

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061416\
 Data File : BE091909.D
 Acq On : 14 Jun 2016 12:36
 Operator : UM/SJ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 14 17:08:16 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE061416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 14 17:07:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	25052	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	117382	5.00	ng	-0.03
15) Acenaphthene-d10	14.86	164	90553	5.00	ng	0.00
24) Phenanthrene-d10	17.61	188	181982	5.00	ng	0.00
31) Chrysene-d12	21.76	240	274854	5.00	ng	0.00
40) Perylene-d12	24.17	264	215398	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	63189	11.83	ng	-0.02
5) Phenol-d6	7.35	99	91919	13.90	ng	-0.02
9) Nitrobenzene-d5	9.37	82	96676	12.25	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	31380	12.16	ng	-0.02
17) 2-Fluorobiphenyl	13.48	172	224166	8.16	ng	0.00
34) Terphenyl-d14	20.22	244	379324	7.75	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	32549	8.32	ng	91
3) n-Nitrosodimethylamine	3.80	42	50202	11.98	ng	85
6) bis(2-Chloroethyl)ether	7.61	93	80847	11.28	ng	97
7) n-Nitroso-di-n-propylamine	9.00	70	78544	13.88	ng	# 99
10) Nitrobenzene	9.40	77	103524	14.52	ng	# 99
11) bis(2-Chloroethoxy)methane	10.42	93	109393	9.18	ng	# 19
12) Naphthalene	11.04	128	257613	10.17	ng	# 93
13) Hexachlorobutadiene	11.34	225	41446	10.99	ng	98
14) 2-Methylnaphthalene	12.68	142	185999	11.39	ng	97
18) Acenaphthylene	14.56	152	996090	24.31	ng	# 61
19) 2,6-Dinitrotoluene	14.44	165	210580	48.46	ng	# 41
20) Acenaphthene	14.92	154	265275	10.59	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	234709	45.43	ng	# 90
22) Fluorene	15.90	166	260665	8.51	ng	100
23) 4-Chlorophenyl-phenylether	15.90	204	121845	8.11	ng	96
25) 4-Bromophenyl-phenylether	16.78	248	76132	11.64	ng	96
26) Hexachlorobenzene	16.92	284	74071	11.07	ng	98
27) Pentachlorophenol	17.25	266	43051	16.88	ng	# 83
28) Phenanthrene	17.64	178	453809	10.77	ng	99
29) Anthracene	17.73	178	451510	12.02	ng	99
30) Fluoranthene	19.65	202	2167355	47.62	ng	# 87
32) Benzidine	19.83	184	282595	15.43	ng	# 91
33) Pyrene	20.02	202	2191582	31.60	ng	# 79
35) Benzo(a)anthracene	21.78	228	963040	2.43	ng	# 84
36) 3,3'-Dichlorobenzidine	21.67	252	89783	4.68	ng	# 53
37) Chrysene	21.78	228	971224	3.47	ng	95
38) Bis(2-ethylhexyl)phthalate	21.67	149	499619	12.69	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	2512349	30.00	ng	98
41) Benzo(b)fluoranthene	23.43	252	591355	11.23	ng	97
42) Benzo(k)fluoranthene	23.48	252	540622	9.90	ng	97
43) Benzo(a)pyrene	24.06	252	554233	11.23	ng	95
44) Dibenzo(a,h)anthracene	26.72	278	532719	11.57	ng	98
45) Benzo(a,h,i)perylene	27.47	276	2167013	44.92	ng	98

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Response via : Initial Calibration

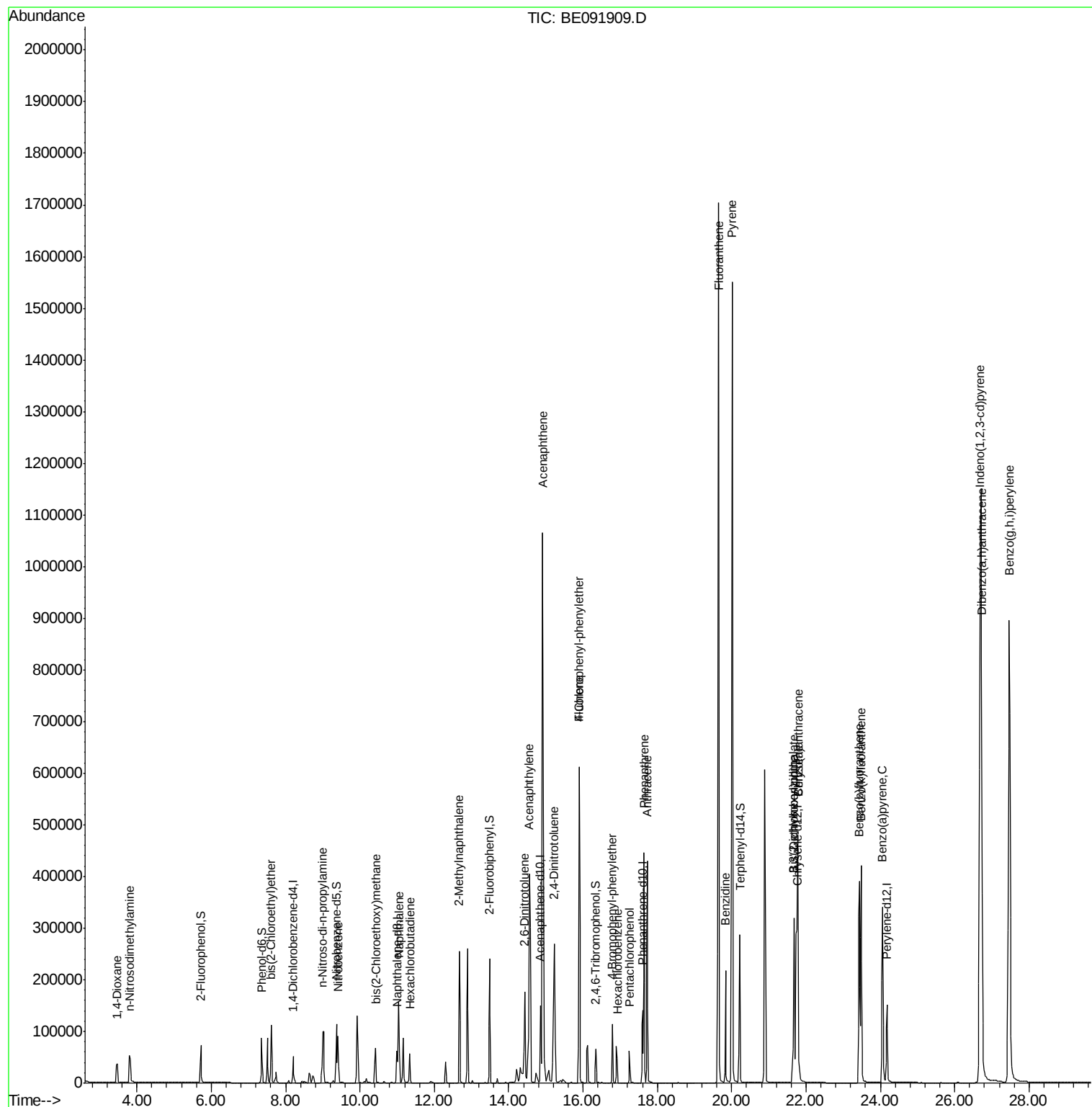
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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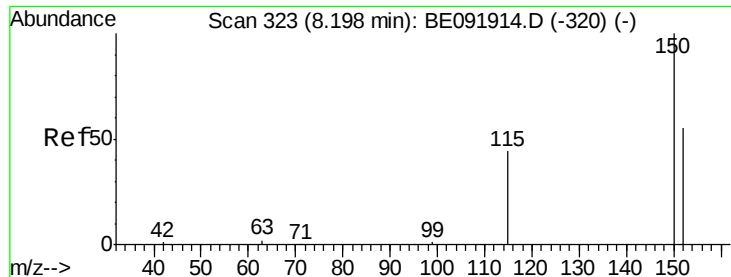
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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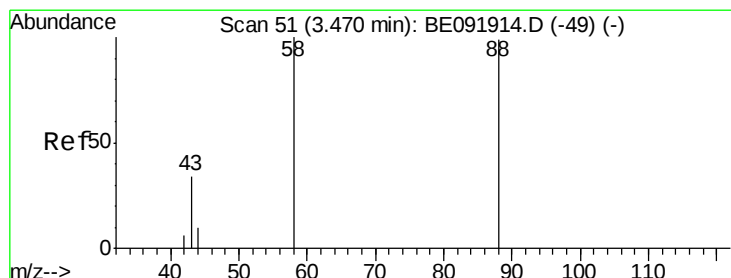
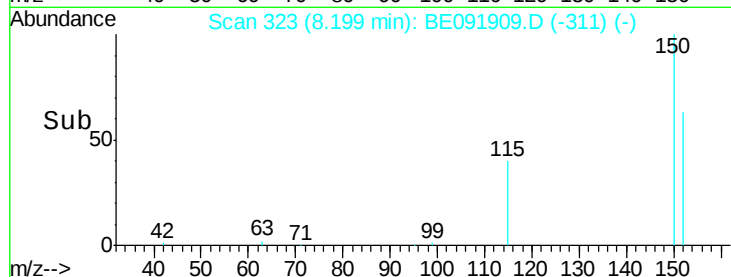
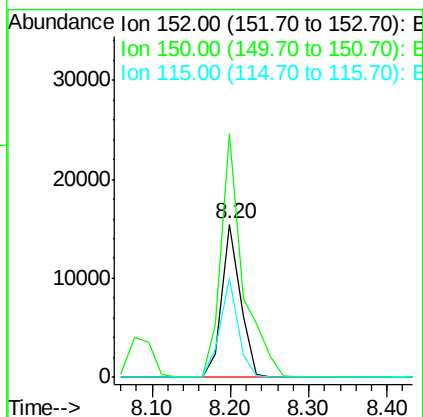
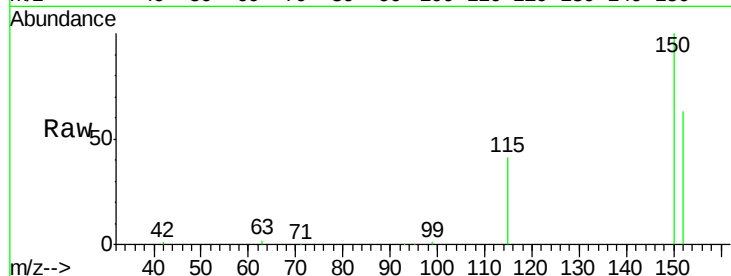


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.20 min Scan# 323
Delta R.T. 0.00 min
Lab File: BE091909.D
Acq: 14 Jun 2016 12:36

Instrument :
BNA_E
ClientSampleId :

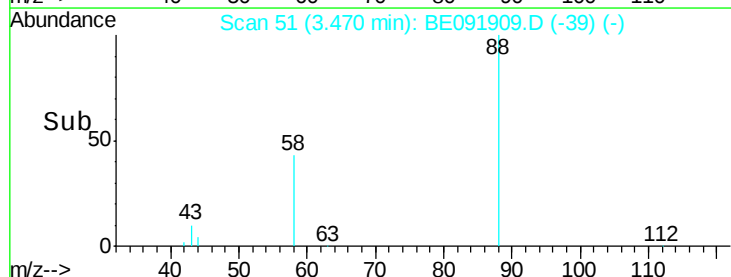
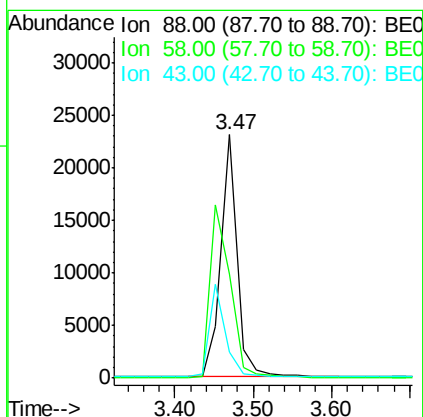
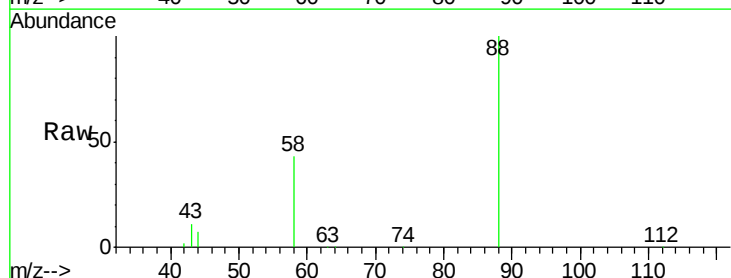
Tot Ion:152 Resp: 25052
Ion Ratio Lower Upper
152 100
150 159.3 123.9 185.9
115 64.8 48.3 72.5

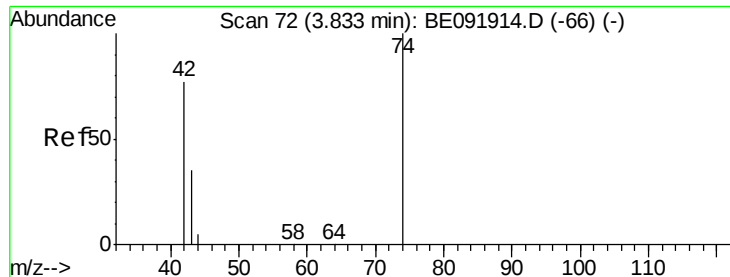


#2

1,4-Dioxane
Concen: 8.32 ng
RT: 3.47 min Scan# 51
Delta R.T. 0.00 min
Lab File: BE091909.D
Acq: 14 Jun 2016 12:36

Tgt Ion: 88 Resp: 32549
Ion Ratio Lower Upper
88 100
58 89.4 63.0 94.4
43 37.9 29.1 43.7



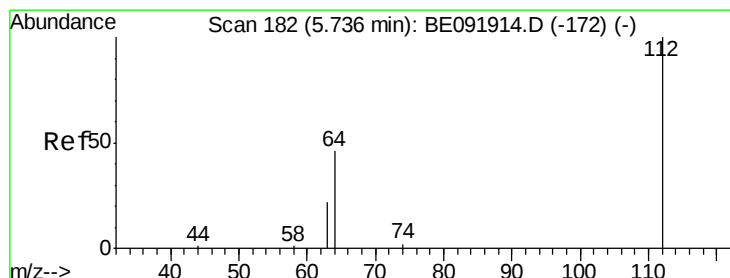
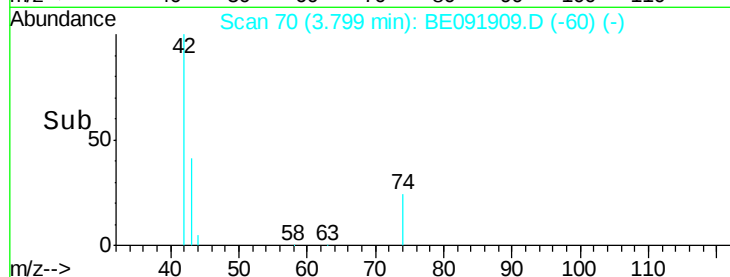
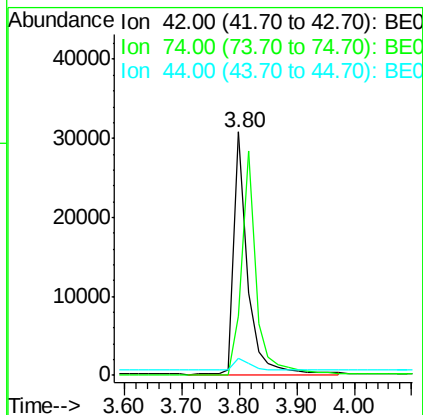
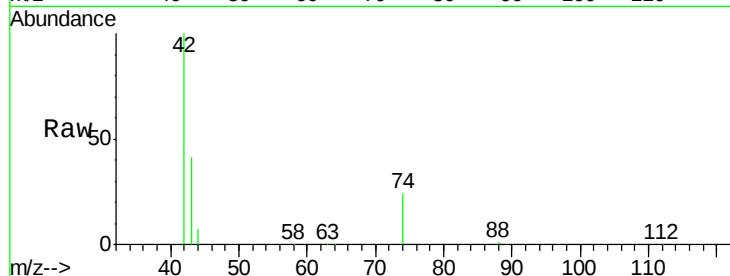


