

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060816\
 Data File : BE091902.D
 Acq On : 8 Jun 2016 15:40
 Operator : UM/SJ
 Sample : PB91035BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91035BS

Quant Time: Jun 09 04:49:50 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	26717	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	111058	5.00	ng	0.00
15) Acenaphthene-d10	14.38	164	56015	5.00	ng	0.00
24) Phenanthrene-d10	17.12	188	151082	5.00	ng	0.00
31) Chrysene-d12	21.30	240	111985	5.00	ng	0.00
40) Perylene-d12	23.71	264	161525	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	38282	6.72	ng	0.00
5) Phenol-d6	6.94	99	48698	6.90	ng	-0.02
9) Nitrobenzene-d5	8.91	82	29550	3.54	ng	-0.02
16) 2,4,6-Tribromophenol	15.87	330	11017	6.90	ng	-0.02
17) 2-Fluorobiphenyl	13.01	172	60186	3.54	ng	0.00
34) Terphenyl-d14	19.74	244	77614	-5.00	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.31	88	9918	2.79	ng	# 79
3) n-Nitrosodimethylamine	3.61	42	13675	3.06	ng	# 94
6) bis(2-Chloroethyl)ether	7.20	93	23524	3.08	ng	97
7) n-Nitroso-di-n-propylamine	8.54	70	16504	2.73	ng	# 90
10) Nitrobenzene	8.96	77	24843	3.27	ng	# 66
11) bis(2-Chloroethoxy)methane	9.95	93	35821	3.18	ng	# 39
12) Naphthalene	10.59	128	75578	3.15	ng	97
13) Hexachlorobutadiene	10.88	225	11612	3.25	ng	99
14) 2-Methylnaphthalene	12.20	142	49630	3.21	ng	97
18) Acenaphthylene	14.10	152	78002	3.08	ng	# 91
19) 2,6-Dinitrotoluene	13.96	165	11257	3.01	ng	96
20) Acenaphthene	14.44	154	49343	3.18	ng	96
21) 2,4-Dinitrotoluene	14.76	165	12018	2.83	ng	# 1
22) Fluorene	15.42	166	58245	3.07	ng	100
23) 4-Chlorophenyl-phenylether	15.42	204	27808	2.99	ng	97
25) 4-Bromophenyl-phenylether	16.31	248	16500	3.04	ng	97
26) Hexachlorobenzene	16.43	284	16759m	3.02	ng	
27) Pentachlorophenol	16.78	266	14675	5.52	ng	91
28) Phenanthrene	17.17	178	98507	2.82	ng	99
29) Anthracene	17.25	178	89872	2.88	ng	99
30) Fluoranthene	19.17	202	100423	2.66	ng	99
32) Benzidine	19.38	184	7519	0.92	ng	# 93
33) Pyrene	19.53	202	109944	3.89	ng	99
35) Benzo(a)anthracene	21.27	228	517012m	3.89	ng	
36) 3,3'-Dichlorobenzidine	21.21	252	23919	2.68	ng	# 83
37) Chrysene	21.33	228	326231m	2.86	ng	
38) Bis(2-ethylhexyl)phthalate	21.19	149	57648	2.85	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.27	276	161786	Below Cal		# 73
41) Benzo(b)fluoranthene	22.98	252	131082m	3.32	ng	
42) Benzo(k)fluoranthene	23.03	252	132873	3.24	ng	96
43) Benzo(a)pyrene	23.62	252	124782	3.37	ng	# 94
44) Dibenzo(a,h)anthracene	26.29	278	138730	4.02	ng	95
45) Benzo(a,h,i)perylene	27.07	276	143011	3.95	ng	# 93

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060816\
Data File : BE091902.D
Acq On : 8 Jun 2016 15:40
Operator : UM/SJ
Sample : PB91035BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB91035BS

Quant Time: Jun 09 04:49:50 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

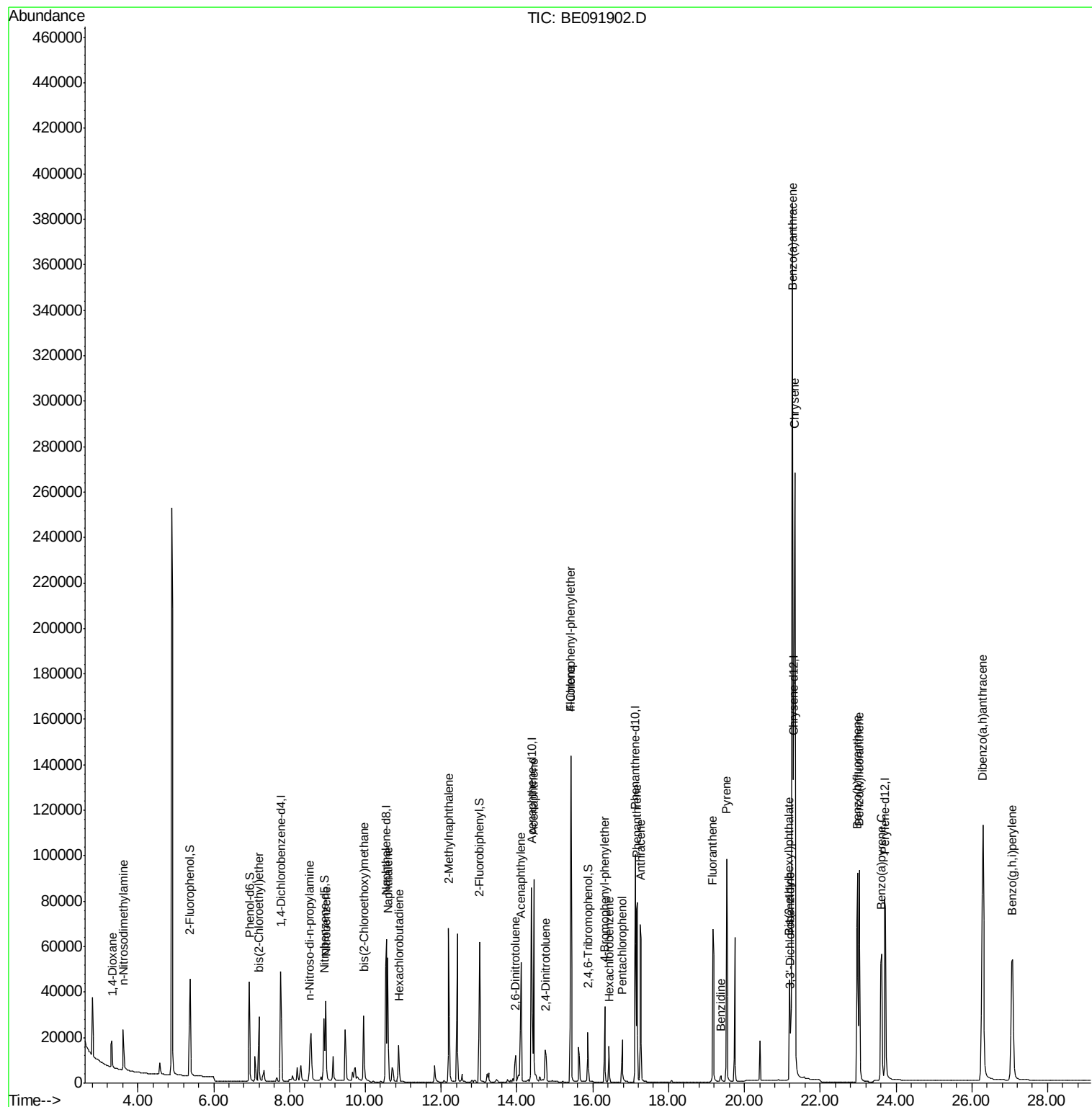
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

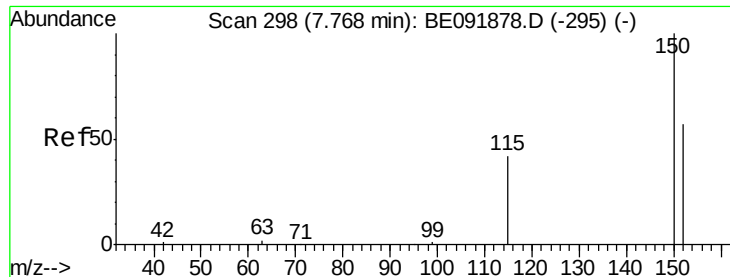
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060816\
Data File : BE091902.D
Acq On : 8 Jun 2016 15:40
Operator : UM/SJ
Sample : PB91035BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB91035BS

Quant Time: Jun 09 04:49:50 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.77 min Scan# 298

Delta R.T. -0.00 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

Instrument :

BNA_E

ClientSampleId :

PB91035BS

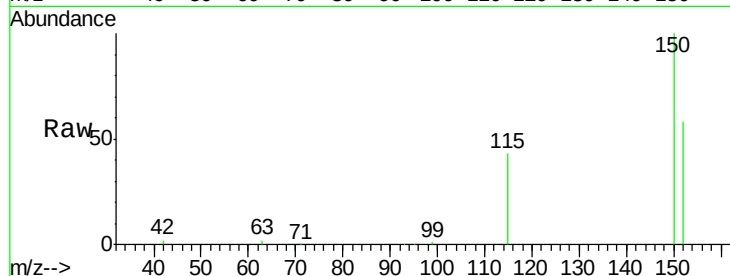
Tot Ion:152 Resp: 26717

Ion Ratio Lower Upper

152 100

150 173.9 123.9 185.9

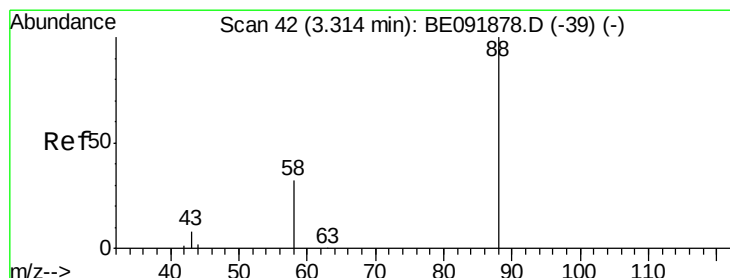
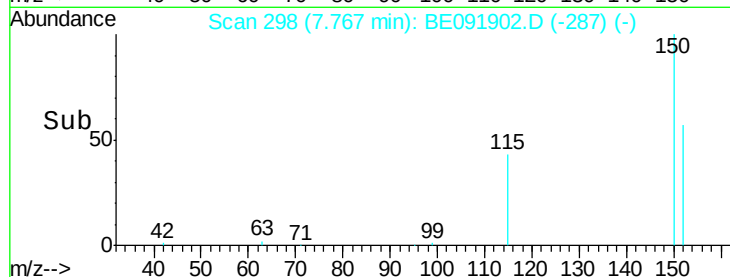
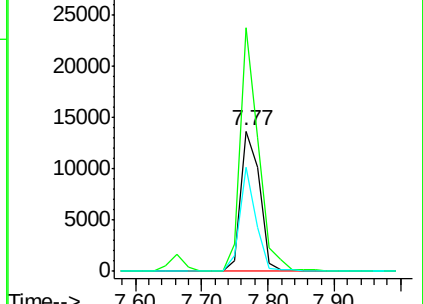
115 74.4 48.3 72.5#



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: 2.79 ng

RT: 3.31 min Scan# 42

Delta R.T. 0.00 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

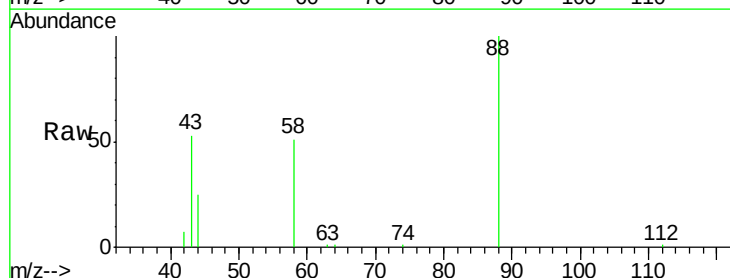
Tgt Ion: 88 Resp: 9918

Ion Ratio Lower Upper

88 100

58 89.6 63.0 94.4

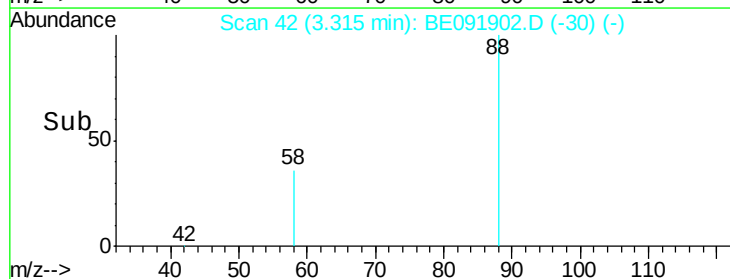
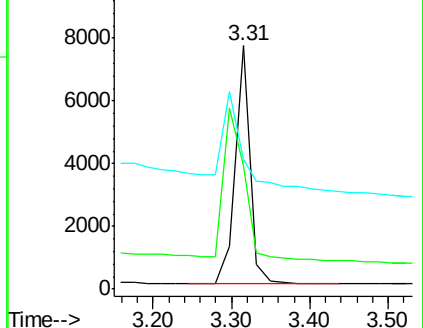
43 59.9 29.1 43.7#

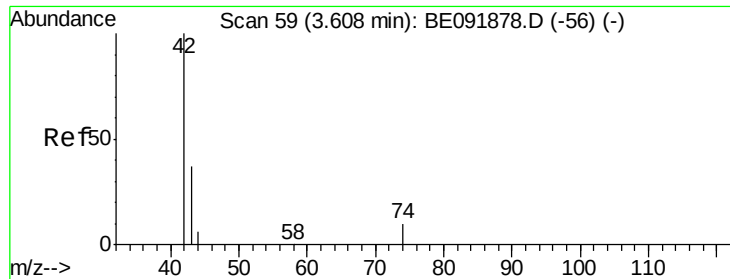


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.06 ng

RT: 3.61 min Scan# 59

Delta R.T. 0.00 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

Instrument :

BNA_E

ClientSampleId :

PB91035BS

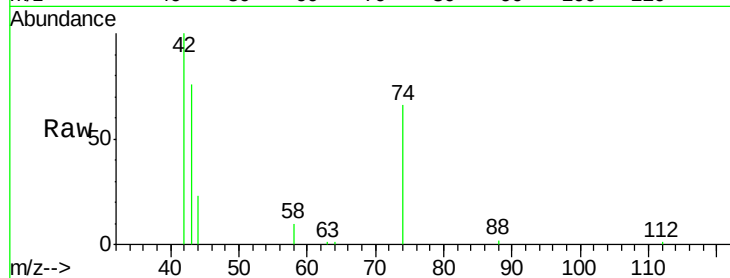
Tot Ion: 42 Resp: 13675

Ion Ratio Lower Upper

42 100

74 110.1 93.4 140.0

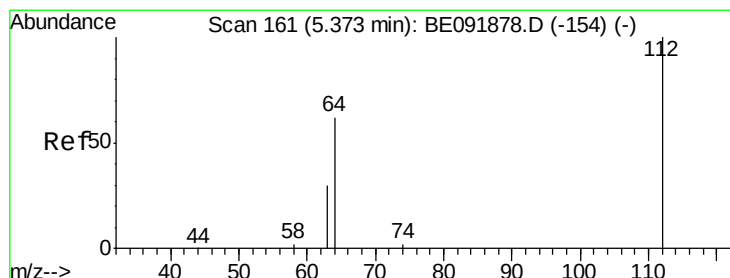
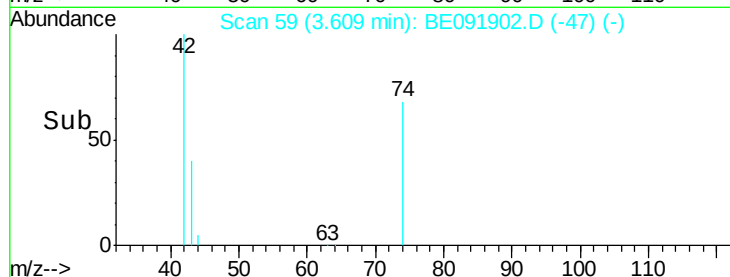
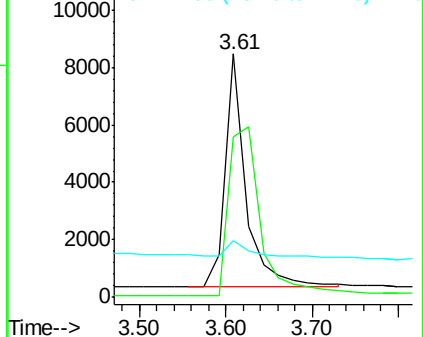
44 9.0 5.0 7.6#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 6.72 ng

