

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 01:14:26 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	16499	2.97	ng	98
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	836716	6.15	ng	# 85
36) 3,3'-Dichlorobenzidine	21.21	252	23919	2.68	ng	# 83
37) Chrysene	21.27	228	843997	7.39	ng	# 75
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	23.03	252	131325	3.33	ng	98
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(g,h,i)perylene	27.07	276	143011	3.95	ng	# 93

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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

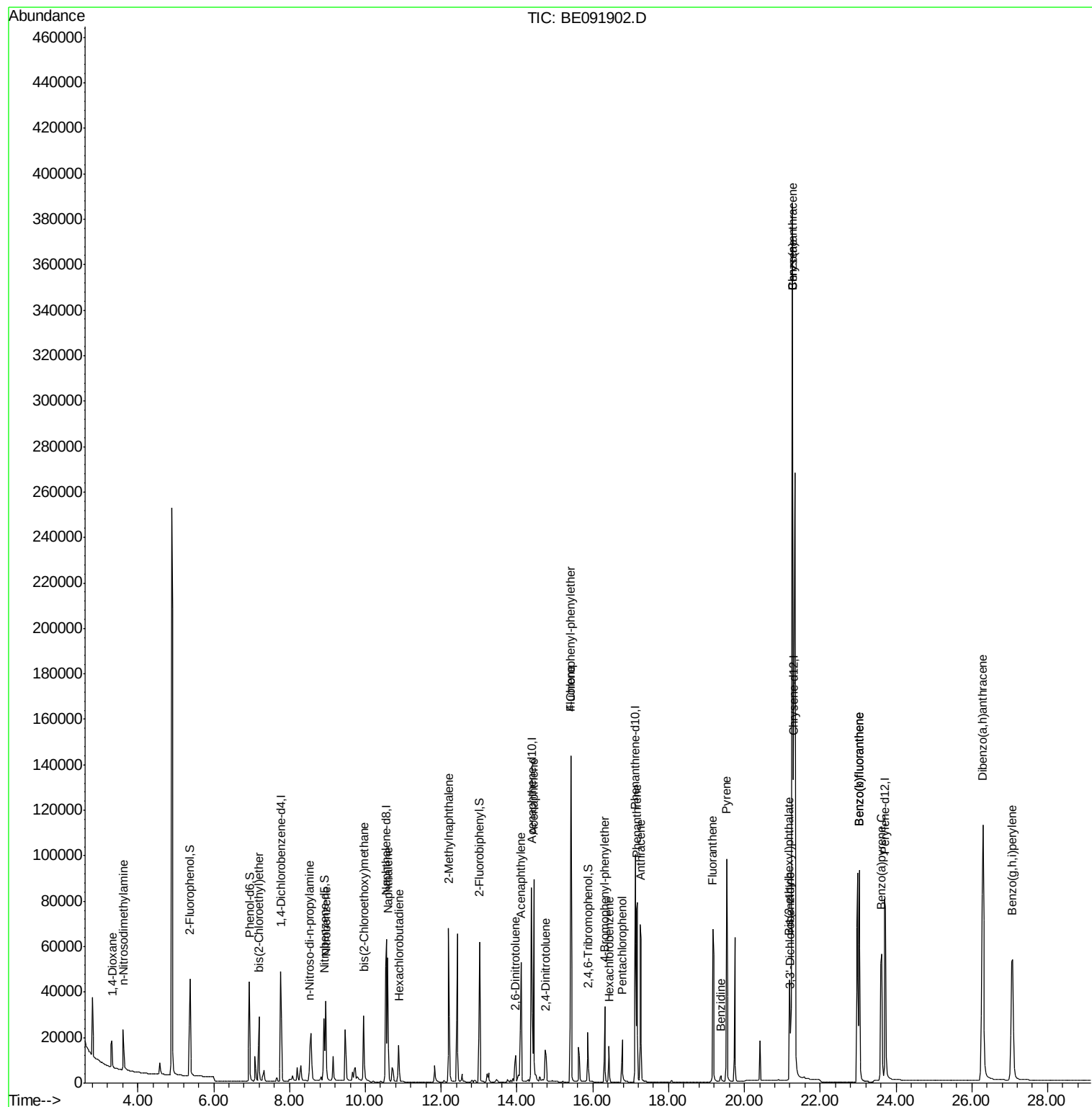
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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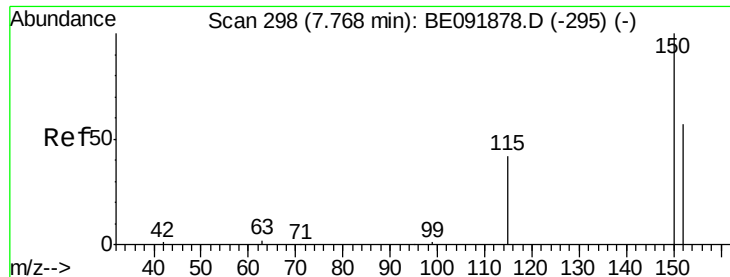
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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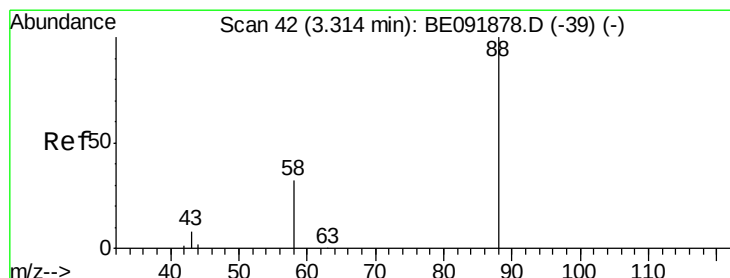
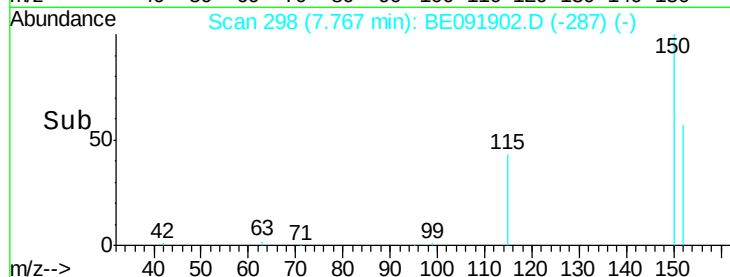
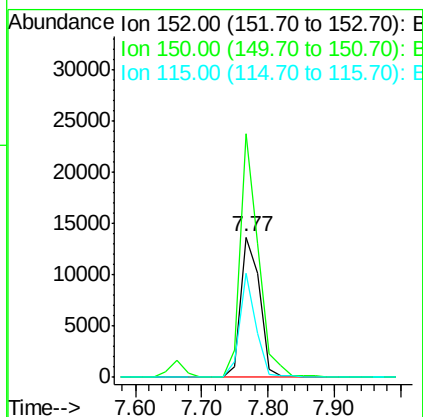
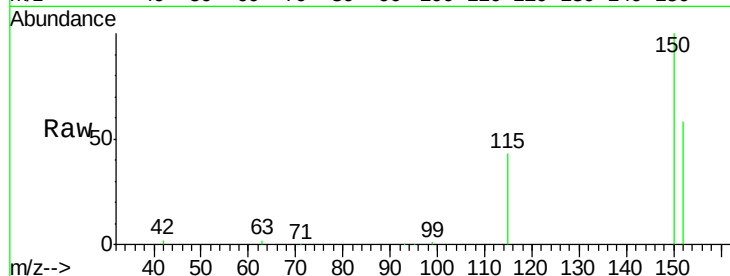




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.77 min Scan# 298
 Delta R.T. -0.00 min
 Lab File: BE091902.D
 Acq: 8 Jun 2016 15:40

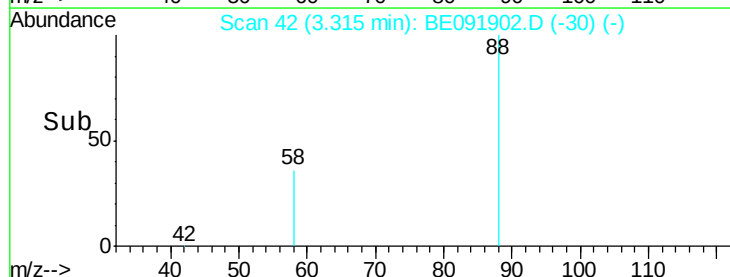
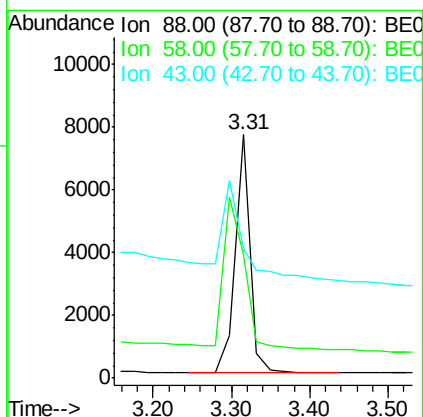
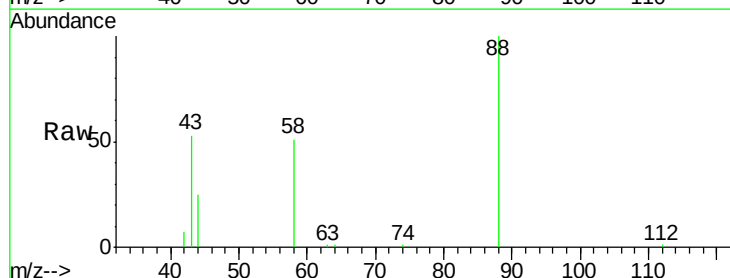
Instrument :
 BNA_E
 ClientSampleId :
 PB91035BS

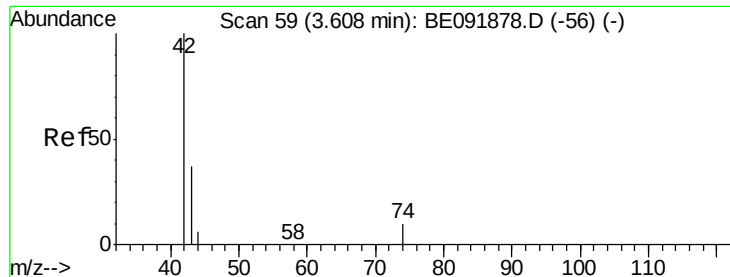
Tgt Ion:152 Resp: 26717
 Ion Ratio Lower Upper
 152 100
 150 173.9 123.9 185.9
 115 74.4 48.3 72.5#



#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#





#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

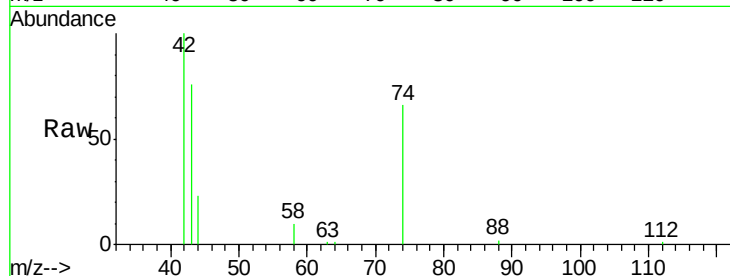
Tgt Ion: 42 Resp: 13675

Ion Ratio Lower Upper

42 100

74 110.1 93.4 140.0

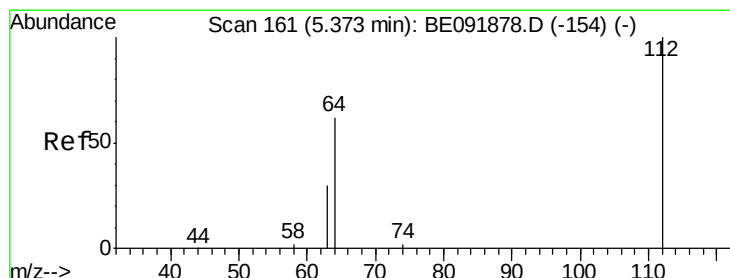
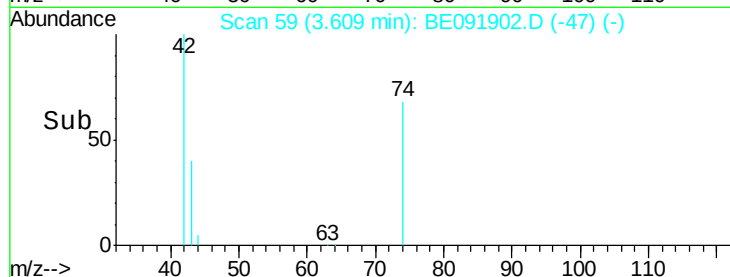
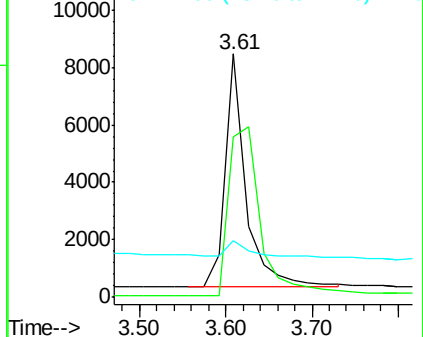
44 9.0 5.0 7.6#



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

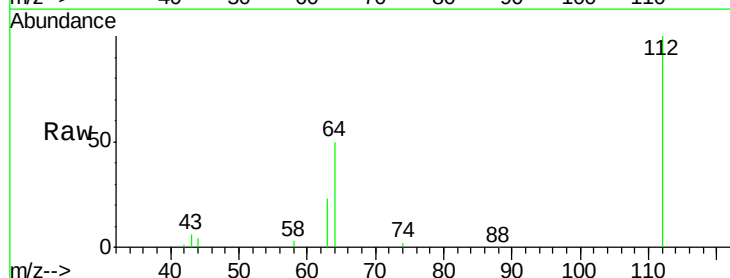
Tgt Ion: 112 Resp: 38282

Ion Ratio Lower Upper

112 100

64 65.8 53.7 80.5

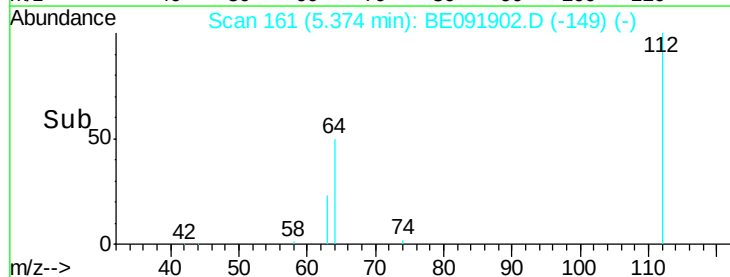
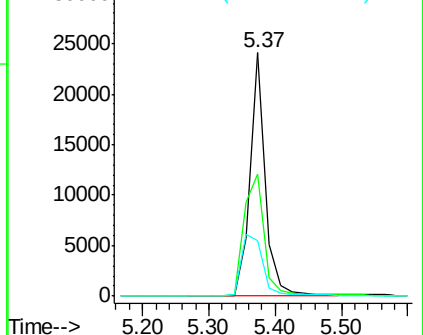
63 35.4 29.5 44.3