#3

n-Nitrosodimethylamine
 Concen: 11.98 ng
 RT: 3.80 min Scan# 70
 Delta R.T. -0.03 min
 Lab File: BE091909.D
 Acq: 14 Jun 2016 12:36

Instrument :
 BNA_E
 ClientSampleId :

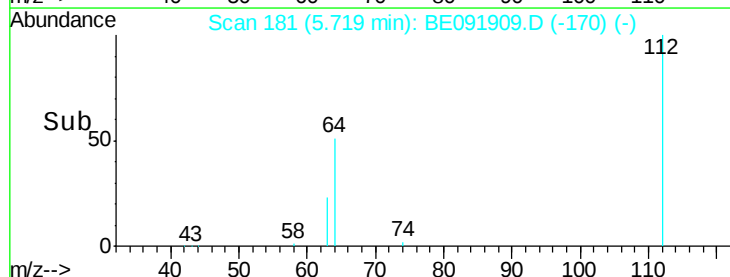
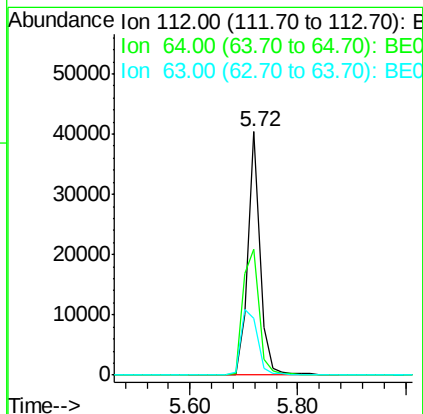
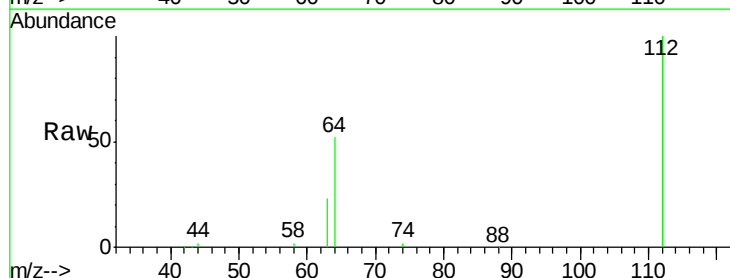
Tot Ion: 42 Resp: 50202
 Ion Ratio Lower Upper
 42 100
 74 99.7 93.4 140.0
 44 6.6 5.0 7.6

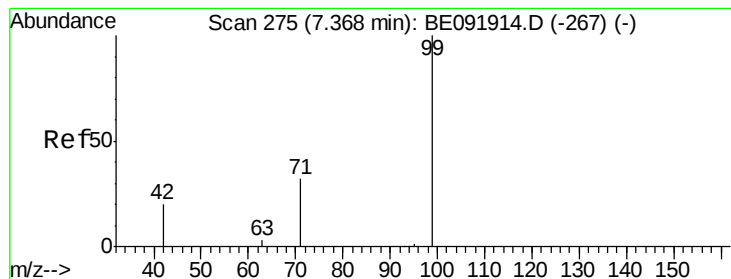


#4

2-Fluorophenol
 Concen: 11.83 ng
 RT: 5.72 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: BE091909.D
 Acq: 14 Jun 2016 12:36

Tgt Ion: 112 Resp: 63189
 Ion Ratio Lower Upper
 112 100
 64 68.5 53.7 80.5
 63 36.7 29.5 44.3





#5

Phenol-d6

Concen: 13.90 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

Instrument :

BNA_E

ClientSampleId :

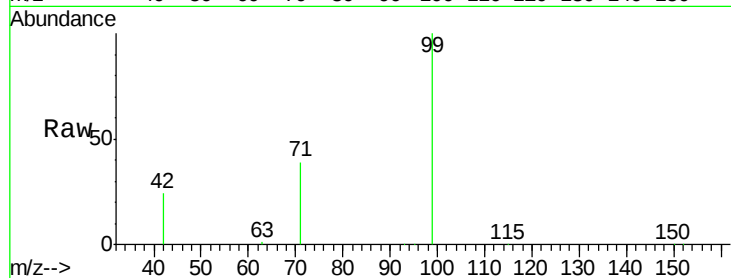
Tot Ion: 99 Resp: 91919

Ion Ratio Lower Upper

99 100

42 25.7 19.6 29.4

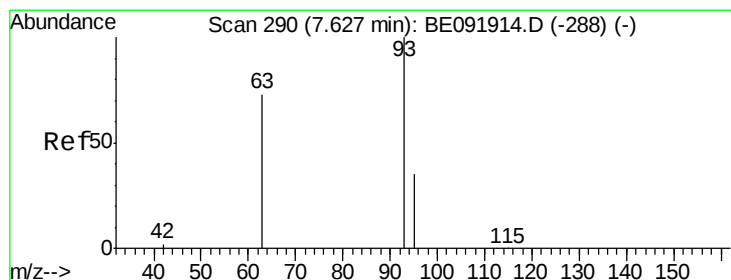
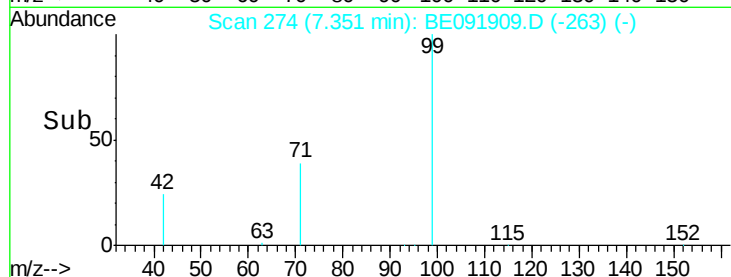
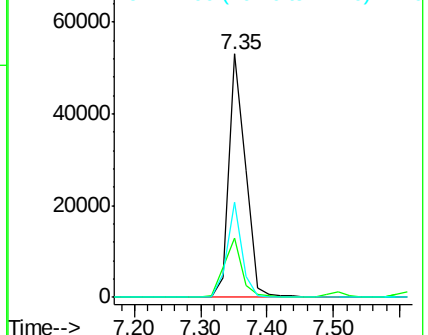
71 35.2 28.1 42.1



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: 11.28 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.02 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

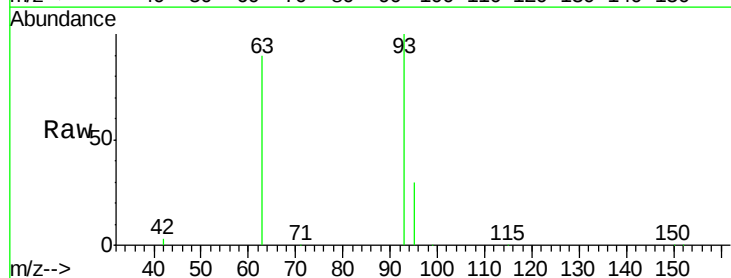
Tgt Ion: 93 Resp: 80847

Ion Ratio Lower Upper

93 100

63 86.3 66.2 99.4

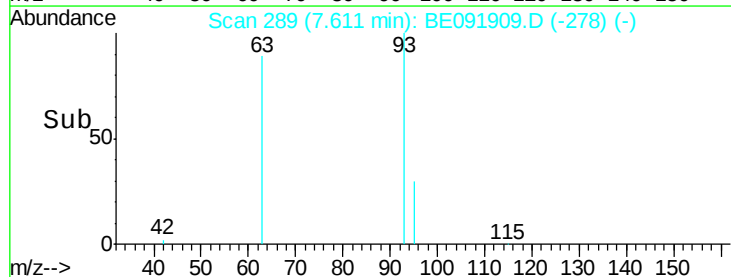
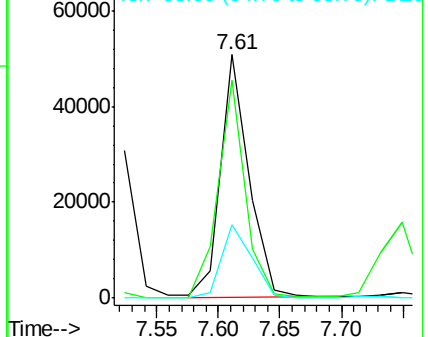
95 32.7 25.5 38.3

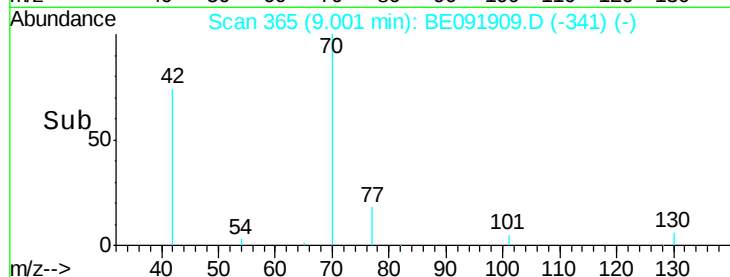
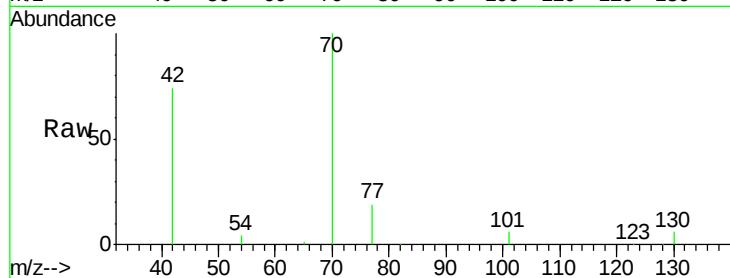
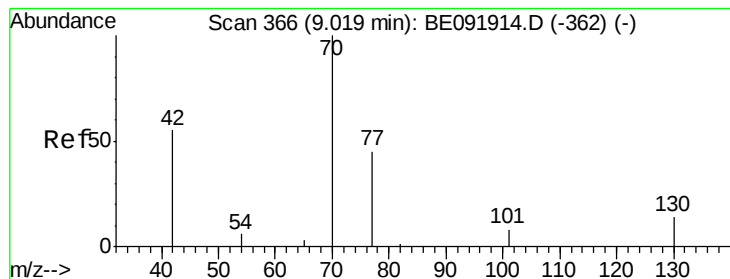


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 13.88 ng

RT: 9.00 min Scan# 365

Delta R.T. -0.02 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 70 Resp: 78544

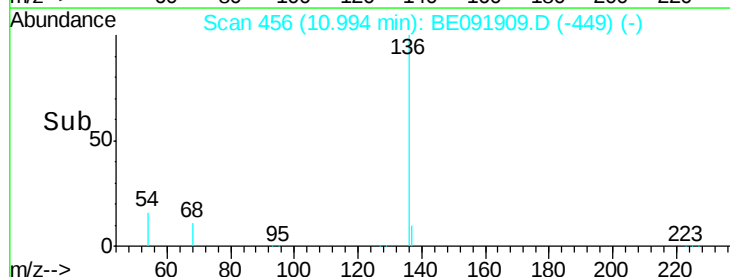
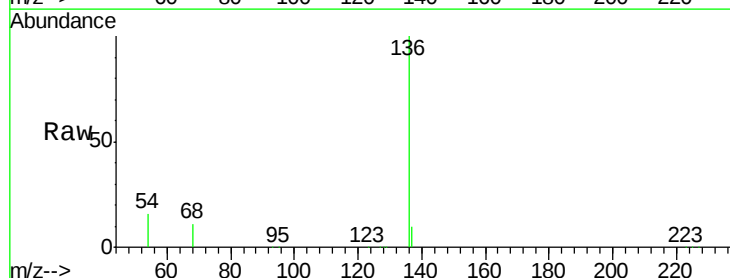
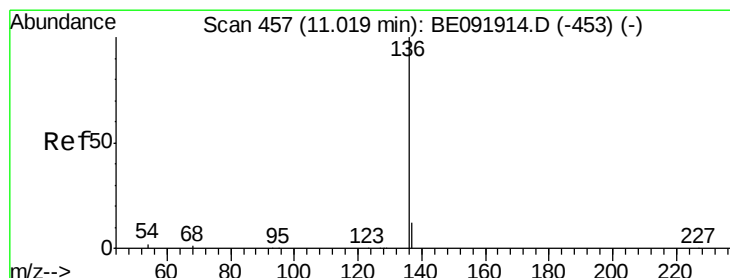
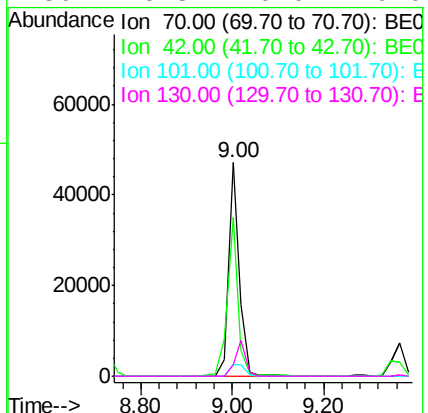
Ion Ratio Lower Upper

70 100

42 73.7 58.4 87.6

101 8.1 6.4 9.6

130 16.8 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. -0.03 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

Tgt Ion: 136 Resp: 117382

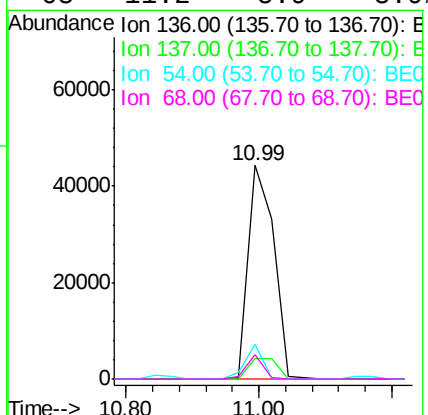
Ion Ratio Lower Upper

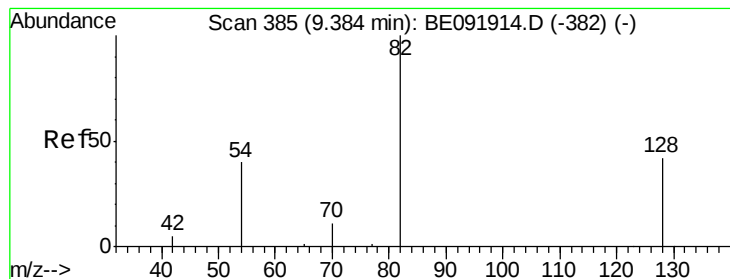
136 100

137 9.8 8.3 12.5

54 15.9 8.2 12.4#

68 11.2 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 12.25 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

Instrument :

BNA_E

ClientSampleId :

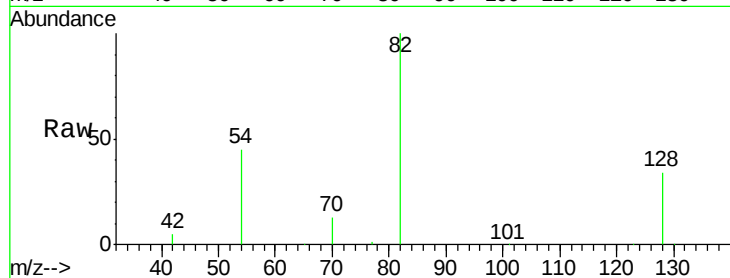
Tot Ion: 82 Resp: 96676

Ion Ratio Lower Upper

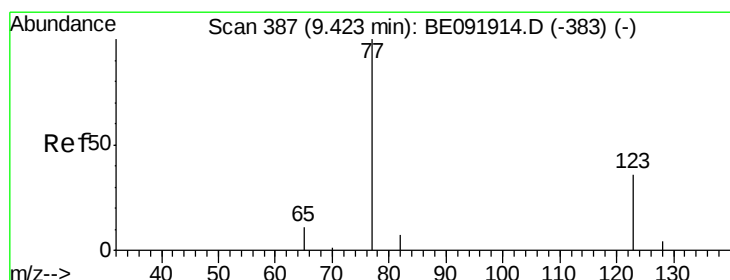
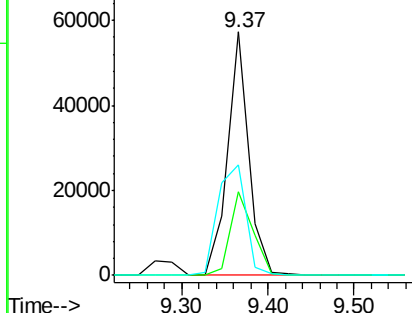
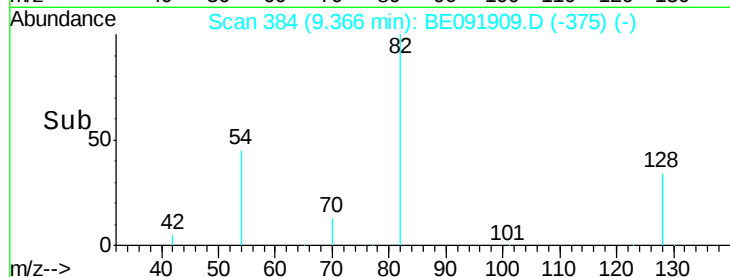
82 100

