

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062416\
 Data File : BE091954.D
 Acq On : 24 Jun 2016 19:53
 Operator : UM/SJ
 Sample : PB91612BSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91612BSD

Quant Time: Jun 24 23:00:19 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	8.22	152	29363	5.00	ng	0.02
8) Naphthalene-d8	11.02	136	126257	5.00	ng	0.03
15) Acenaphthene-d10	14.86	164	75739	5.00	ng	0.00
24) Phenanthrene-d10	17.61	188	157414	5.00	ng	0.00
31) Chrysene-d12	21.76	240	276411	5.00	ng	0.00
40) Perylene-d12	24.17	264	208566	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.74	112	55469	9.66	ng	0.02
5) Phenol-d6	7.37	99	74798	7.94	ng	0.02
9) Nitrobenzene-d5	9.37	82	40973	4.70	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	19893	10.07	ng	0.00
17) 2-Fluorobiphenyl	13.48	172	83759	4.36	ng	0.00
34) Terphenyl-d14	20.22	244	128552	3.80	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	10779	2.60	ng	# 82
3) n-Nitrosodimethylamine	3.82	42	17749	3.77	ng	99
6) bis(2-Chloroethyl)ether	7.63	93	31920	3.80	ng	96
7) n-Nitroso-di-n-propylamine	9.00	70	28557	3.58	ng	# 98
10) Nitrobenzene	9.40	77	39922	4.04	ng	# 99
11) bis(2-Chloroethoxy)methane	10.42	93	41453	3.75	ng	# 19
12) Naphthalene	11.04	128	100392	3.64	ng	# 93
13) Hexachlorobutadiene	11.34	225	17531	3.93	ng	99
14) 2-Methylnaphthalene	12.67	142	71675	3.83	ng	99
18) Acenaphthylene	14.59	152	324665	4.22	ng	# 68
19) 2,6-Dinitrotoluene	14.44	165	52275	3.20	ng	# 45
20) Acenaphthene	14.92	154	80615	3.81	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	55141	3.67	ng	# 75
22) Fluorene	15.90	166	85235	4.05	ng	100
23) 4-Chlorophenyl-phenylether	15.90	204	39330	3.79	ng	99
25) 4-Bromophenyl-phenylether	16.78	248	24067	3.95	ng	98
26) Hexachlorobenzene	16.92	284	24498	3.92	ng	98
27) Pentachlorophenol	17.25	266	28983	7.86	ng	# 81
28) Phenanthrene	17.64	178	148433	3.77	ng	99
29) Anthracene	17.73	178	148988	4.28	ng	100
30) Fluoranthene	19.65	202	735965	4.37	ng	# 85
32) Benzidine	19.83	184	61485	3.59	ng	# 93
33) Pyrene	20.02	202	733129	3.90	ng	# 73
35) Benzo(a)anthracene	21.79	228	424916	9.78	ng	# 90
36) 3,3'-Dichlorobenzidine	21.67	252	51355	7.30	ng	# 65
37) Chrysene	21.79	228	427523	6.74	ng	100
38) Bis(2-ethylhexyl)phthalate	21.64	149	284582	5.79	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	942718	4.34	ng	99
41) Benzo(b)fluoranthene	23.43	252	228595	4.27	ng	97
42) Benzo(k)fluoranthene	23.48	252	194831	3.98	ng	98
43) Benzo(a)pyrene	24.06	252	207549	4.44	ng	97
44) Dibenzo(a,h)anthracene	26.70	278	193259	4.24	ng	# 94
45) Benzo(g,h,i)perylene	27.47	276	796310	4.24	ng	99

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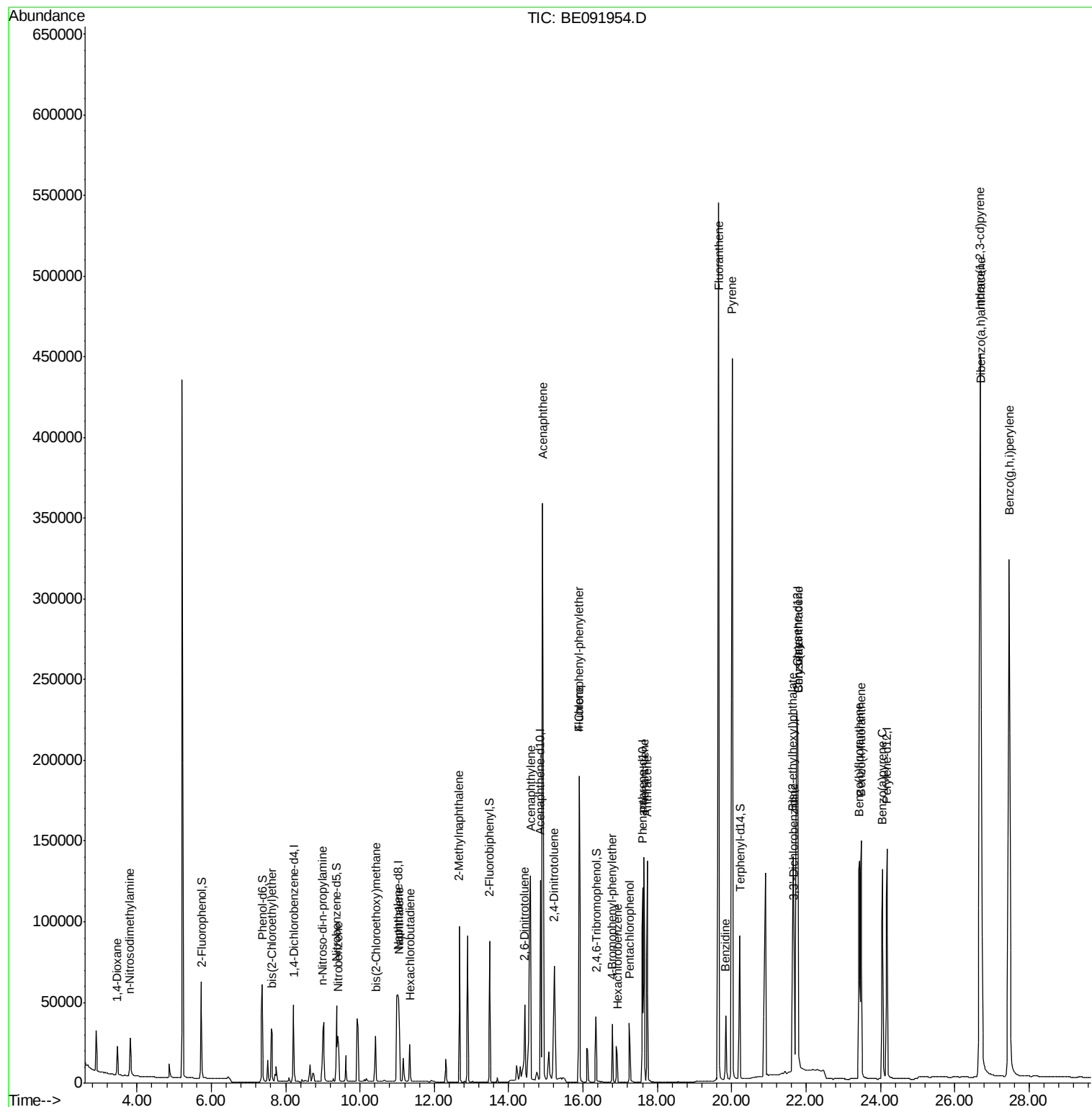
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.22 min Scan# 324

Delta R.T. 0.02 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

Instrument :

BNA_E

ClientSampleId :

PB91612BSD

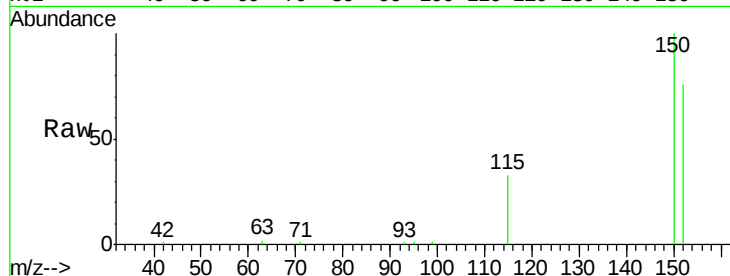
Tgt Ion:152 Resp: 29363

Ion Ratio Lower Upper

152 100

150 131.0 123.9 185.9

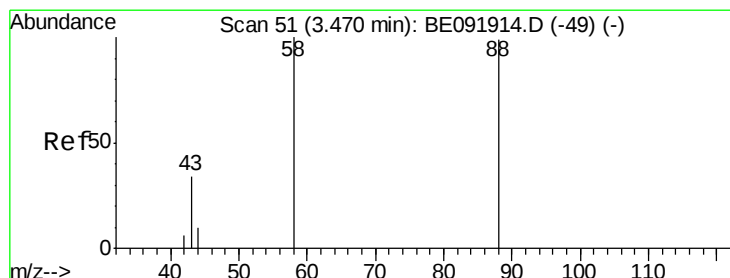
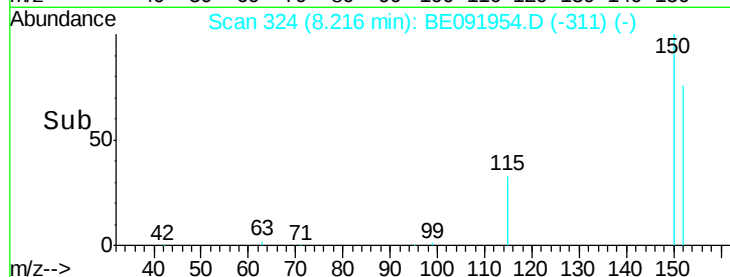
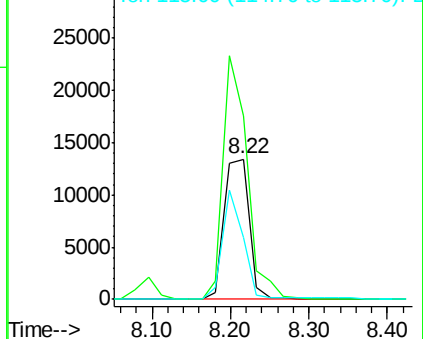
115 43.8 48.3 72.5#



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: 2.60 ng

RT: 3.47 min Scan# 51

Delta R.T. -0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

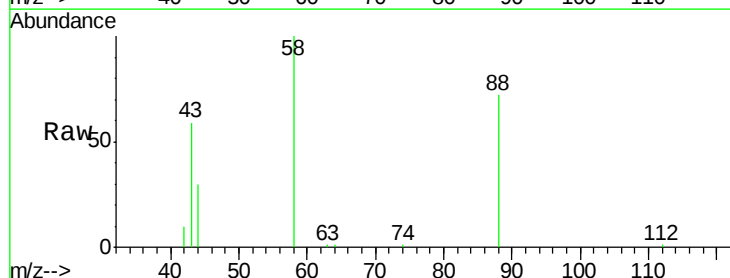
Tgt Ion: 88 Resp: 10779

Ion Ratio Lower Upper

88 100

58 95.0 63.0 94.4#

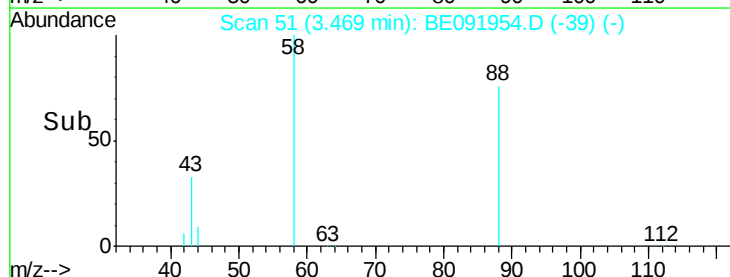
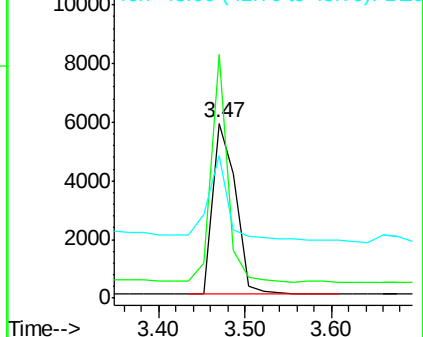
43 46.0 29.1 43.7#

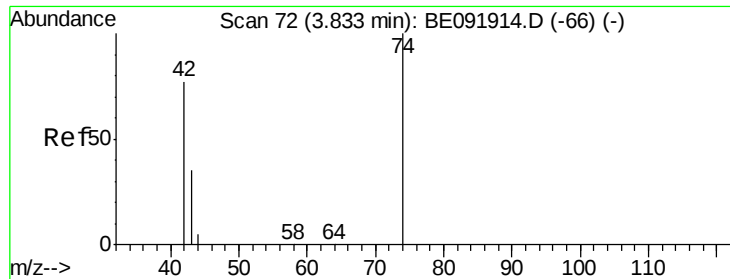


Abundance Ion 88.00 (87.70 to 88.70): BE0

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: BE091954.D

Acq: 24 Jun 2016 19:53

Instrument :

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ClientSampleId :

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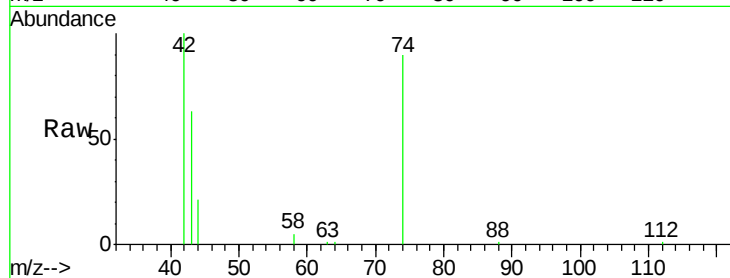
Tgt Ion: 42 Resp: 17749

Ion Ratio Lower Upper

42 100

74 115.9 93.4 140.0

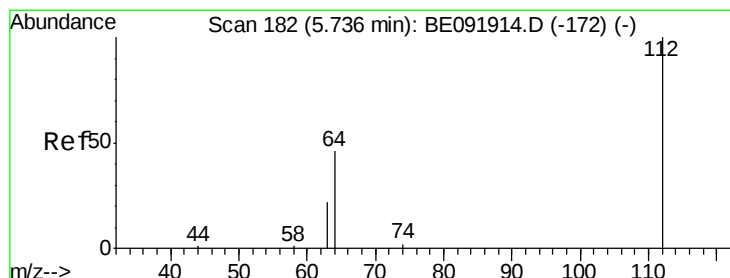
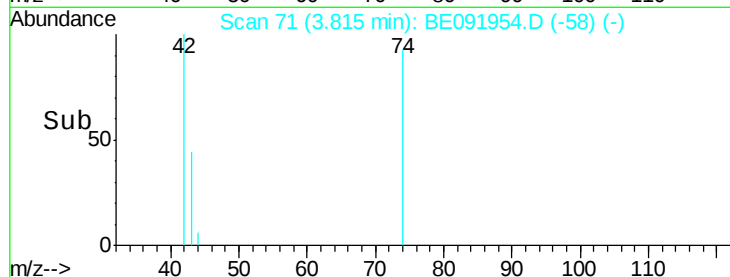
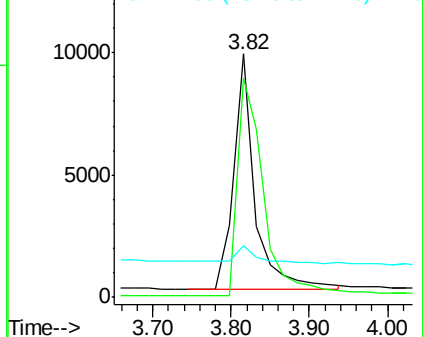
44 7.4 5.0 7.6