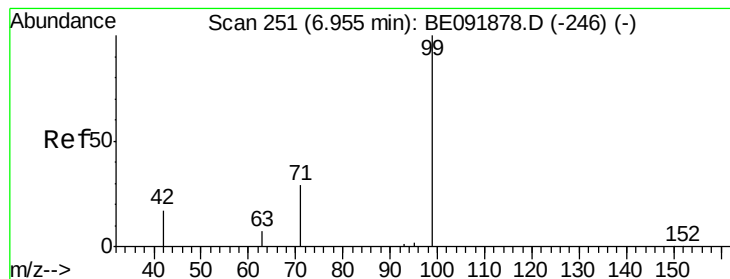


Abundance Ion 112.00 (111.70 to 112.70): E

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

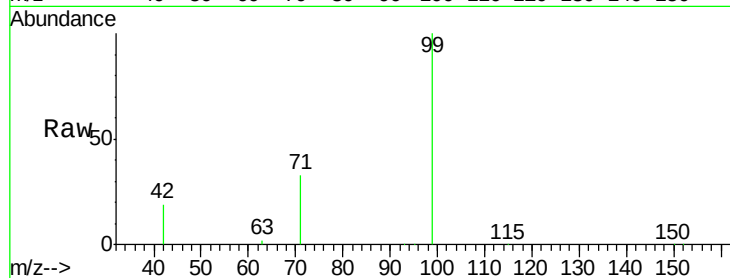
Tgt Ion: 99 Resp: 48698

Ion Ratio Lower Upper

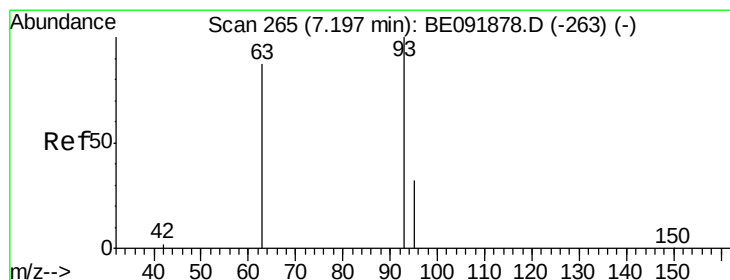
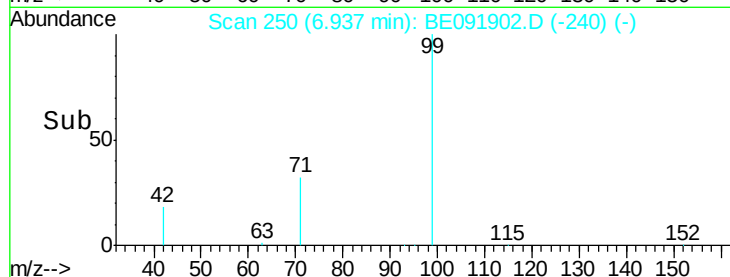
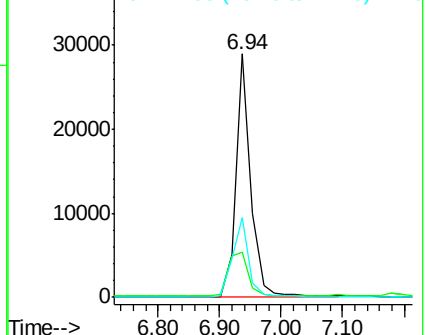
99 100

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

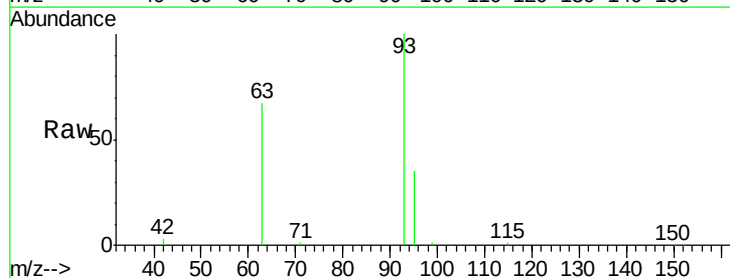
Tgt Ion: 93 Resp: 23524

Ion Ratio Lower Upper

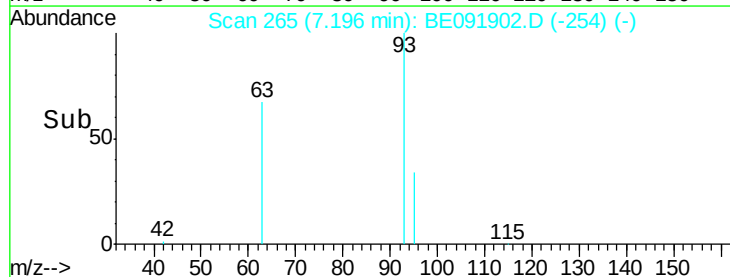
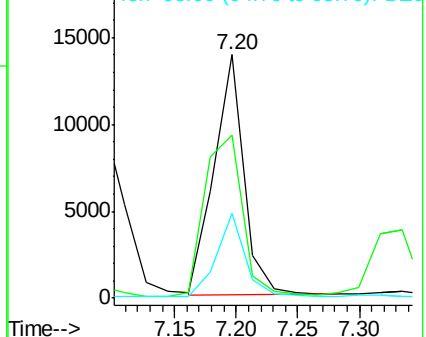
93 100

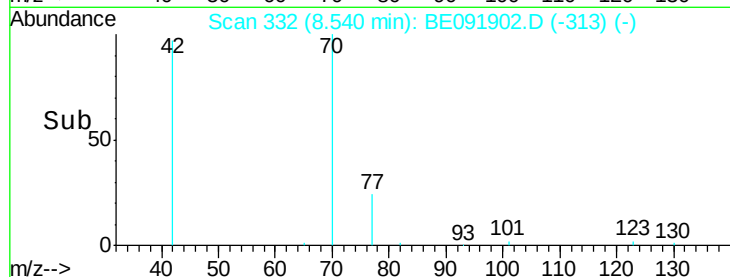
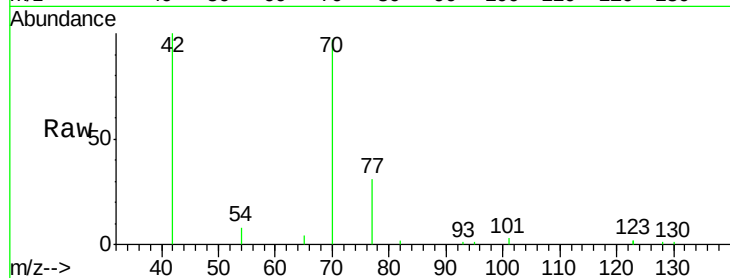
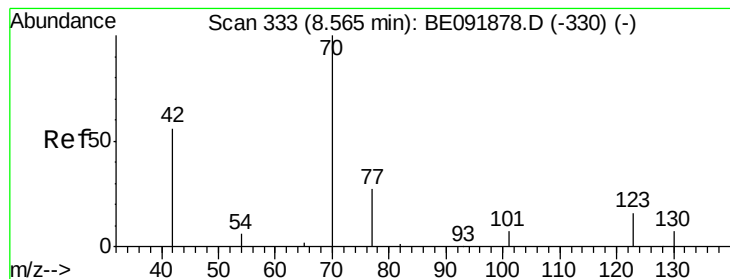
63 85.2 66.2 99.4

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

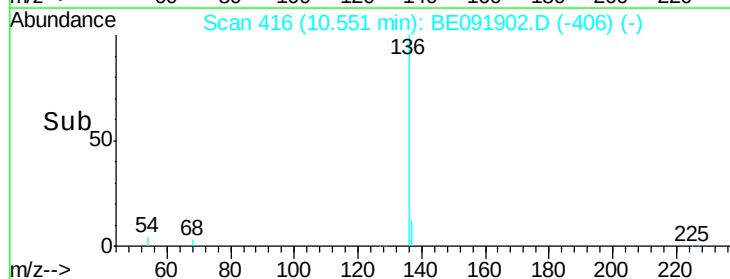
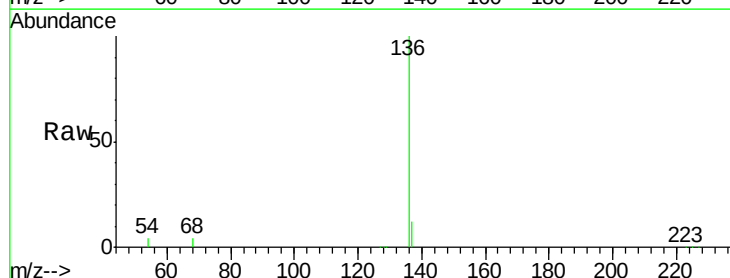
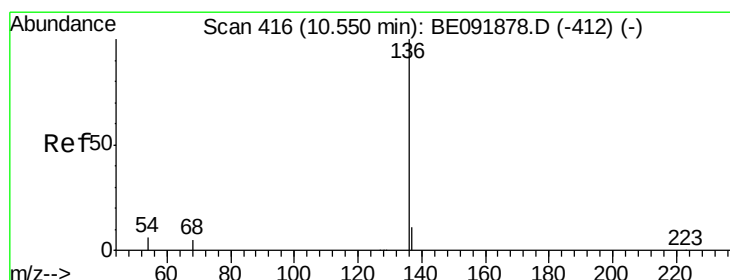
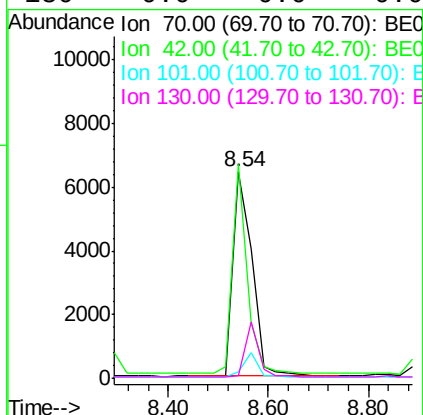
ClientSampleId :

PB91035BS

Tgt 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



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 416

Delta R.T. 0.00 min

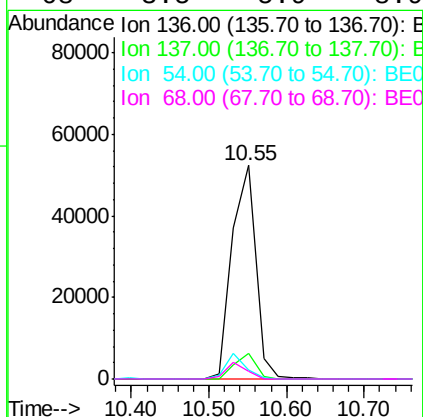
Lab File: BE091902.D

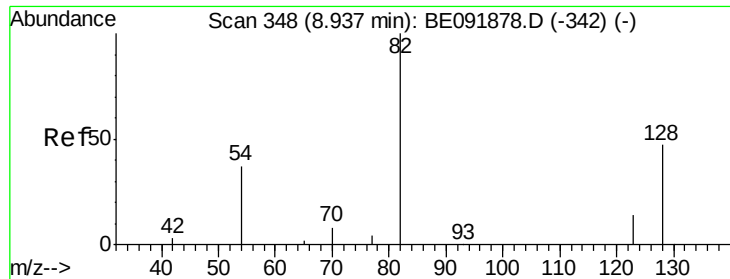
Acq: 8 Jun 2016 15:40

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#





#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

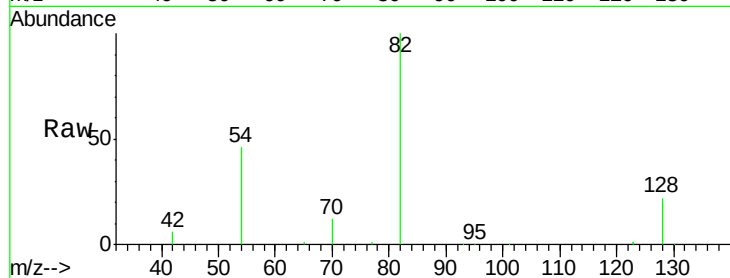
Tgt Ion: 82 Resp: 29550

Ion Ratio Lower Upper

82 100

128 21.9 39.5 59.3#

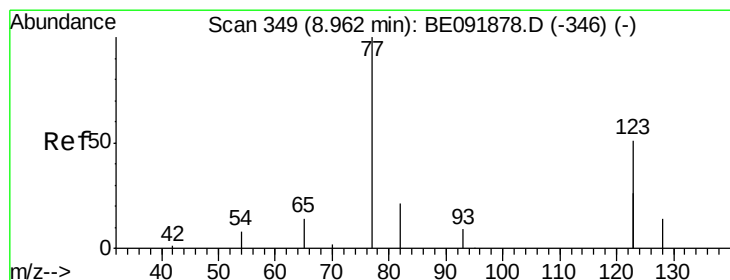
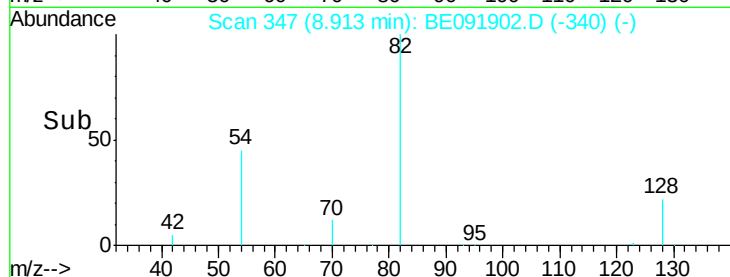
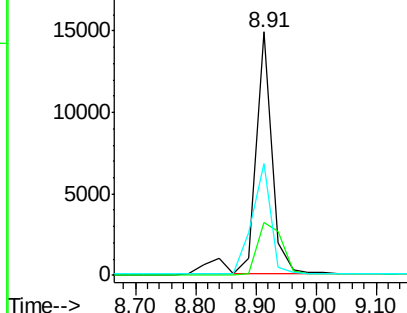
54 45.7 30.3 45.5#



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

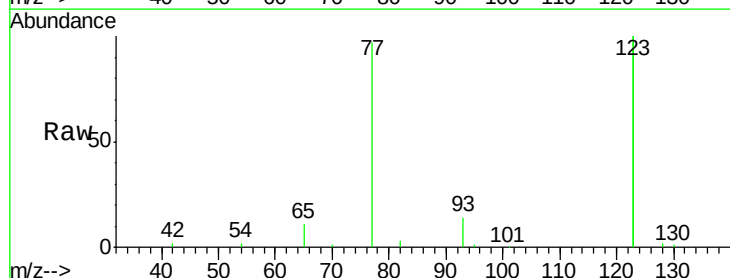
Tgt Ion: 77 Resp: 24843

Ion Ratio Lower Upper

77 100

123 163.9 0.0 0.0#

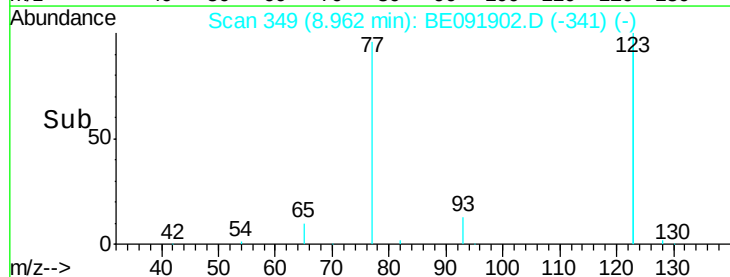
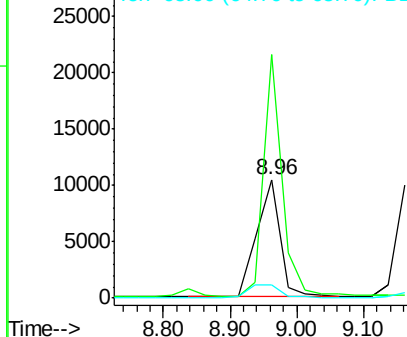
65 0.0 11.1 16.7#