128 34.1 39.5 59.3#

54 45.3 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: 14.52 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.02 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

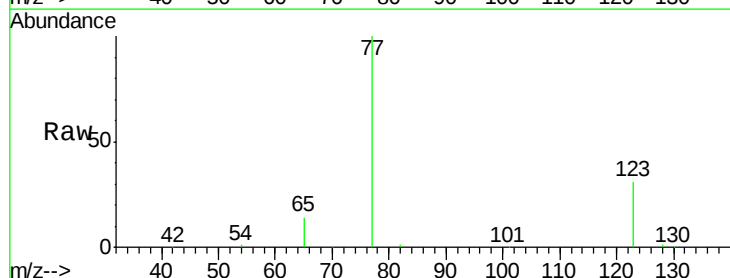
Tgt Ion: 77 Resp: 103524

Ion Ratio Lower Upper

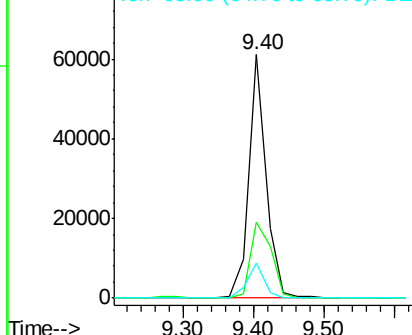
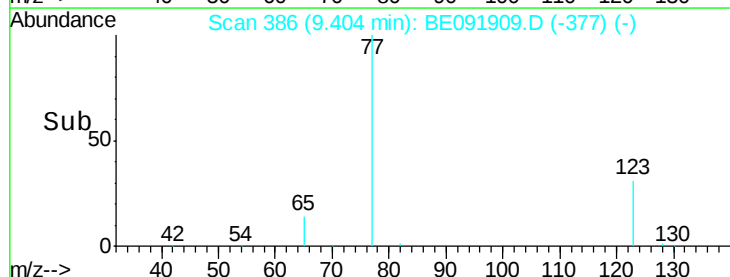
77 100

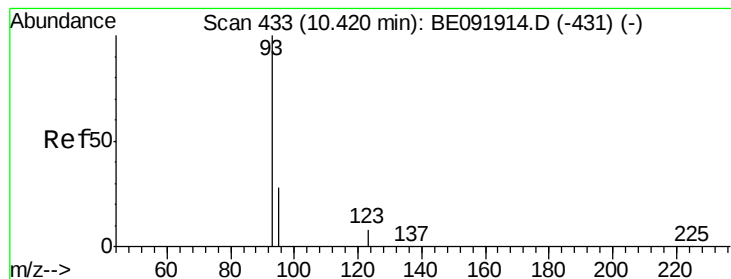
123 38.0 0.0 0.0#

65 14.3 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: 9.18 ng

RT: 10.42 min Scan# 433

Delta R.T. -0.00 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

Instrument :

BNA_E

ClientSampled :

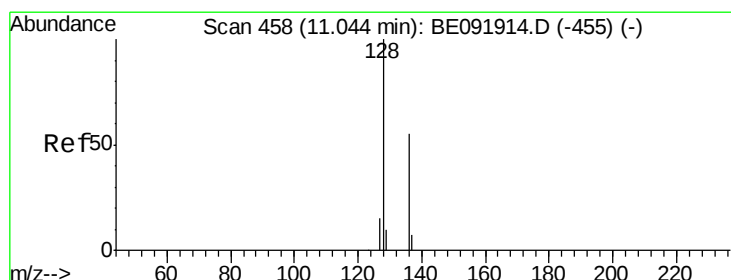
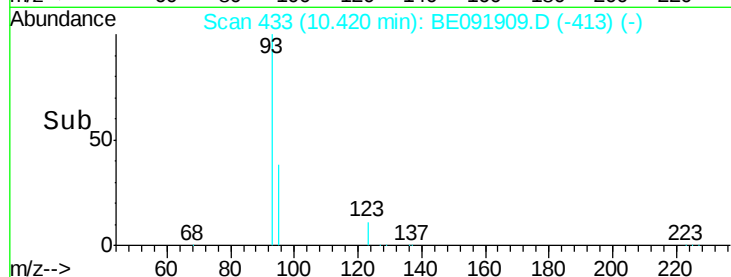
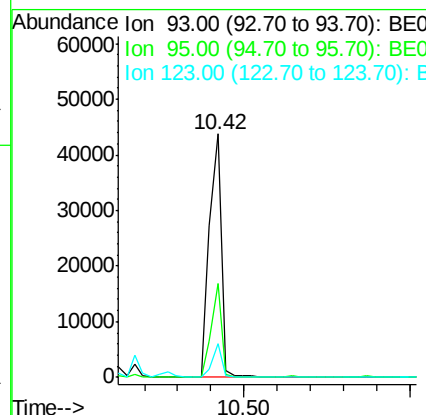
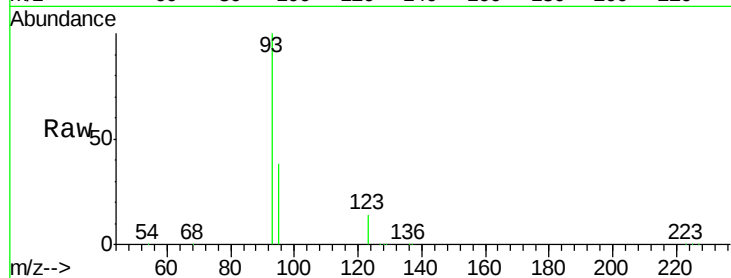
Tot Ion: 93 Resp: 109393

Ion Ratio Lower Upper

93 100

95 32.9 57.6 86.4#

123 10.8 100.2 150.4#



#12

Naphthalene

Concen: 10.17 ng

RT: 11.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

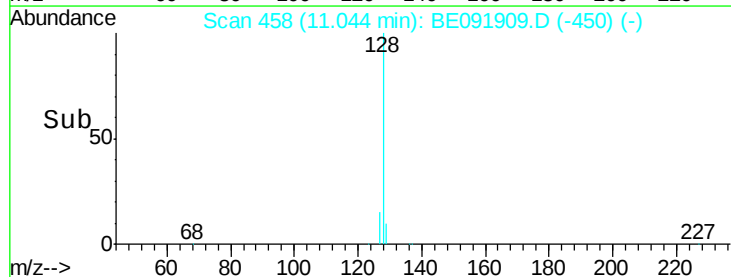
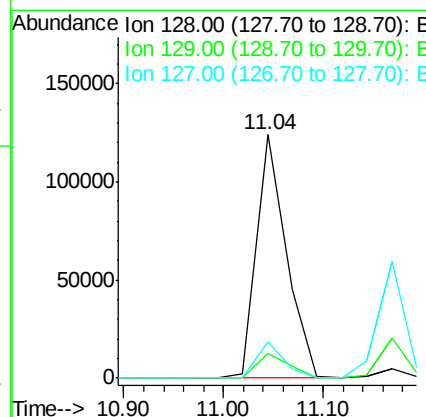
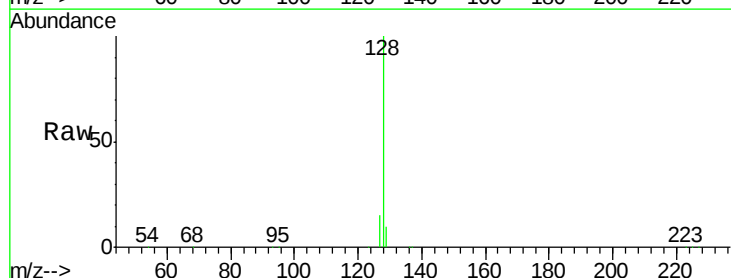
Tgt Ion: 128 Resp: 257613

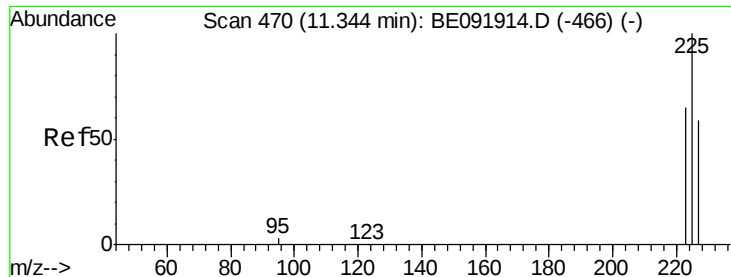
Ion Ratio Lower Upper

128 100

129 10.1 10.4 15.6#

127 14.9 10.2 15.2

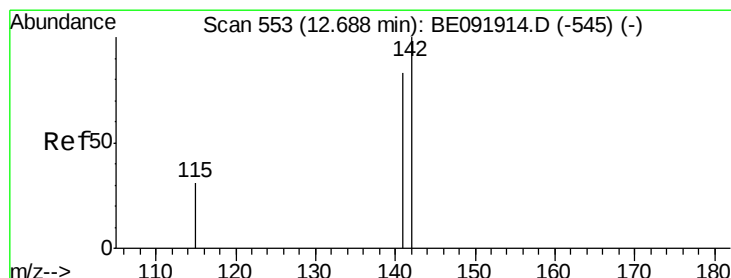
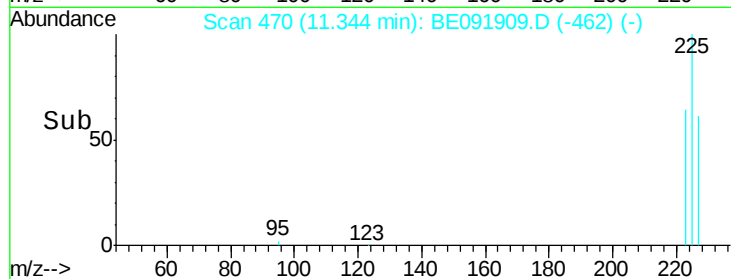
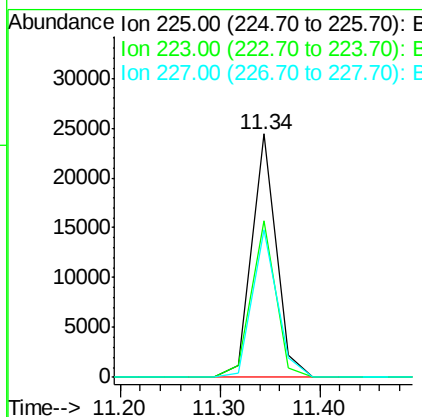
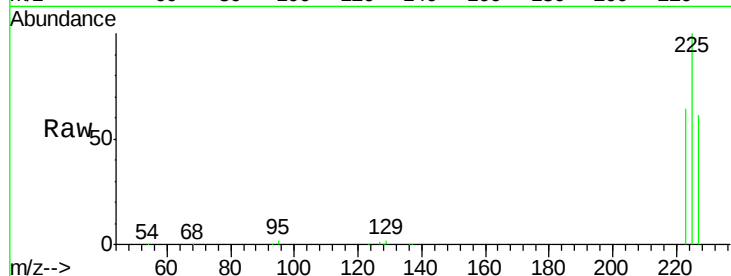




#13
Hexachlorobutadiene
Concen: 10.99 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091909.D
Acq: 14 Jun 2016 12:36

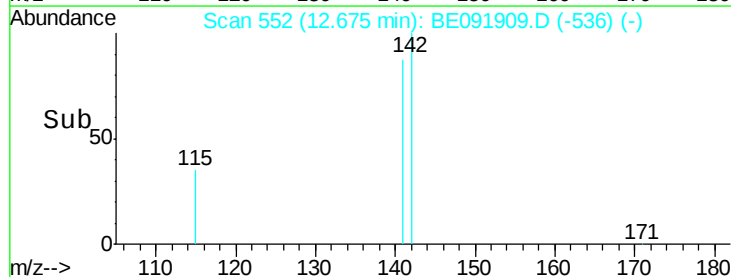
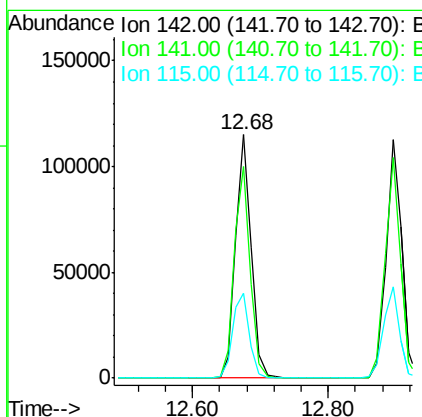
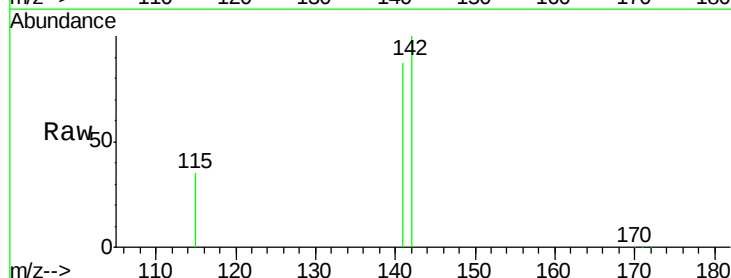
Instrument :
BNA_E
ClientSampleId :

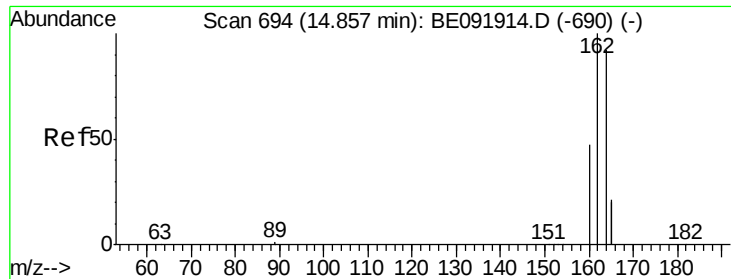
Tot Ion:225 Resp: 41446
Ion Ratio Lower Upper
225 100
223 63.9 49.8 74.8
227 62.3 50.6 75.8



#14
2-Methylnaphthalene
Concen: 11.39 ng
RT: 12.68 min Scan# 552
Delta R.T. -0.01 min
Lab File: BE091909.D
Acq: 14 Jun 2016 12:36

Tgt Ion:142 Resp: 185999
Ion Ratio Lower Upper
142 100
141 87.0 71.9 107.9
115 35.1 29.9 44.9





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. 0.00 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

Instrument :

BNA_E

ClientSampleId :

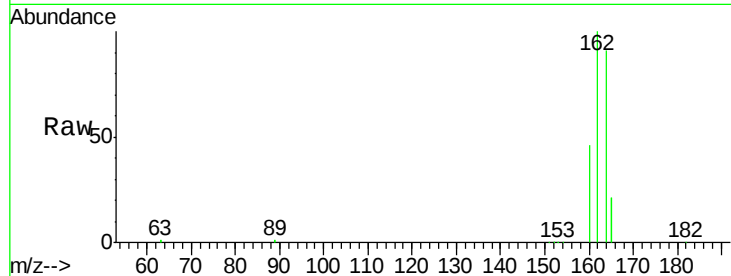
Tot Ion:164 Resp: 90553

Ion Ratio Lower Upper

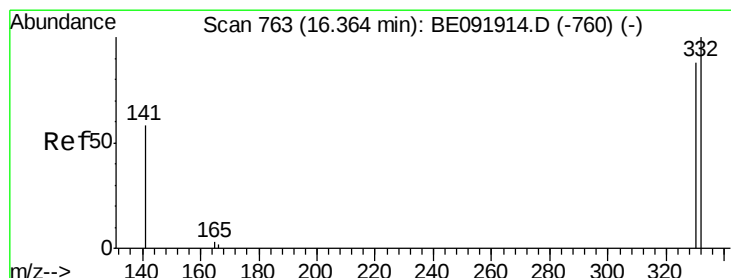
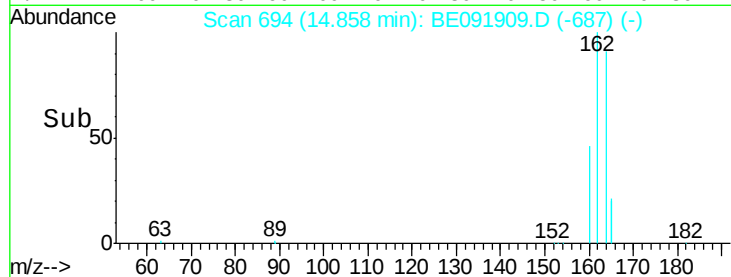
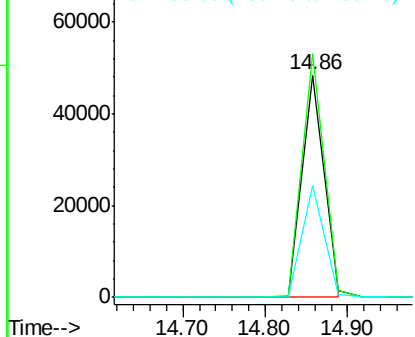
164 100

