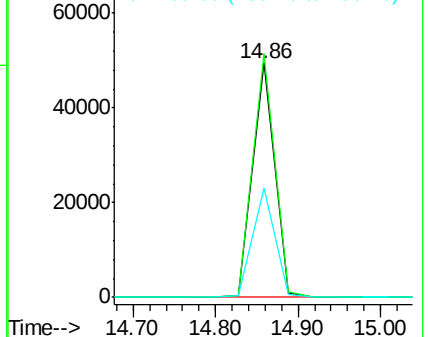
164 100

162 104.0 71.8 107.8

160 46.9 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: 7.55 ng

RT: 16.35 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

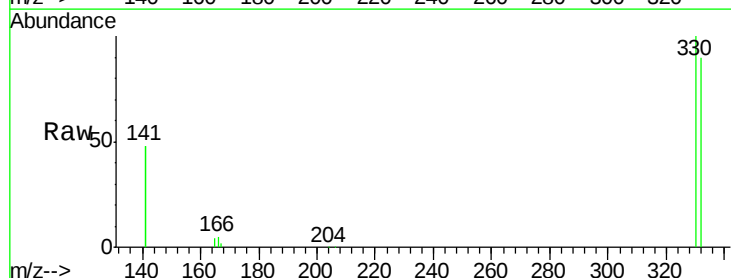
Tgt Ion:330 Resp: 17960

Ion Ratio Lower Upper

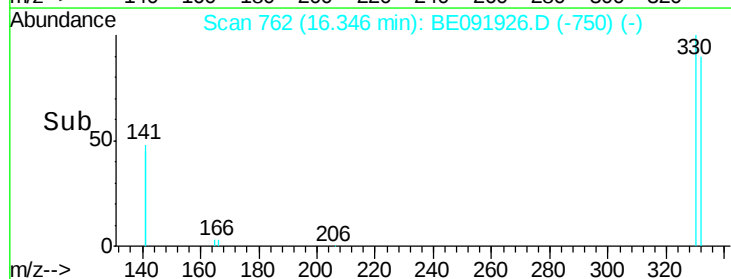
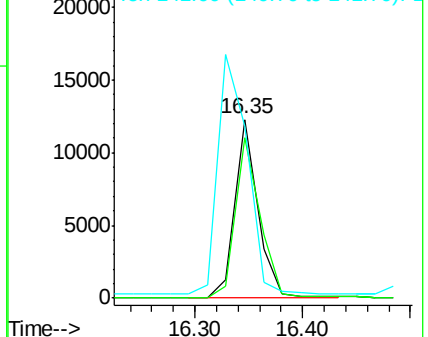
330 100

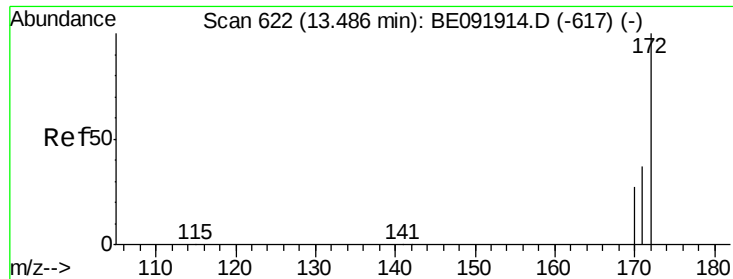
332 95.9 77.0 115.6

141 174.0 138.4 207.6



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

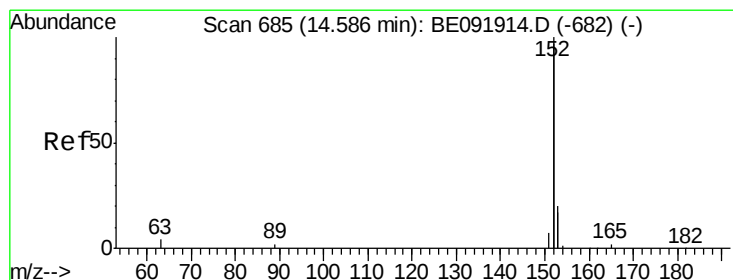
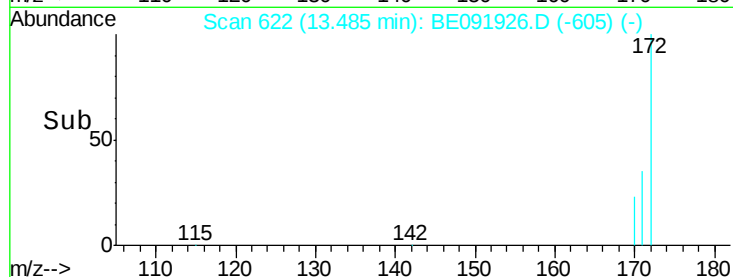
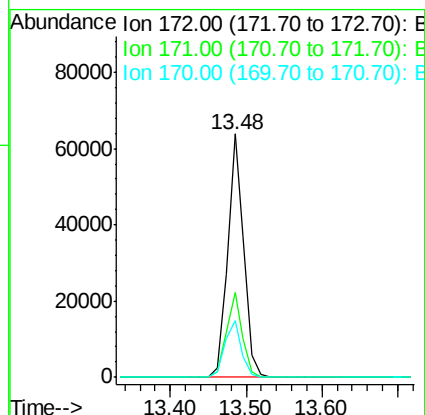
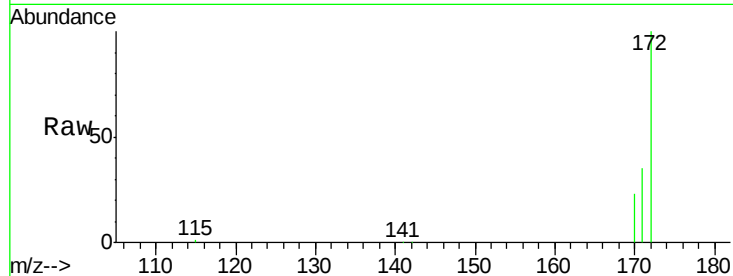




#17
2-Fluorobiphenyl
Concen: 4.10 ng
RT: 13.48 min Scan# 622
Delta R.T. -0.00 min
Lab File: BE091926.D
Acq: 15 Jun 2016 15:52

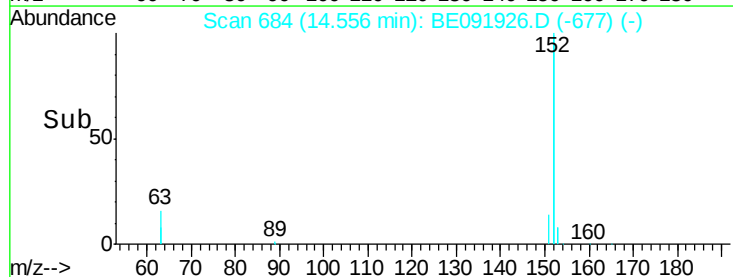
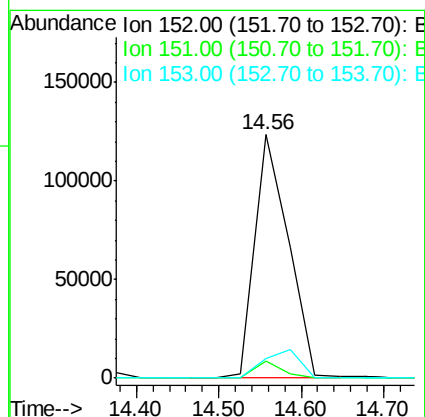
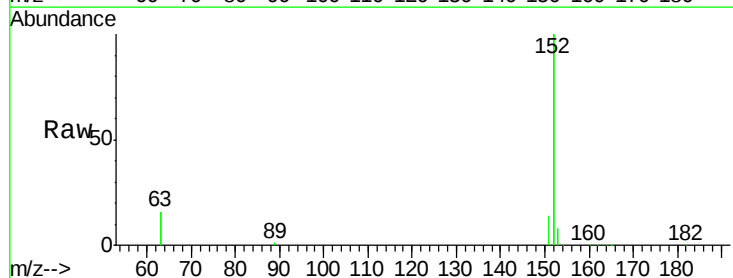
Instrument :
BNA_E
ClientSampleId :
PB91250BSD

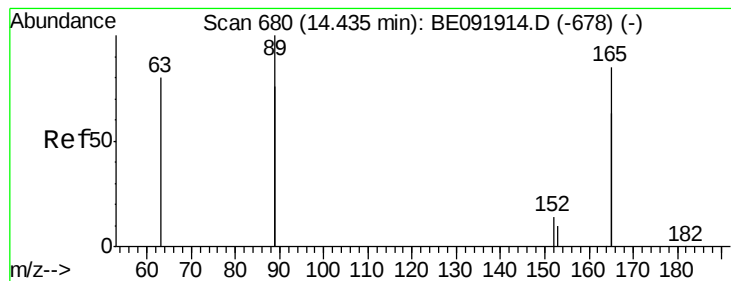
Tgt Ion:172 Resp: 95120
Ion Ratio Lower Upper
172 100
171 34.8 24.3 36.5
170 23.1 14.9 22.3#



#18
Acenaphthylene
Concen: 3.77 ng
RT: 14.56 min Scan# 684
Delta R.T. -0.00 min
Lab File: BE091926.D
Acq: 15 Jun 2016 15:52

Tgt Ion:152 Resp: 349897
Ion Ratio Lower Upper
152 100
151 5.5 19.4 29.2#
153 0.0 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 3.45 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

Instrument :

BNA_E

ClientSampleId :