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: 9.66 ng

RT: 5.74 min Scan# 182

Delta R.T. 0.02 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

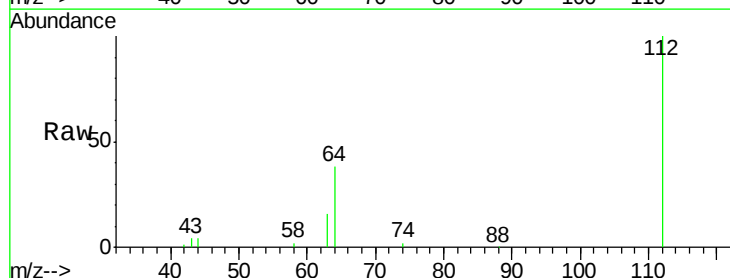
Tgt Ion: 112 Resp: 55469

Ion Ratio Lower Upper

112 100

64 69.1 53.7 80.5

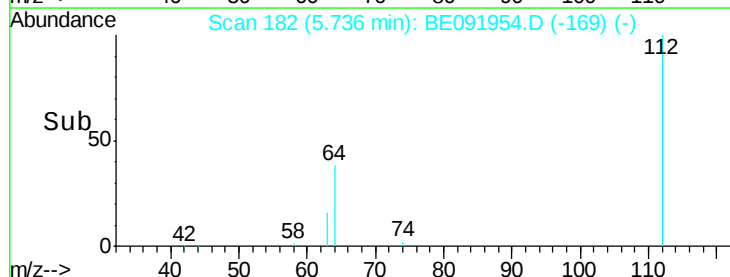
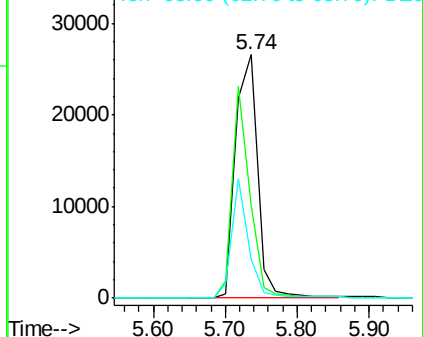
63 36.8 29.5 44.3

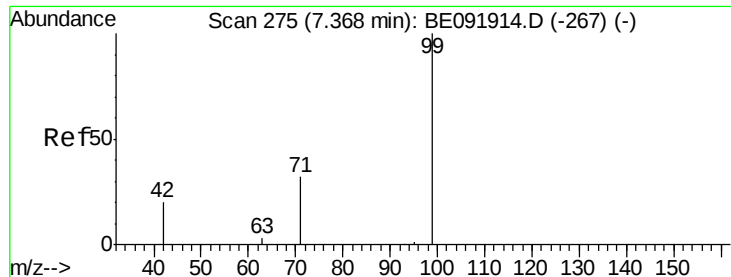


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.94 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.02 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

Instrument :

BNA_E

ClientSampleId :

PB91612BSD

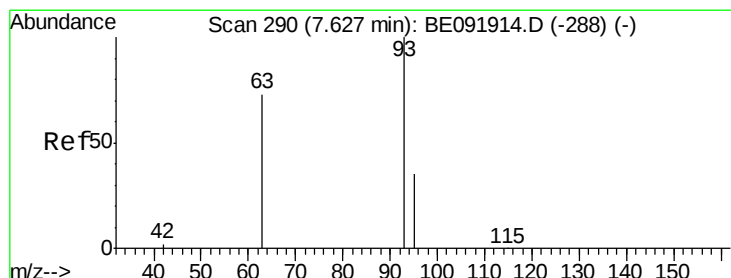
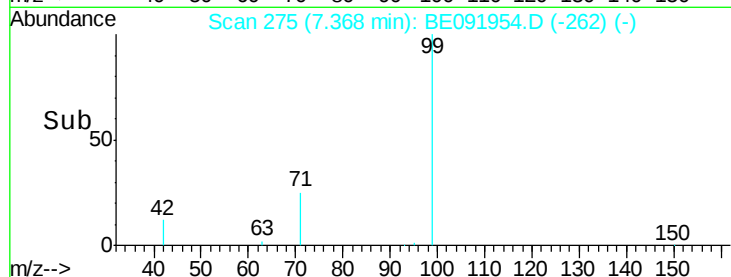
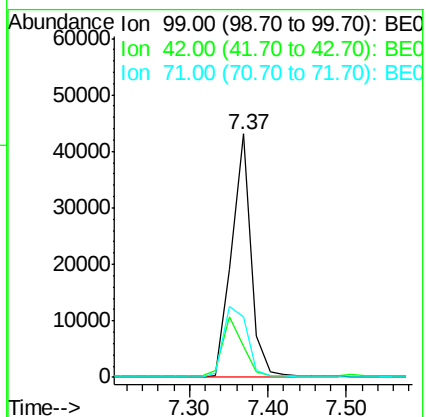
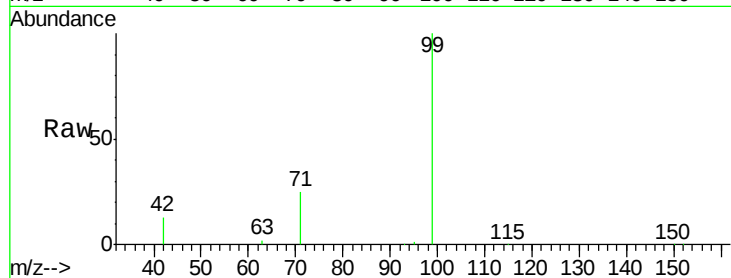
Tgt Ion: 99 Resp: 74798

Ion Ratio Lower Upper

99 100

42 25.2 19.6 29.4

71 35.4 28.1 42.1



#6

bis(2-Chloroethyl)ether

Concen: 3.80 ng

RT: 7.63 min Scan# 290

Delta R.T. 0.02 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

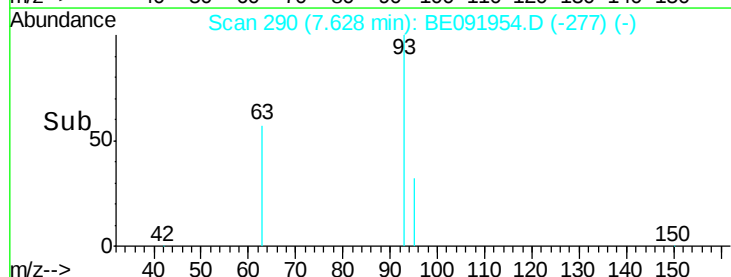
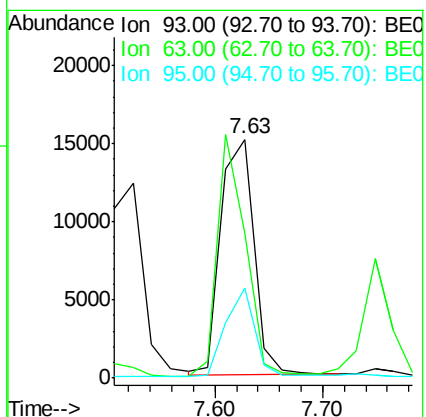
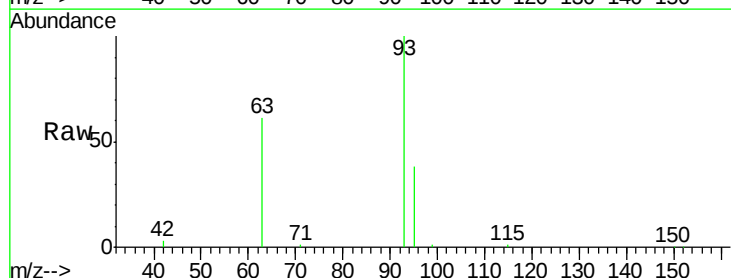
Tgt Ion: 93 Resp: 31920

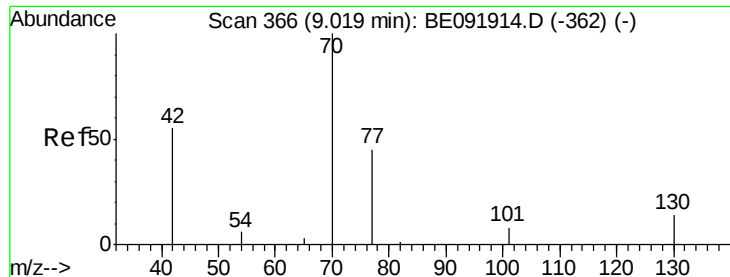
Ion Ratio Lower Upper

93 100

63 87.7 66.2 99.4

95 32.8 25.5 38.3





#7

n-Nitroso-di-n-propylamine

Concen: 3.58 ng

RT: 9.00 min Scan# 365

Delta R.T. 0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion: 70 Resp: 28557

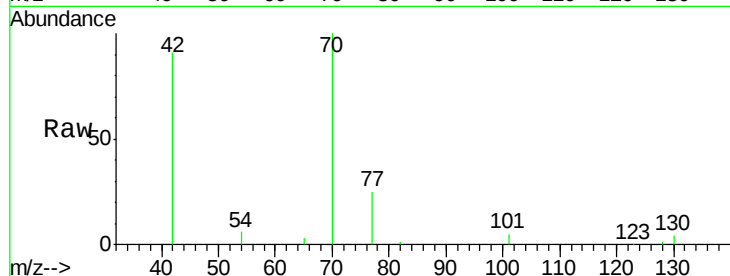
Ion Ratio Lower Upper

70 100

42 74.7 58.4 87.6

101 8.6 6.4 9.6

130 17.6 0.0 0.0#

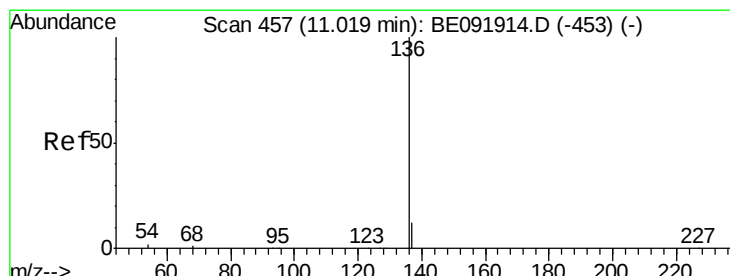
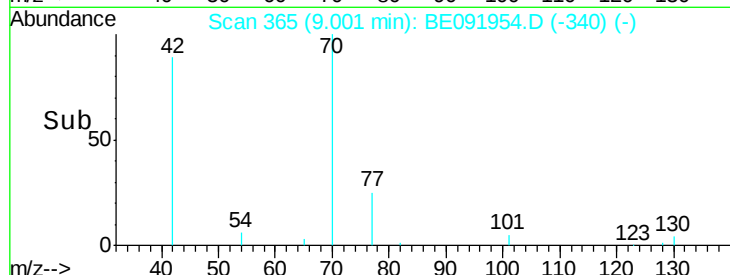
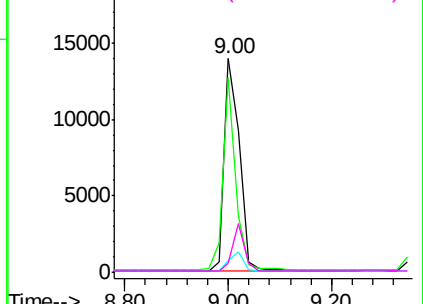


Abundance Ion 70.00 (69.70 to 70.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 11.02 min Scan# 457

Delta R.T. 0.03 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

Tgt Ion: 136 Resp: 126257

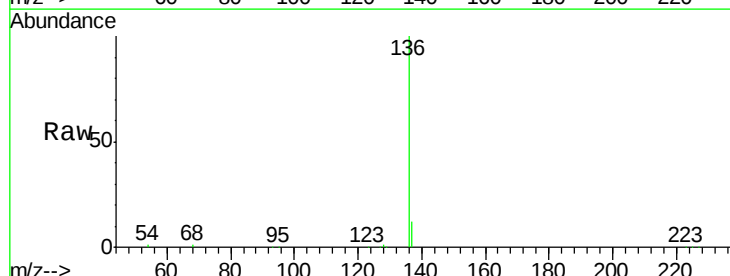
Ion Ratio Lower Upper

136 100

137 12.4 8.3 12.5

54 1.3 8.2 12.4#

68 1.2 5.9 8.9#

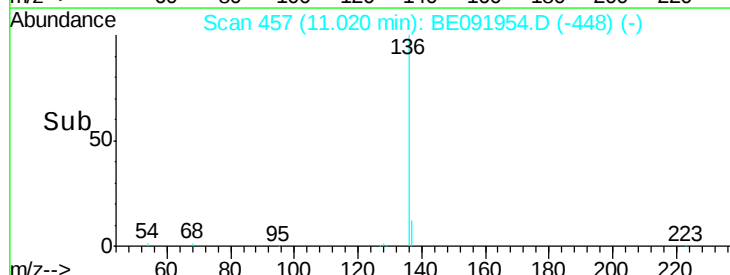
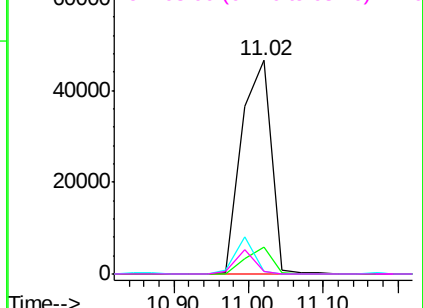


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#9

Nitrobenzene-d5

Concen: 4.70 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.00 min

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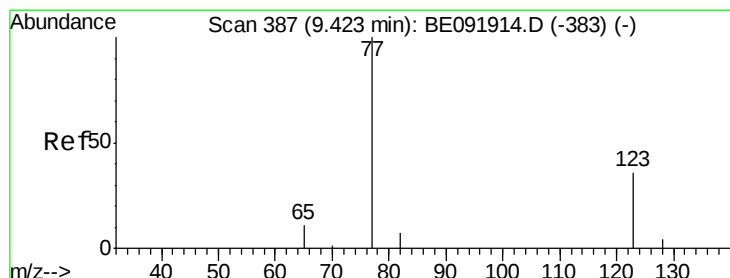
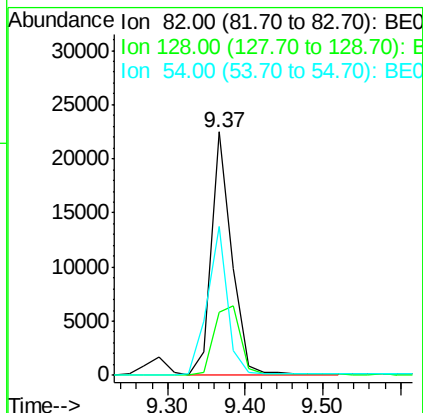
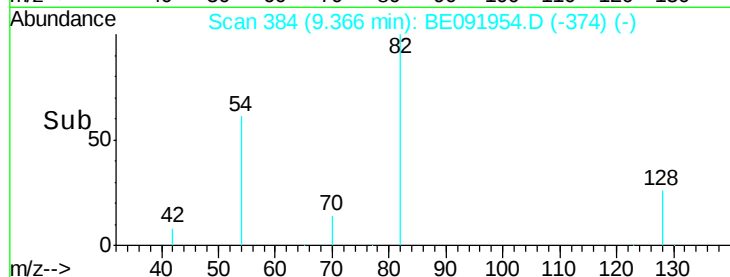
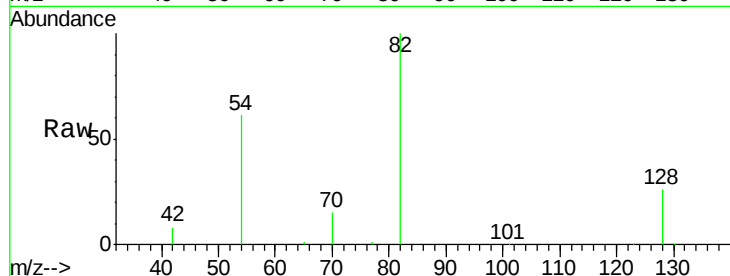
Tgt Ion: 82 Resp: 40973

