

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 01:14:47 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

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

						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	940323	6.19	ng	# 90
36) 3,3'-Dichlorobenzidine	21.21	252	22493	2.28	ng	# 80
37) Chrysene	21.27	228	947852	7.44	ng	# 80
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(g,h,i)perylene	27.07	276	139695	3.99	ng	# 93

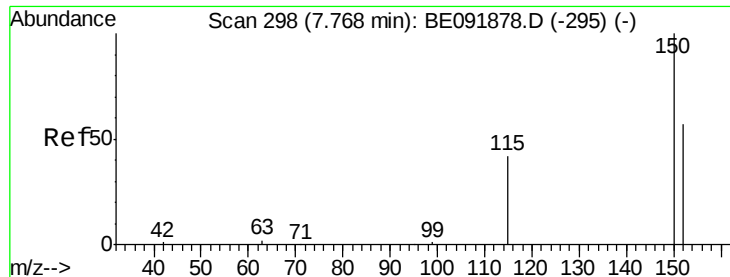
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE060816\
Data File : BE091903.D
Acq On : 8 Jun 2016 16:19
Operator : UM/SJ
Sample : PB91035BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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Quant Time: Jun 09 01:14:47 2016
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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)
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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

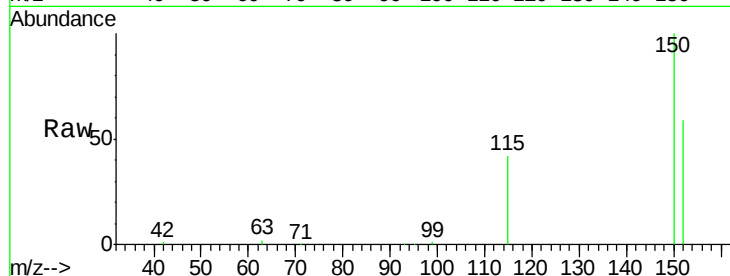
Tgt Ion:152 Resp: 24296

Ion Ratio Lower Upper

152 100

150 170.1 123.9 185.9

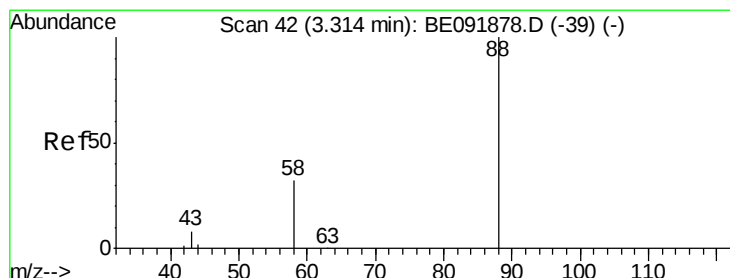
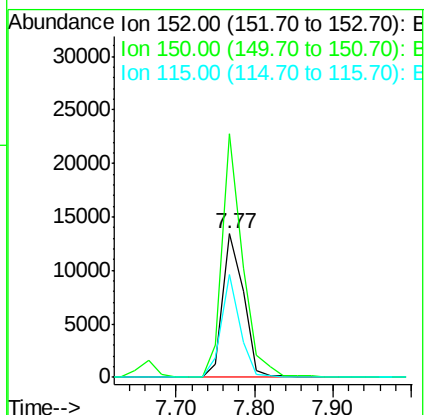
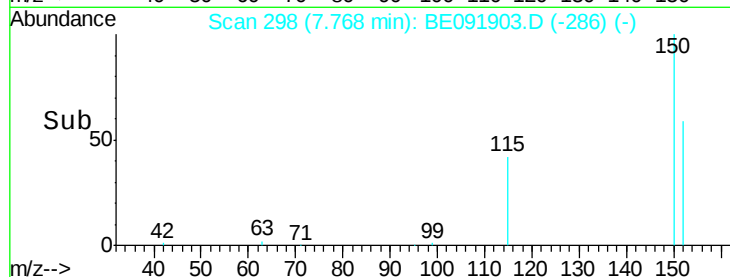
115 71.4 48.3 72.5



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

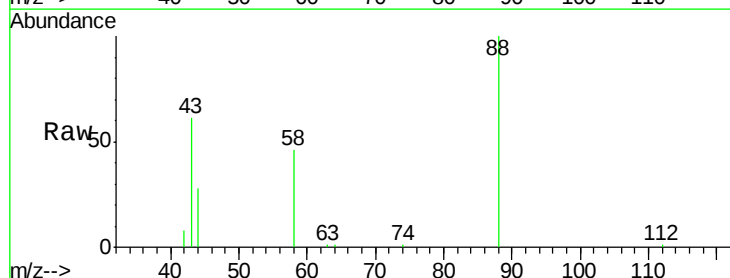
Tgt Ion: 88 Resp: 8937

Ion Ratio Lower Upper

88 100

58 96.6 63.0 94.4#

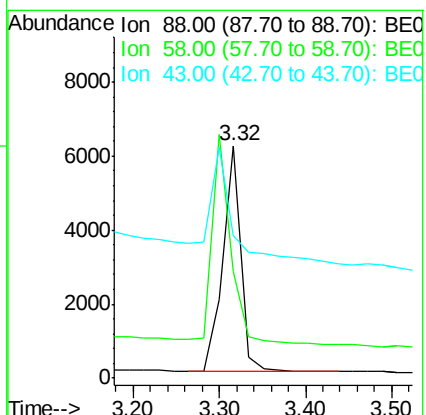
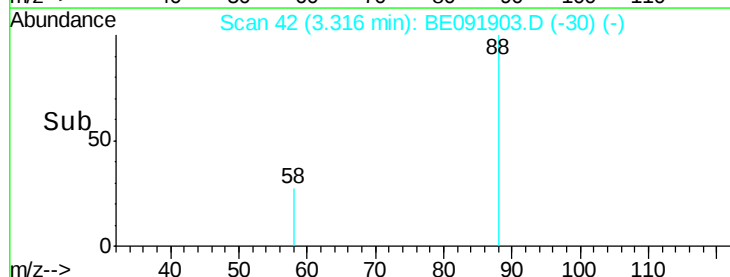
43 65.4 29.1 43.7#

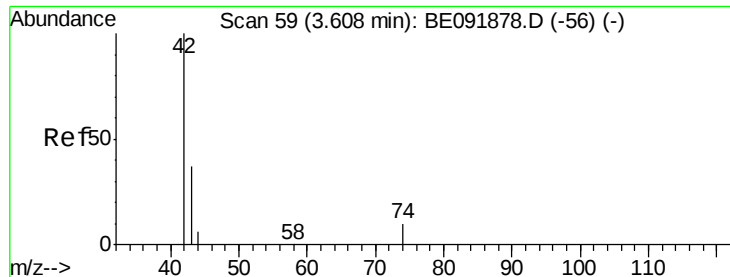


Abundance Ion 88.00 (87.70 to 88.70): BE0

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

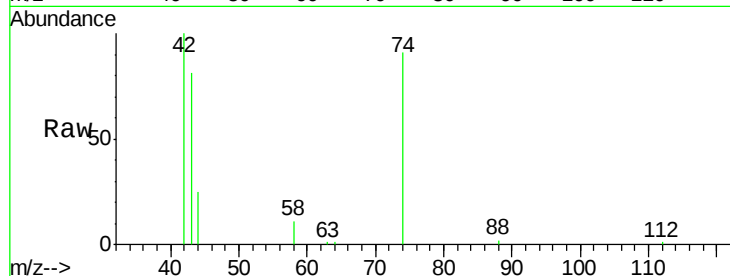
Tgt Ion: 42 Resp: 12830

Ion Ratio Lower Upper

42 100

74 113.9 93.4 140.0

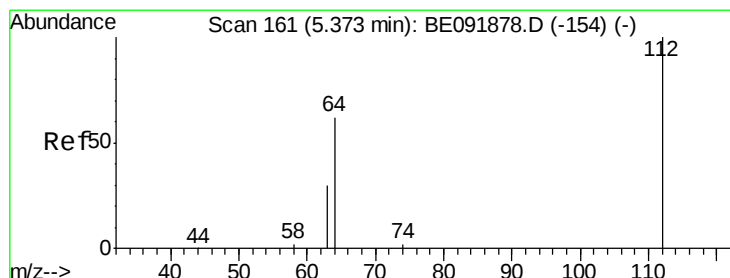
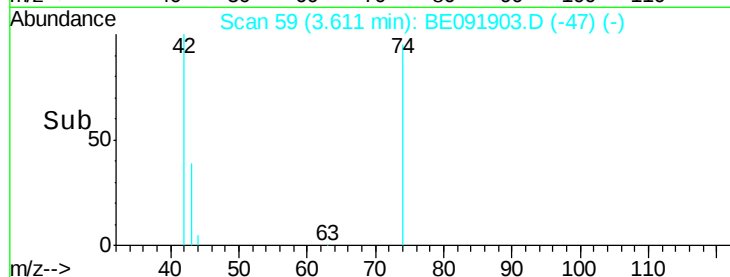
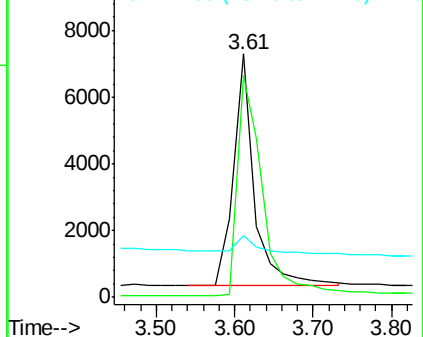
44 9.5 5.0 7.6#



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

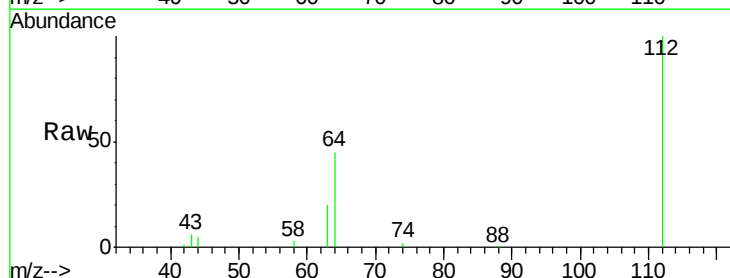
Tgt Ion: 112 Resp: 35086

Ion Ratio Lower Upper

112 100

64 66.7 53.7 80.5

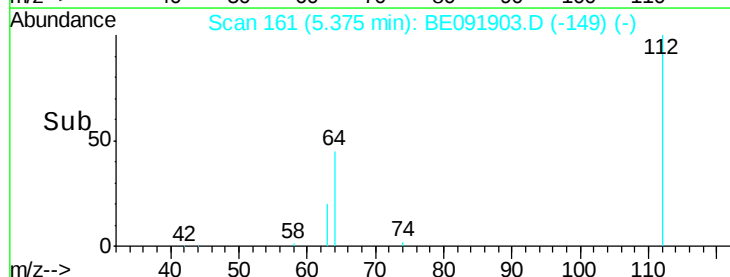
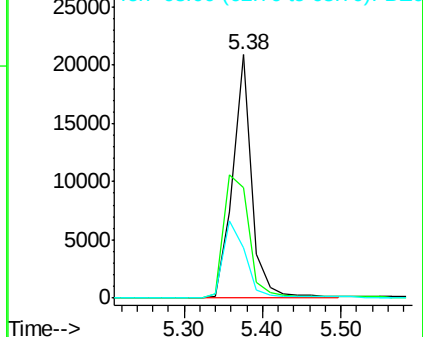
63 36.0 29.5 44.3

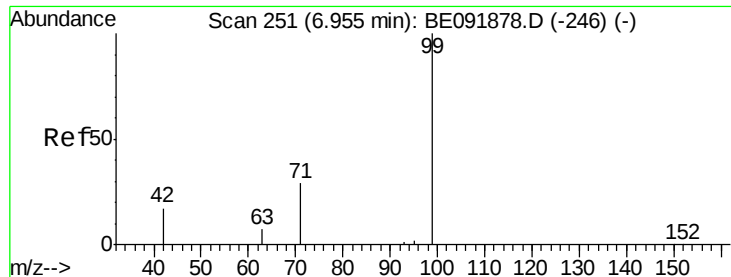


Abundance Ion 112.00 (111.70 to 112.70): BE091878.D (-154) (-)

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

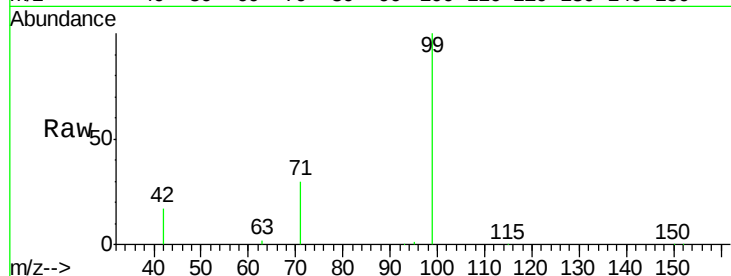
Tgt Ion: 99 Resp: 45583

Ion Ratio Lower Upper

99 100

42 24.7 19.6 29.4

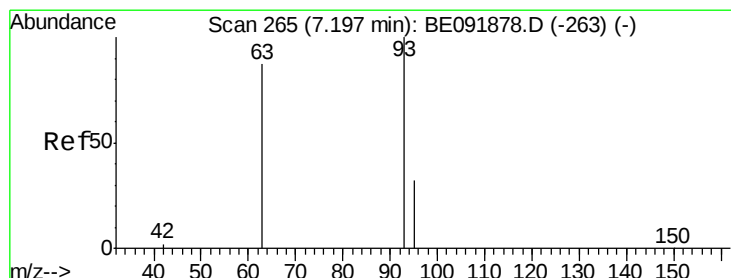
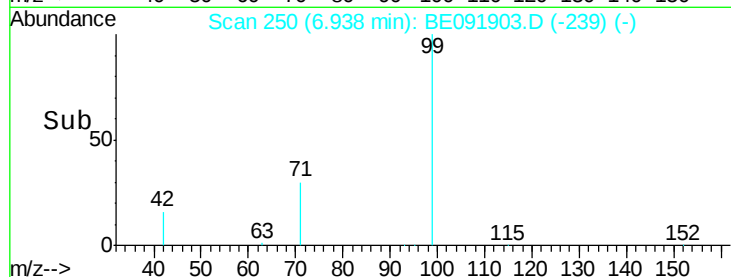
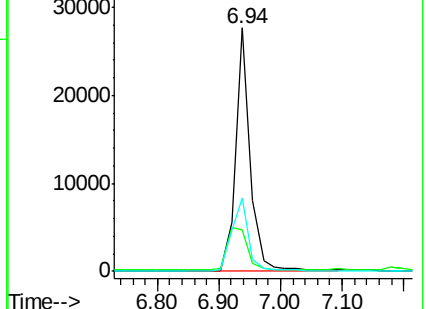
71 34.7 28.1 42.1