PB91250BSD

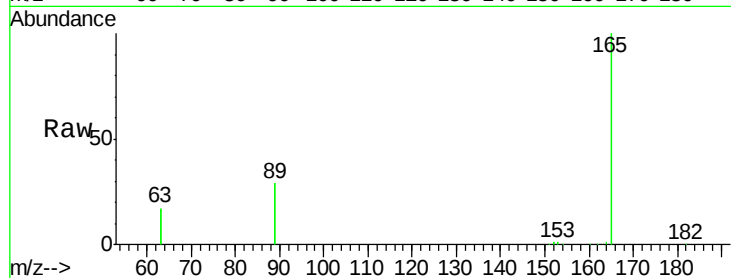
Tgt Ion:165 Resp: 68449

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

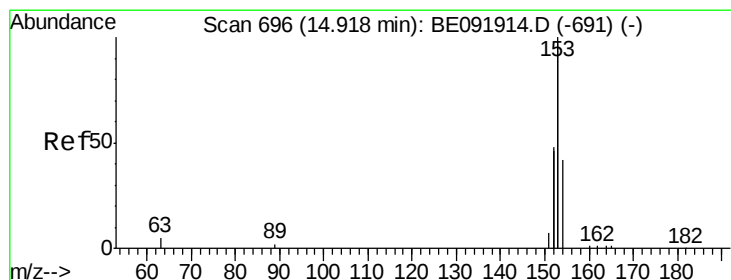
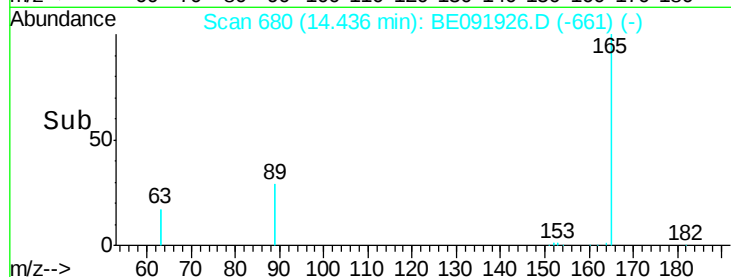
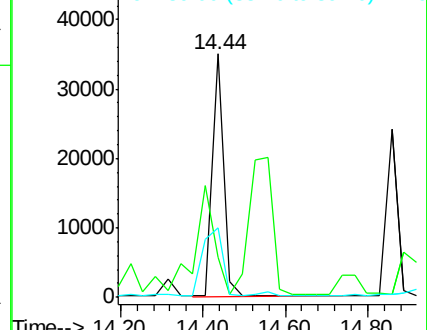
89 49.4 59.1 88.7#



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: 3.68 ng

RT: 14.92 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

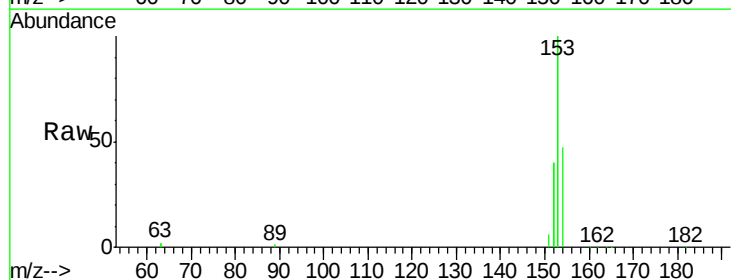
Tgt Ion:154 Resp: 94120

Ion Ratio Lower Upper

154 100

153 413.5 88.1 132.1#

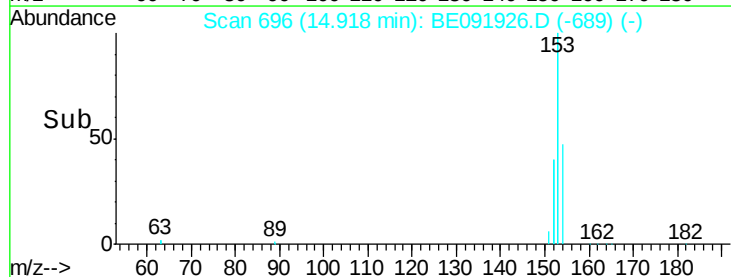
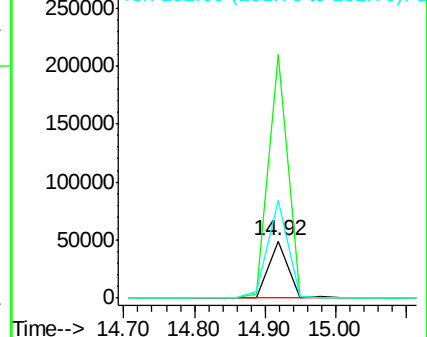
152 173.1 44.2 66.2#

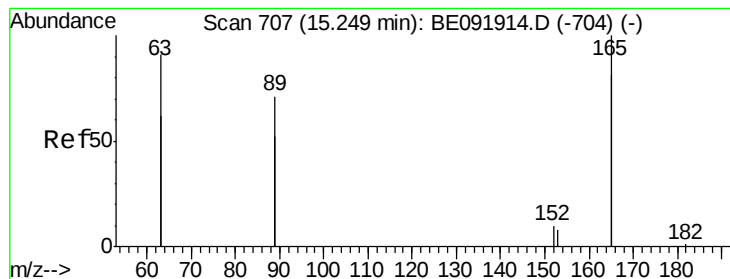


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 3.99 ng

RT: 15.22 min Scan# 706

Delta R.T. 0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

Instrument :

BNA_E

ClientSampleId :

PB91250BSD

Tgt Ion:165 Resp: 72585

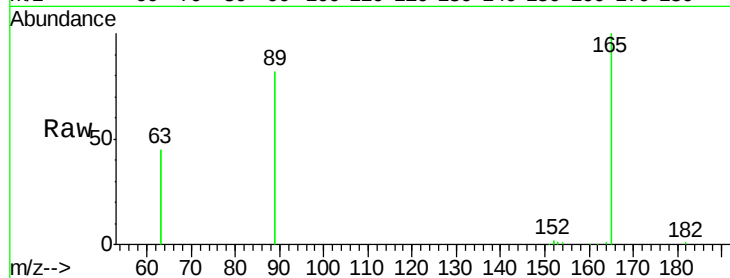
Ion Ratio Lower Upper

165 100

63 78.1 0.0 0.0#

89 102.9 99.8 149.8

182 0.4 0.0 0.0#



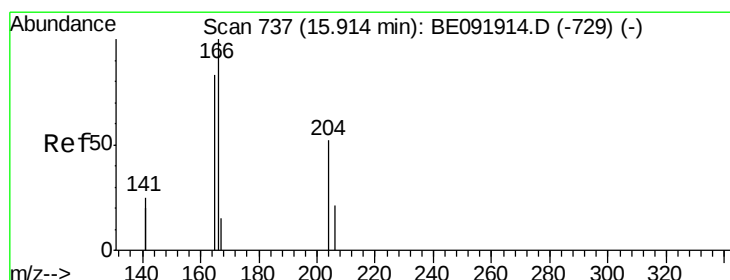
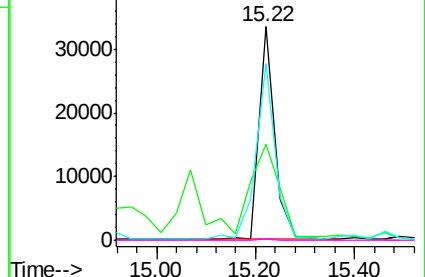
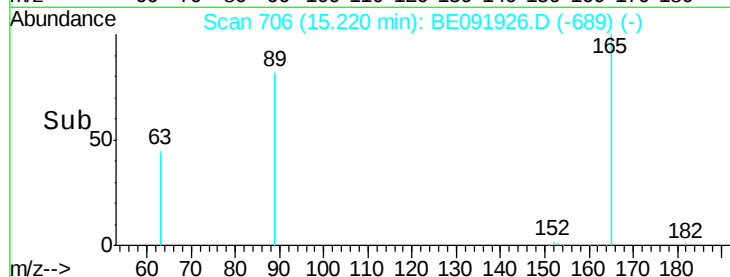
Abundance Ion 165.00 (164.70 to 165.70): E

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

Time-->



#22

Fluorene

Concen: 3.49 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

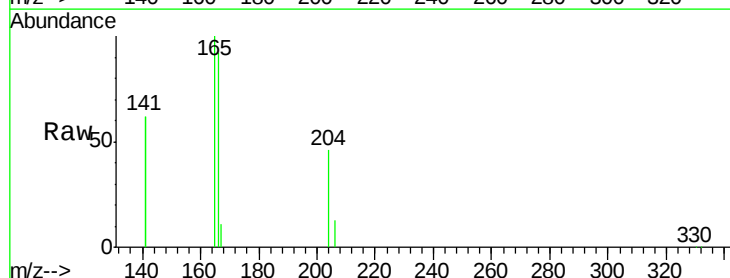
Tgt Ion:166 Resp: 88675

Ion Ratio Lower Upper

166 100

165 99.2 78.6 117.8

167 13.5 10.8 16.2

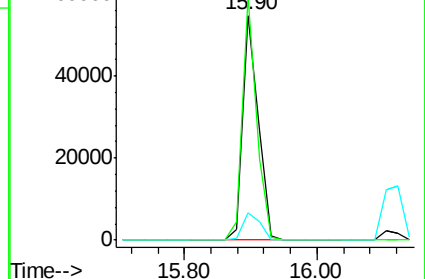
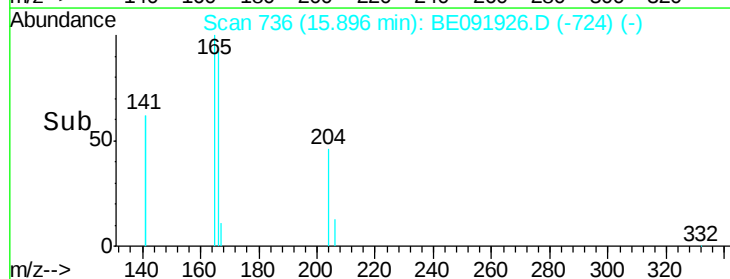


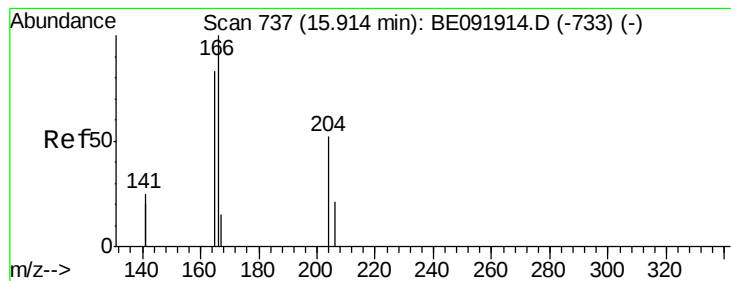
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->





#23

4-Chlorophenyl-phenylether

Concen: 3.35 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

Instrument :

BNA_E

ClientSampleId :