Ion Ratio Lower Upper

82 100

128 26.1 39.5 59.3#

54 61.3 30.3 45.5#



#10

Nitrobenzene

Concen: 4.04 ng

RT: 9.40 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

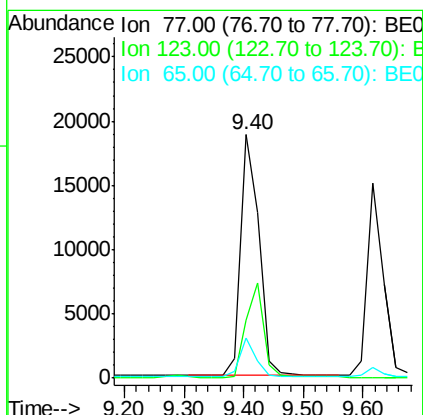
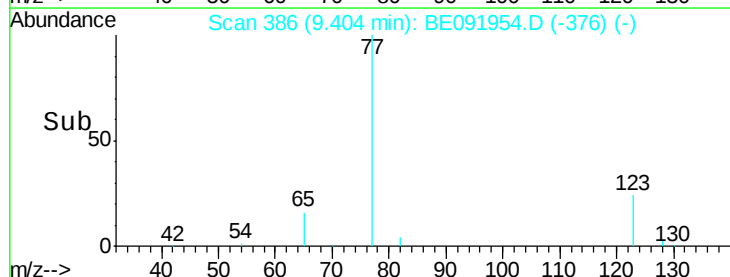
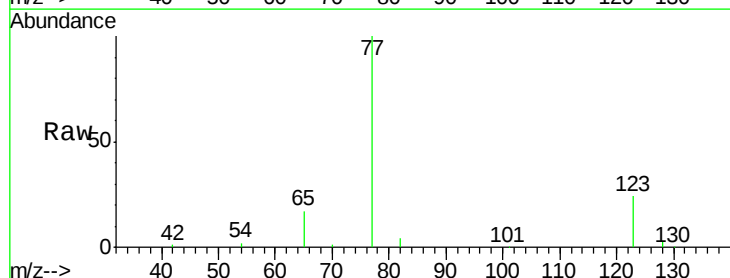
Tgt Ion: 77 Resp: 39922

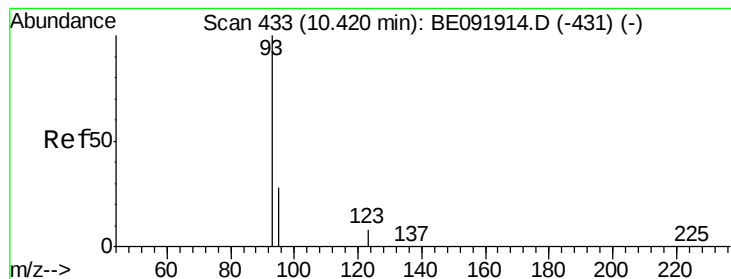
Ion Ratio Lower Upper

77 100

123 38.2 0.0 0.0#

65 14.2 11.1 16.7





#11

bis(2-Chloroethoxy)methane

Concen: 3.75 ng

RT: 10.42 min Scan# 433

Delta R.T. 0.00 min

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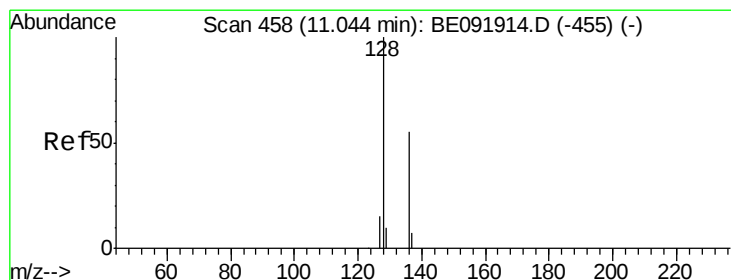
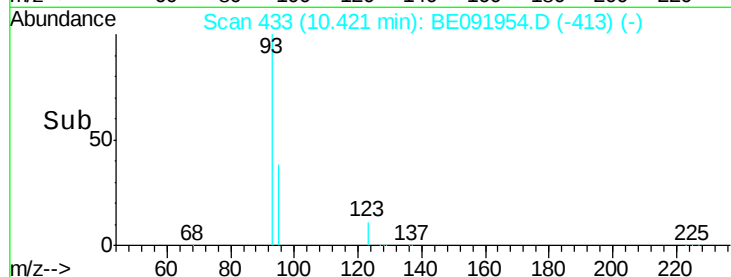
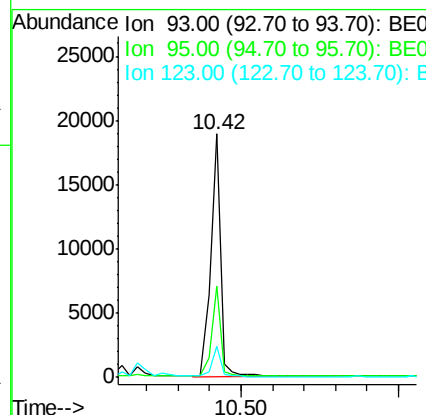
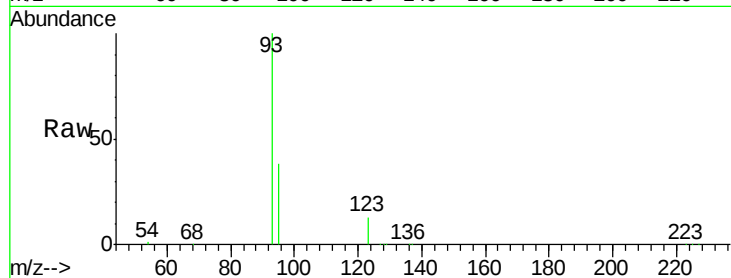
Tgt Ion: 93 Resp: 41453

Ion Ratio Lower Upper

93 100

95 33.6 57.6 86.4#

123 10.7 100.2 150.4#



#12

Naphthalene

Concen: 3.64 ng

RT: 11.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

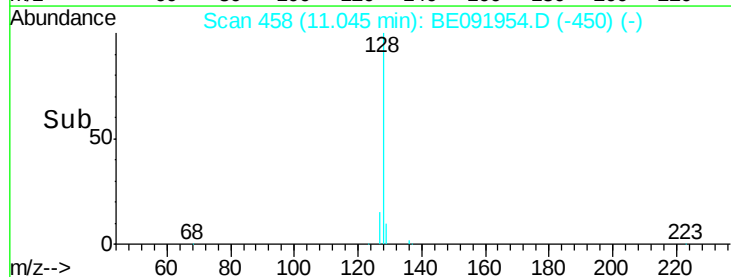
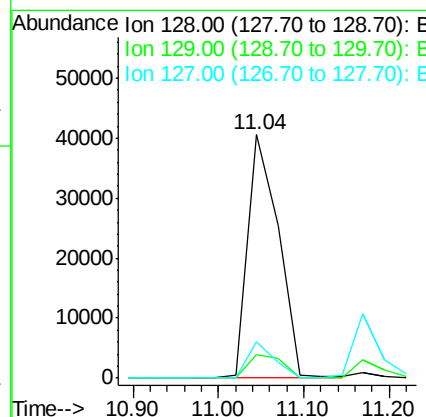
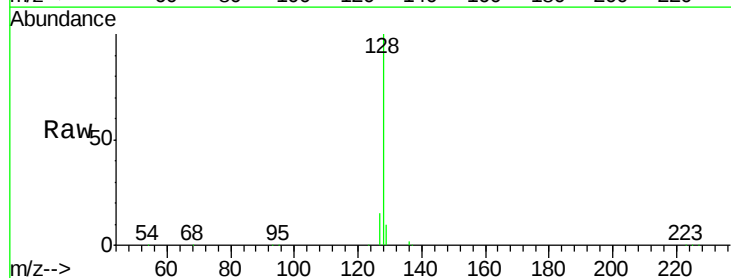
Tgt Ion: 128 Resp: 100392

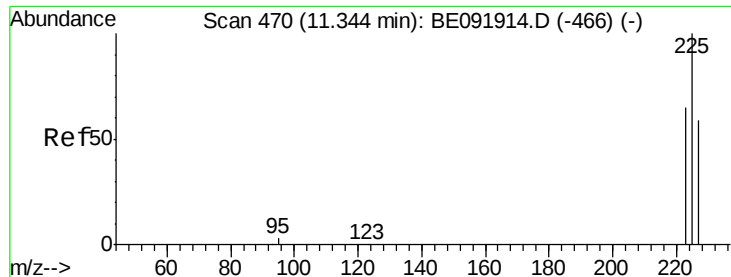
Ion Ratio Lower Upper

128 100

129 9.8 10.4 15.6#

127 15.1 10.2 15.2

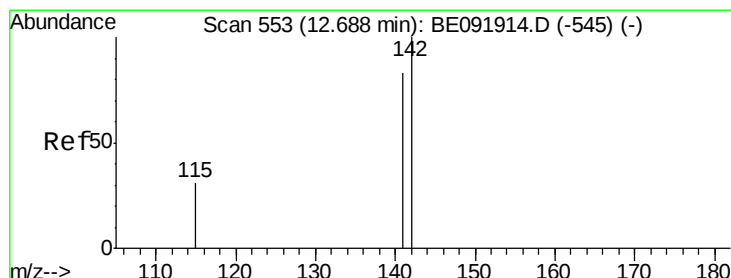
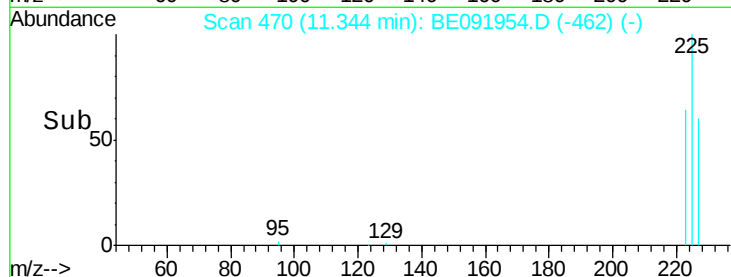
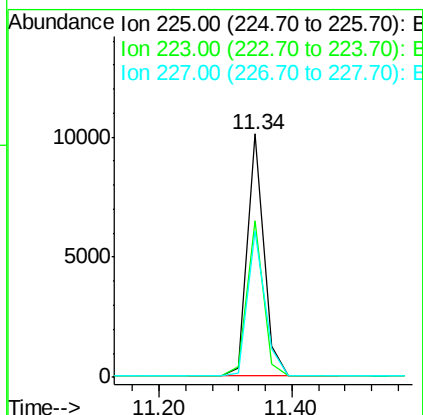
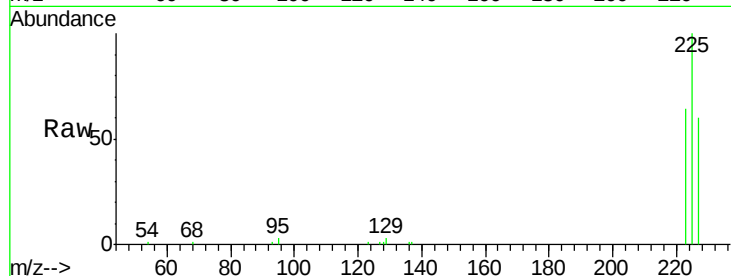




#13
Hexachlorobutadiene
Concen: 3.93 ng
RT: 11.34 min Scan# 470
Delta R.T. 0.00 min
Lab File: BE091954.D
Acq: 24 Jun 2016 19:53

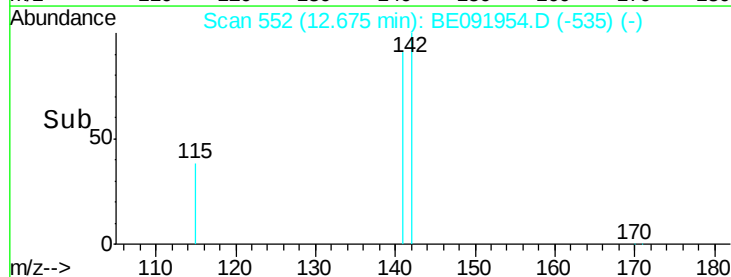
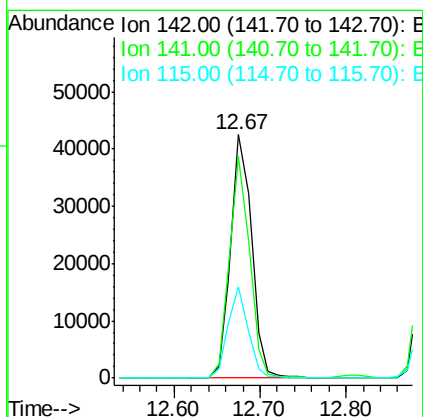
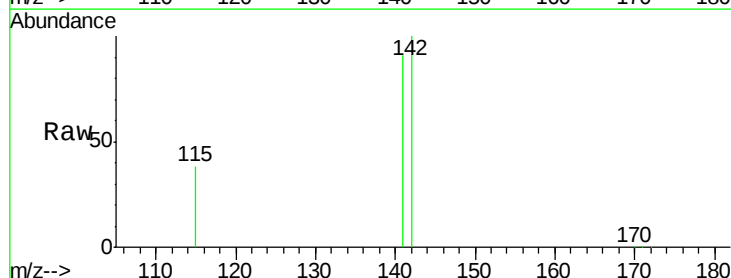
Instrument :
BNA_E
ClientSampleId :
PB91612BSD

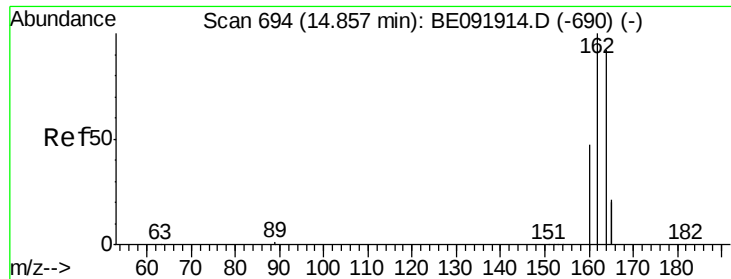
Tgt Ion: 225 Resp: 17531
Ion Ratio Lower Upper
225 100
223 63.1 49.8 74.8
227 62.6 50.6 75.8



#14
2-Methylnaphthalene
Concen: 3.83 ng
RT: 12.67 min Scan# 552
Delta R.T. -0.00 min
Lab File: BE091954.D
Acq: 24 Jun 2016 19:53

Tgt Ion: 142 Resp: 71675
Ion Ratio Lower Upper
142 100
141 90.9 71.9 107.9
115 37.7 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: BE091954.D

Acq: 24 Jun 2016 19:53

Instrument :

BNA_E

ClientSampleId :

PB91612BSD

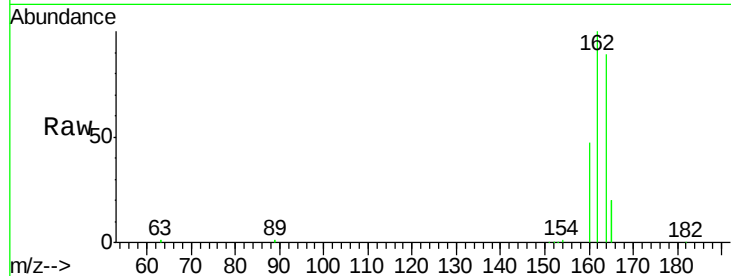
Tgt Ion:164 Resp: 75739

Ion Ratio Lower Upper

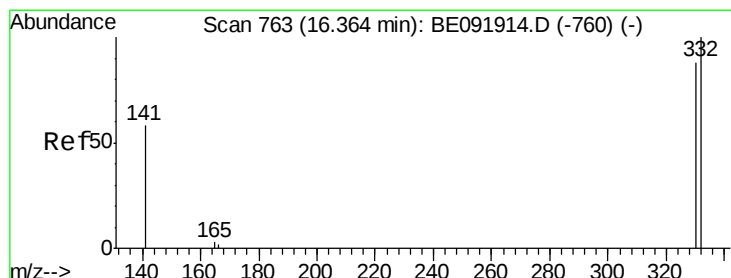
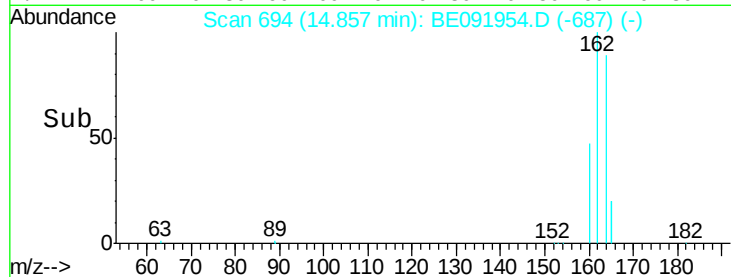
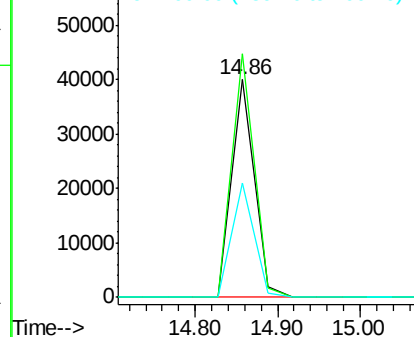
164 100