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

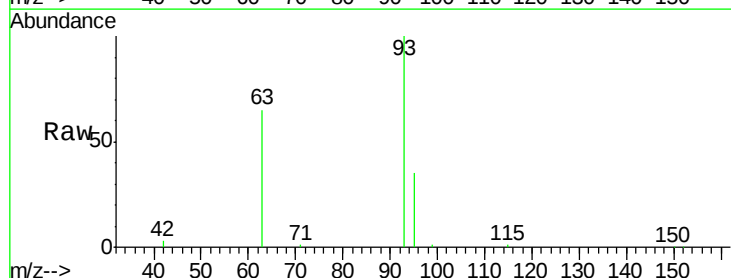
Tgt Ion: 93 Resp: 22231

Ion Ratio Lower Upper

93 100

63 85.5 66.2 99.4

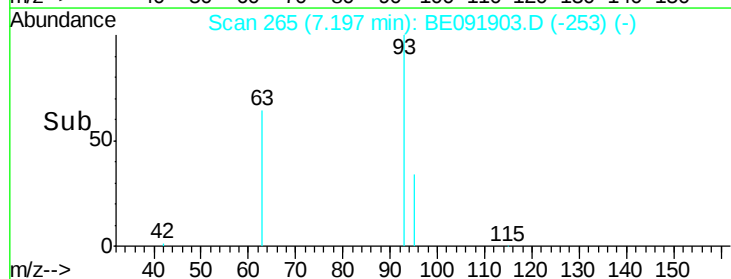
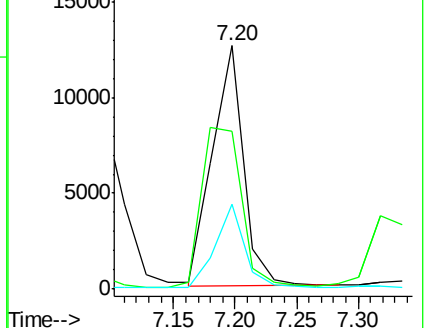
95 32.9 25.5 38.3

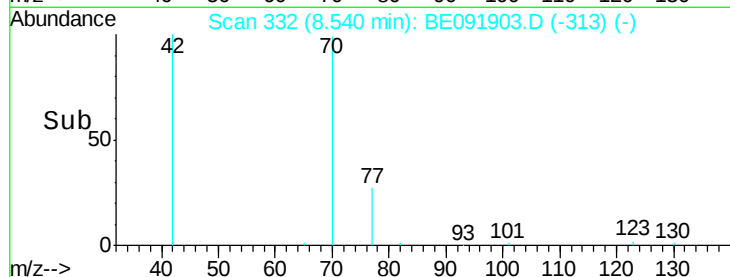
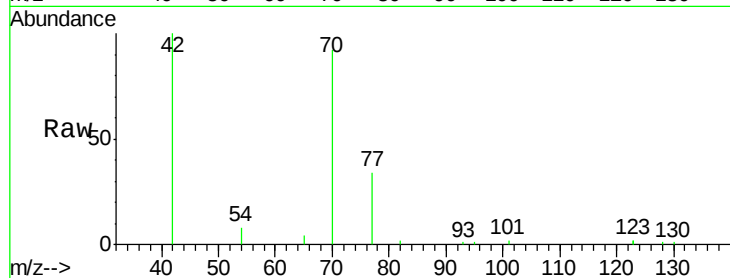
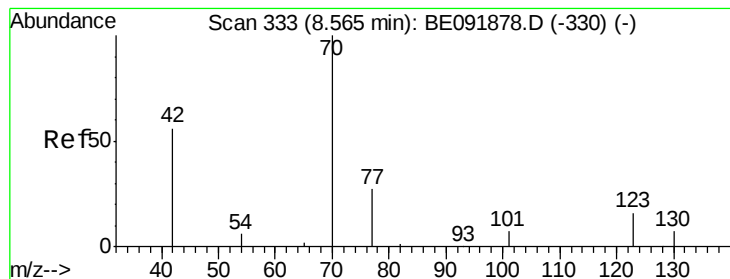


Abundance Ion 93.00 (92.70 to 93.70): BE0

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

Tgt Ion: 70 Resp: 15688

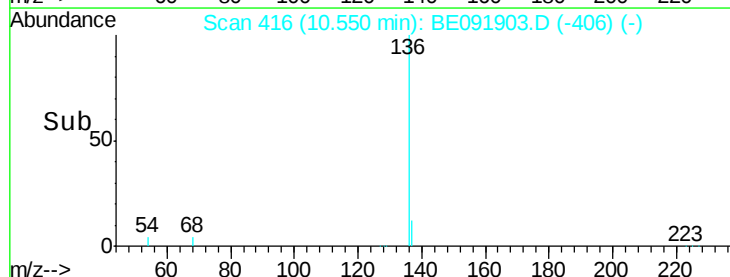
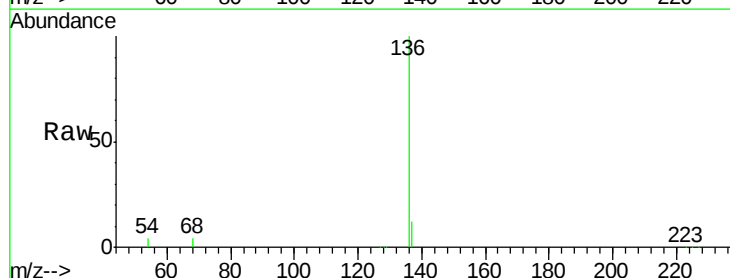
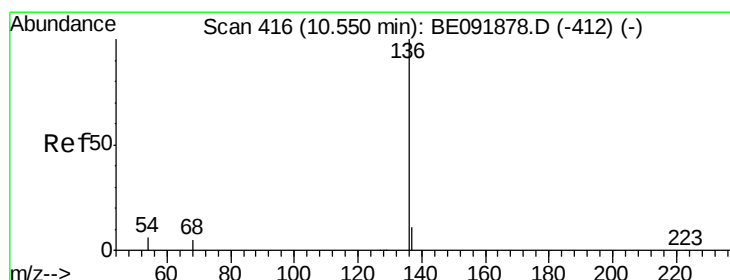
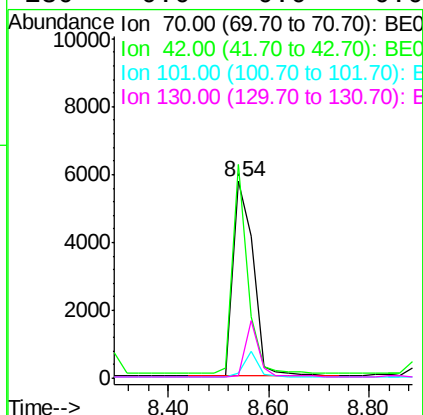
Ion Ratio Lower Upper

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

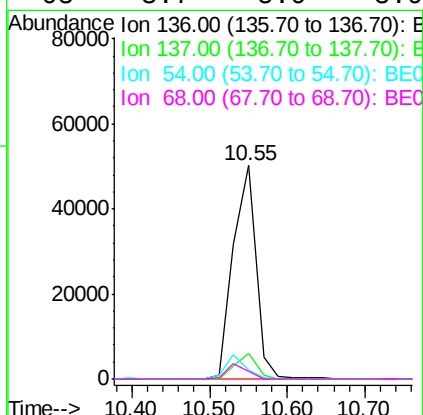
Ion Ratio Lower Upper

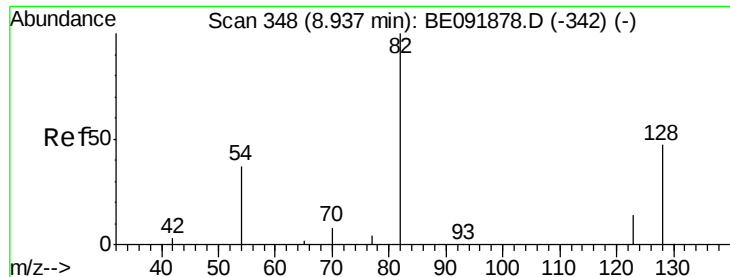
136 100

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

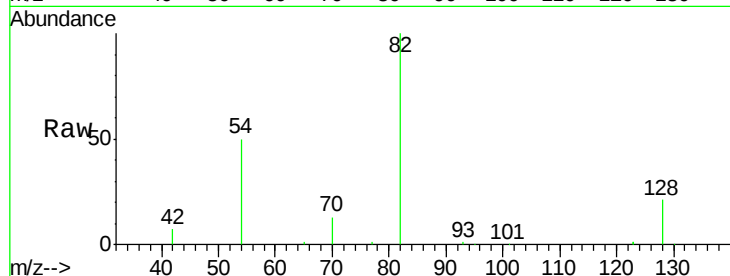
Tgt Ion: 82 Resp: 26971

Ion Ratio Lower Upper

82 100

128 21.1 39.5 59.3#

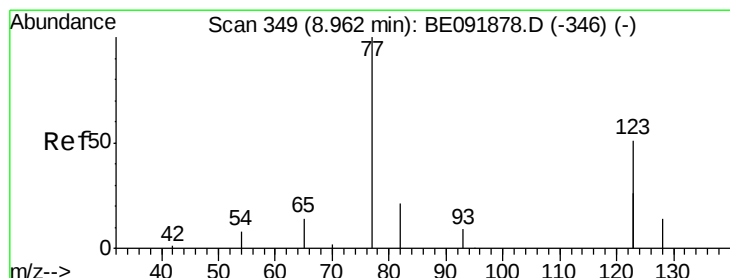
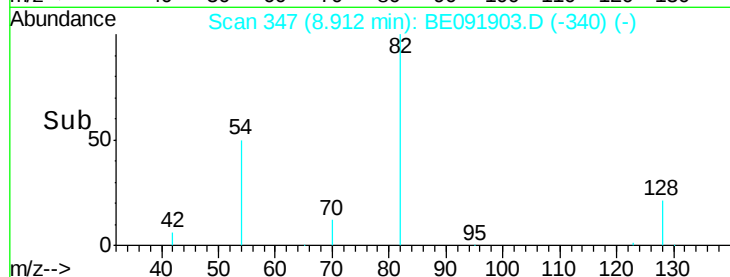
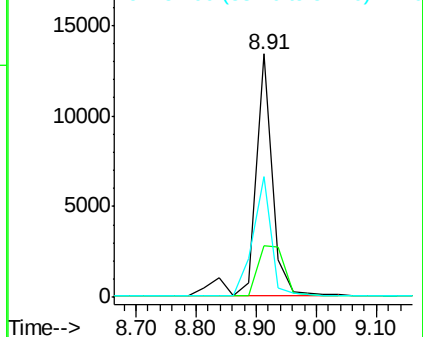
54 49.8 30.3 45.5#



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

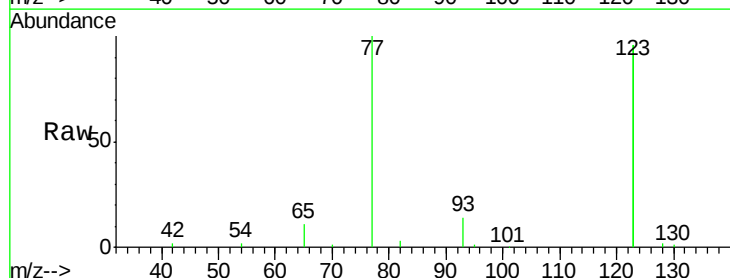
Tgt Ion: 77 Resp: 23537

Ion Ratio Lower Upper

77 100

123 163.4 0.0 0.0#

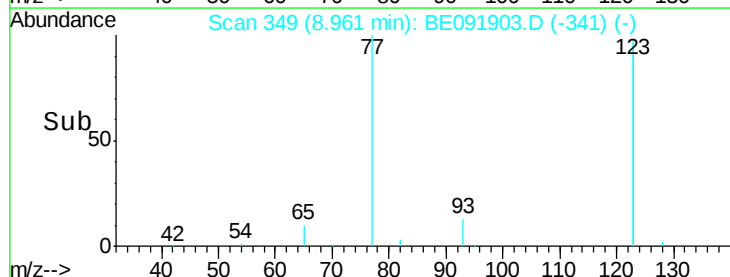
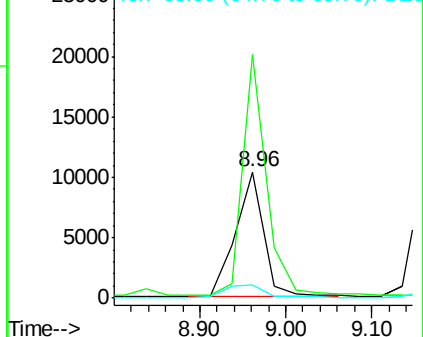
65 13.7 11.1 16.7

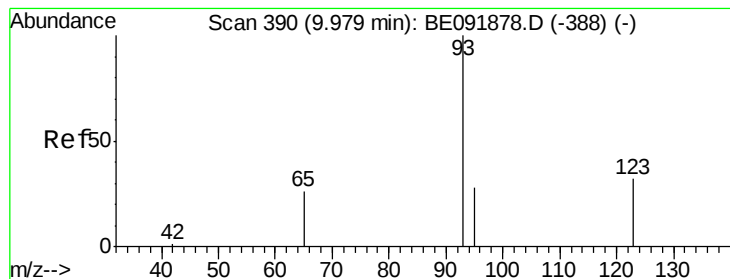


Abundance Ion 77.00 (76.70 to 77.70): BE0

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

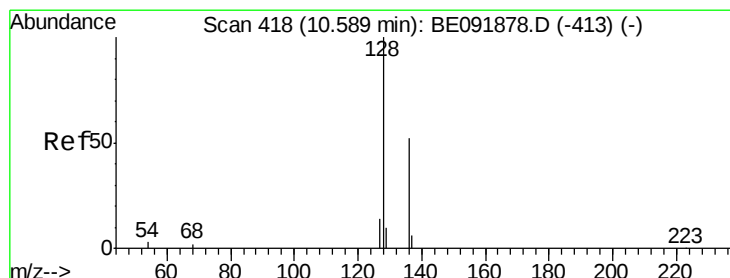
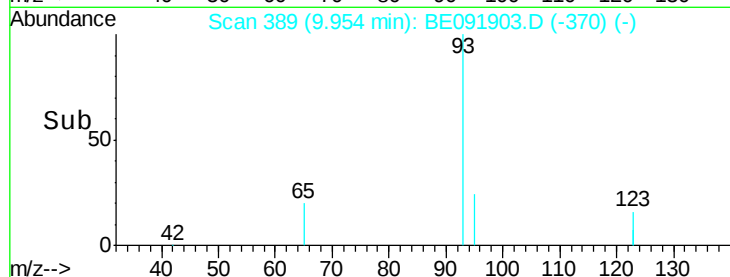
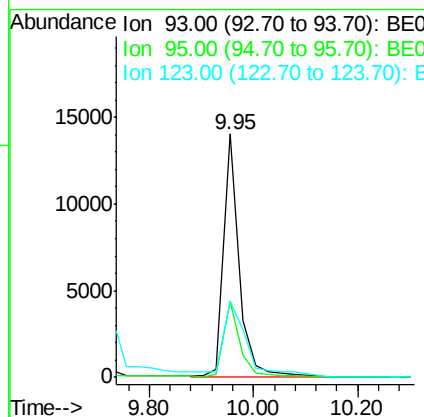
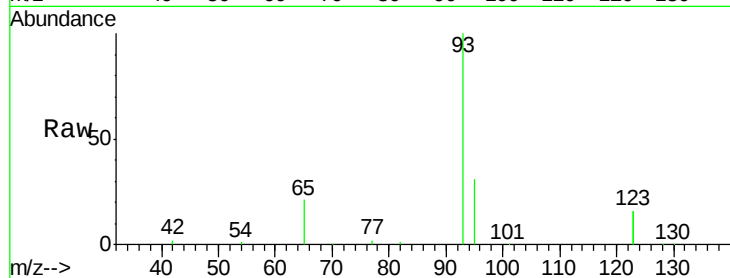
Tgt Ion: 93 Resp: 33050