RT: 5.37 min Scan# 161

Delta R.T. 0.00 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

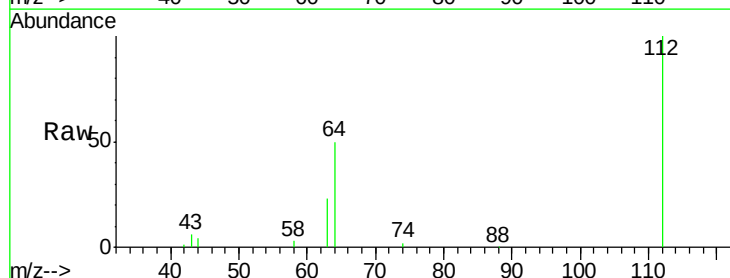
Tgt Ion: 112 Resp: 38282

Ion Ratio Lower Upper

112 100

64 65.8 53.7 80.5

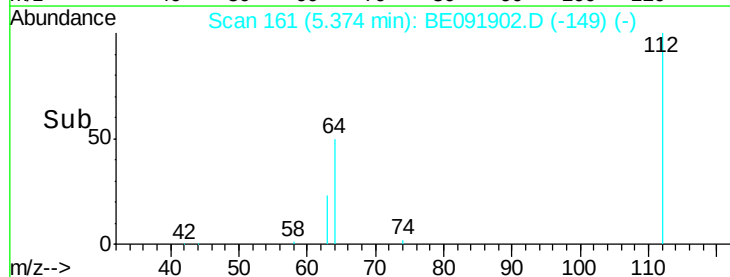
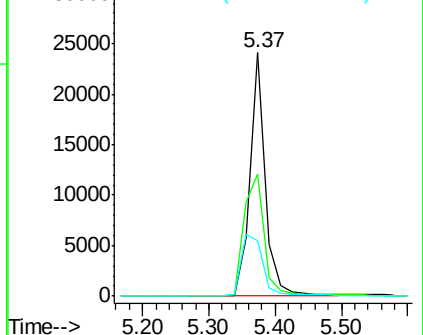
63 35.4 29.5 44.3

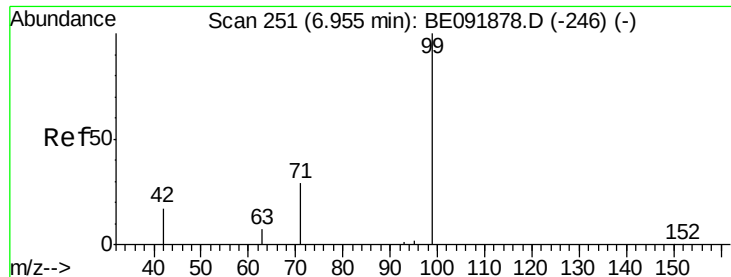


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.90 ng

RT: 6.94 min Scan# 250

Delta R.T. -0.02 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

Instrument :

BNA_E

ClientSampleId :

PB91035BS

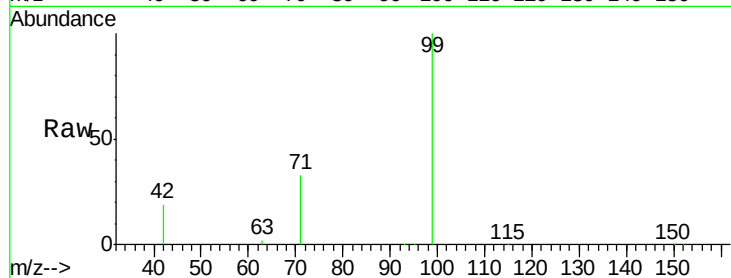
Tot Ion: 99 Resp: 48698

Ion Ratio Lower Upper

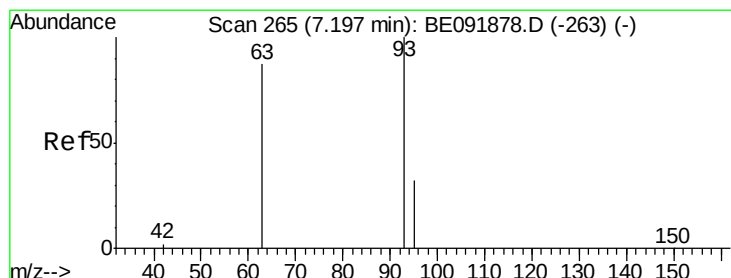
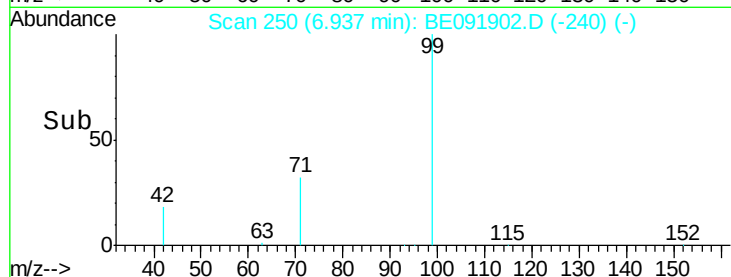
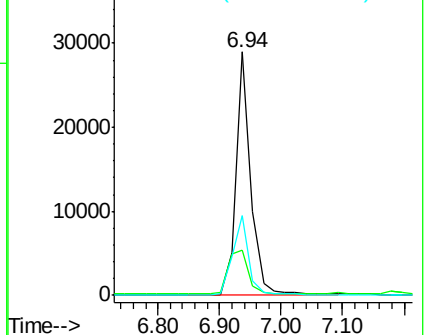
99 100

42 25.0 19.6 29.4

71 35.1 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: 3.08 ng

RT: 7.20 min Scan# 265

Delta R.T. -0.00 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

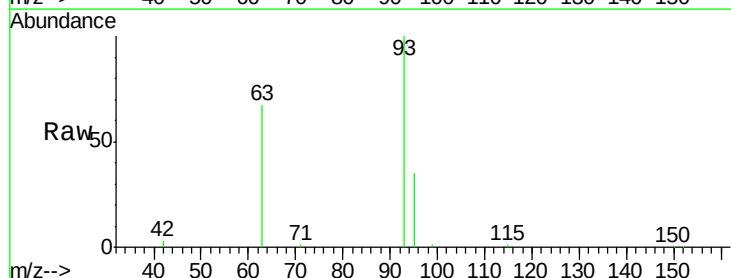
Tgt Ion: 93 Resp: 23524

Ion Ratio Lower Upper

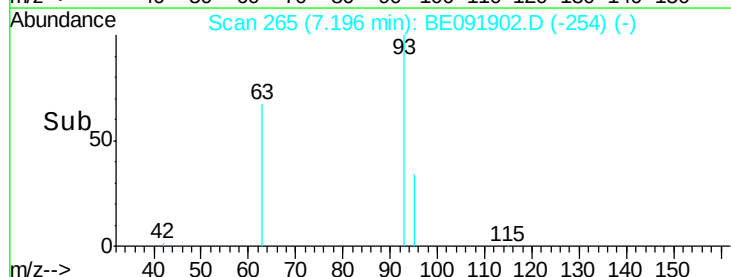
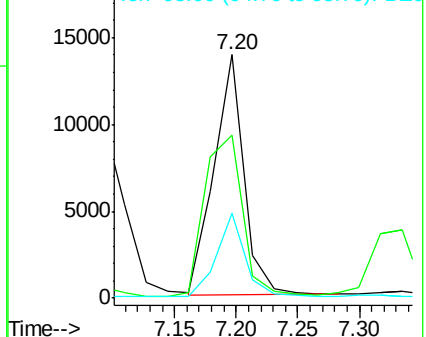
93 100

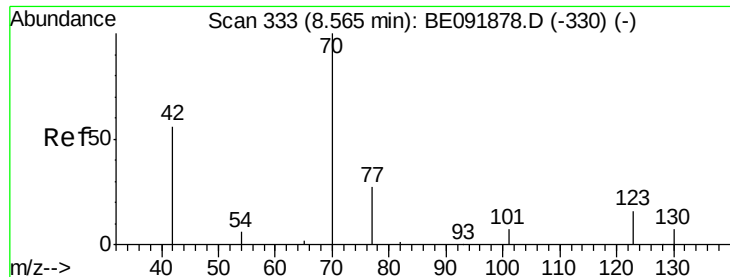
63 85.2 66.2 99.4

95 33.0 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: 2.73 ng

RT: 8.54 min Scan# 332

Delta R.T. -0.02 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

Instrument :

BNA_E

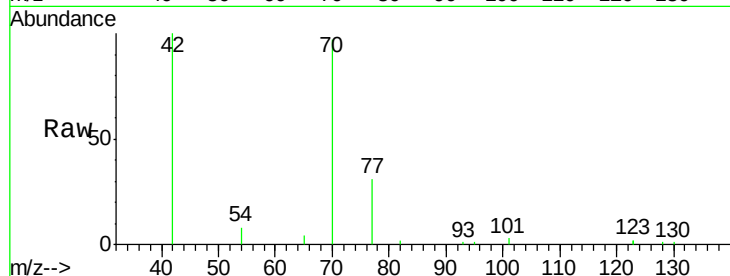
ClientSampleId :

PB91035BS

Tot Ion: 70 Resp: 16504

Ion Ratio Lower Upper

70	100		
42	79.8	58.4	87.6
101	0.0	6.4	9.6#
130	0.0	0.0	0.0



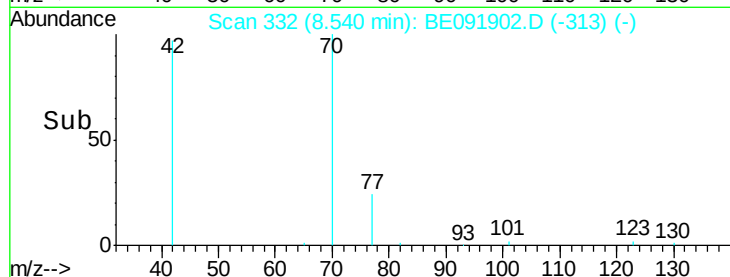
Abundance Ion 70.00 (69.70 to 70.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

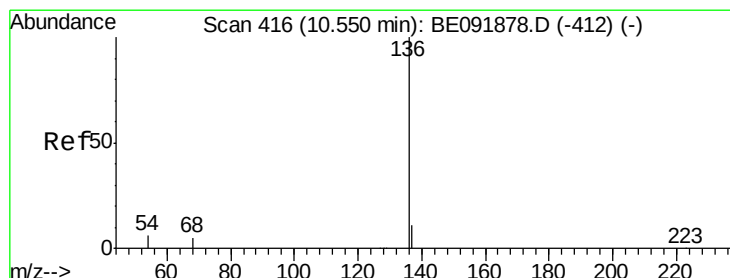
Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

Time-->



Time-->



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 416

Delta R.T. 0.00 min

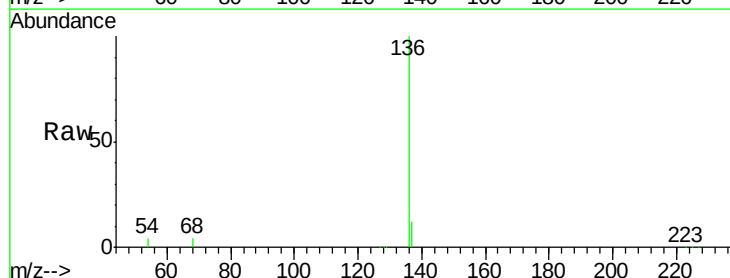
Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

Tgt Ion: 136 Resp: 111058

Ion Ratio Lower Upper

136	100		
137	12.1	8.3	12.5
54	4.1	8.2	12.4#
68	3.5	5.9	8.9#



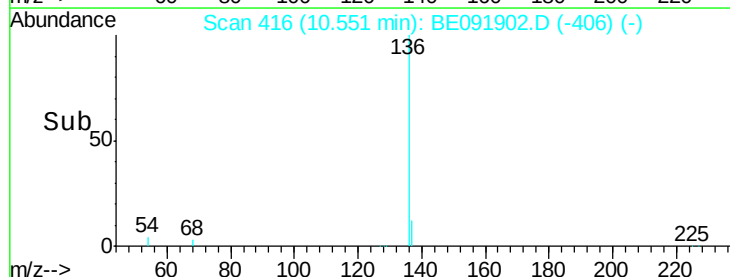
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

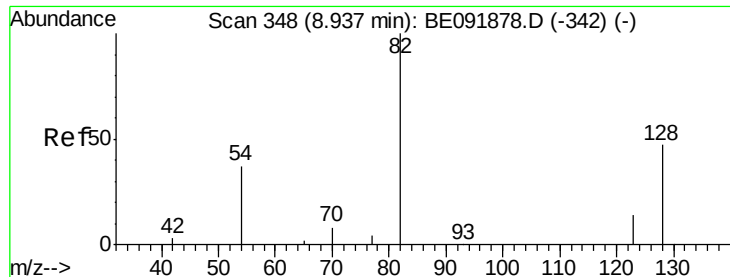
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->



Time-->



#9

Nitrobenzene-d5

Concen: 3.54 ng

RT: 8.91 min Scan# 347

Delta R.T. -0.02 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

Instrument :

BNA_E

ClientSampleId :

PB91035BS

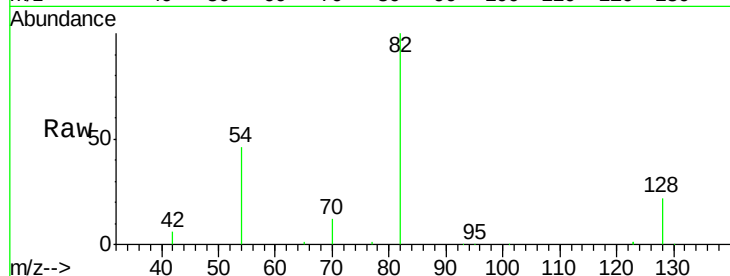
Tot Ion: 82 Resp: 29550

Ion Ratio Lower Upper

82 100

128 21.9 39.5 59.3#

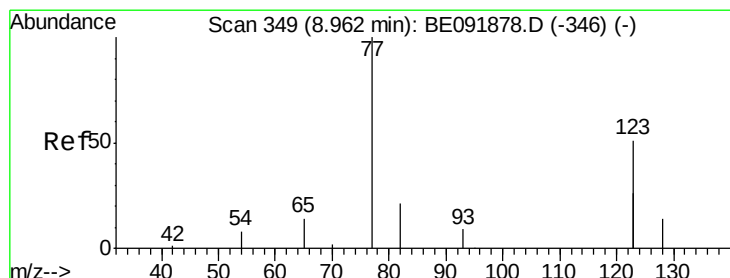
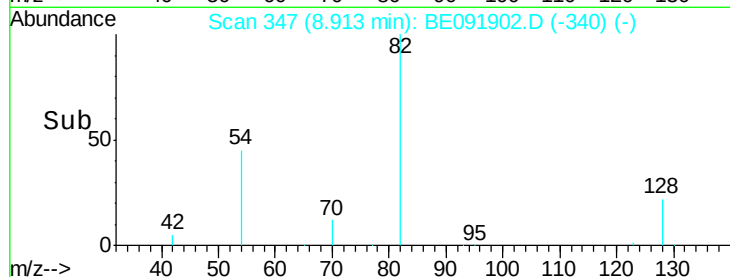
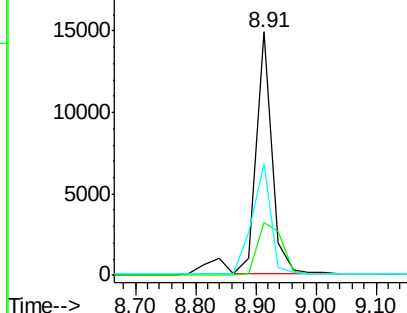
54 45.7 30.3 45.5#