162 109.5 71.8 107.8#

160 50.4 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: 12.16 ng

RT: 16.35 min Scan# 762

Delta R.T. -0.02 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

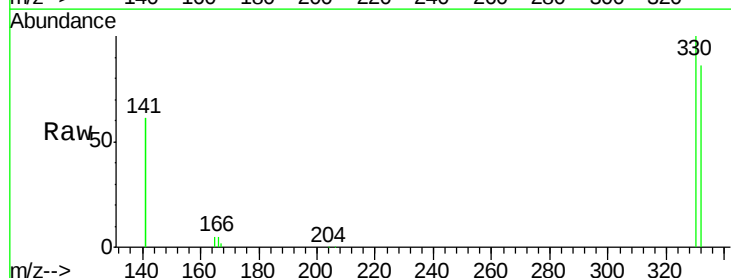
Tgt Ion:330 Resp: 31380

Ion Ratio Lower Upper

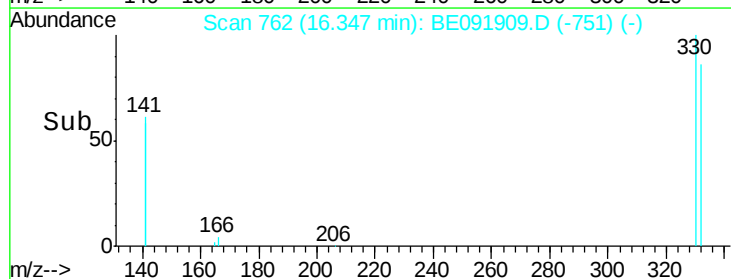
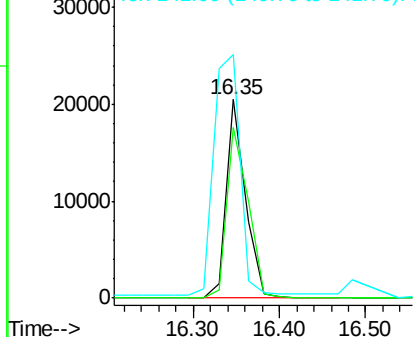
330 100

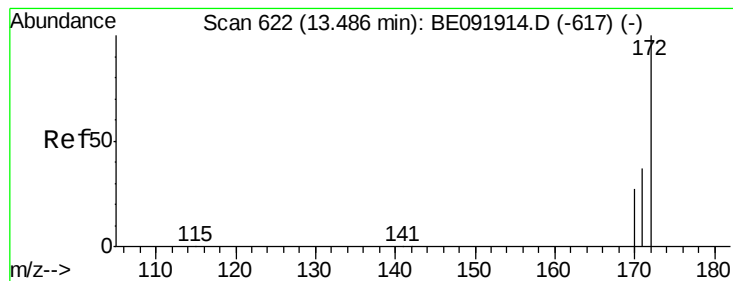
332 96.2 77.0 115.6

141 168.7 138.4 207.6



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

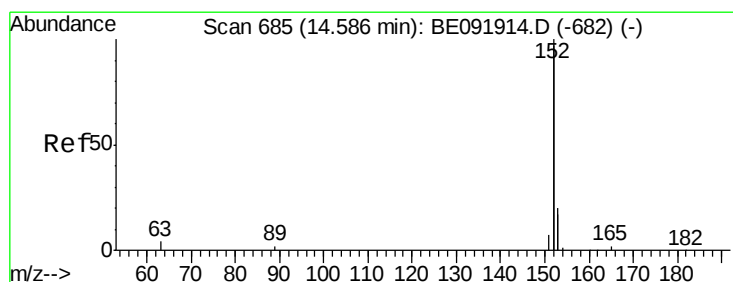
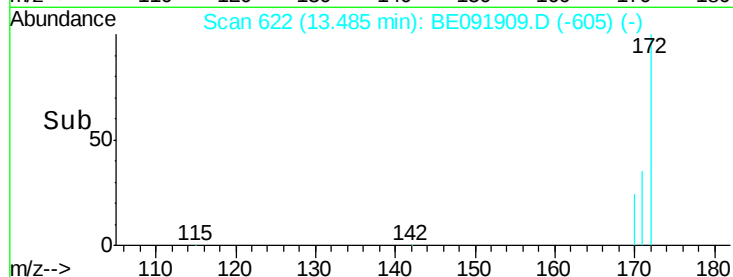
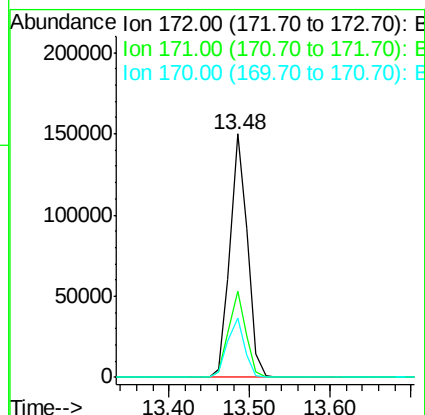
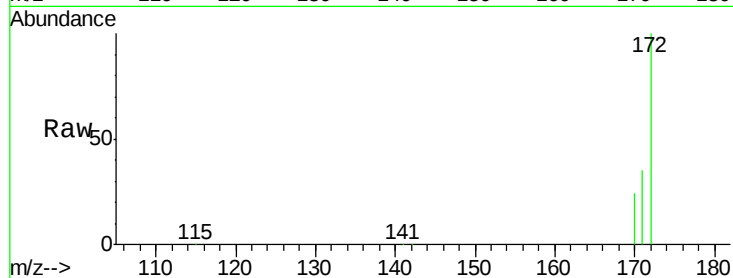




#17
2-Fluorobiphenyl
Concen: 8.16 ng
RT: 13.48 min Scan# 622
Delta R.T. -0.00 min
Lab File: BE091909.D
Acq: 14 Jun 2016 12:36

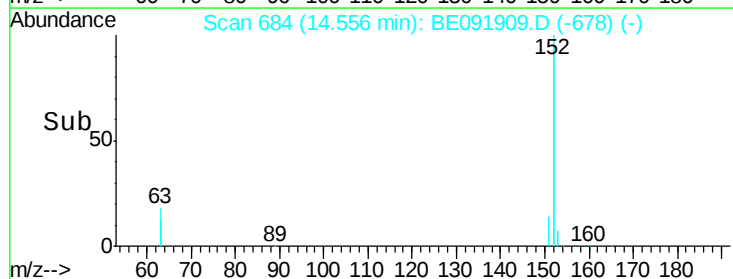
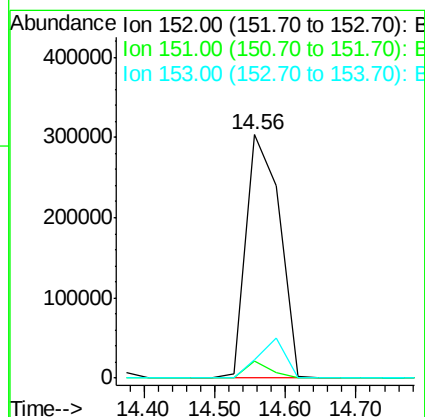
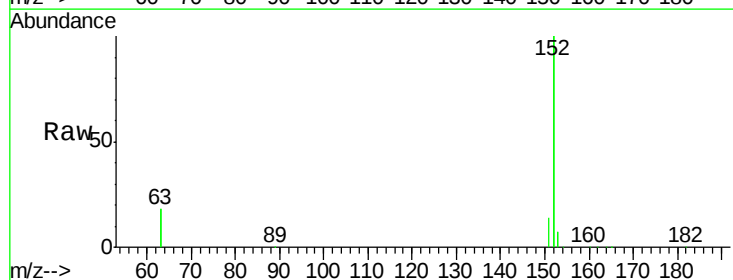
Instrument :
BNA_E
ClientSampleId :

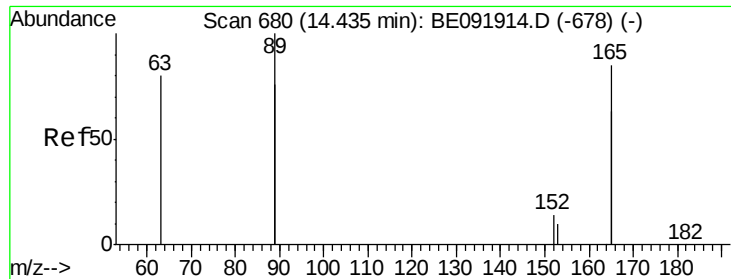
Tot Ion:172 Resp: 224166
Ion Ratio Lower Upper
172 100
171 35.4 24.3 36.5
170 24.2 14.9 22.3#



#18
Acenaphthylene
Concen: 24.31 ng
RT: 14.56 min Scan# 684
Delta R.T. -0.03 min
Lab File: BE091909.D
Acq: 14 Jun 2016 12:36

Tgt Ion:152 Resp: 996090
Ion Ratio Lower Upper
152 100
151 5.3 19.4 29.2#
153 0.0 14.4 21.6#

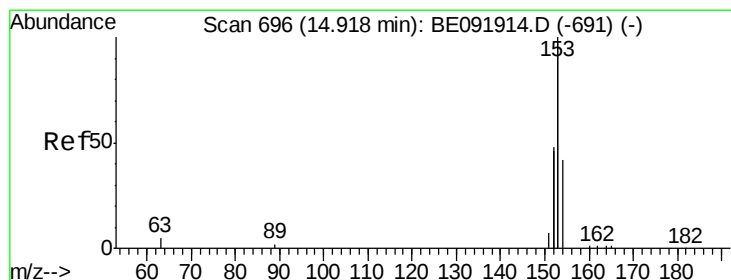
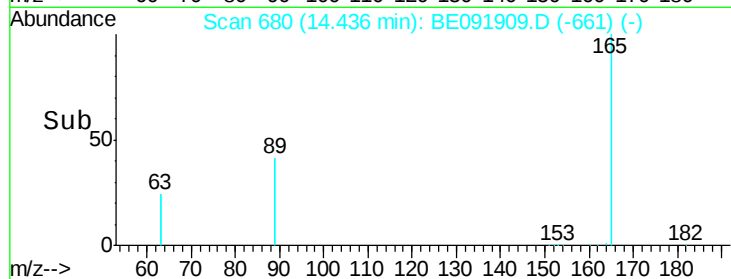
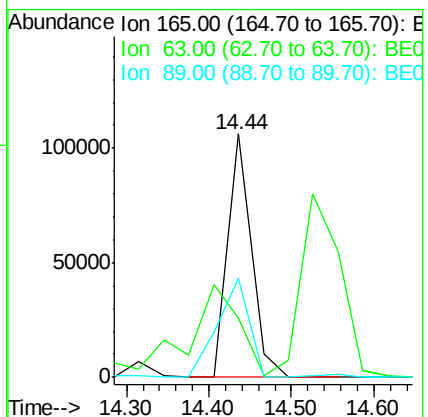
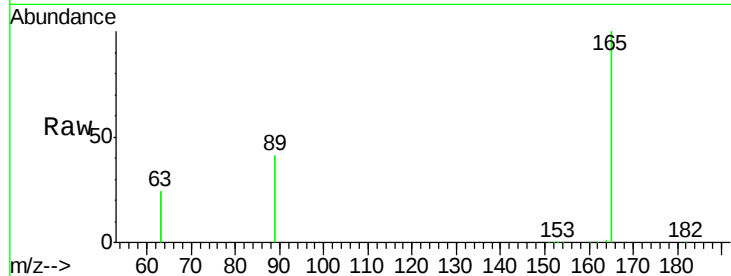




#19
2,6-Dinitrotoluene
Concen: 48.46 ng
RT: 14.44 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE091909.D
Acq: 14 Jun 2016 12:36

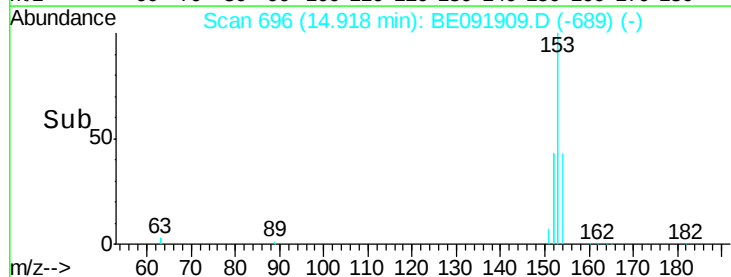
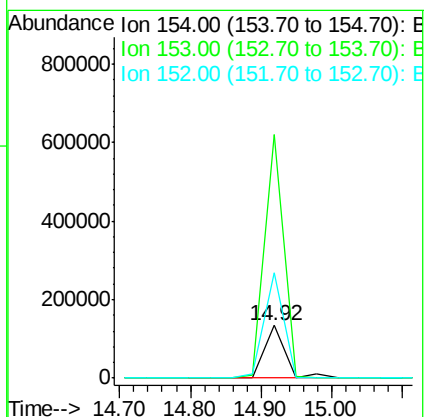
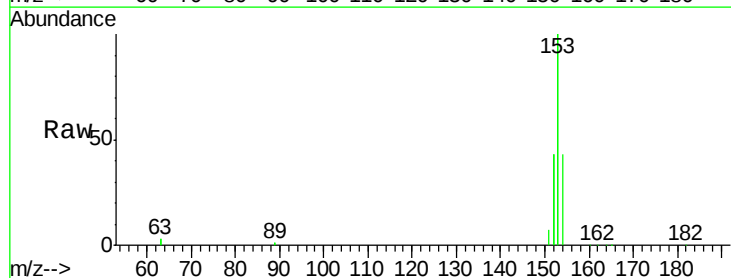
Instrument :
BNA_E
ClientSampleId :

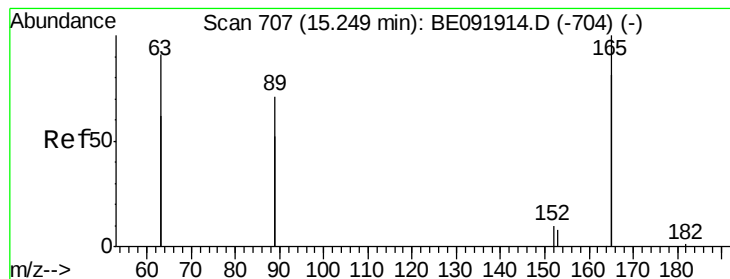
Tot Ion:165 Resp: 210580
Ion Ratio Lower Upper
165 100
63 0.0 65.9 98.9#
89 55.6 59.1 88.7#



#20
Acenaphthene
Concen: 10.59 ng
RT: 14.92 min Scan# 696
Delta R.T. 0.00 min
Lab File: BE091909.D
Acq: 14 Jun 2016 12:36

Tgt Ion:154 Resp: 265275
Ion Ratio Lower Upper
154 100
153 430.6 88.1 132.1#
152 189.5 44.2 66.2#





#21

2,4-Dinitrotoluene

Concen: 45.43 ng

RT: 15.22 min Scan# 706

Delta R.T. -0.03 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

Instrument :

BNA_E

ClientSampleId :