PB91250BSD

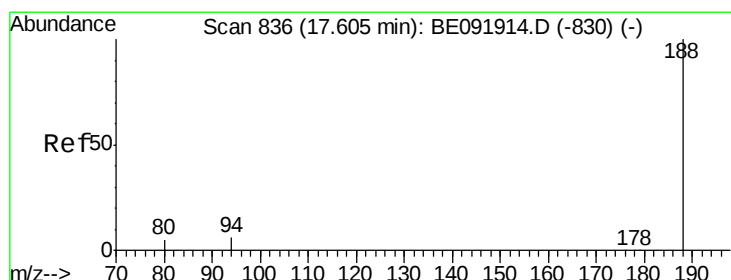
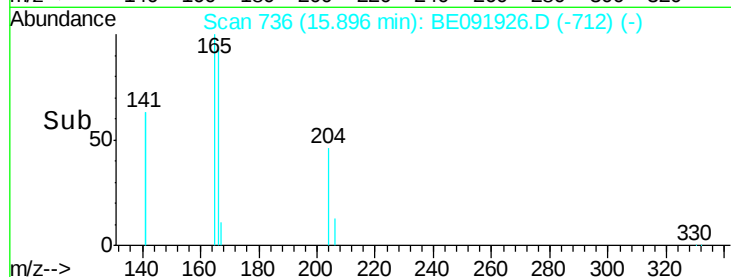
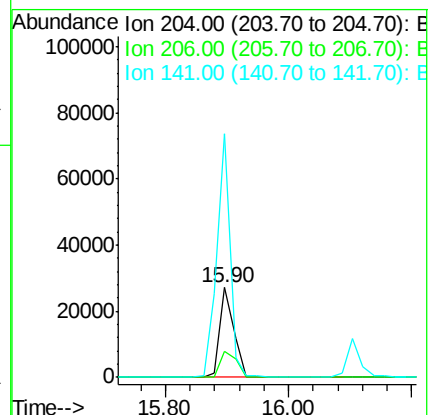
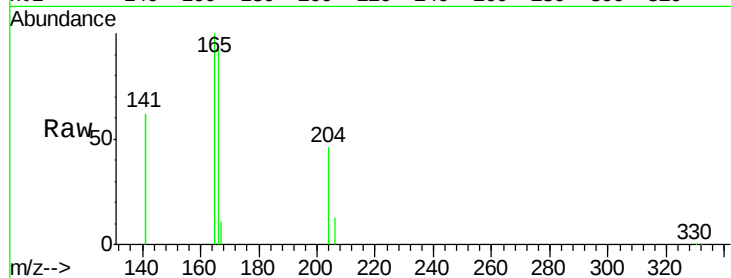
Tgt Ion:204 Resp: 42012

Ion Ratio Lower Upper

204 100

206 33.7 27.8 41.6

141 259.4 197.6 296.4



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.61 min Scan# 836

Delta R.T. -0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

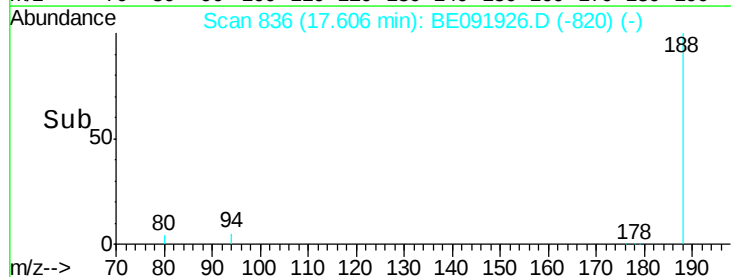
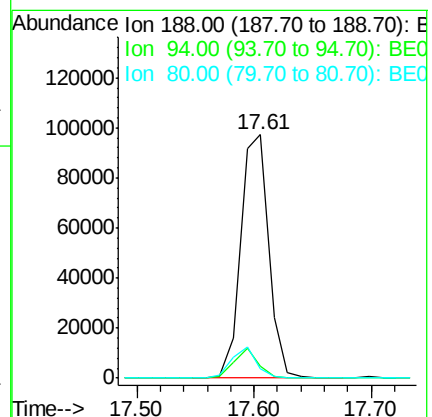
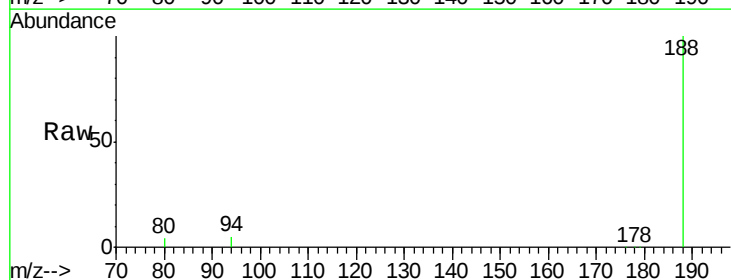
Tgt Ion:188 Resp: 161988

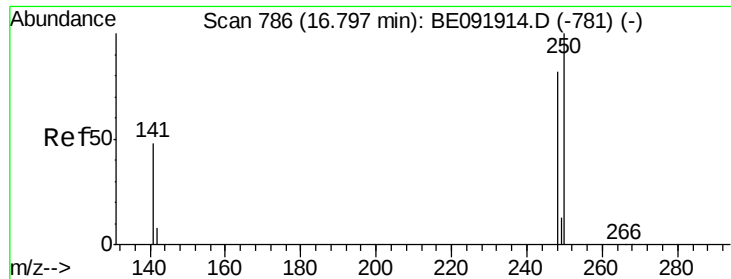
Ion Ratio Lower Upper

188 100

94 4.9 4.1 6.1

80 4.1 3.4 5.2

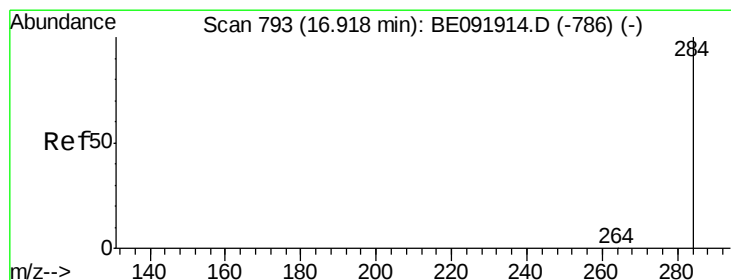
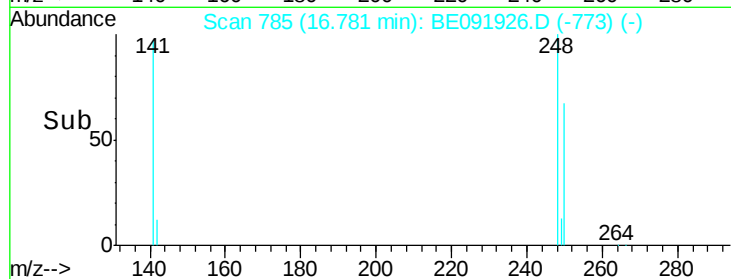
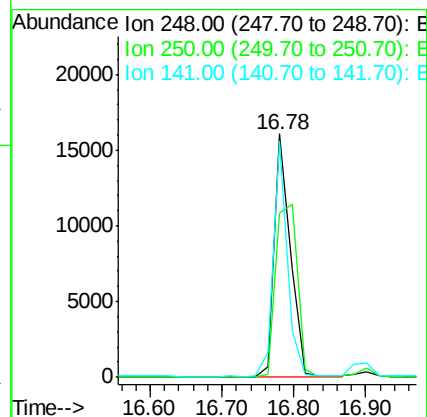
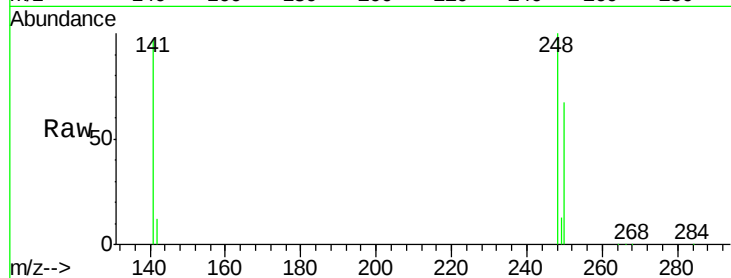




#25
 4-Bromophenyl-phenylether
 Concen: 4.00 ng
 RT: 16.78 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: BE091926.D
 Acq: 15 Jun 2016 15:52

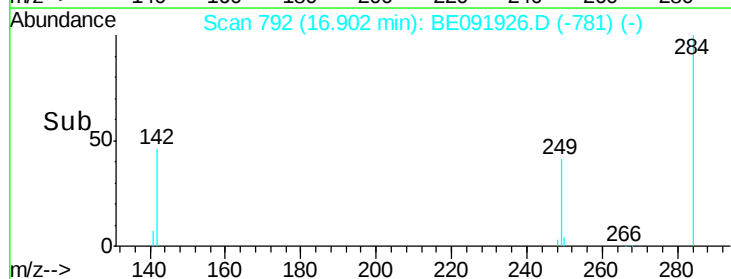
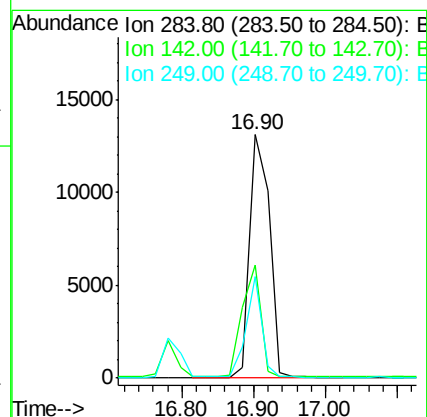
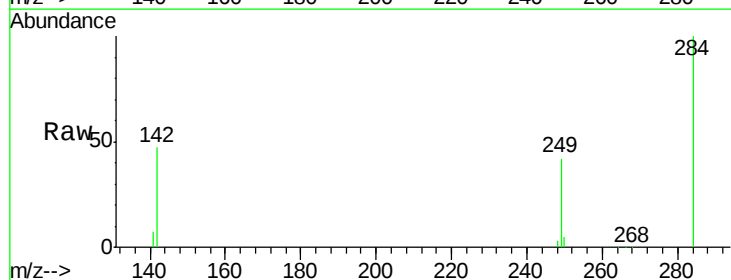
Instrument :
 BNA_E
 ClientSampleId :
 PB91250BSD