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: 3.27 ng

RT: 8.96 min Scan# 349

Delta R.T. 0.00 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

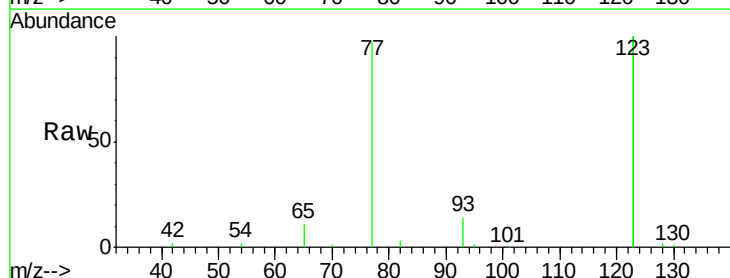
Tgt Ion: 77 Resp: 24843

Ion Ratio Lower Upper

77 100

123 163.9 0.0 0.0#

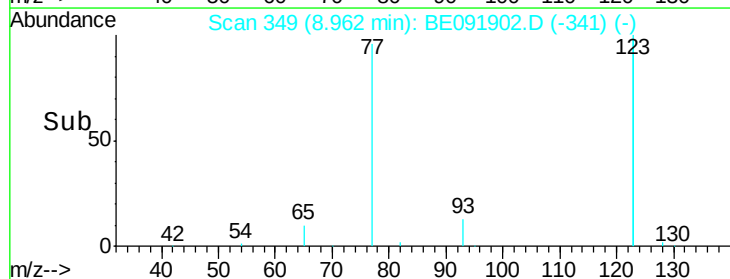
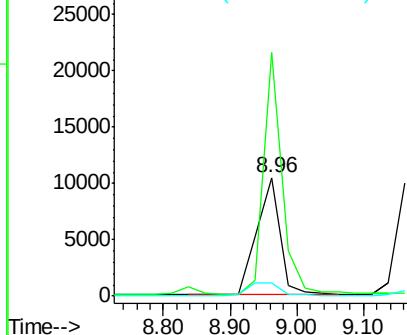
65 0.0 11.1 16.7#

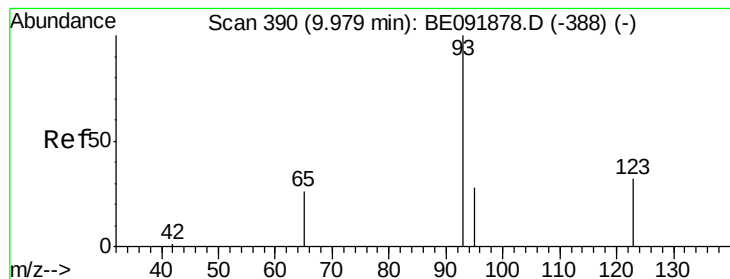


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 3.18 ng

RT: 9.95 min Scan# 389

Delta R.T. -0.02 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

Instrument :

BNA_E

ClientSampleId :

PB91035BS

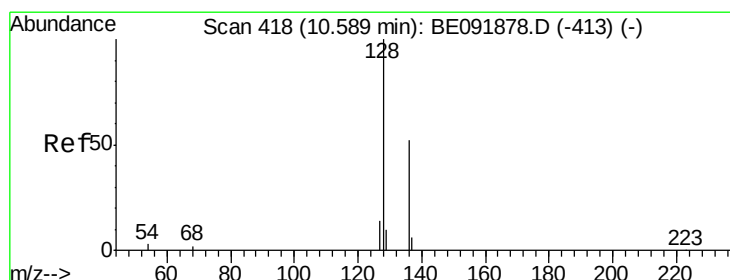
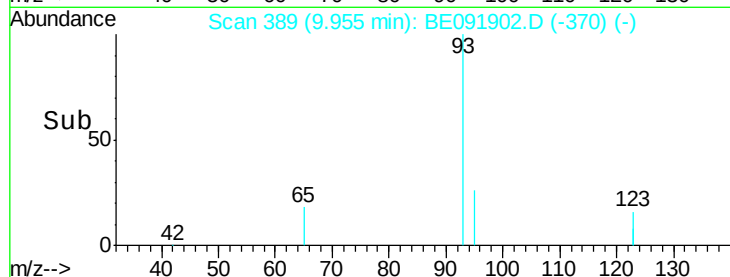
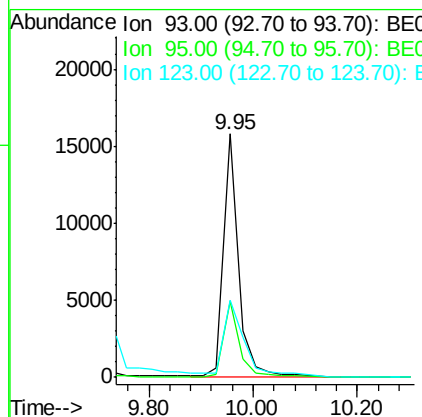
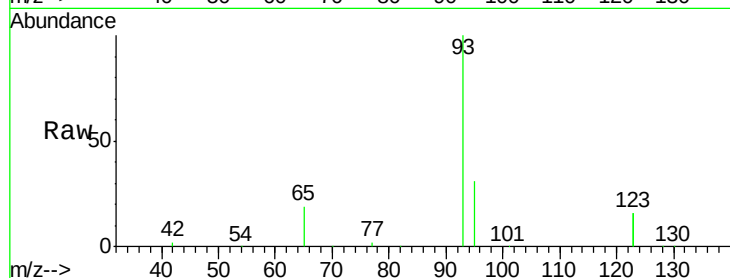
Tot Ion: 93 Resp: 35821

Ion Ratio Lower Upper

93 100

95 33.6 57.6 86.4#

123 46.2 100.2 150.4#



#12

Naphthalene

Concen: 3.15 ng

RT: 10.59 min Scan# 418

Delta R.T. 0.00 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

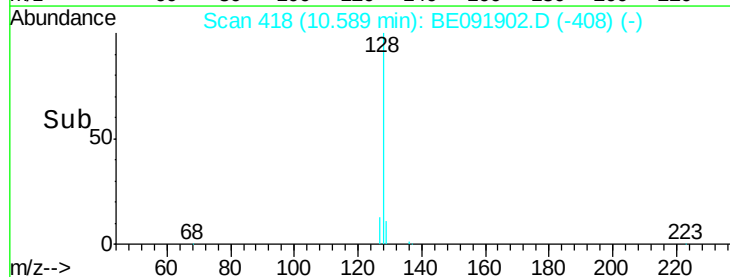
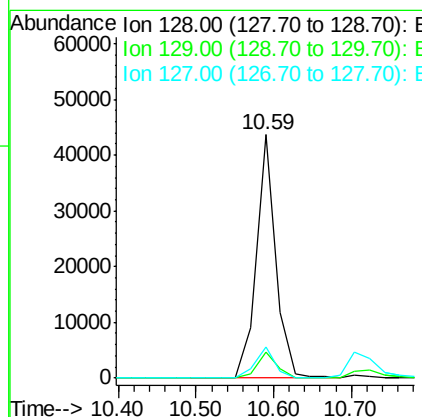
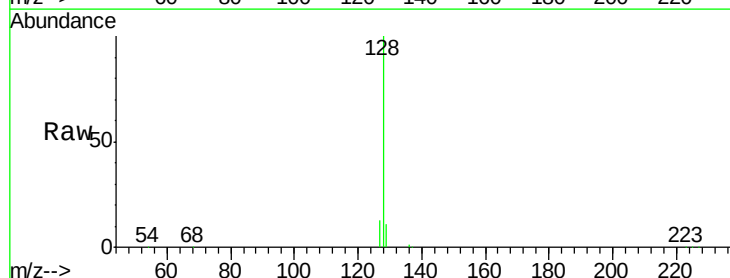
Tgt Ion: 128 Resp: 75578

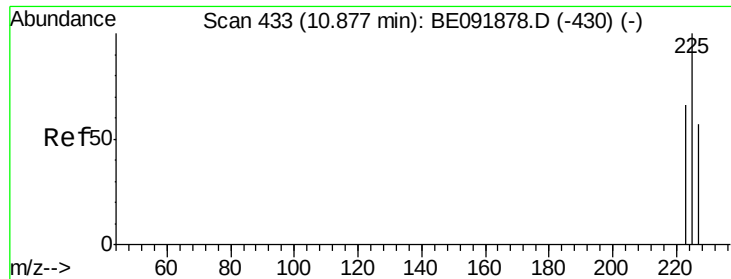
Ion Ratio Lower Upper

128 100

129 10.9 10.4 15.6

127 12.9 10.2 15.2

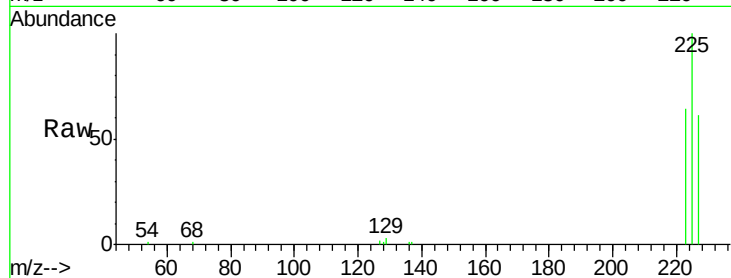




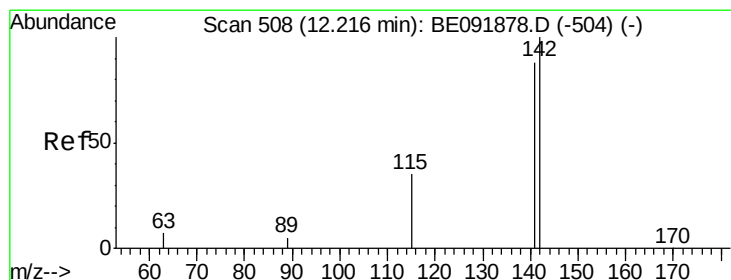
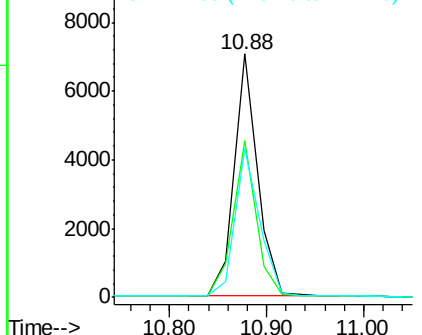
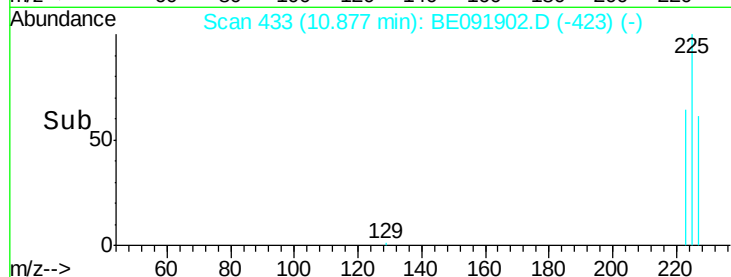
#13
Hexachlorobutadiene
Concen: 3.25 ng
RT: 10.88 min Scan# 433
Delta R.T. 0.00 min
Lab File: BE091902.D
Acq: 8 Jun 2016 15:40

Instrument :
BNA_E
ClientSampleId :
PB91035BS

Tot Ion:225 Resp: 11612
Ion Ratio Lower Upper
225 100
223 63.0 49.8 74.8
227 63.8 50.6 75.8

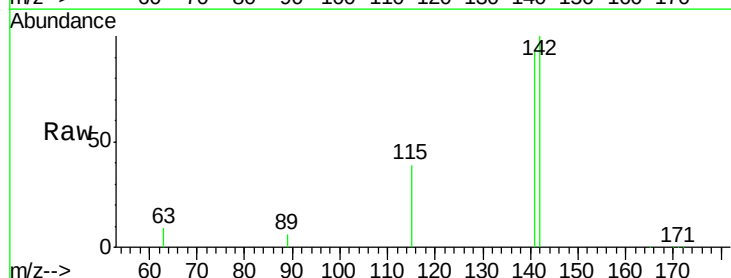


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

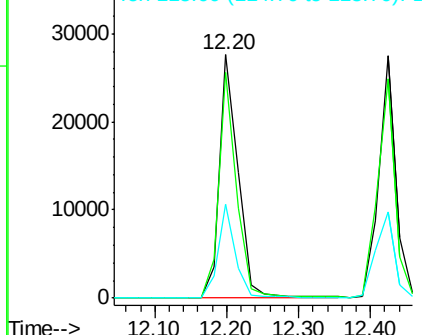
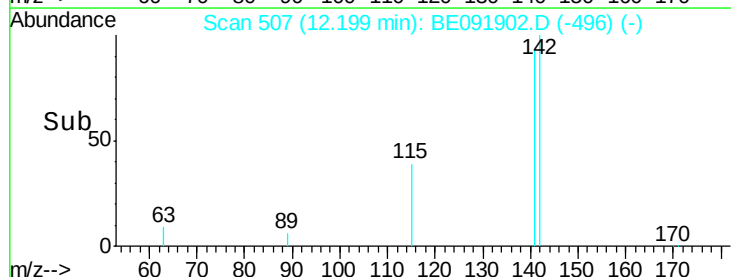


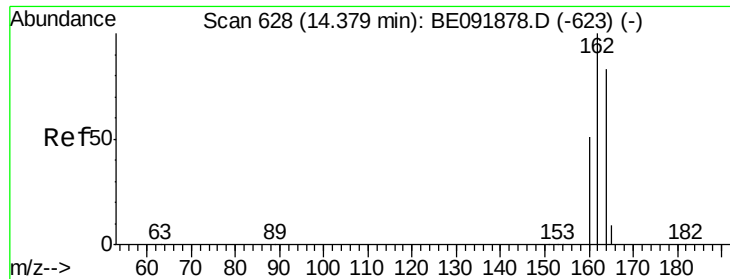
#14
2-Methylnaphthalene
Concen: 3.21 ng
RT: 12.20 min Scan# 507
Delta R.T. -0.02 min
Lab File: BE091902.D
Acq: 8 Jun 2016 15:40

Tgt Ion:142 Resp: 49630
Ion Ratio Lower Upper
142 100
141 92.8 71.9 107.9
115 38.7 29.9 44.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

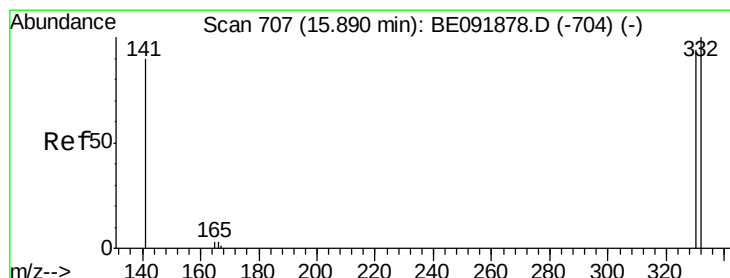
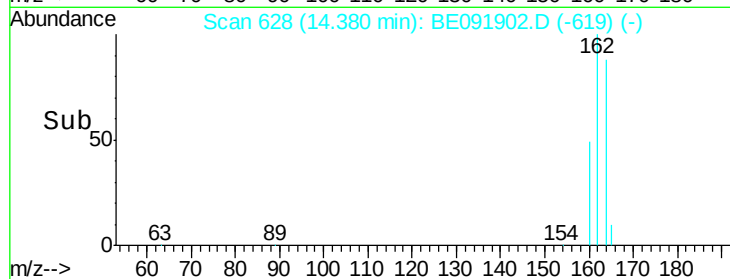
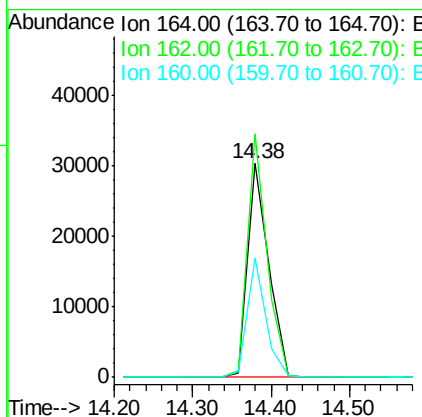
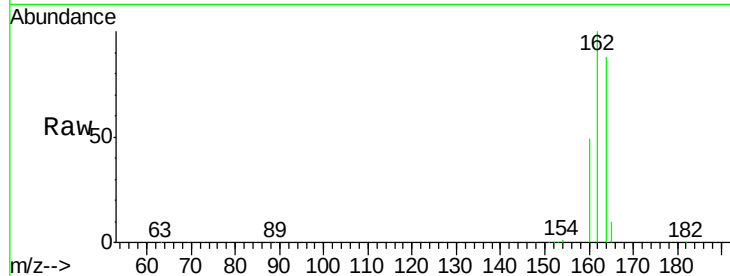




#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.38 min Scan# 628
Delta R.T. 0.00 min
Lab File: BE091902.D
Acq: 8 Jun 2016 15:40