162 111.8 71.8 107.8#

160 52.7 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: 10.07 ng

RT: 16.35 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

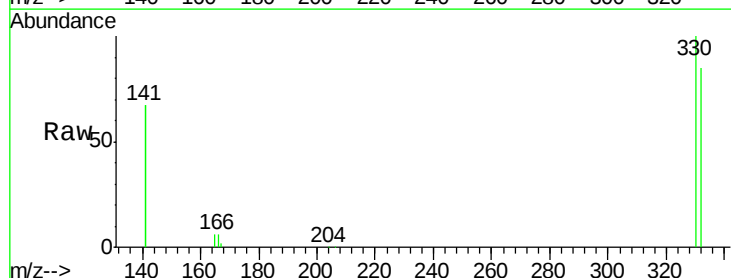
Tgt Ion:330 Resp: 19893

Ion Ratio Lower Upper

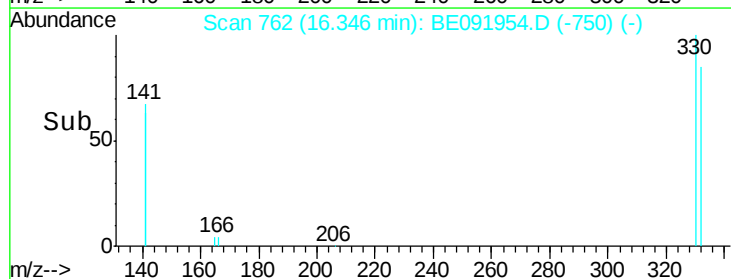
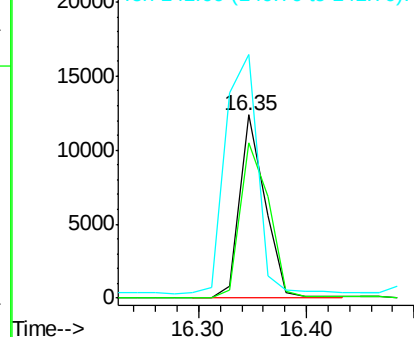
330 100

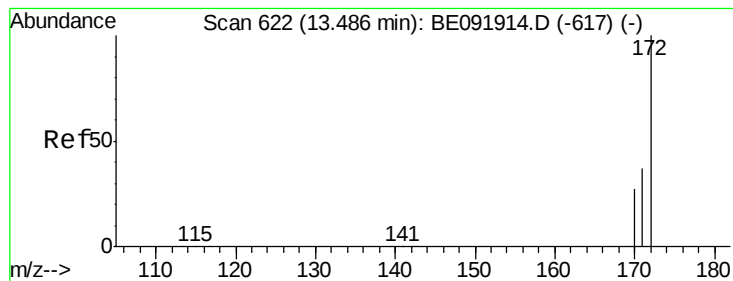
332 95.7 77.0 115.6

141 165.3 138.4 207.6



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

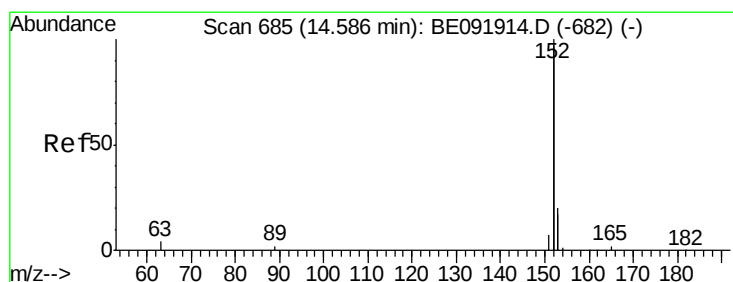
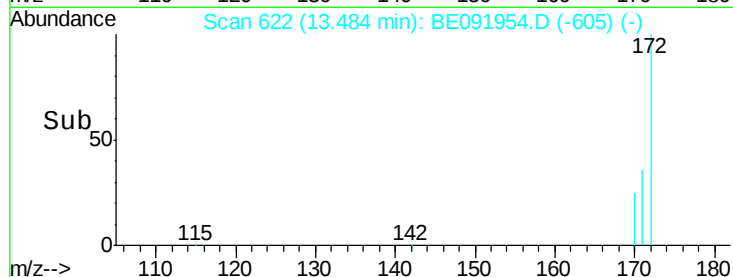
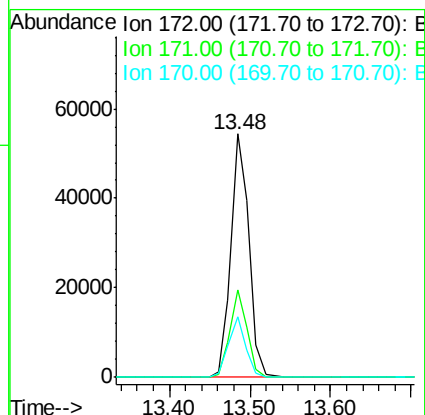
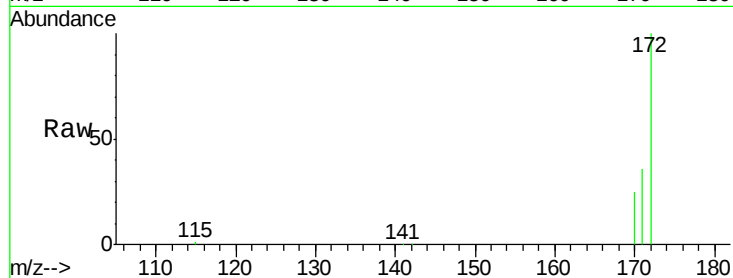




#17
2-Fluorobiphenyl
Concen: 4.36 ng
RT: 13.48 min Scan# 622
Delta R.T. -0.00 min
Lab File: BE091954.D
Acq: 24 Jun 2016 19:53

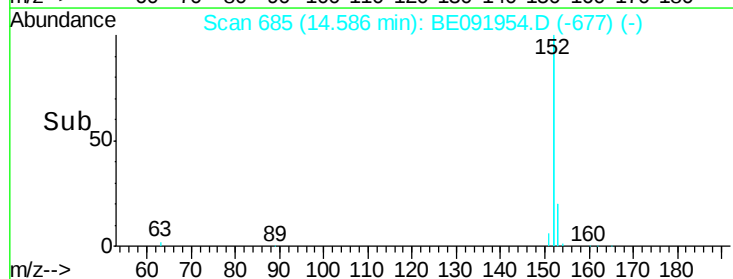
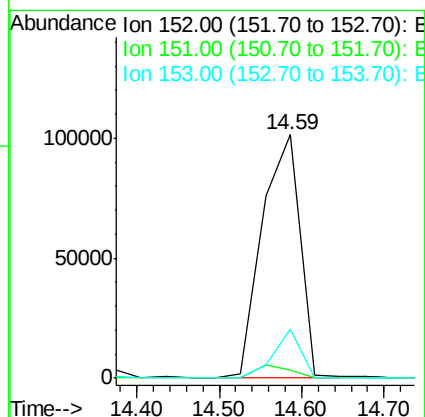
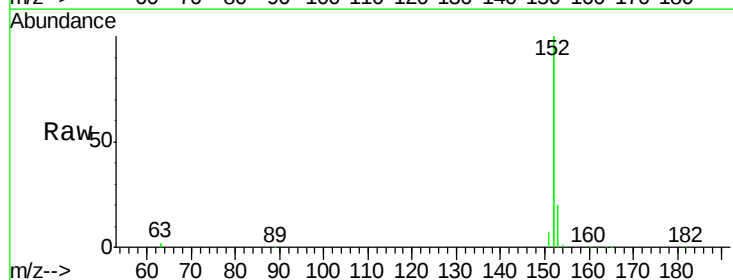
Instrument :
BNA_E
ClientSampleId :
PB91612BSD

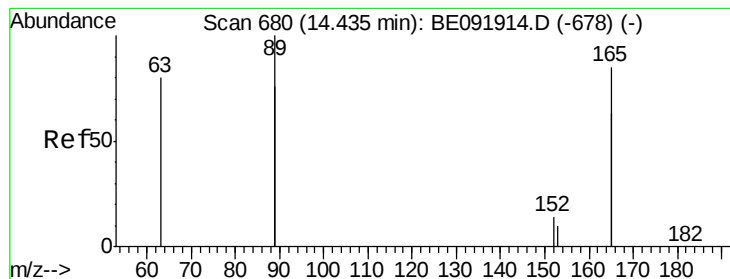
Tgt Ion:172 Resp: 83759
Ion Ratio Lower Upper
172 100
171 35.9 24.3 36.5
170 24.8 14.9 22.3#



#18
Acenaphthylene
Concen: 4.22 ng
RT: 14.59 min Scan# 685
Delta R.T. 0.03 min
Lab File: BE091954.D
Acq: 24 Jun 2016 19:53

Tgt Ion:152 Resp: 324665
Ion Ratio Lower Upper
152 100
151 0.0 19.4 29.2#
153 14.5 14.4 21.6





#19

2,6-Dinitrotoluene

Concen: 3.20 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

Instrument :

BNA_E

ClientSampleId :

PB91612BSD

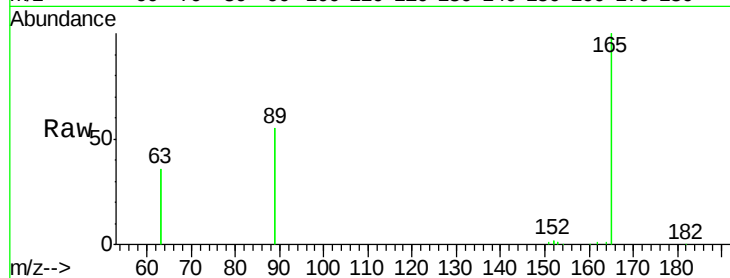
Tgt Ion:165 Resp: 52275

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

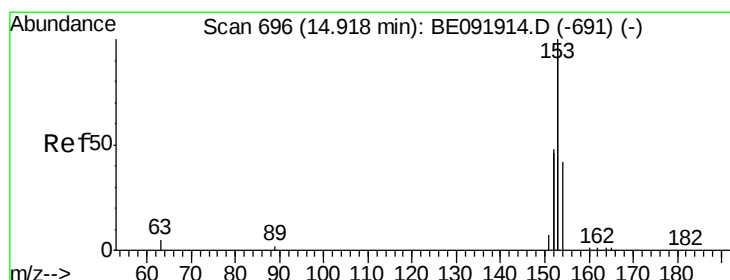
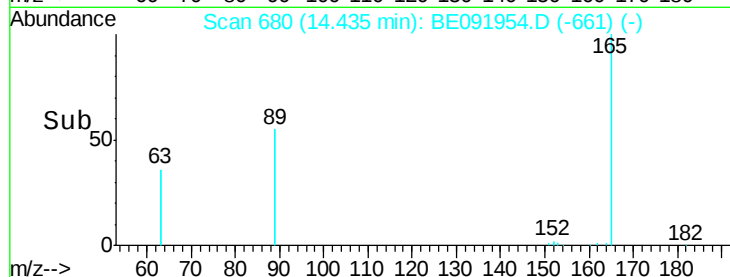
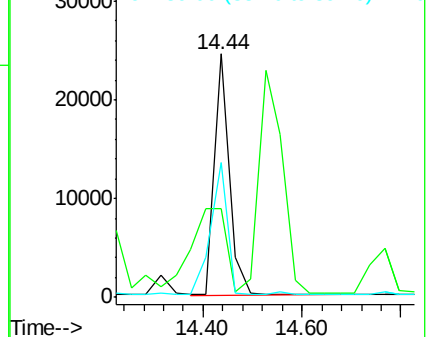
89 61.8 59.1 88.7



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: 3.81 ng

RT: 14.92 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

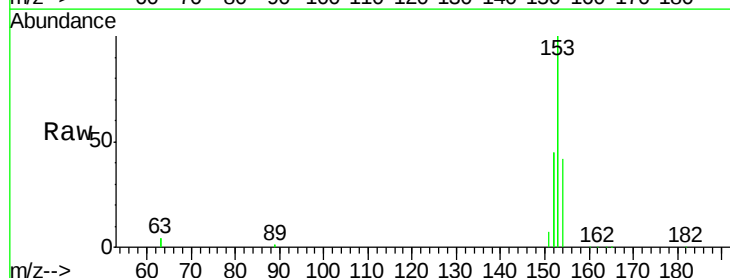
Tgt Ion:154 Resp: 80615

Ion Ratio Lower Upper

154 100

153 469.2 88.1 132.1#

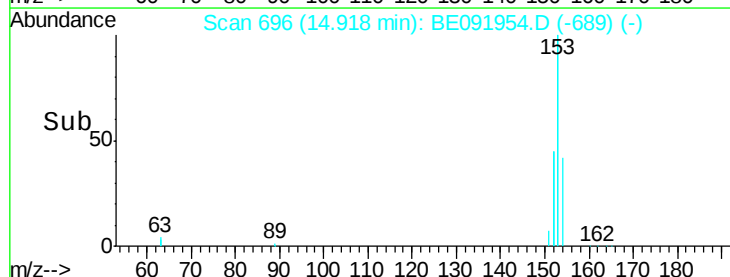
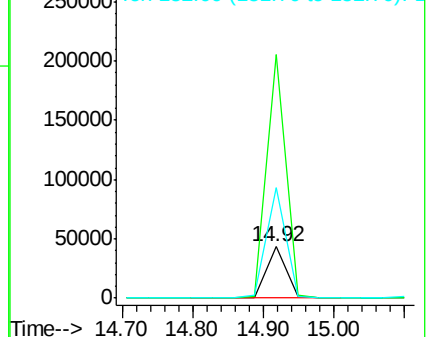
152 215.5 44.2 66.2#

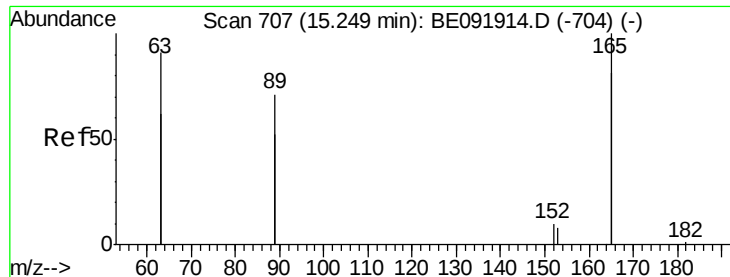


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

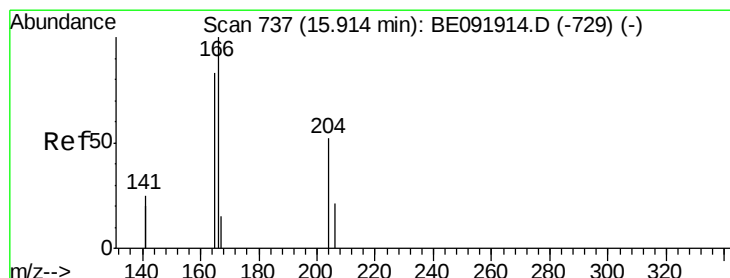
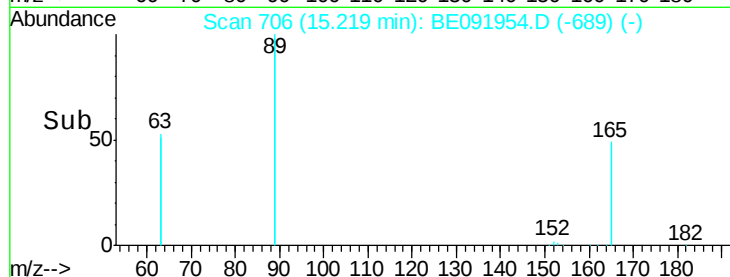
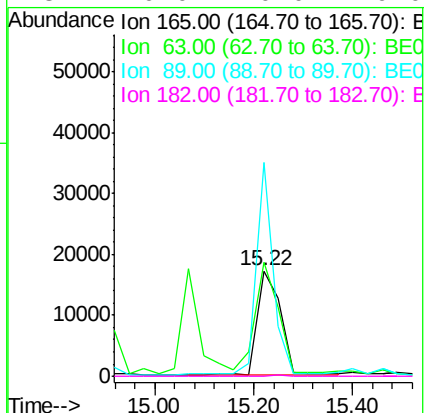
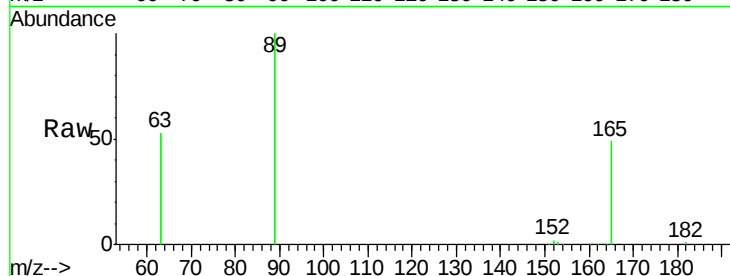