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

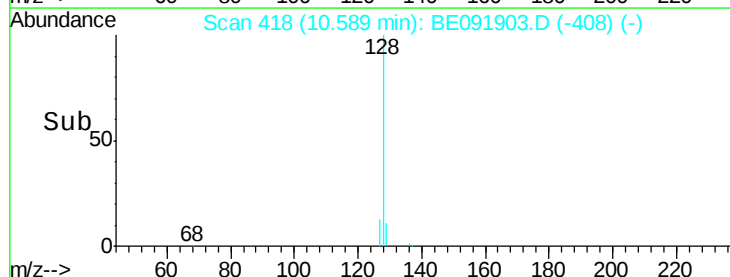
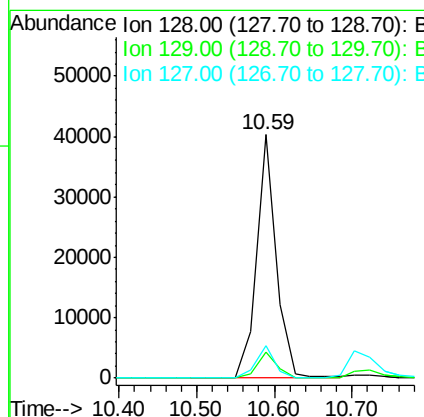
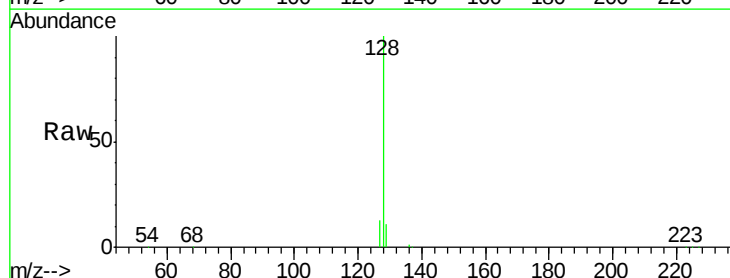
Tgt Ion: 128 Resp: 70667

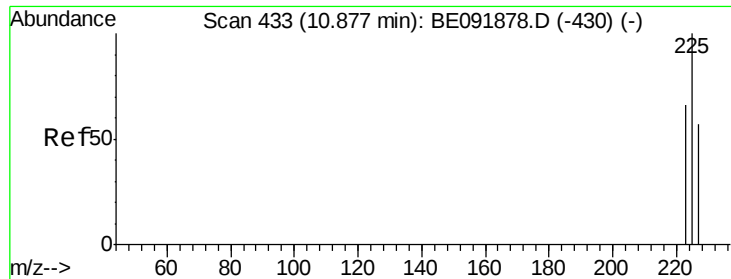
Ion Ratio Lower Upper

128 100

129 10.9 10.4 15.6

127 13.1 10.2 15.2

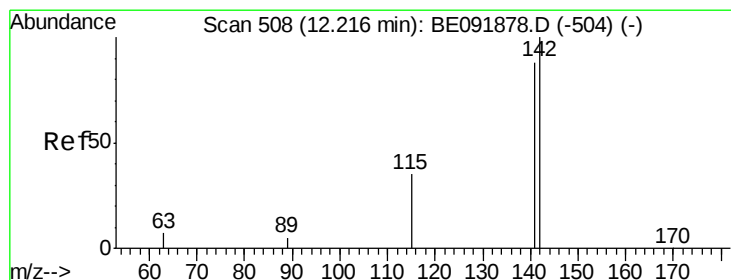
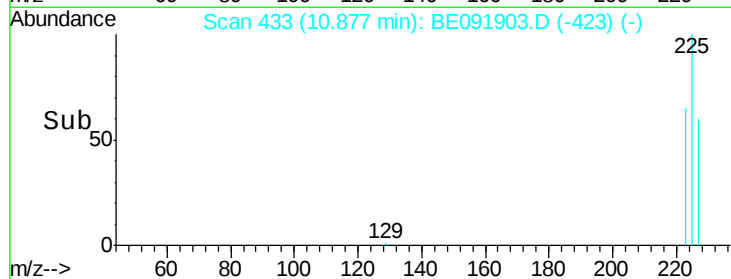
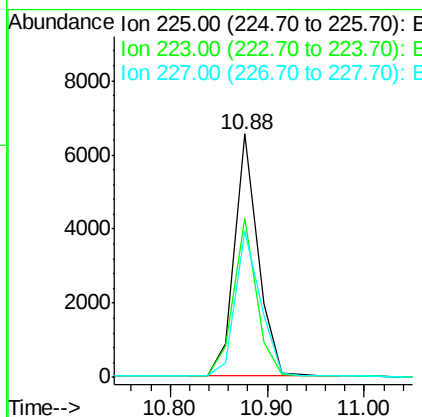
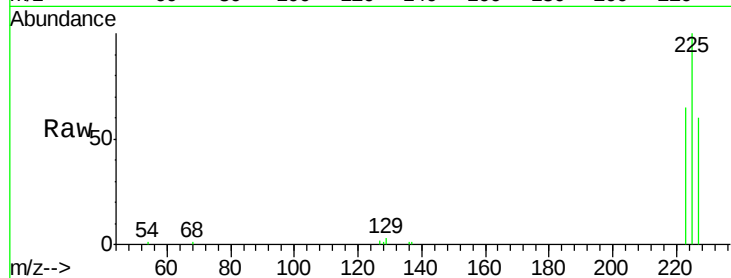




#13
Hexachlorobutadiene
Concen: 3.31 ng
RT: 10.88 min Scan# 433
Delta R.T. -0.00 min
Lab File: BE091903.D
Acq: 8 Jun 2016 16:19

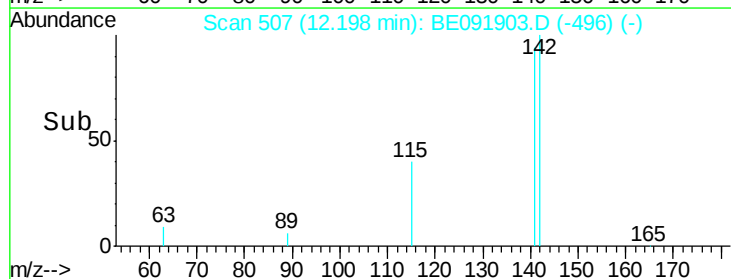
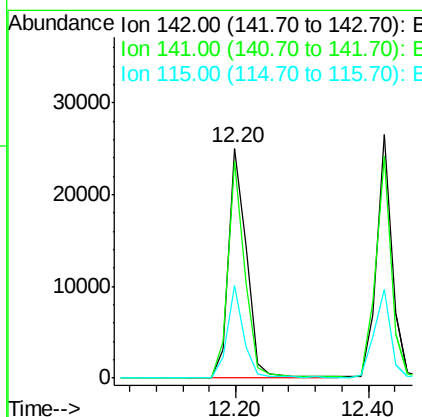
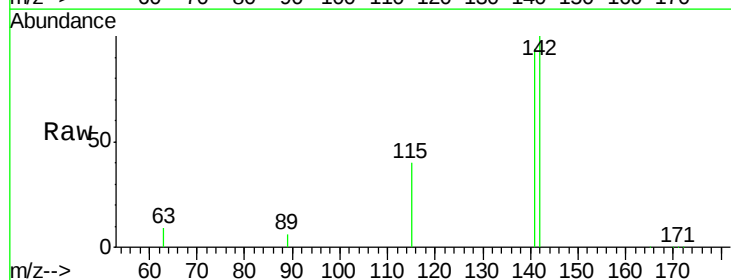
Instrument :
BNA_E
ClientSampleId :
PB91035BSD

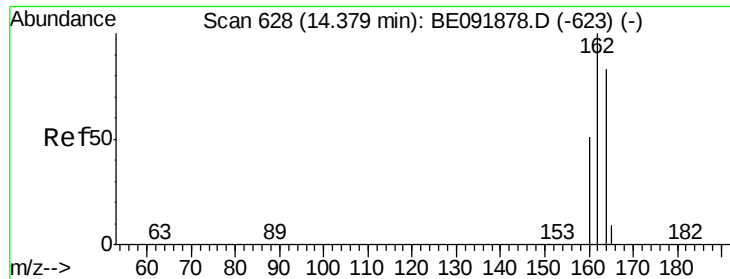
Tgt Ion: 225 Resp: 10895
Ion Ratio Lower Upper
225 100
223 63.6 49.8 74.8
227 63.4 50.6 75.8



#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

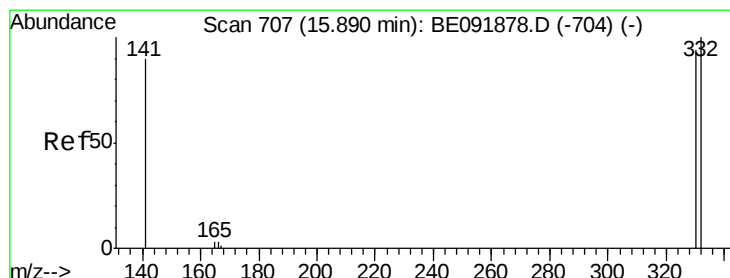
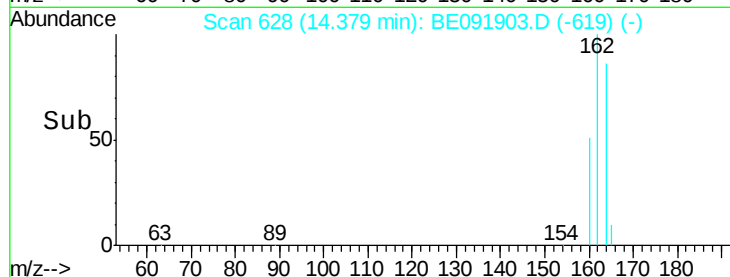
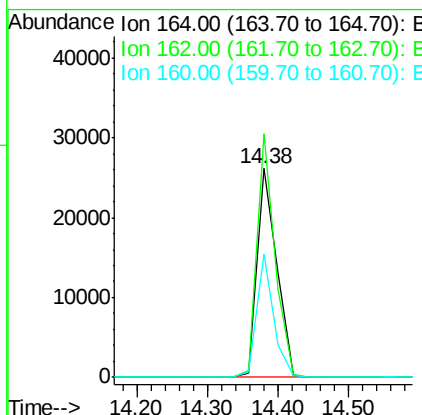
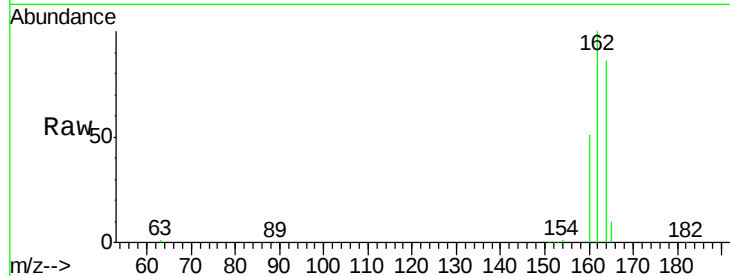




#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.38 min Scan# 628
Delta R.T. -0.00 min
Lab File: BE091903.D
Acq: 8 Jun 2016 16:19

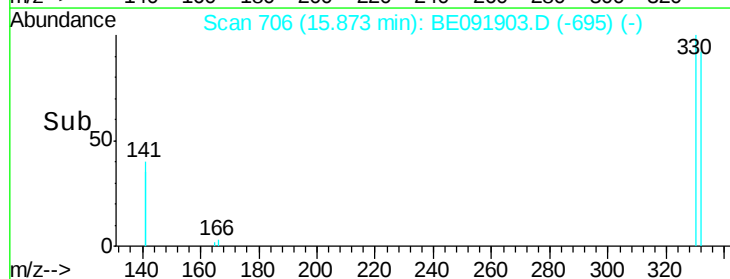
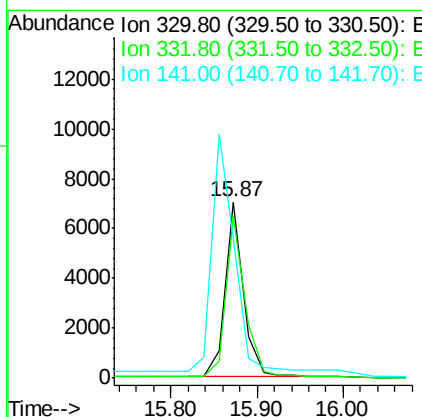
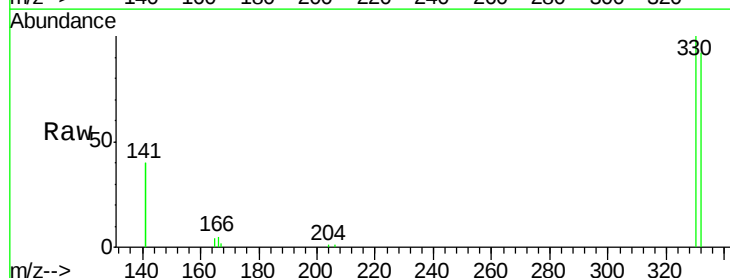
Instrument :
BNA_E
ClientSampleId :
PB91035BSD

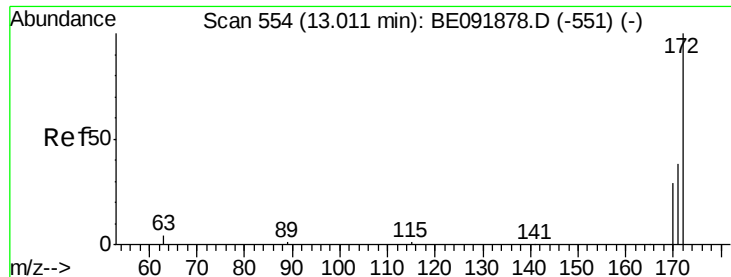
Tgt Ion:164 Resp: 50643
Ion Ratio Lower Upper
164 100
162 116.6 71.8 107.8#
160 59.2 28.0 42.0#