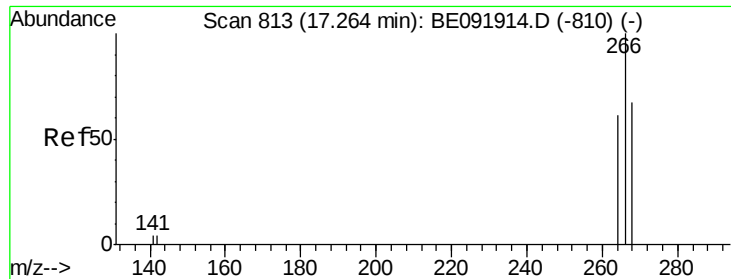
Tgt Ion:248 Resp: 25048
 Ion Ratio Lower Upper
 248 100
 250 95.2 75.7 113.5
 141 84.2 64.6 97.0



#26
 Hexachlorobenzene
 Concen: 3.87 ng
 RT: 16.90 min Scan# 792
 Delta R.T. -0.02 min
 Lab File: BE091926.D
 Acq: 15 Jun 2016 15:52

Tgt Ion:284 Resp: 24861
 Ion Ratio Lower Upper
 284 100
 142 42.5 31.4 47.2
 249 32.1 25.3 37.9





#27

Pentachlorophenol

Concen: 6.25 ng

RT: 17.25 min Scan# 812

Delta R.T. 0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

Instrument :

BNA_E

ClientSampleId :

PB91250BSD

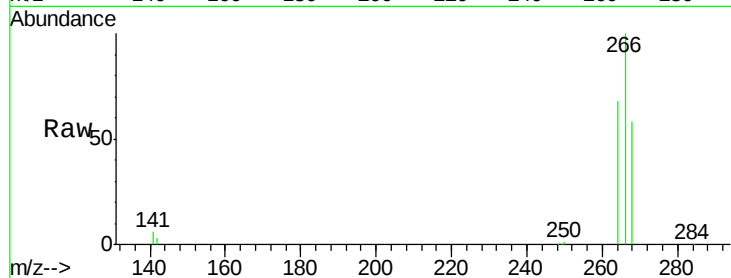
Tgt Ion:266 Resp: 20783

Ion Ratio Lower Upper

266 100

268 57.8 60.5 90.7#

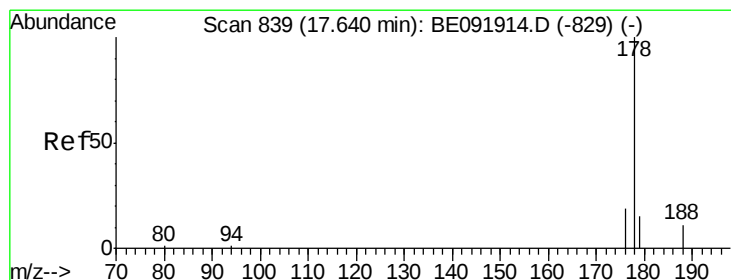
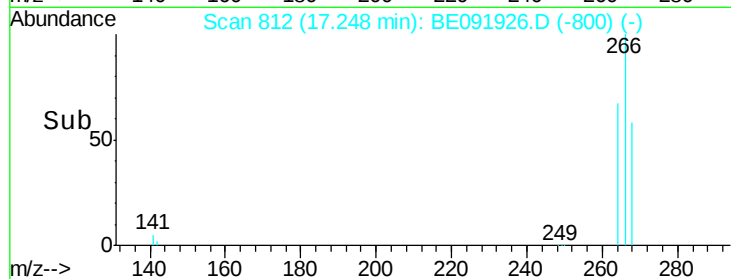
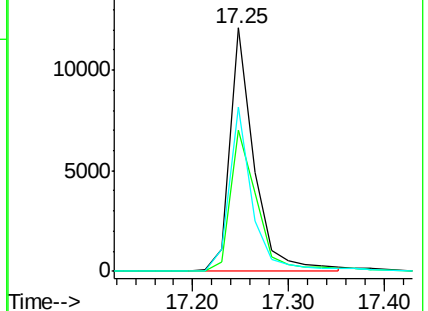
264 67.5 51.0 76.4



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: 3.62 ng

RT: 17.64 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

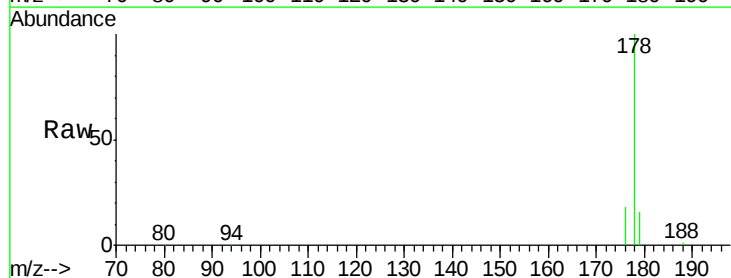
Tgt Ion:178 Resp: 146659

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

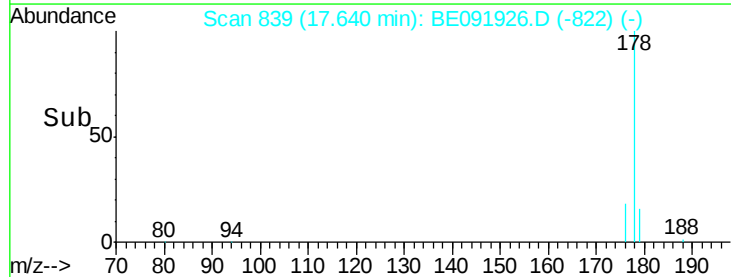
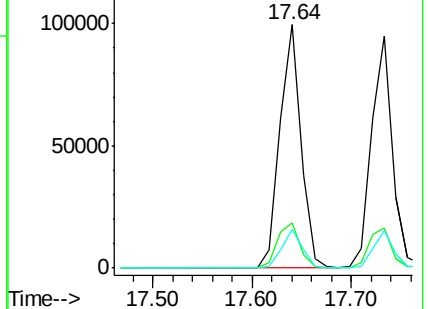
179 15.5 12.9 19.3

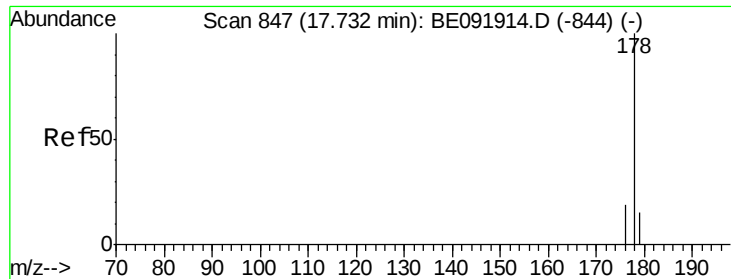


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 3.90 ng

RT: 17.73 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

Instrument :

BNA_E

ClientSampleId :

PB91250BSD

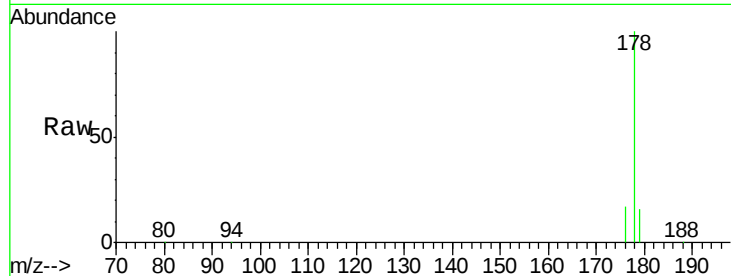
Tgt Ion:178 Resp: 139940

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

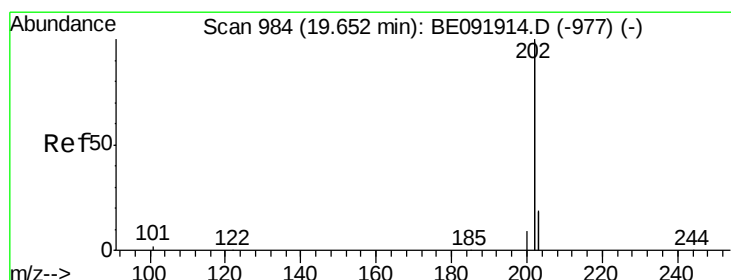
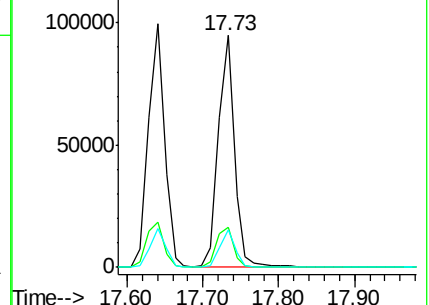
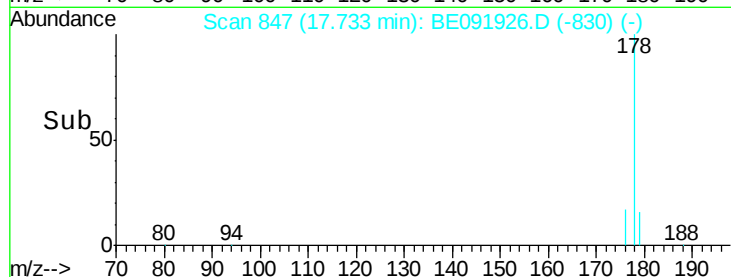
179 15.0 12.1 18.1



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: 3.25 ng

RT: 19.65 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

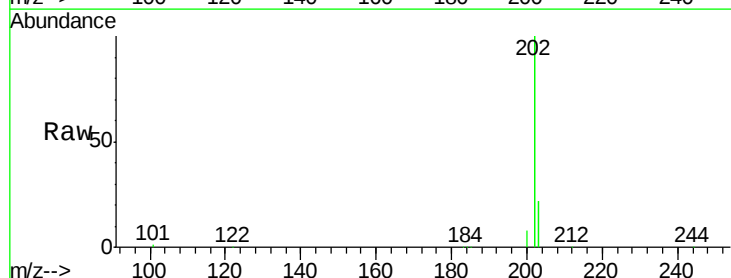
Tgt Ion:202 Resp: 563853

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

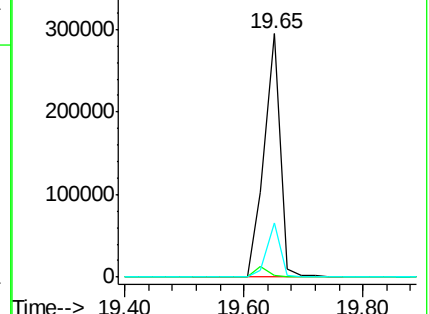
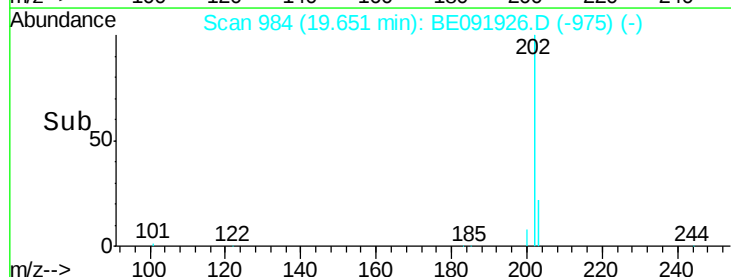
203 19.1 14.3 21.5