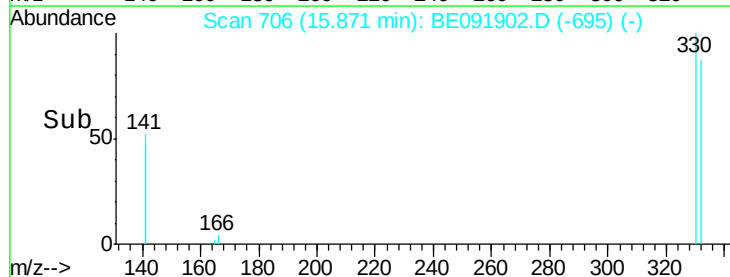
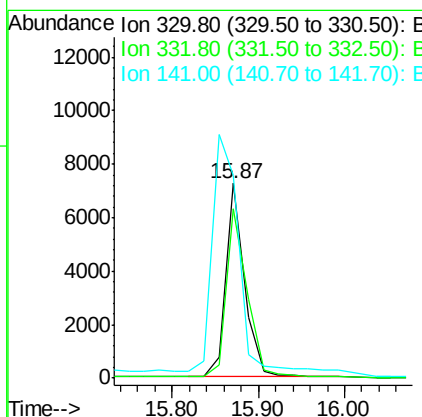
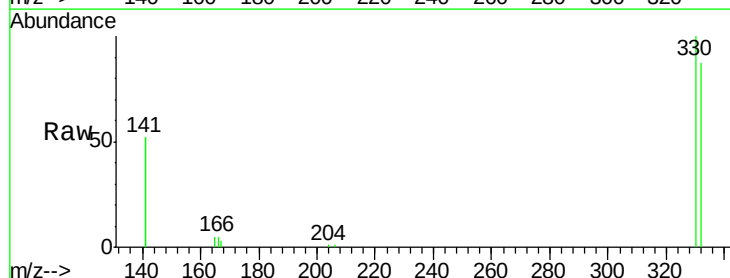
Instrument :
BNA_E
ClientSampleId :
PB91035BS

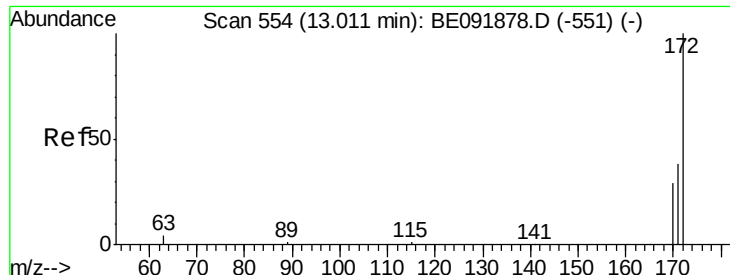
Tot Ion:164 Resp: 56015
Ion Ratio Lower Upper
164 100
162 113.7 71.8 107.8#
160 55.7 28.0 42.0#



#16
2,4,6-Tribromophenol
Concen: 6.90 ng
RT: 15.87 min Scan# 706
Delta R.T. -0.02 min
Lab File: BE091902.D
Acq: 8 Jun 2016 15:40

Tgt Ion:330 Resp: 11017
Ion Ratio Lower Upper
330 100
332 95.1 77.0 115.6
141 166.1 138.4 207.6

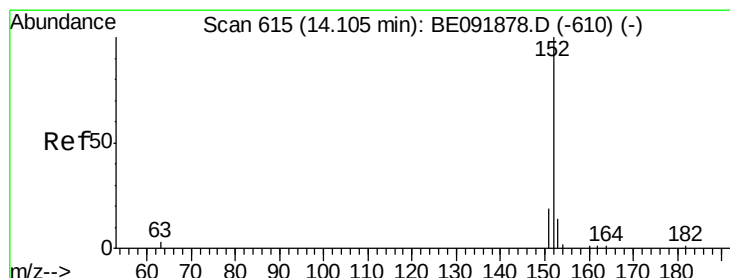
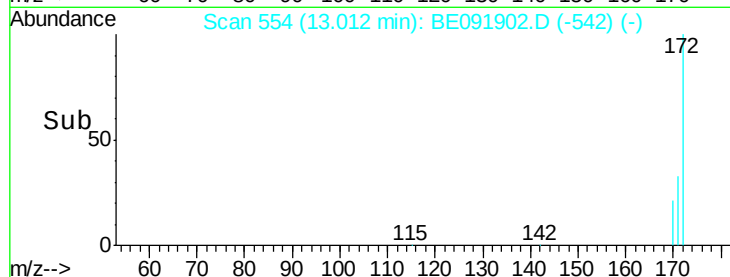
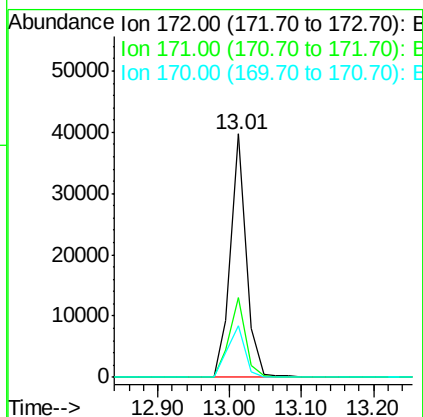
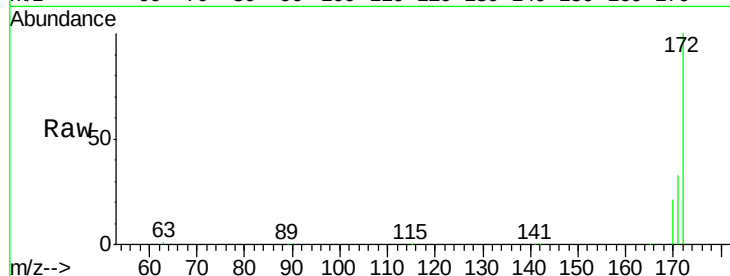




#17
2-Fluorobiphenyl
Concen: 3.54 ng
RT: 13.01 min Scan# 554
Delta R.T. 0.00 min
Lab File: BE091902.D
Acq: 8 Jun 2016 15:40

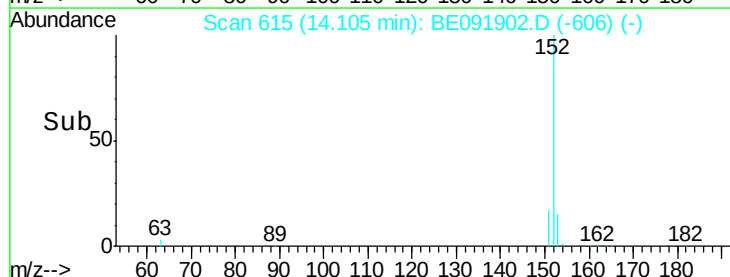
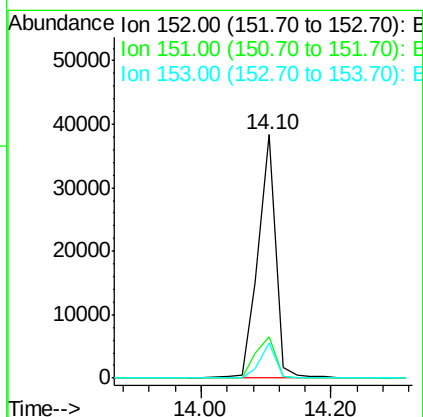
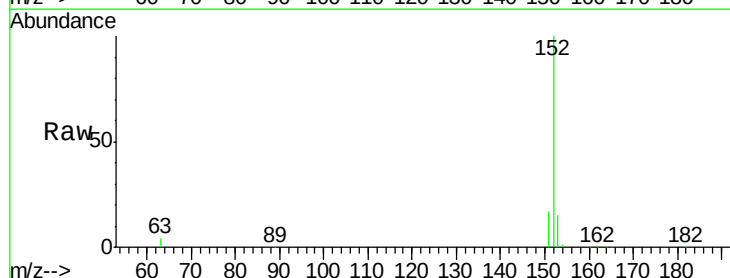
Instrument :
BNA_E
ClientSampleId :
PB91035BS

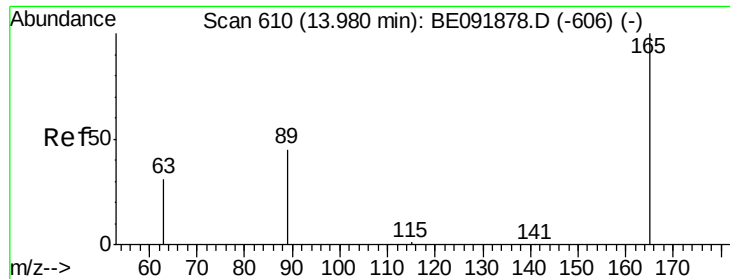
Tot Ion:172 Resp: 60186
Ion Ratio Lower Upper
172 100
171 32.9 24.3 36.5
170 21.1 14.9 22.3



#18
Acenaphthylene
Concen: 3.08 ng
RT: 14.10 min Scan# 615
Delta R.T. 0.00 min
Lab File: BE091902.D
Acq: 8 Jun 2016 15:40

Tgt Ion:152 Resp: 78002
Ion Ratio Lower Upper
152 100
151 19.9 19.4 29.2
153 14.0 14.4 21.6#

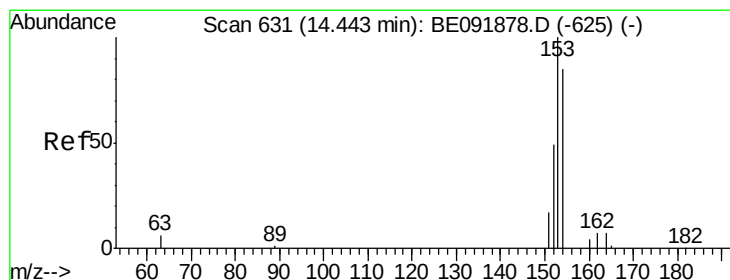
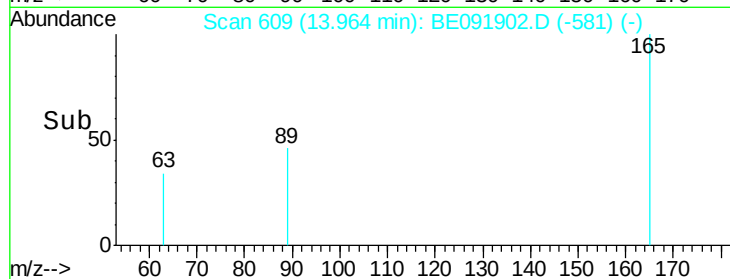
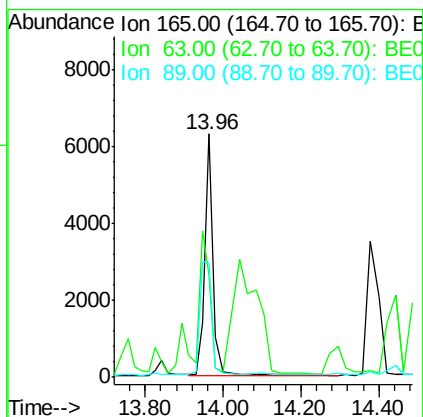
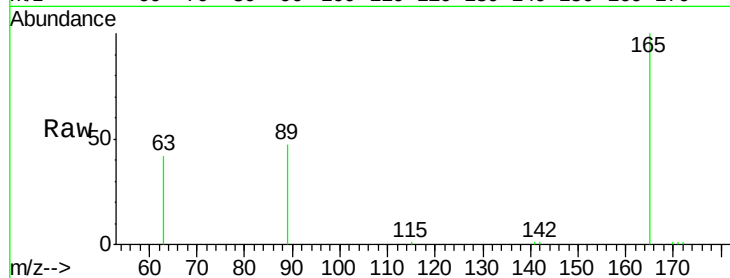




#19
2,6-Dinitrotoluene
Concen: 3.01 ng
RT: 13.96 min Scan# 609
Delta R.T. -0.02 min
Lab File: BE091902.D
Acq: 8 Jun 2016 15:40

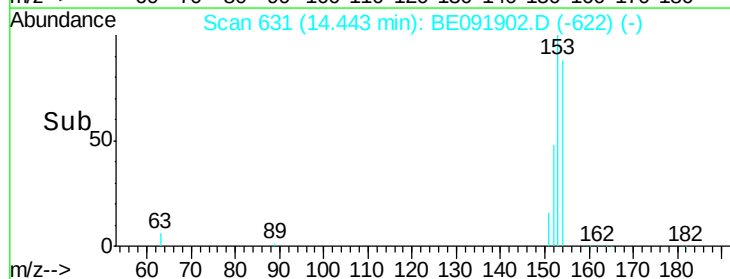
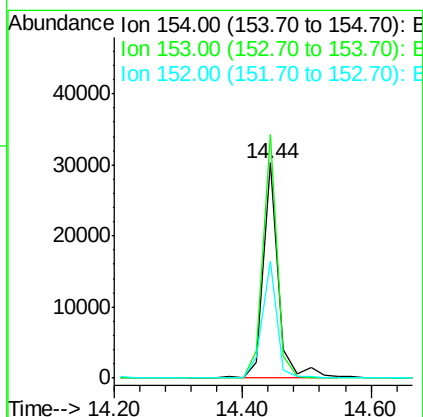
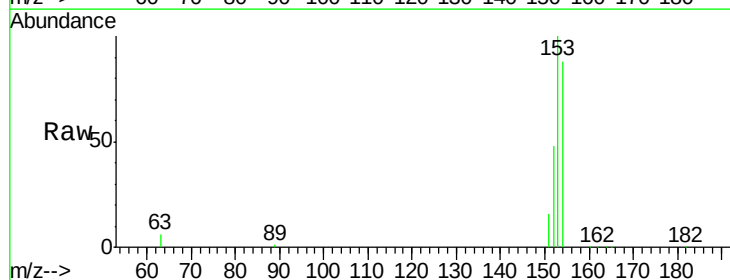
Instrument :
BNA_E
ClientSampleId :
PB91035BS

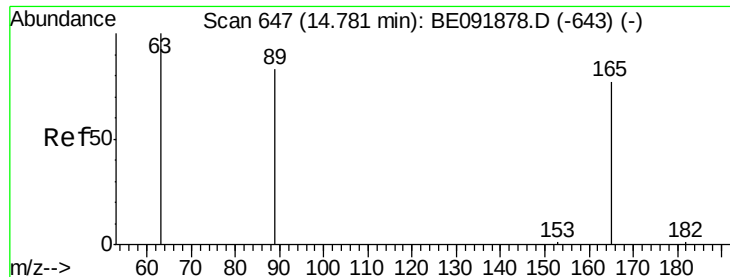
Tot Ion:165 Resp: 11257
Ion Ratio Lower Upper
165 100
63 80.3 65.9 98.9
89 68.4 59.1 88.7



#20
Acenaphthene
Concen: 3.18 ng
RT: 14.44 min Scan# 631
Delta R.T. 0.00 min
Lab File: BE091902.D
Acq: 8 Jun 2016 15:40

Tgt Ion:154 Resp: 49343
Ion Ratio Lower Upper
154 100
153 105.9 88.1 132.1
152 52.5 44.2 66.2





#21

2,4-Dinitrotoluene

Concen: 2.83 ng

RT: 14.76 min Scan# 646

Delta R.T. -0.02 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

Instrument :

BNA_E

ClientSampleId :

PB91035BS

Tot Ion:165 Resp: 12018

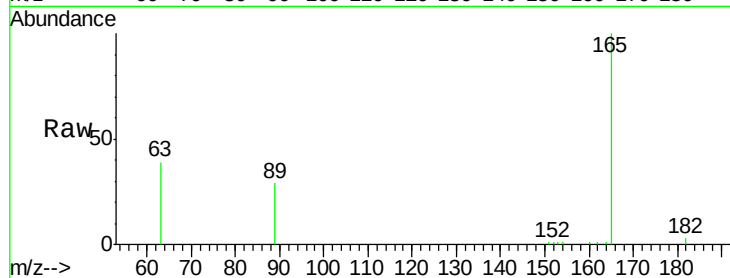
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 2.3 0.0 0.0#

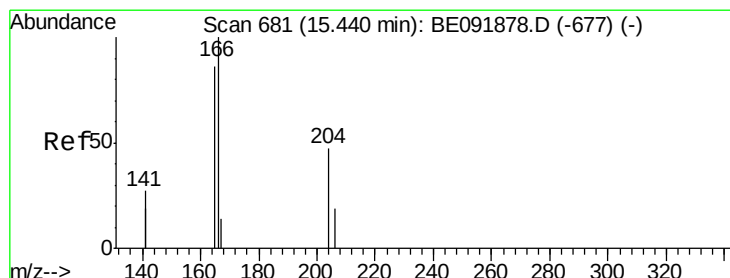
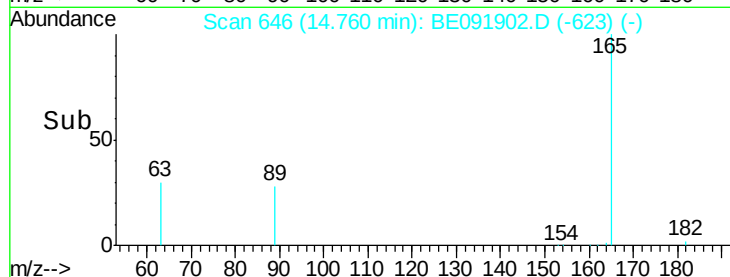
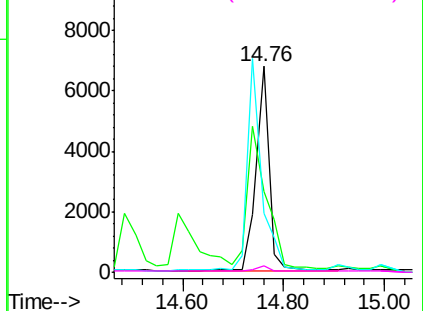