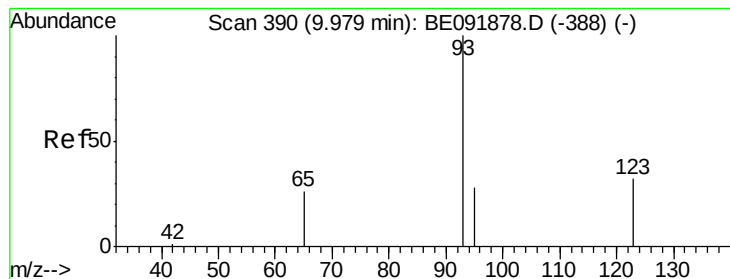


Abundance Ion 77.00 (76.70 to 77.70): BE0

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

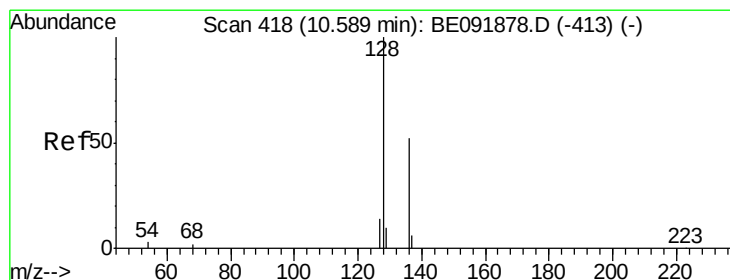
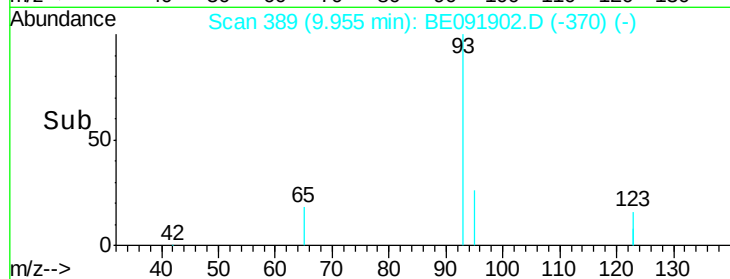
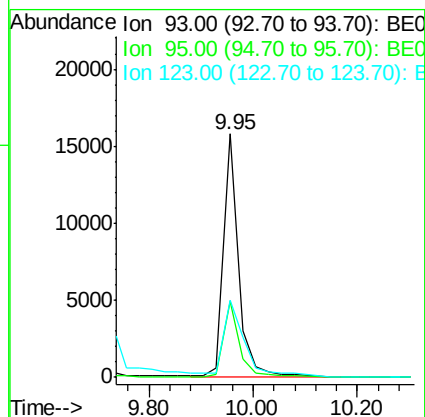
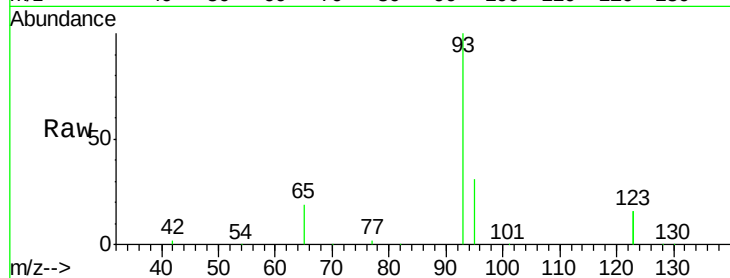
Tgt Ion: 93 Resp: 35821

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

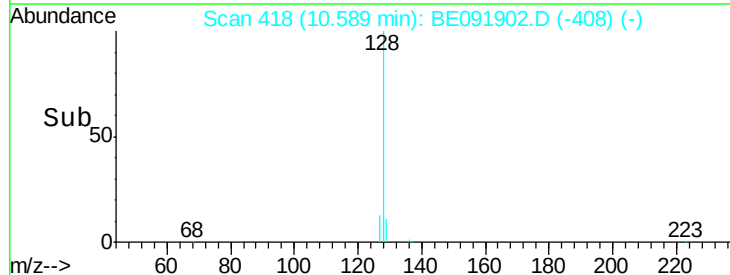
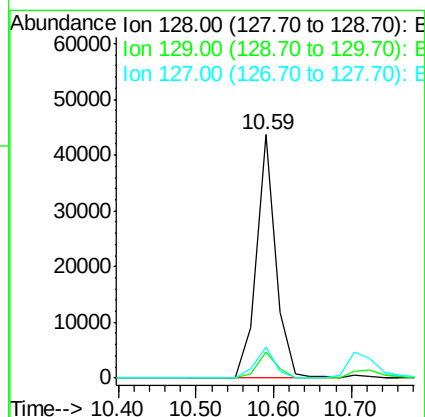
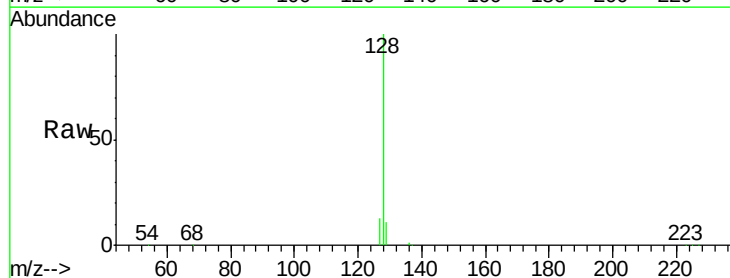
Tgt Ion: 128 Resp: 75578

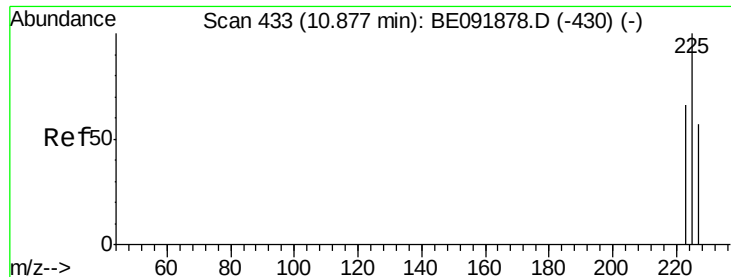
Ion Ratio Lower Upper

128 100

129 10.9 10.4 15.6

127 12.9 10.2 15.2

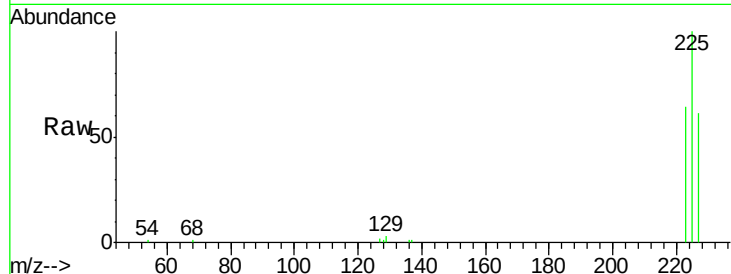




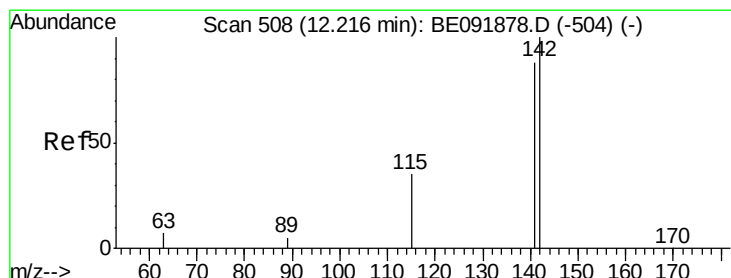
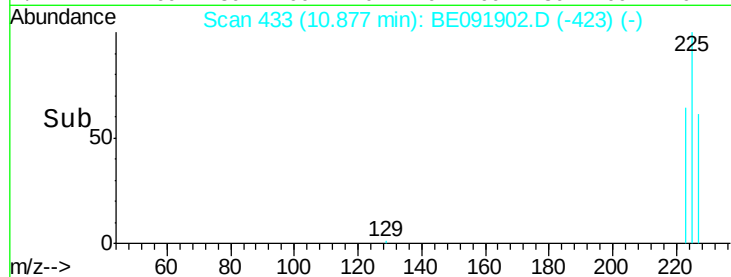
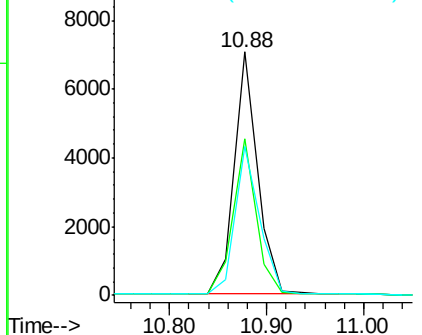
#13
Hexachlorobutadiene
Concen: 3.25 ng
RT: 10.88 min Scan# 433
Delta R.T. 0.00 min
Lab File: BE091902.D
Acq: 8 Jun 2016 15:40

Instrument :
BNA_E
ClientSampleId :
PB91035BS

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

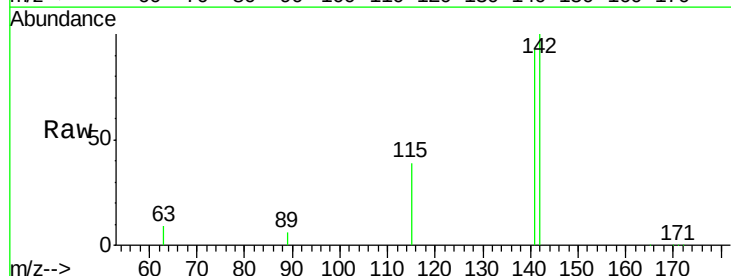


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

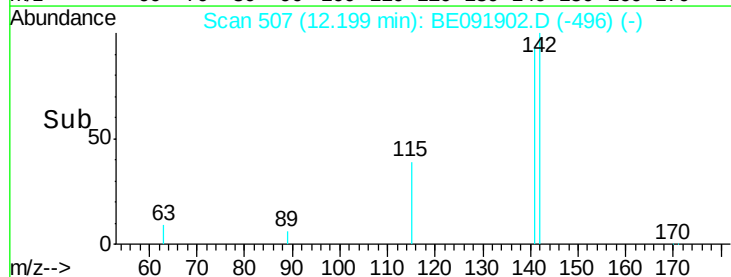
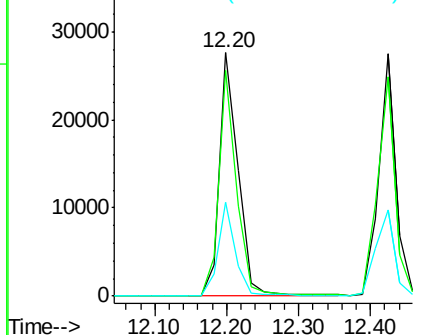


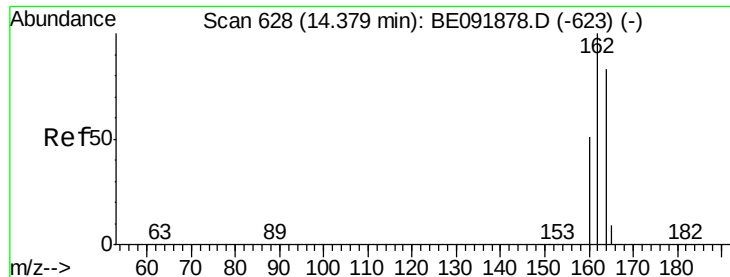
#14
2-Methylnaphthalene
Concen: 3.21 ng
RT: 12.20 min Scan# 507
Delta R.T. -0.02 min
Lab File: BE091902.D
Acq: 8 Jun 2016 15:40

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

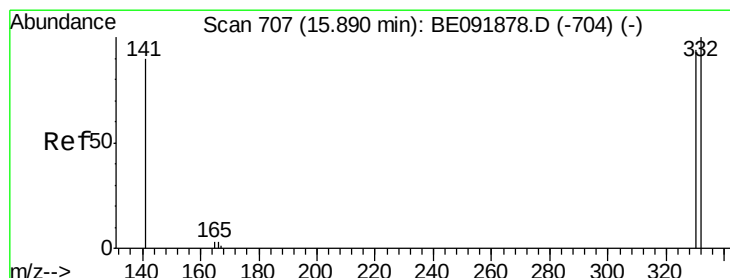
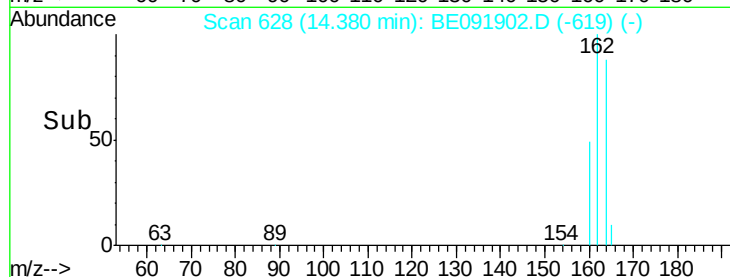
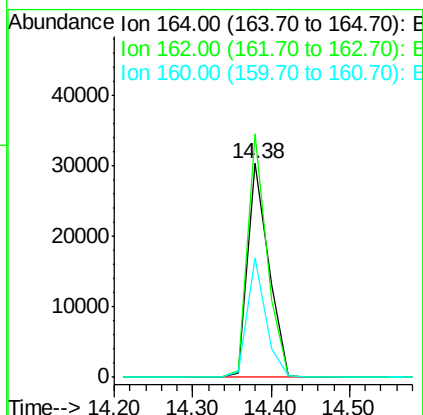
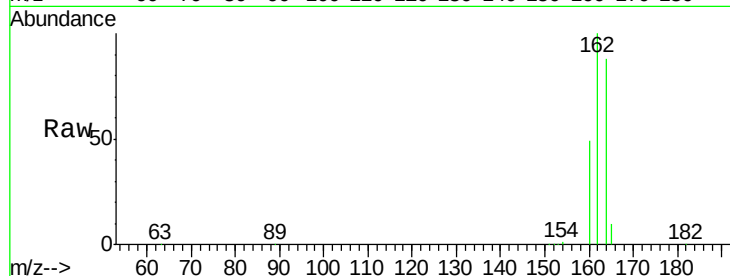
Tgt Ion:164 Resp: 56015

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

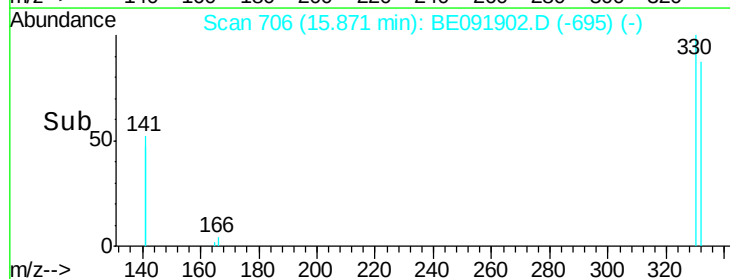
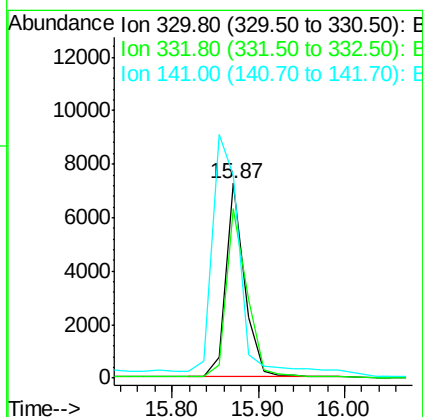
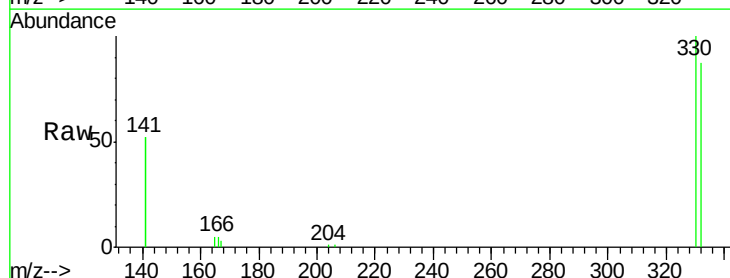
Tgt Ion:330 Resp: 11017

