

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060816\
 Data File : BE091903.D
 Acq On : 8 Jun 2016 16:19
 Operator : UM/SJ
 Sample : PB91035BSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91035BSD

Quant Time: Jun 09 04:51:19 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 08 16:11:34 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	24296	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	102547	5.00	ng	0.00
15) Acenaphthene-d10	14.38	164	50643	5.00	ng	0.00
24) Phenanthrene-d10	17.13	188	141529	5.00	ng	0.00
31) Chrysene-d12	21.30	240	125026	5.00	ng	0.00
40) Perylene-d12	23.73	264	156477	5.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.38	112	35086	6.77	ng	0.00
5) Phenol-d6	6.94	99	45583	7.11	ng	-0.02
9) Nitrobenzene-d5	8.91	82	26971	3.50	ng	-0.03
16) 2,4,6-Tribromophenol	15.87	330	10503	7.28	ng	-0.02
17) 2-Fluorobiphenyl	13.01	172	56348	3.67	ng	0.00
34) Terphenyl-d14	19.74	244	72984	4.71	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	8937	2.77	ng	# 70
3) n-Nitrosodimethylamine	3.61	42	12830	3.16	ng	# 97
6) bis(2-Chloroethyl)ether	7.20	93	22231	3.20	ng	# 97
7) n-Nitroso-di-n-propylamine	8.54	70	15688	2.86	ng	# 90
10) Nitrobenzene	8.96	77	23537	3.35	ng	# 100
11) bis(2-Chloroethoxy)methane	9.95	93	33050	3.18	ng	# 40
12) Naphthalene	10.59	128	70667	3.19	ng	# 97
13) Hexachlorobutadiene	10.88	225	10895	3.31	ng	# 99
14) 2-Methylnaphthalene	12.20	142	46779	3.28	ng	# 95
18) Acenaphthylene	14.10	152	76046	3.32	ng	# 91
19) 2,6-Dinitrotoluene	13.96	165	10465	3.09	ng	# 98
20) Acenaphthene	14.44	154	47528	3.39	ng	# 97
21) 2,4-Dinitrotoluene	14.76	165	11552	3.00	ng	# 1
22) Fluorene	15.42	166	55672	3.25	ng	# 99
23) 4-Chlorophenyl-phenylether	15.42	204	27019	3.22	ng	# 96
25) 4-Bromophenyl-phenylether	16.31	248	15372	3.02	ng	# 98
26) Hexachlorobenzene	16.44	284	16165	3.11	ng	# 100
27) Pentachlorophenol	16.78	266	14569	5.76	ng	# 91
28) Phenanthrene	17.17	178	94439	2.88	ng	# 99
29) Anthracene	17.25	178	86605	2.97	ng	# 99
30) Fluoranthene	19.19	202	95871	2.71	ng	# 100
32) Benzidine	19.38	184	6942	0.78	ng	# 93
33) Pyrene	19.53	202	102253	3.24	ng	# 99
35) Benzo(a)anthracene	21.27	228	557841m	3.76	ng	# 99
36) 3,3'-Dichlorobenzidine	21.21	252	22493	2.28	ng	# 80
37) Chrysene	21.33	228	389260m	3.05	ng	# 99
38) Bis(2-ethylhexyl)phthalate	21.18	149	62552	2.77	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.29	276	159309	Below Cal		# 75
41) Benzo(b)fluoranthene	22.98	252	128726	3.37	ng	# 98
42) Benzo(k)fluoranthene	23.03	252	134924	3.40	ng	# 96
43) Benzo(a)pyrene	23.62	252	127488	3.56	ng	# 94
44) Dibenzo(a,h)anthracene	26.31	278	134769	4.03	ng	# 94
45) Benzo(a,h,i)perylene	27.07	276	139695	3.99	ng	# 93

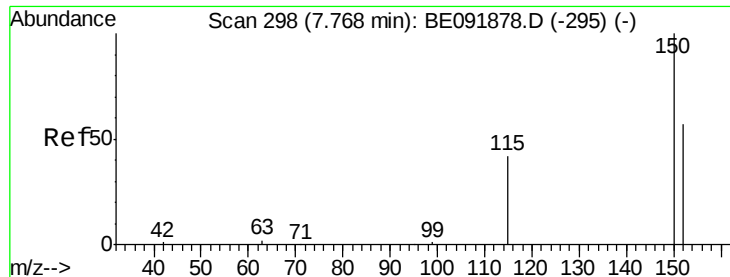
Data Path : Z:\HPCHEM1\BNA E\DATA\BE060816\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

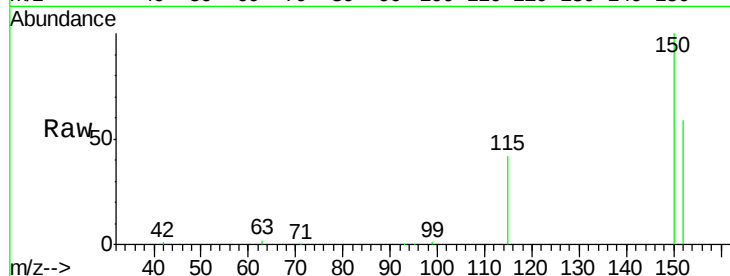


#1

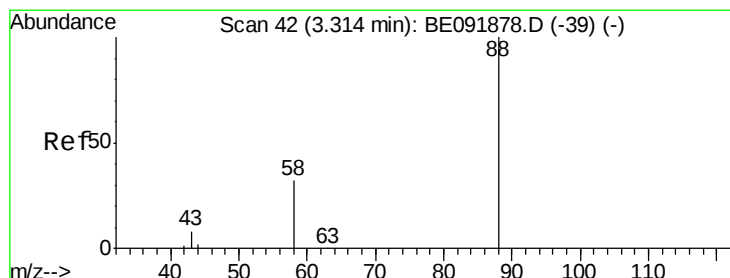
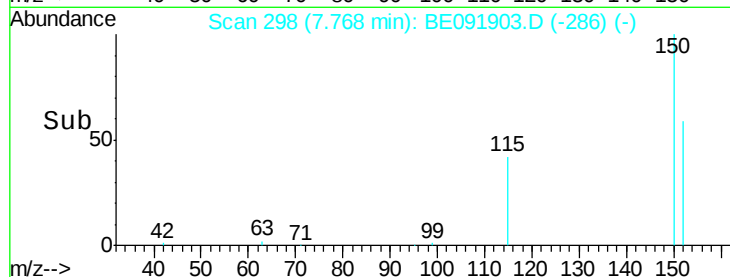
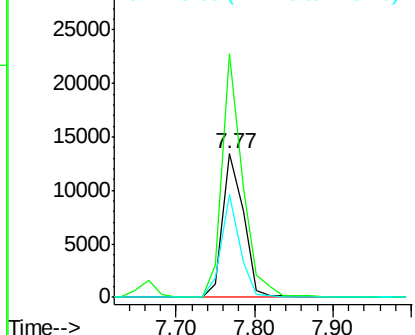
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.77 min Scan# 298
Delta R.T. -0.00 min
Lab File: BE091903.D
Acq: 8 Jun 2016 16:19

Instrument :
BNA_E
ClientSampleId :
PB91035BSD

Tot Ion:152 Resp: 24296
Ion Ratio Lower Upper
152 100
150 170.1 123.9 185.9
115 71.4 48.3 72.5



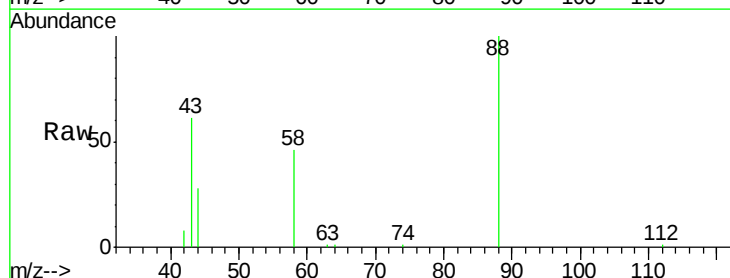
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



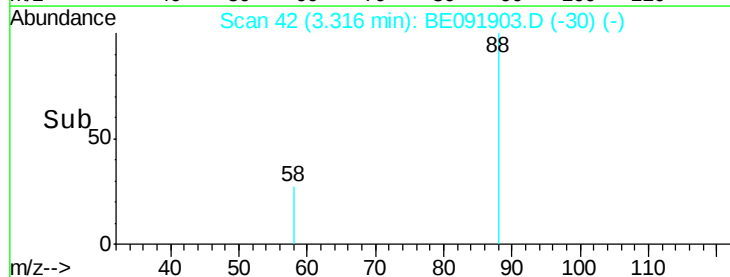
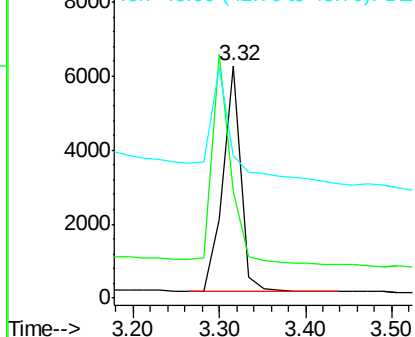
#2

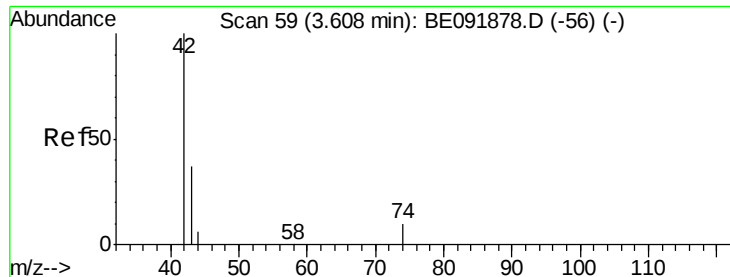
1,4-Dioxane
Concen: 2.77 ng
RT: 3.32 min Scan# 42
Delta R.T. 0.00 min
Lab File: BE091903.D
Acq: 8 Jun 2016 16:19

Tgt Ion: 88 Resp: 8937
Ion Ratio Lower Upper
88 100
58 96.6 63.0 94.4#
43 65.4 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: 3.16 ng

RT: 3.61 min Scan# 59

Delta R.T. 0.00 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

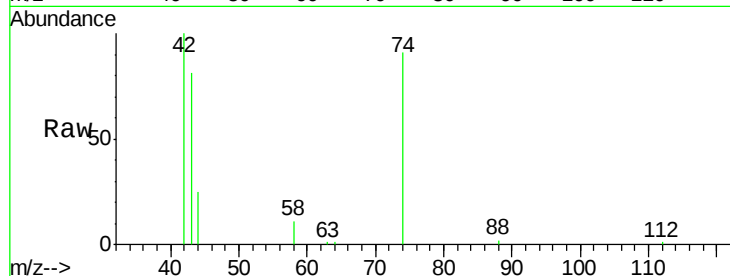
Tot Ion: 42 Resp: 12830

Ion Ratio Lower Upper

42 100

74 113.9 93.4 140.0

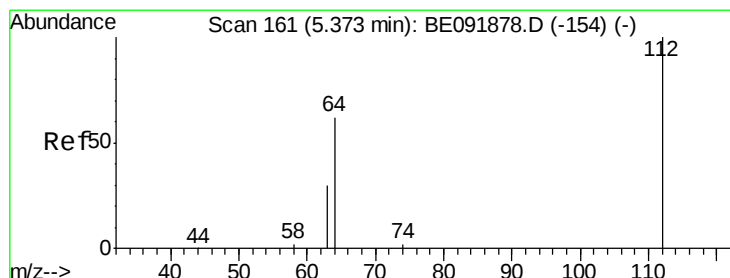
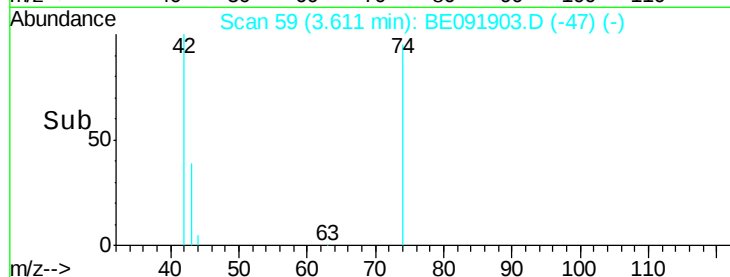
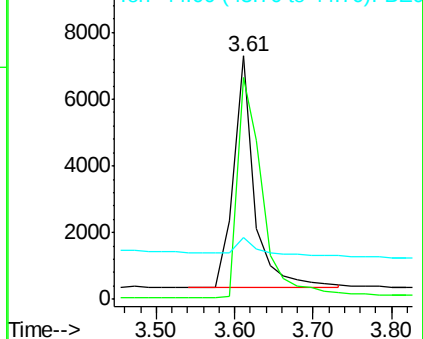
44 9.5 5.0 7.6#



Abundance Ion 42.00 (41.70 to 42.70): BE091878.D (-56) (-)

Ion 74.00 (73.70 to 74.70): BE091878.D (-56) (-)

Ion 44.00 (43.70 to 44.70): BE091878.D (-56) (-)



#4

2-Fluorophenol

Concen: 6.77 ng

RT: 5.38 min Scan# 161

Delta R.T. 0.00 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

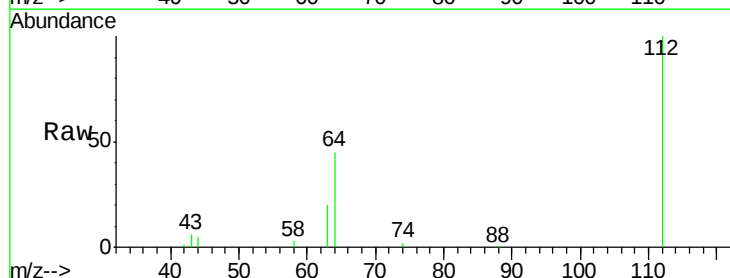
Tgt Ion: 112 Resp: 35086

Ion Ratio Lower Upper

112 100

64 66.7 53.7 80.5

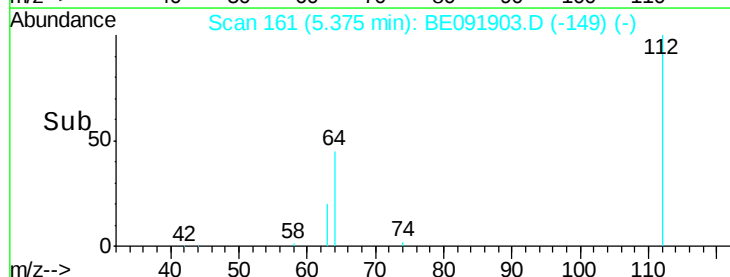
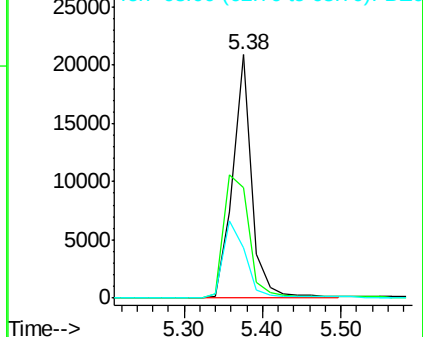
63 36.0 29.5 44.3

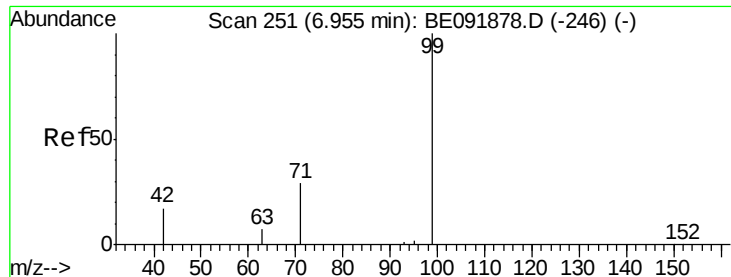


Abundance Ion 112.00 (111.70 to 112.70): BE091878.D (-154) (-)

Ion 64.00 (63.70 to 64.70): BE091878.D (-154) (-)

Ion 63.00 (62.70 to 63.70): BE091878.D (-154) (-)