Tot Ion:165 Resp: 234709

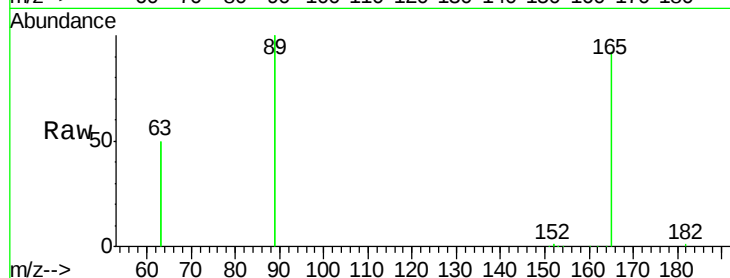
Ion Ratio Lower Upper

165 100

63 83.2 0.0 0.0#

89 113.7 99.8 149.8

182 0.5 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

15.22

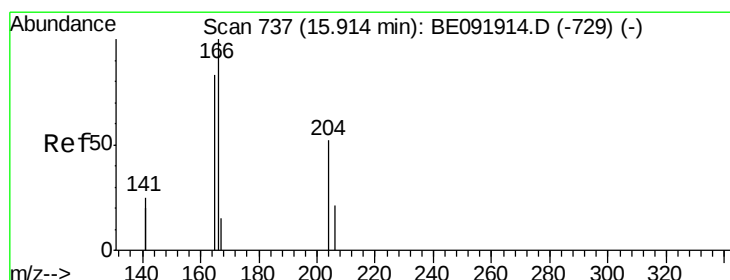
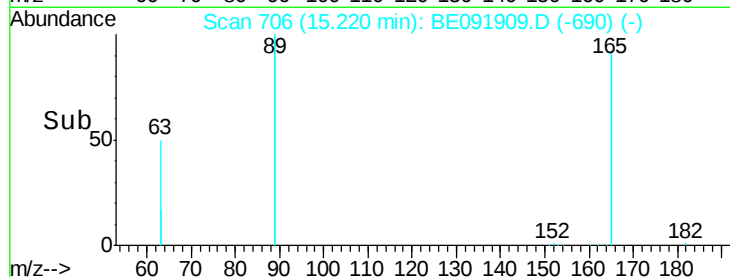
100000

50000

0

15.00 15.20 15.40

Time-->



#22

Fluorene

Concen: 8.51 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.02 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

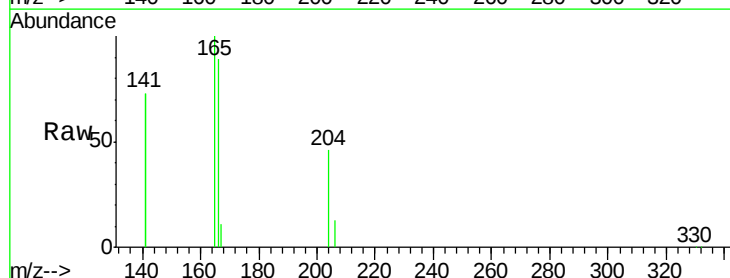
Tgt Ion:166 Resp: 260665

Ion Ratio Lower Upper

166 100

165 98.4 78.6 117.8

167 13.6 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

15.90

200000

150000

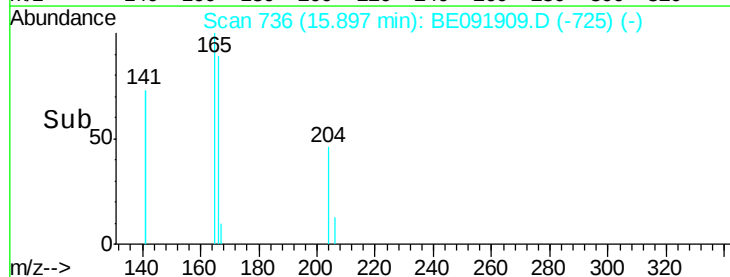
100000

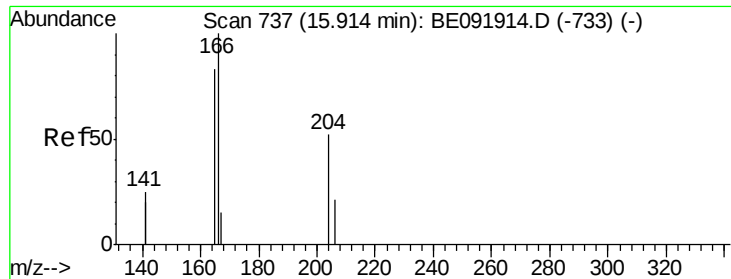
50000

0

15.80 15.90 16.00 16.10

Time-->

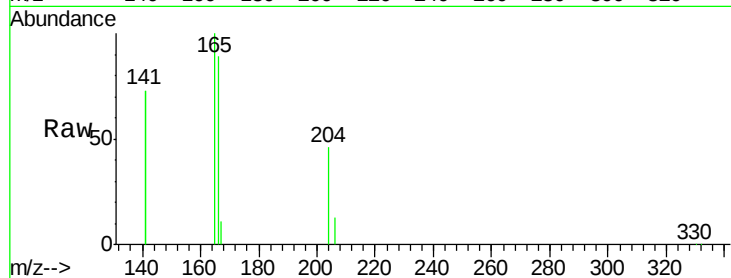




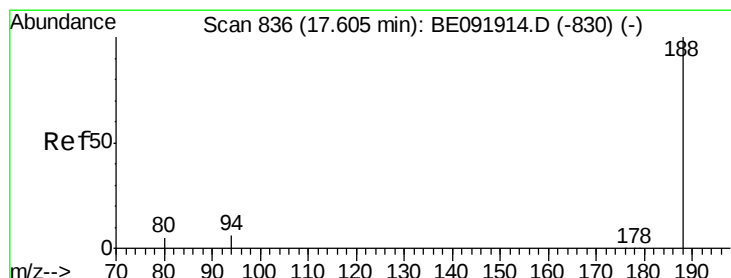
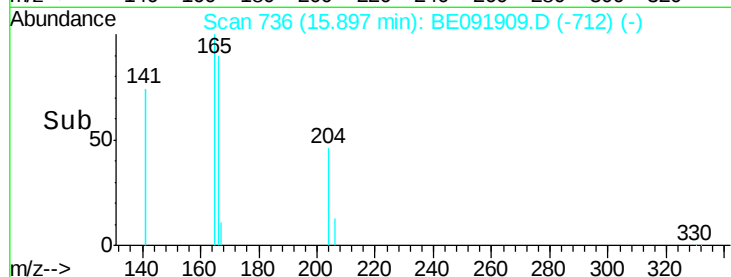
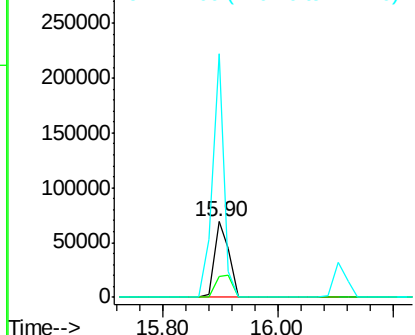
#23
4-Chlorophenyl-phenylether
Concen: 8.11 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.02 min
Lab File: BE091909.D
Acq: 14 Jun 2016 12:36

Instrument :
BNA_E
ClientSampled :

Tot Ion:204 Resp: 121845
Ion Ratio Lower Upper
204 100
206 34.4 27.8 41.6
141 255.5 197.6 296.4

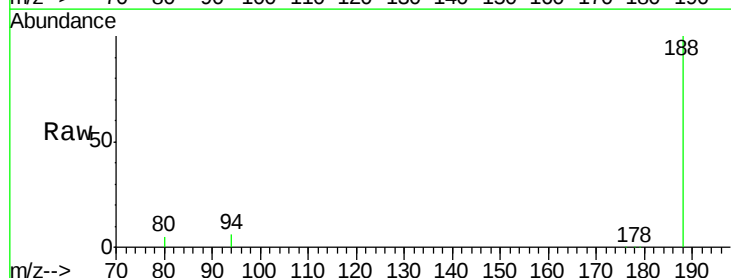


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

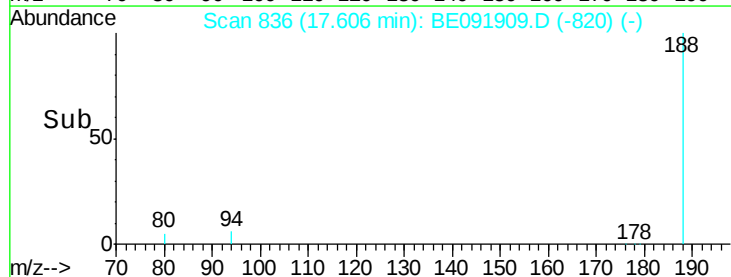
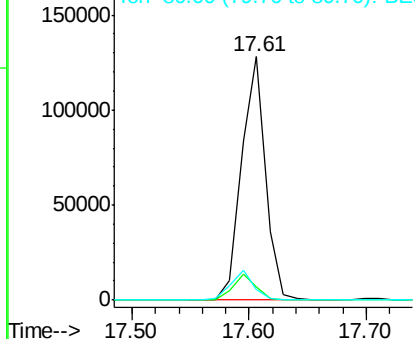


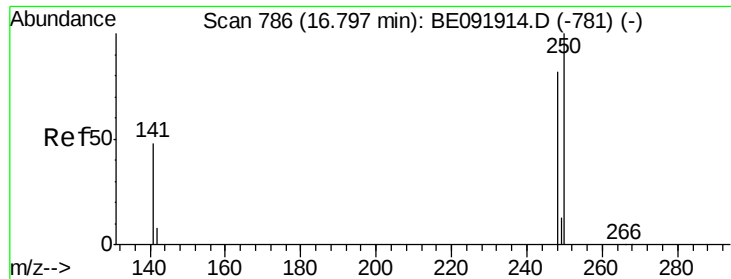
#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.61 min Scan# 836
Delta R.T. 0.00 min
Lab File: BE091909.D
Acq: 14 Jun 2016 12:36

Tgt Ion:188 Resp: 181982
Ion Ratio Lower Upper
188 100
94 5.5 4.1 6.1
80 4.6 3.4 5.2



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0





#25

4-Bromophenyl-phenylether

Concen: 11.64 ng

RT: 16.78 min Scan# 785

Delta R.T. -0.02 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

Instrument :

BNA_E

ClientSampleId :

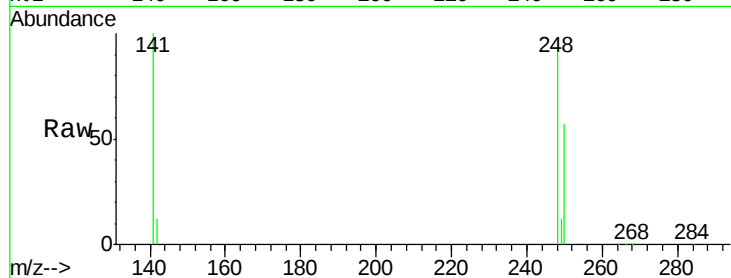
Tot Ion:248 Resp: 76132

Ion Ratio Lower Upper

248 100

250 101.0 75.7 113.5

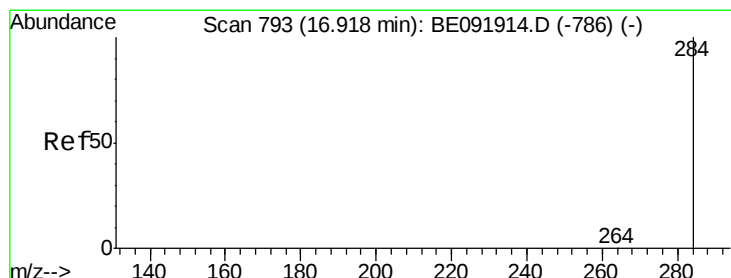
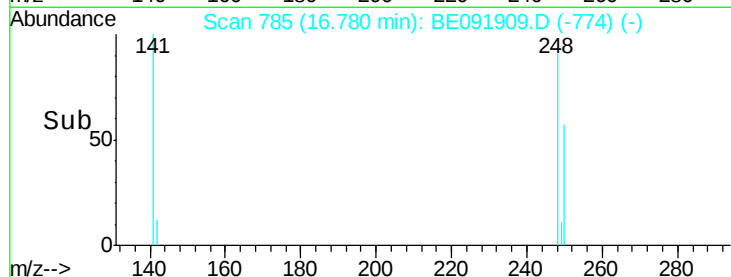
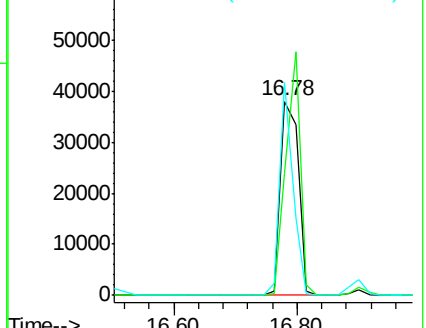
141 81.2 64.6 97.0



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: 11.07 ng

RT: 16.92 min Scan# 793

Delta R.T. 0.00 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

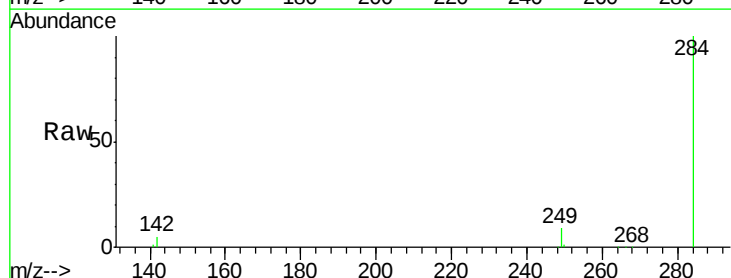
Tgt Ion:284 Resp: 74071

Ion Ratio Lower Upper

284 100

142 40.7 31.4 47.2

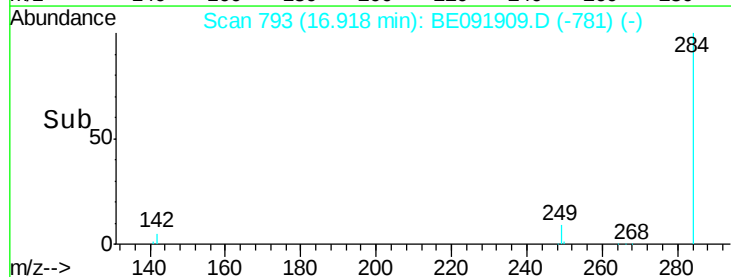
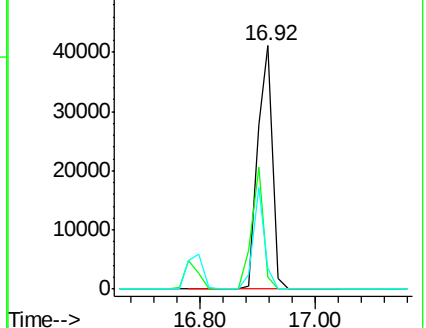
249 32.5 25.3 37.9

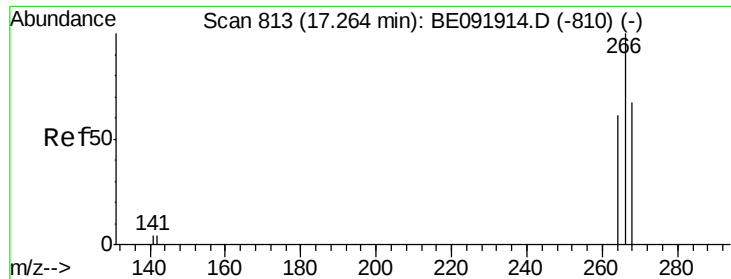


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#27

Pentachlorophenol

Concen: 16.88 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.02 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

Instrument :

BNA_E

ClientSampleId :

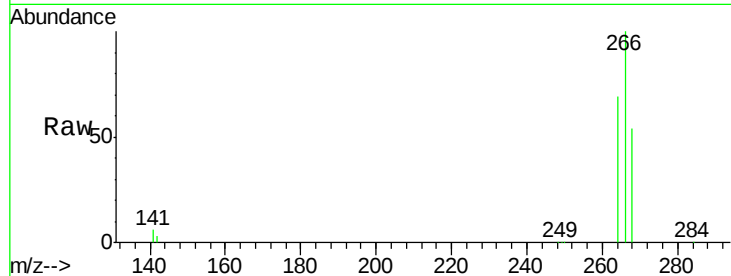
Tot Ion:266 Resp: 43051

Ion Ratio Lower Upper

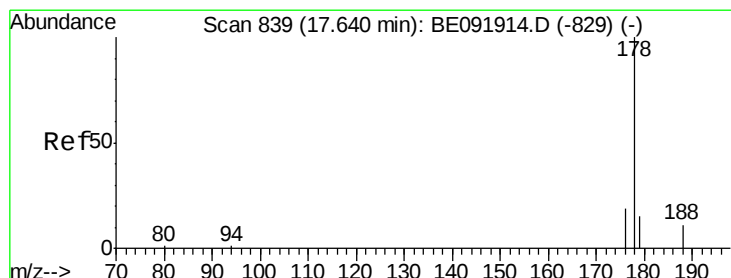
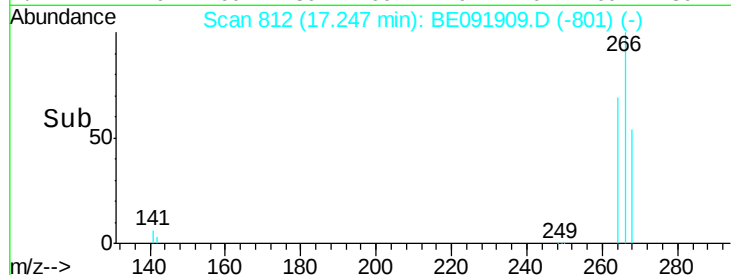
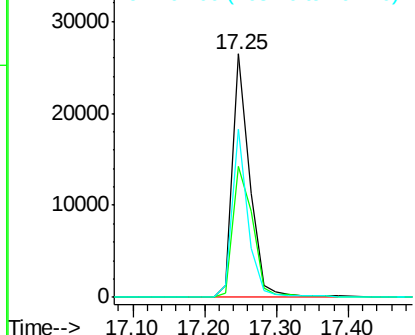
266 100