Abundance Ion 165.00 (164.70 to 165.70): E

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



#22

Fluorene

Concen: 3.07 ng

RT: 15.42 min Scan# 680

Delta R.T. -0.02 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

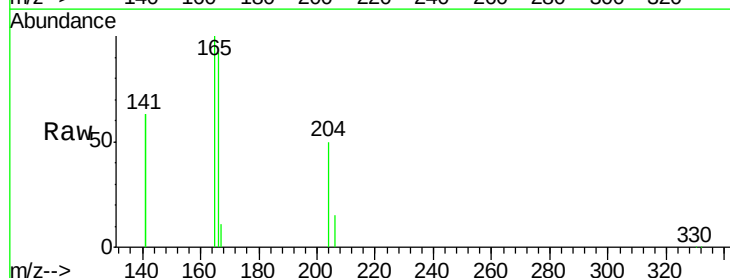
Tgt Ion:166 Resp: 58245

Ion Ratio Lower Upper

166 100

165 98.3 78.6 117.8

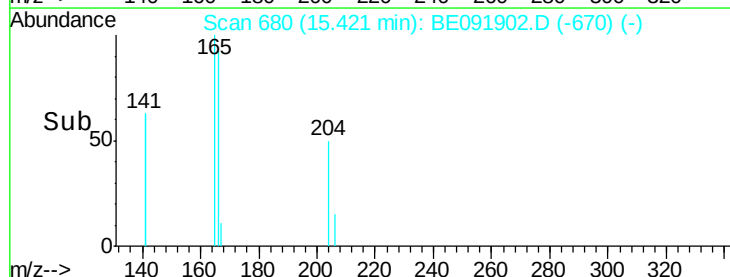
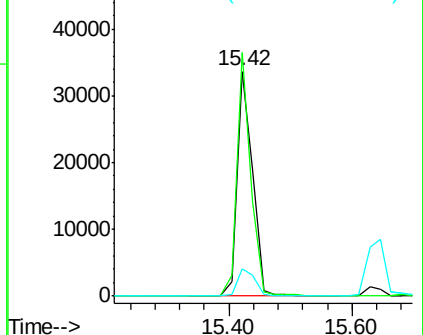
167 13.6 10.8 16.2

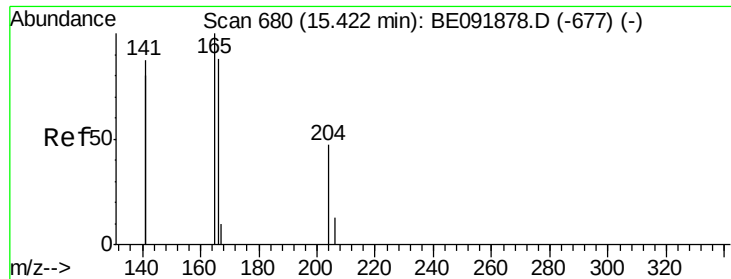


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

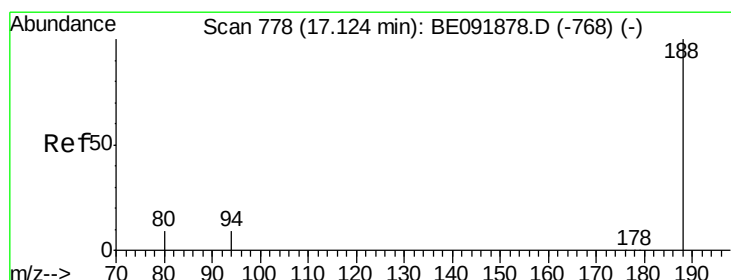
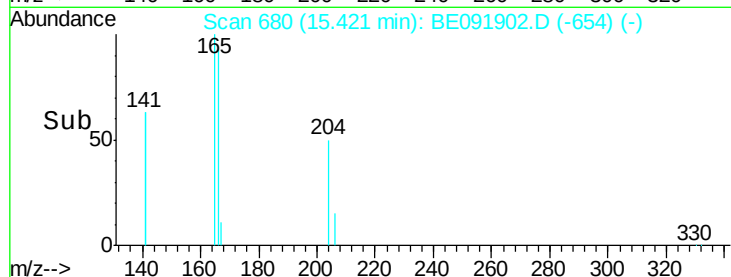
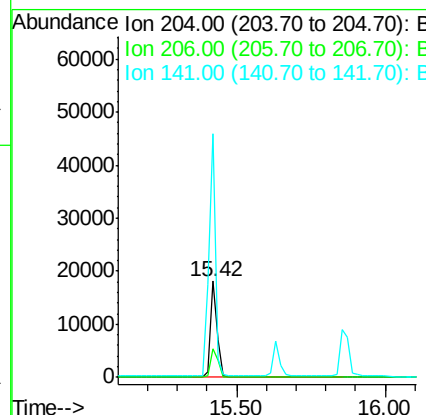
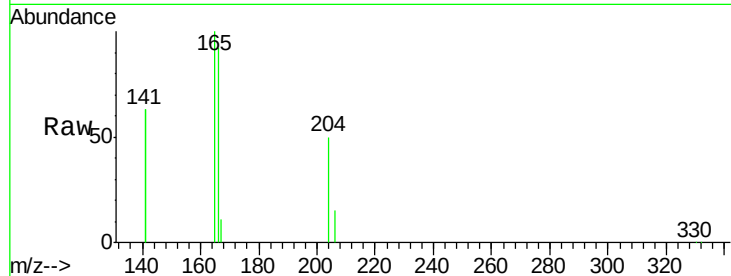




#23
 4-Chlorophenyl-phenylether
 Concen: 2.99 ng
 RT: 15.42 min Scan# 680
 Delta R.T. -0.00 min
 Lab File: BE091902.D
 Acq: 8 Jun 2016 15:40

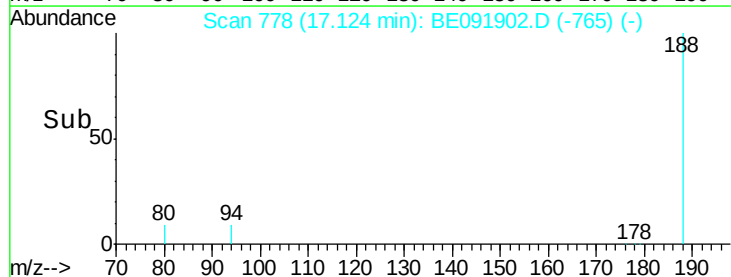
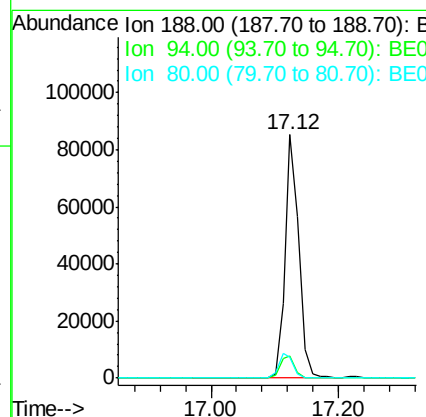
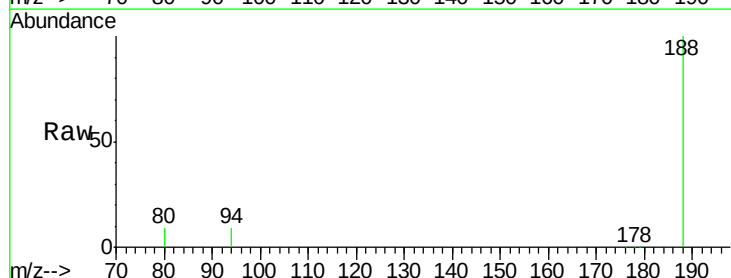
Instrument :
 BNA_E
 ClientSampleId :
 PB91035BS

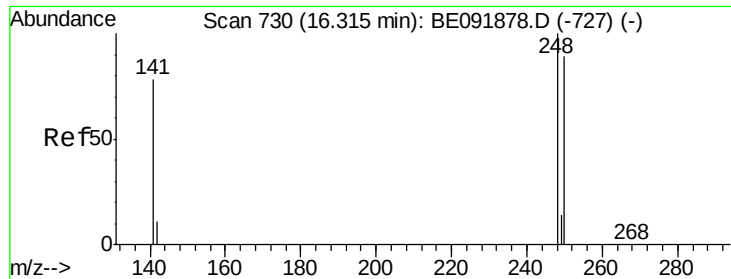
Tot Ion:204 Resp: 27808
 Ion Ratio Lower Upper
 204 100
 206 33.6 27.8 41.6
 141 251.7 197.6 296.4



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.12 min Scan# 778
 Delta R.T. 0.00 min
 Lab File: BE091902.D
 Acq: 8 Jun 2016 15:40

Tgt Ion:188 Resp: 151082
 Ion Ratio Lower Upper
 188 100
 94 9.1 4.1 6.1#
 80 8.7 3.4 5.2#





#25

4-Bromophenyl-phenylether

Concen: 3.04 ng

RT: 16.31 min Scan# 730

Delta R.T. -0.00 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

Instrument :

BNA_E

ClientSampleId :

PB91035BS

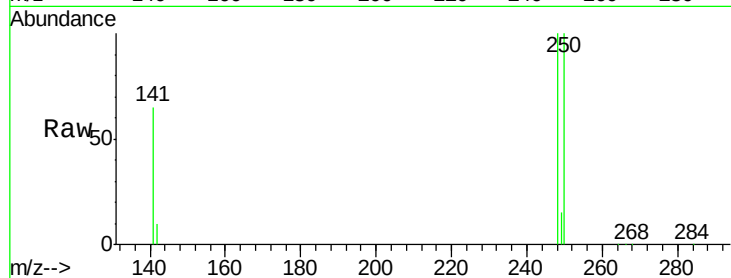
Tot Ion:248 Resp: 16500

Ion Ratio Lower Upper

248 100

250 97.5 75.7 113.5

141 78.8 64.6 97.0

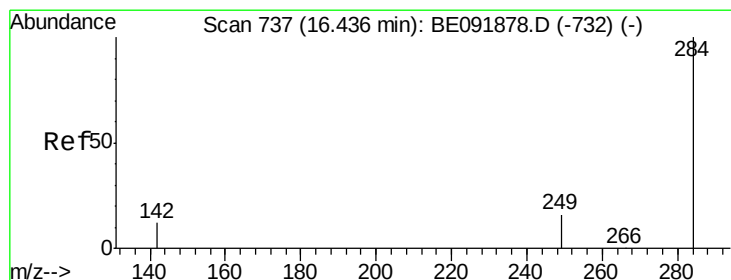
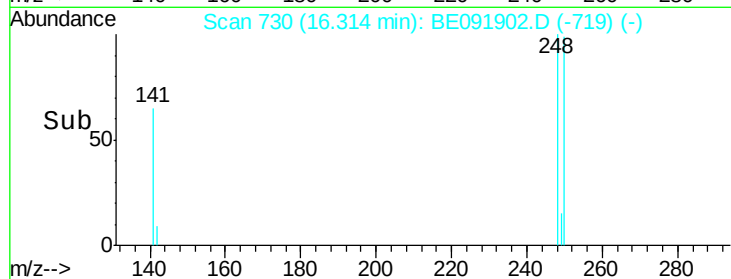
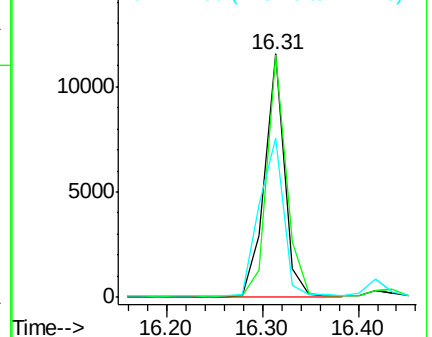


Abundance

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: 3.02 ng m

RT: 16.43 min Scan# 737

Delta R.T. -0.00 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

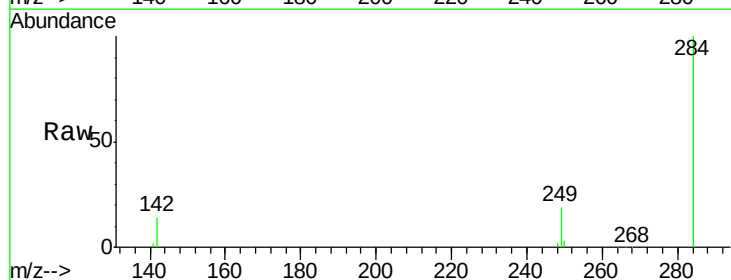
Tgt Ion:284 Resp: 16759

Ion Ratio Lower Upper

284 100

142 40.0 31.4 47.2

249 32.0 25.3 37.9

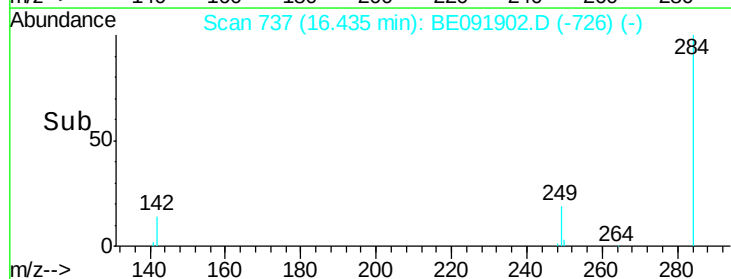
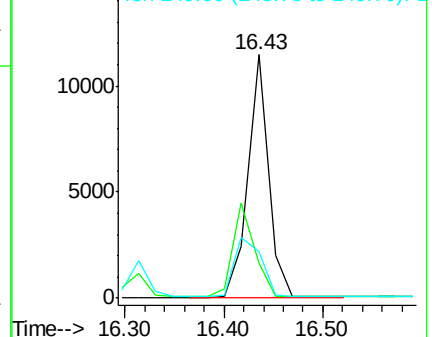


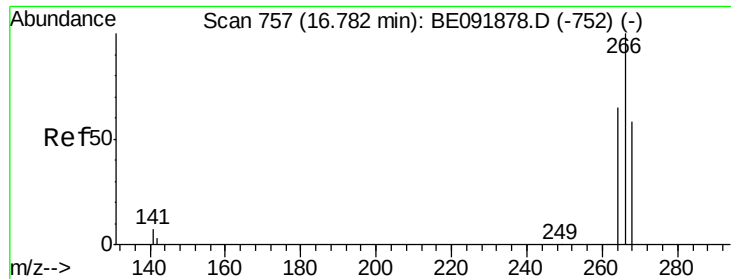
Abundance

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

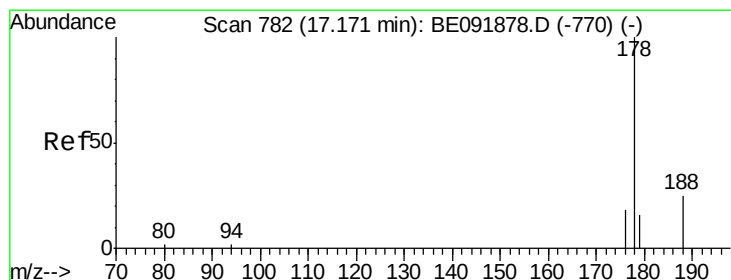
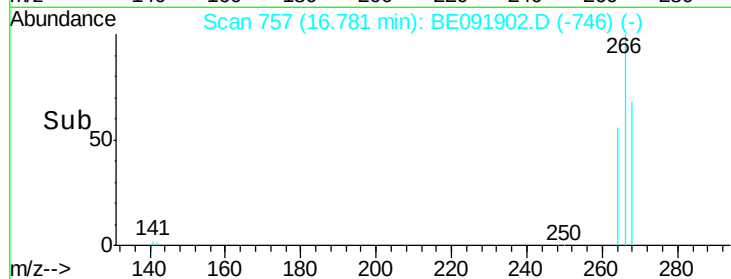
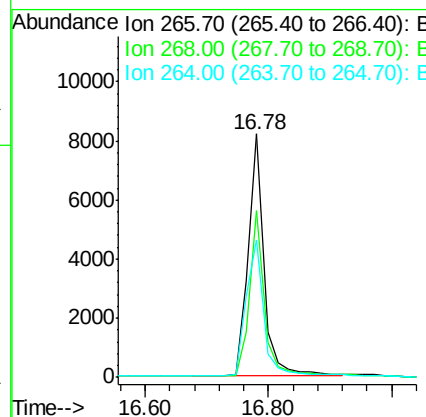
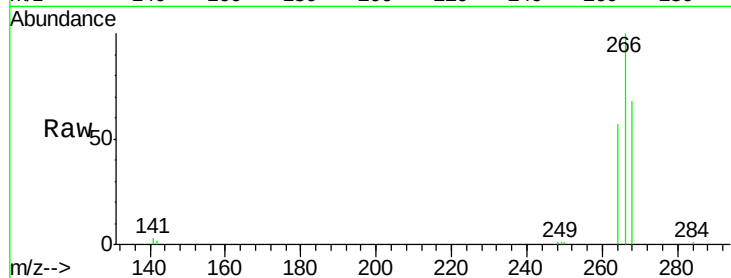