#5

Phenol-d6

Concen: 7.11 ng

RT: 6.94 min Scan# 250

Delta R.T. -0.02 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

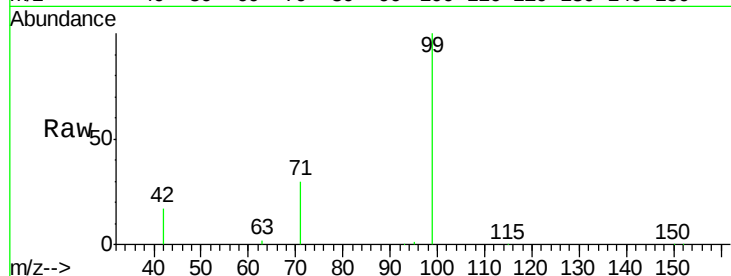
Tot Ion: 99 Resp: 45583

Ion Ratio Lower Upper

99 100

42 24.7 19.6 29.4

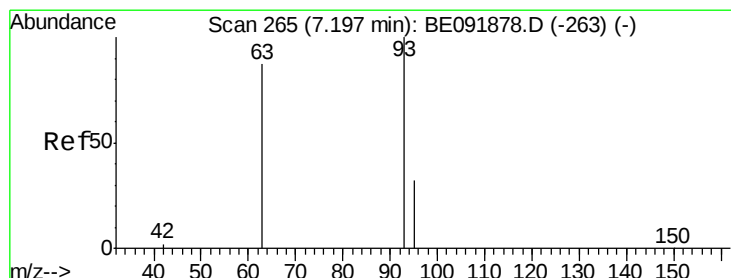
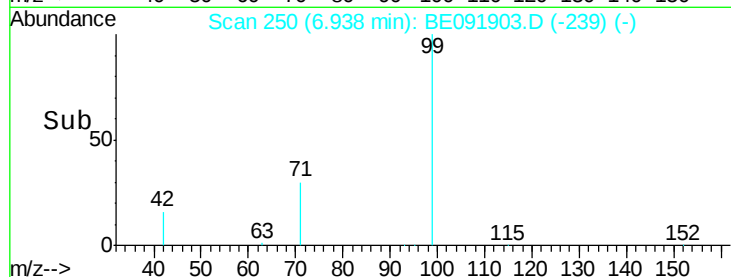
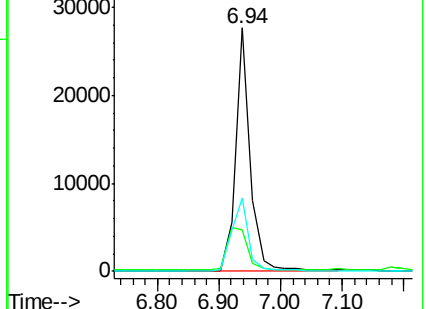
71 34.7 28.1 42.1



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 3.20 ng

RT: 7.20 min Scan# 265

Delta R.T. -0.00 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

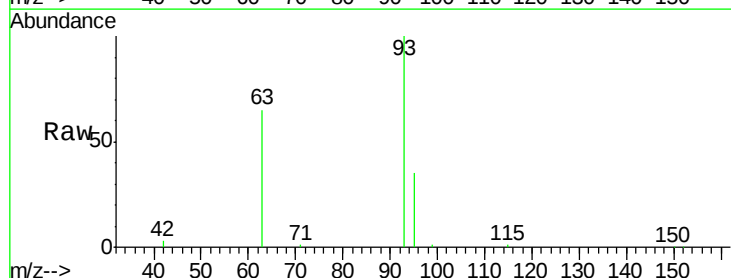
Tgt Ion: 93 Resp: 22231

Ion Ratio Lower Upper

93 100

63 85.5 66.2 99.4

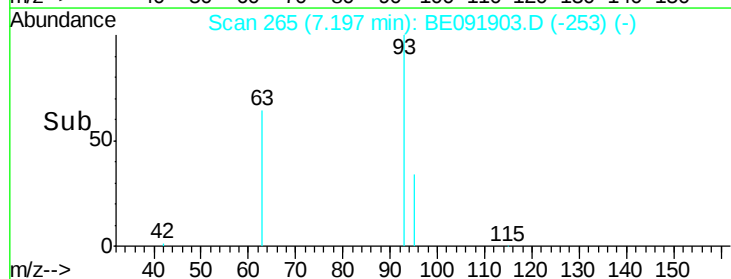
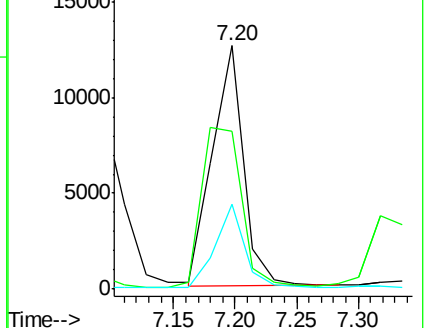
95 32.9 25.5 38.3

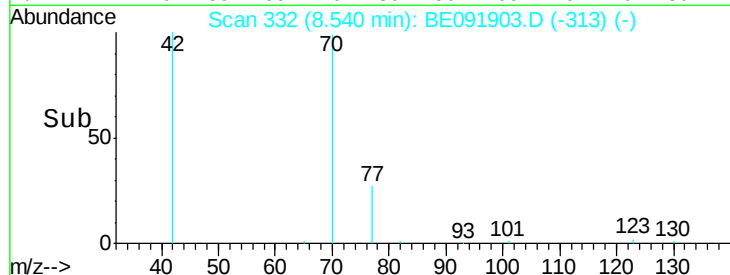
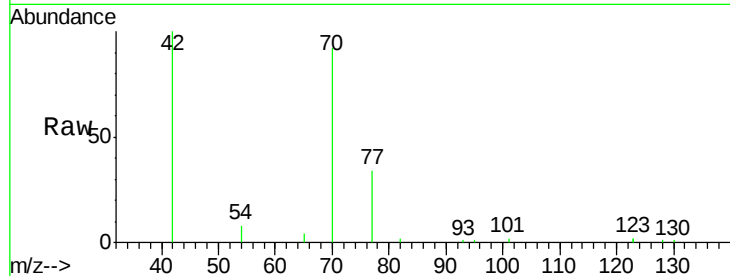
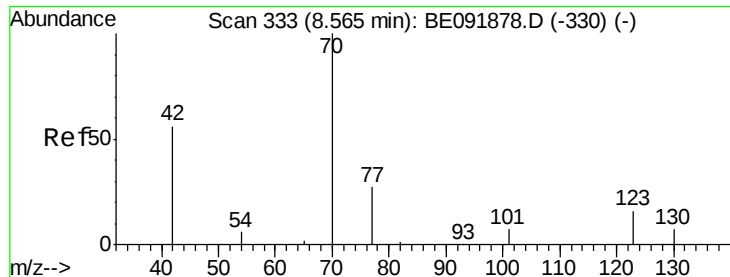


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 2.86 ng

RT: 8.54 min Scan# 332

Delta R.T. -0.03 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

Tot Ion: 70 Resp: 15688

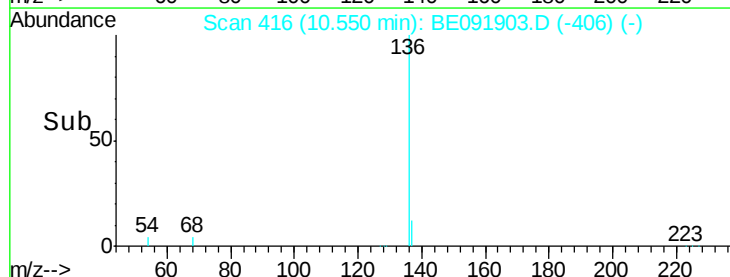
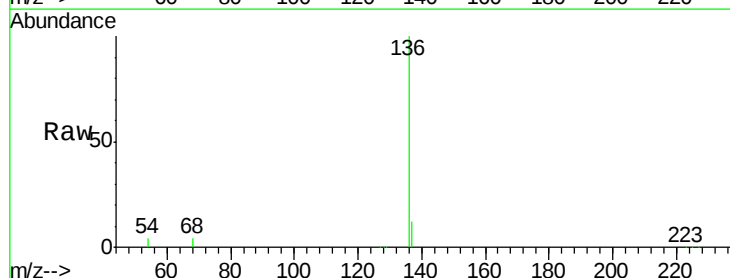
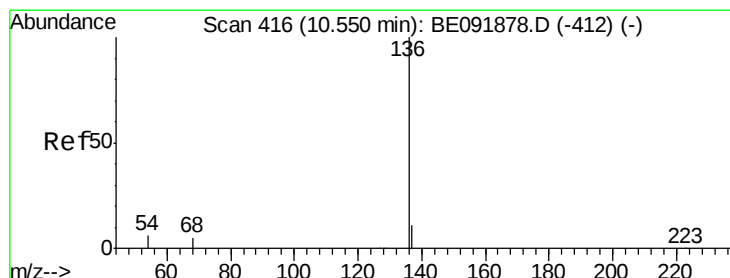
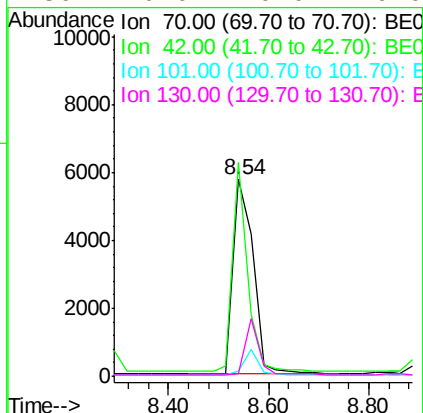
Ion Ratio Lower Upper

70 100

42 80.0 58.4 87.6

101 0.0 6.4 9.6#

130 0.0 0.0 0.0



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 416

Delta R.T. -0.00 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

Tgt Ion: 136 Resp: 102547

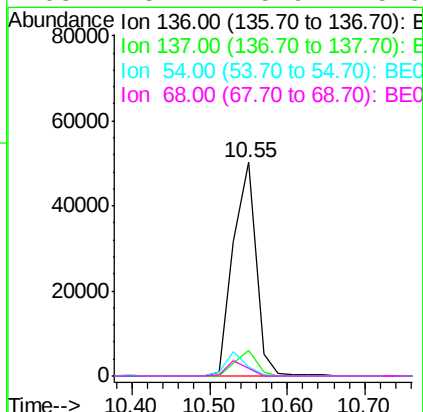
Ion Ratio Lower Upper

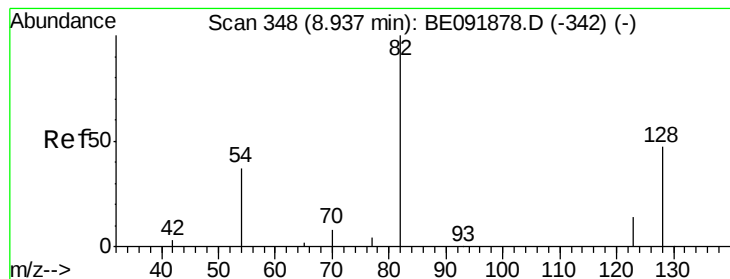
136 100

137 11.9 8.3 12.5

54 4.4 8.2 12.4#

68 3.7 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 3.50 ng

RT: 8.91 min Scan# 347

Delta R.T. -0.03 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

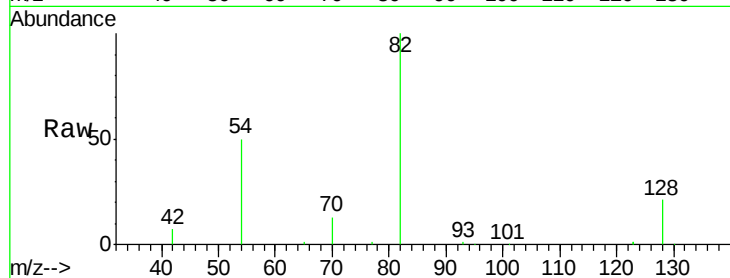
Tot Ion: 82 Resp: 26971

Ion Ratio Lower Upper

82 100

128 21.1 39.5 59.3#

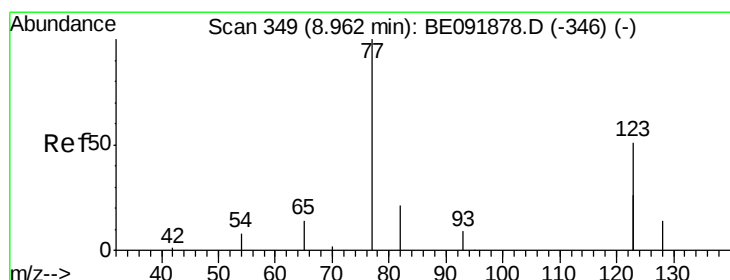
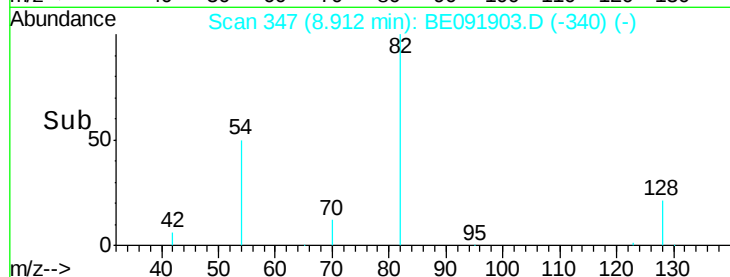
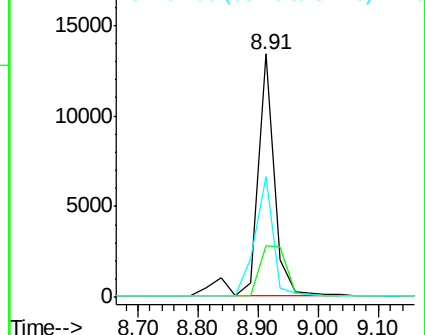
54 49.8 30.3 45.5#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 3.35 ng

RT: 8.96 min Scan# 349

Delta R.T. -0.00 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

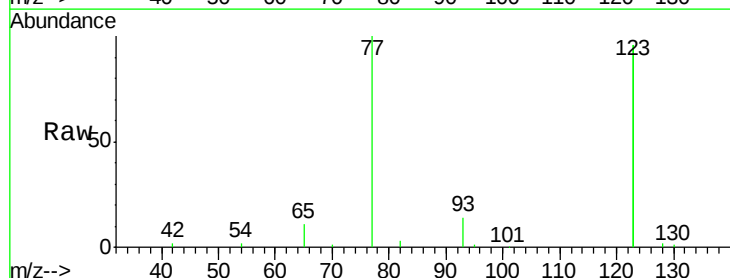
Tgt Ion: 77 Resp: 23537

Ion Ratio Lower Upper

77 100

123 163.4 0.0 0.0#

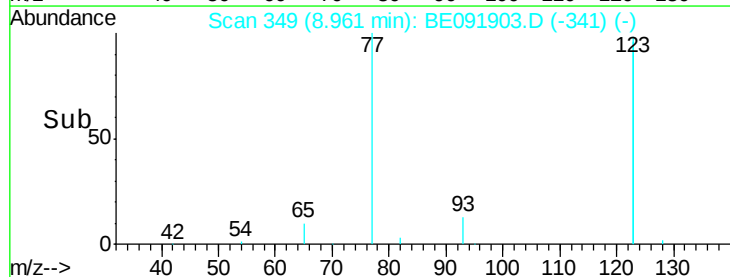
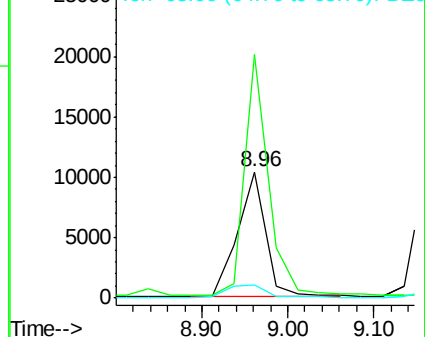
65 13.7 11.1 16.7