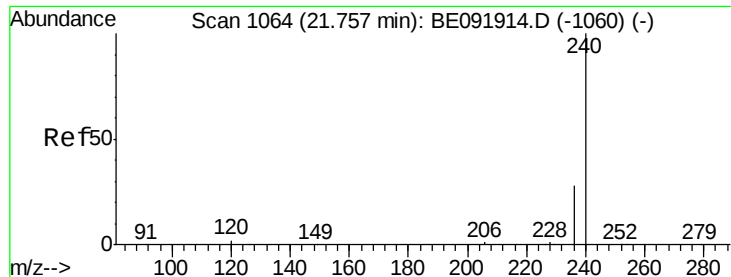


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.76 min Scan# 1064

Delta R.T. -0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

Instrument :

BNA_E

ClientSampleId :

PB91250BSD

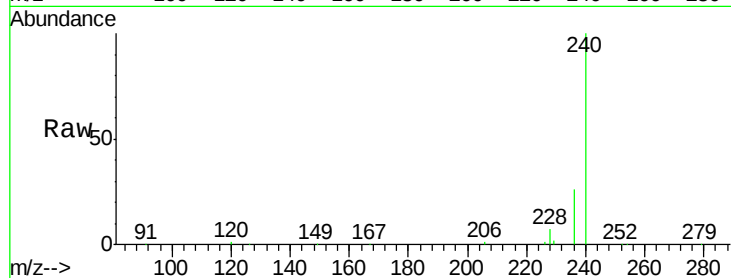
Tgt Ion:240 Resp: 244973

Ion Ratio Lower Upper

240 100

120 1.3 1.2 1.8

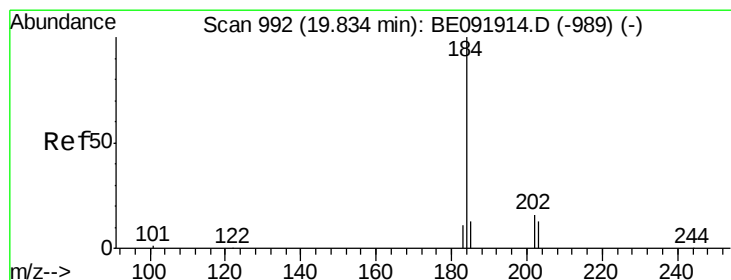
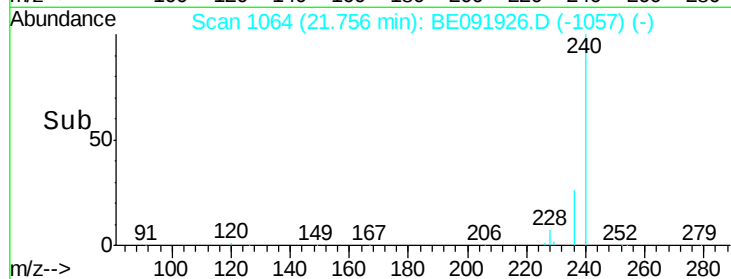
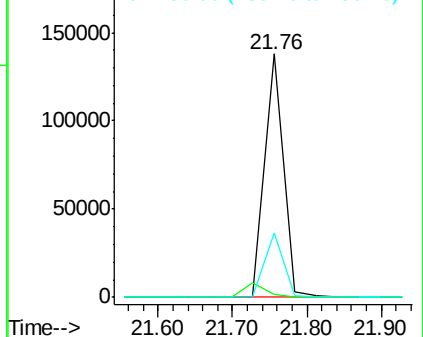
236 26.3 19.8 29.8



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



#32

Benzidine

Concen: 0.92 ng

RT: 19.83 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

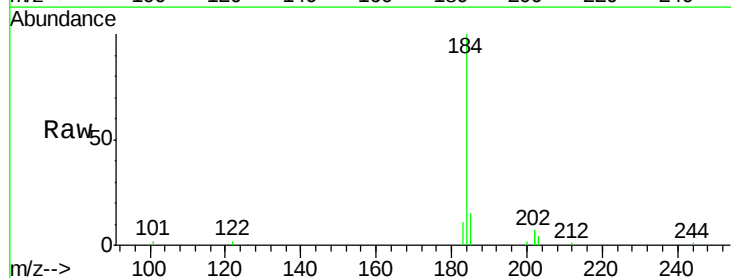
Tgt Ion:184 Resp: 8622

Ion Ratio Lower Upper

184 100

185 15.2 11.4 17.2

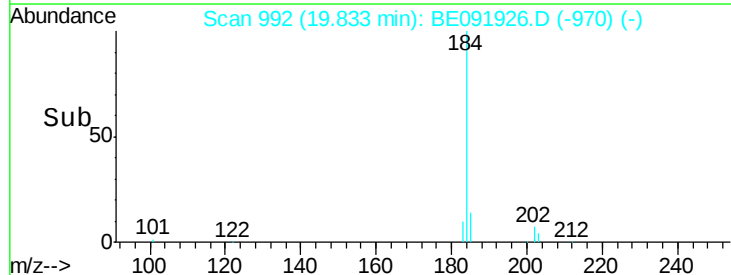
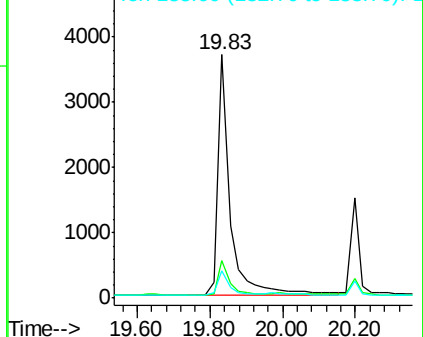
183 11.4 11.8 17.6#

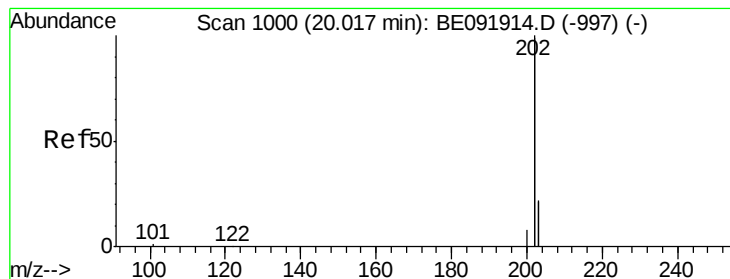


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 3.57 ng

RT: 20.02 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

Instrument :

BNA_E

ClientSampleId :

PB91250BSD

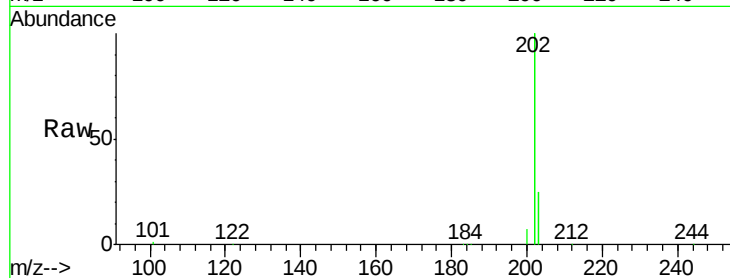
Tgt Ion: 202 Resp: 595586

Ion Ratio Lower Upper

202 100

200 0.0 16.9 25.3#

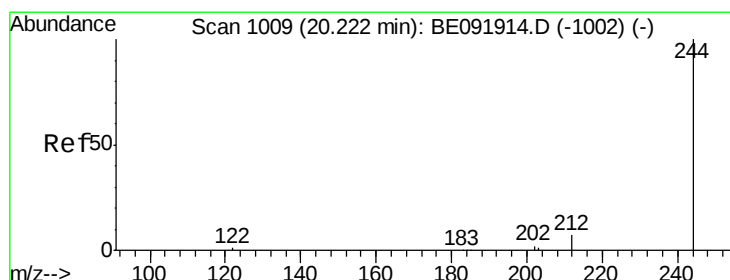
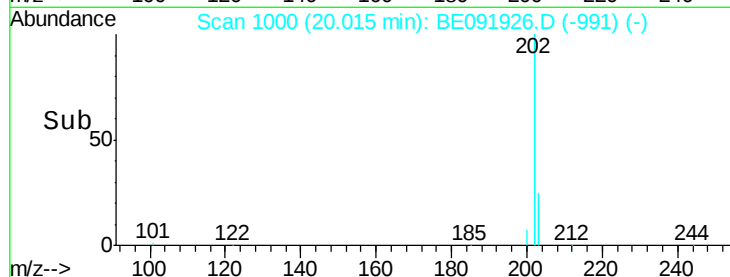
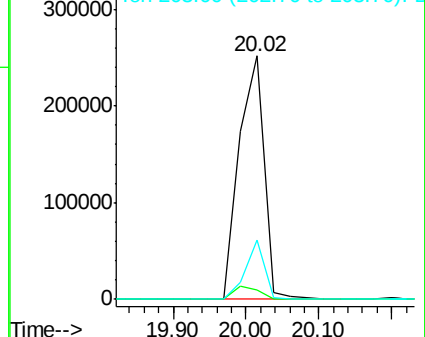
203 18.9 14.1 21.1