#27
 Pentachlorophenol
 Concen: 5.52 ng
 RT: 16.78 min Scan# 757
 Delta R.T. -0.00 min
 Lab File: BE091902.D
 Acq: 8 Jun 2016 15:40

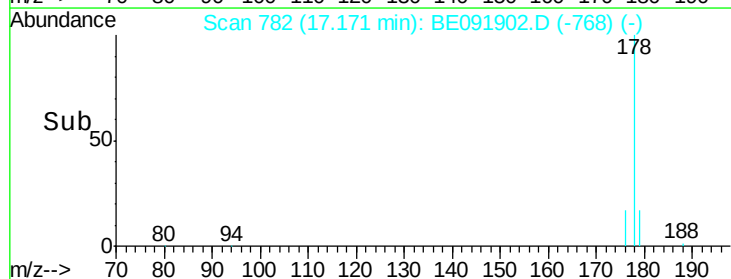
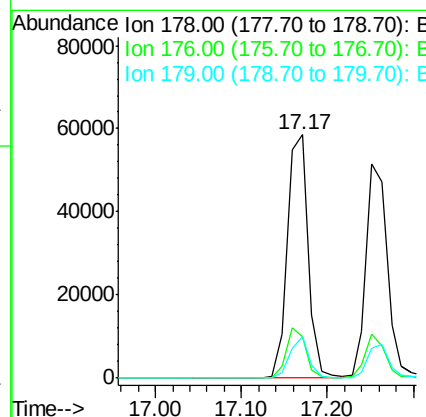
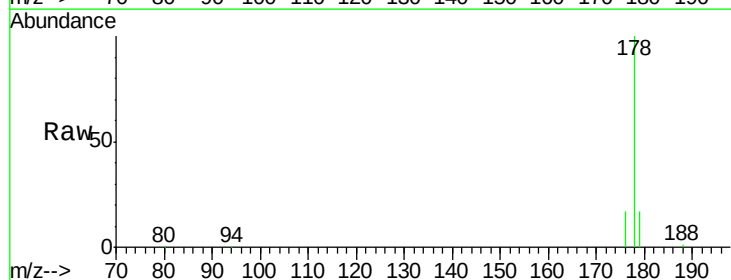
Instrument :
 BNA_E
 ClientSampleId :
 PB91035BS

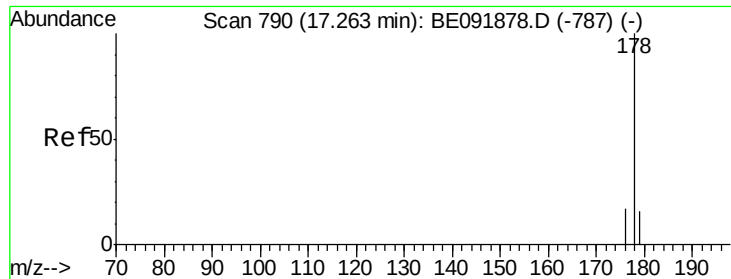
Tot Ion:266 Resp: 14675
 Ion Ratio Lower Upper
 266 100
 268 68.3 60.5 90.7
 264 56.6 51.0 76.4



#28
 Phenanthrene
 Concen: 2.82 ng
 RT: 17.17 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: BE091902.D
 Acq: 8 Jun 2016 15:40

Tgt Ion:178 Resp: 98507
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.4 23.2
 179 15.4 12.9 19.3





#29

Anthracene

Concen: 2.88 ng

RT: 17.25 min Scan# 789

Delta R.T. -0.01 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

Instrument :

BNA_E

ClientSampleId :

PB91035BS

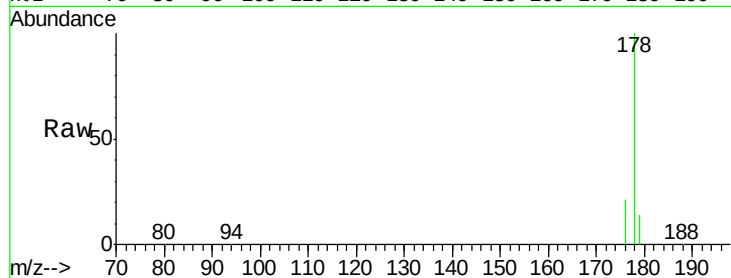
Tot Ion:178 Resp: 89872

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

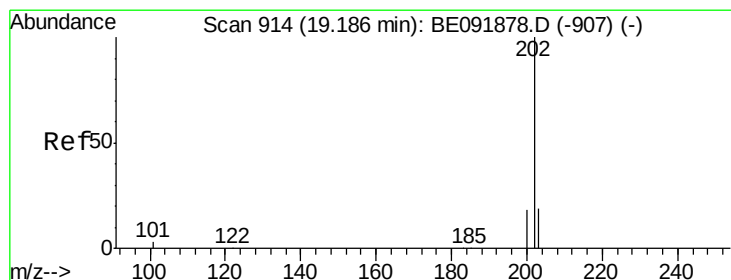
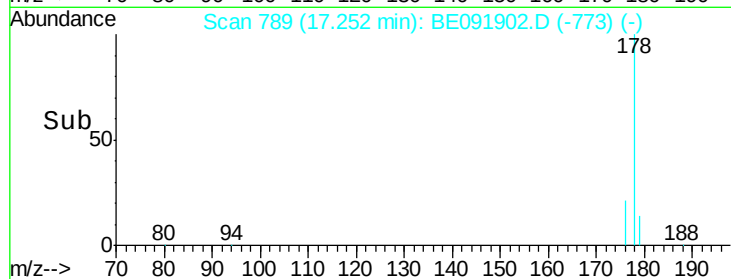
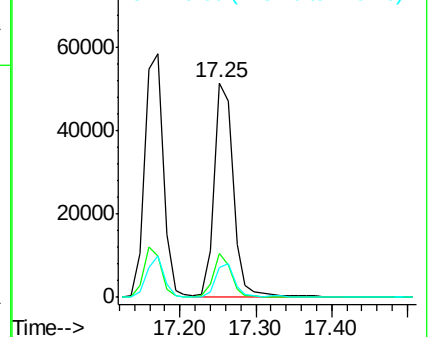
179 15.6 12.1 18.1



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: 2.66 ng

RT: 19.17 min Scan# 913

Delta R.T. -0.02 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

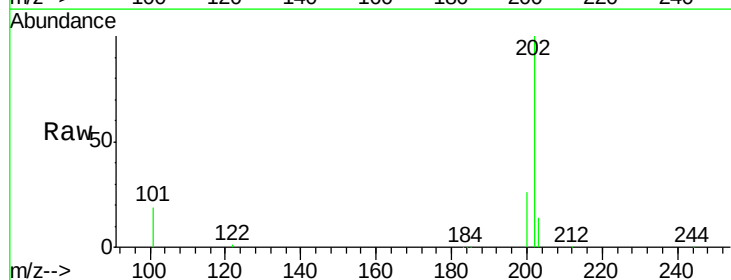
Tgt Ion:202 Resp: 100423

Ion Ratio Lower Upper

202 100

101 11.7 9.4 14.0

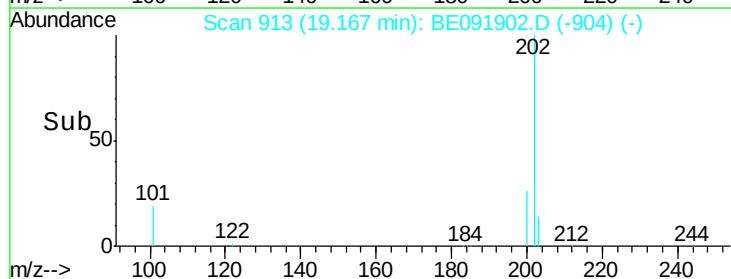
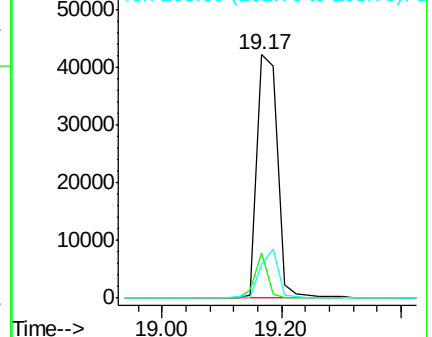
203 17.5 14.3 21.5

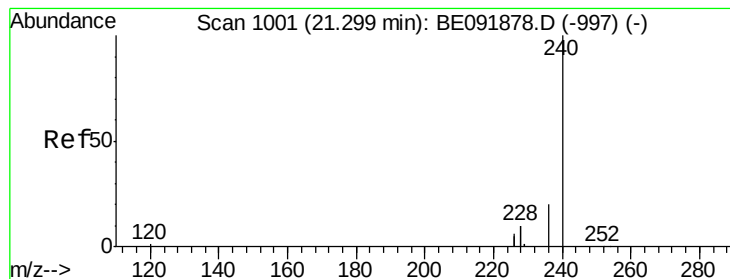


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE091902.D

Acq: 8 Jun 2016 15:40

Instrument :

BNA_E

ClientSampleId :

PB91035BS

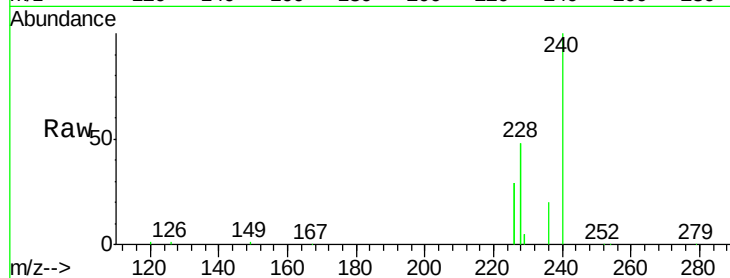
Tot Ion:240 Resp: 111985

Ion Ratio Lower Upper

240 100

120 0.8 1.2 1.8#

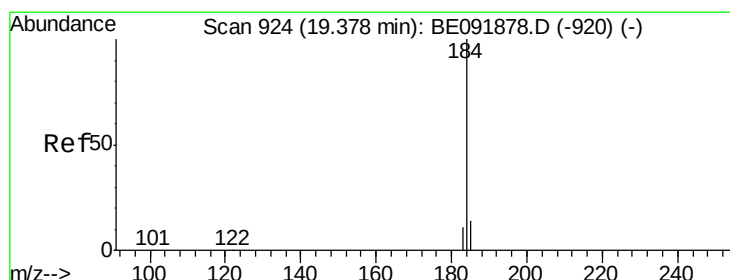
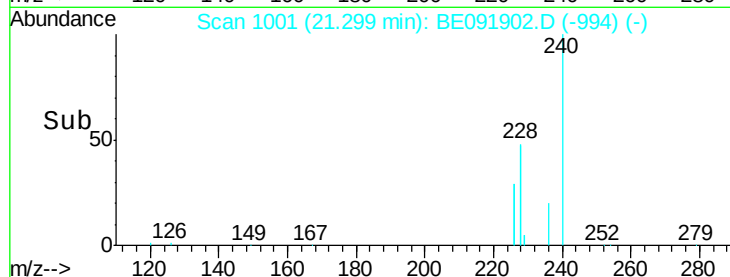
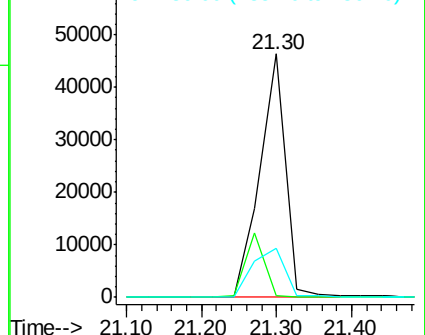
236 20.3 19.8 29.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#32

Benzidine

Concen: 0.92 ng

RT: 19.38 min Scan# 924

Delta R.T. 0.00 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

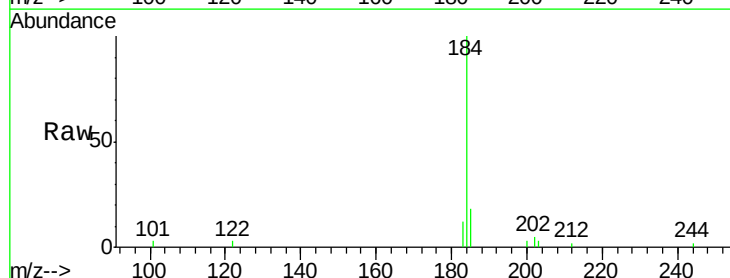
Tgt Ion:184 Resp: 7519

Ion Ratio Lower Upper

184 100

185 17.5 11.4 17.2#

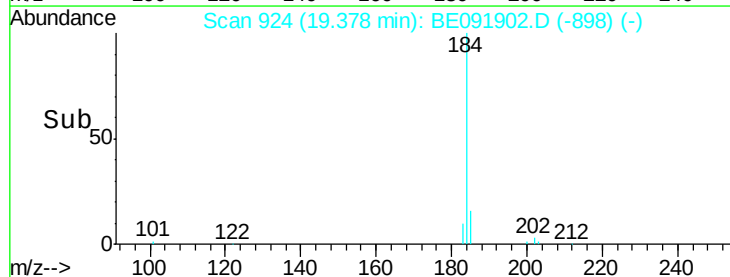
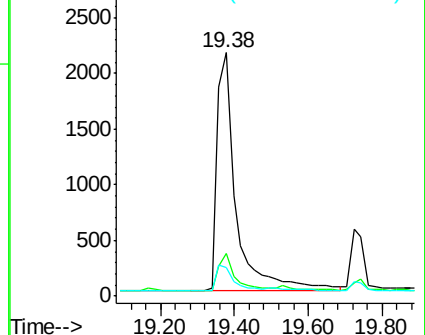
183 11.9 11.8 17.6

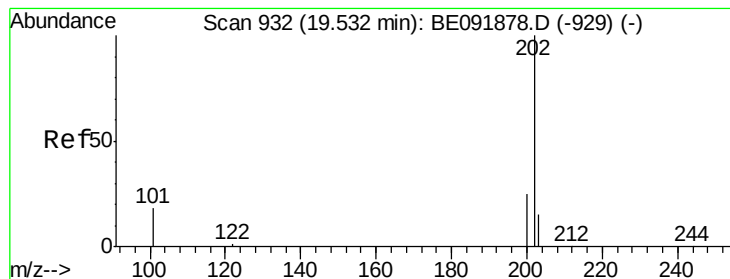


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pvrene

Concen: 3.89 ng

RT: 19.53 min Scan# 932

Delta R.T. 0.00 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

Instrument :

BNA_E

ClientSampleId :