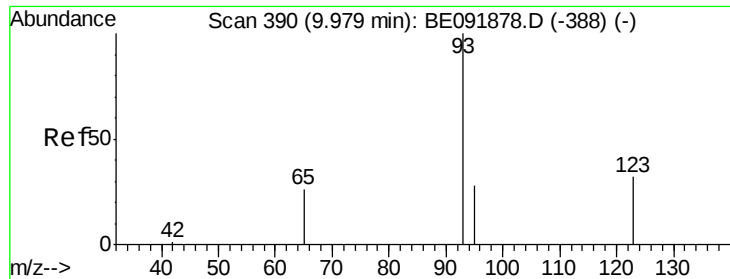


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

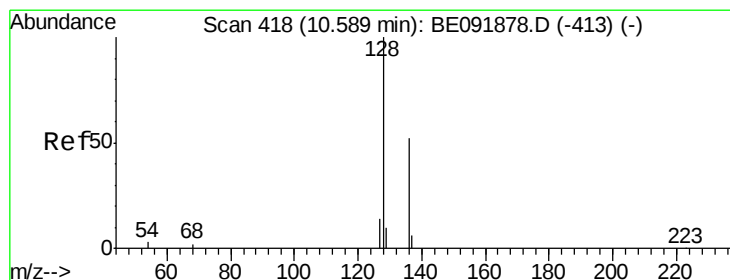
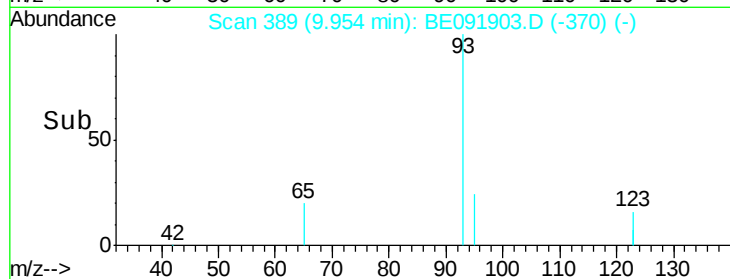
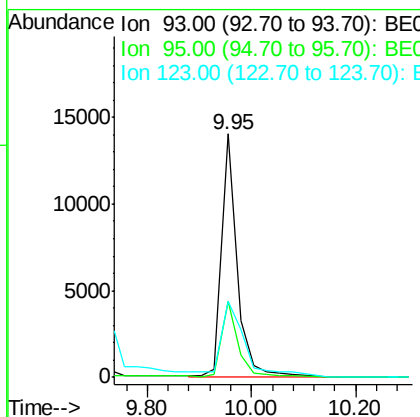
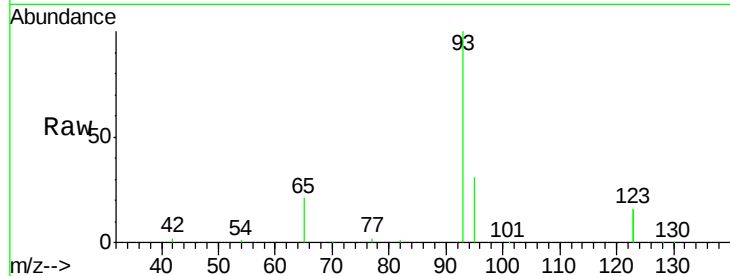




#11
bis(2-Chloroethoxy)methane
Concen: 3.18 ng
RT: 9.95 min Scan# 389
Delta R.T. -0.03 min
Lab File: BE091903.D
Acq: 8 Jun 2016 16:19

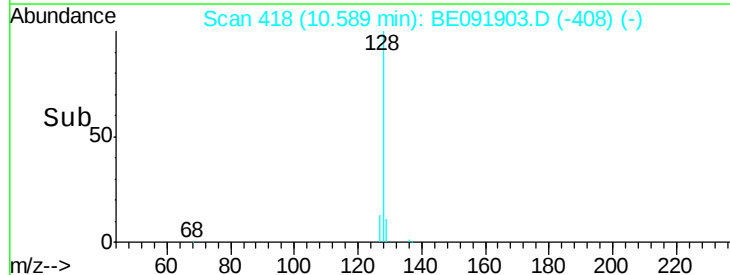
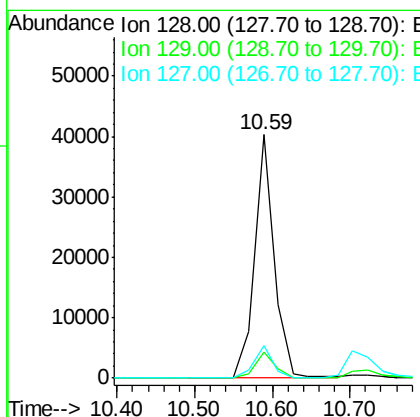
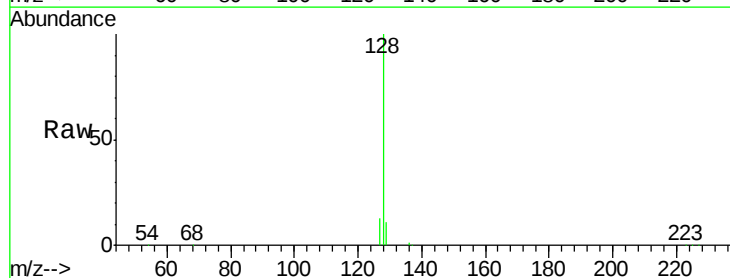
Instrument :
BNA_E
ClientSampleId :
PB91035BSD

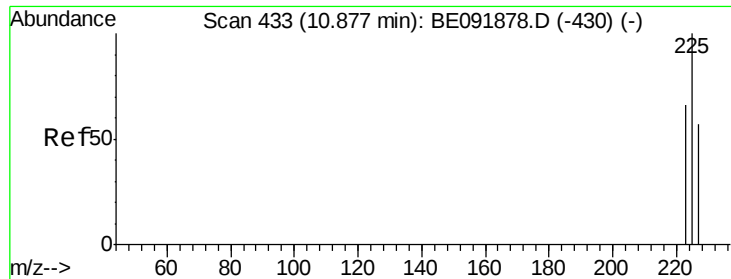
Tot Ion: 93 Resp: 33050
Ion Ratio Lower Upper
93 100
95 33.6 57.6 86.4#
123 47.4 100.2 150.4#



#12
Naphthalene
Concen: 3.19 ng
RT: 10.59 min Scan# 418
Delta R.T. -0.00 min
Lab File: BE091903.D
Acq: 8 Jun 2016 16:19

Tgt Ion: 128 Resp: 70667
Ion Ratio Lower Upper
128 100
129 10.9 10.4 15.6
127 13.1 10.2 15.2

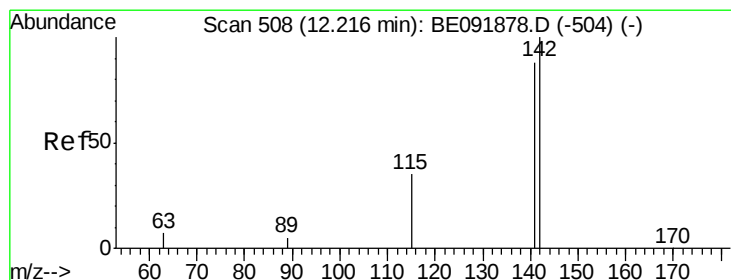
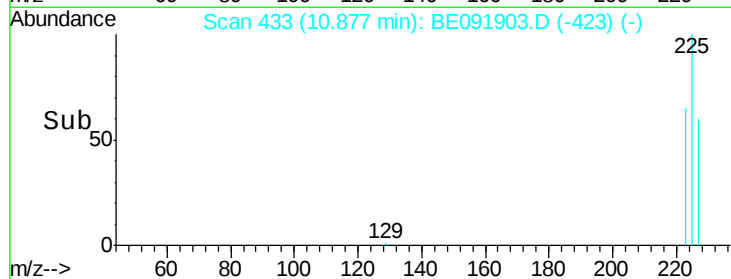
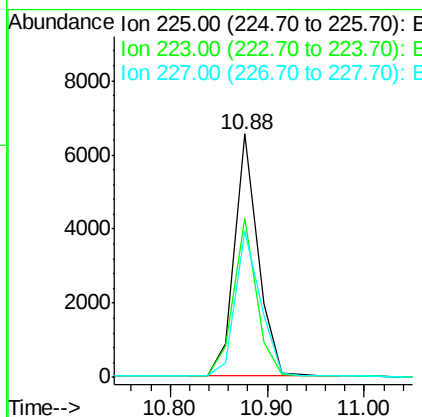
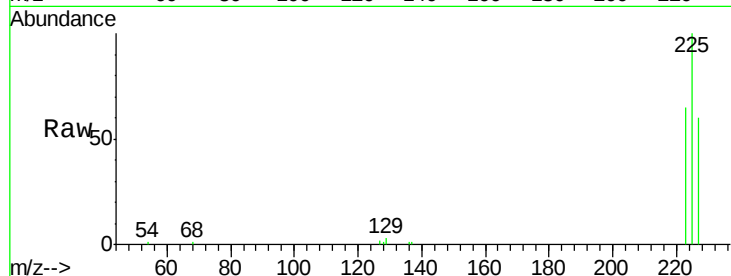




#13
Hexachlorobutadiene
Concen: 3.31 ng
RT: 10.88 min Scan# 433
Delta R.T. -0.00 min
Lab File: BE091903.D
Acq: 8 Jun 2016 16:19

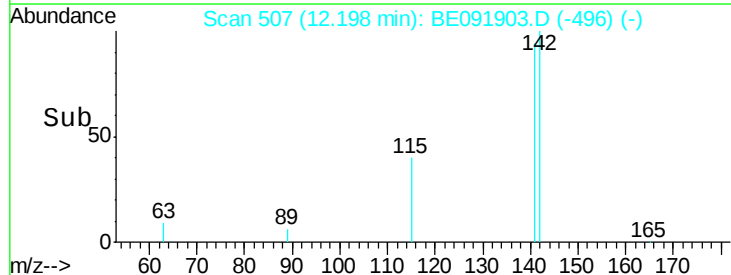
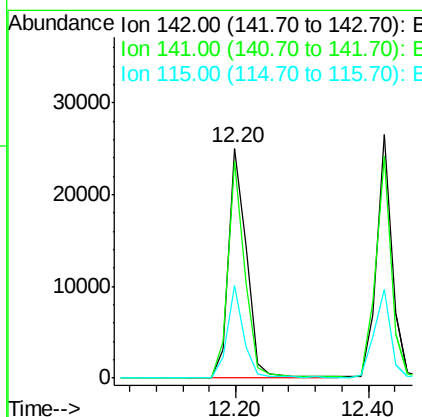
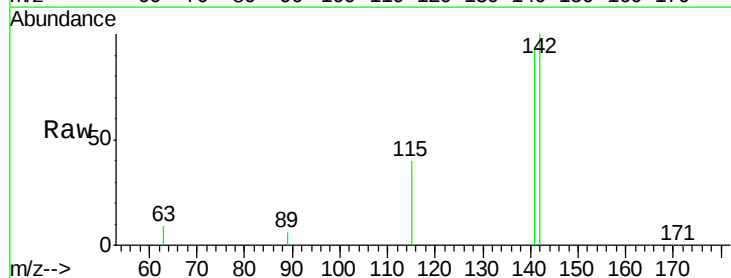
Instrument :
BNA_E
ClientSampleId :
PB91035BSD

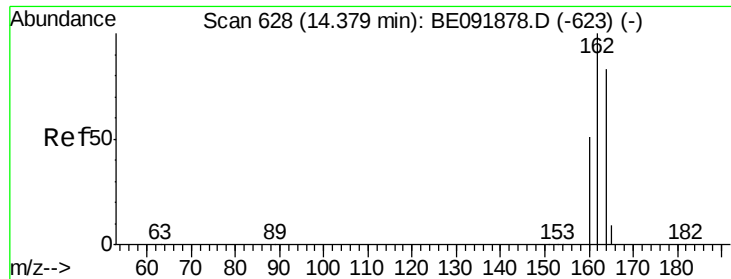
Tot Ion:225 Resp: 10895
Ion Ratio Lower Upper
225 100
223 63.6 49.8 74.8
227 63.4 50.6 75.8



#14
2-Methylnaphthalene
Concen: 3.28 ng
RT: 12.20 min Scan# 507
Delta R.T. -0.02 min
Lab File: BE091903.D
Acq: 8 Jun 2016 16:19

Tgt Ion:142 Resp: 46779
Ion Ratio Lower Upper
142 100
141 94.3 71.9 107.9
115 40.4 29.9 44.9





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.38 min Scan# 628

Delta R.T. -0.00 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

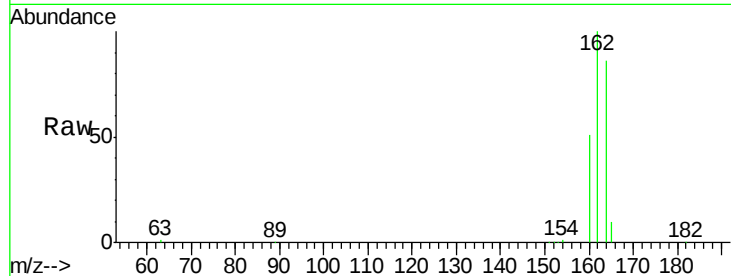
Tot Ion:164 Resp: 50643

Ion Ratio Lower Upper

164 100

162 116.6 71.8 107.8#

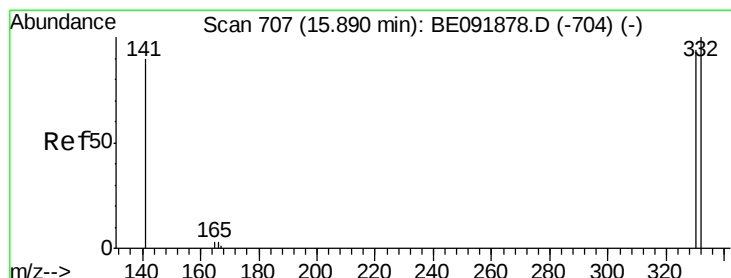
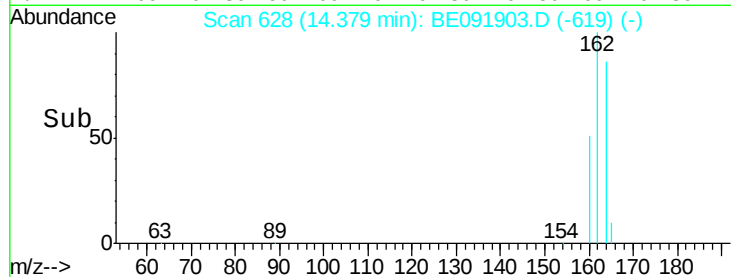
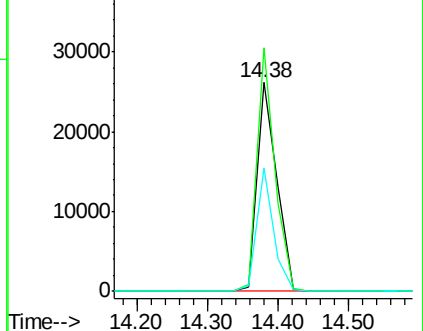
160 59.2 28.0 42.0#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#16

2,4,6-Tribromophenol

Concen: 7.28 ng

RT: 15.87 min Scan# 706

Delta R.T. -0.02 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

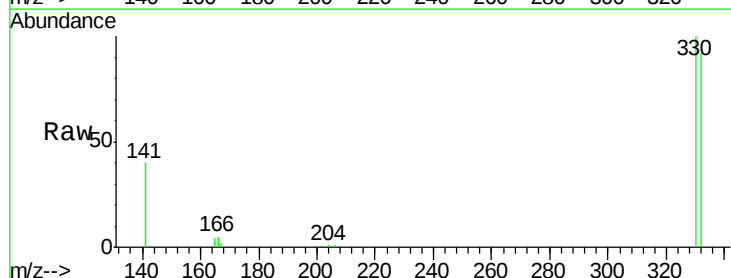
Tgt Ion:330 Resp: 10503

Ion Ratio Lower Upper

330 100

332 95.0 77.0 115.6

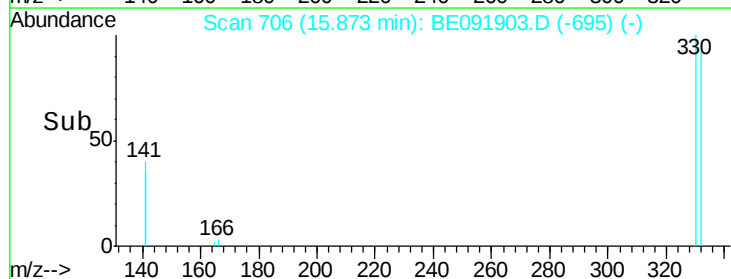
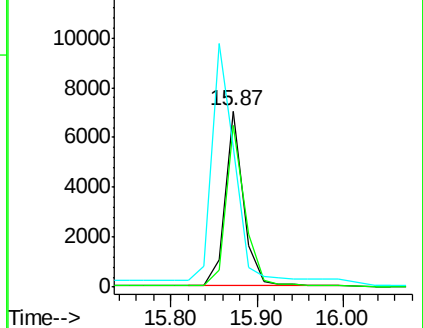
141 161.6 138.4 207.6