#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

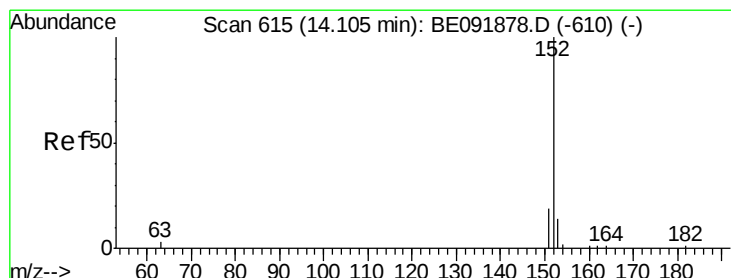
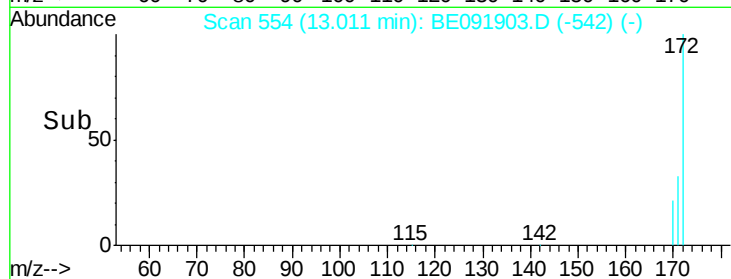
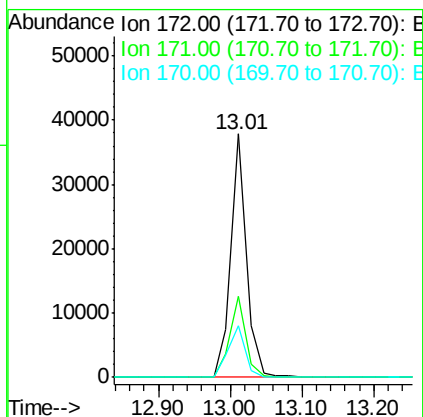
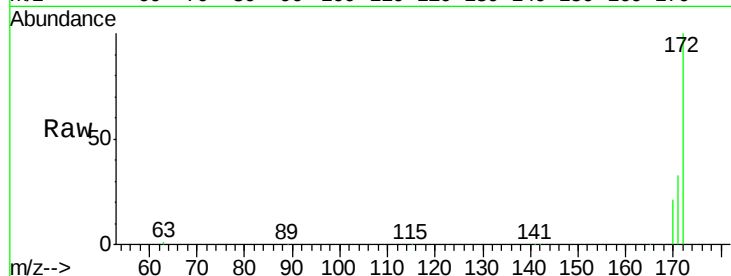




#17
 2-Fluorobiphenyl
 Concen: 3.67 ng
 RT: 13.01 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BE091903.D
 Acq: 8 Jun 2016 16:19

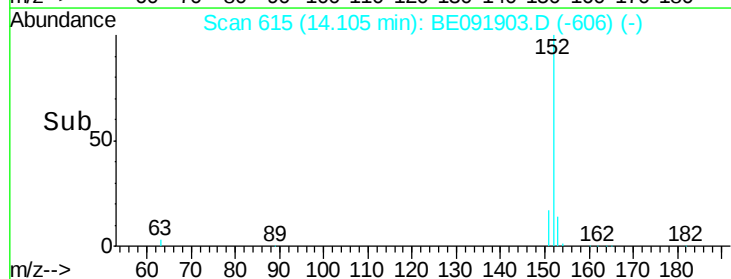
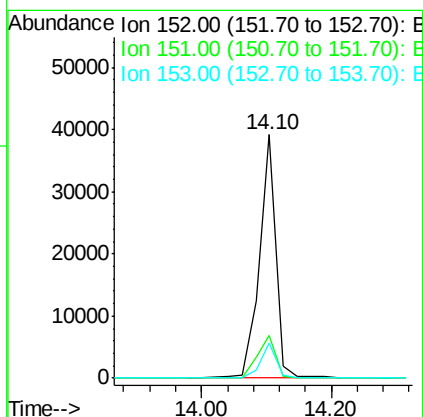
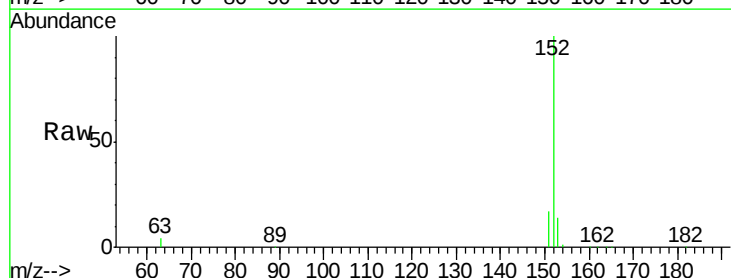
Instrument :
 BNA_E
 ClientSampleId :
 PB91035BSD

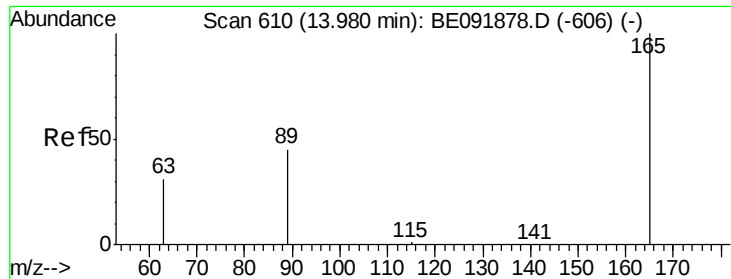
Tgt Ion:172 Resp: 56348
 Ion Ratio Lower Upper
 172 100
 171 33.3 24.3 36.5
 170 21.3 14.9 22.3



#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#

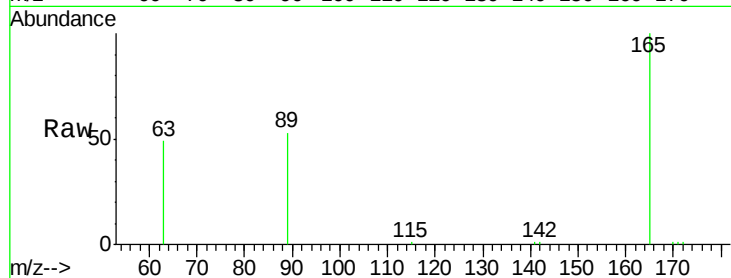




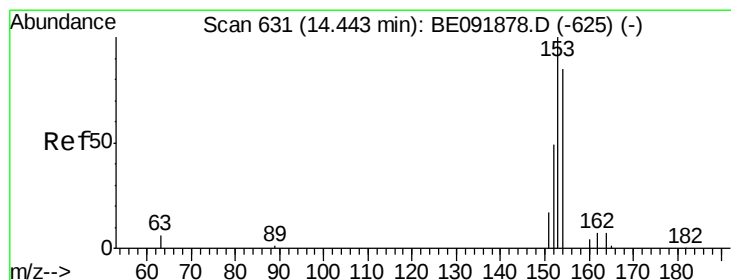
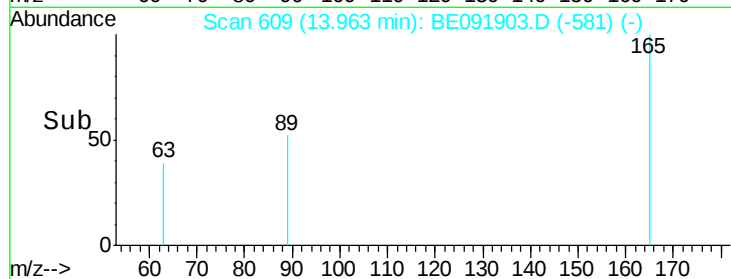
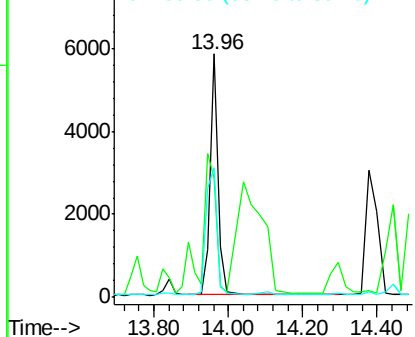
#19
2,6-Dinitrotoluene
Concen: 3.09 ng
RT: 13.96 min Scan# 609
Delta R.T. -0.02 min
Lab File: BE091903.D
Acq: 8 Jun 2016 16:19

Instrument :
BNA_E
ClientSampleId :
PB91035BSD

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

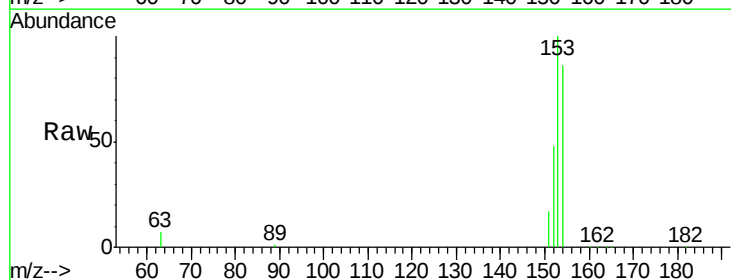


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0

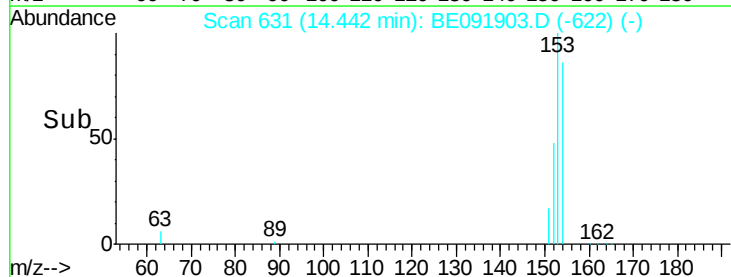
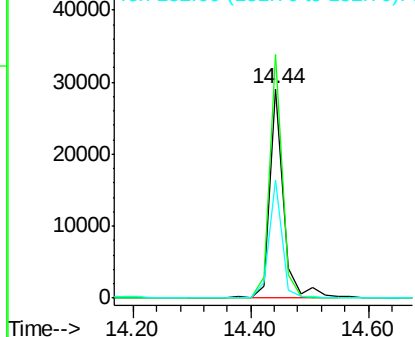


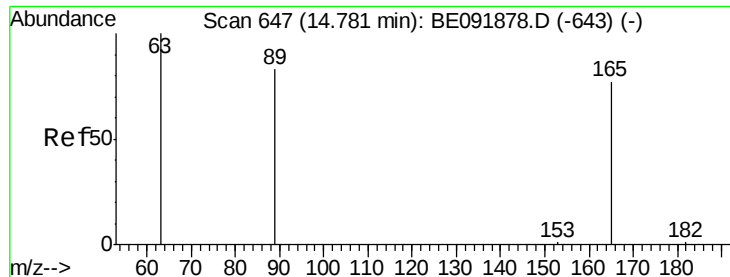
#20
Acenaphthene
Concen: 3.39 ng
RT: 14.44 min Scan# 631
Delta R.T. -0.00 min
Lab File: BE091903.D
Acq: 8 Jun 2016 16:19

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



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

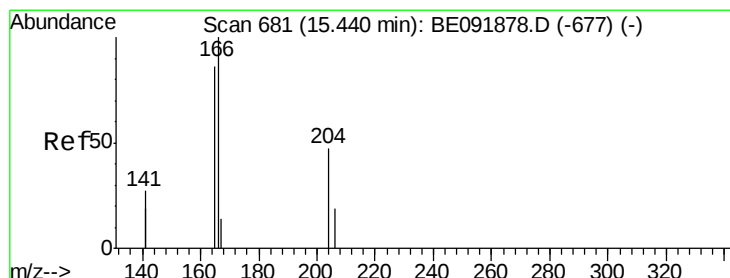
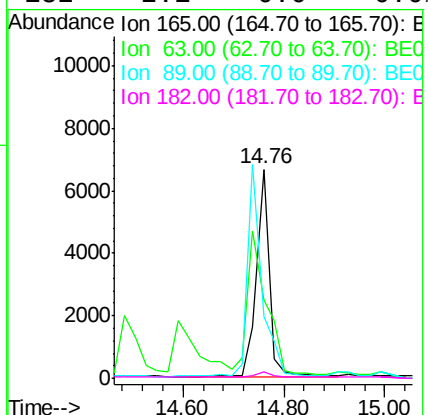
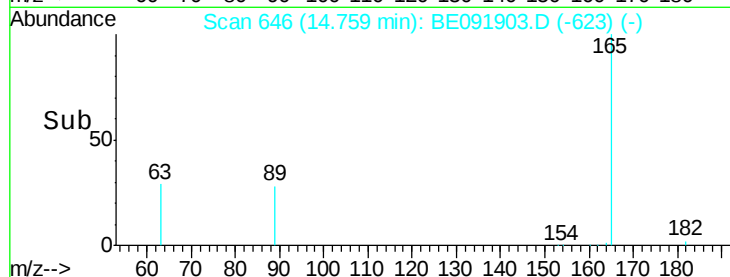
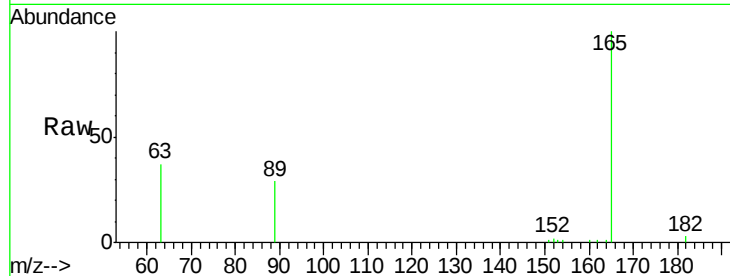




#21
2,4-Dinitrotoluene
Concen: 3.00 ng
RT: 14.76 min Scan# 646
Delta R.T. -0.02 min
Lab File: BE091903.D
Acq: 8 Jun 2016 16:19

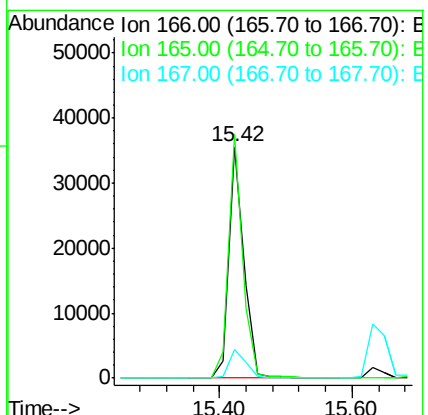
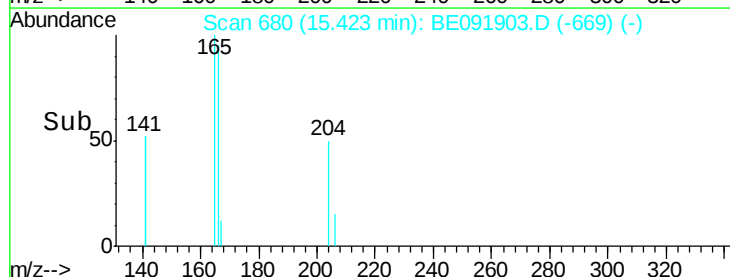
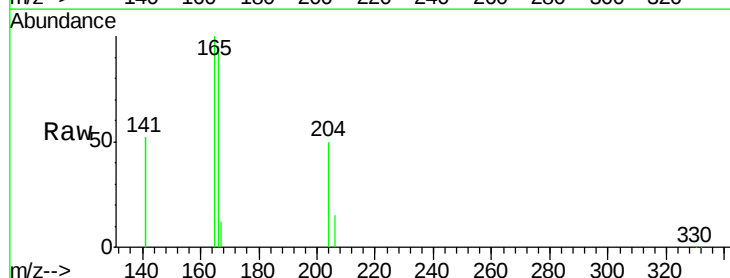
Instrument :
BNA_E
ClientSampleId :
PB91035BSD