268 53.8 60.5 90.7#

264 69.2 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: 10.77 ng

RT: 17.64 min Scan# 839

Delta R.T. 0.00 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

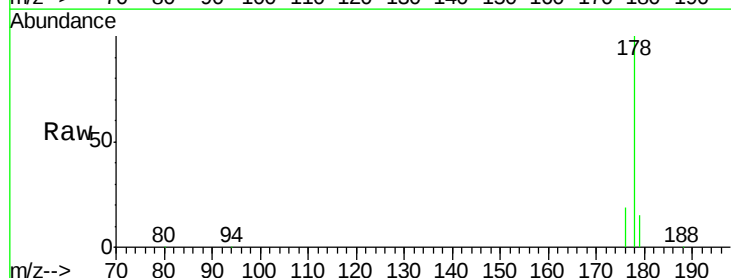
Tgt Ion:178 Resp: 453809

Ion Ratio Lower Upper

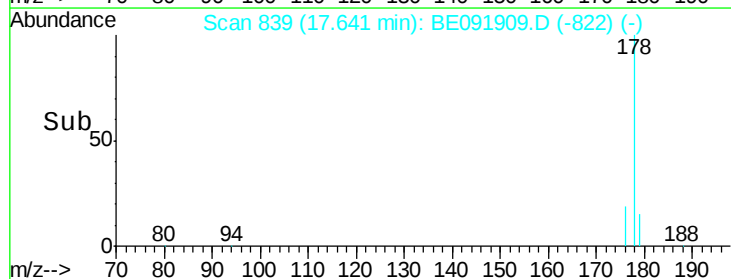
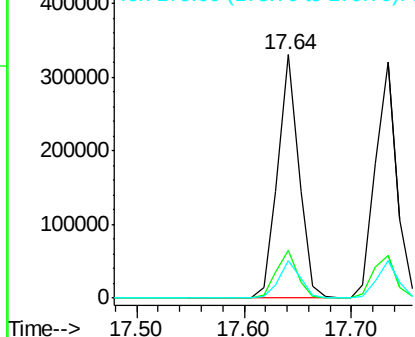
178 100

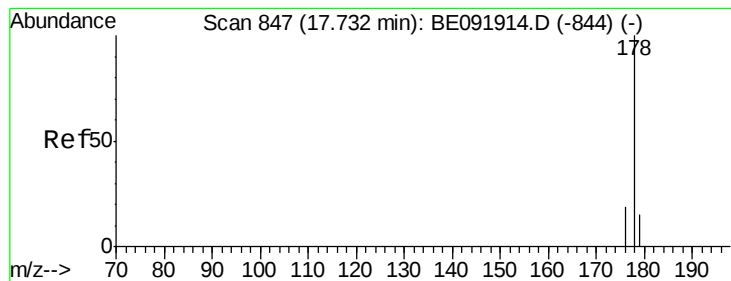
176 19.6 15.4 23.2

179 15.4 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: 12.02 ng

RT: 17.73 min Scan# 847

Delta R.T. 0.00 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

Instrument :

BNA_E

ClientSampleId :

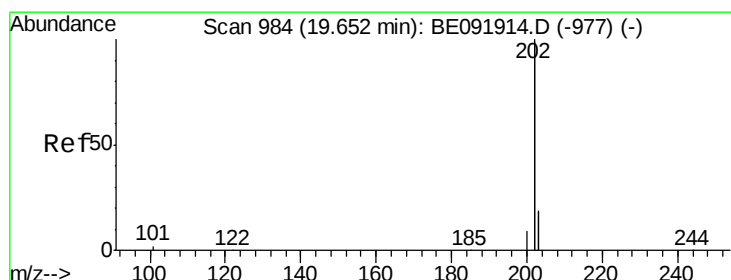
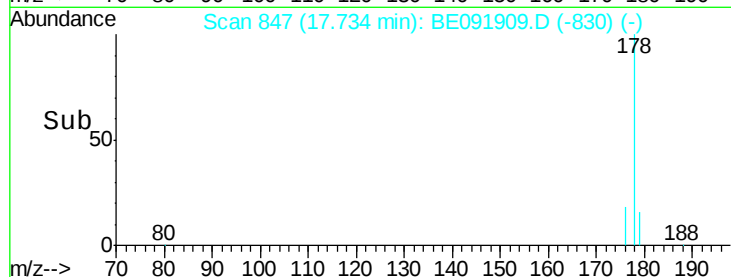
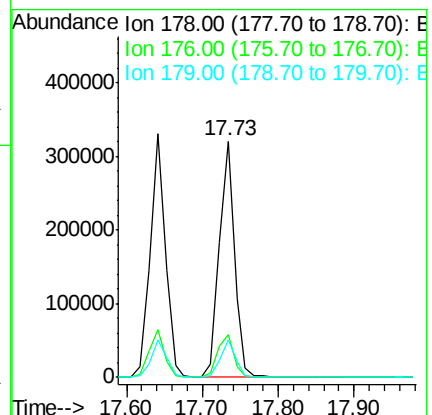
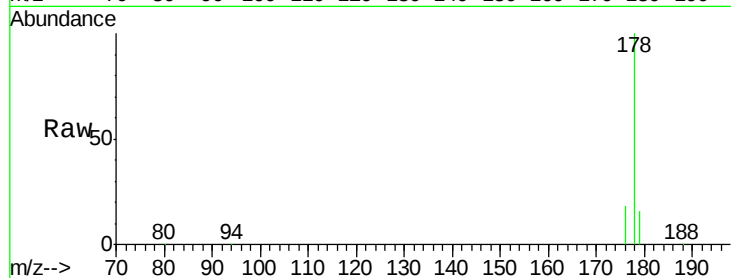
Tot Ion:178 Resp: 451510

Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

179 15.3 12.1 18.1



#30

Fluoranthene

Concen: 47.62 ng

RT: 19.65 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

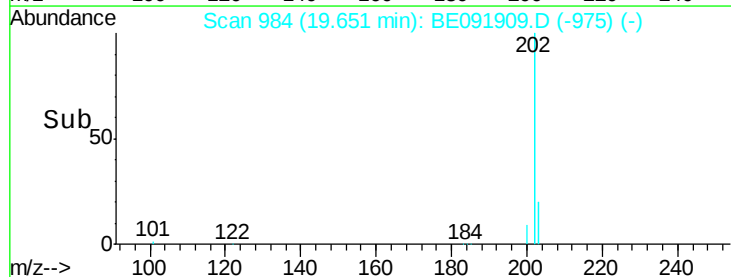
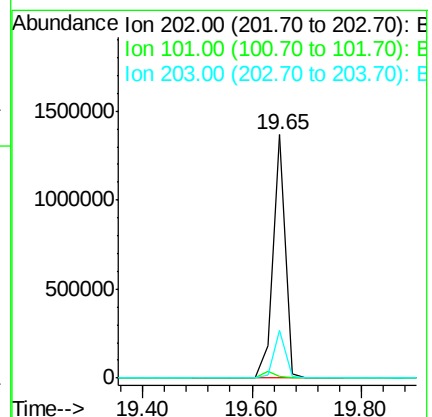
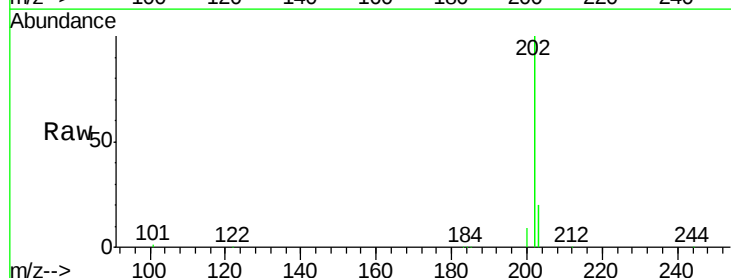
Tgt Ion:202 Resp: 2167355

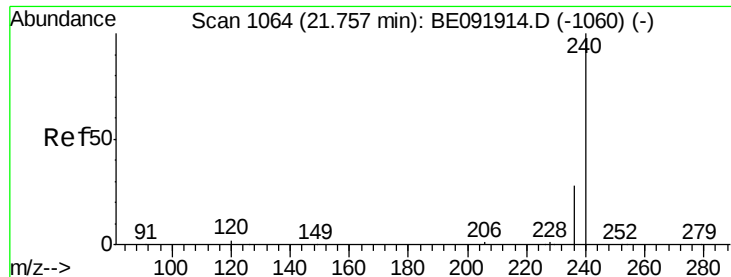
Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

203 18.6 14.3 21.5

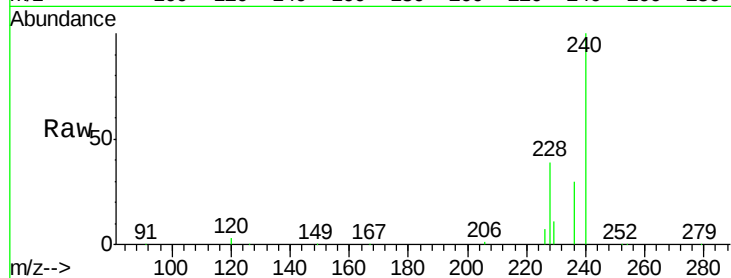




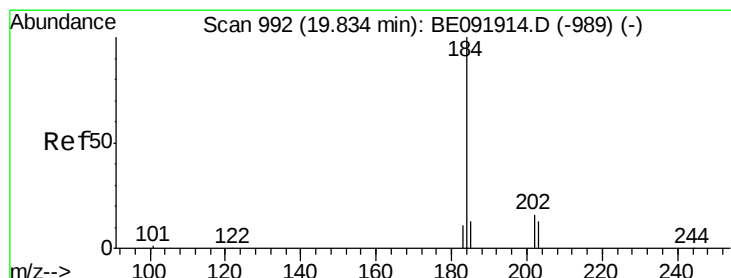
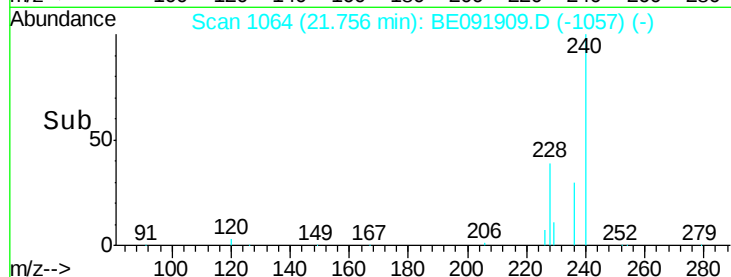
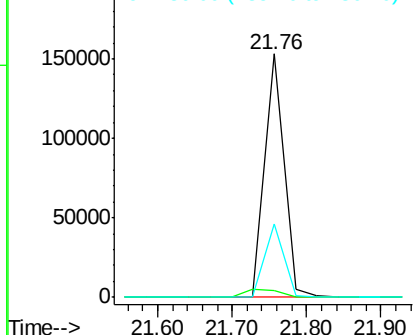
#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BE091909.D
Acq: 14 Jun 2016 12:36

Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 274854
Ion Ratio Lower Upper
240 100
120 2.9 1.2 1.8#
236 30.4 19.8 29.8#

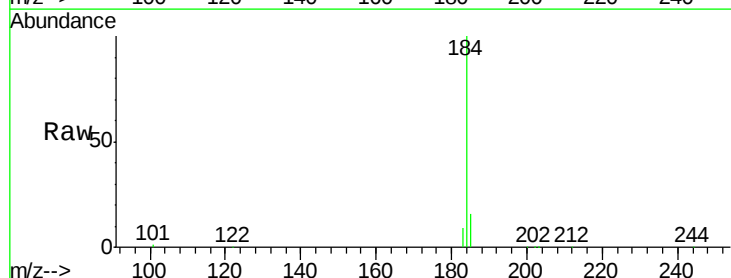


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

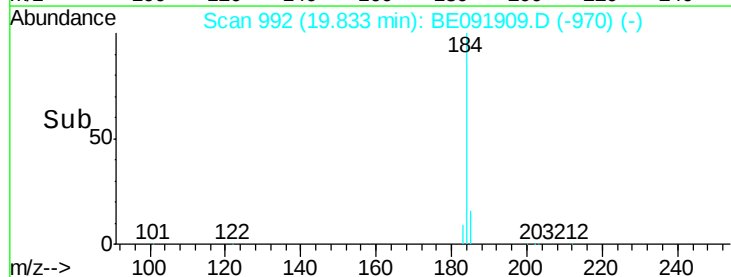
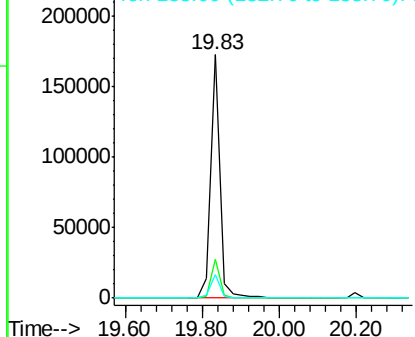


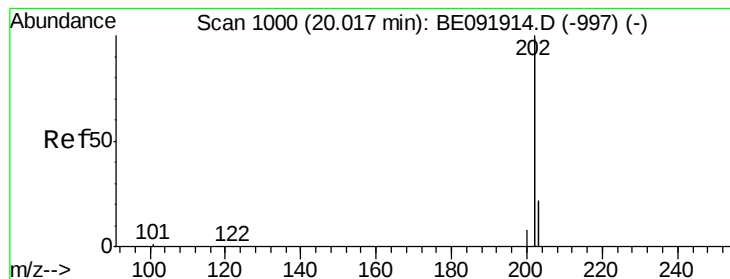
#32
Benzidine
Concen: 15.43 ng
RT: 19.83 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE091909.D
Acq: 14 Jun 2016 12:36

Tgt Ion:184 Resp: 282595
Ion Ratio Lower Upper
184 100
185 16.0 11.4 17.2
183 9.4 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

Pvrene

Concen: 31.60 ng

RT: 20.02 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

Instrument :

BNA_E

ClientSampleId :