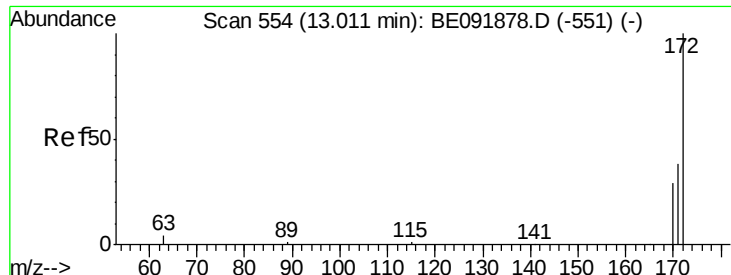


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

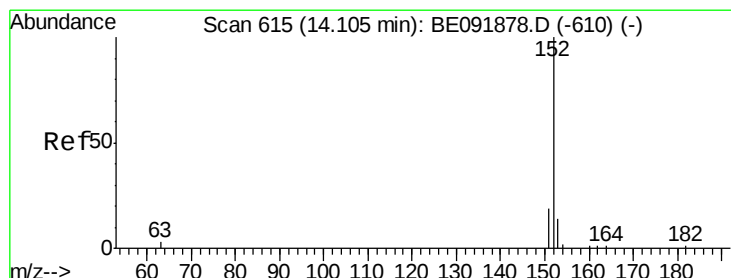
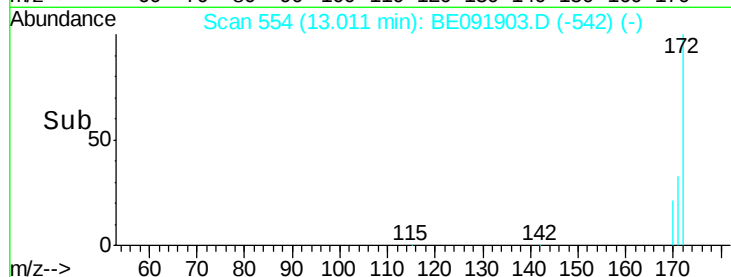
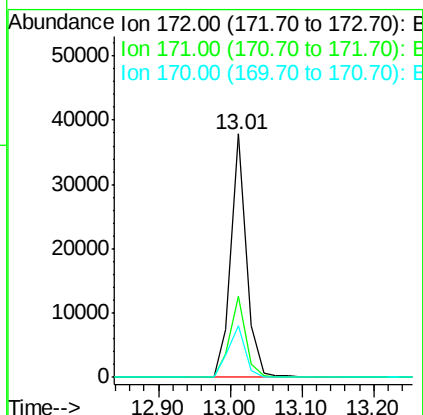
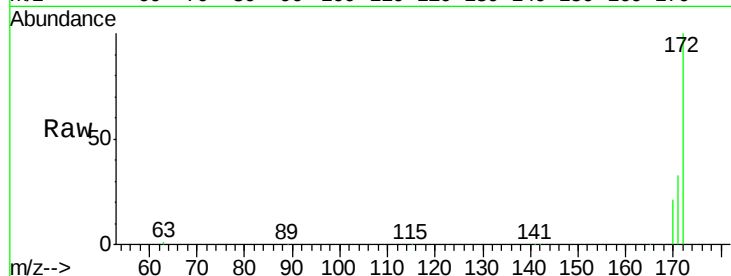




#17
2-Fluorobiphenyl
Concen: 3.67 ng
RT: 13.01 min Scan# 554
Delta R.T. 0.00 min
Lab File: BE091903.D
Acq: 8 Jun 2016 16:19

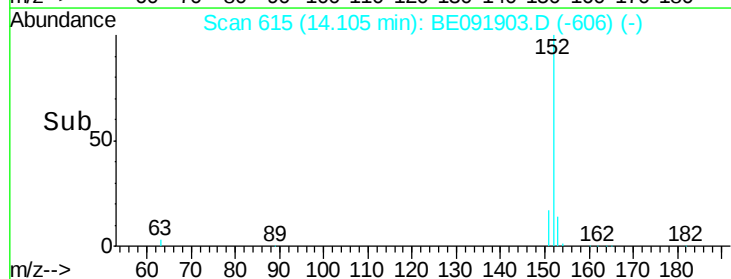
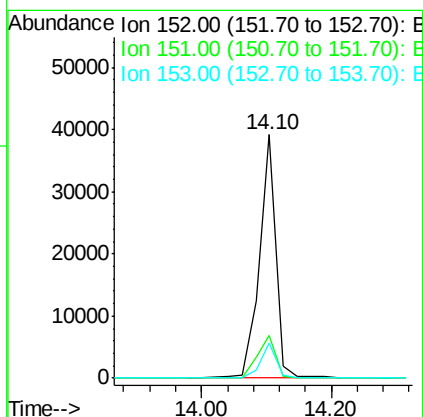
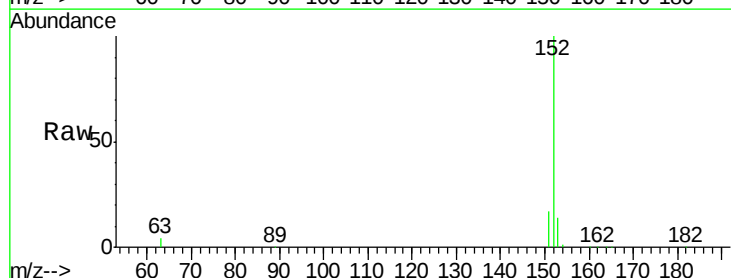
Instrument :
BNA_E
ClientSampleId :
PB91035BSD

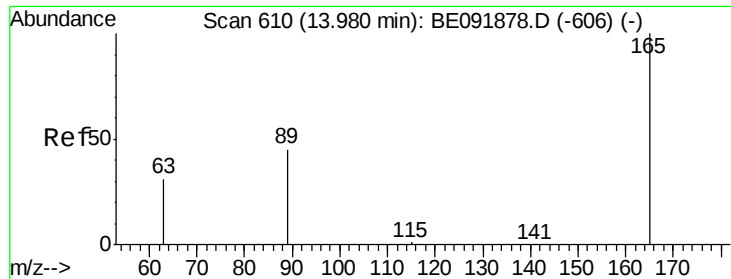
Tot Ion:172 Resp: 56348
Ion Ratio Lower Upper
172 100
171 33.3 24.3 36.5
170 21.3 14.9 22.3



#18
Acenaphthylene
Concen: 3.32 ng
RT: 14.10 min Scan# 615
Delta R.T. -0.00 min
Lab File: BE091903.D
Acq: 8 Jun 2016 16:19

Tgt Ion:152 Resp: 76046
Ion Ratio Lower Upper
152 100
151 19.8 19.4 29.2
153 14.1 14.4 21.6#

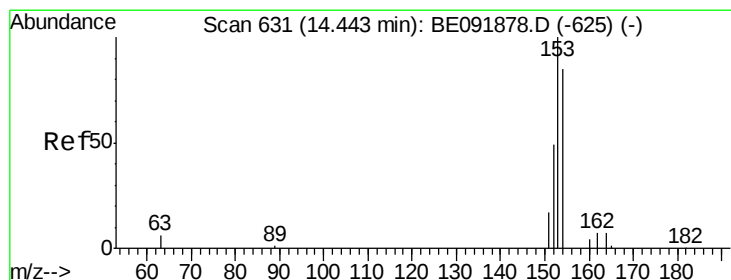
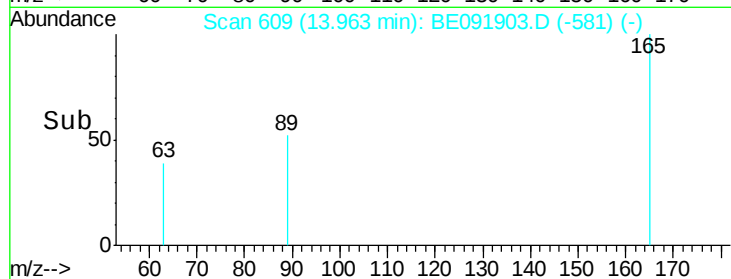
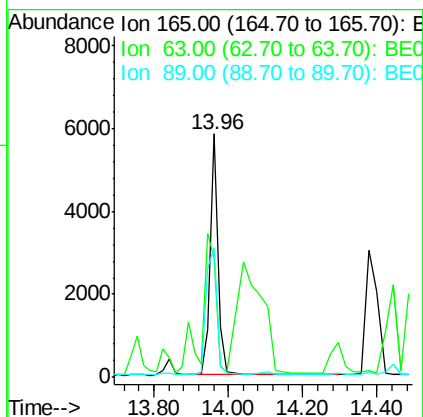
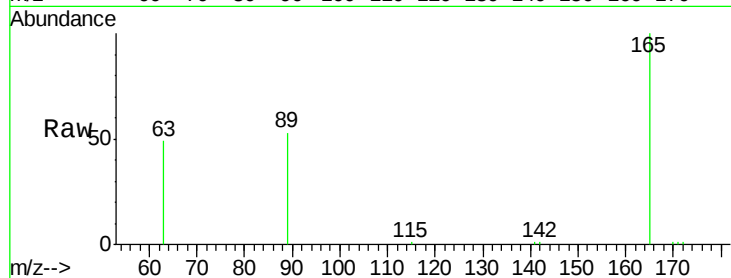




#19
2,6-Dinitrotoluene
Concen: 3.09 ng
RT: 13.96 min Scan# 609
Delta R.T. -0.02 min
Lab File: BE091903.D
Acq: 8 Jun 2016 16:19

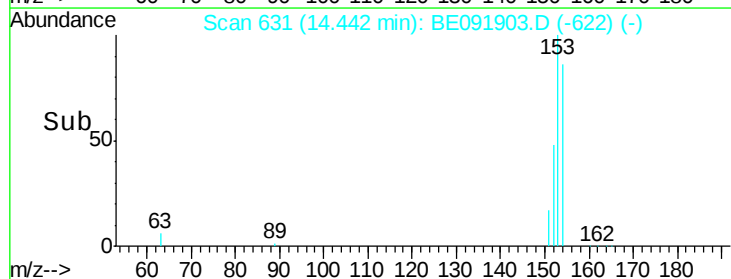
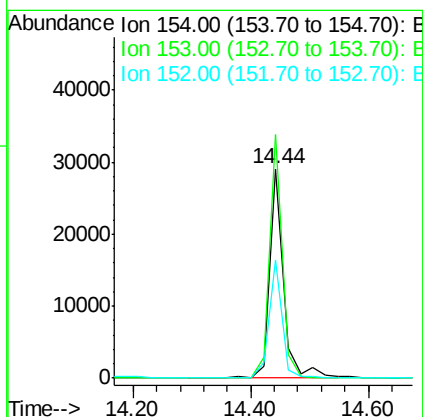
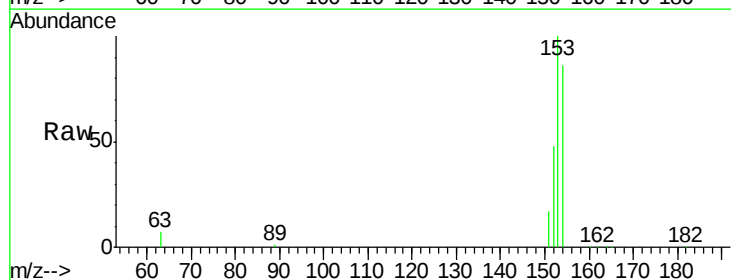
Instrument :
BNA_E
ClientSampleId :
PB91035BSD

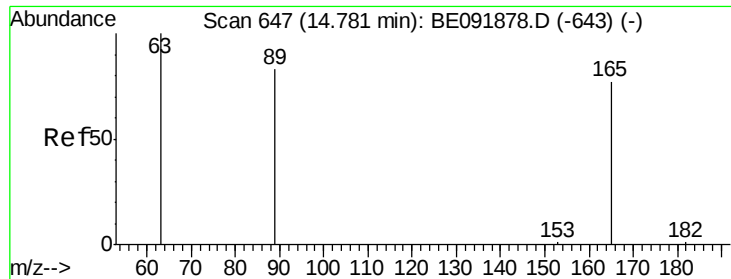
Tot Ion:165 Resp: 10465
Ion Ratio Lower Upper
165 100
63 83.5 65.9 98.9
89 71.4 59.1 88.7



#20
Acenaphthene
Concen: 3.39 ng
RT: 14.44 min Scan# 631
Delta R.T. -0.00 min
Lab File: BE091903.D
Acq: 8 Jun 2016 16:19

Tgt Ion:154 Resp: 47528
Ion Ratio Lower Upper
154 100
153 106.9 88.1 132.1
152 52.7 44.2 66.2





#21

2,4-Dinitrotoluene

Concen: 3.00 ng

RT: 14.76 min Scan# 646

Delta R.T. -0.02 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

Tot Ion:165 Resp: 11552

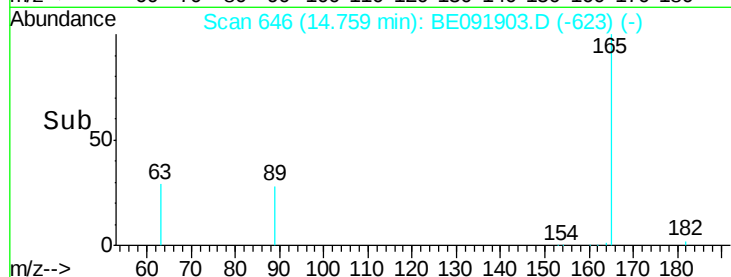
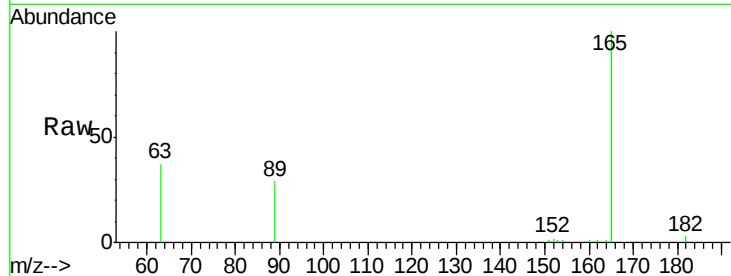
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 2.1 0.0 0.0#



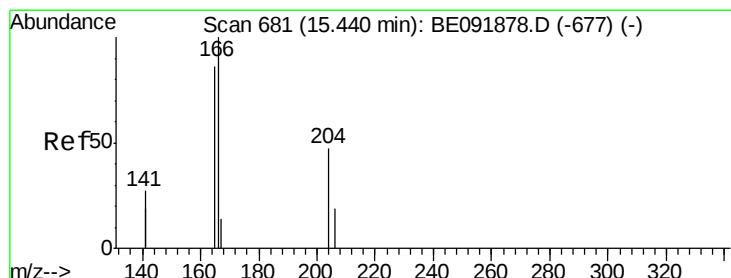
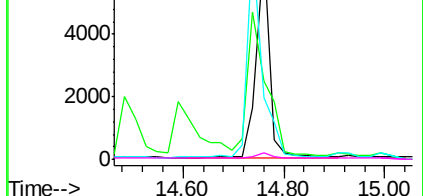
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E