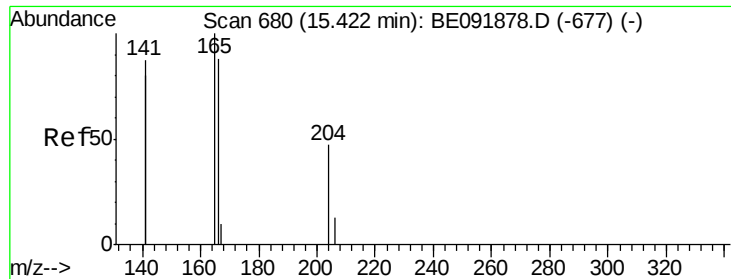
Tgt Ion:165 Resp: 11552
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 0.0 99.8 149.8#
182 2.1 0.0 0.0#



#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

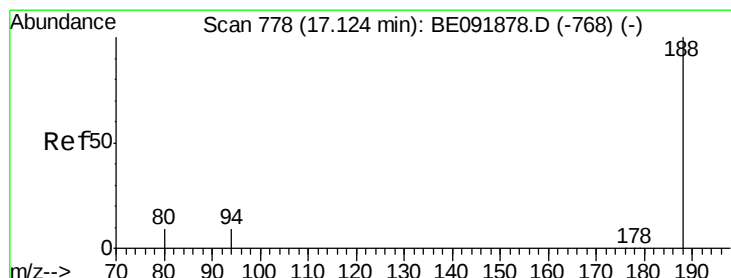
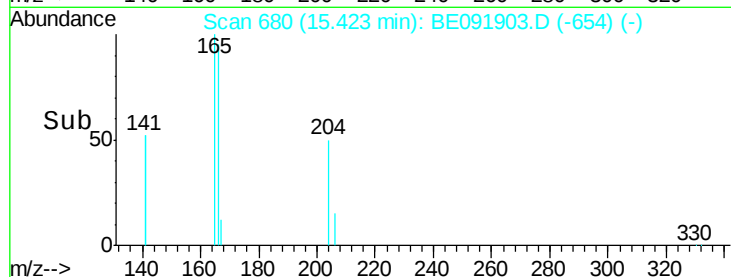
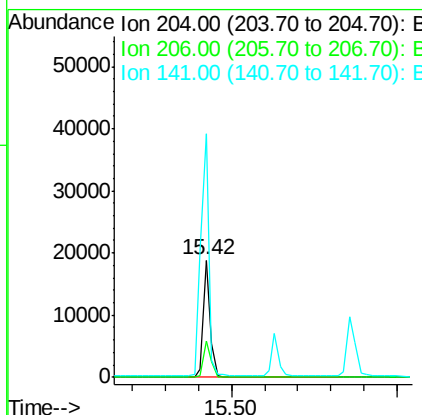
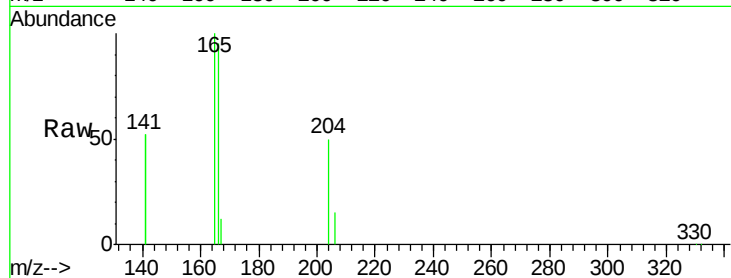




#23
 4-Chlorophenyl-phenylether
 Concen: 3.22 ng
 RT: 15.42 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: BE091903.D
 Acq: 8 Jun 2016 16:19

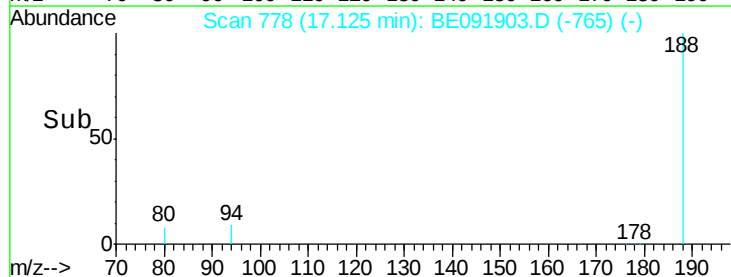
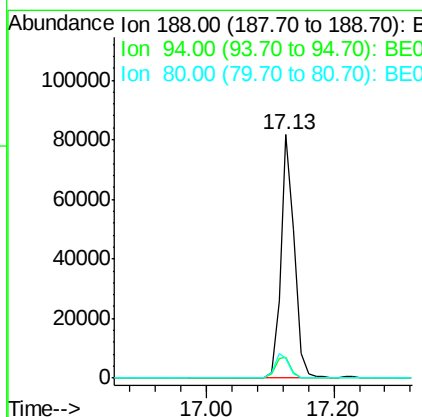
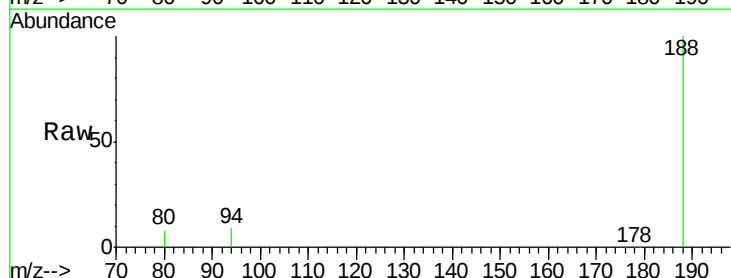
Instrument :
 BNA_E
 ClientSampleId :
 PB91035BSD

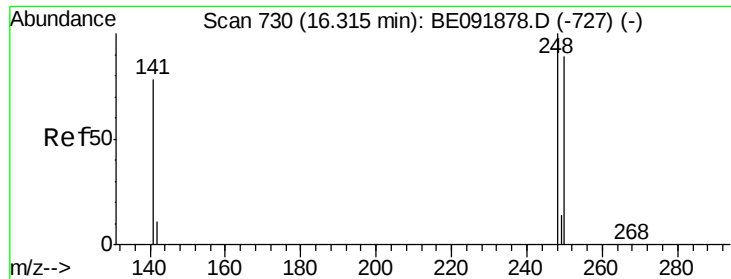
Tgt Ion: 204 Resp: 27019
 Ion Ratio Lower Upper
 204 100
 206 33.2 27.8 41.6
 141 240.7 197.6 296.4



#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

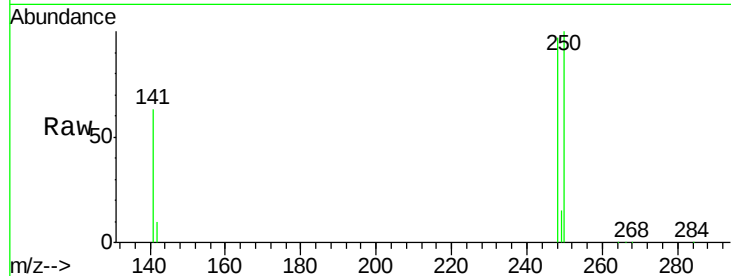
Tgt Ion:248 Resp: 15372

Ion Ratio Lower Upper

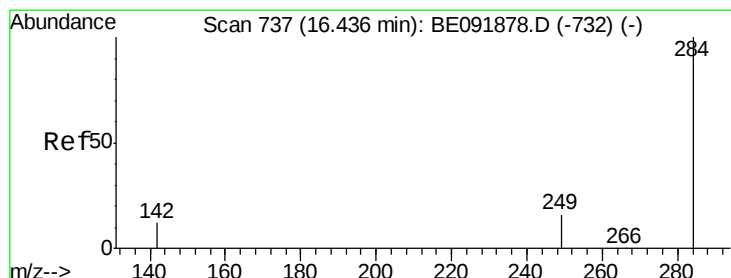
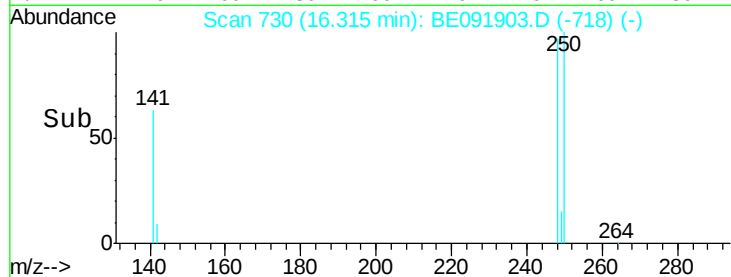
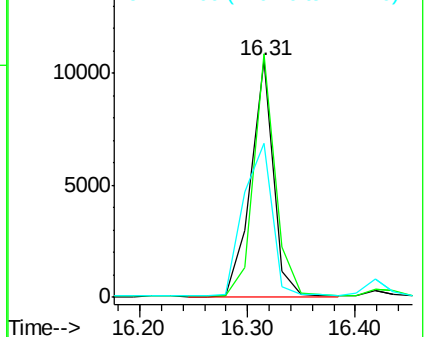
248 100

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

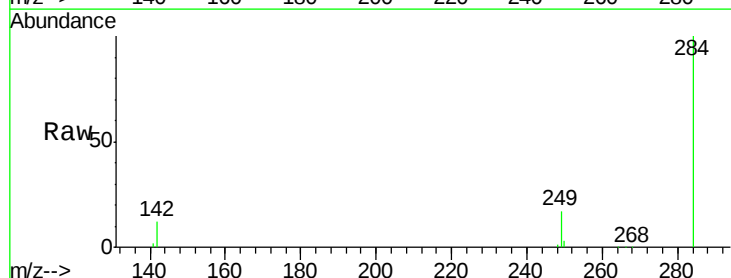
Tgt Ion:284 Resp: 16165

Ion Ratio Lower Upper

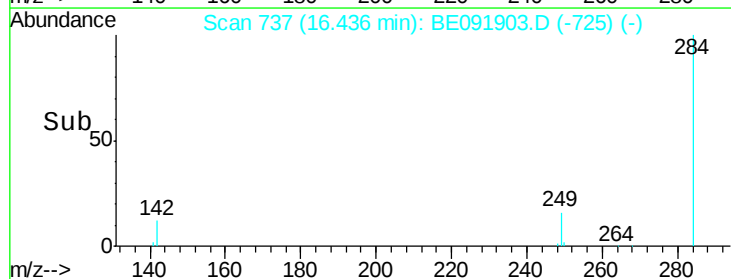
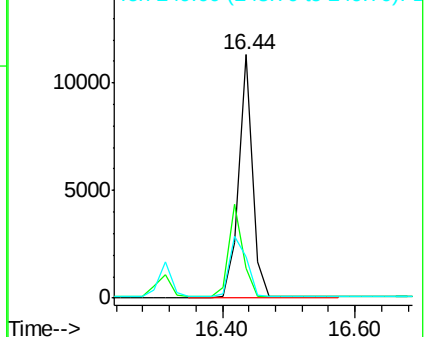
284 100

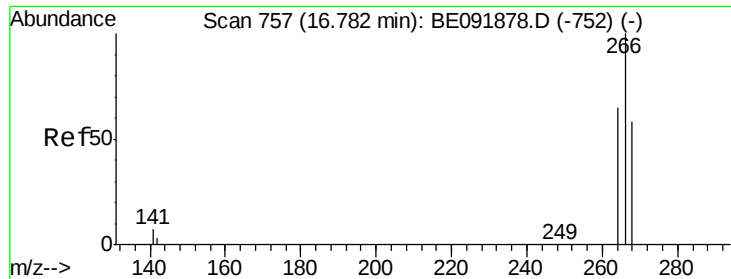
142 39.3 31.4 47.2

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

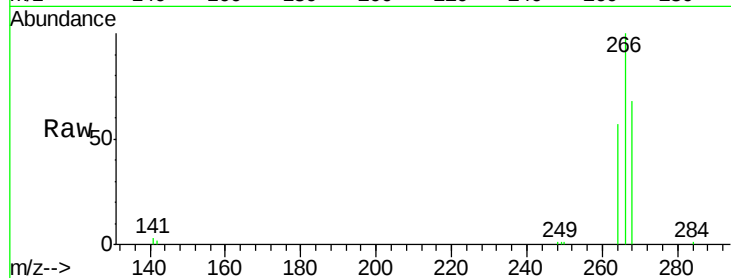
Tgt Ion:266 Resp: 14569

Ion Ratio Lower Upper

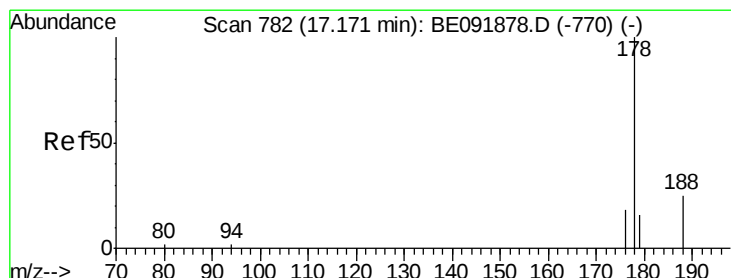
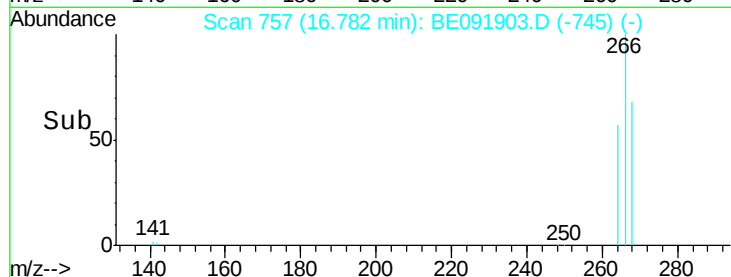
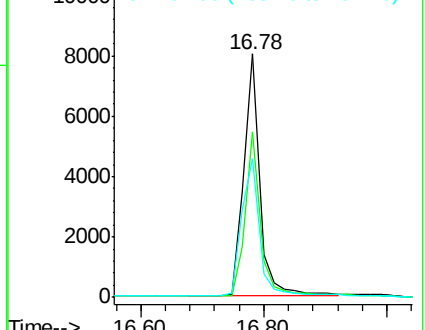
266 100

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

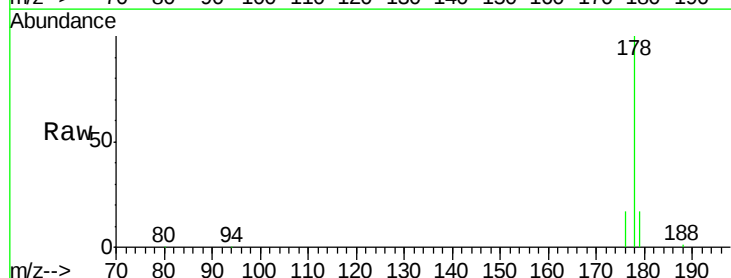
Tgt Ion:178 Resp: 94439

Ion Ratio Lower Upper

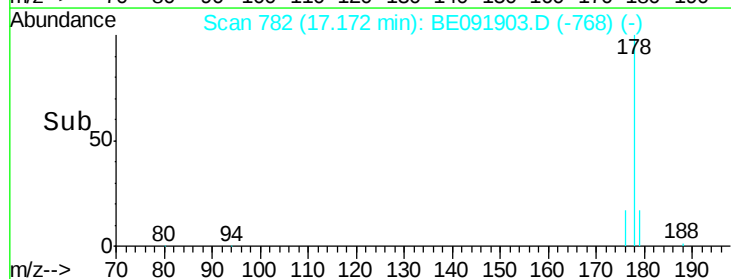
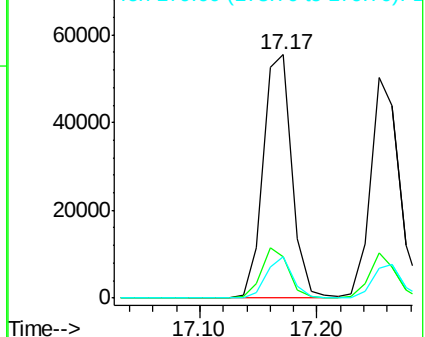
178 100