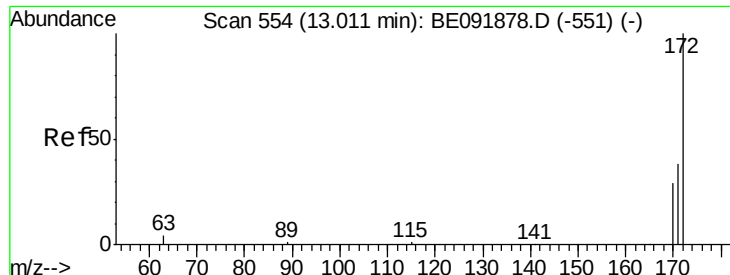
Ion Ratio Lower Upper

330 100

332 95.1 77.0 115.6

141 166.1 138.4 207.6

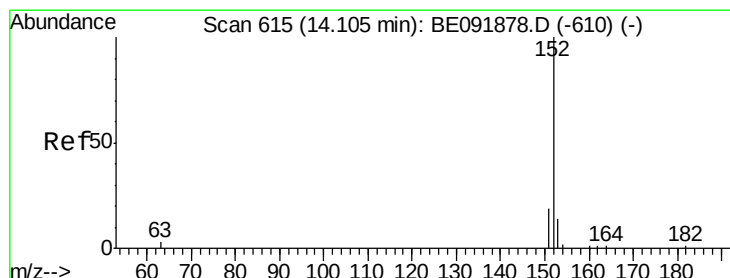
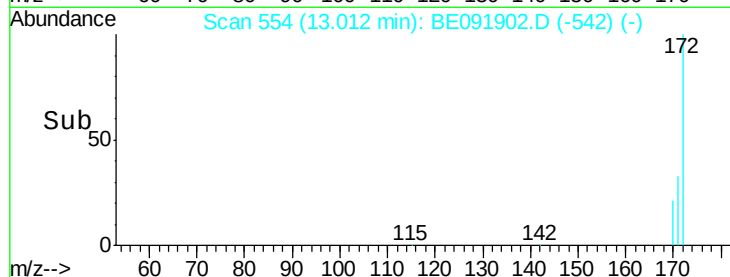
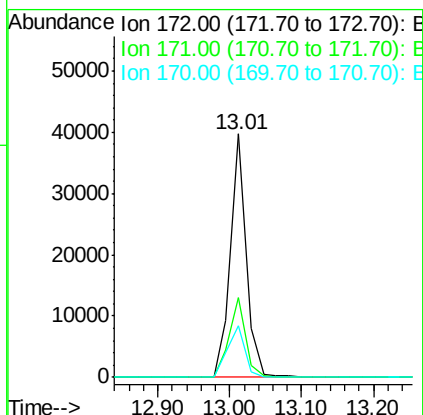
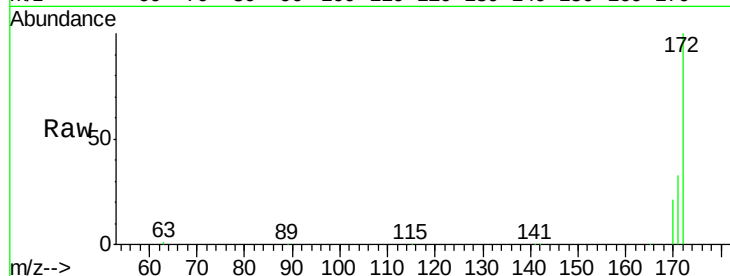




#17
2-Fluorobiphenyl
Concen: 3.54 ng
RT: 13.01 min Scan# 554
Delta R.T. 0.00 min
Lab File: BE091902.D
Acq: 8 Jun 2016 15:40

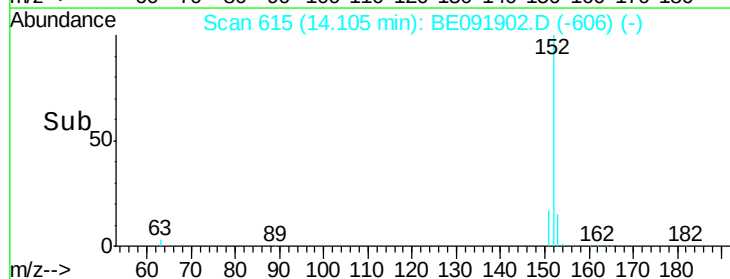
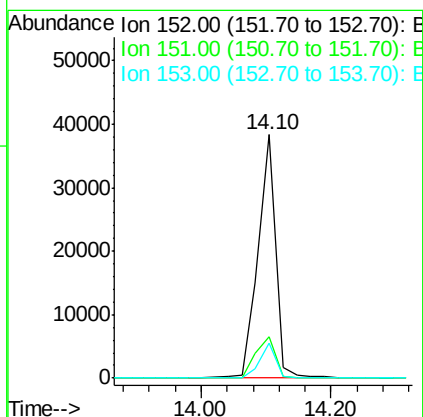
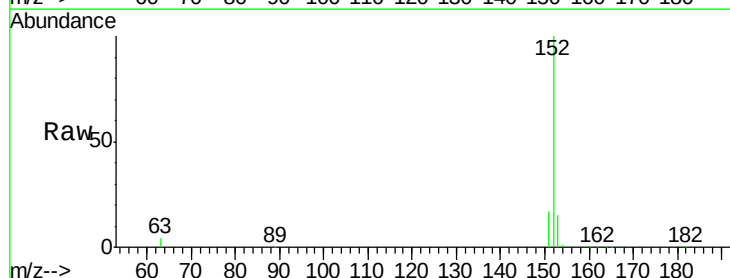
Instrument :
BNA_E
ClientSampleId :
PB91035BS

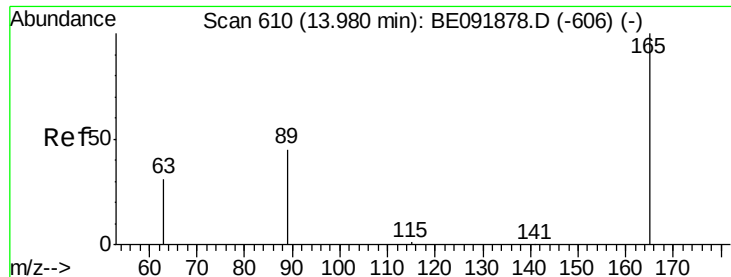
Tgt Ion:172 Resp: 60186
Ion Ratio Lower Upper
172 100
171 32.9 24.3 36.5
170 21.1 14.9 22.3



#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#

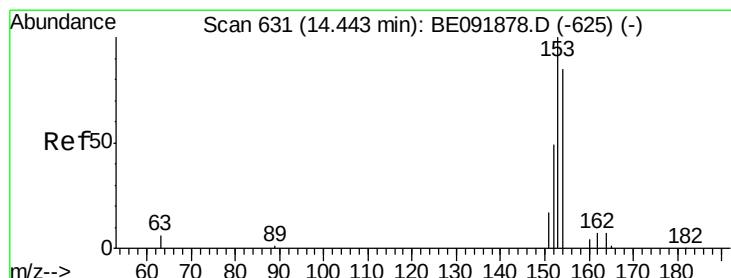
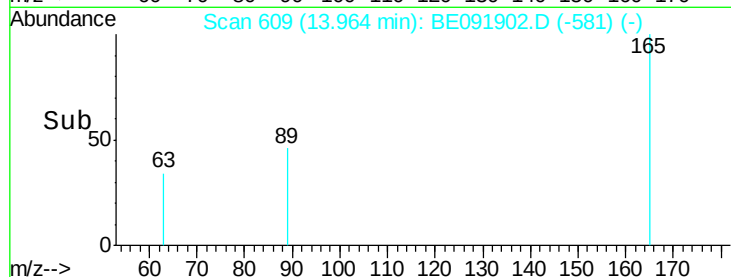
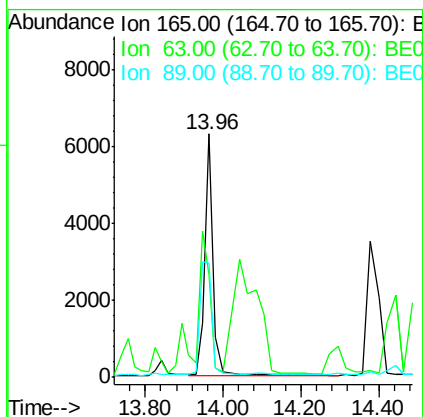
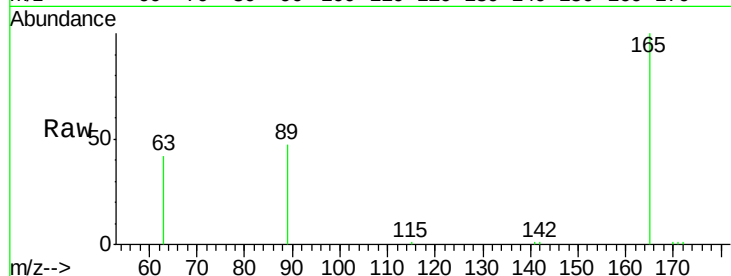




#19
2,6-Dinitrotoluene
Concen: 3.01 ng
RT: 13.96 min Scan# 609
Delta R.T. -0.02 min
Lab File: BE091902.D
Acq: 8 Jun 2016 15:40

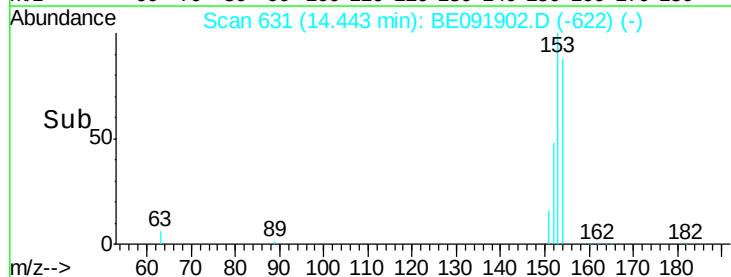
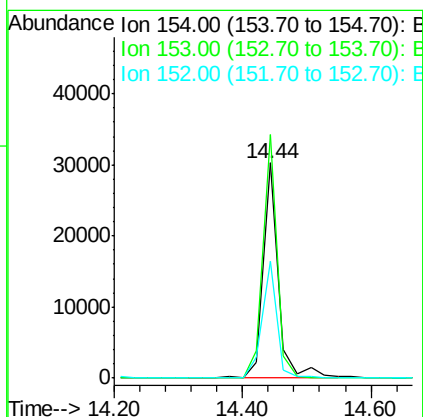
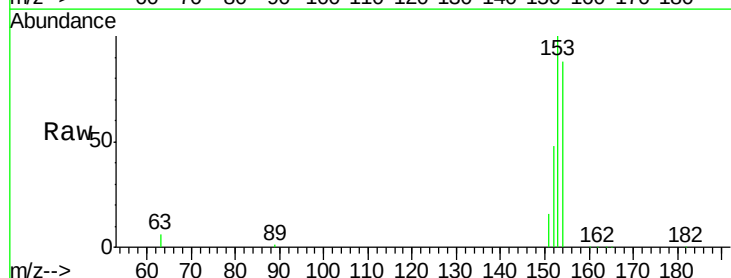
Instrument :
BNA_E
ClientSampleId :
PB91035BS

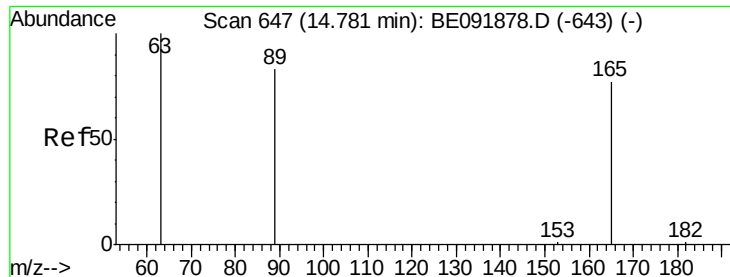
Tgt Ion:165 Resp: 11257
Ion Ratio Lower Upper
165 100
63 80.3 65.9 98.9
89 68.4 59.1 88.7



#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

Tgt Ion:165 Resp: 12018

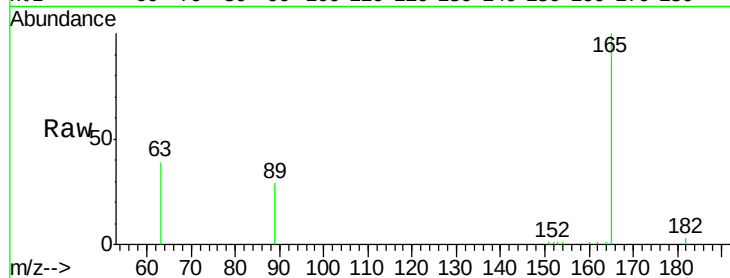
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 2.3 0.0 0.0#



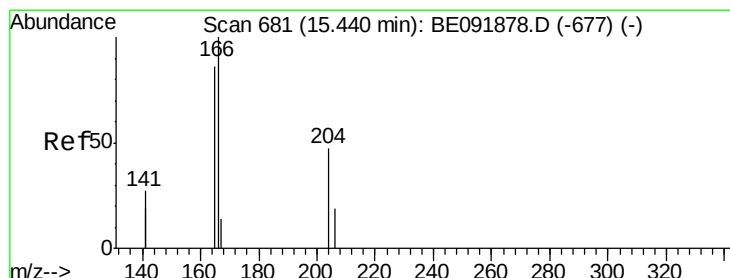
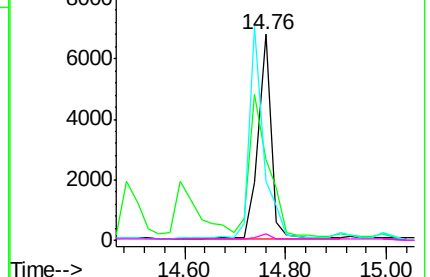
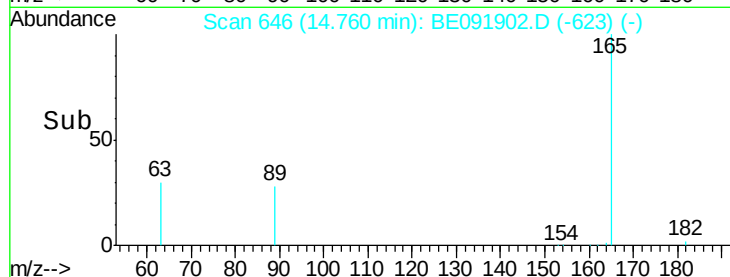
Abundance Ion 165.00 (164.70 to 165.70): E