Time-->



#22

Fluorene

Concen: 3.25 ng

RT: 15.42 min Scan# 680

Delta R.T. -0.02 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

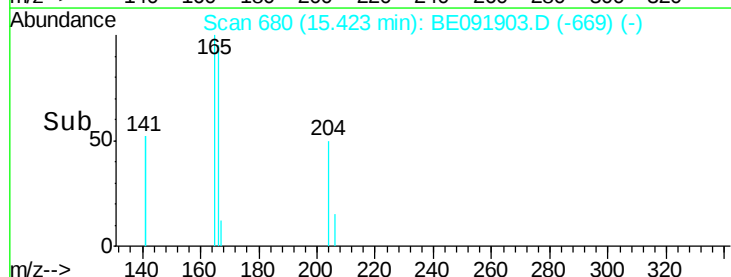
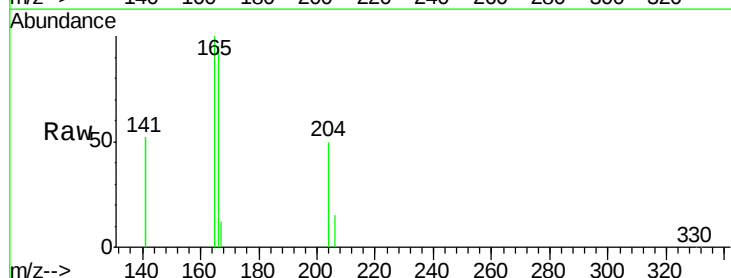
Tgt Ion:166 Resp: 55672

Ion Ratio Lower Upper

166 100

165 99.2 78.6 117.8

167 13.5 10.8 16.2

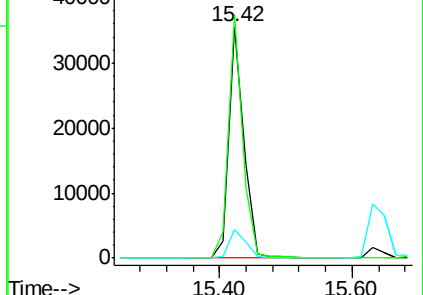


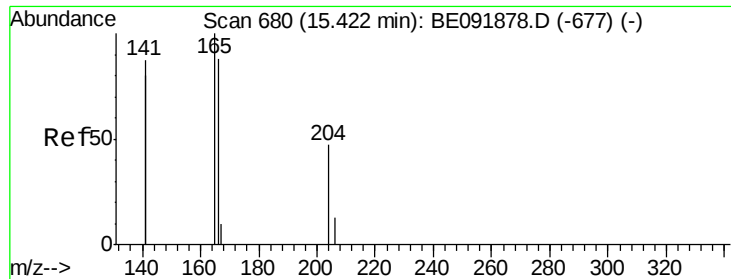
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->

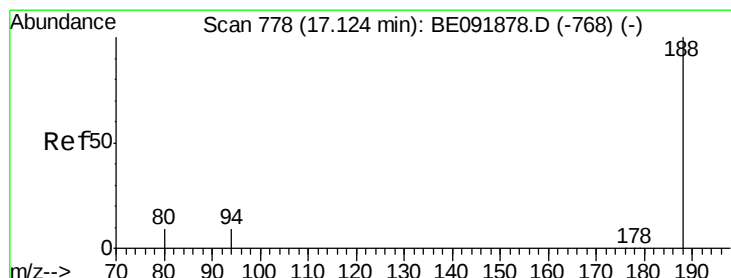
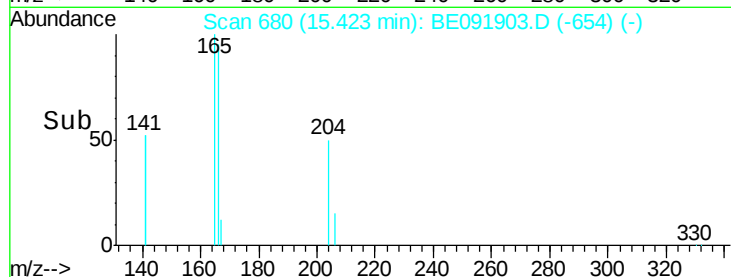
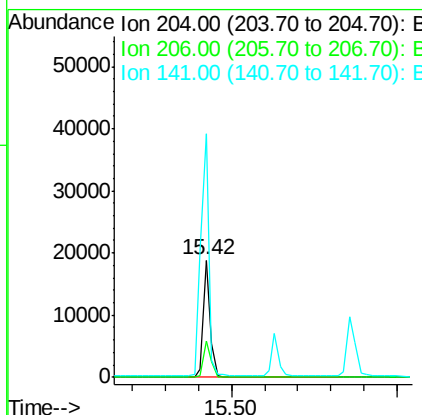
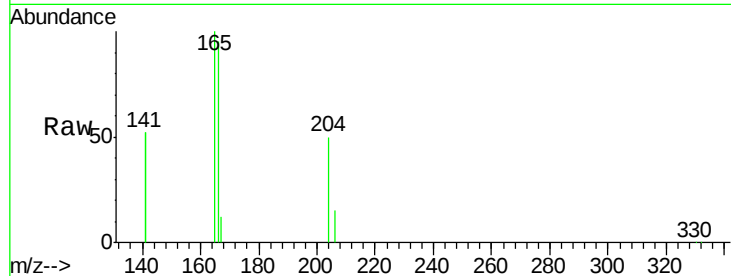




#23
4-Chlorophenyl-phenylether
Concen: 3.22 ng
RT: 15.42 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE091903.D
Acq: 8 Jun 2016 16:19

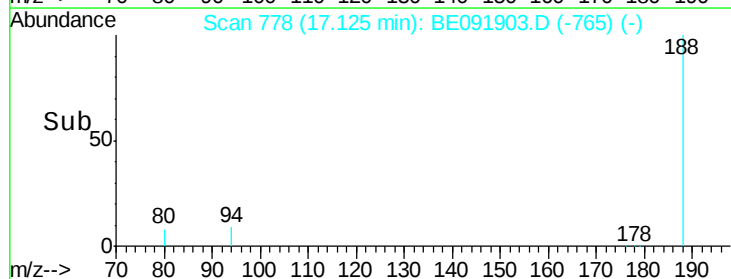
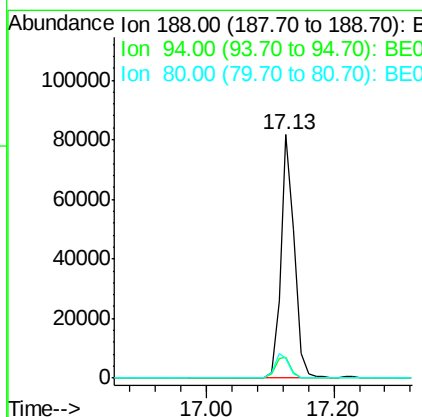
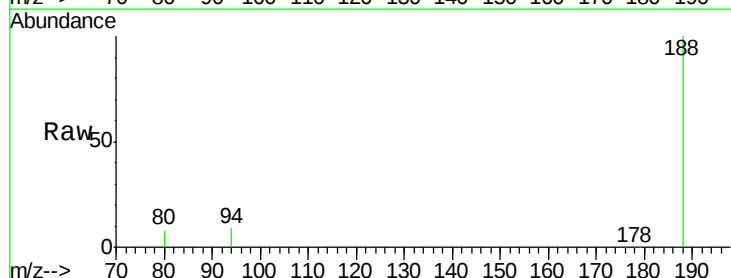
Instrument :
BNA_E
ClientSampleId :
PB91035BSD

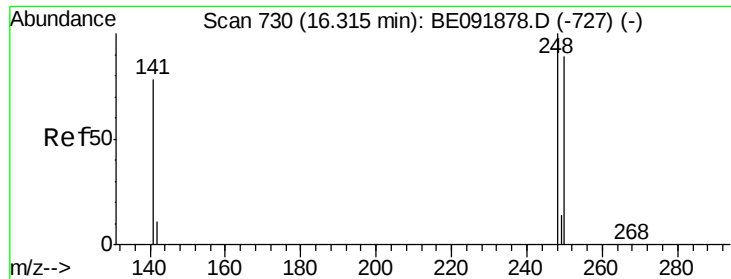
Tot Ion:204 Resp: 27019
Ion Ratio Lower Upper
204 100
206 33.2 27.8 41.6
141 240.7 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.13 min Scan# 778
Delta R.T. 0.00 min
Lab File: BE091903.D
Acq: 8 Jun 2016 16:19

Tgt Ion:188 Resp: 141529
Ion Ratio Lower Upper
188 100
94 8.8 4.1 6.1#
80 8.3 3.4 5.2#





#25

4-Bromophenyl-phenylether

Concen: 3.02 ng

RT: 16.31 min Scan# 730

Delta R.T. -0.00 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

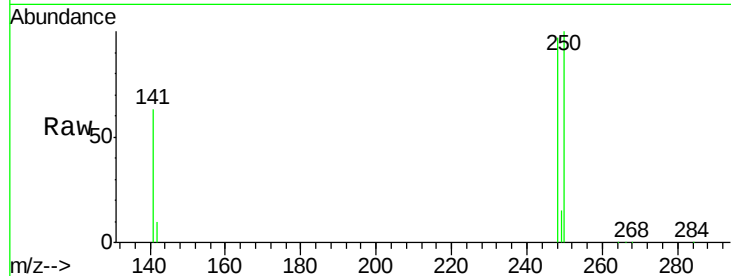
Tot Ion:248 Resp: 15372

Ion Ratio Lower Upper

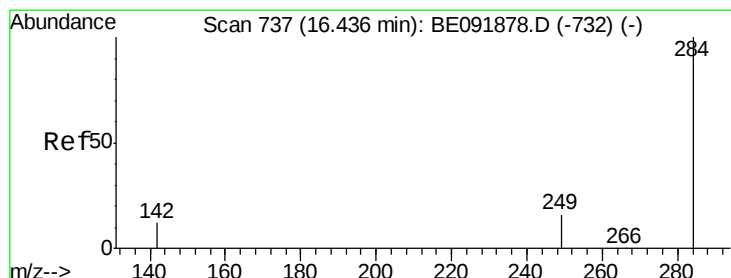
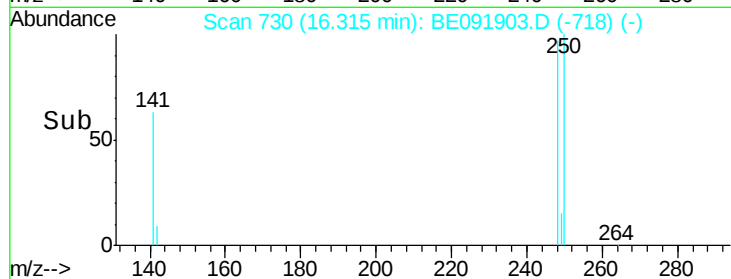
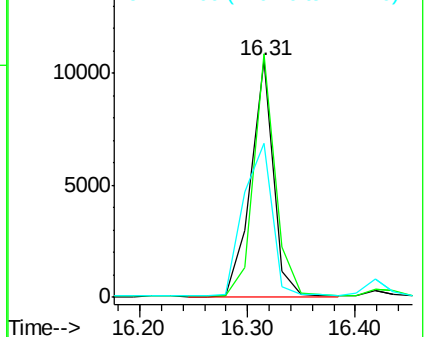
248 100

250 98.2 75.7 113.5

141 81.6 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: 3.11 ng

RT: 16.44 min Scan# 737

Delta R.T. -0.00 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

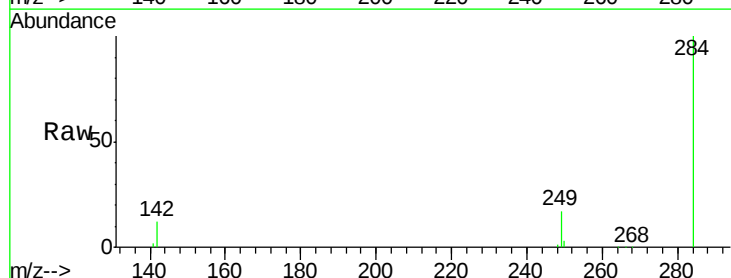
Tgt Ion:284 Resp: 16165

Ion Ratio Lower Upper

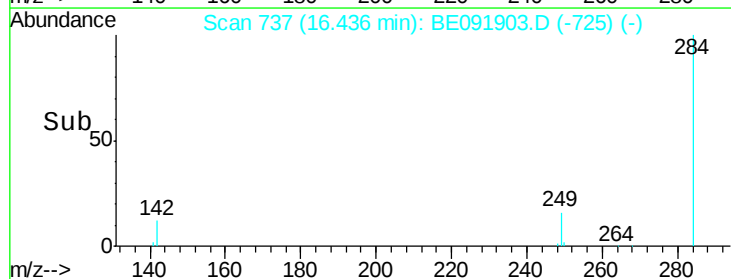
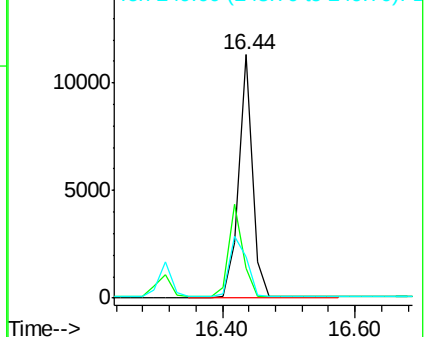
284 100

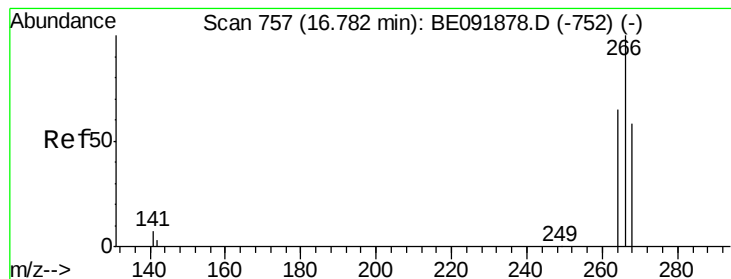
142 39.3 31.4 47.2

249 31.5 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: 5.76 ng

RT: 16.78 min Scan# 757

Delta R.T. -0.00 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

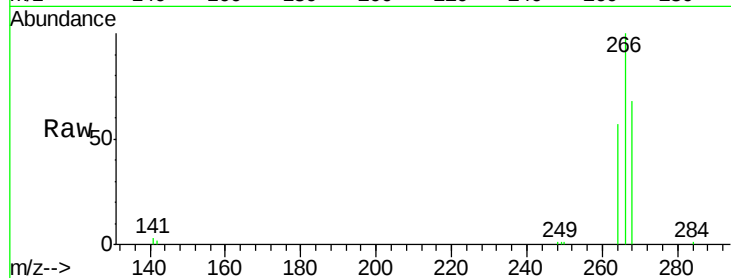
Tot Ion:266 Resp: 14569

Ion Ratio Lower Upper

266 100

268 67.8 60.5 90.7

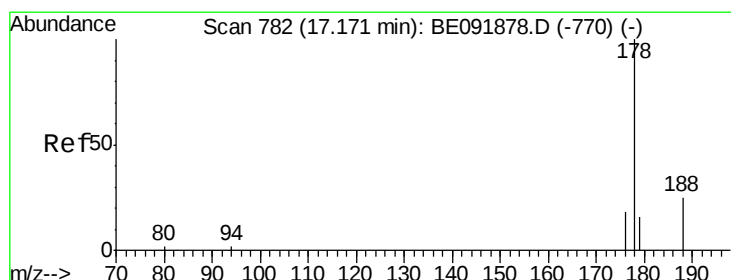
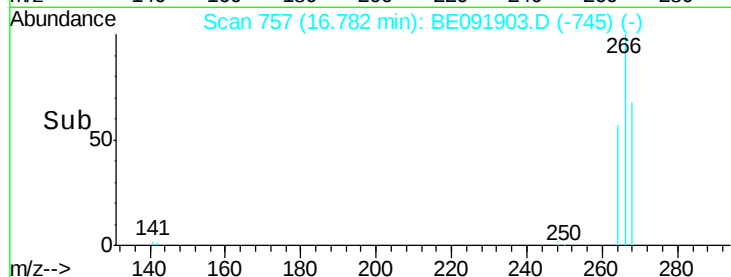
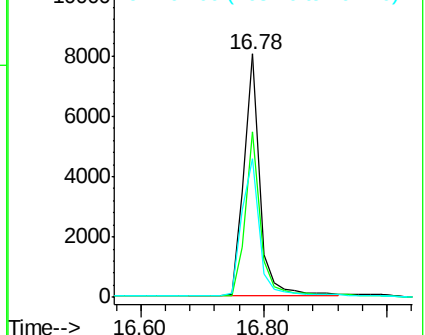
264 56.8 51.0 76.4