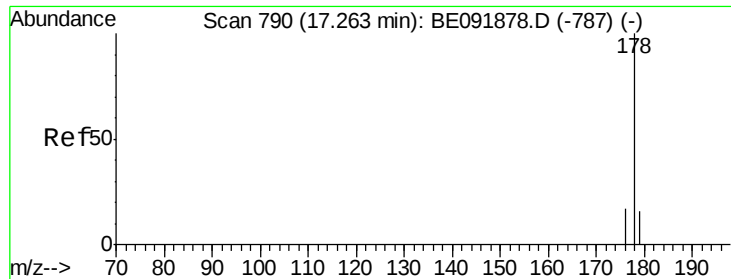
176 19.3 15.4 23.2

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

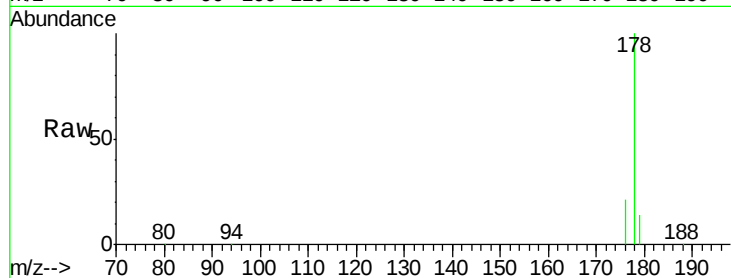
Tgt Ion:178 Resp: 86605

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

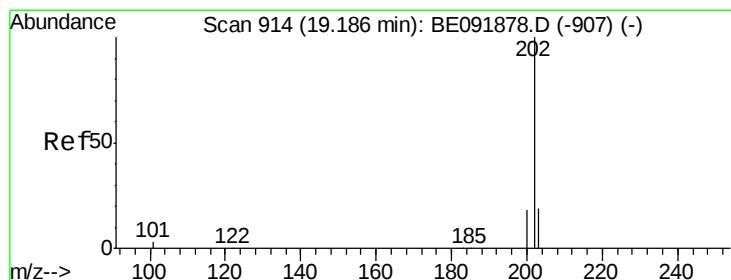
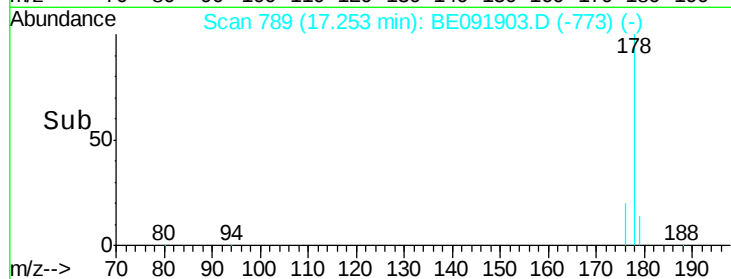
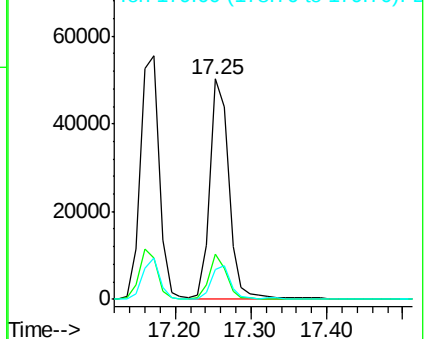
179 15.5 12.1 18.1



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: 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

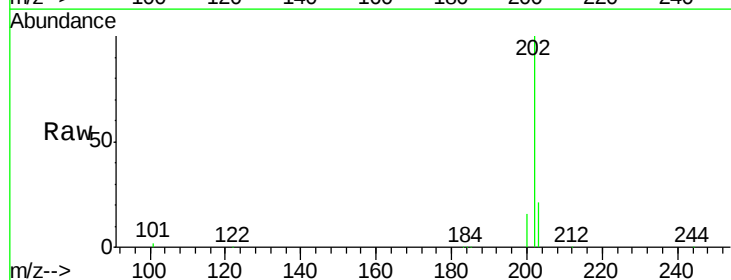
Tgt Ion:202 Resp: 95871

Ion Ratio Lower Upper

202 100

101 12.1 9.4 14.0

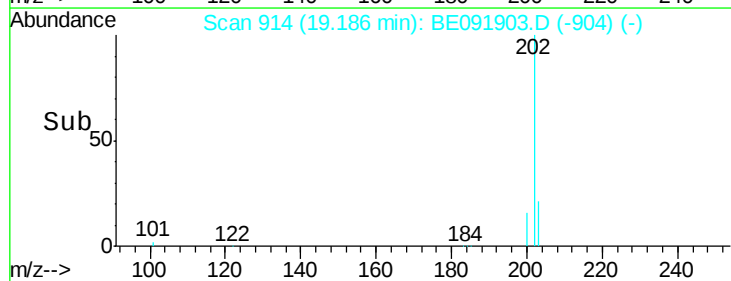
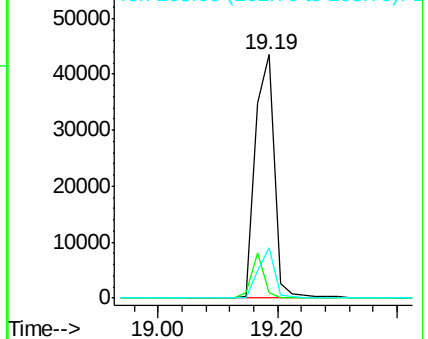
203 17.8 14.3 21.5

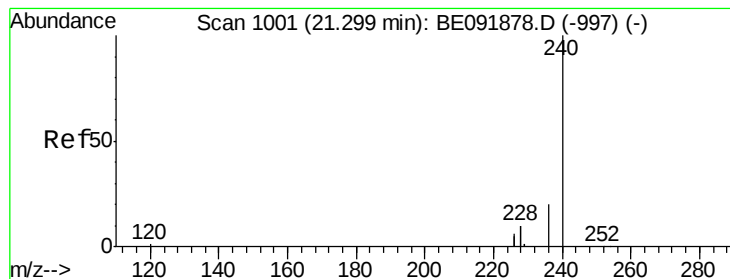


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.30 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

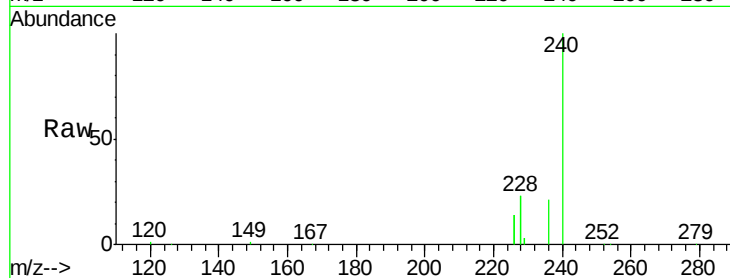
Tgt Ion:240 Resp: 125026

Ion Ratio Lower Upper

240 100

120 0.6 1.2 1.8#

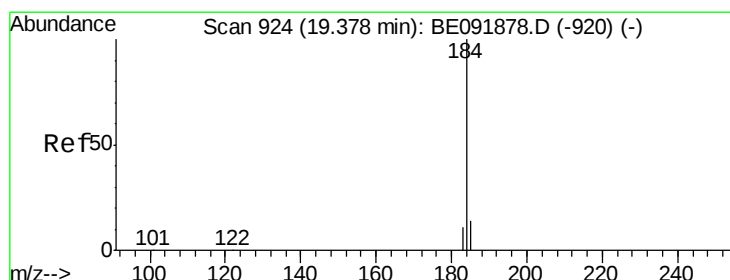
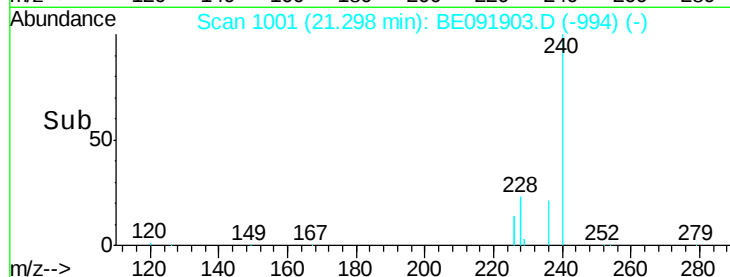
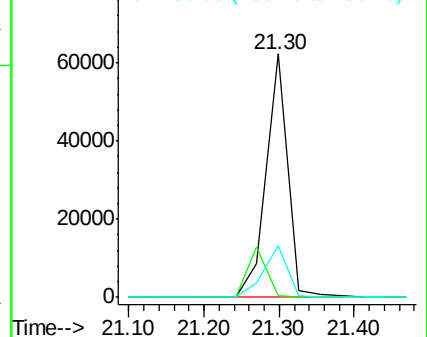
236 21.4 19.8 29.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#32

Benzidine

Concen: 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

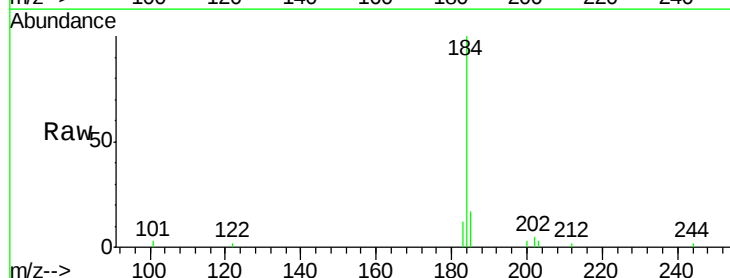
Tgt Ion:184 Resp: 6942

Ion Ratio Lower Upper

184 100

185 17.5 11.4 17.2#

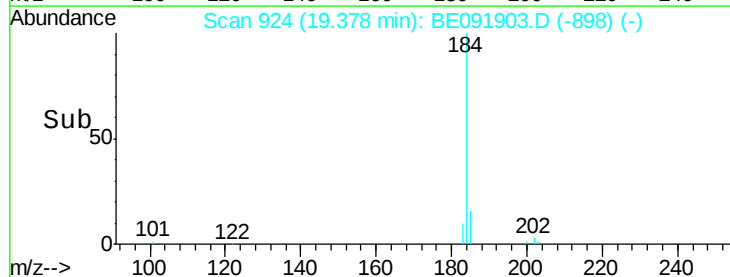
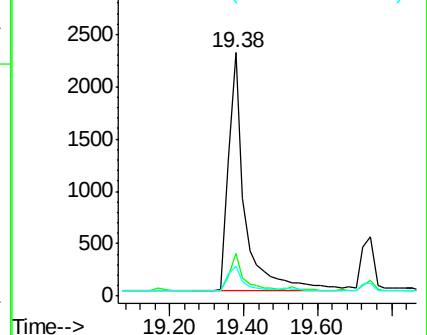
183 12.0 11.8 17.6

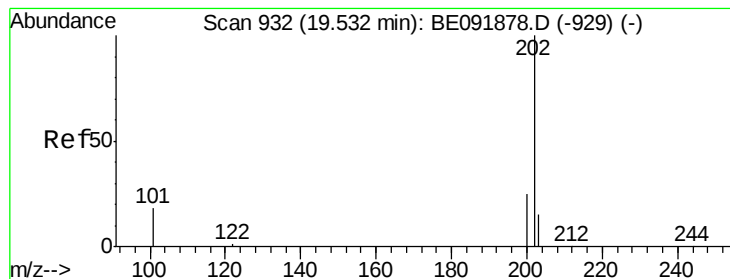


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 3.24 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

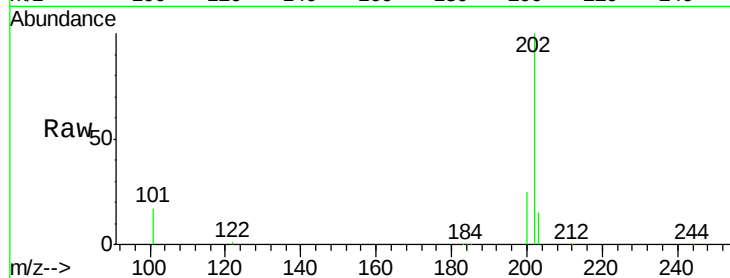
Tgt Ion:202 Resp: 102253

Ion Ratio Lower Upper

202 100

200 21.7 16.9 25.3

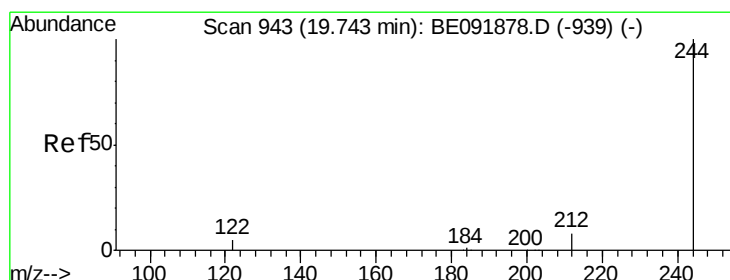
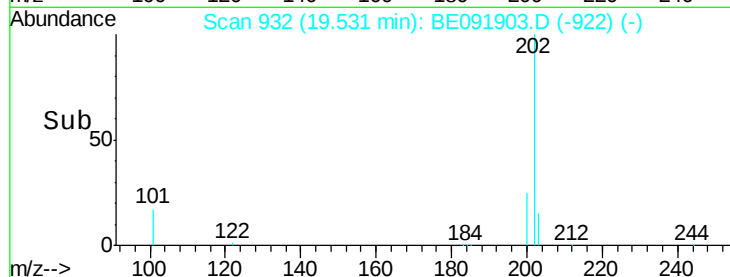
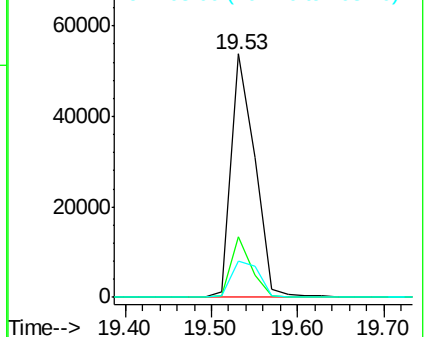
203 17.9 14.1 21.1