#21
2,4-Dinitrotoluene
Concen: 3.67 ng
RT: 15.22 min Scan# 706
Delta R.T. 0.00 min
Lab File: BE091954.D
Acq: 24 Jun 2016 19:53

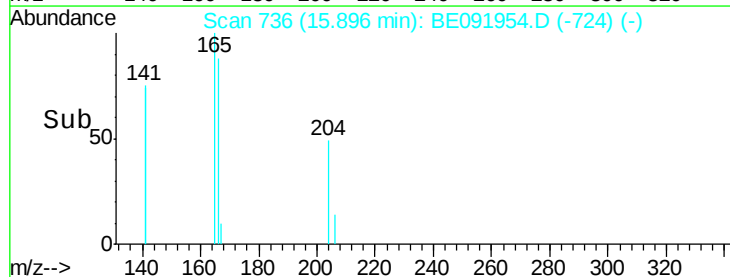
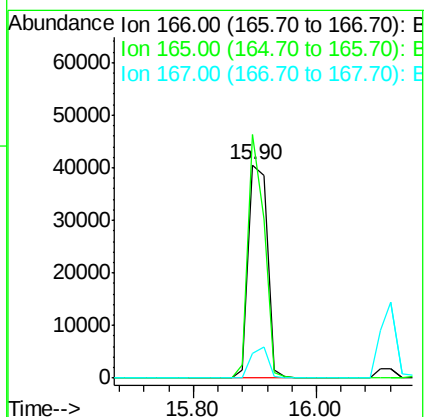
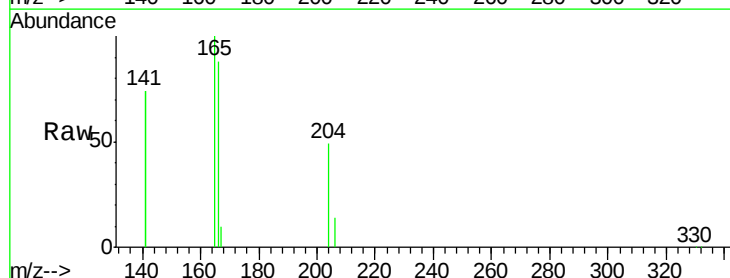
Instrument :
BNA_E
ClientSampleId :
PB91612BSD

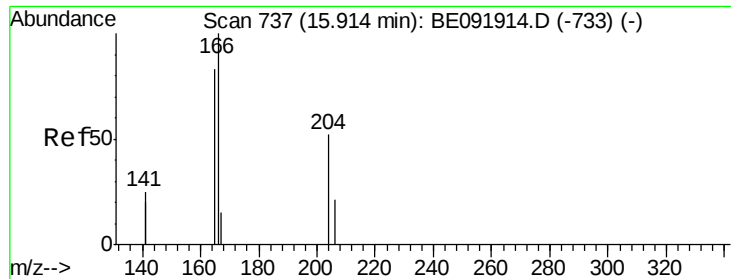
Tgt Ion:165 Resp: 55141
Ion Ratio Lower Upper
165 100
63 106.7 0.0 0.0#
89 153.7 99.8 149.8#
182 0.0 0.0 0.0



#22
Fluorene
Concen: 4.05 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE091954.D
Acq: 24 Jun 2016 19:53

Tgt Ion:166 Resp: 85235
Ion Ratio Lower Upper
166 100
165 97.7 78.6 117.8
167 13.4 10.8 16.2

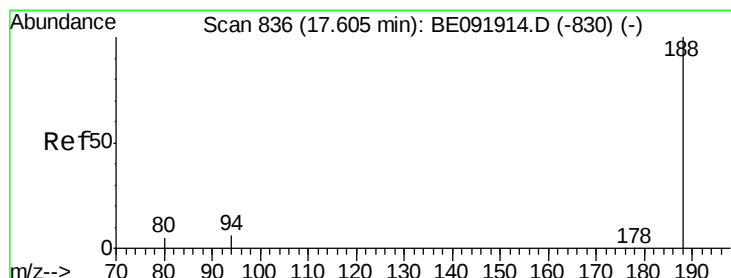
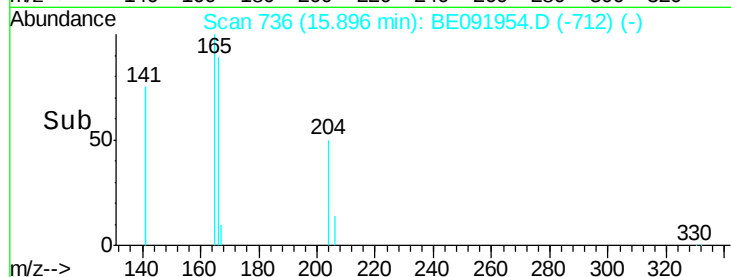
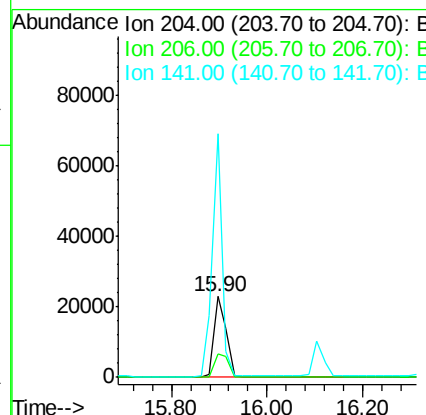
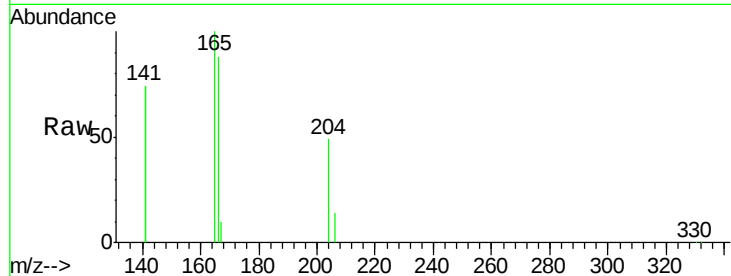




#23
 4-Chlorophenyl-phenylether
 Concen: 3.79 ng
 RT: 15.90 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: BE091954.D
 Acq: 24 Jun 2016 19:53

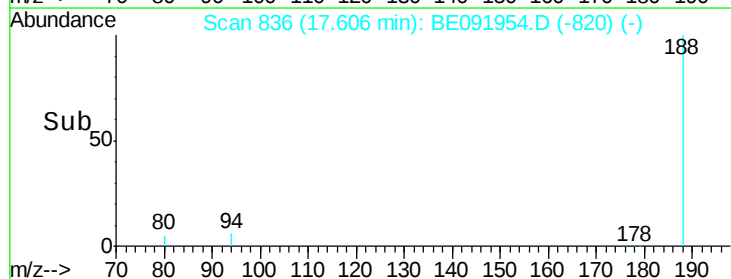
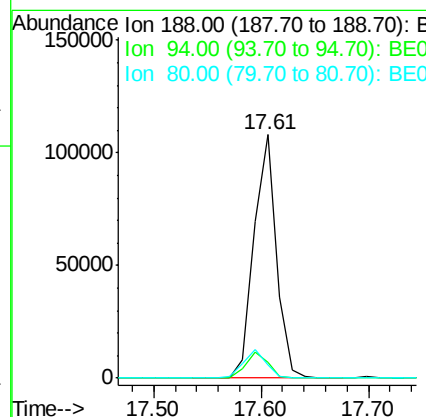
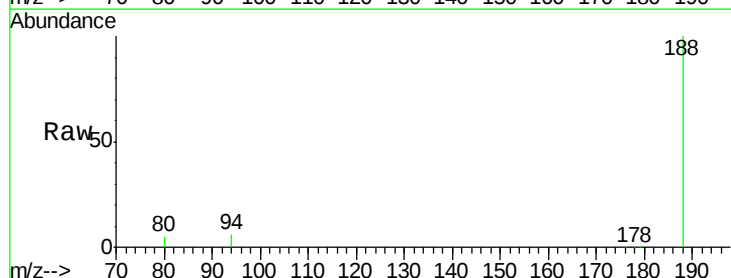
Instrument :
 BNA_E
 ClientSampleId :
 PB91612BSD

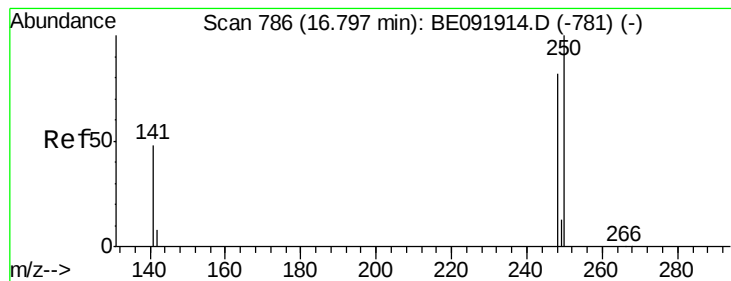
Tgt Ion: 204 Resp: 39330
 Ion Ratio Lower Upper
 204 100
 206 33.6 27.8 41.6
 141 247.5 197.6 296.4



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.61 min Scan# 836
 Delta R.T. -0.00 min
 Lab File: BE091954.D
 Acq: 24 Jun 2016 19:53

Tgt Ion: 188 Resp: 157414
 Ion Ratio Lower Upper
 188 100
 94 6.2 4.1 6.1#
 80 5.3 3.4 5.2#





#25

4-Bromophenyl-phenylether

Concen: 3.95 ng

RT: 16.78 min Scan# 785

Delta R.T. 0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

Instrument :

BNA_E

ClientSampleId :

PB91612BSD

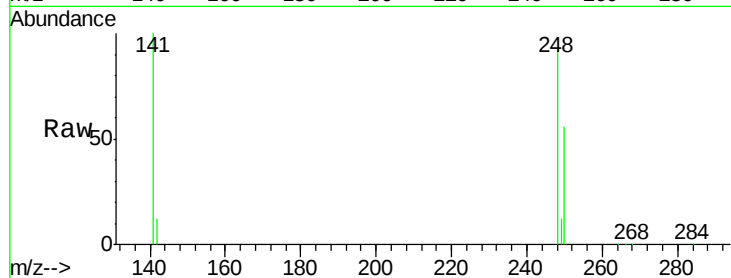
Tgt Ion:248 Resp: 24067

Ion Ratio Lower Upper

248 100

250 98.0 75.7 113.5

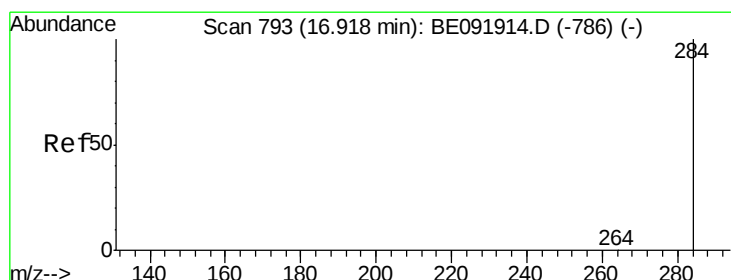
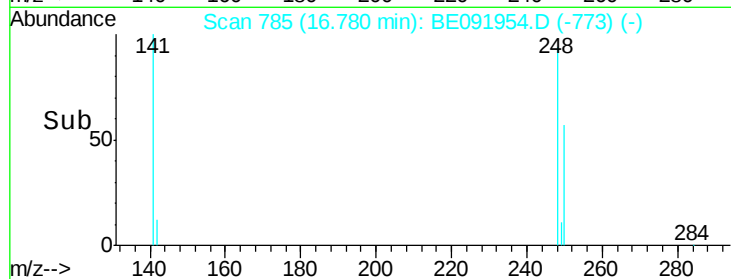
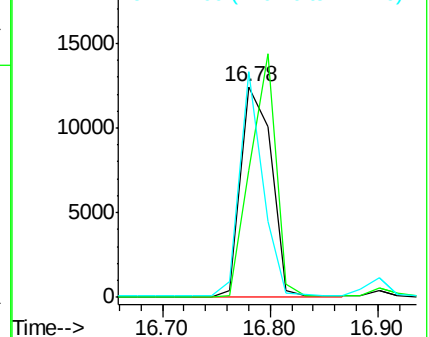
141 80.5 64.6 97.0



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#26

Hexachlorobenzene

Concen: 3.92 ng

RT: 16.92 min Scan# 793

Delta R.T. 0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

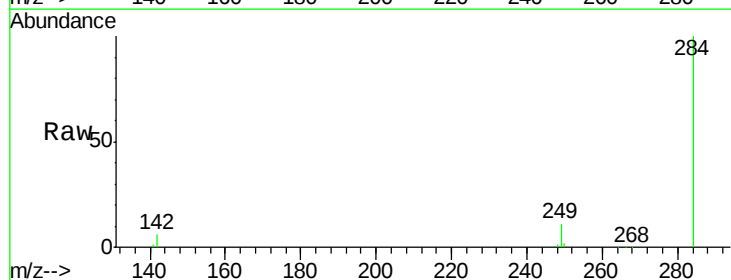
Tgt Ion:284 Resp: 24498

Ion Ratio Lower Upper

284 100

142 40.3 31.4 47.2

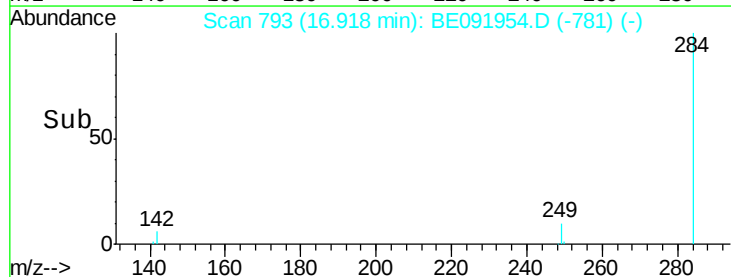
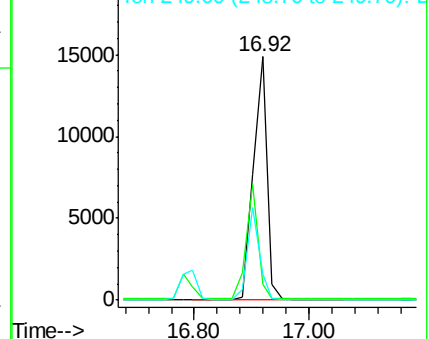
249 33.1 25.3 37.9

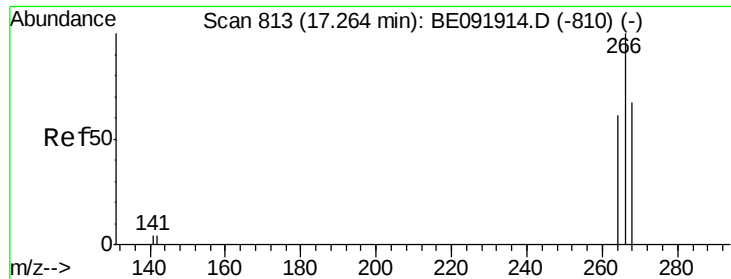


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#27

Pentachlorophenol

Concen: 7.86 ng

RT: 17.25 min Scan# 812

Delta R.T. 0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

Instrument :

BNA_E

ClientSampleId :