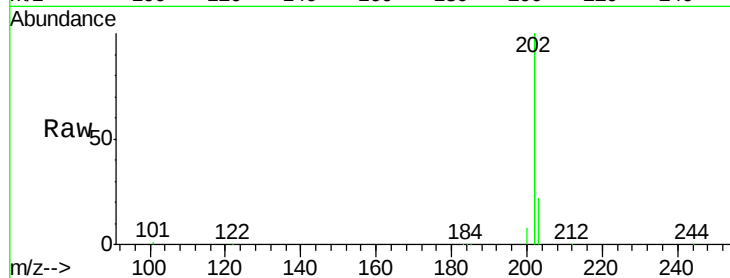
Tot Ion:202 Resp: 2191582

Ion Ratio Lower Upper

202 100

200 5.1 16.9 25.3#

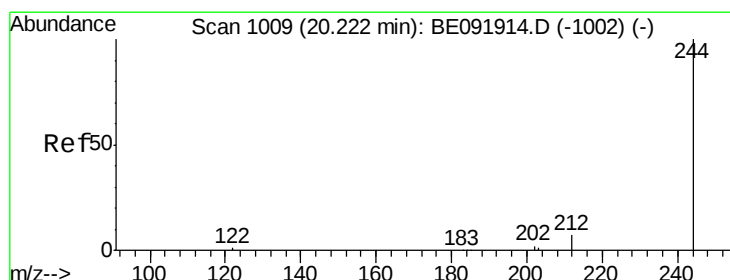
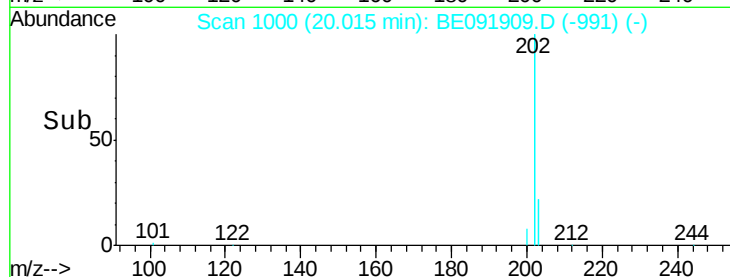
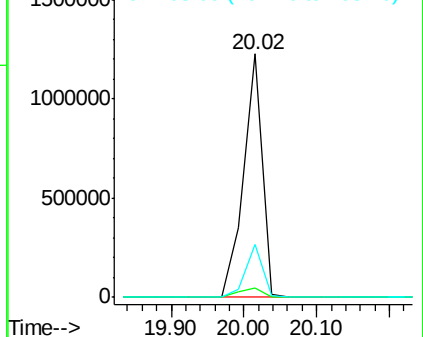
203 19.5 14.1 21.1



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: 7.75 ng

RT: 20.22 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

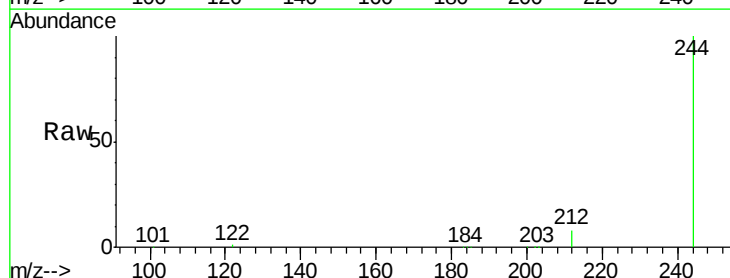
Tgt Ion:244 Resp: 379324

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

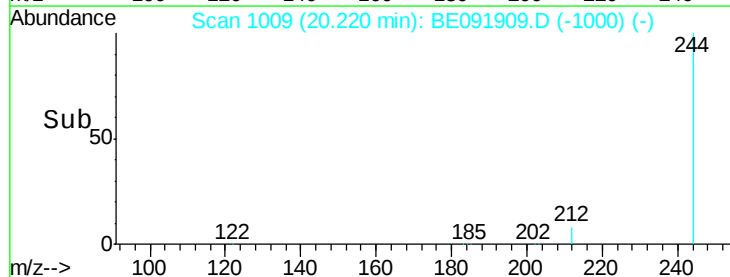
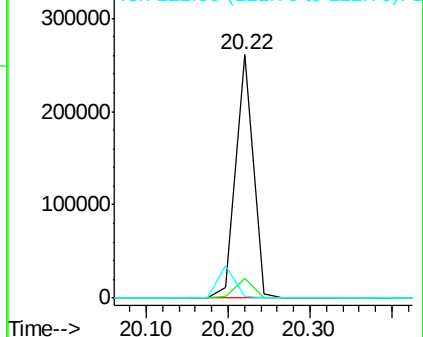
122 0.5 2.9 4.3#

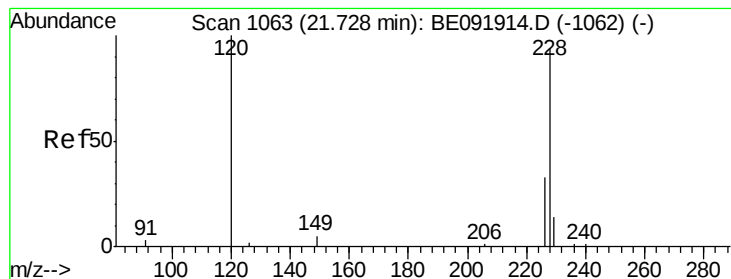


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 2.43 ng

RT: 21.78 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

Instrument :

BNA_E

ClientSampleId :

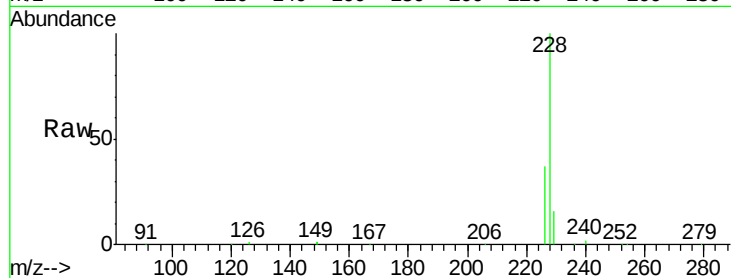
Tot Ion:228 Resp: 963040

Ion Ratio Lower Upper

228 100

226 37.1 21.0 31.4#

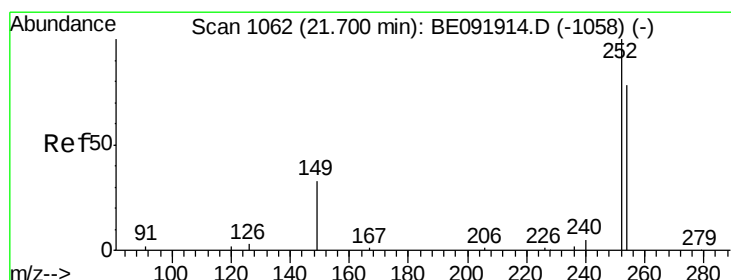
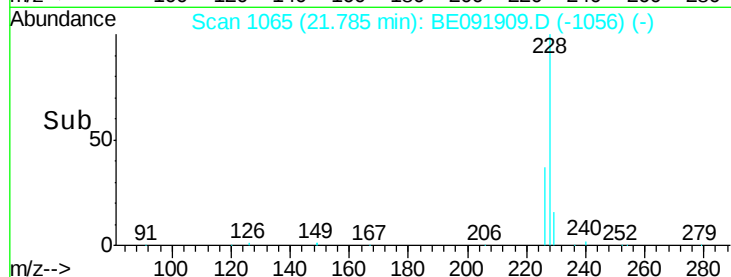
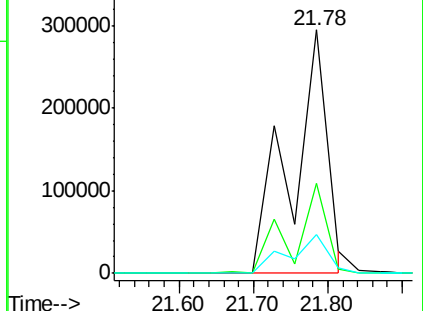
229 16.1 15.8 23.8



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: 4.68 ng

RT: 21.67 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

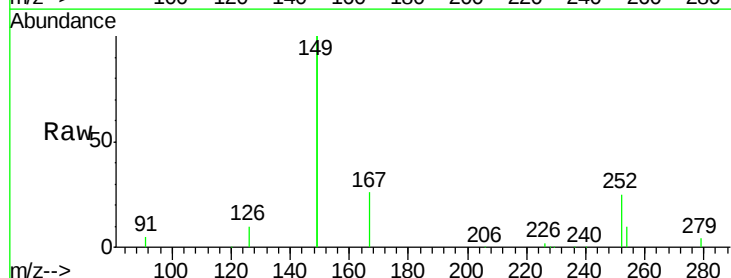
Tgt Ion:252 Resp: 89783

Ion Ratio Lower Upper

252 100

254 38.7 61.5 92.3#

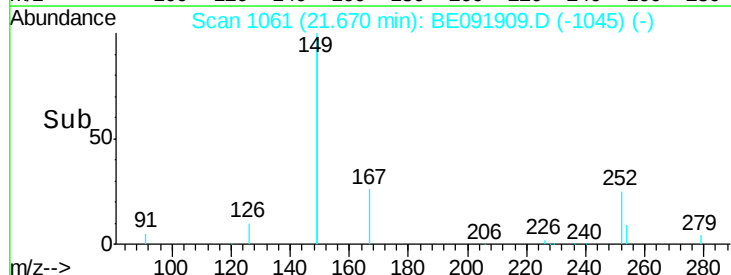
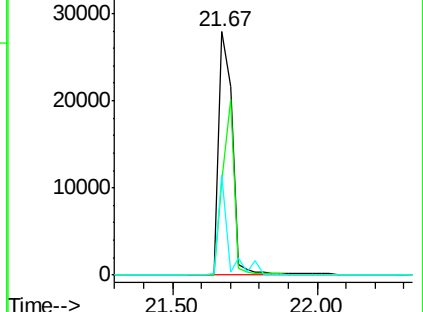
126 41.1 2.5 3.7#

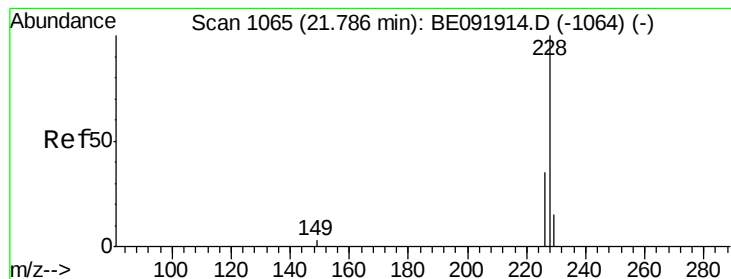


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 3.47 ng

RT: 21.78 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

Instrument :

BNA_E

ClientSampleId :

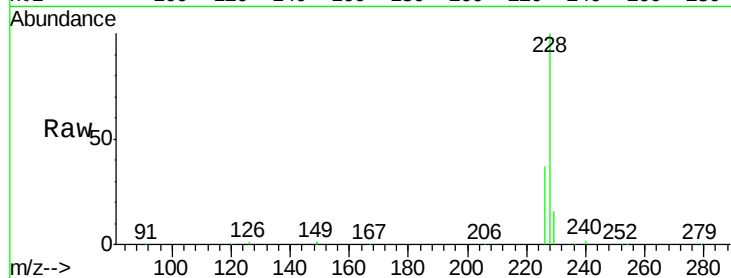
Tot Ion:228 Resp: 971224

Ion Ratio Lower Upper

228 100

226 37.1 27.0 40.6

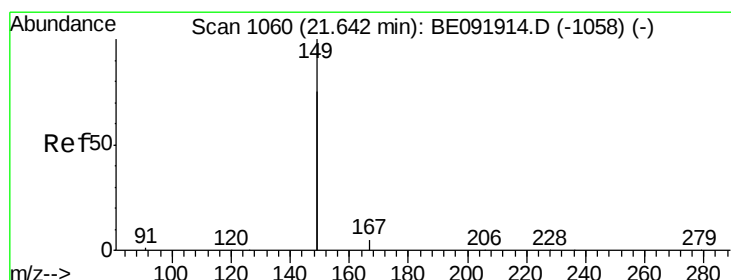
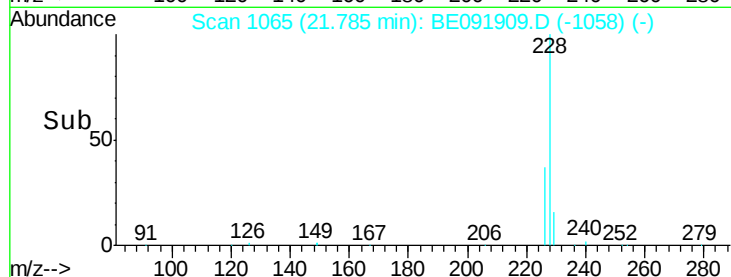
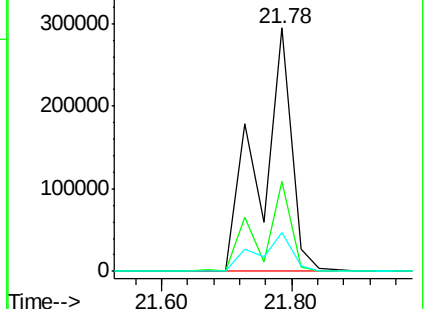
229 16.1 13.8 20.8



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: 12.69 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.03 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

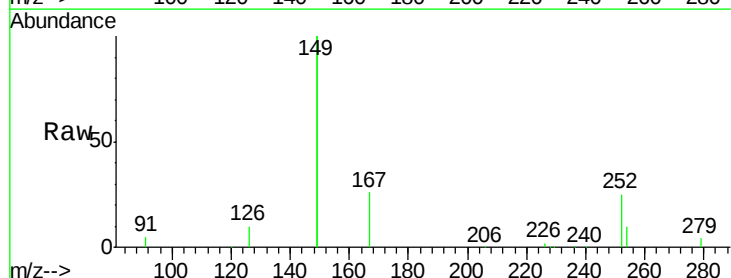
Tgt Ion:149 Resp: 499619

Ion Ratio Lower Upper

149 100

167 10.9 0.0 0.0#

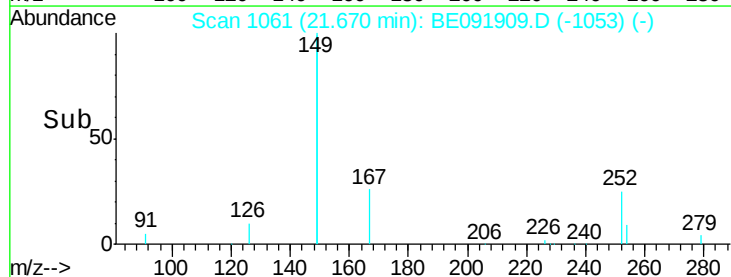
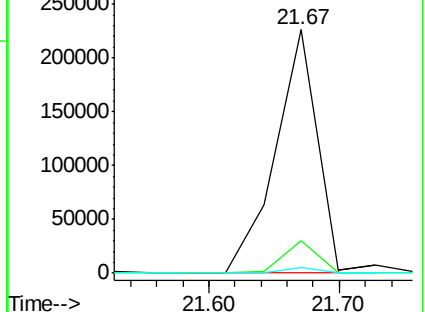
279 1.8 0.0 0.0#

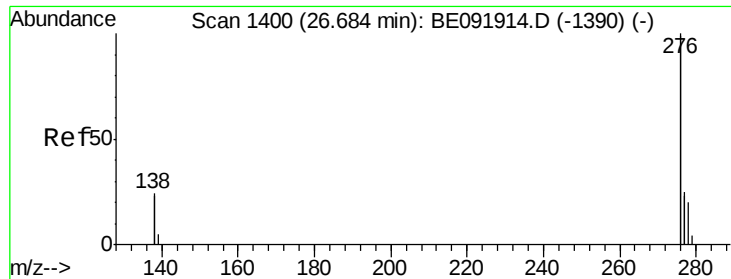


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

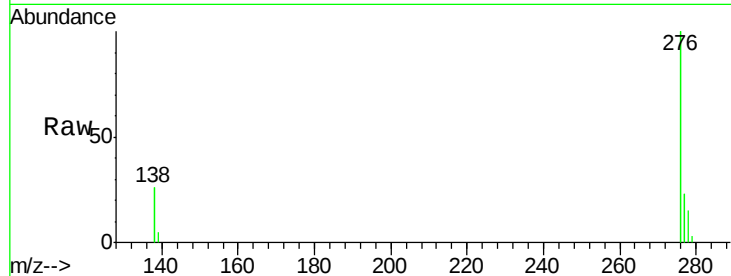




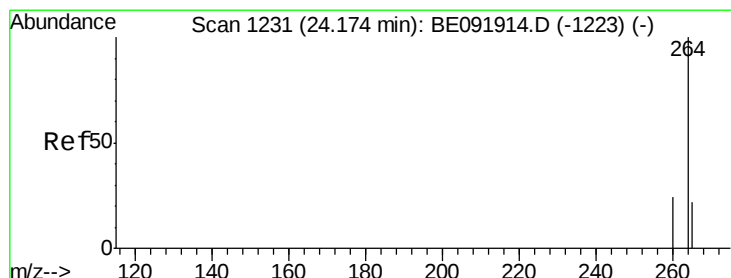
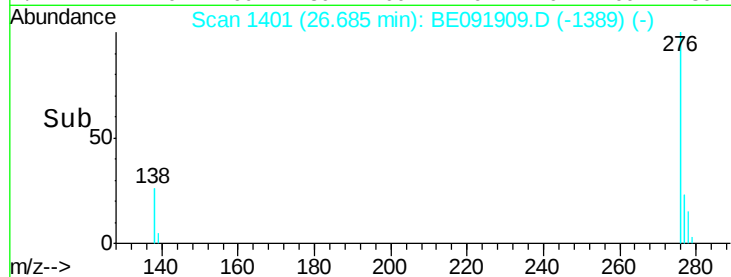
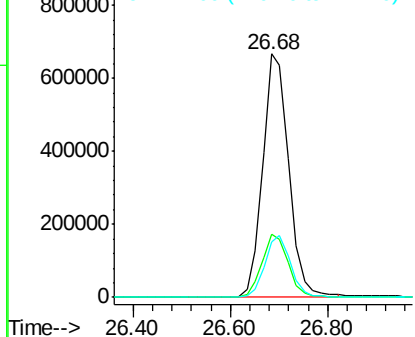
#39
 Indeno(1,2,3-cd)pyrene
 Concen: 30.00 ng
 RT: 26.68 min Scan# 1401
 Delta R.T. 0.00 min
 Lab File: BE091909.D
 Acq: 14 Jun 2016 12:36