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

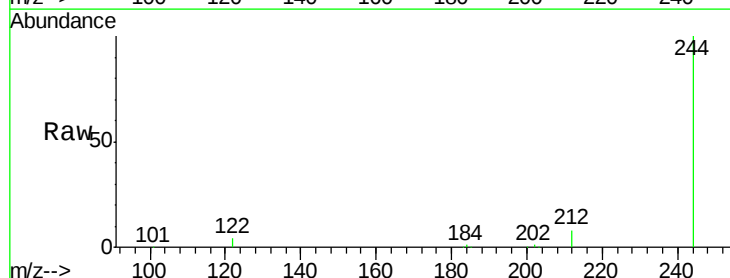
Tgt Ion:244 Resp: 72984

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

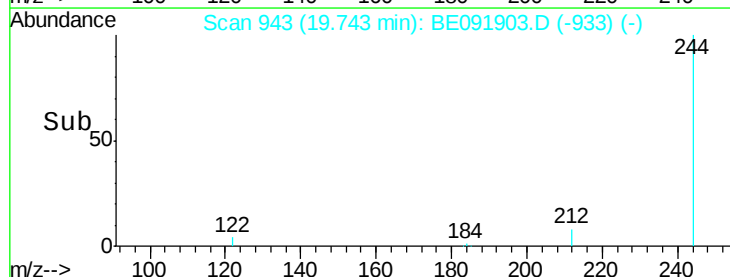
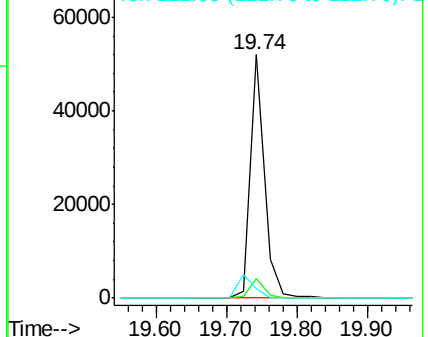
122 4.1 2.9 4.3

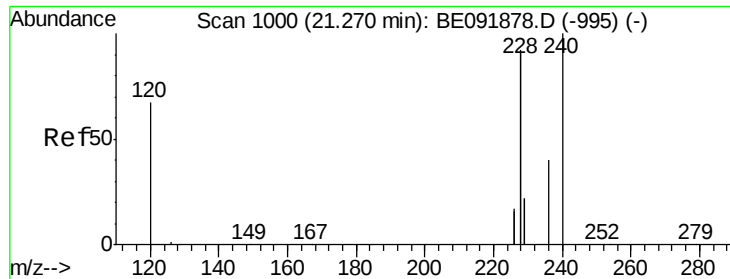


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 6.19 ng

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

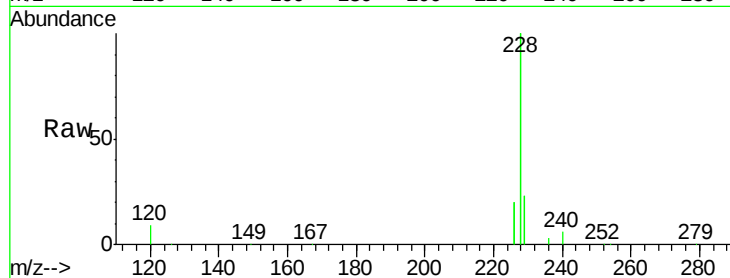
Tgt Ion:228 Resp: 940323

Ion Ratio Lower Upper

228 100

226 20.2 21.0 31.4#

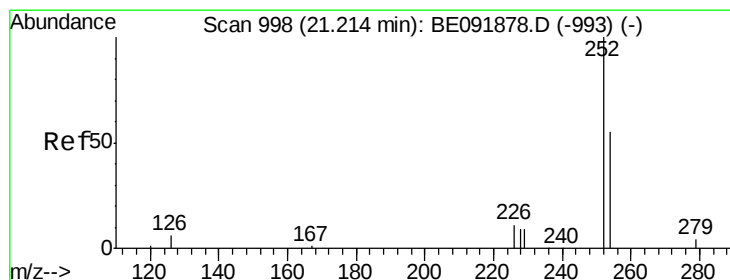
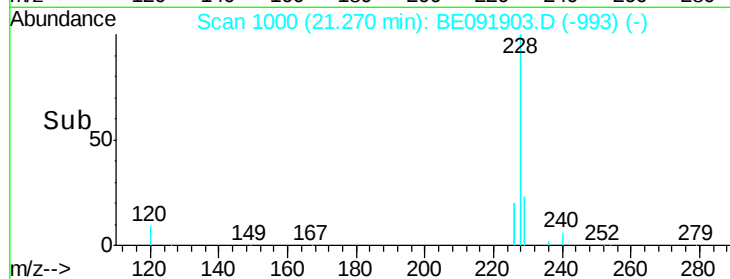
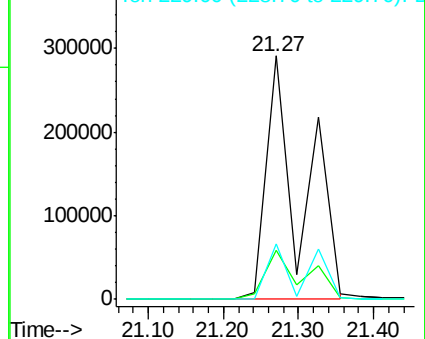
229 22.8 15.8 23.8



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

RT: 21.21 min Scan# 998

Delta R.T. 0.00 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

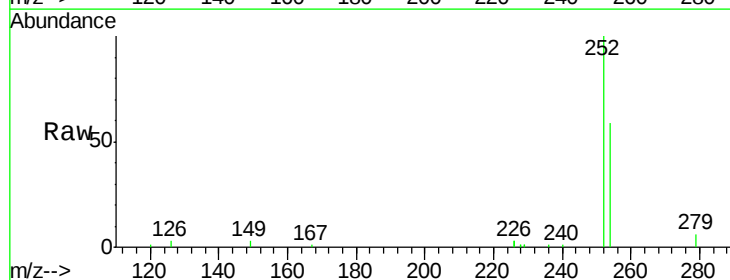
Tgt Ion:252 Resp: 22493

Ion Ratio Lower Upper

252 100

254 59.1 61.5 92.3#

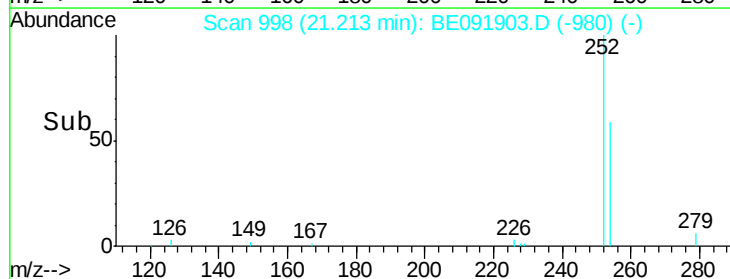
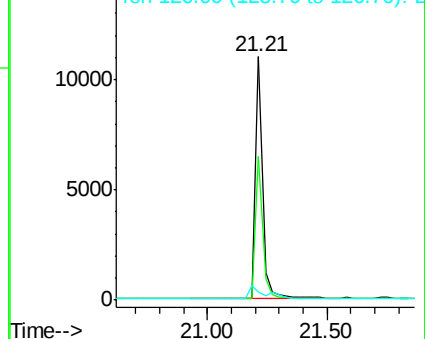
126 3.2 2.5 3.7

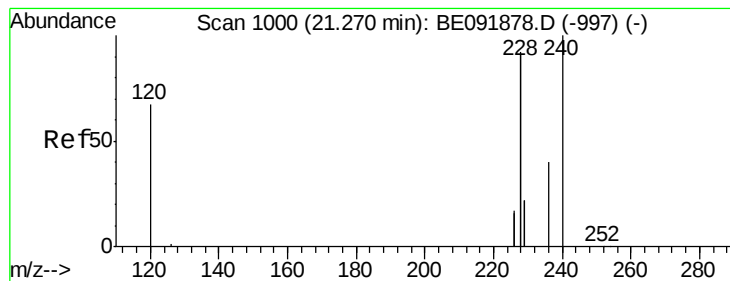


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 7.44 ng

RT: 21.27 min Scan# 1000

Delta R.T. -0.06 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

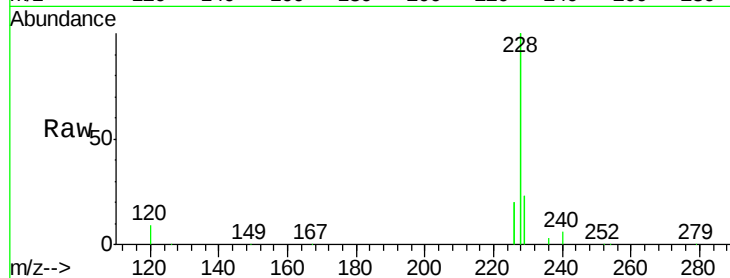
Tgt Ion:228 Resp: 947852

Ion Ratio Lower Upper

228 100

226 20.2 27.0 40.6#

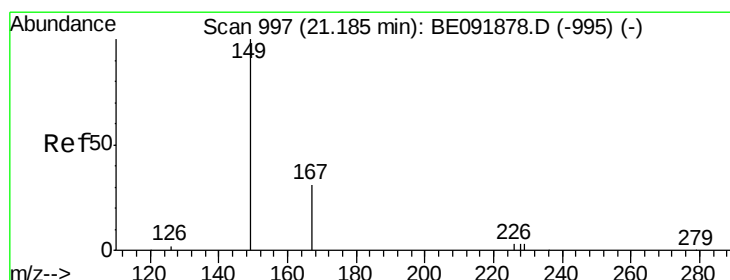
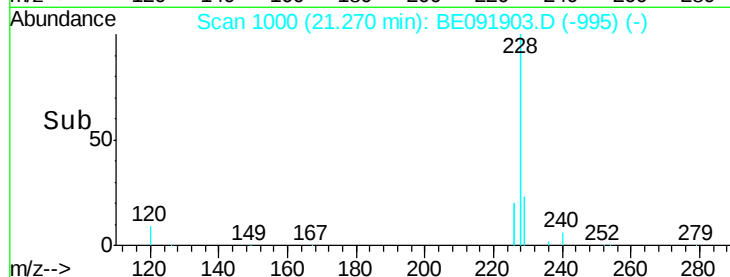
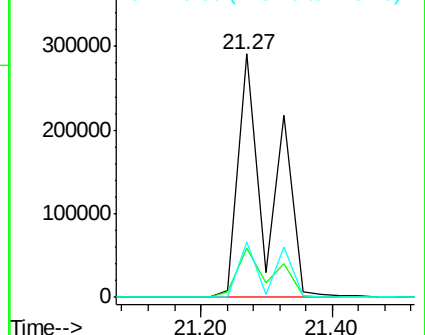
229 22.8 13.8 20.8#



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

RT: 21.18 min Scan# 997

Delta R.T. -0.00 min

Lab File: BE091903.D

Acq: 8 Jun 2016 16:19

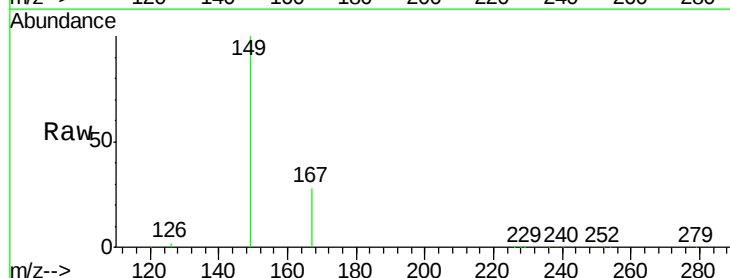
Tgt Ion:149 Resp: 62552

Ion Ratio Lower Upper

149 100

167 27.7 0.0 0.0#

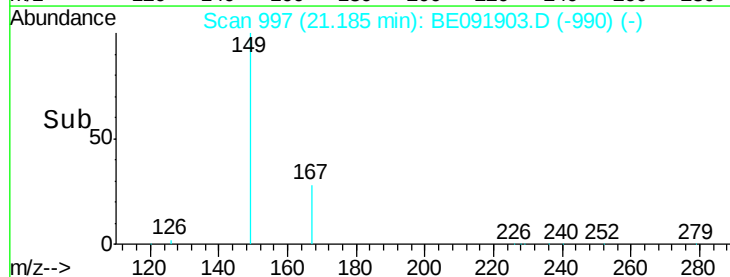
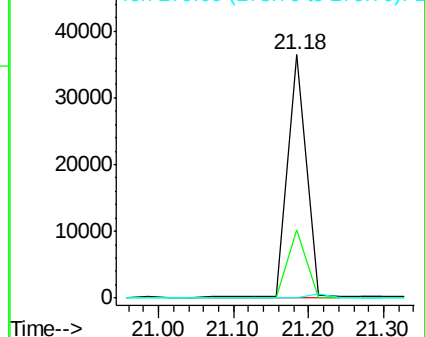
279 0.0 0.0 0.0

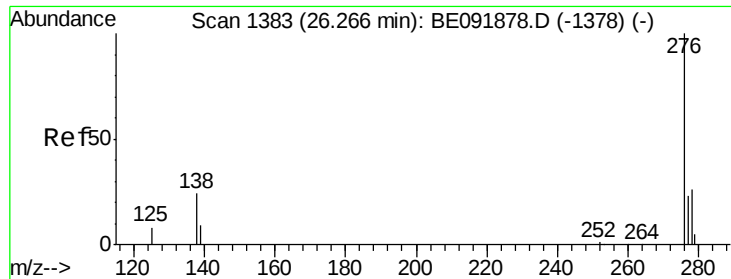


Abundance Ion 149.00 (148.70 to 149.70): E

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

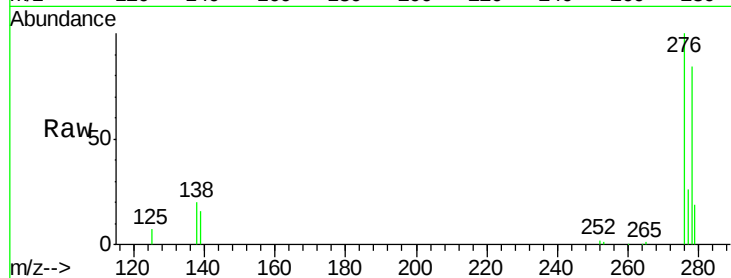
Tgt Ion:276 Resp: 159309

Ion Ratio Lower Upper

276 100

138 0.0 19.7 29.5#

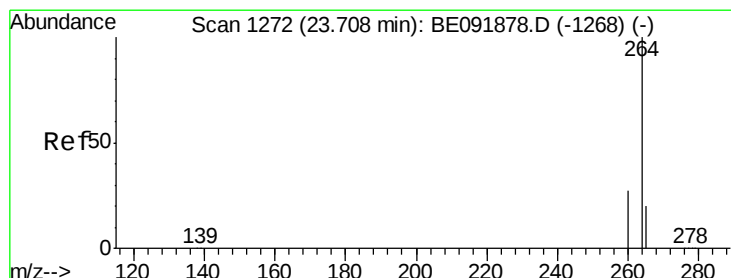
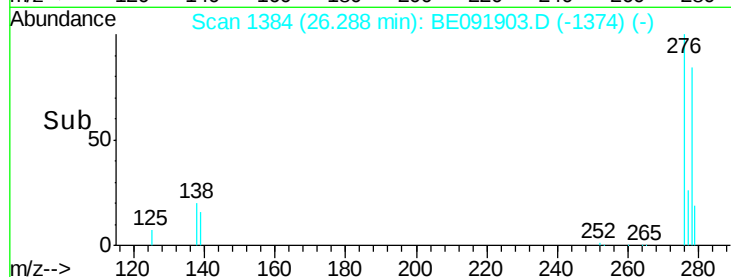
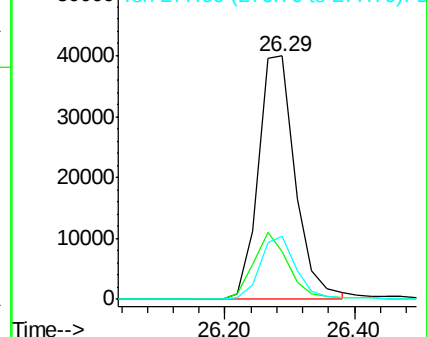
277 25.0 20.1 30.1