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: 2.88 ng

RT: 17.17 min Scan# 782

Delta R.T. 0.00 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

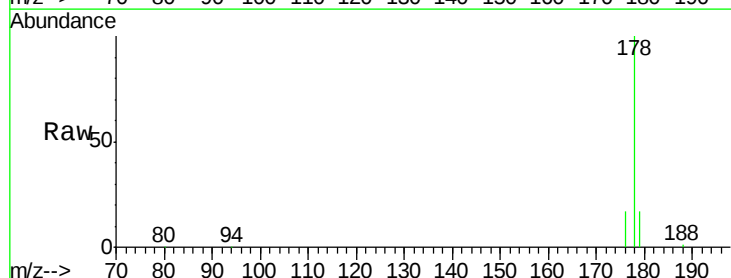
Tgt Ion:178 Resp: 94439

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

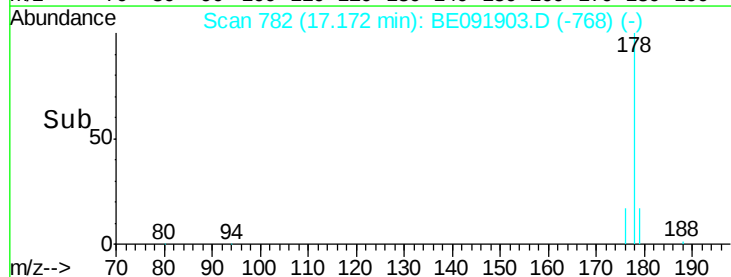
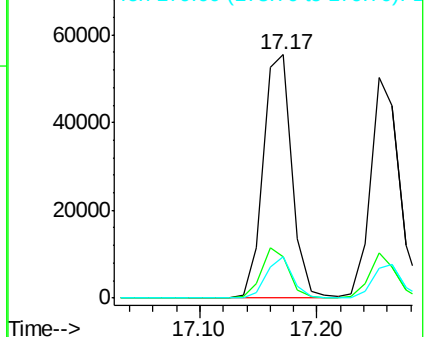
179 15.5 12.9 19.3

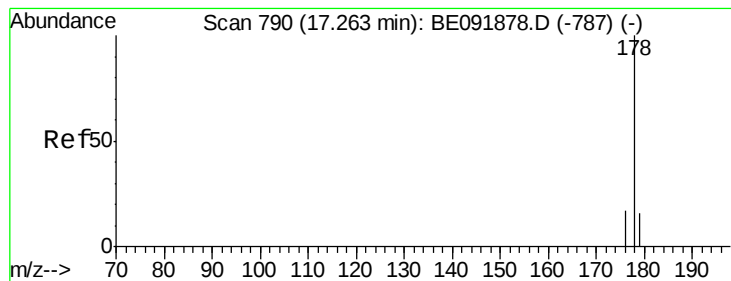


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 2.97 ng

RT: 17.25 min Scan# 789

Delta R.T. -0.01 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

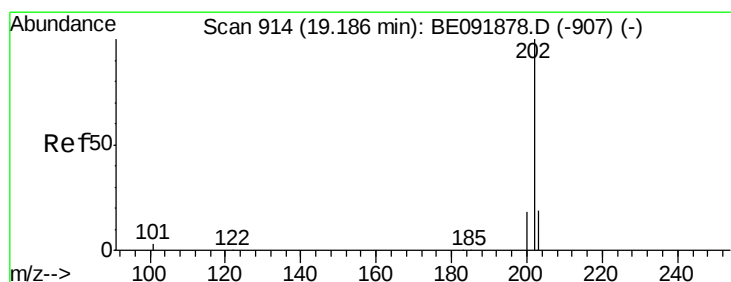
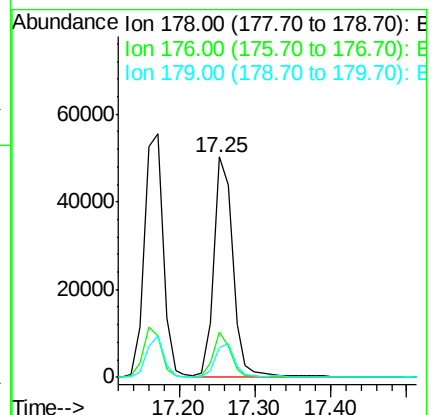
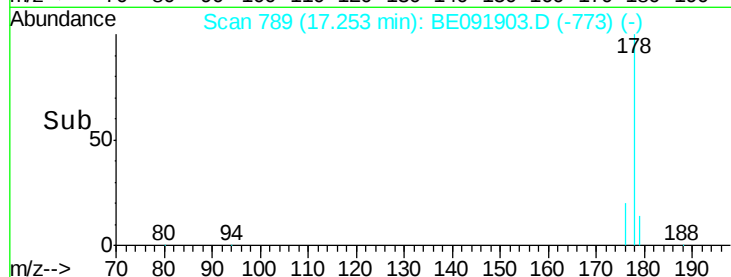
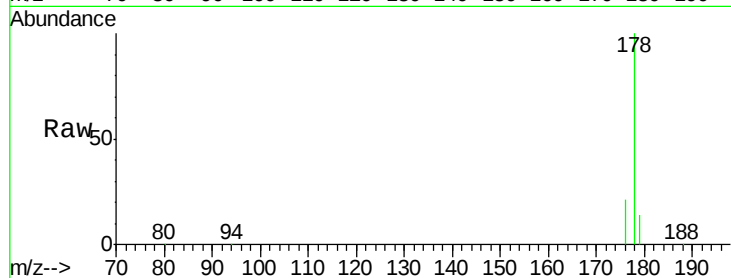
Tot Ion:178 Resp: 86605

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

179 15.5 12.1 18.1



#30

Fluoranthene

Concen: 2.71 ng

RT: 19.19 min Scan# 914

Delta R.T. -0.00 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

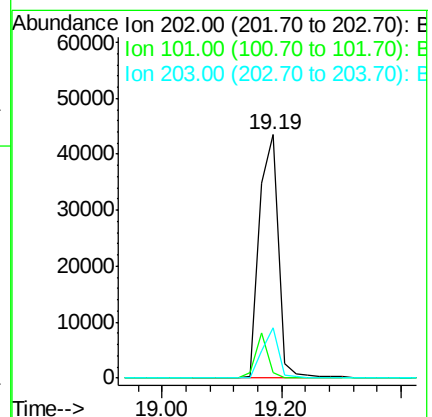
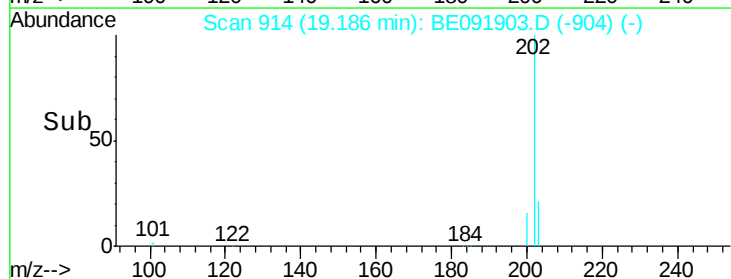
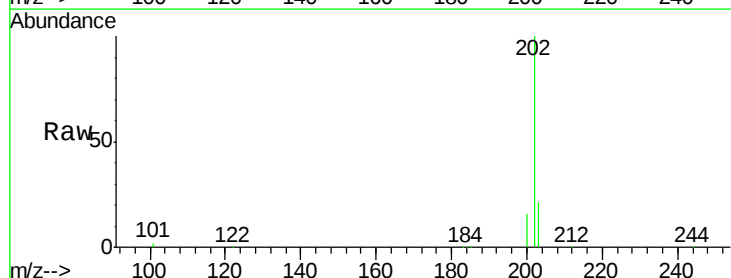
Tgt Ion:202 Resp: 95871

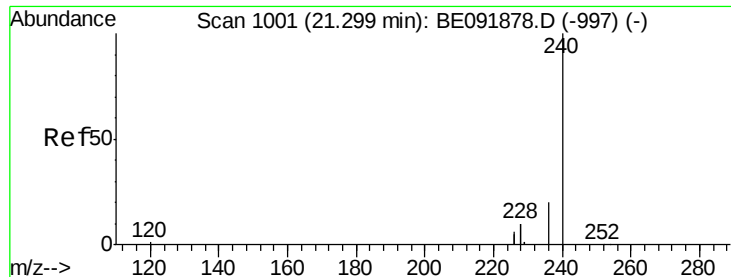
Ion Ratio Lower Upper

202 100

101 12.1 9.4 14.0

203 17.8 14.3 21.5

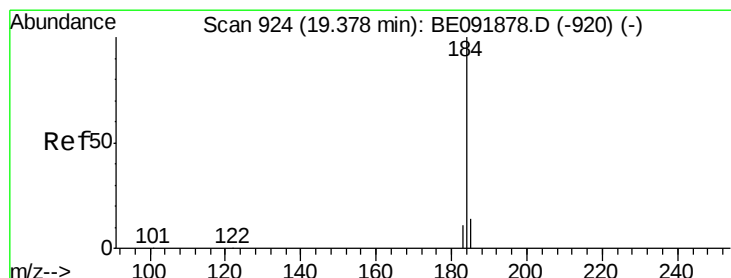
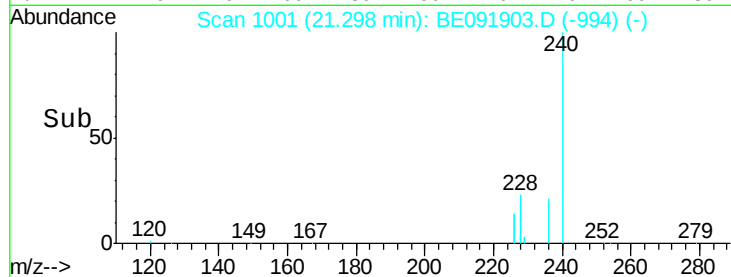
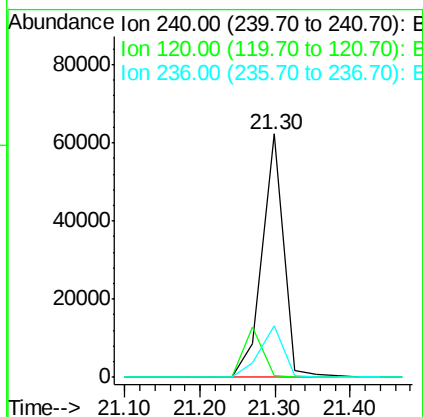
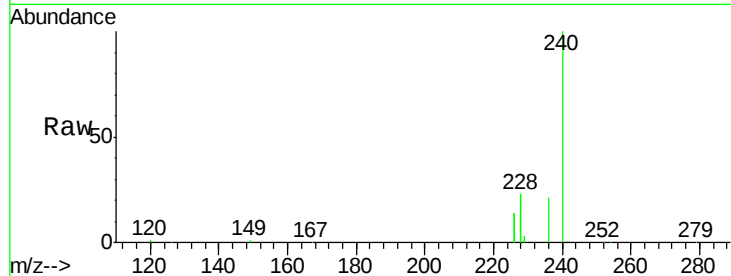




#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.30 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BE091903.D
Acq: 8 Jun 2016 16:19

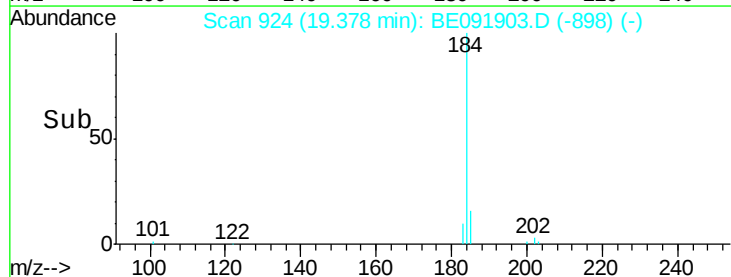
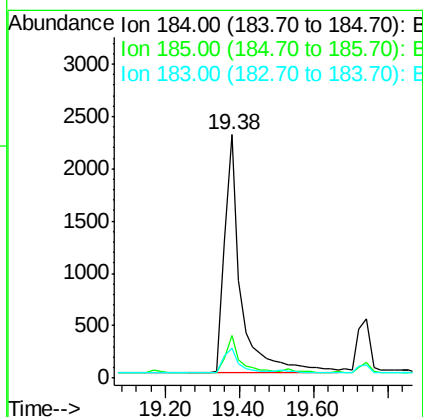
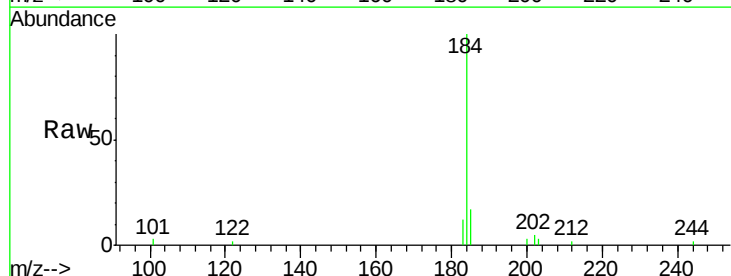
Instrument :
BNA_E
ClientSampleId :
PB91035BSD

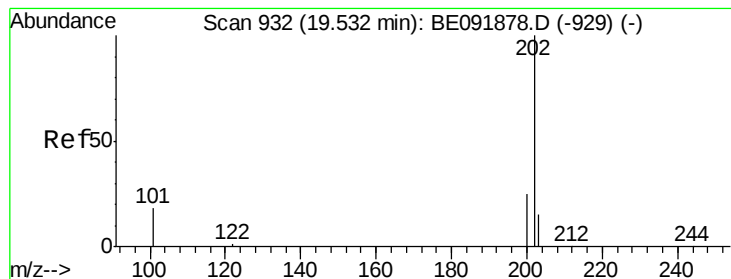
Tot Ion:240 Resp: 125026
Ion Ratio Lower Upper
240 100
120 0.6 1.2 1.8#
236 21.4 19.8 29.8



#32
Benzidine
Concen: 0.78 ng
RT: 19.38 min Scan# 924
Delta R.T. 0.00 min
Lab File: BE091903.D
Acq: 8 Jun 2016 16:19

Tgt Ion:184 Resp: 6942
Ion Ratio Lower Upper
184 100
185 17.5 11.4 17.2#
183 12.0 11.8 17.6





#33

Pvrene

Concen: 3.24 ng

RT: 19.53 min Scan# 932

Delta R.T. -0.00 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

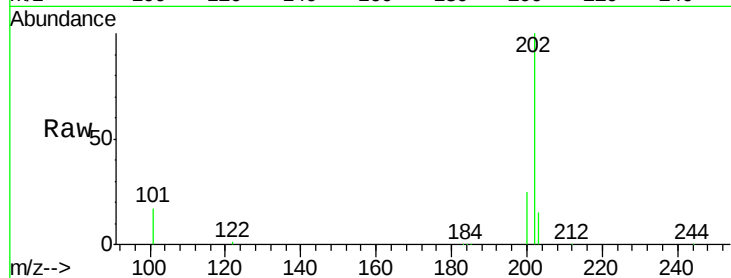
Tot Ion:202 Resp: 102253

Ion Ratio Lower Upper

202 100

200 21.7 16.9 25.3

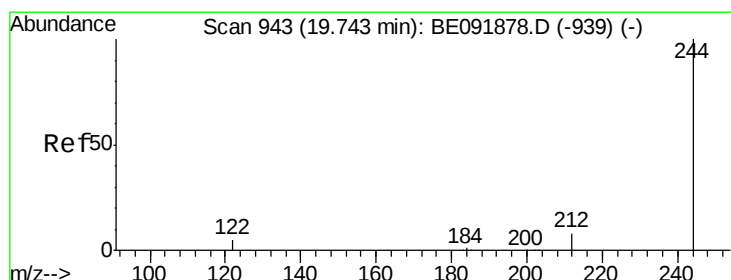
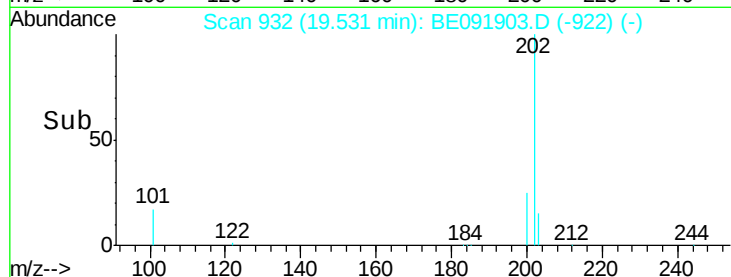
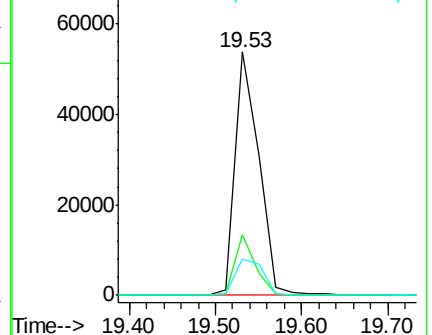
203 17.9 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#34