PB91612BSD

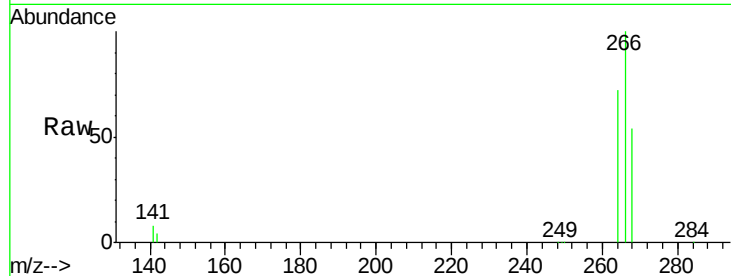
Tgt Ion:266 Resp: 28983

Ion Ratio Lower Upper

266 100

268 54.1 60.5 90.7#

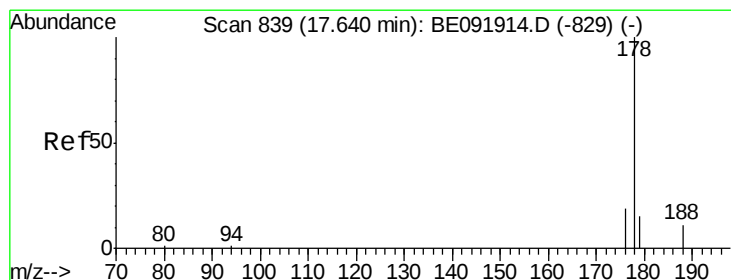
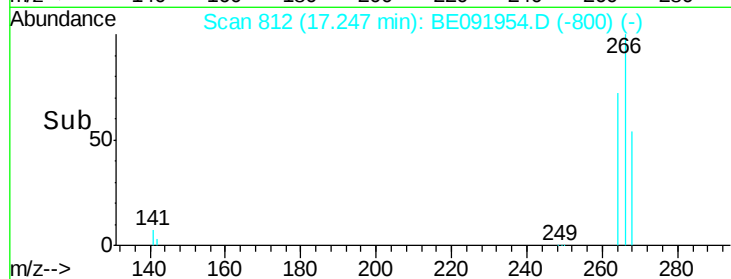
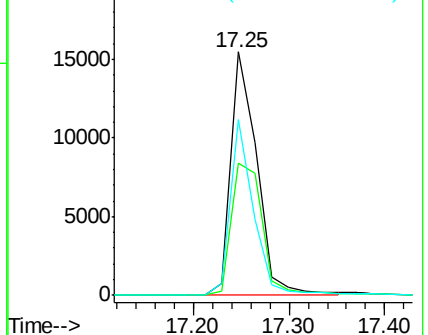
264 72.5 51.0 76.4



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: 3.77 ng

RT: 17.64 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

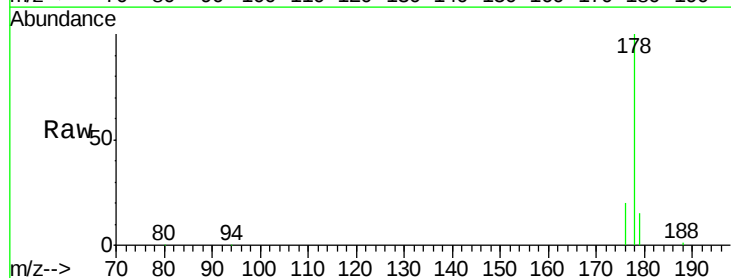
Tgt Ion:178 Resp: 148433

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

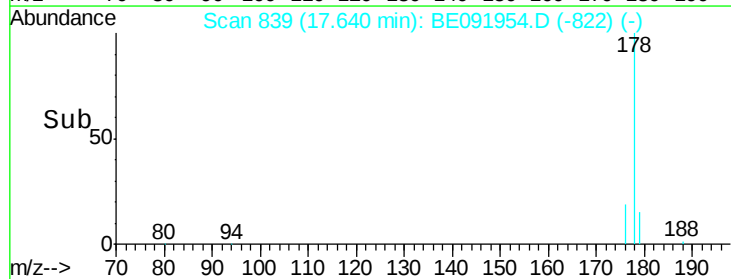
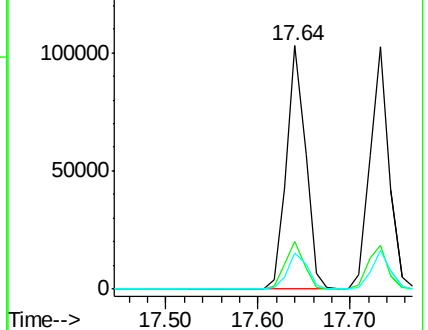
179 15.5 12.9 19.3

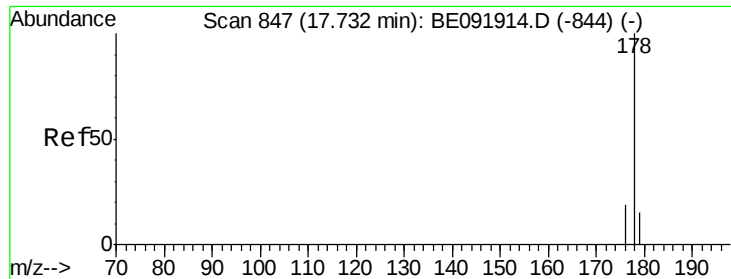


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 4.28 ng

RT: 17.73 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

Instrument :

BNA_E

ClientSampleId :

PB91612BSD

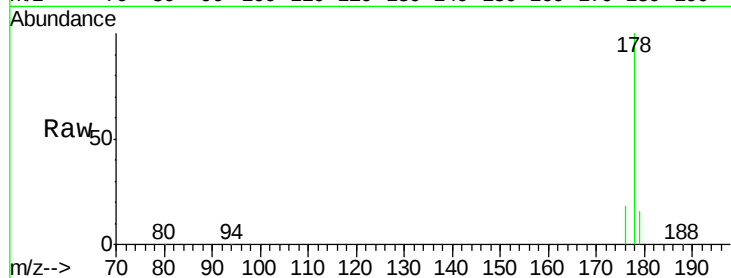
Tgt Ion:178 Resp: 148988

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

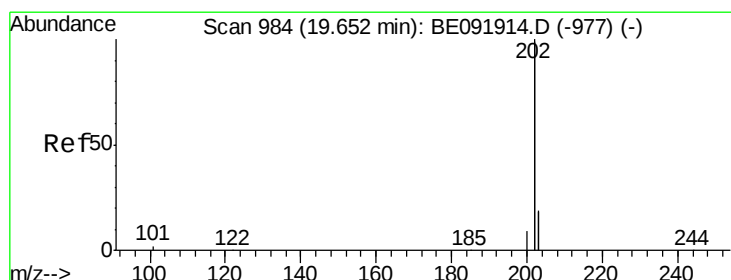
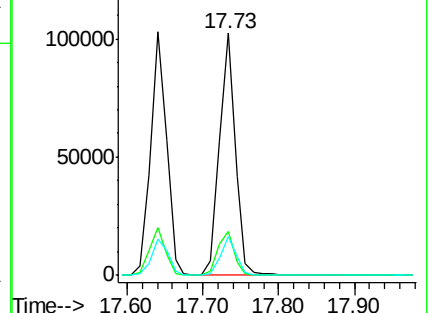
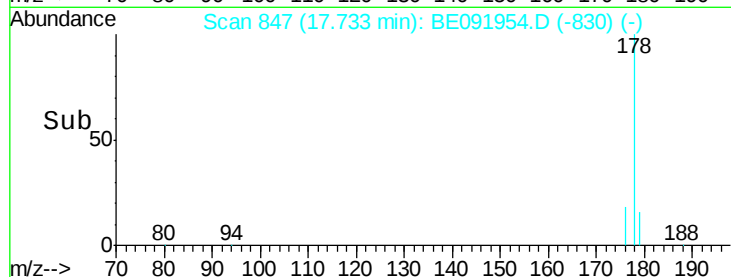
179 15.3 12.1 18.1



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: 4.37 ng

RT: 19.65 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

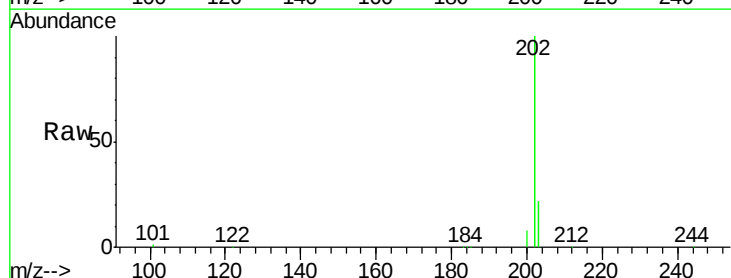
Tgt Ion:202 Resp: 735965

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

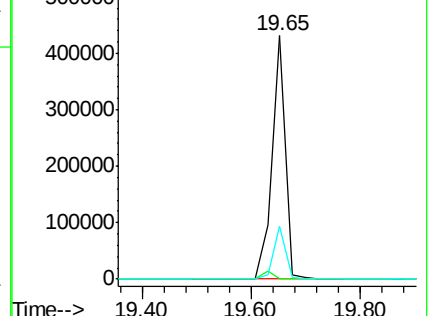
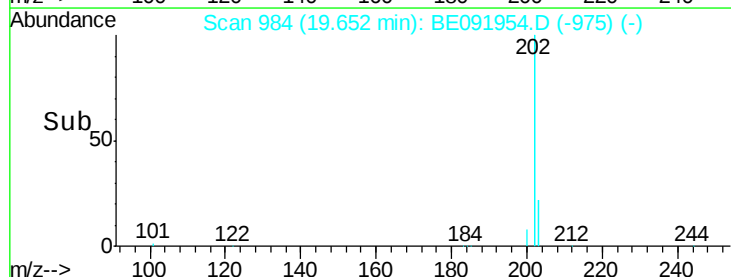
203 19.8 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

Instrument :

BNA_E

ClientSampleId :

PB91612BSD

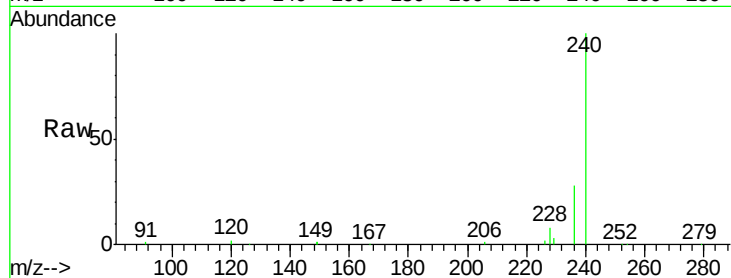
Tgt Ion:240 Resp: 276411

Ion Ratio Lower Upper

240 100

120 1.7 1.2 1.8

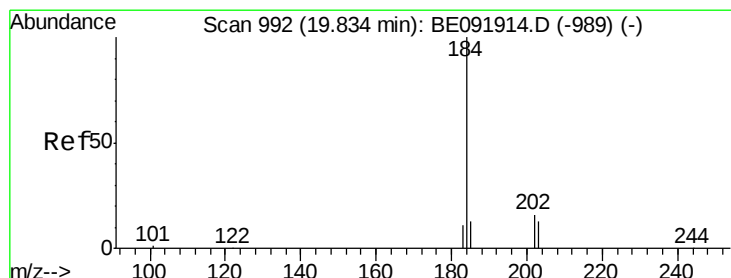
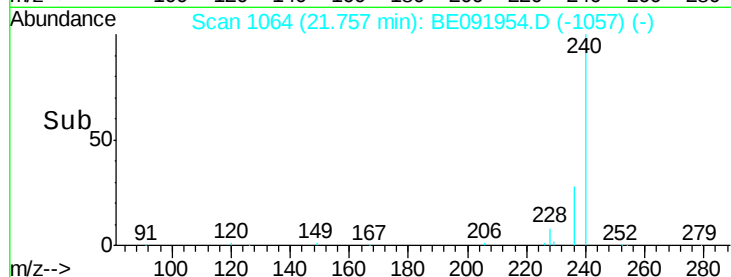
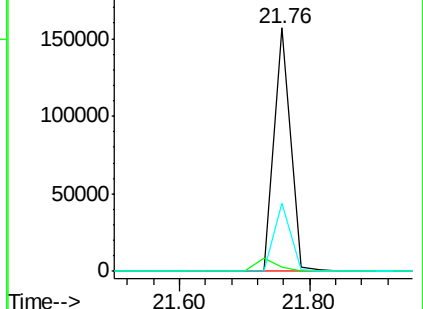
236 28.3 19.8 29.8



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: 3.59 ng

RT: 19.83 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

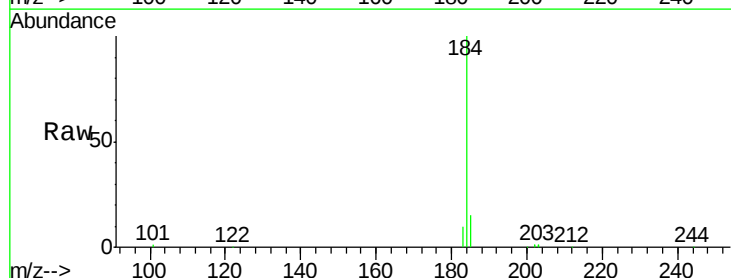
Tgt Ion:184 Resp: 61485

Ion Ratio Lower Upper

184 100

185 15.1 11.4 17.2

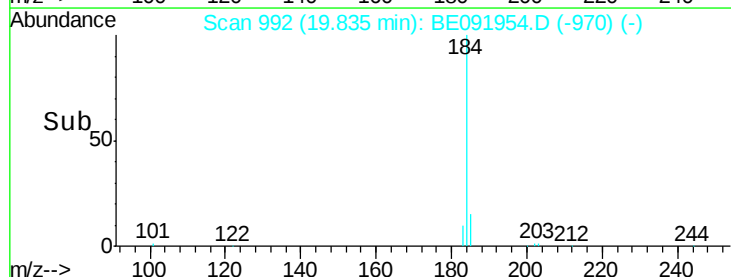
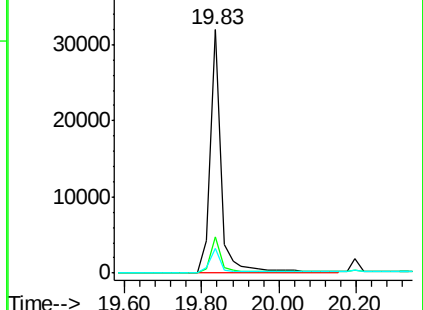
183 9.9 11.8 17.6#

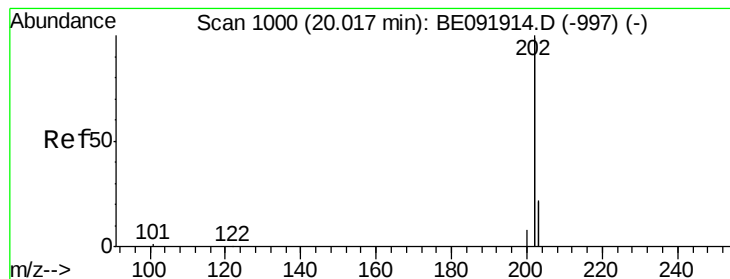


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 3.90 ng

RT: 20.02 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

Instrument :

BNA_E

ClientSampleId :