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

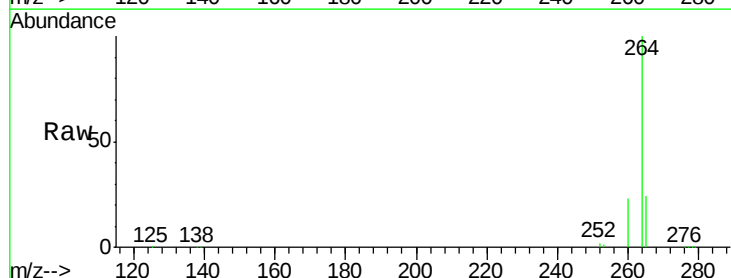
Tgt Ion:264 Resp: 156477

Ion Ratio Lower Upper

264 100

260 22.6 20.3 30.5

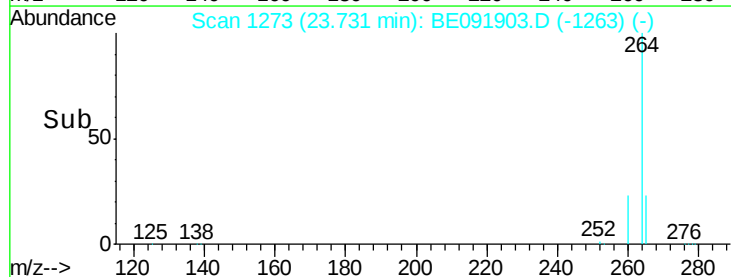
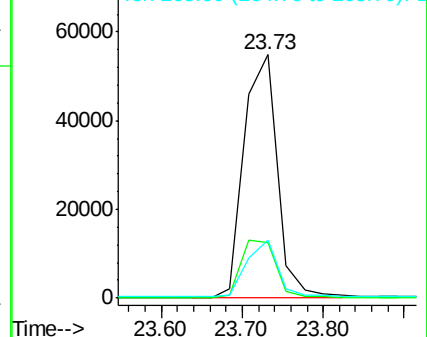
265 23.9 17.6 26.4

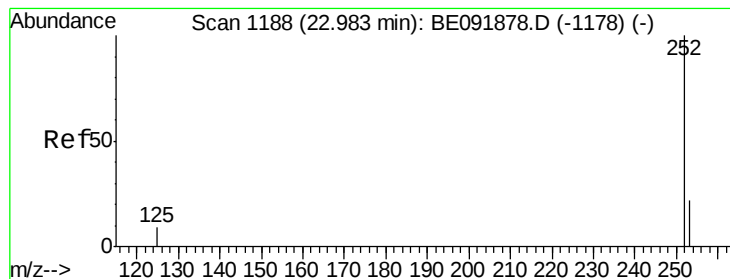


Abundance Ion 264.00 (263.70 to 264.70): E

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

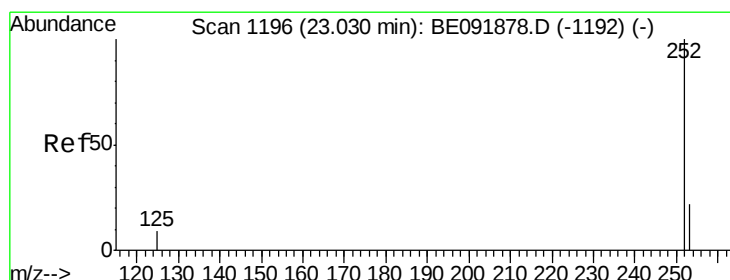
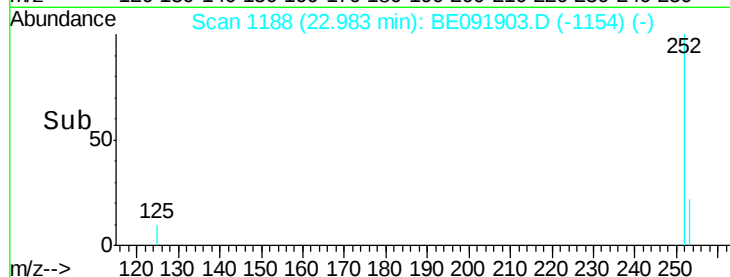
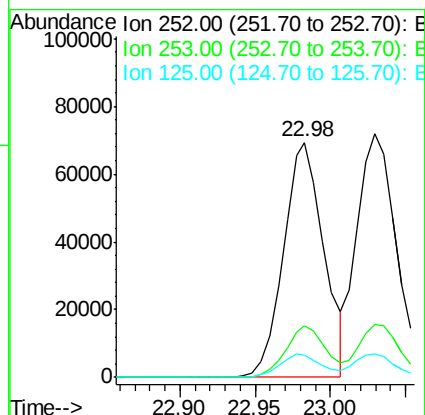
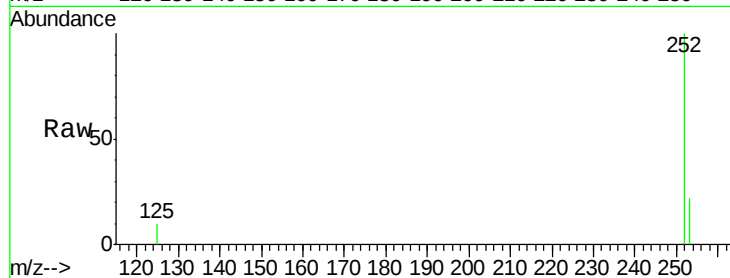
Tgt Ion: 252 Resp: 128726

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

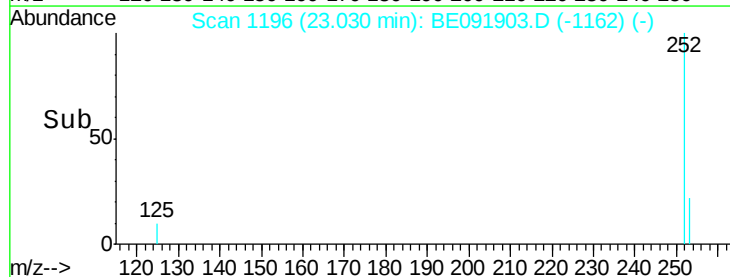
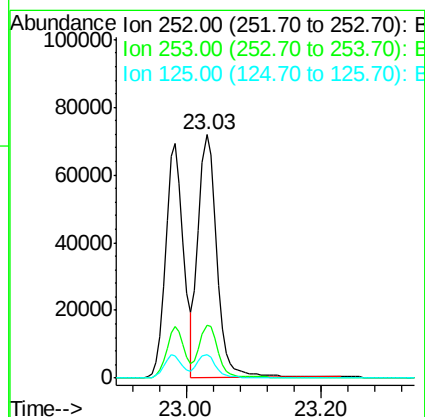
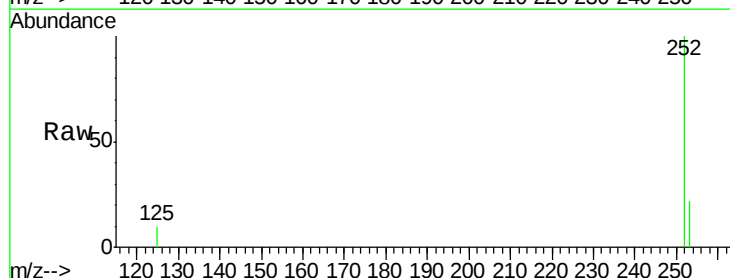
Tgt Ion: 252 Resp: 134924

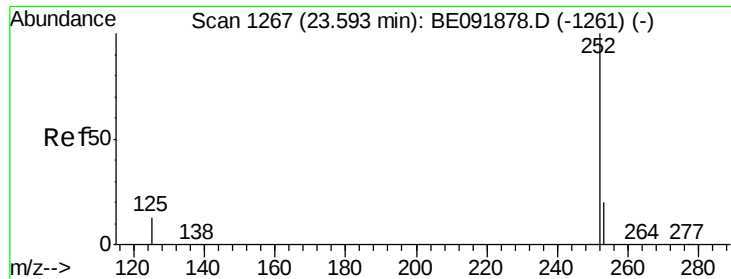
Ion Ratio Lower Upper

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

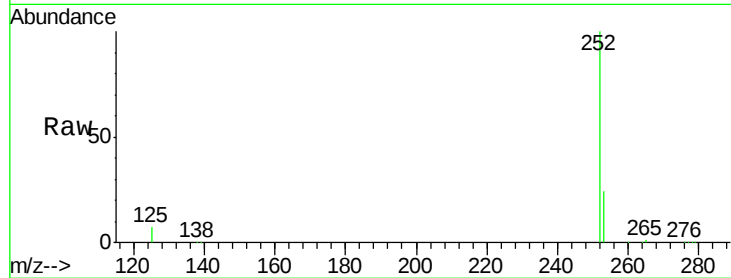
Tgt Ion: 252 Resp: 127488

Ion Ratio Lower Upper

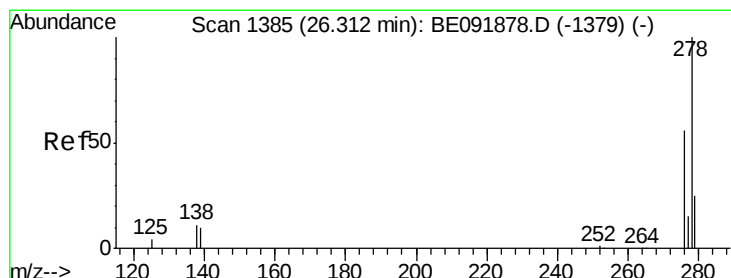
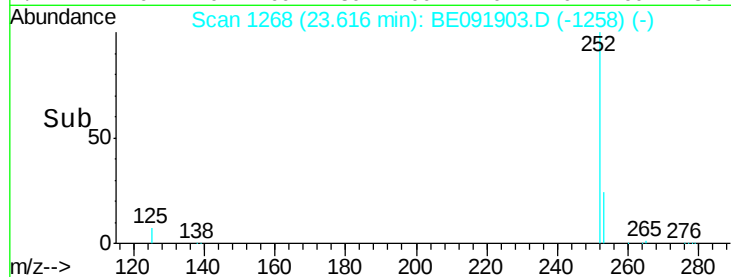
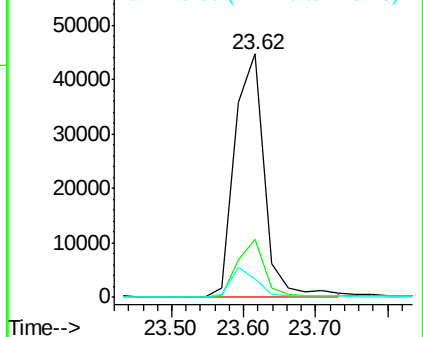
252 100

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

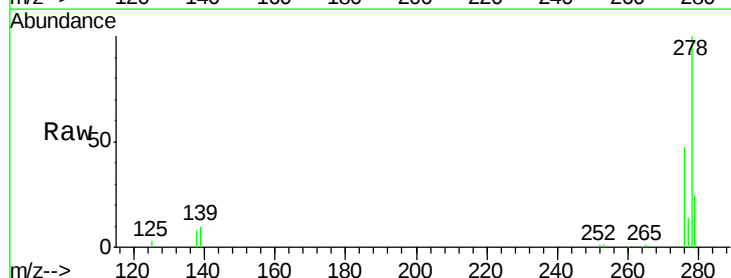
Tgt Ion: 278 Resp: 134769

Ion Ratio Lower Upper

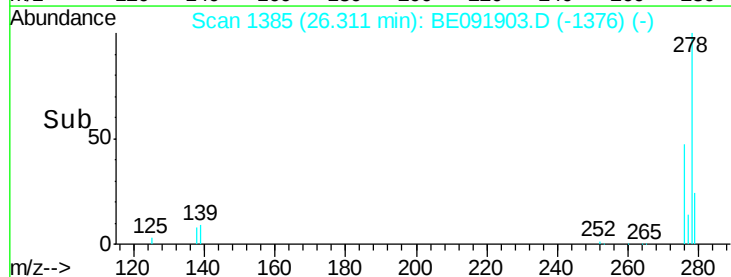
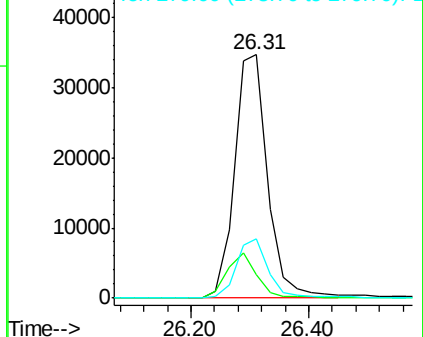
278 100

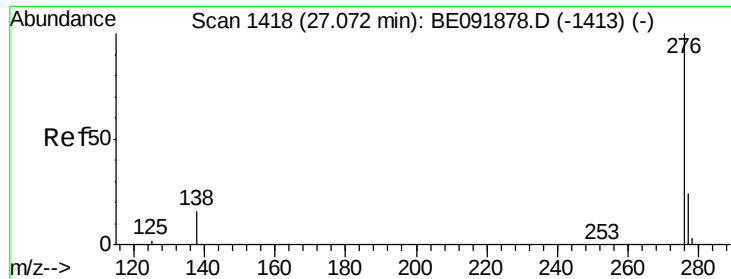
139 9.6 12.6 18.8#

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(g,h,i)perylene

Concen: 3.99 ng

RT: 27.07 min Scan# 1418

Delta R.T. -0.00 min

Lab File: BE091903.D

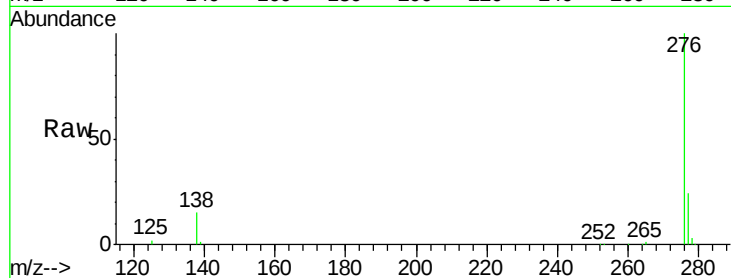
Acq: 8 Jun 2016 16:19

Instrument :

BNA_E

ClientSampleId :

PB91035BSD



Tgt Ion: 276 Resp: 139695

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