Terphenyl-d14

Concen: 4.71 ng

RT: 19.74 min Scan# 943

Delta R.T. 0.00 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

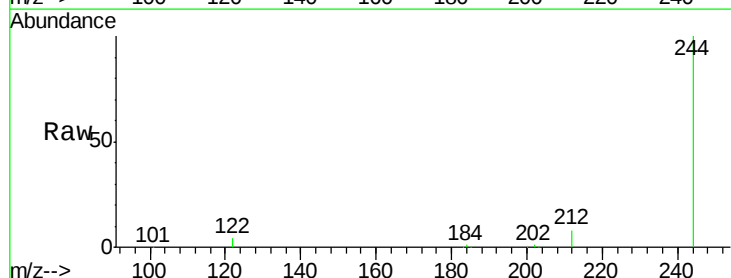
Tgt Ion:244 Resp: 72984

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

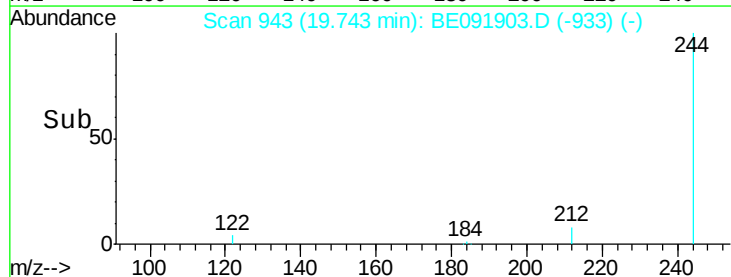
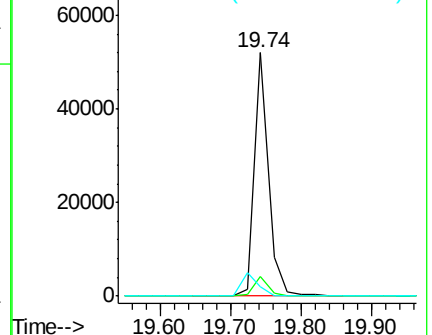
122 4.1 2.9 4.3

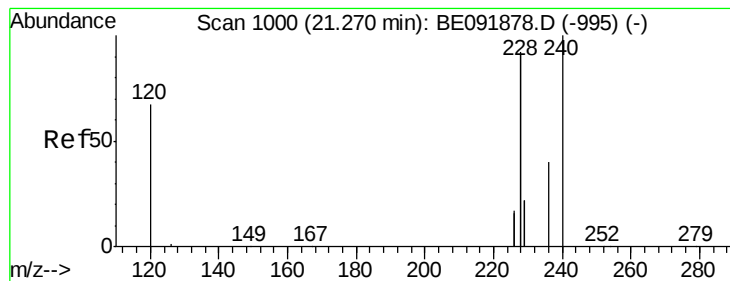


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 3.76 ng/mL

RT: 21.27 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

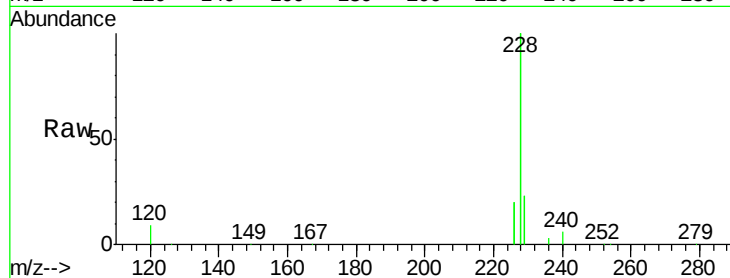
Tot Ion:228 Resp: 557841

Ion Ratio Lower Upper

228 100

226 20.2 21.0 31.4#

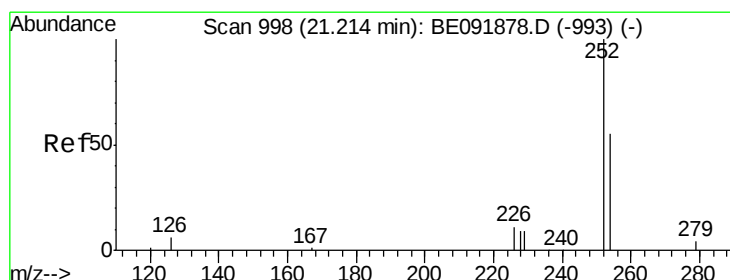
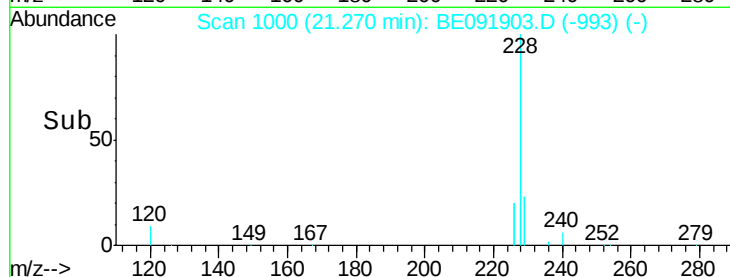
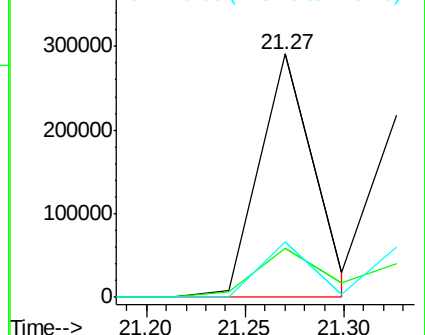
229 22.8 15.8 23.8



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: 2.28 ng/mL

RT: 21.21 min Scan# 998

Delta R.T. 0.00 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

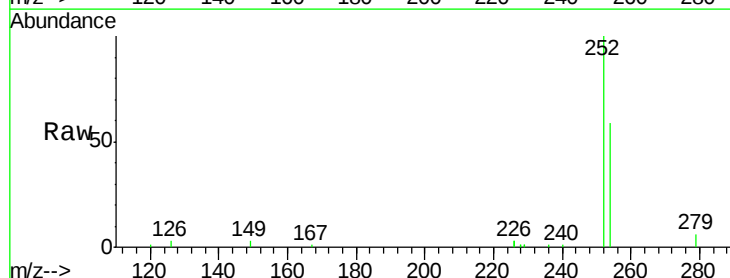
Tgt Ion:252 Resp: 22493

Ion Ratio Lower Upper

252 100

254 59.1 61.5 92.3#

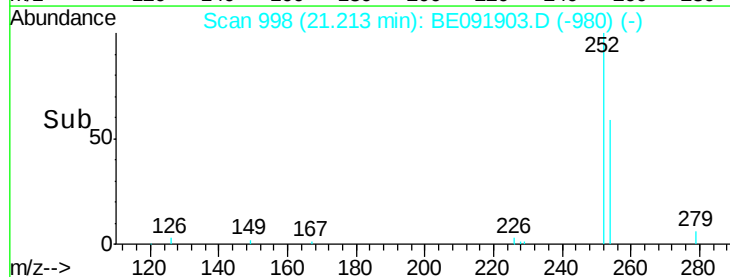
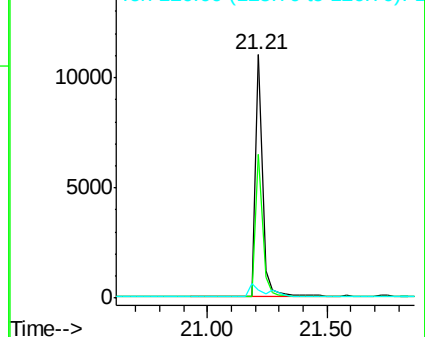
126 3.2 2.5 3.7

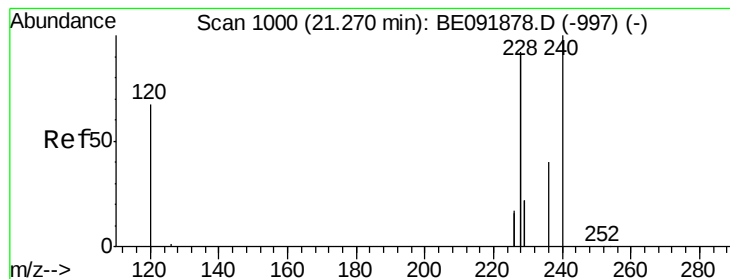


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 3.05 ng/mL

RT: 21.33 min Scan# 1002

Delta R.T. -0.00 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

Instrument :

BNA_E

ClientSampleID :

PB91035BSD

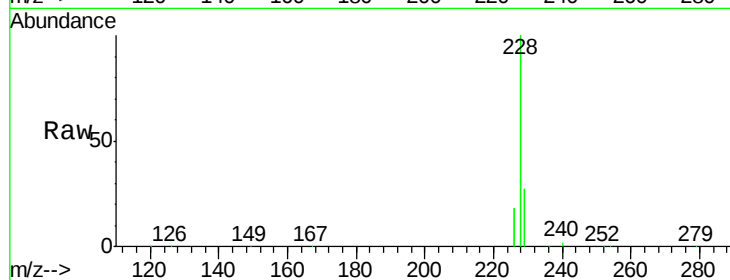
Tot Ion: 228 Resp: 389260

Ion Ratio Lower Upper

228 100

226 18.2 27.0 40.6#

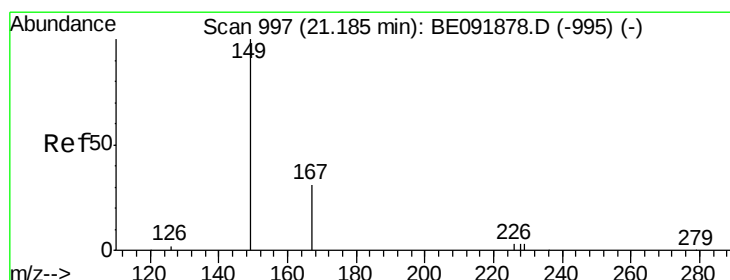
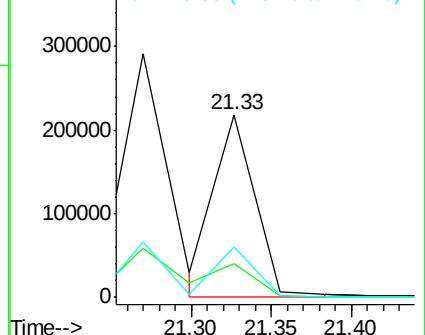
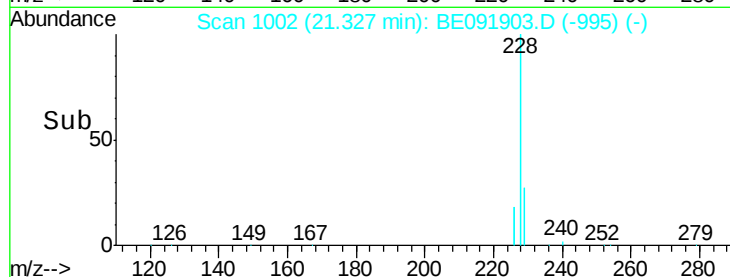
229 27.4 13.8 20.8#



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: 2.77 ng/mL

RT: 21.18 min Scan# 997

Delta R.T. -0.00 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

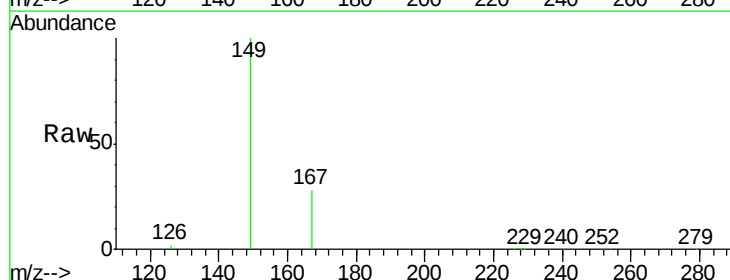
Tgt Ion: 149 Resp: 62552

Ion Ratio Lower Upper

149 100

167 27.7 0.0 0.0#

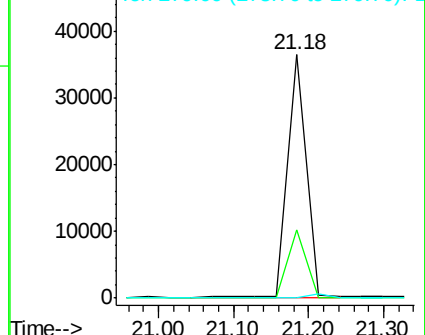
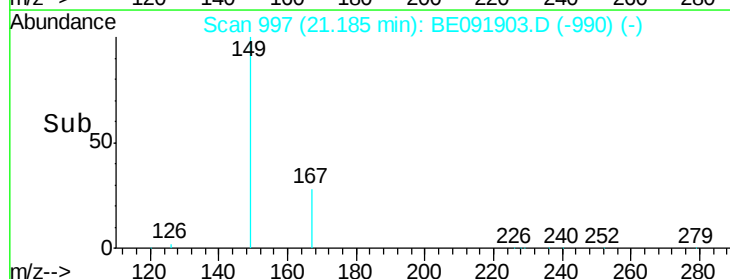
279 0.0 0.0 0.0

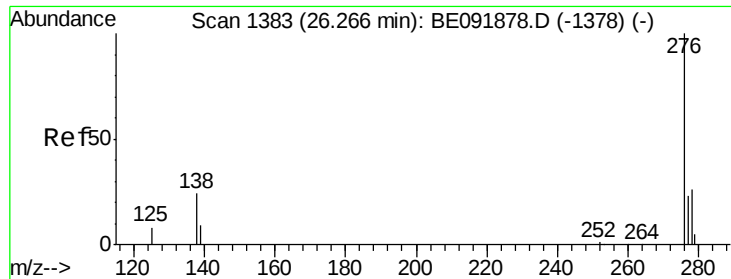


Abundance Ion 149.00 (148.70 to 149.70): E

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: Below Cal

RT: 26.29 min Scan# 1384

Delta R.T. 0.02 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

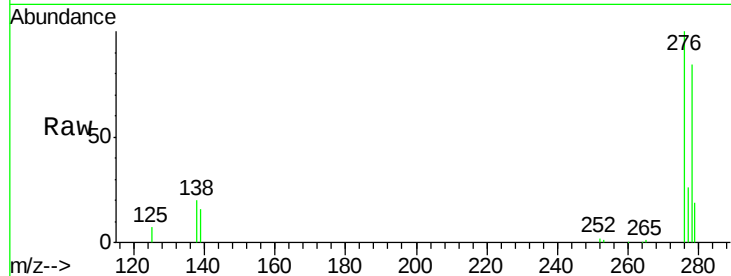
Tot Ion:276 Resp: 159309

Ion Ratio Lower Upper

276 100

138 0.0 19.7 29.5#

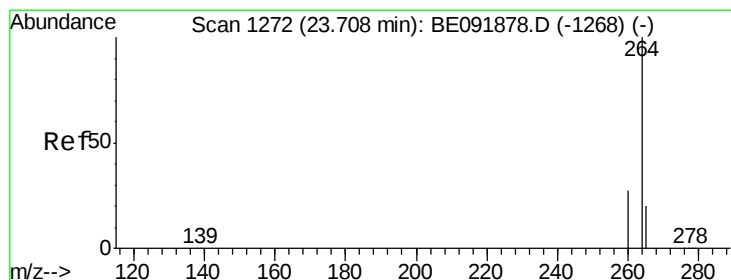
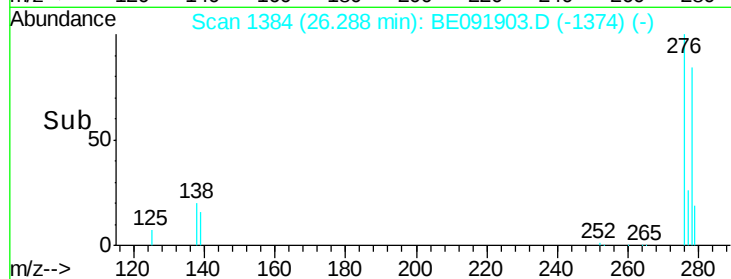
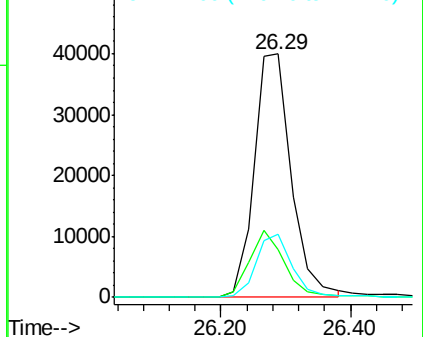
277 25.0 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#40