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: 3.59 ng

RT: 20.22 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

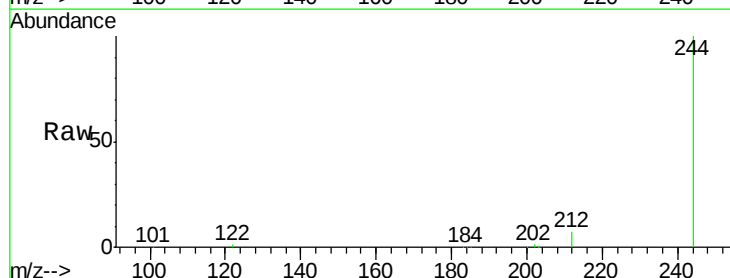
Tgt Ion: 244 Resp: 107606

Ion Ratio Lower Upper

244 100

212 7.0 6.5 9.7

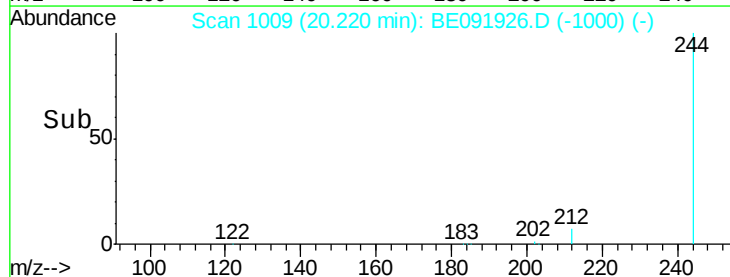
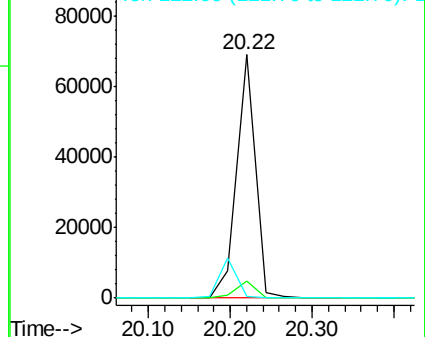
122 0.6 2.9 4.3#

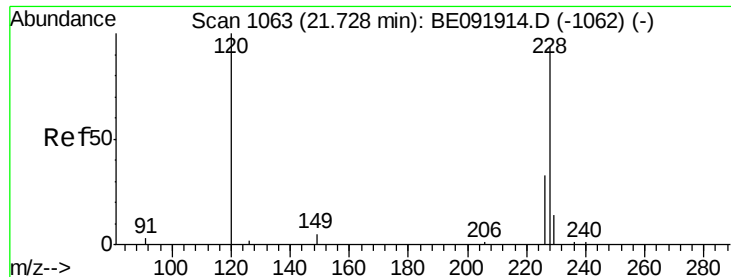


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 4.33 ng

RT: 21.73 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

Instrument :

BNA_E

ClientSampleId :

PB91250BSD

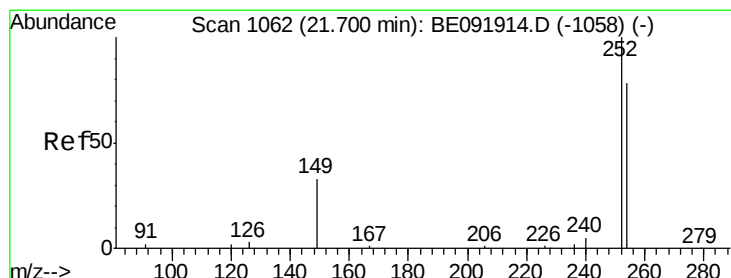
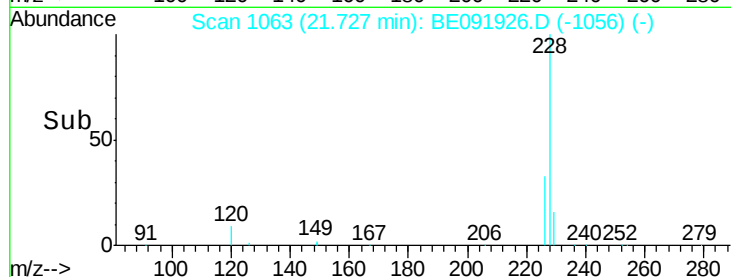
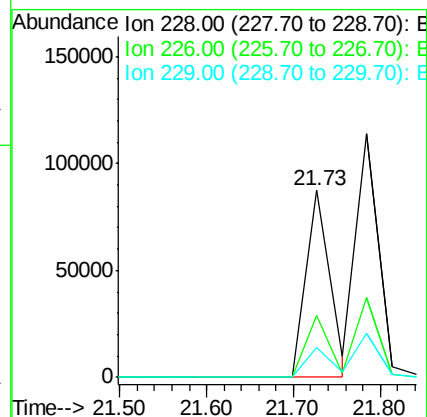
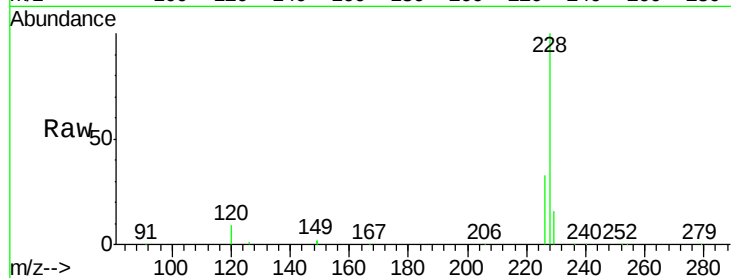
Tgt Ion:228 Resp: 166566

Ion Ratio Lower Upper

228 100

226 33.0 21.0 31.4#

229 16.0 15.8 23.8



#36

3,3'-Dichlorobenzidine

Concen: 2.44 ng

RT: 21.67 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

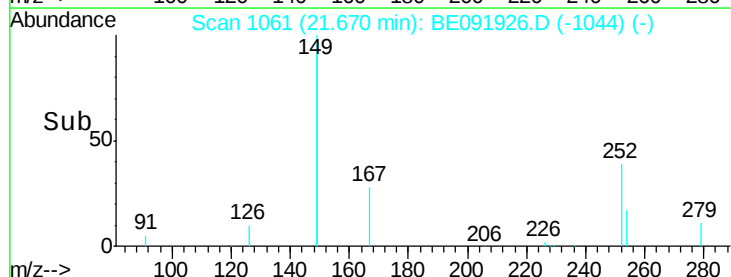
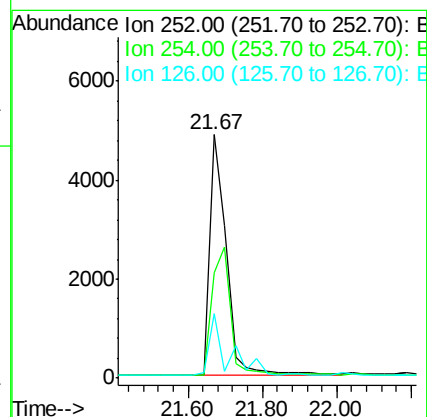
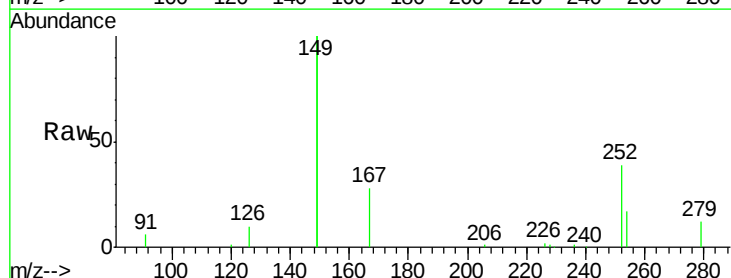
Tgt Ion:252 Resp: 15231

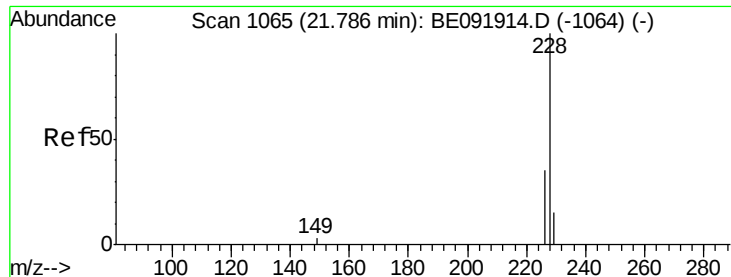
Ion Ratio Lower Upper

252 100

254 43.3 61.5 92.3#

126 26.6 2.5 3.7#





#37

Chrysene

Concen: 2.96 ng

RT: 21.73 min Scan# 1063

Delta R.T. -0.06 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

Instrument :

BNA_E

ClientSampleId :

PB91250BSD

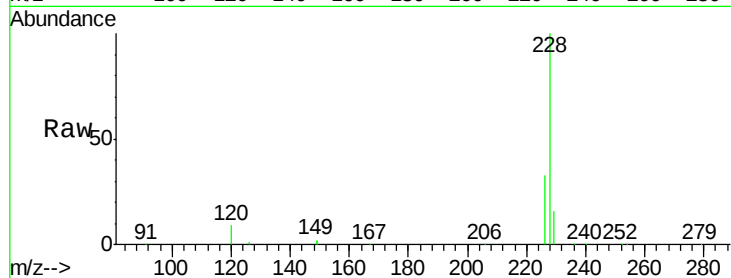
Tgt Ion:228 Resp: 166572

Ion Ratio Lower Upper

228 100

226 33.0 27.0 40.6

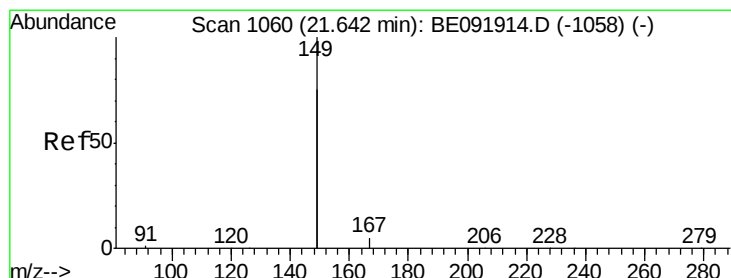
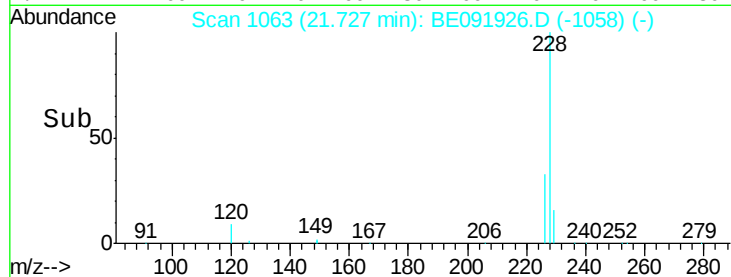
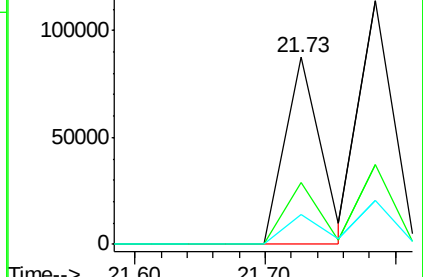
229 16.0 13.8 20.8