PB91612BSD

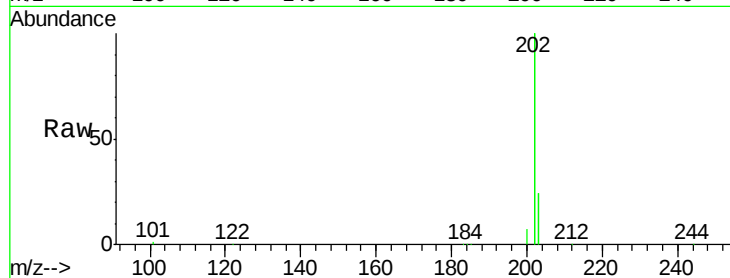
Tgt Ion: 202 Resp: 733129

Ion Ratio Lower Upper

202 100

200 0.0 16.9 25.3#

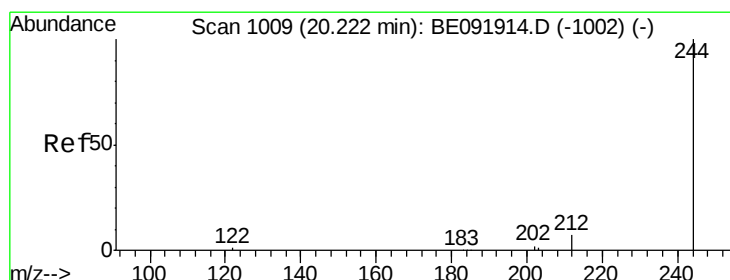
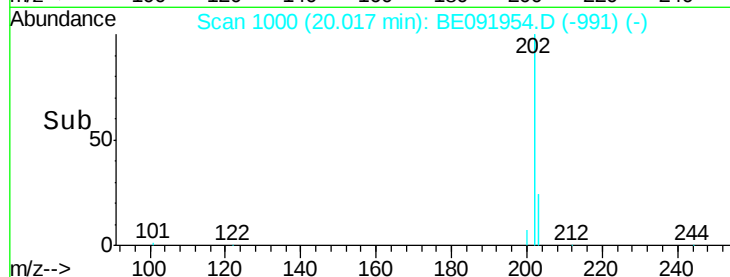
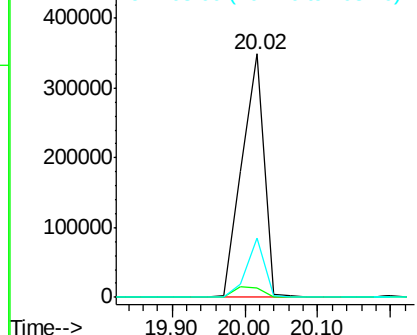
203 19.8 14.1 21.1



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: 3.80 ng

RT: 20.22 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

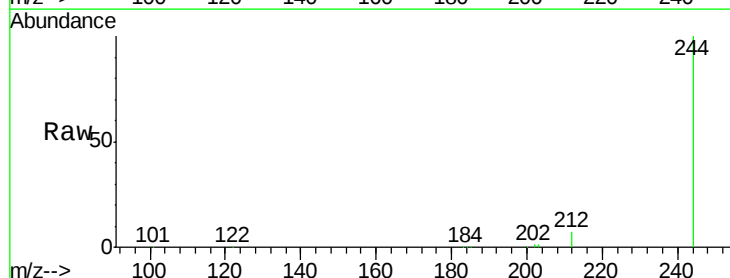
Tgt Ion: 244 Resp: 128552

Ion Ratio Lower Upper

244 100

212 7.0 6.5 9.7

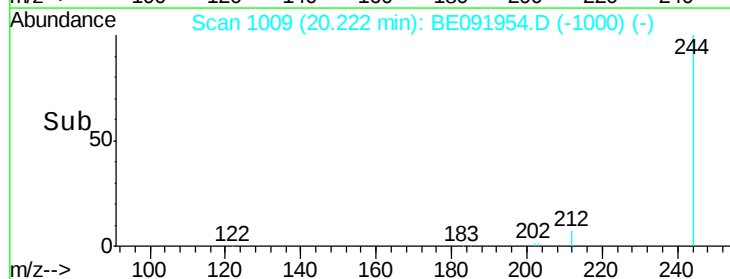
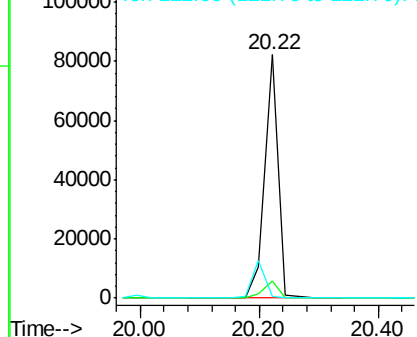
122 0.5 2.9 4.3#

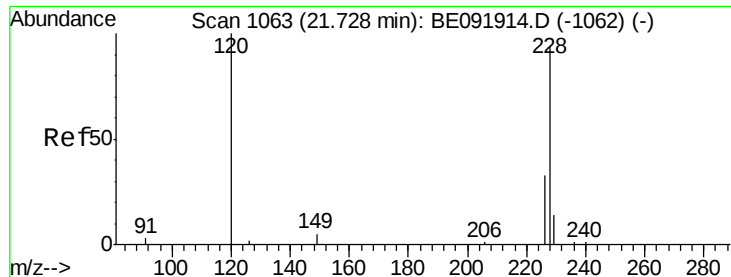


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 9.78 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

Instrument :

BNA_E

ClientSampleId :

PB91612BSD

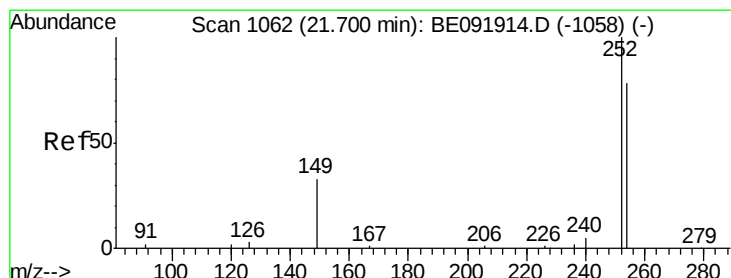
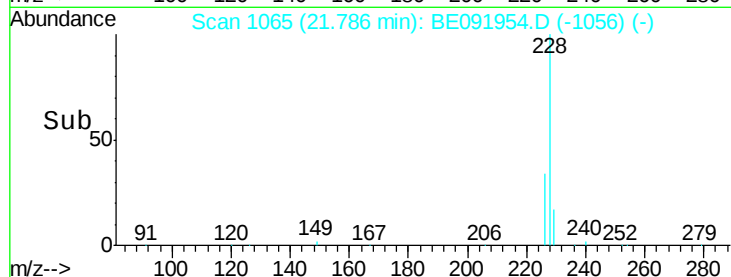
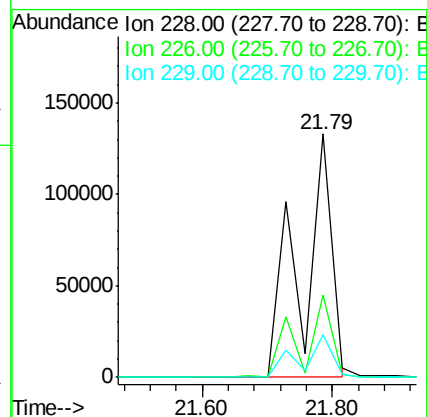
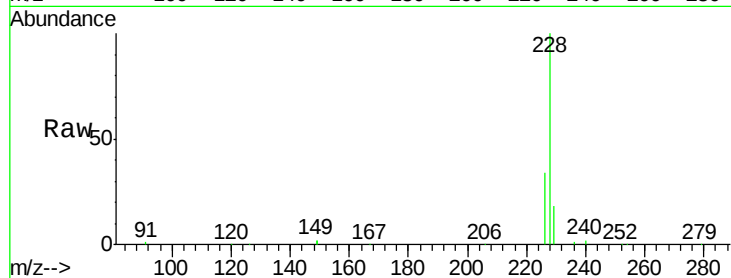
Tgt Ion:228 Resp: 424916

Ion Ratio Lower Upper

228 100

226 33.8 21.0 31.4#

229 17.7 15.8 23.8



#36

3,3'-Dichlorobenzidine

Concen: 7.30 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

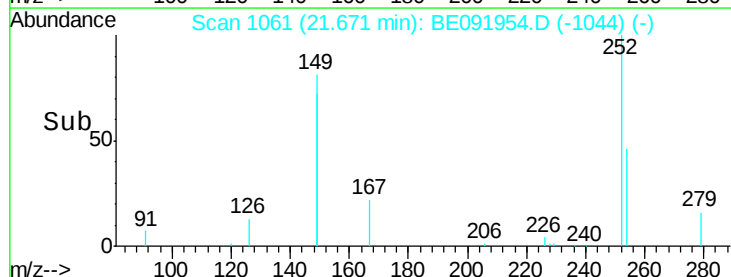
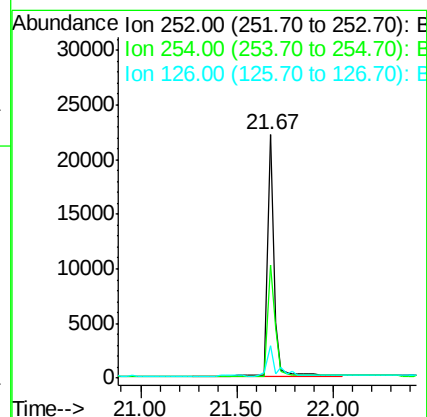
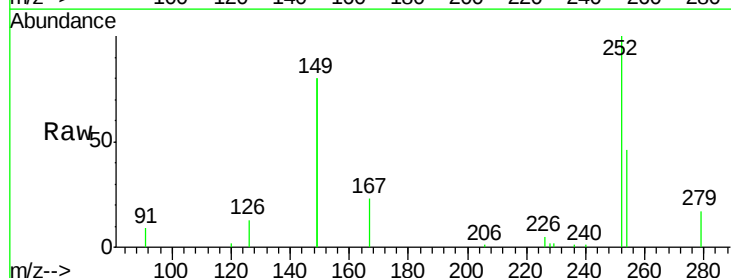
Tgt Ion:252 Resp: 51355

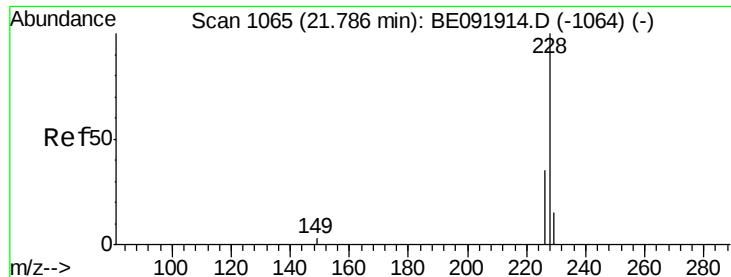
Ion Ratio Lower Upper

252 100

254 46.4 61.5 92.3#

126 13.3 2.5 3.7#





#37

Chrysene

Concen: 6.74 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

Instrument :

BNA_E

ClientSampleId :

PB91612BSD

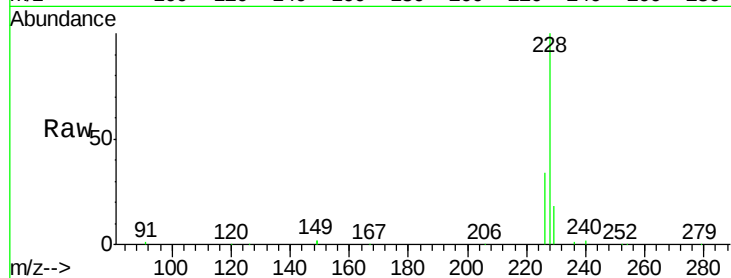
Tgt Ion:228 Resp: 427523

Ion Ratio Lower Upper

228 100

226 33.8 27.0 40.6

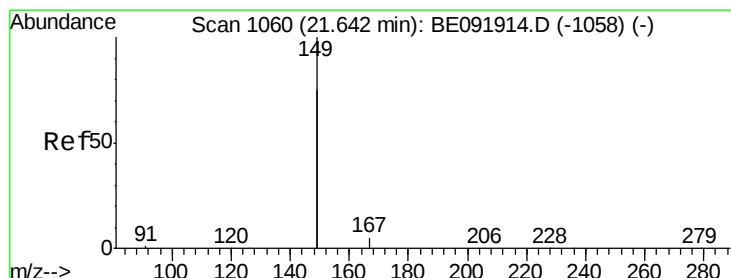
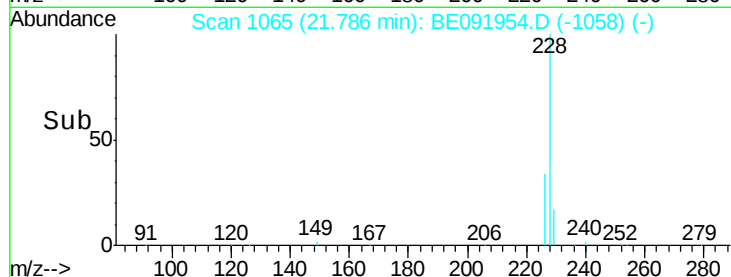
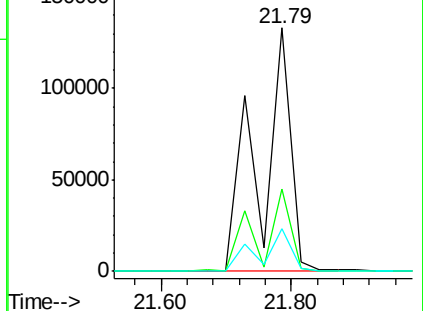
229 17.7 13.8 20.8



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: 5.79 ng

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

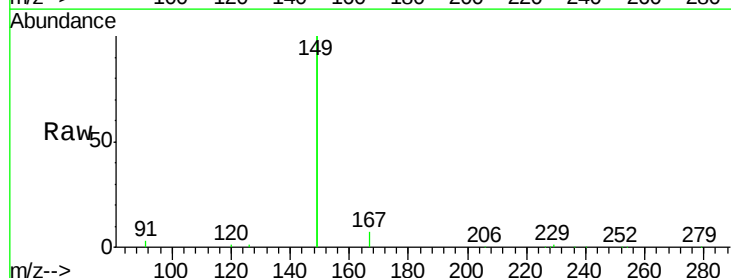
Tgt Ion:149 Resp: 284582

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

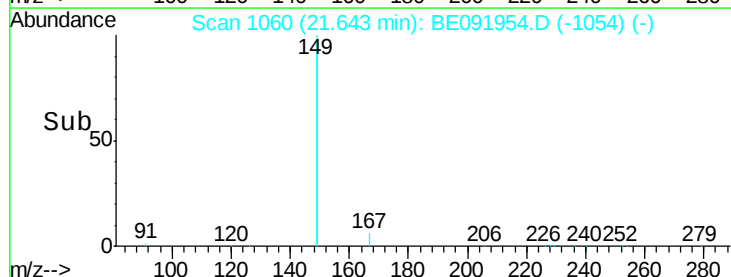
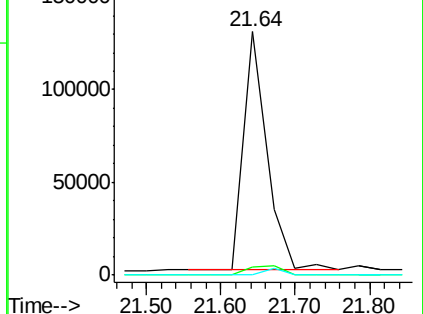
279 0.0 0.0 0.0

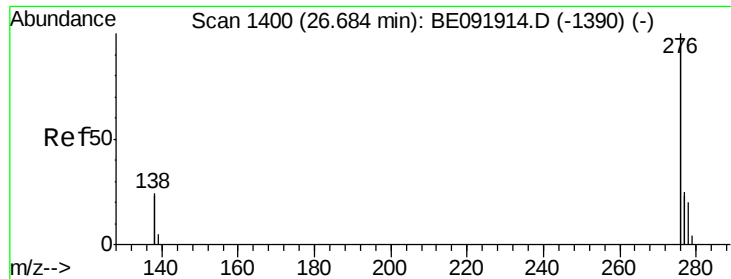


Abundance Ion 149.00 (148.70 to 149.70): E

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: 4.34 ng

RT: 26.68 min Scan# 1400

Delta R.T. -0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

Instrument :

BNA_E

ClientSampleId :