Perylene-d12

Concen: 5.00 ng

RT: 23.73 min Scan# 1273

Delta R.T. 0.02 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

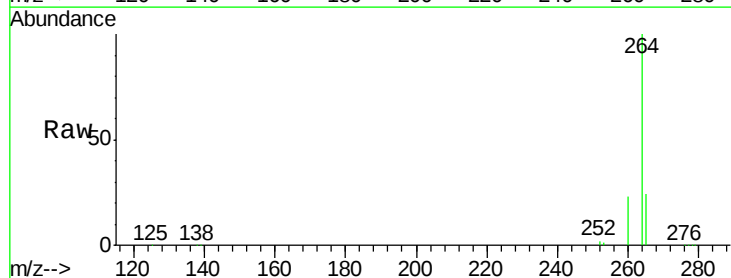
Tgt Ion:264 Resp: 156477

Ion Ratio Lower Upper

264 100

260 22.6 20.3 30.5

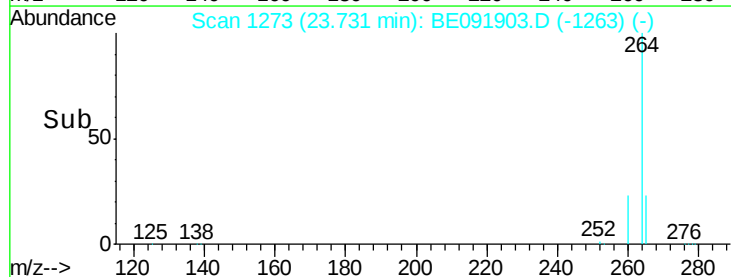
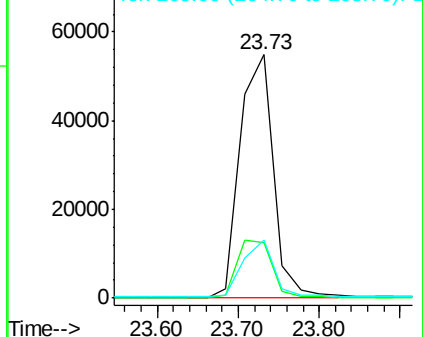
265 23.9 17.6 26.4

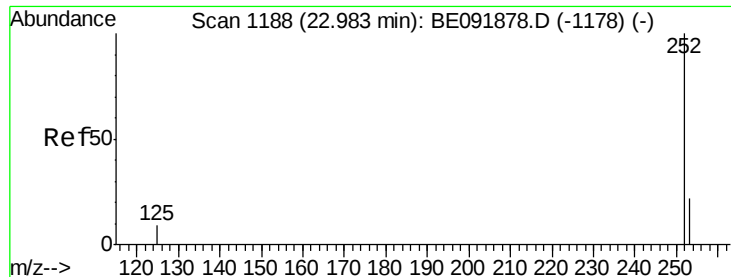


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 3.37 ng

RT: 22.98 min Scan# 1188

Delta R.T. -0.00 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

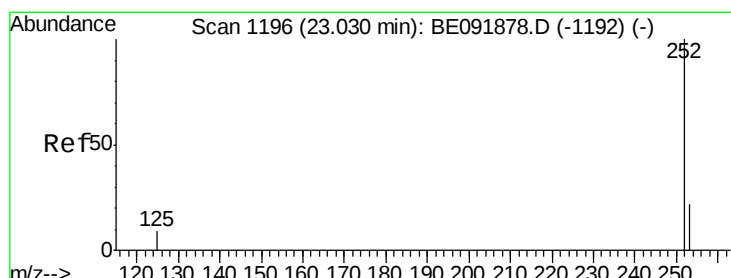
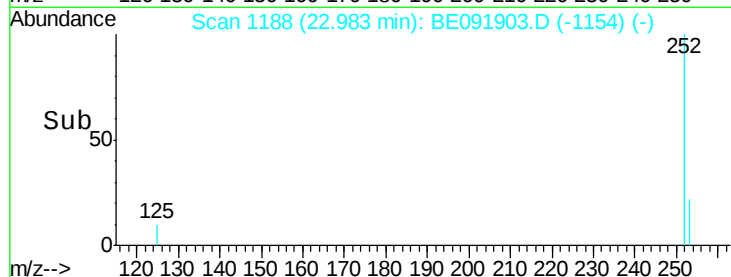
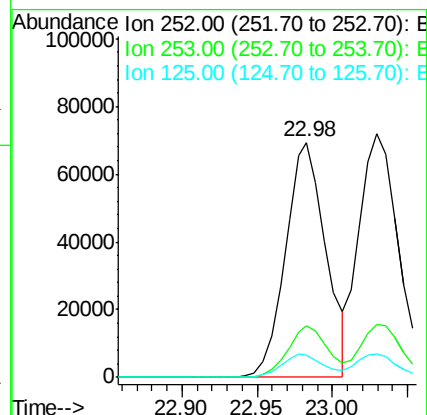
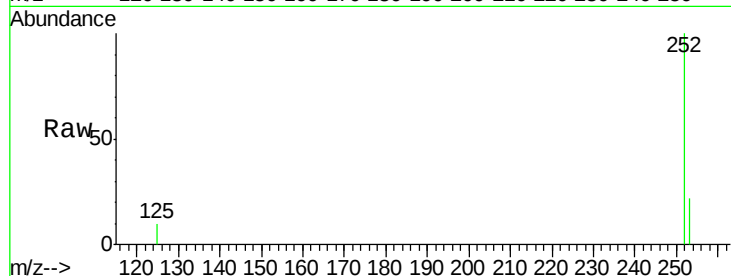
Tot Ion:252 Resp: 128726

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

125 9.7 9.4 14.2



#42

Benzo(k)fluoranthene

Concen: 3.40 ng

RT: 23.03 min Scan# 1196

Delta R.T. -0.00 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

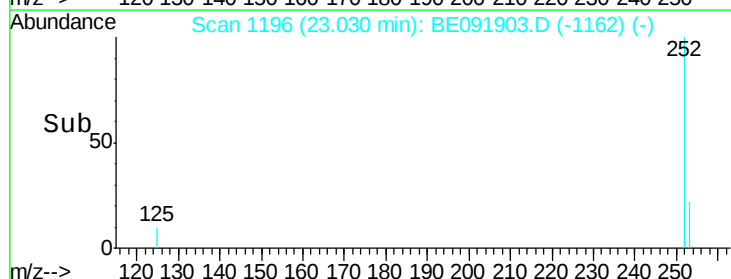
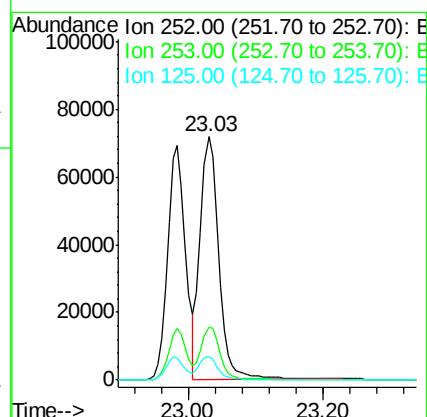
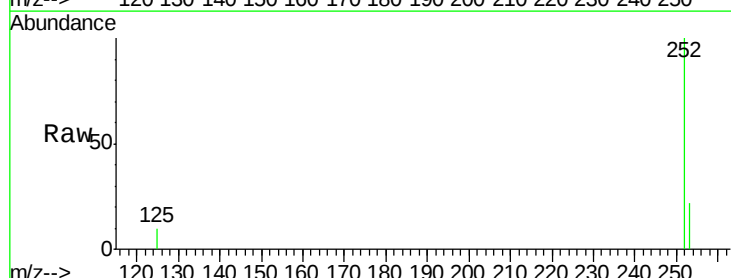
Tgt Ion:252 Resp: 134924

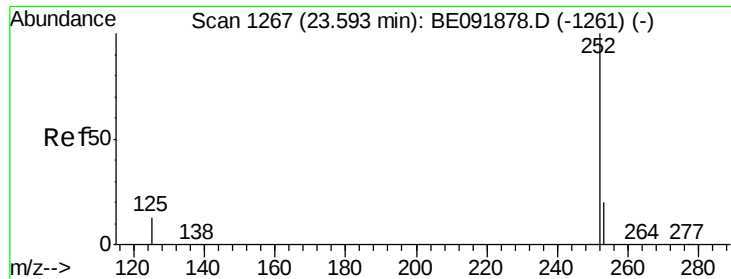
Ion Ratio Lower Upper

252 100

253 21.8 19.4 29.2

125 9.9 8.3 12.5





#43

Benzo(a)pyrene

Concen: 3.56 ng

RT: 23.62 min Scan# 1268

Delta R.T. 0.02 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

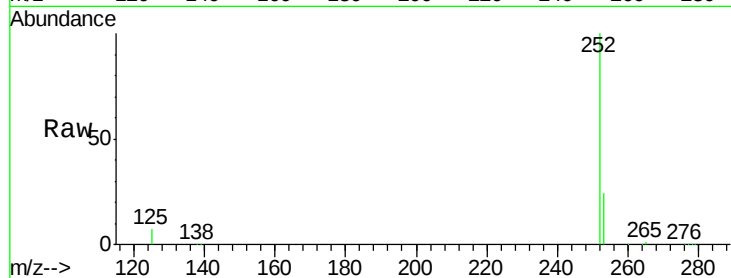
Tot Ion:252 Resp: 127488

Ion Ratio Lower Upper

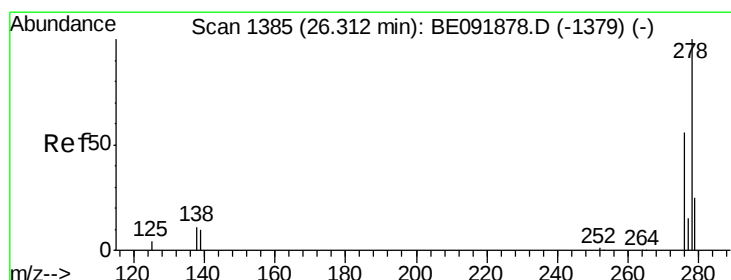
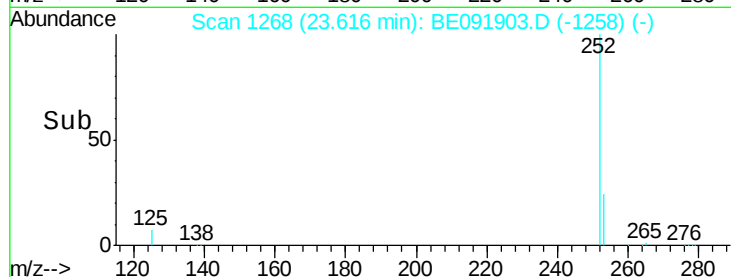
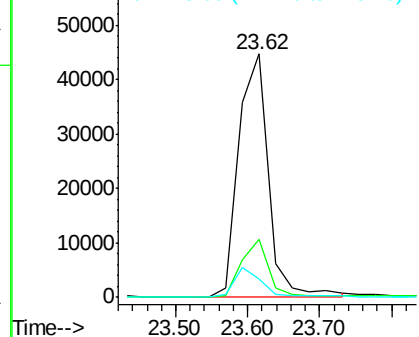
252 100

253 24.1 18.9 28.3

125 7.4 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: 4.03 ng

RT: 26.31 min Scan# 1385

Delta R.T. -0.00 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

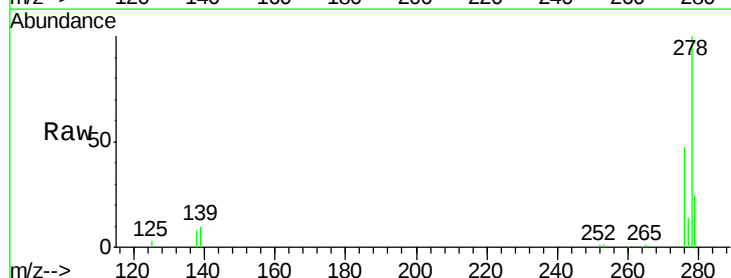
Tgt Ion:278 Resp: 134769

Ion Ratio Lower Upper

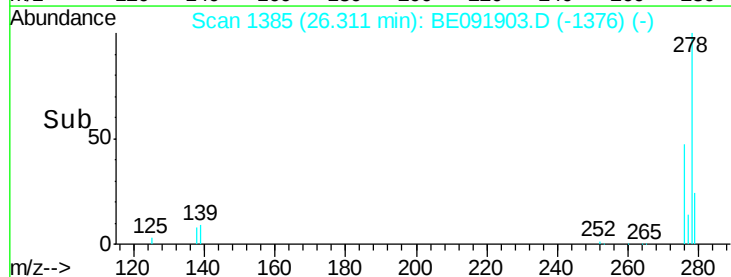
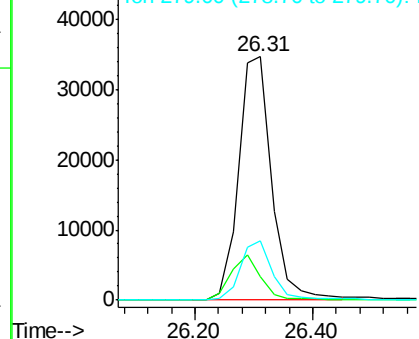
278 100

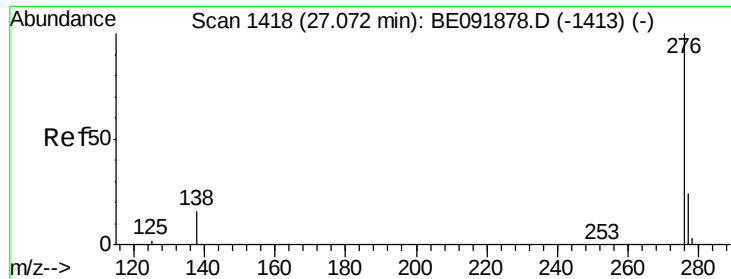
139 9.6 12.6 18.8#

279 24.5 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

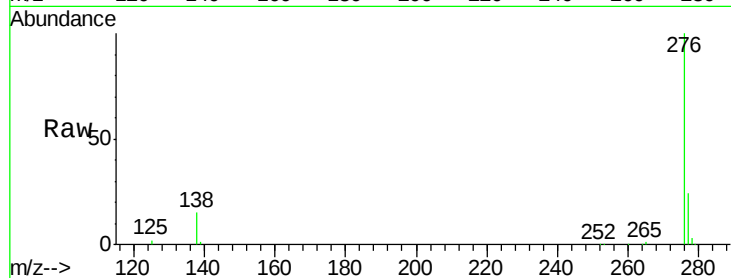




#45
 Benzo(a,h,i)perylene
 Concen: 3.99 ng
 RT: 27.07 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: BE091903.D
 Acq: 8 Jun 2016 16:19

Instrument :
 BNA_E
 ClientSampleId :
 PB91035BSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.5	29.3
138	15.4	17.7	26.5



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