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

Time-->



#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

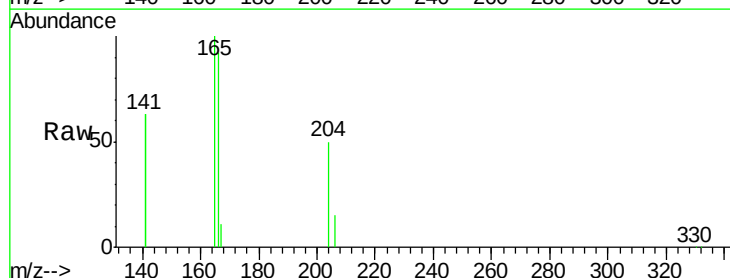
Tgt Ion:166 Resp: 58245

Ion Ratio Lower Upper

166 100

165 98.3 78.6 117.8

167 13.6 10.8 16.2

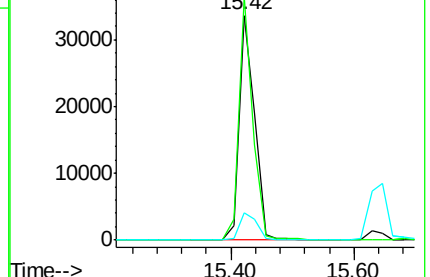
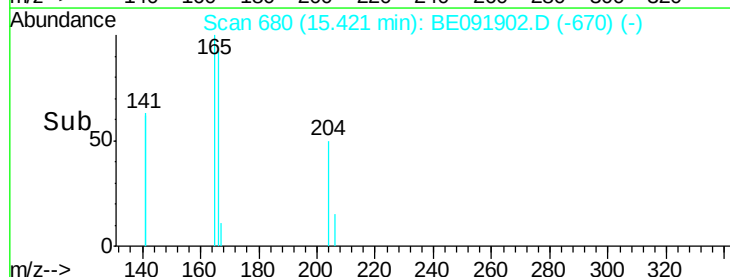


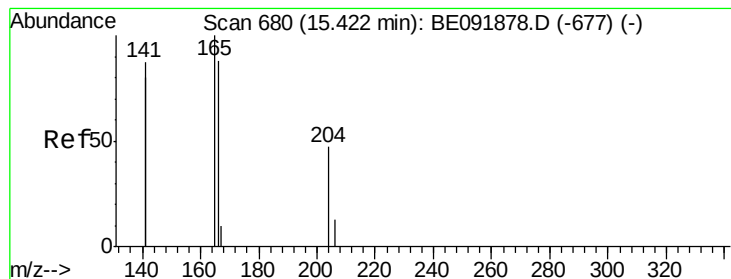
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->





#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

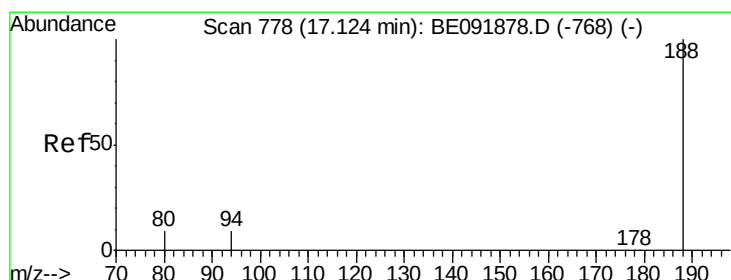
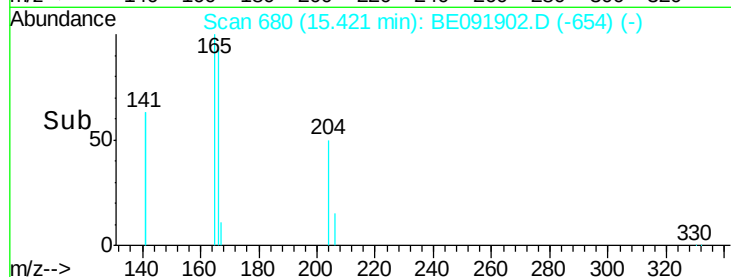
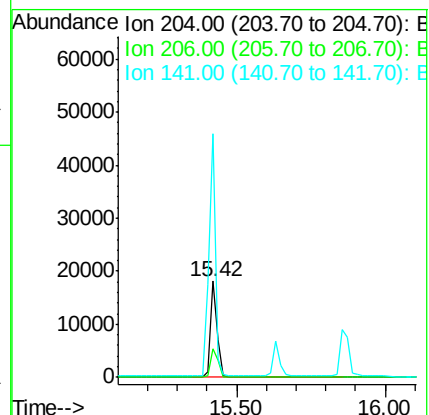
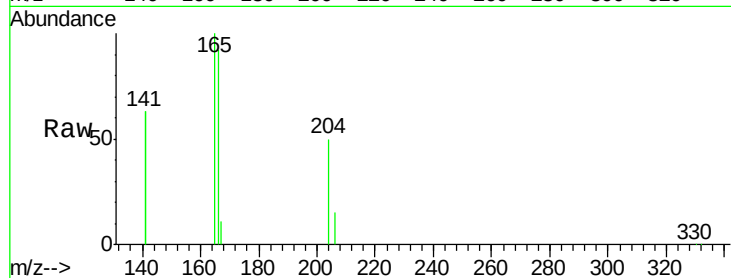
Tgt Ion:204 Resp: 27808

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

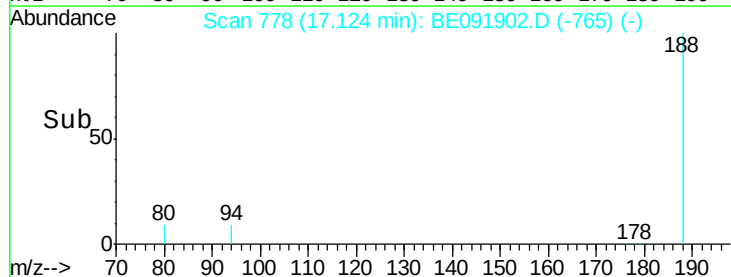
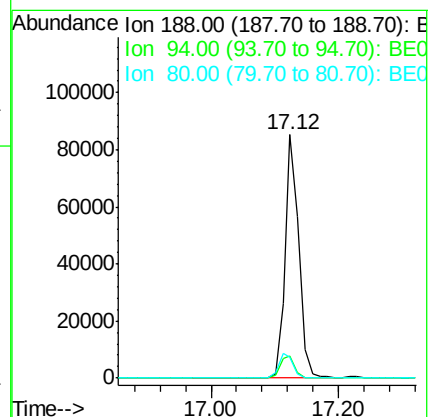
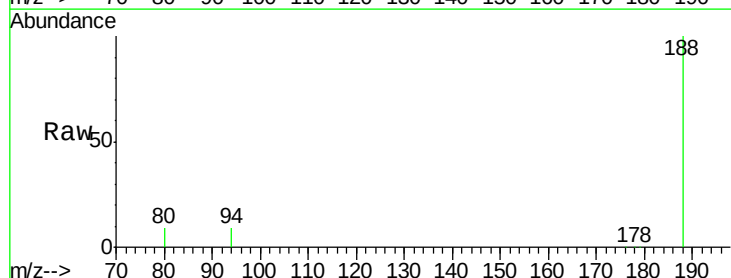
Tgt Ion:188 Resp: 151082

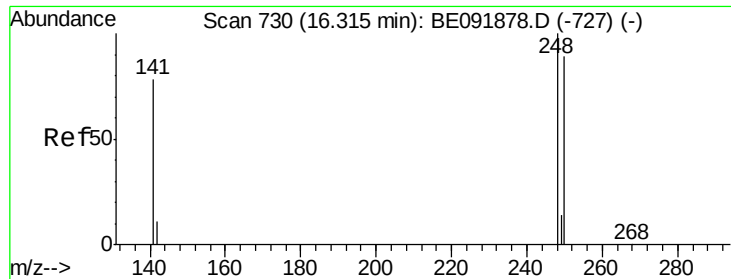
Ion Ratio Lower Upper

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

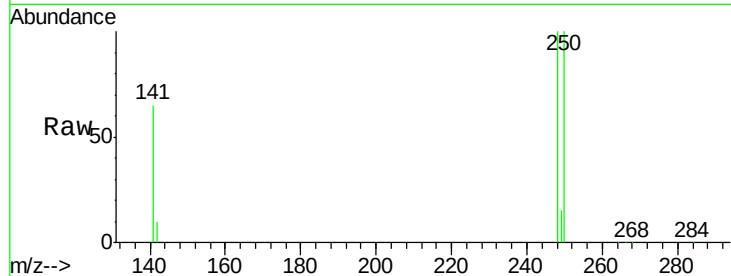
Tgt Ion:248 Resp: 16500

Ion Ratio Lower Upper

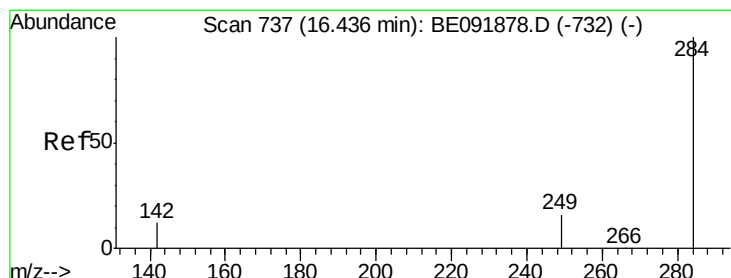
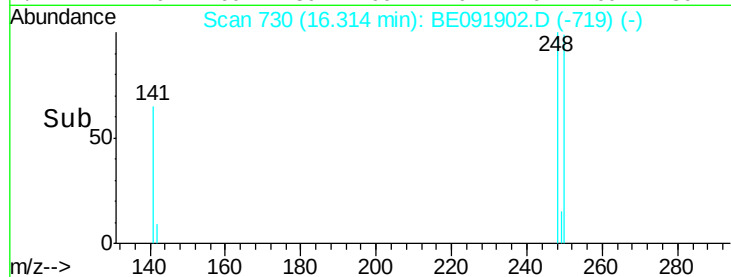
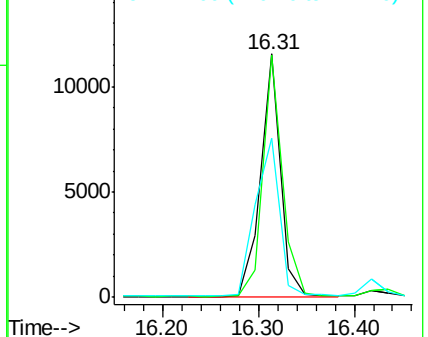
248 100

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: 2.97 ng

RT: 16.43 min Scan# 737

Delta R.T. -0.00 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

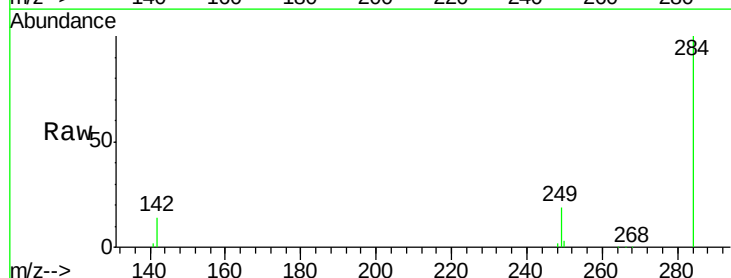
Tgt Ion:284 Resp: 16499

Ion Ratio Lower Upper

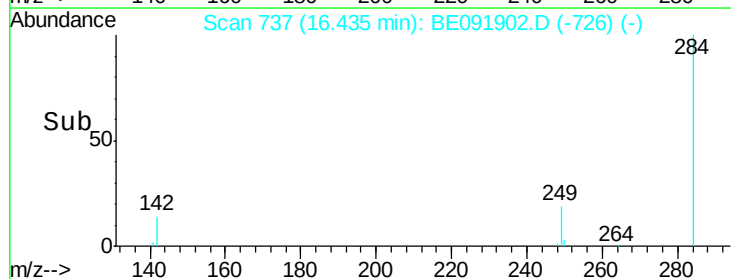
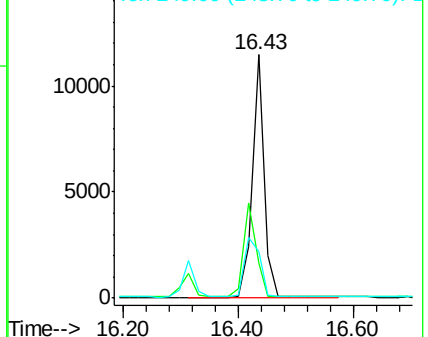
284 100

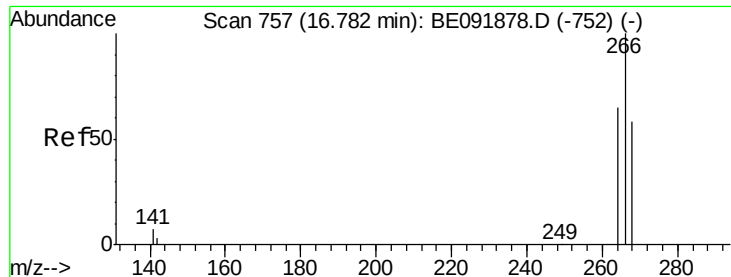
142 40.6 31.4 47.2

249 32.5 25.3 37.9



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#27

Pentachlorophenol

Concen: 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

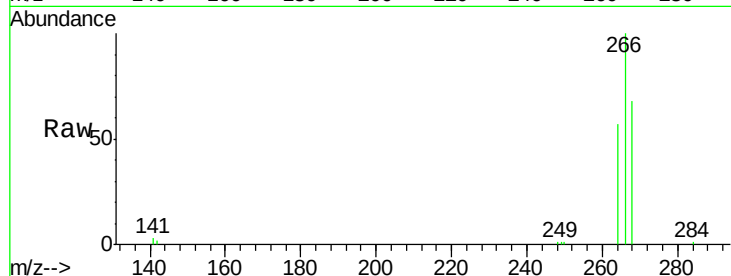
Tgt Ion:266 Resp: 14675

Ion Ratio Lower Upper

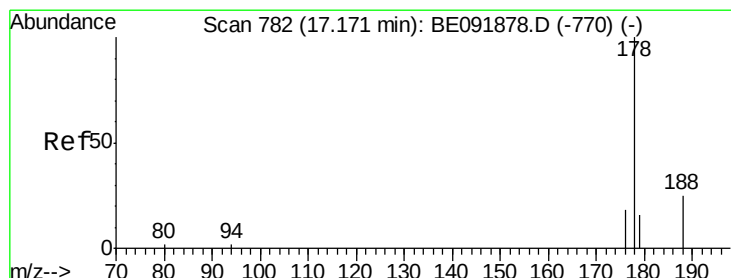
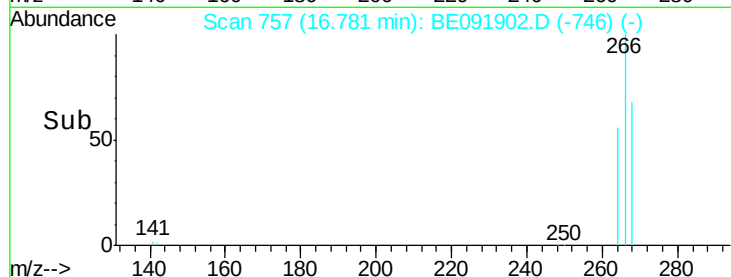
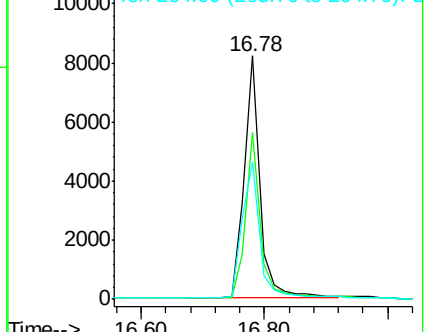
266 100