PB91612BSD

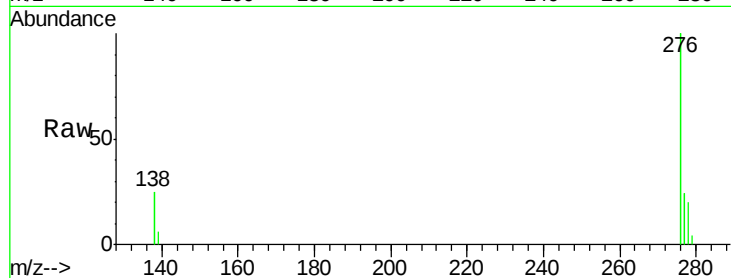
Tgt Ion: 276 Resp: 942718

Ion Ratio Lower Upper

276 100

138 25.7 19.7 29.5

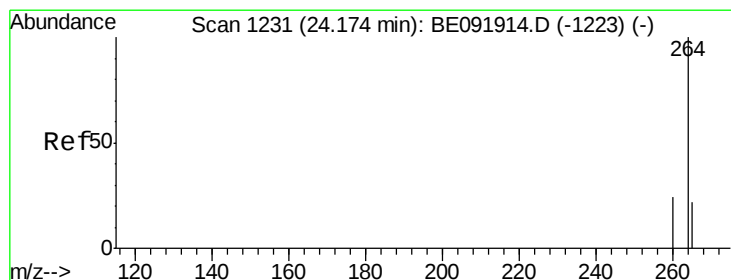
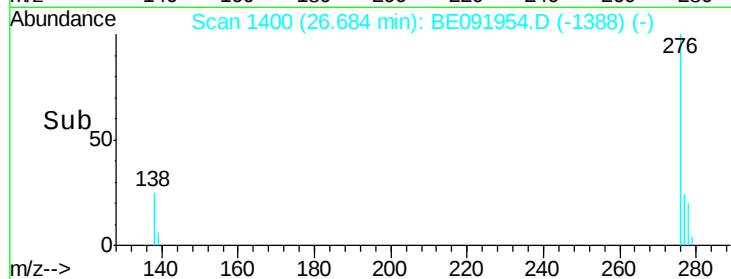
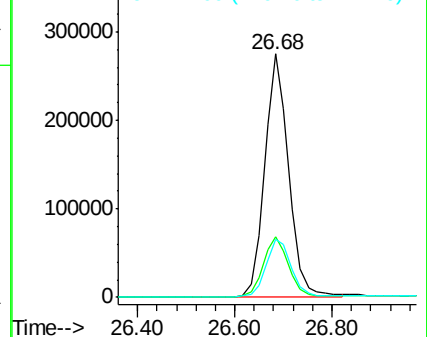
277 24.8 20.1 30.1



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: 24.17 min Scan# 1231

Delta R.T. -0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

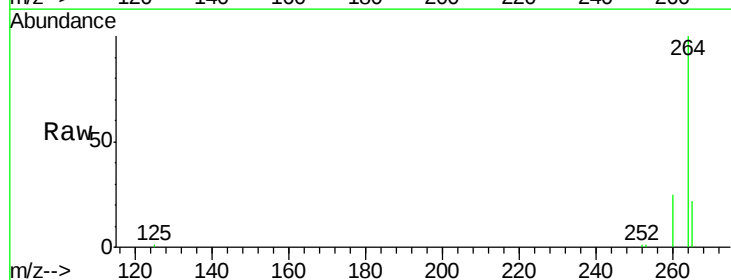
Tgt Ion: 264 Resp: 208566

Ion Ratio Lower Upper

264 100

260 25.1 20.3 30.5

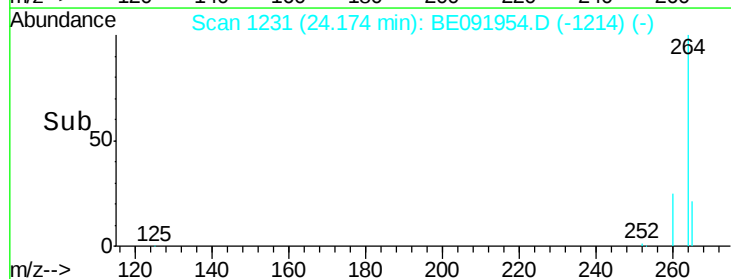
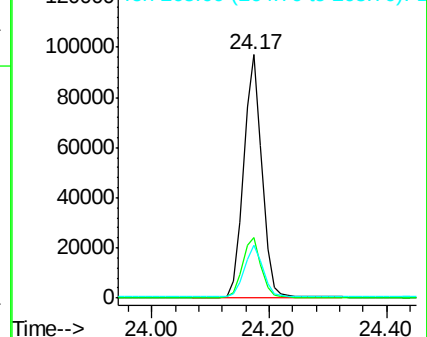
265 21.9 17.6 26.4

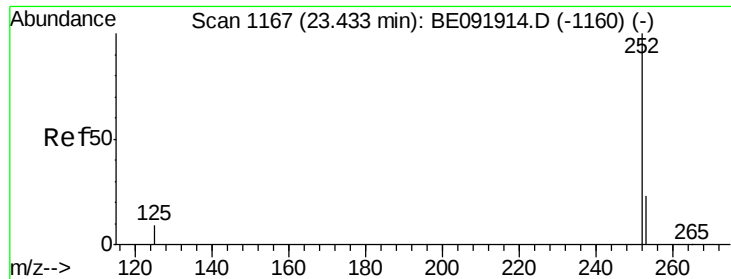


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 4.27 ng

RT: 23.43 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

Instrument :

BNA_E

ClientSampleId :

PB91612BSD

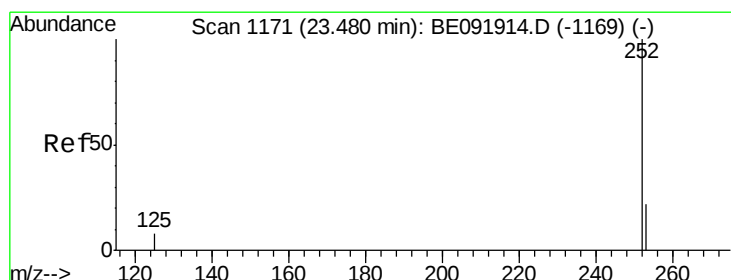
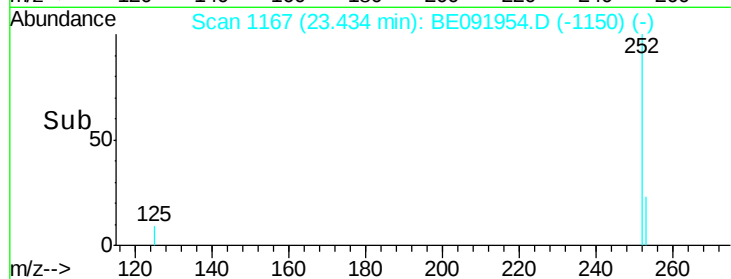
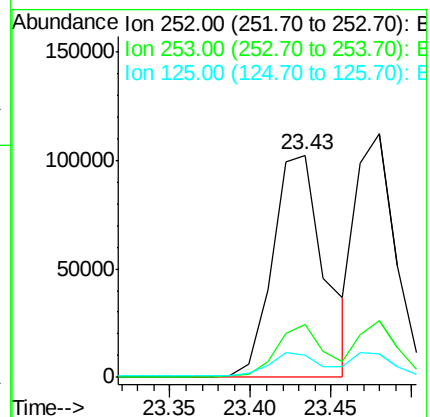
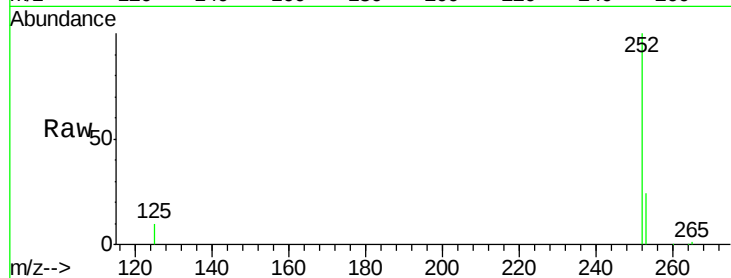
Tgt Ion:252 Resp: 228595

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.6

125 10.0 9.4 14.2



#42

Benzo(k)fluoranthene

Concen: 3.98 ng

RT: 23.48 min Scan# 1171

Delta R.T. -0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

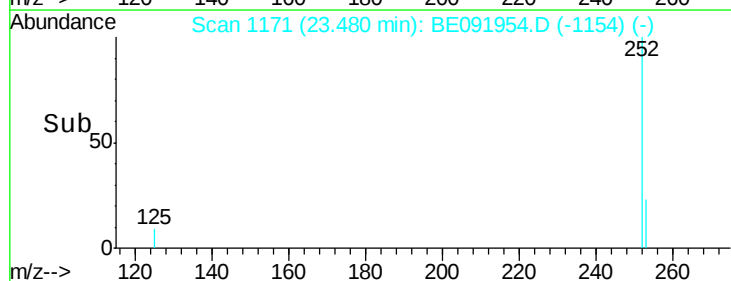
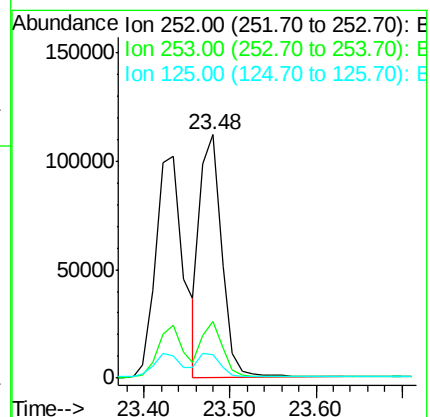
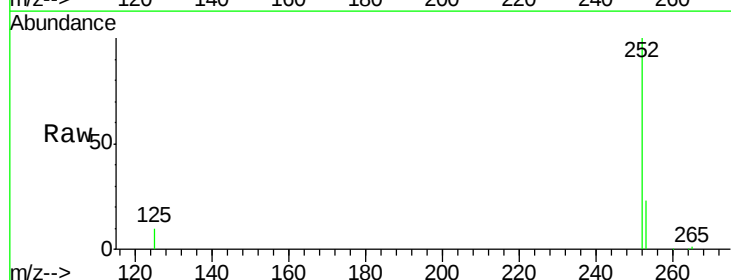
Tgt Ion:252 Resp: 194831

Ion Ratio Lower Upper

252 100

253 23.1 19.4 29.2

125 9.8 8.3 12.5





#43

Benzo(a)pyrene

Concen: 4.44 ng

RT: 24.06 min Scan# 1221

Delta R.T. -0.00 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

Instrument :

BNA_E

ClientSampleId :

PB91612BSD

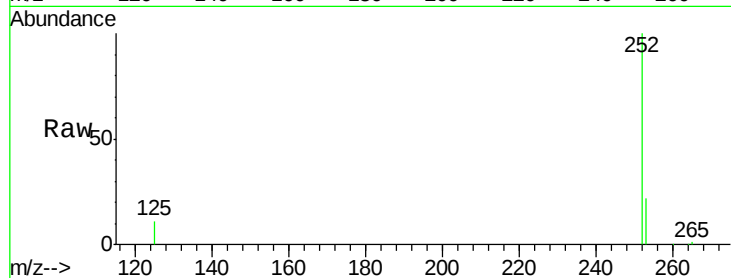
Tgt Ion: 252 Resp: 207549

Ion Ratio Lower Upper

252 100

253 22.5 18.9 28.3

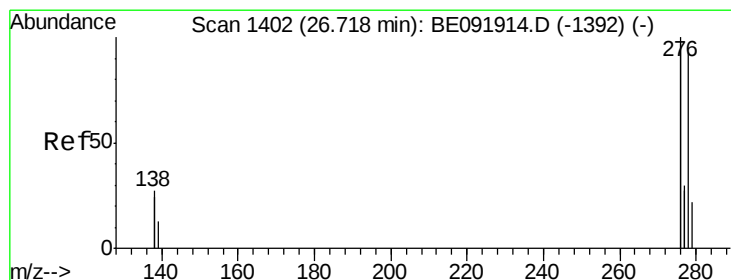
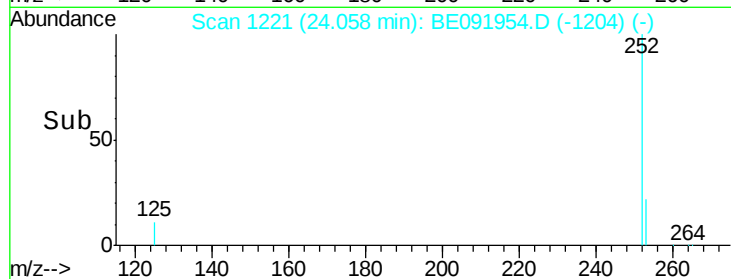
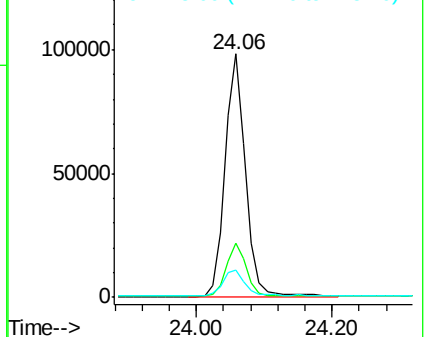
125 11.4 10.5 15.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#44

Dibenzo(a,h)anthracene

Concen: 4.24 ng

RT: 26.70 min Scan# 1401

Delta R.T. -0.02 min

Lab File: BE091954.D

Acq: 24 Jun 2016 19:53

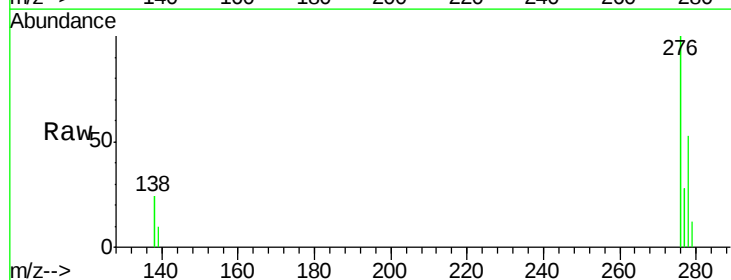
Tgt Ion: 278 Resp: 193259

Ion Ratio Lower Upper

278 100

139 19.3 12.6 18.8#

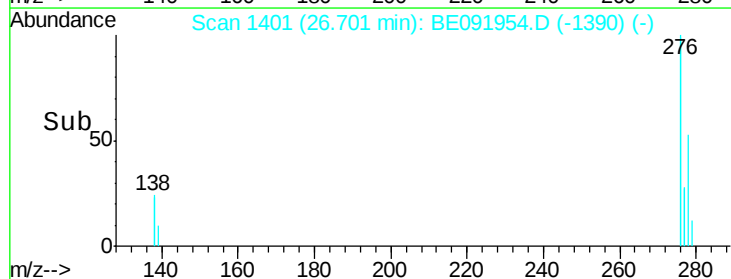
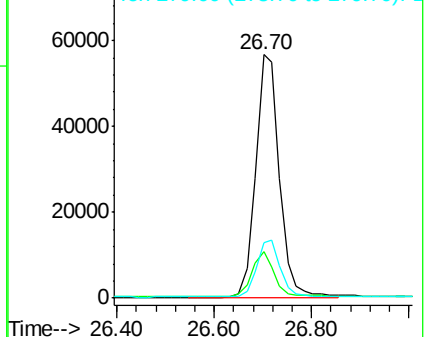
279 22.8 20.0 30.0

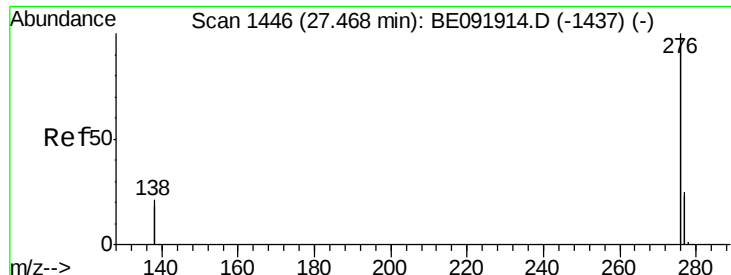


Abundance Ion 278.00 (277.70 to 278.70): E

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: 4.24 ng

RT: 27.47 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BE091954.D

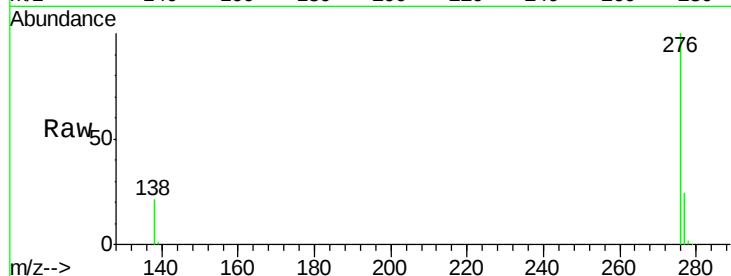
Acq: 24 Jun 2016 19:53

Instrument :

BNA_E

ClientSampleId :

PB91612BSD



Tgt Ion: 276 Resp: 796310

Ion Ratio Lower Upper

276 100

277 24.1 19.5 29.3

138 21.0 17.7 26.5