PB91035BS

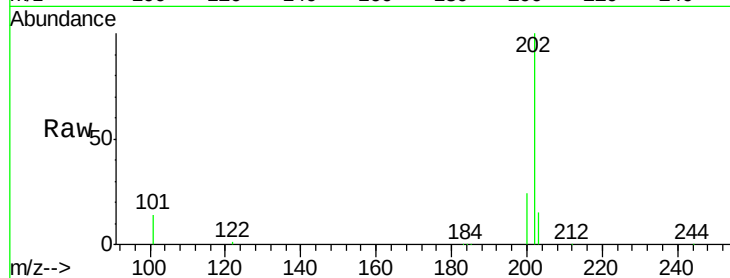
Tot Ion:202 Resp: 109944

Ion Ratio Lower Upper

202 100

200 21.6 16.9 25.3

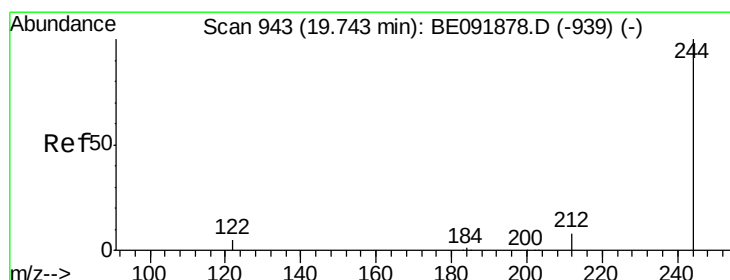
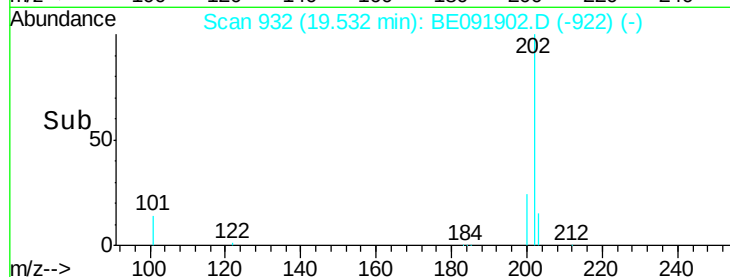
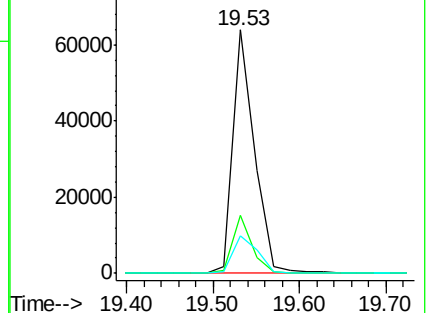
203 17.7 14.1 21.1



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: -5.00 ng

RT: 19.74 min Scan# 943

Delta R.T. 0.00 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

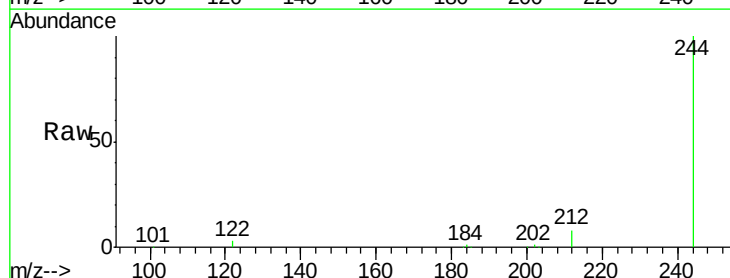
Tgt Ion:244 Resp: 77614

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

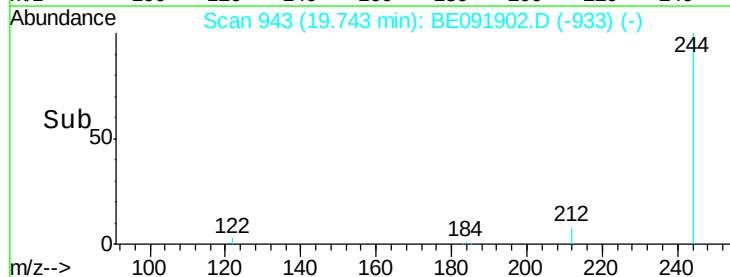
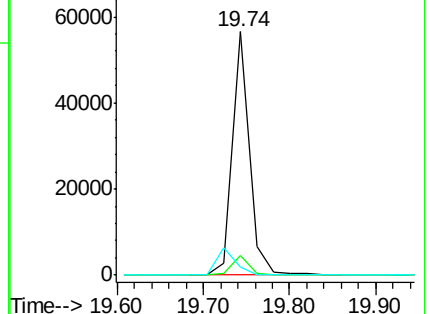
122 3.2 2.9 4.3

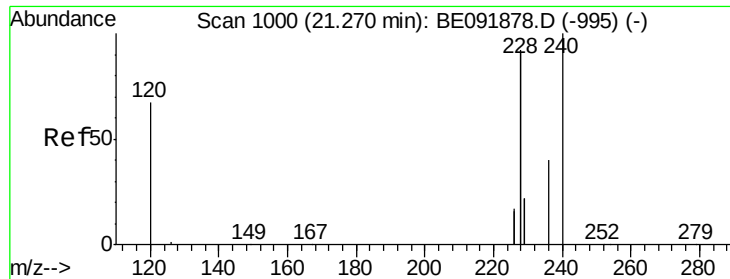


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 3.89 ng/mL

RT: 21.27 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

Instrument :

BNA_E

ClientSampleId :

PB91035BS

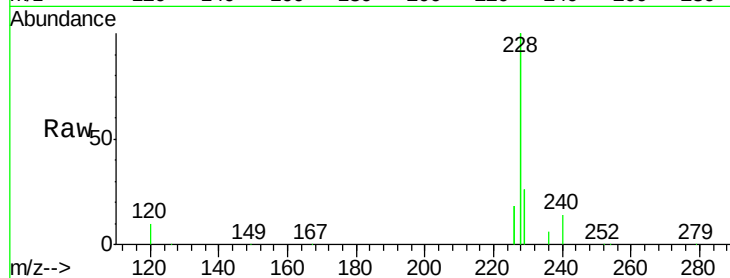
Tot Ion:228 Resp: 517012

Ion Ratio Lower Upper

228 100

226 18.0 21.0 31.4#

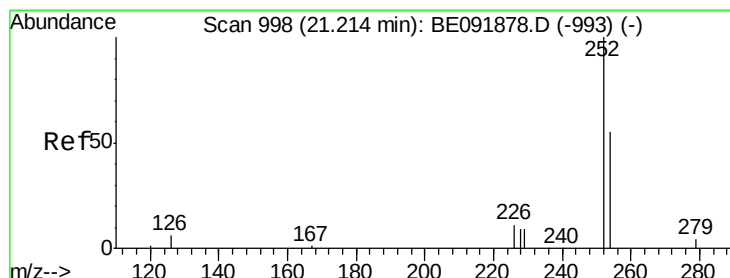
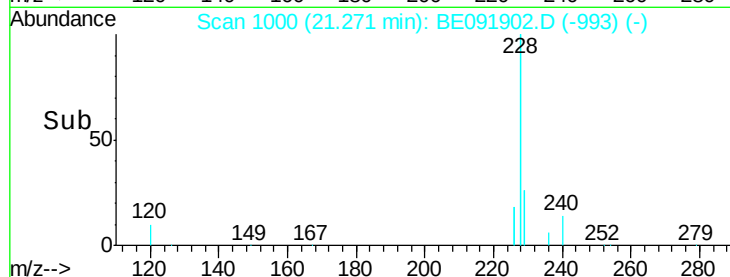
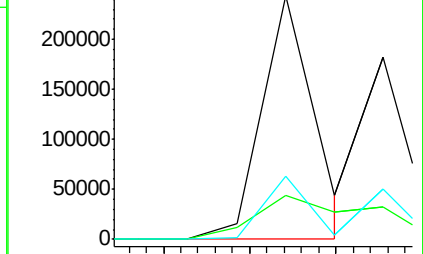
229 25.7 15.8 23.8#



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: 2.68 ng/mL

RT: 21.21 min Scan# 998

Delta R.T. 0.00 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

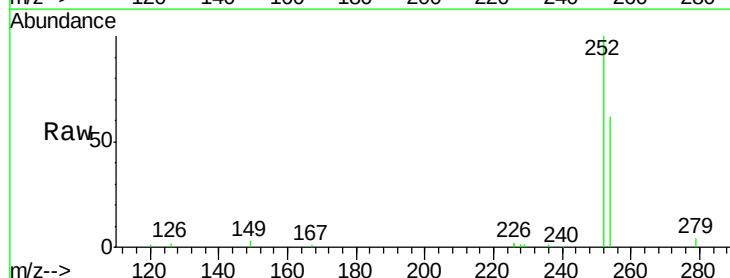
Tgt Ion:252 Resp: 23919

Ion Ratio Lower Upper

252 100

254 61.8 61.5 92.3

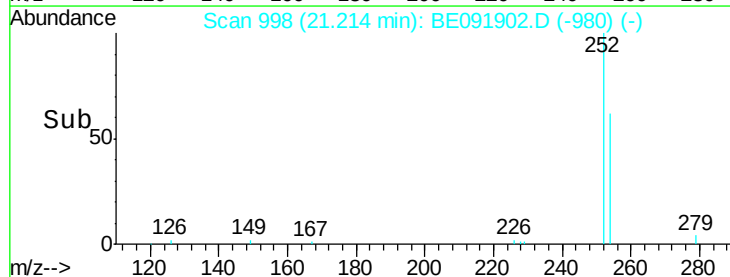
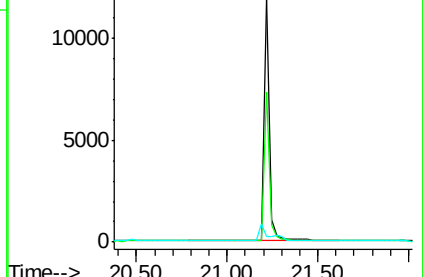
126 2.4 2.5 3.7#

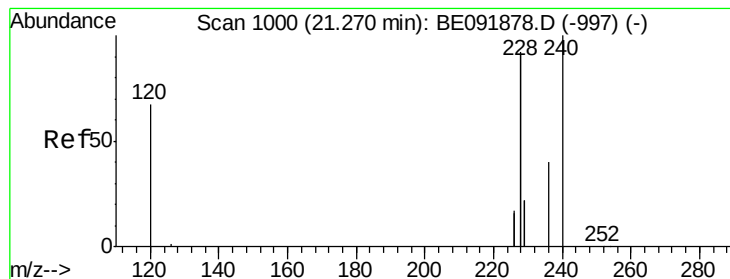


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 2.86 ng/mL

RT: 21.33 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

Instrument :

BNA_E

ClientSampleID :

PB91035BS

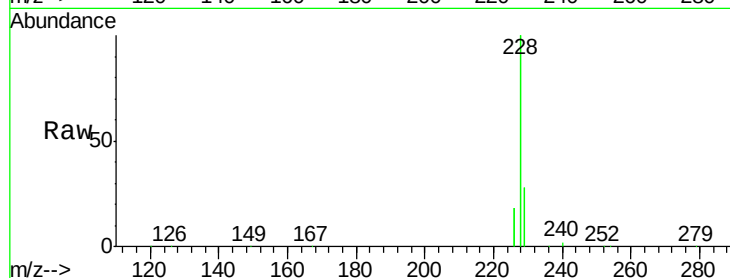
Tot Ion: 228 Resp: 326231

Ion Ratio Lower Upper

228 100

226 17.8 27.0 40.6#

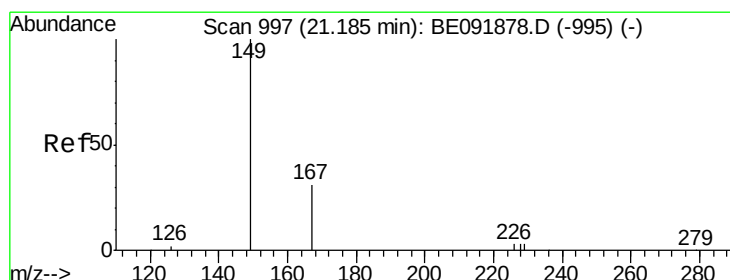
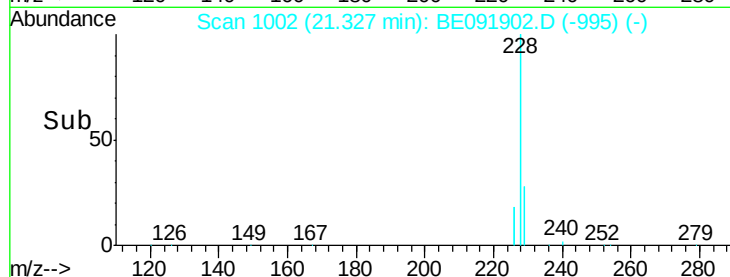
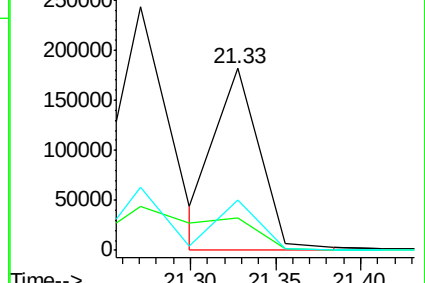
229 27.9 13.8 20.8#



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: 2.85 ng/mL

RT: 21.19 min Scan# 997

Delta R.T. 0.00 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

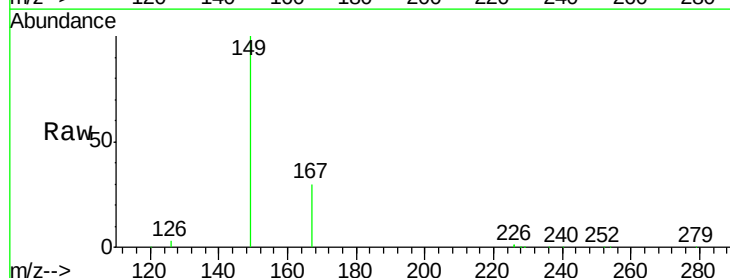
Tgt Ion: 149 Resp: 57648

Ion Ratio Lower Upper

149 100

167 29.5 0.0 0.0#

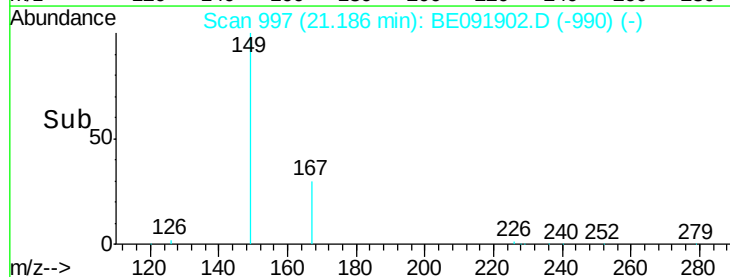
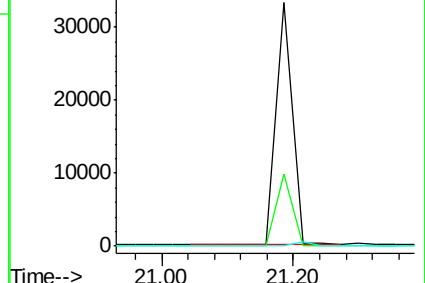
279 0.0 0.0 0.0

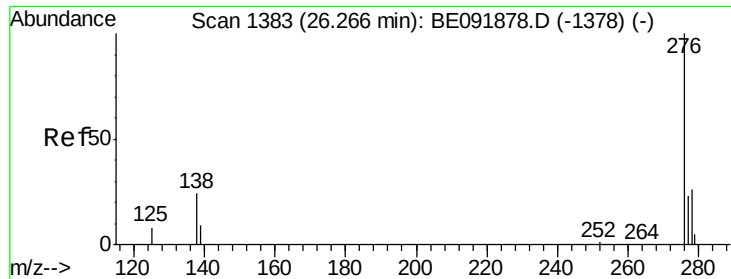


Abundance Ion 149.00 (148.70 to 149.70): E

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: 26.27 min Scan# 1383

Delta R.T. 0.00 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

Instrument :

BNA_E

ClientSampleId :