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



#38

Bis(2-ethylhexyl)phthalate

Concen: 3.46 ng

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

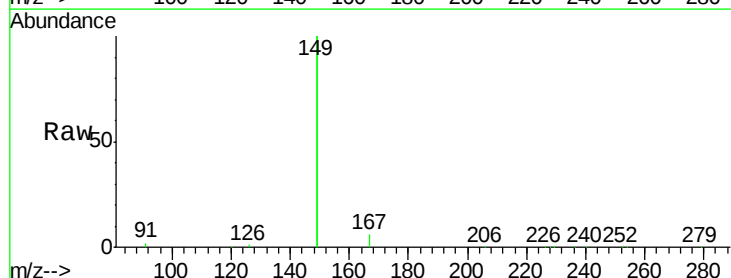
Tgt Ion:149 Resp: 113808

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

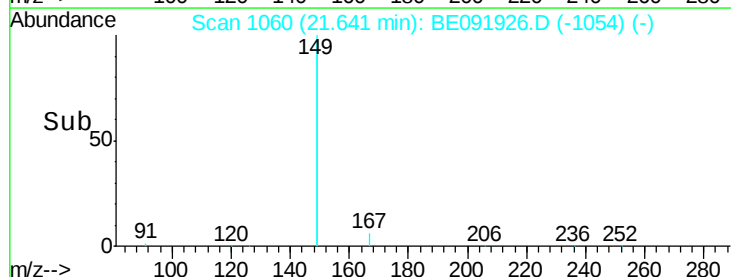
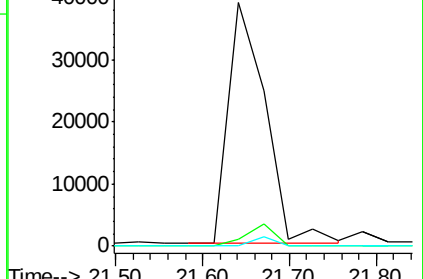
279 0.0 0.0 0.0

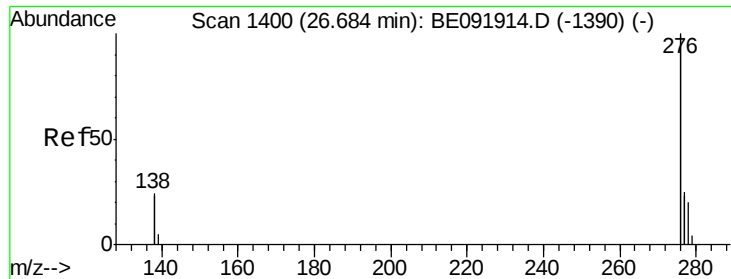


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 4.29 ng

RT: 26.68 min Scan# 1401

Delta R.T. -0.00 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

Instrument :

BNA_E

ClientSampleId :

PB91250BSD

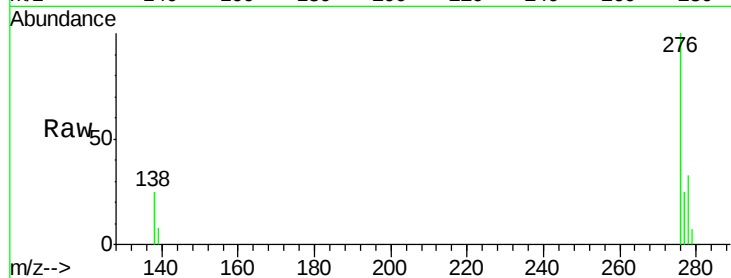
Tgt Ion: 276 Resp: 825035

Ion Ratio Lower Upper

276 100

138 26.8 19.7 29.5

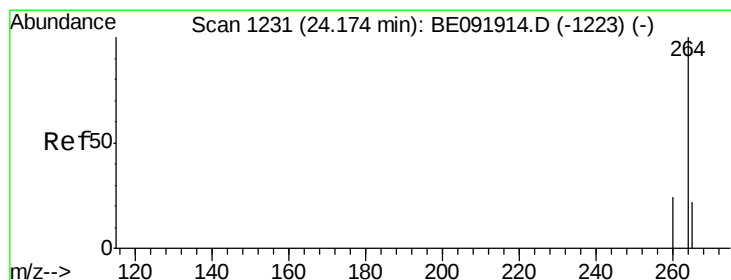
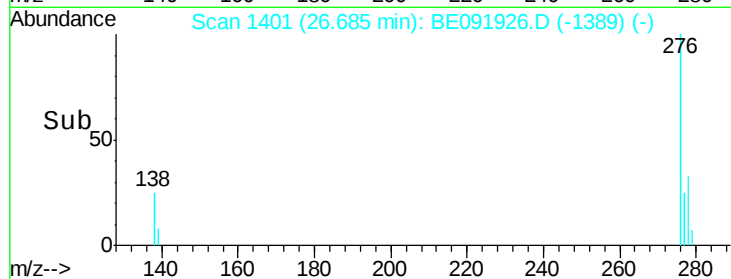
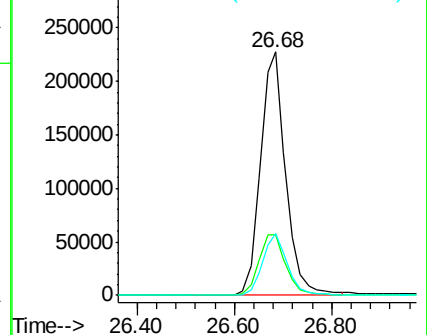
277 24.8 20.1 30.1



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: 24.16 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

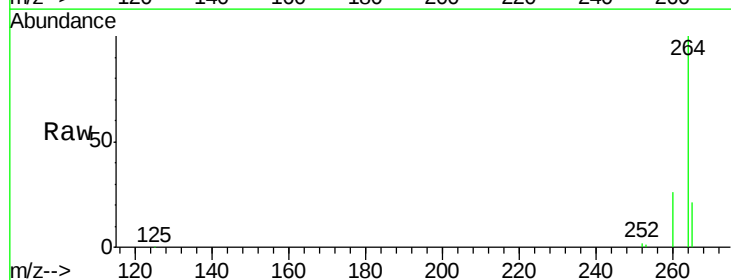
Tgt Ion: 264 Resp: 175185

Ion Ratio Lower Upper

264 100

260 26.1 20.3 30.5

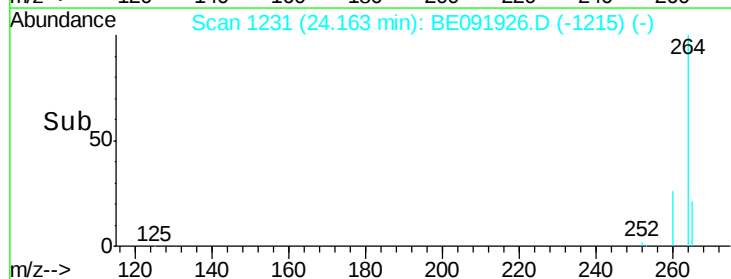
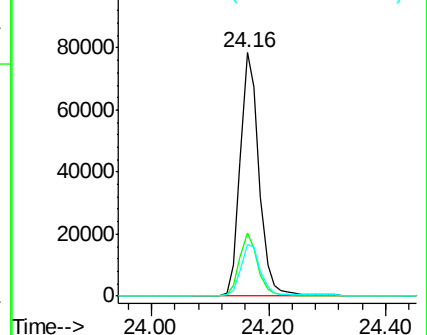
265 21.3 17.6 26.4

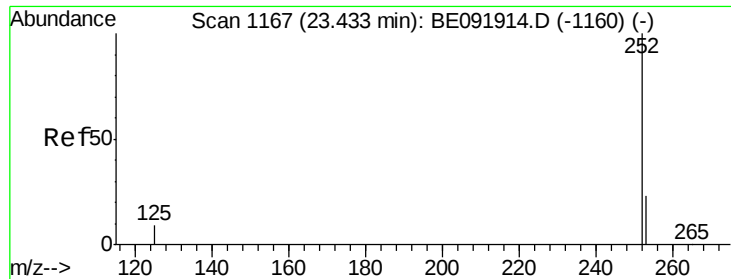


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

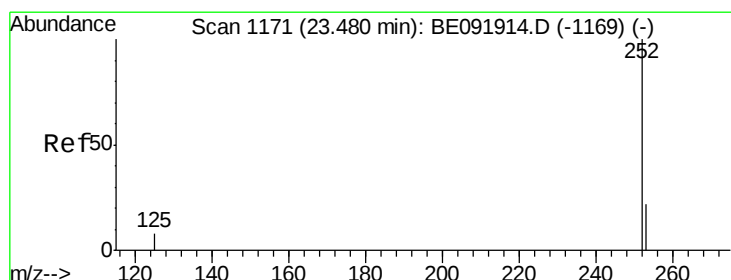
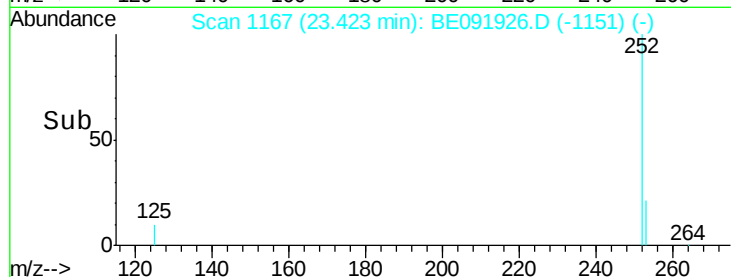
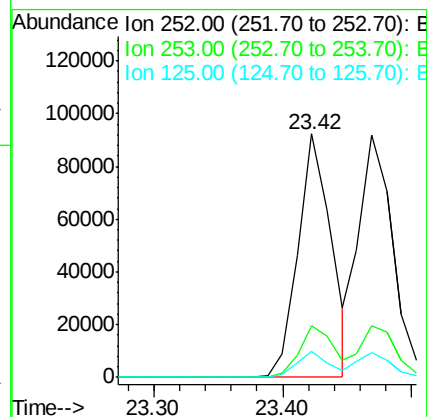
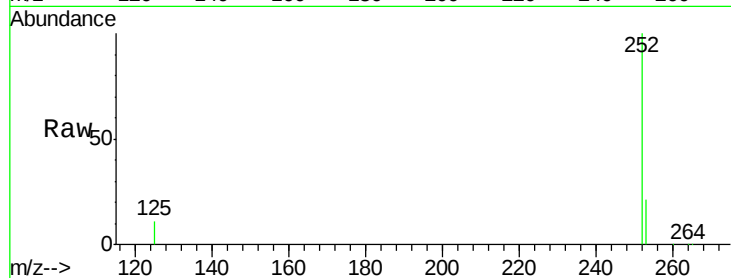