268 68.3 60.5 90.7

264 56.6 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: 2.82 ng

RT: 17.17 min Scan# 782

Delta R.T. 0.00 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

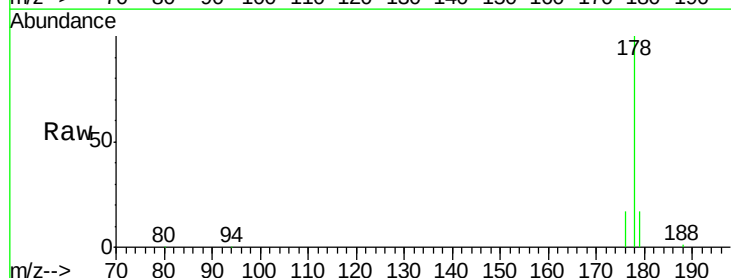
Tgt Ion:178 Resp: 98507

Ion Ratio Lower Upper

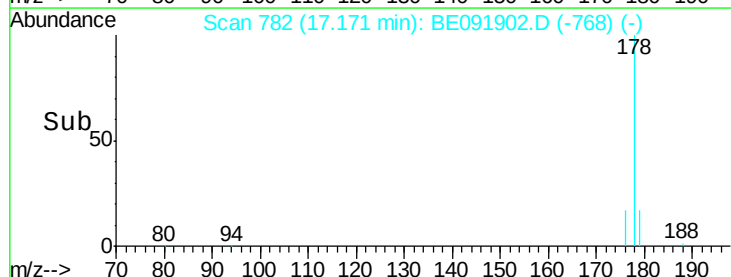
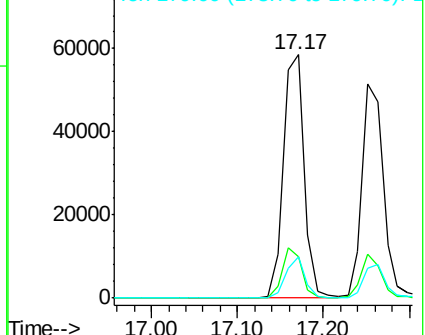
178 100

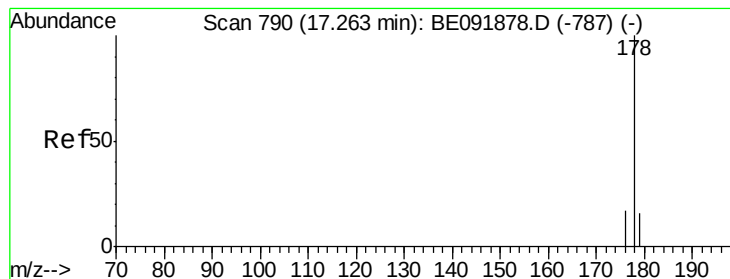
176 19.4 15.4 23.2

179 15.4 12.9 19.3



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: 2.88 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

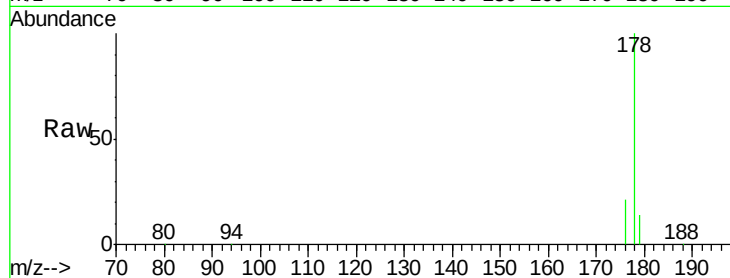
Tgt Ion:178 Resp: 89872

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

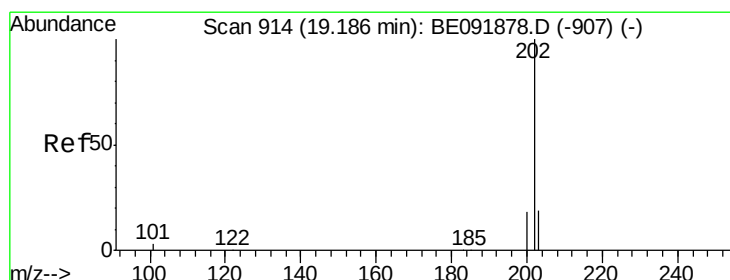
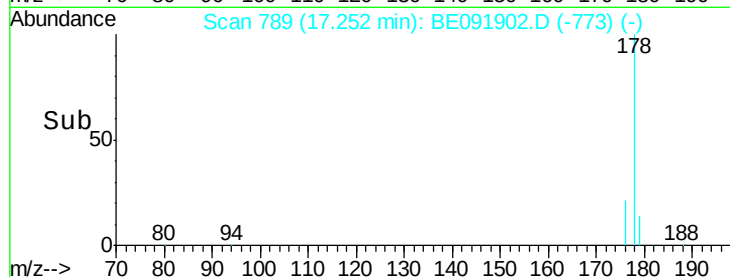
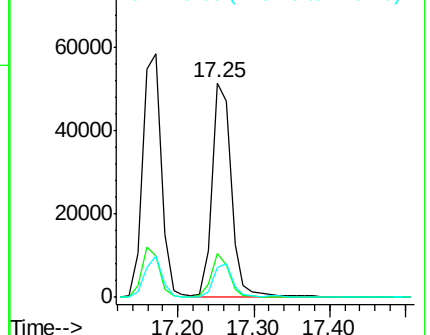
179 15.6 12.1 18.1



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

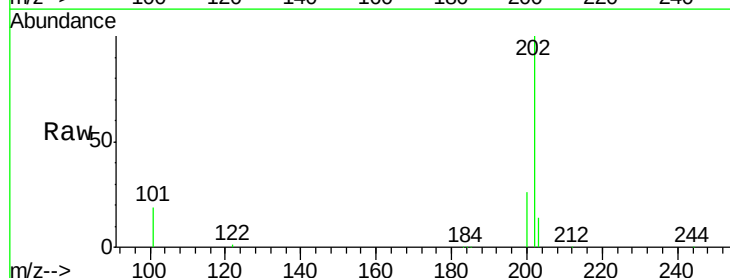
Tgt Ion:202 Resp: 100423

Ion Ratio Lower Upper

202 100

101 11.7 9.4 14.0

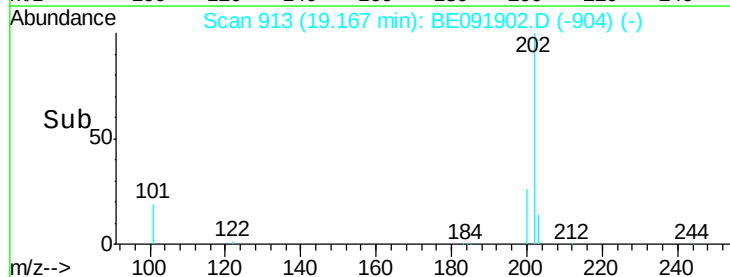
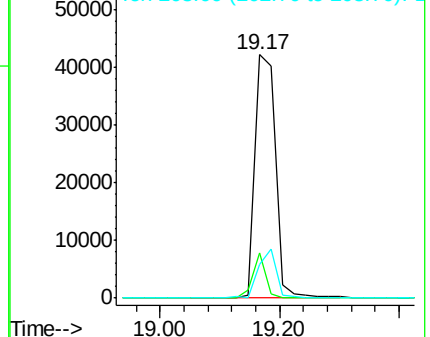
203 17.5 14.3 21.5

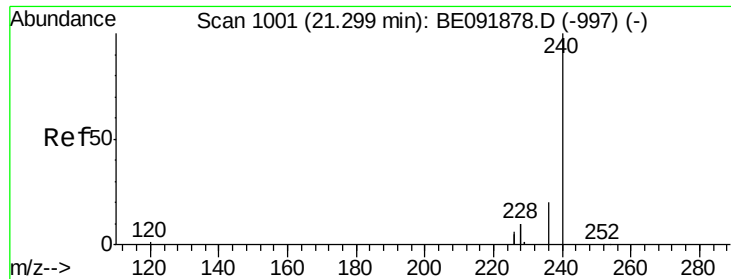


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

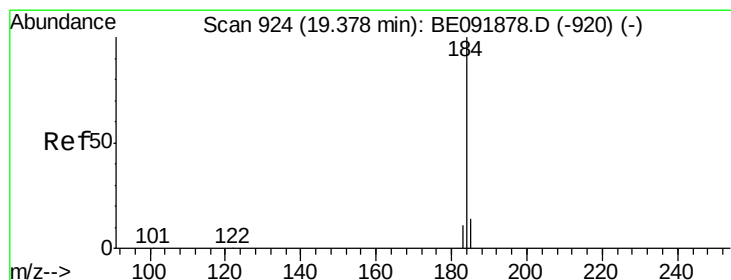
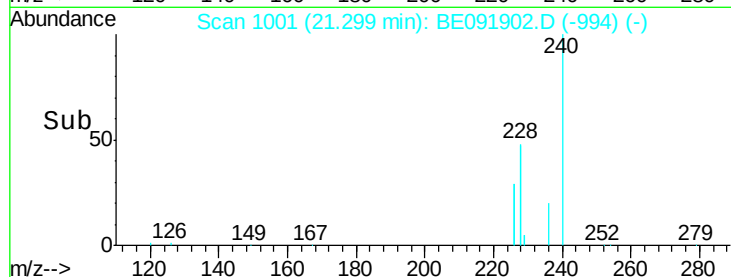
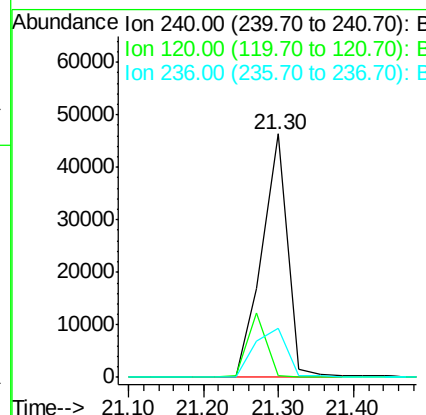
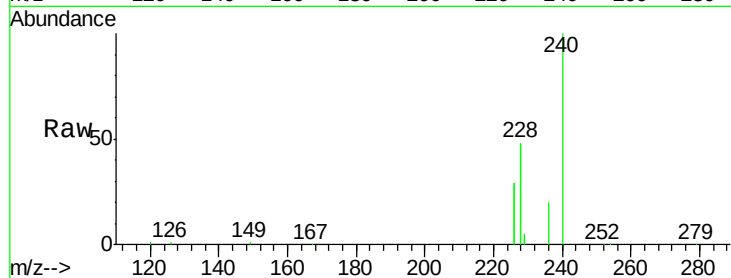




#31
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.30 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: BE091902.D
 Acq: 8 Jun 2016 15:40

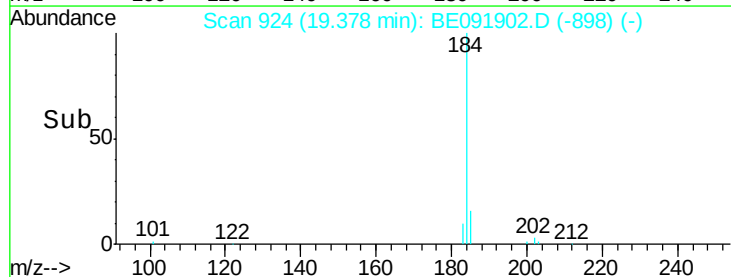
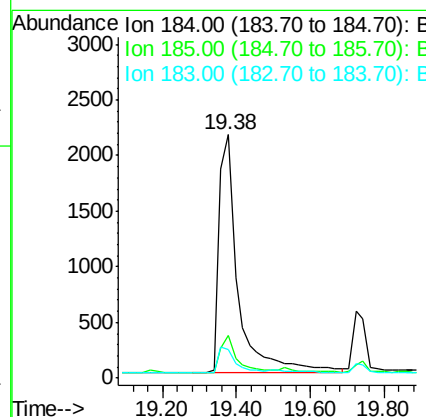
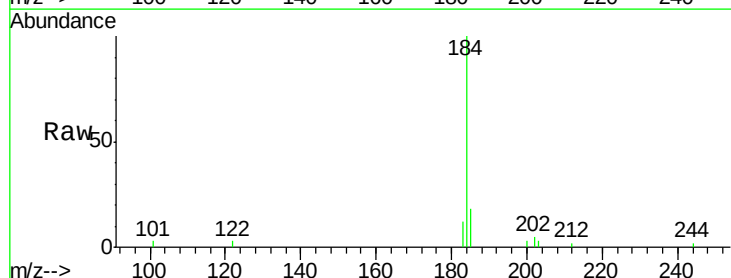
Instrument :
 BNA_E
 ClientSampleId :
 PB91035BS

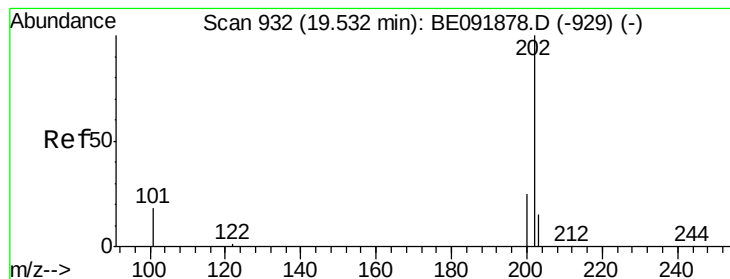
Tgt Ion:240 Resp: 111985
 Ion Ratio Lower Upper
 240 100
 120 0.8 1.2 1.8#
 236 20.3 19.8 29.8



#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





#33

Pyrene

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

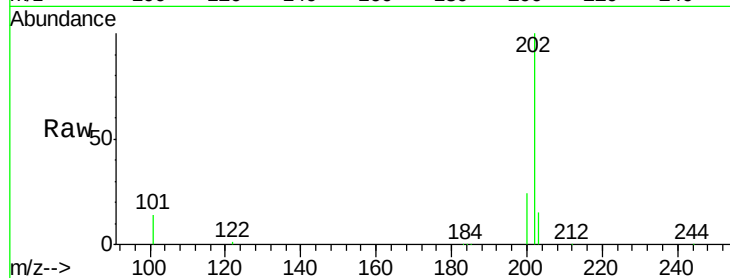
Tgt Ion:202 Resp: 109944

Ion Ratio Lower Upper

202 100

200 21.6 16.9 25.3

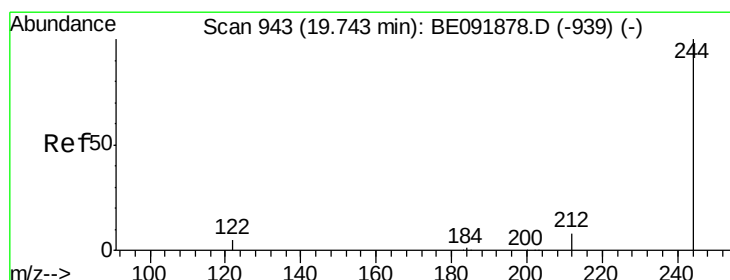
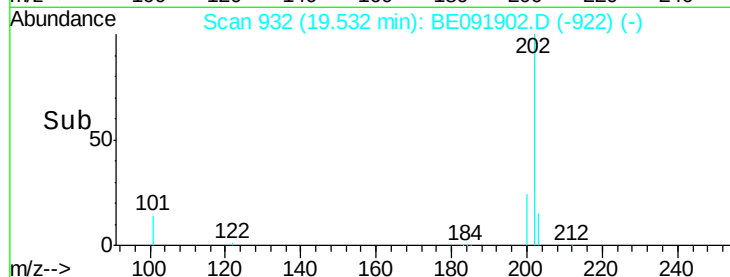
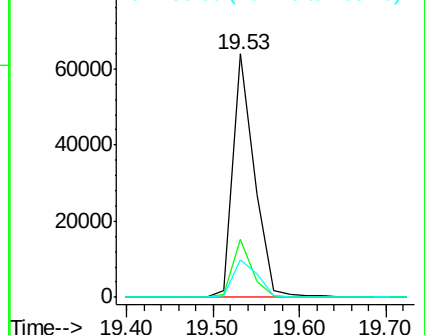
203 17.7 14.1 21.1