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 2512349
 Ion Ratio Lower Upper
 276 100
 138 26.3 19.7 29.5
 277 25.2 20.1 30.1

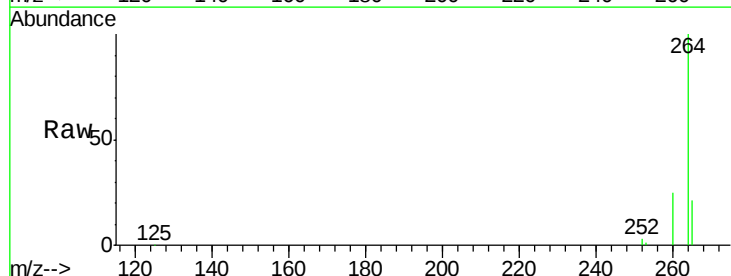


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

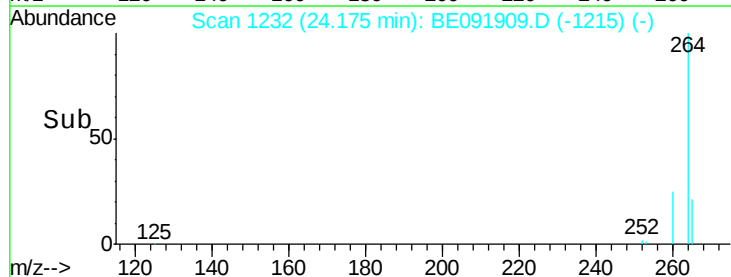
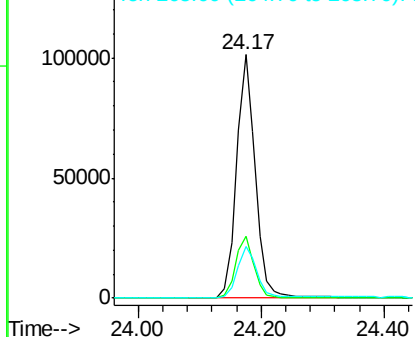


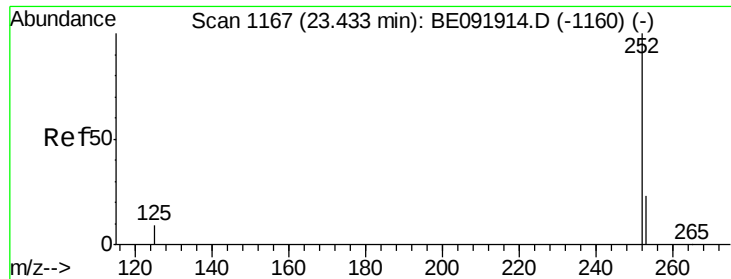
#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.17 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BE091909.D
 Acq: 14 Jun 2016 12:36

Tgt Ion:264 Resp: 215398
 Ion Ratio Lower Upper
 264 100
 260 25.2 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: 11.23 ng

RT: 23.43 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

Instrument :

BNA_E

ClientSampleId :

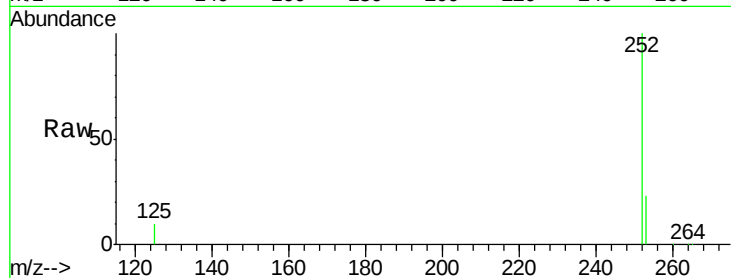
Tot Ion:252 Resp: 591355

Ion Ratio Lower Upper

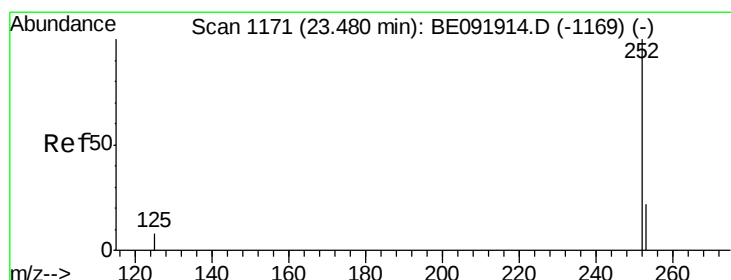
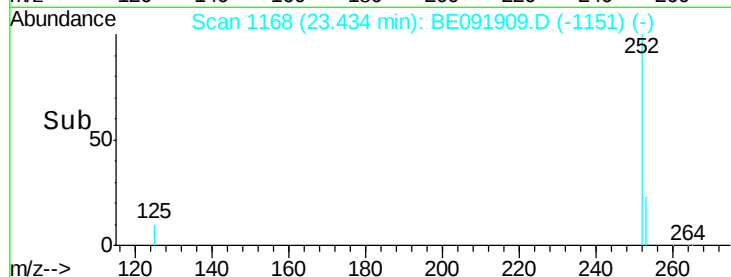
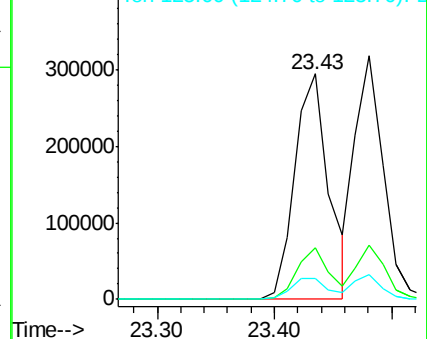
252 100

253 23.0 17.8 26.6

125 9.6 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: 9.90 ng

RT: 23.48 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

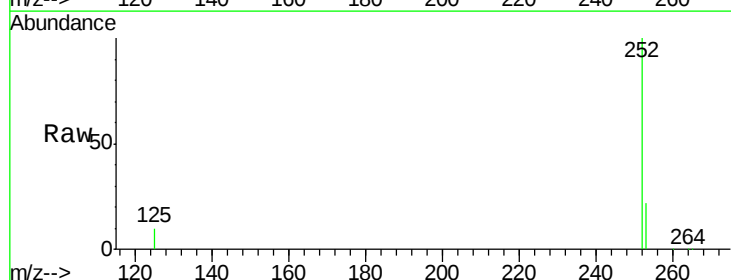
Tgt Ion:252 Resp: 540622

Ion Ratio Lower Upper

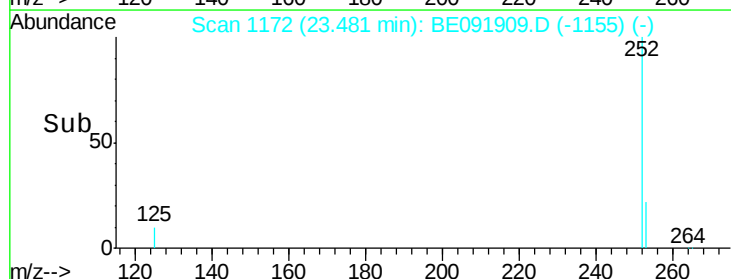
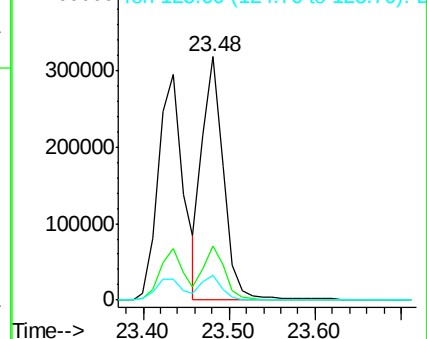
252 100

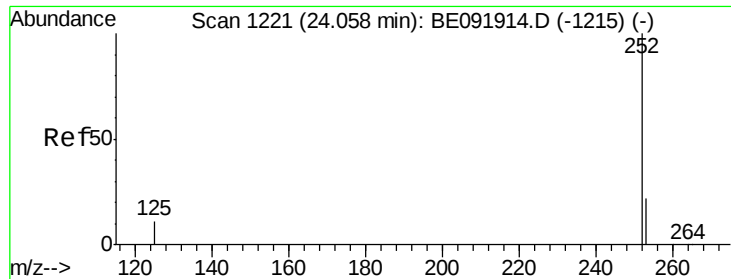
253 22.1 19.4 29.2

125 10.0 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: 11.23 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

Instrument :

BNA_E

ClientSampleId :

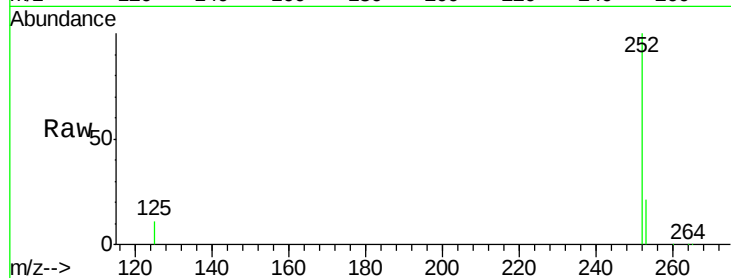
Tot Ion:252 Resp: 554233

Ion Ratio Lower Upper

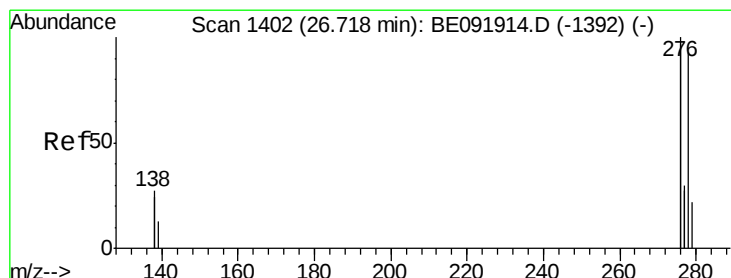
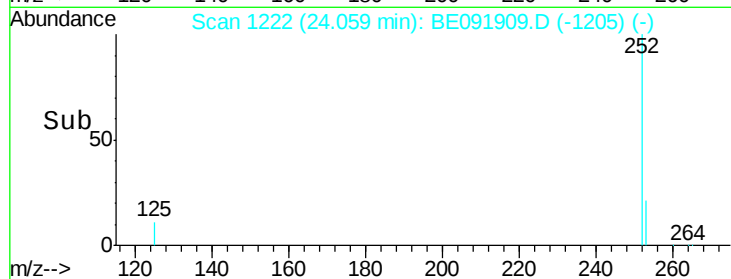
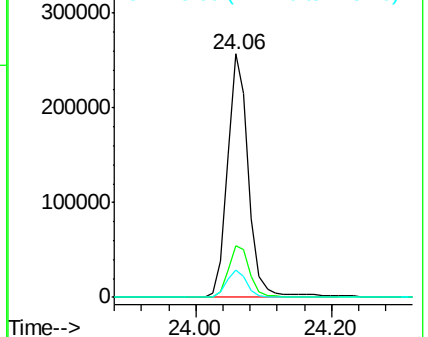
252 100

253 21.3 18.9 28.3

125 11.3 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: 11.57 ng

RT: 26.72 min Scan# 1403

Delta R.T. 0.00 min

Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

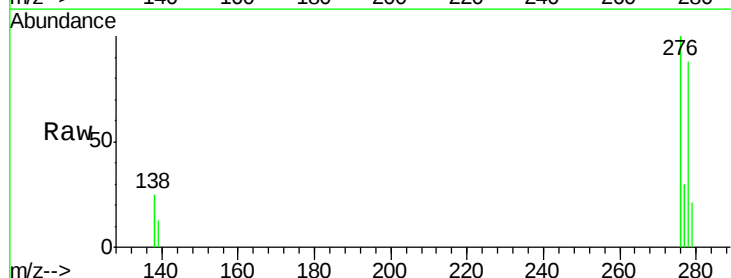
Tgt Ion:278 Resp: 532719

Ion Ratio Lower Upper

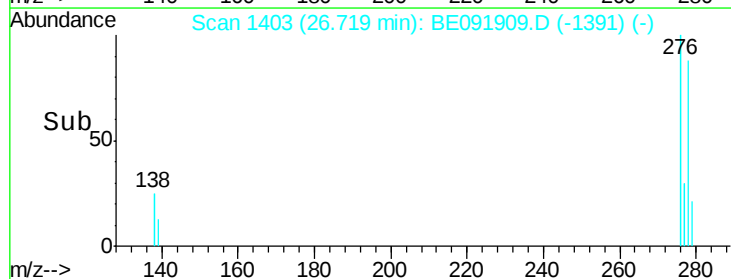
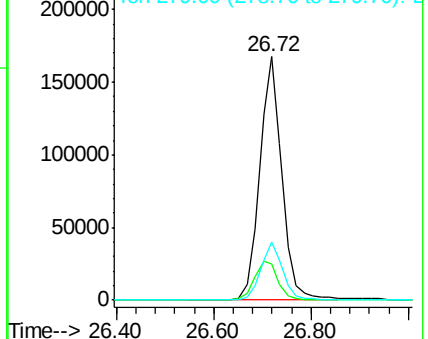
278 100

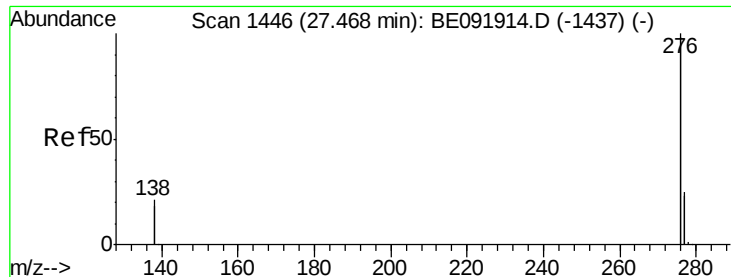
139 14.9 12.6 18.8

279 24.0 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: 44.92 ng

RT: 27.47 min Scan# 1447

Delta R.T. 0.00 min

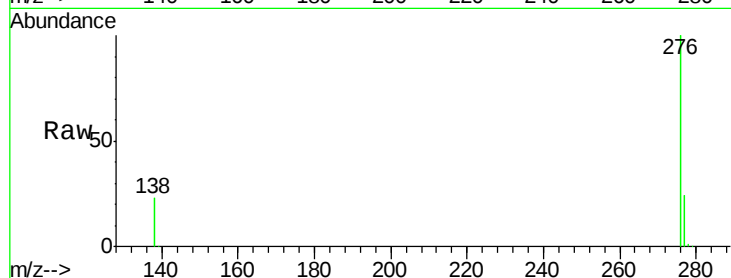
Lab File: BE091909.D

Acq: 14 Jun 2016 12:36

Instrument :

BNA_E

ClientSampleId :



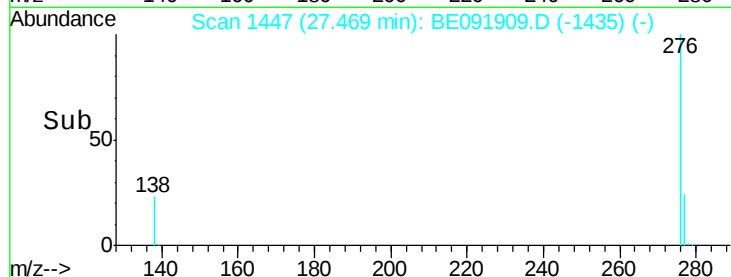
Tot Ion:276 Resp: 2167013

Ion Ratio Lower Upper

276 100

277 23.5 19.5 29.3

138 22.7 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