#41
Benzo(b)fluoranthene
Concen: 3.67 ng
RT: 23.42 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE091926.D
Acq: 15 Jun 2016 15:52

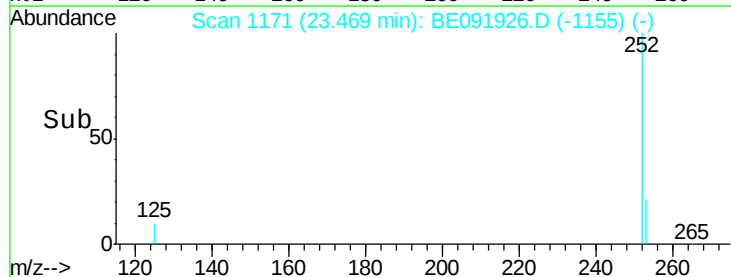
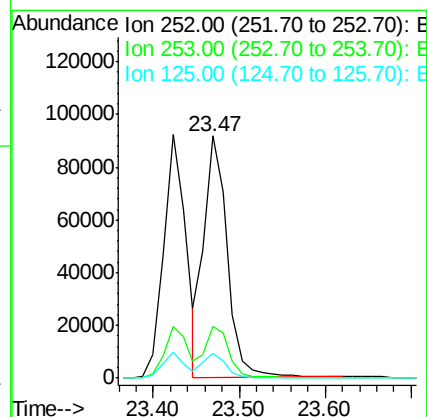
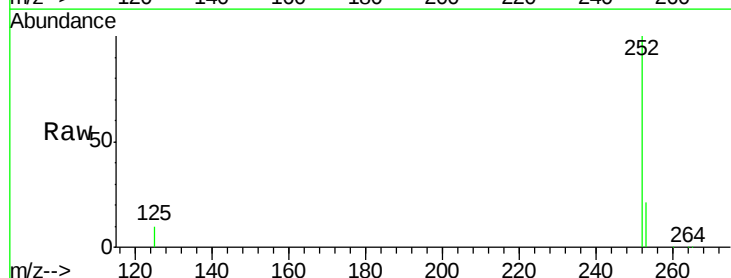
Instrument :
BNA_E
ClientSampleId :
PB91250BSD

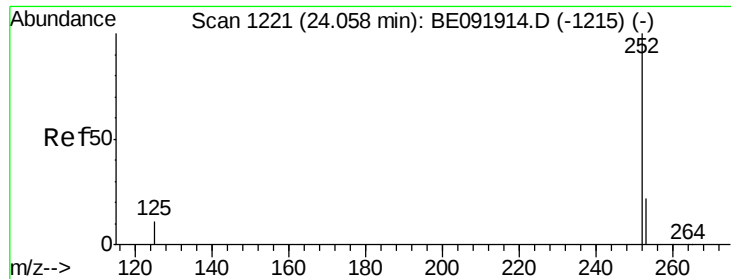
Tgt Ion: 252 Resp: 165228
Ion Ratio Lower Upper
252 100
253 21.1 17.8 26.6
125 10.5 9.4 14.2



#42
Benzo(k)fluoranthene
Concen: 4.15 ng
RT: 23.47 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BE091926.D
Acq: 15 Jun 2016 15:52

Tgt Ion: 252 Resp: 170982
Ion Ratio Lower Upper
252 100
253 21.1 19.4 29.2
125 10.5 8.3 12.5





#43

Benzo(a)pyrene

Concen: 4.04 ng

RT: 24.05 min Scan# 1221

Delta R.T. -0.01 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

Instrument :

BNA_E

ClientSampleId :

PB91250BSD

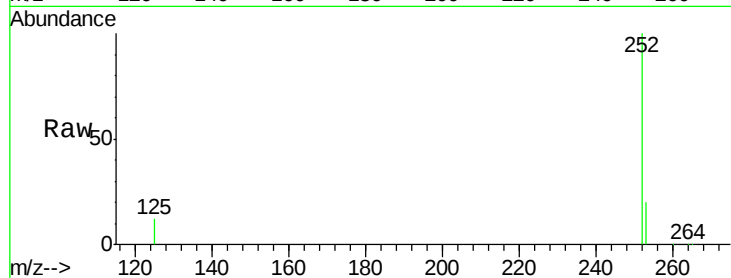
Tgt Ion: 252 Resp: 158839

Ion Ratio Lower Upper

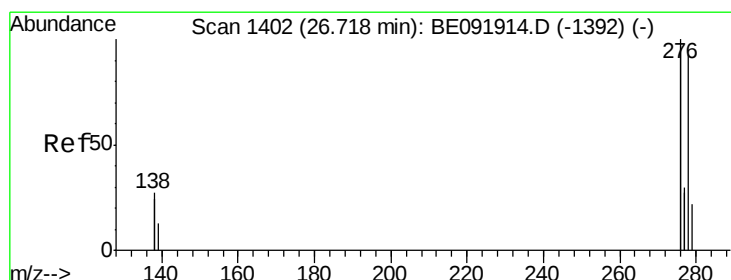
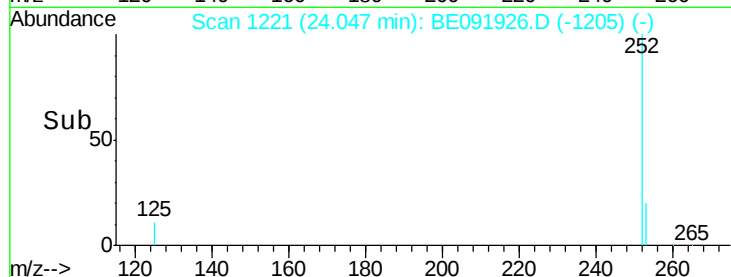
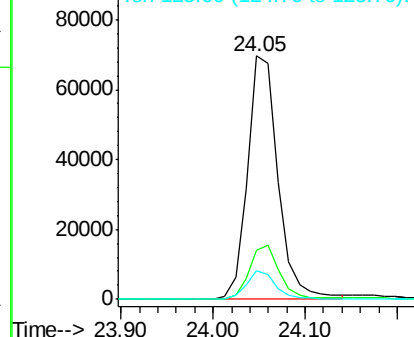
252 100

253 20.3 18.9 28.3

125 11.6 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: 4.59 ng

RT: 26.70 min Scan# 1402

Delta R.T. -0.02 min

Lab File: BE091926.D

Acq: 15 Jun 2016 15:52

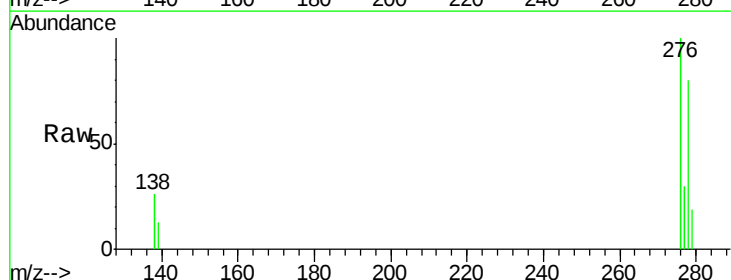
Tgt Ion: 278 Resp: 175484

Ion Ratio Lower Upper

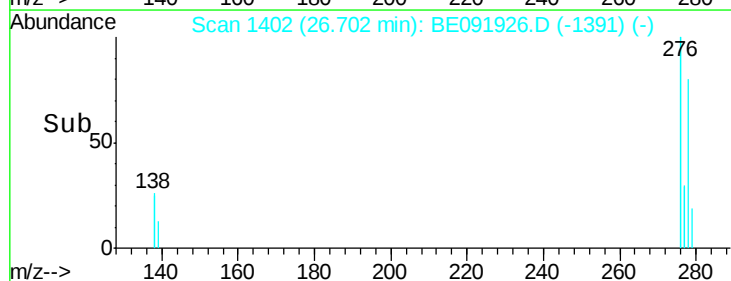
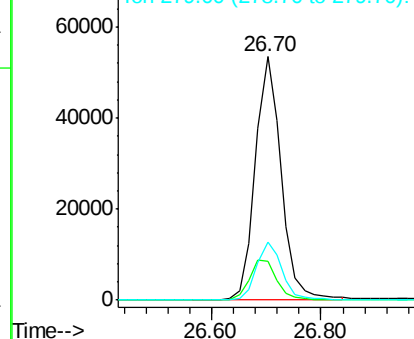
278 100

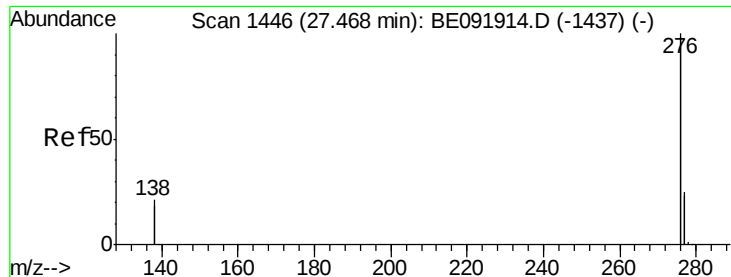
139 15.8 12.6 18.8

279 23.7 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(g,h,i)perylene

Concen: 4.56 ng

RT: 27.45 min Scan# 1446

Delta R.T. -0.02 min

Lab File: BE091926.D

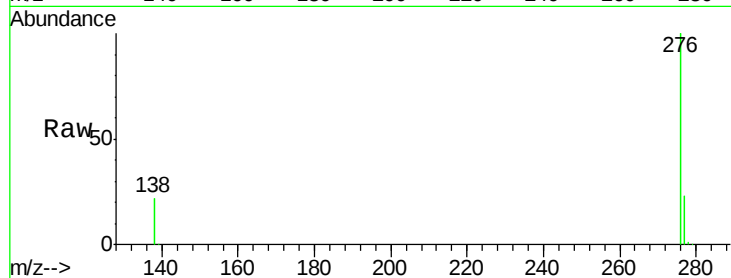
Acq: 15 Jun 2016 15:52

Instrument :

BNA_E

ClientSampleId :

PB91250BSD



Tgt Ion: 276 Resp: 720305

Ion Ratio Lower Upper

276 100

277 23.2 19.5 29.3

138 22.3 17.7 26.5