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

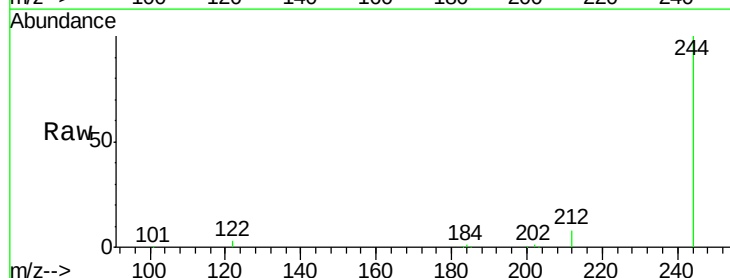
Tgt Ion:244 Resp: 77614

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

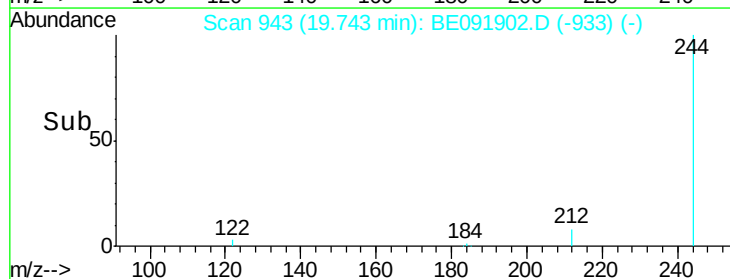
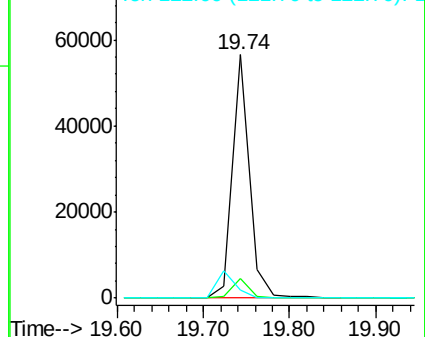
122 3.2 2.9 4.3

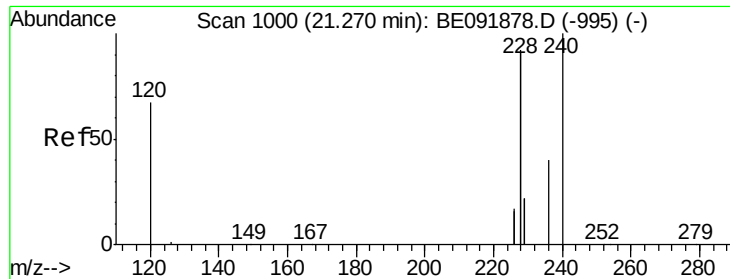


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

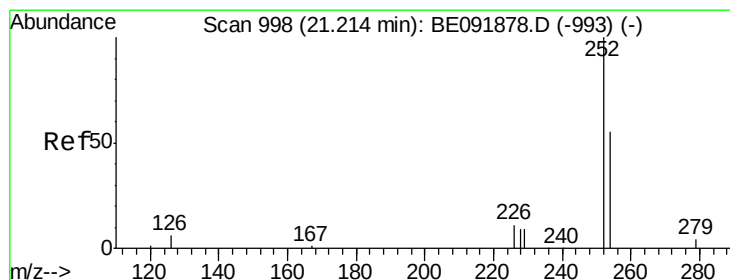
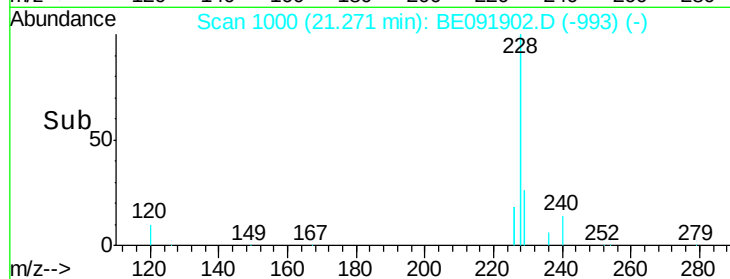
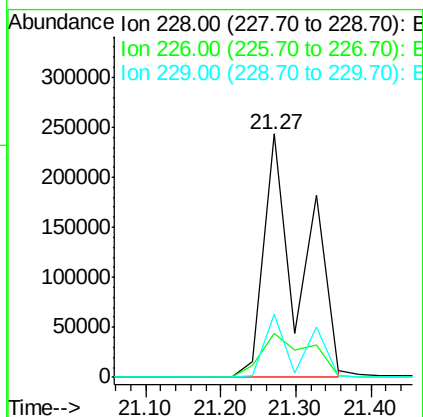
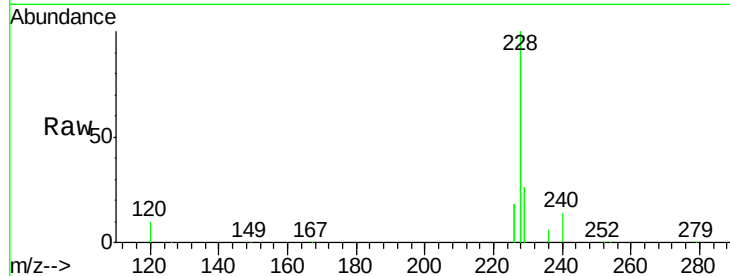




#35
Benzo(a)anthracene
Concen: 6.15 ng
RT: 21.27 min Scan# 1000
Delta R.T. 0.00 min
Lab File: BE091902.D
Acq: 8 Jun 2016 15:40

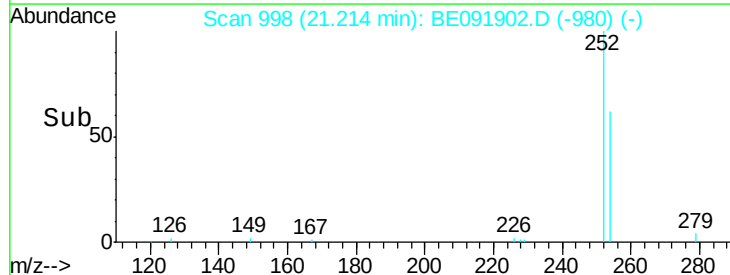
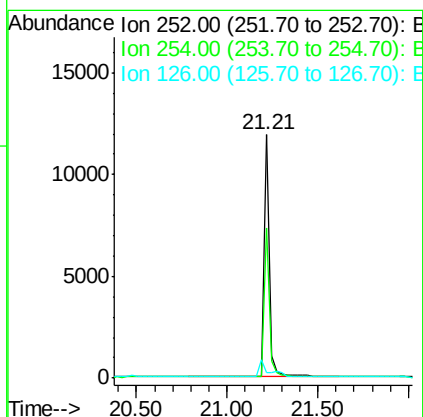
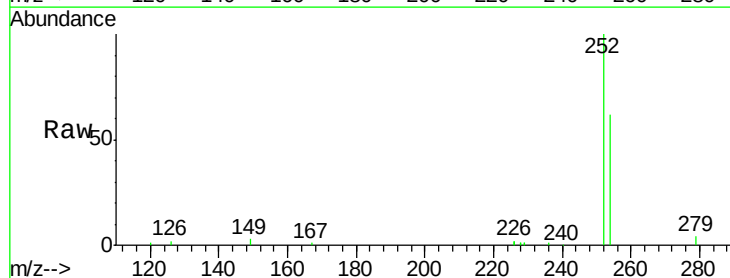
Instrument :
BNA_E
ClientSampleId :
PB91035BS

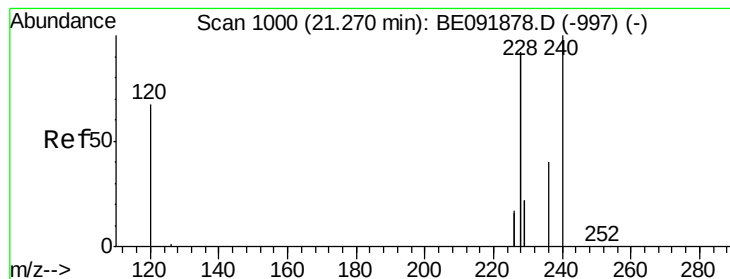
Tgt Ion:228 Resp: 836716
Ion Ratio Lower Upper
228 100
226 18.0 21.0 31.4#
229 25.7 15.8 23.8#



#36
3,3'-Dichlorobenzidine
Concen: 2.68 ng
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#





#37

Chrysene

Concen: 7.39 ng

RT: 21.27 min Scan# 1000

Delta R.T. -0.06 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

Instrument :

BNA_E

ClientSampleId :

PB91035BS

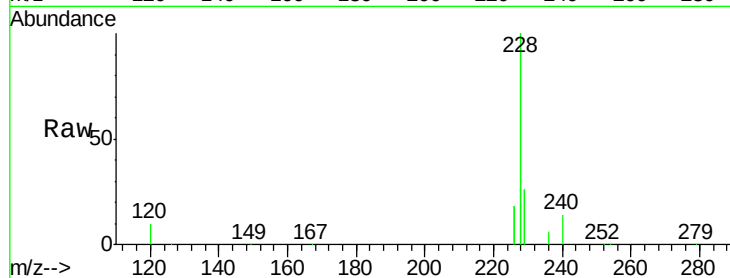
Tgt Ion:228 Resp: 843997

Ion Ratio Lower Upper

228 100

226 18.0 27.0 40.6#

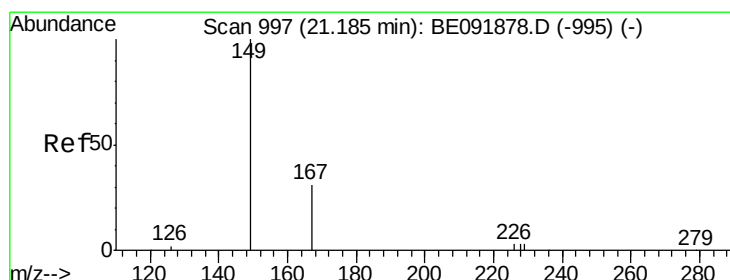
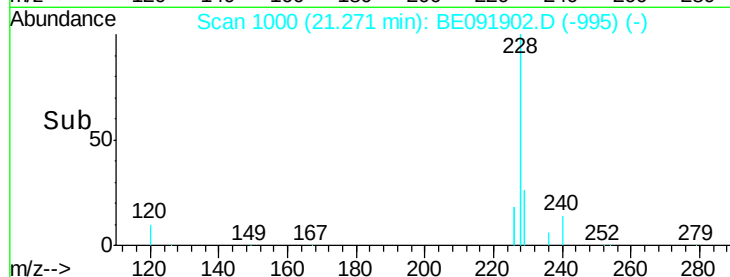
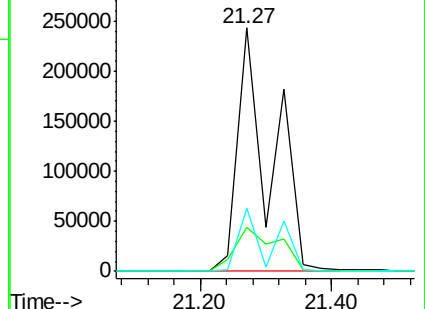
229 25.7 13.8 20.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#38

Bis(2-ethylhexyl)phthalate

Concen: 2.85 ng

RT: 21.19 min Scan# 997

Delta R.T. 0.00 min

Lab File: BE091902.D

Acq: 8 Jun 2016 15:40

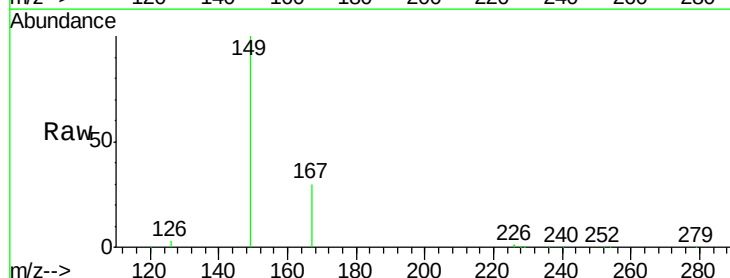
Tgt Ion:149 Resp: 57648

Ion Ratio Lower Upper

149 100

167 29.5 0.0 0.0#

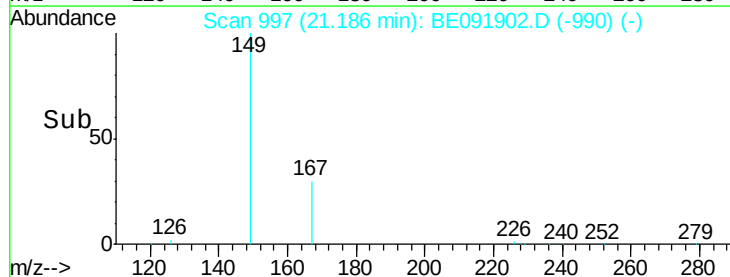
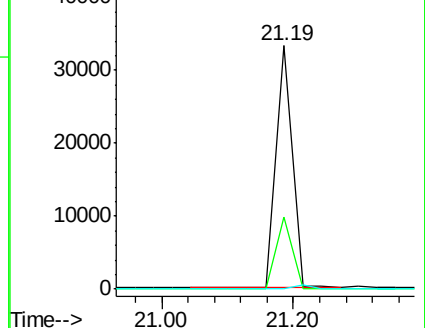
279 0.0 0.0 0.0

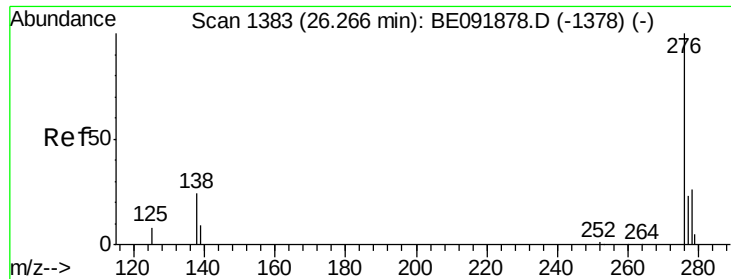


Abundance Ion 149.00 (148.70 to 149.70): E

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

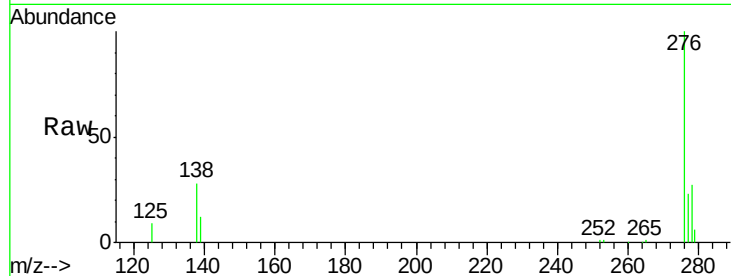
Tgt Ion:276 Resp: 161786

Ion Ratio Lower Upper

276 100

138 26.3 19.7 29.5

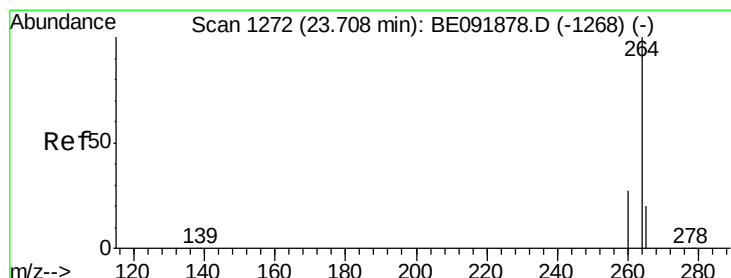
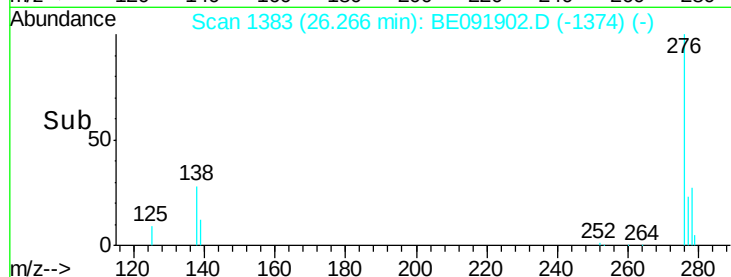
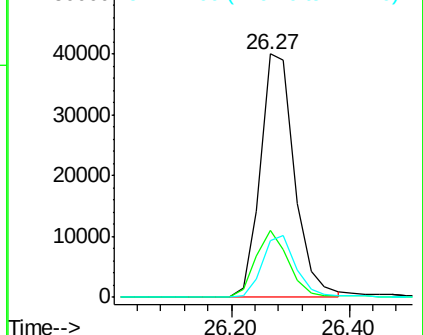
277 0.0 20.1 30.1#