PB91035BS

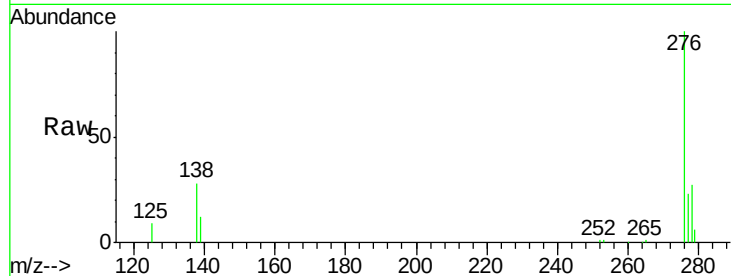
Tot Ion:276 Resp: 161786

Ion Ratio Lower Upper

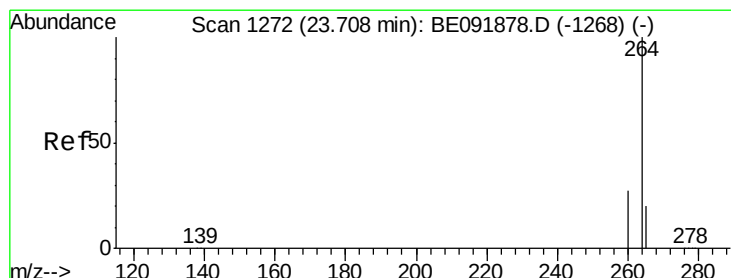
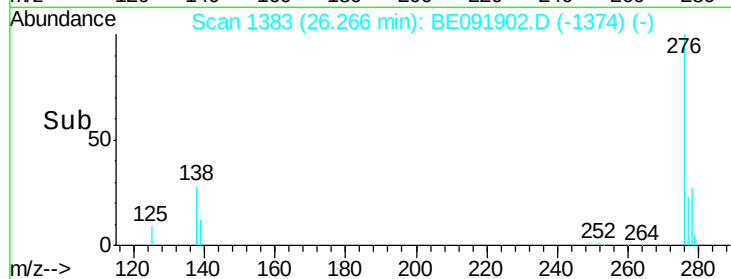
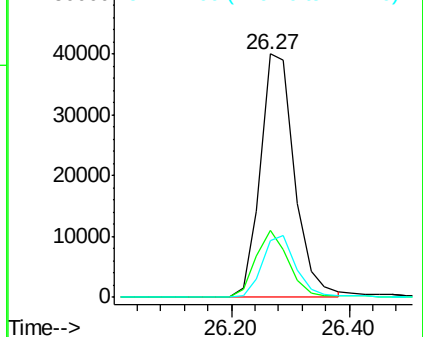
276 100

138 26.3 19.7 29.5

277 0.0 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: 23.71 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

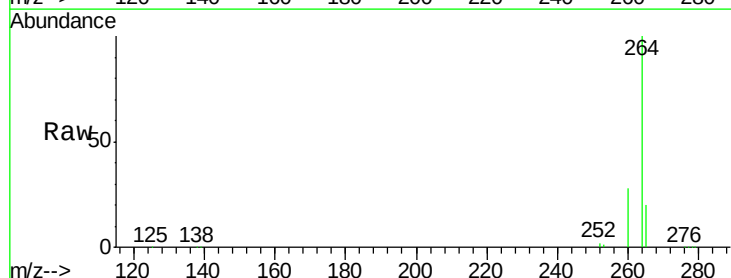
Tgt Ion:264 Resp: 161525

Ion Ratio Lower Upper

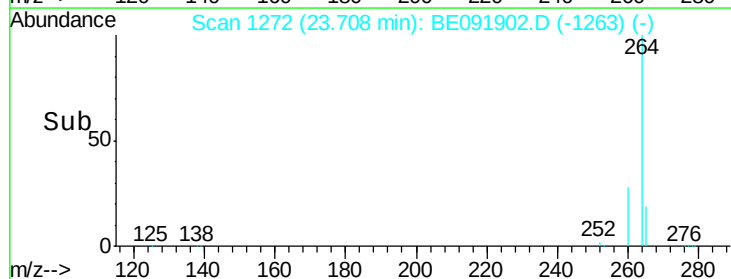
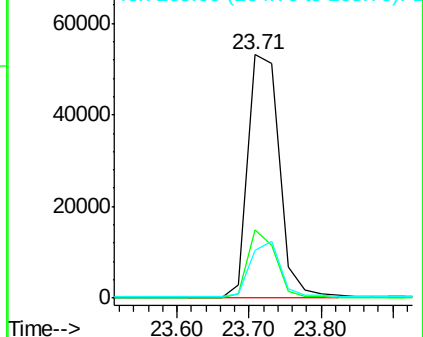
264 100

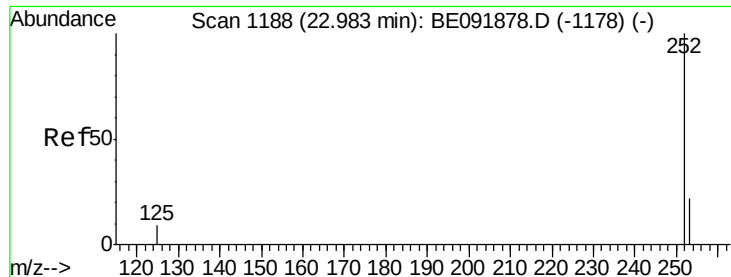
260 27.9 20.3 30.5

265 19.8 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: 3.32 ng m

RT: 22.98 min Scan# 1188

Delta R.T. 0.00 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

Instrument :

BNA_E

ClientSampleId :

PB91035BS

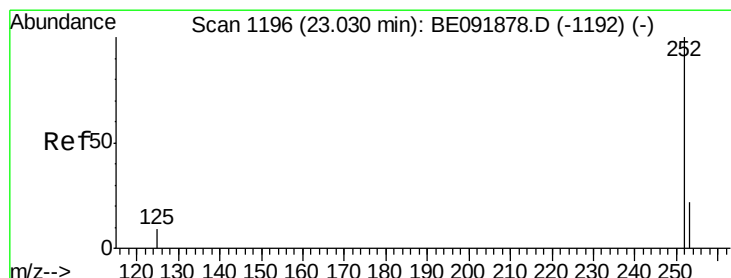
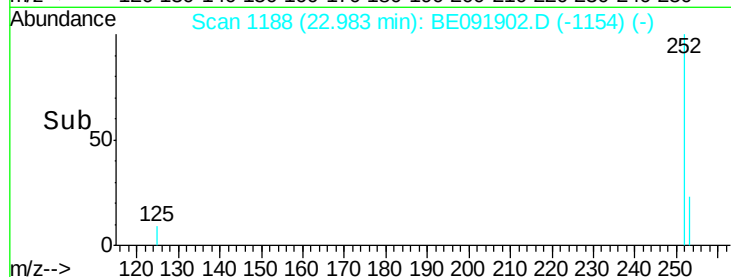
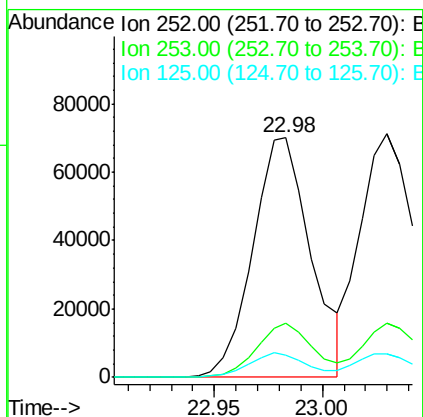
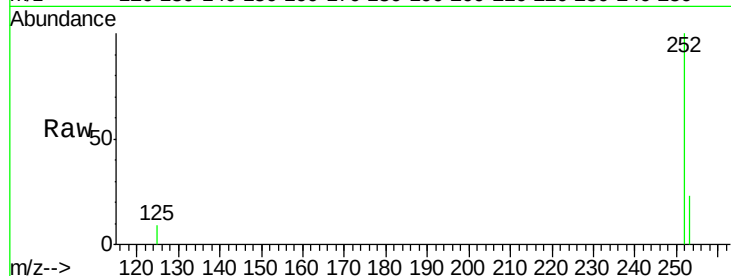
Tot Ion:252 Resp: 131082

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 9.3 9.4 14.2#



#42

Benzo(k)fluoranthene

Concen: 3.24 ng

RT: 23.03 min Scan# 1196

Delta R.T. 0.00 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

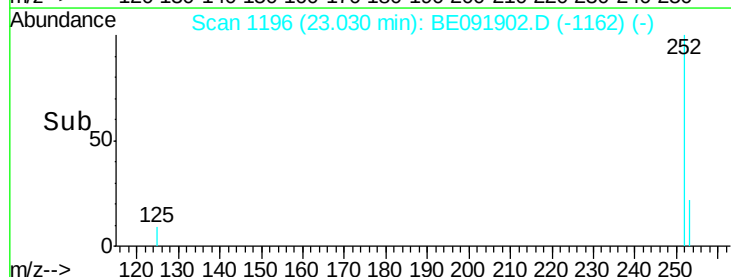
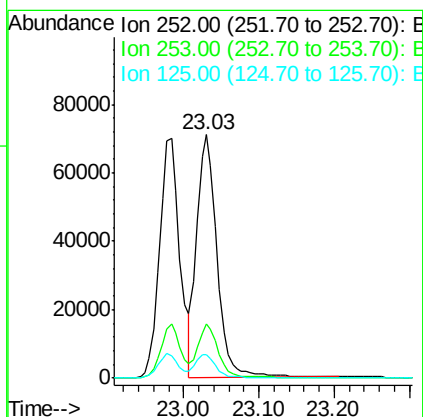
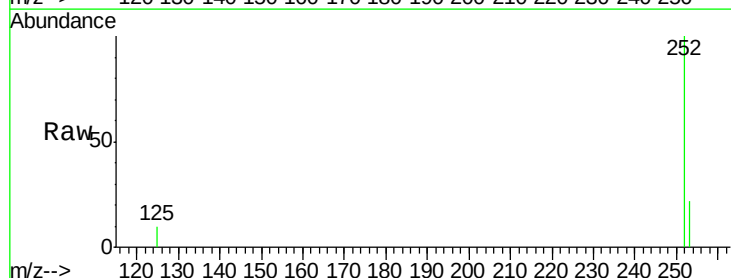
Tgt Ion:252 Resp: 132873

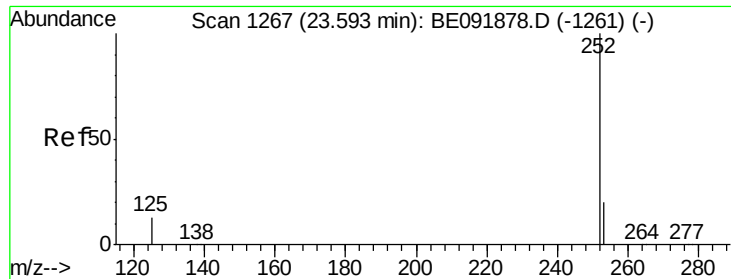
Ion Ratio Lower Upper

252 100

253 22.1 19.4 29.2

125 9.6 8.3 12.5





#43

Benzo(a)pyrene

Concen: 3.37 ng

RT: 23.62 min Scan# 1268

Delta R.T. 0.02 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

Instrument :

BNA_E

ClientSampled :

PB91035BS

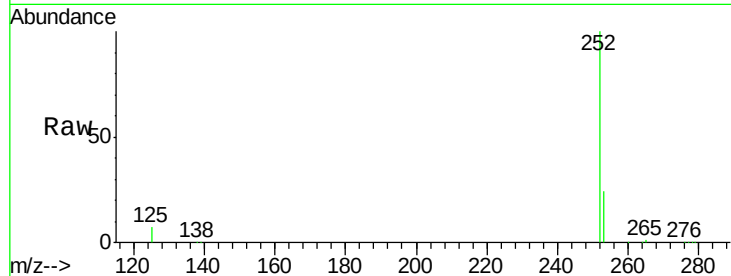
Tot Ion:252 Resp: 124782

Ion Ratio Lower Upper

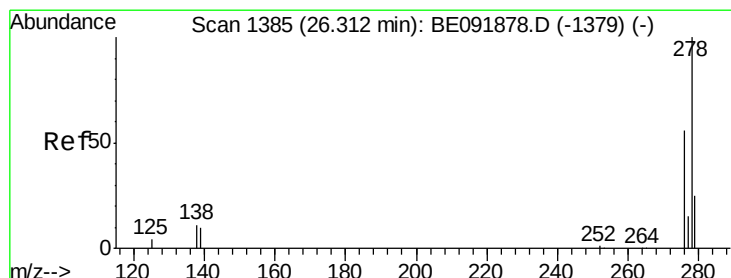
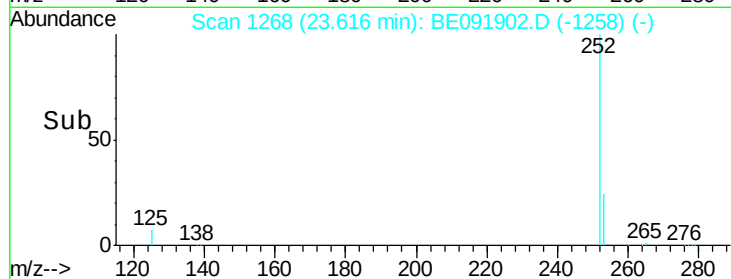
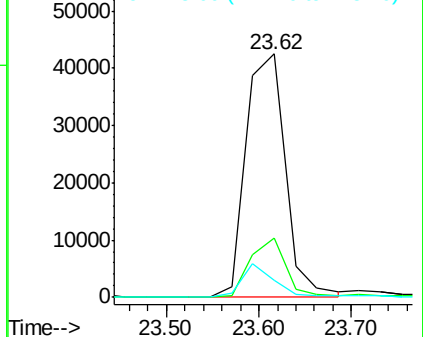
252 100

253 24.5 18.9 28.3

125 7.2 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: 4.02 ng

RT: 26.29 min Scan# 1384

Delta R.T. -0.02 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

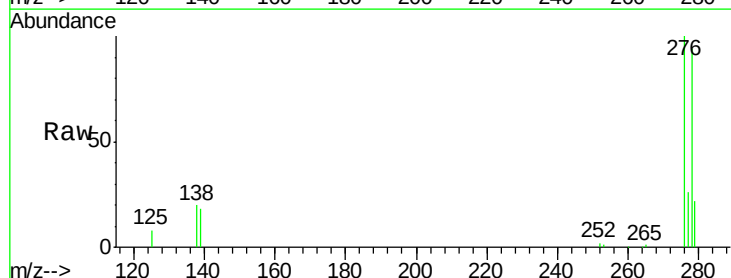
Tgt Ion:278 Resp: 138730

Ion Ratio Lower Upper

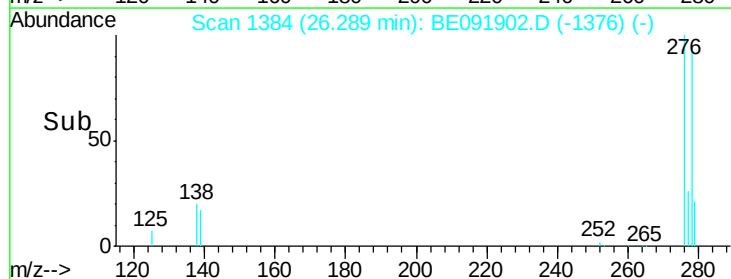
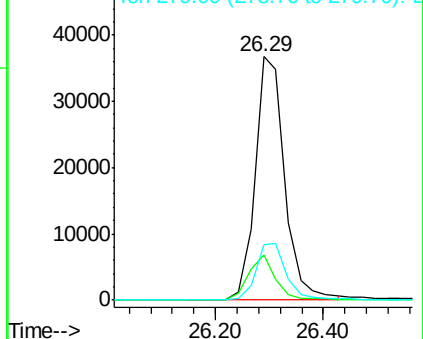
278 100

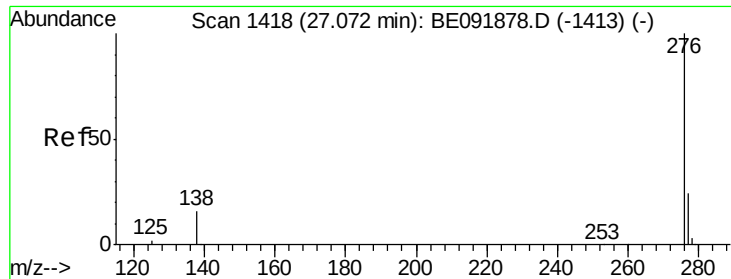
139 18.6 12.6 18.8

279 22.9 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

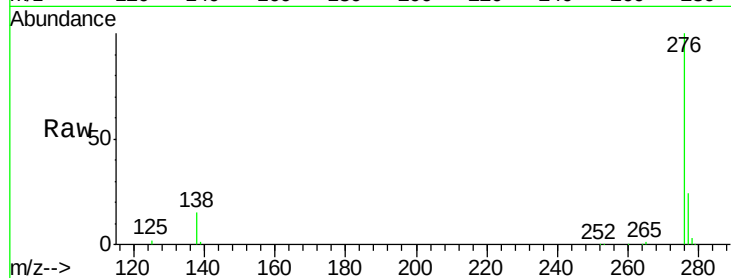




#45
 Benzo(a,h,i)perylene
 Concen: 3.95 ng
 RT: 27.07 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: BE091902.D
 Acq: 8 Jun 2016 15:40

Instrument :
 BNA_E
 ClientSampleId :
 PB91035BS

Tot Ion: 276 Resp: 143011
 Ion Ratio Lower Upper
 276 100
 277 24.2 19.5 29.3
 138 14.8 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