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

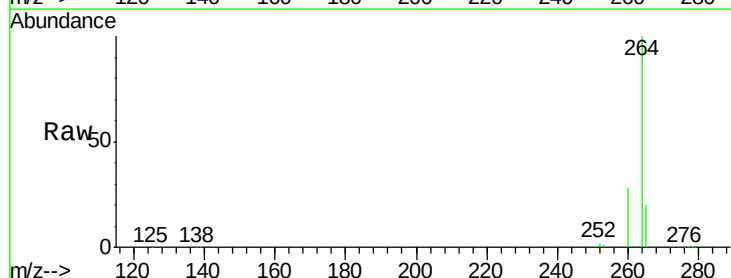
Tgt Ion:264 Resp: 161525

Ion Ratio Lower Upper

264 100

260 27.9 20.3 30.5

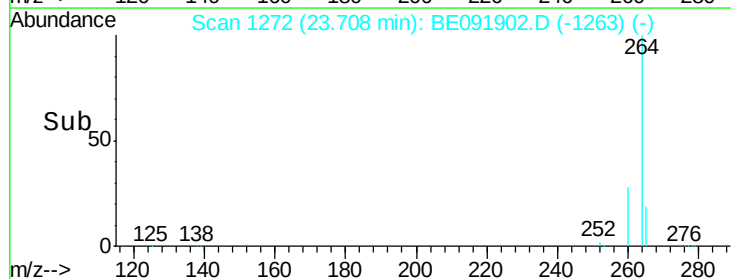
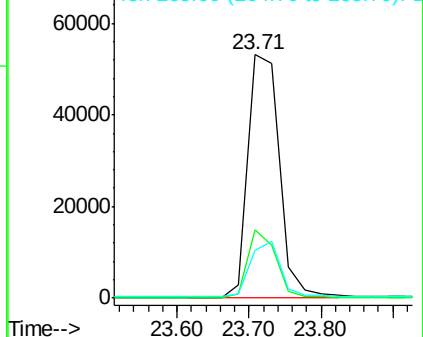
265 19.8 17.6 26.4

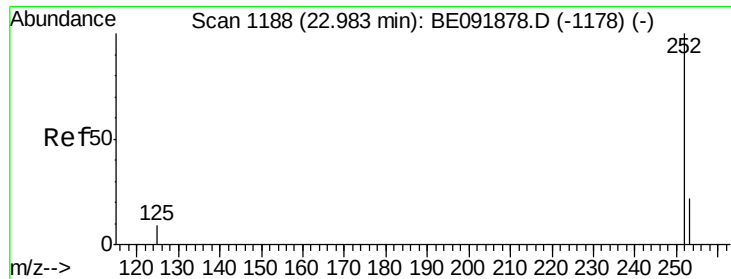


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

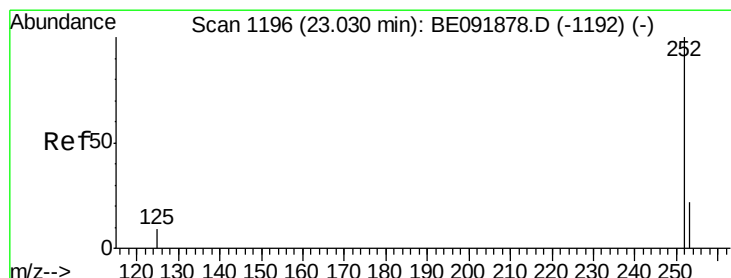
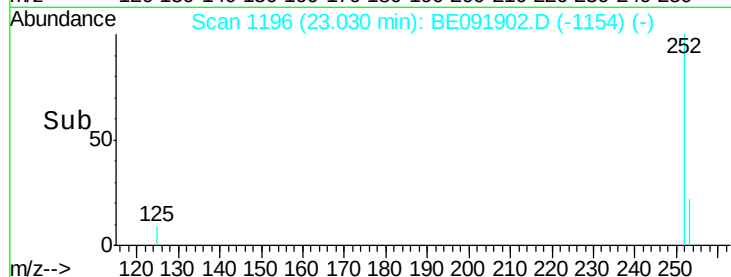
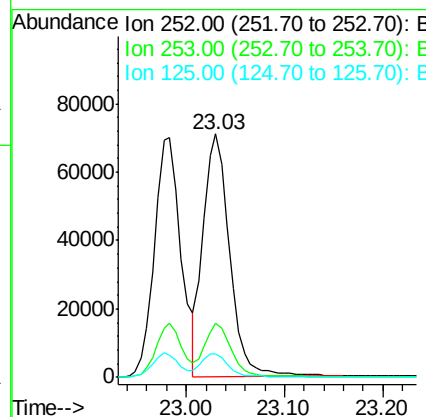
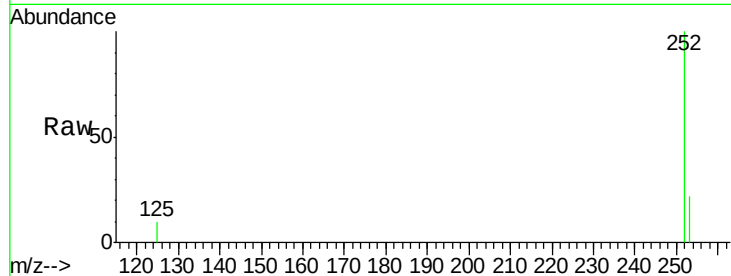




#41
Benzo(b)fluoranthene
Concen: 3.33 ng
RT: 23.03 min Scan# 1196
Delta R.T. 0.05 min
Lab File: BE091902.D
Acq: 8 Jun 2016 15:40

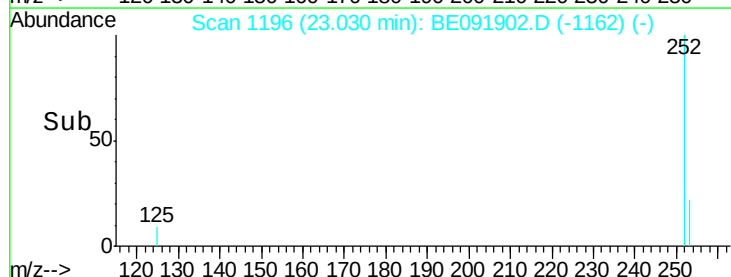
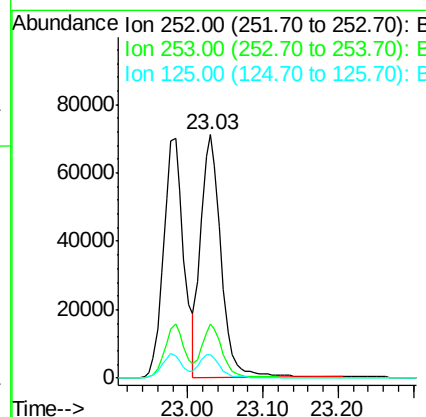
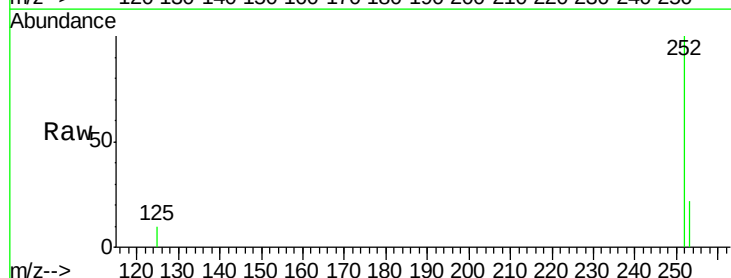
Instrument :
BNA_E
ClientSampleId :
PB91035BS

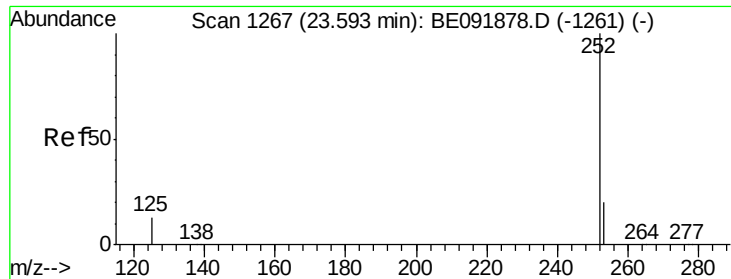
Tgt Ion: 252 Resp: 131325
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 9.6 9.4 14.2



#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

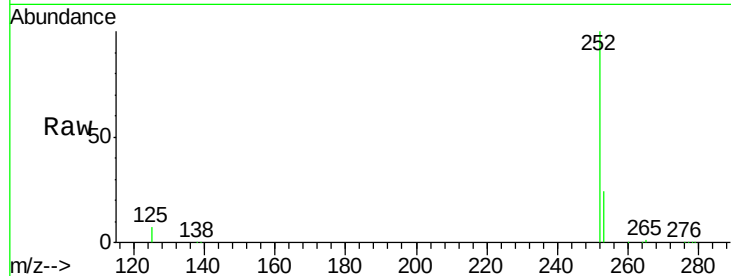
Tgt Ion: 252 Resp: 124782

Ion Ratio Lower Upper

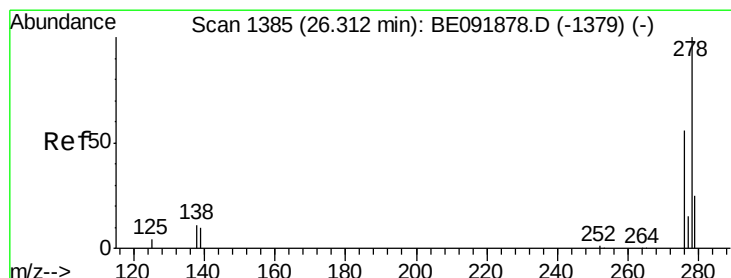
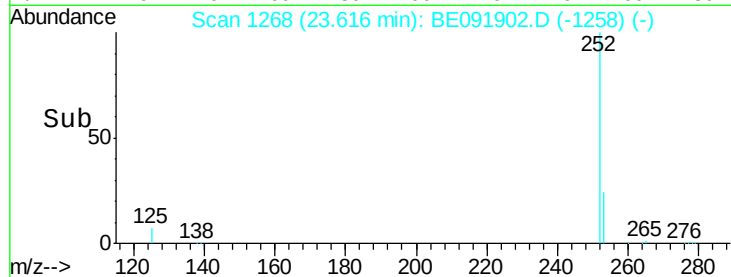
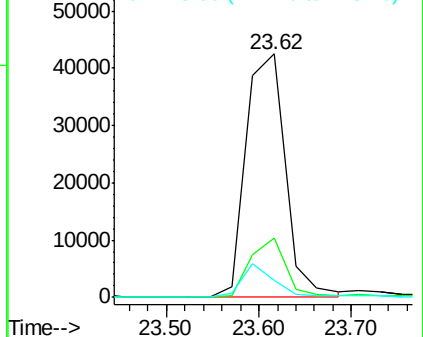
252 100

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

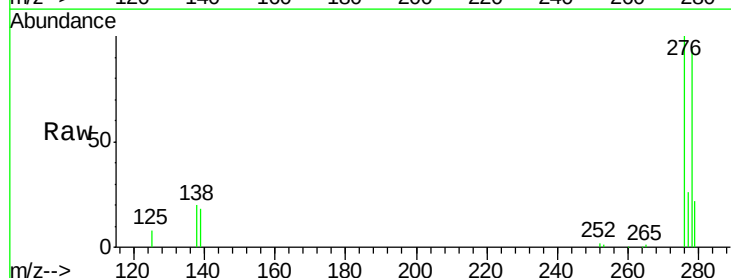
Tgt Ion: 278 Resp: 138730

Ion Ratio Lower Upper

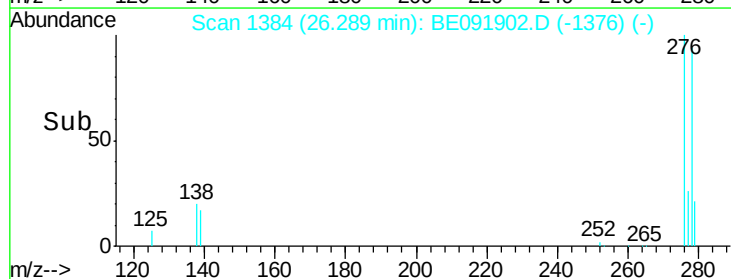
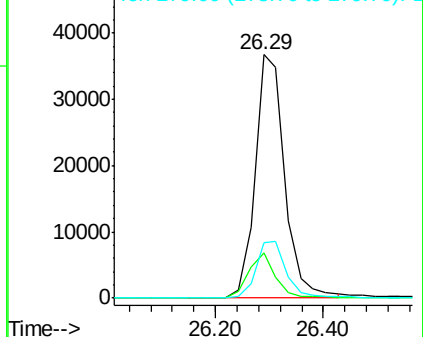
278 100

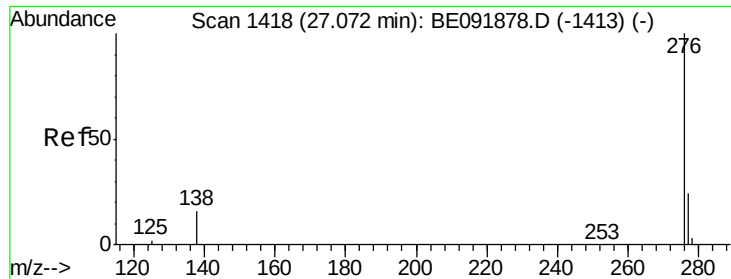
139 18.6 12.6 18.8

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(g,h,i)perylene

Concen: 3.95 ng

RT: 27.07 min Scan# 1418

Delta R.T. 0.00 min

Lab File: BE091902.D

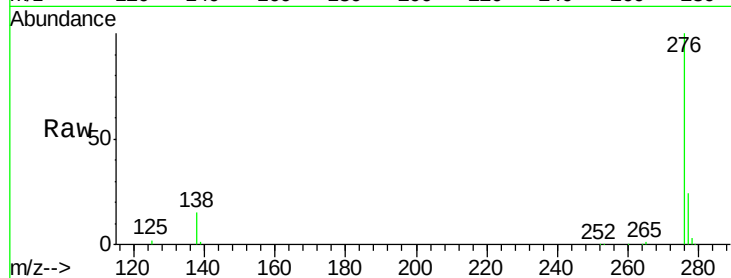
Acq: 8 Jun 2016 15:40

Instrument :

BNA_E

ClientSampleId :

PB91035BS



Tgt 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

