

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE052516\
 Data File : BE091871.D
 Acq On : 25 May 2016 22:58
 Operator : UM/SJ
 Sample : PB90363BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB90774BS

Quant Time: May 26 01:38:25 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE052516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 19:42:30 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	28539	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	146916	5.00	ng	0.00
15) Acenaphthene-d10	14.40	164	94070	5.00	ng	0.00
24) Phenanthrene-d10	17.14	188	264663	5.00	ng	0.00
31) Chrysene-d12	21.29	240	275047	5.00	ng	0.00
40) Perylene-d12	23.71	264	245453	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	52165	6.39	ng	-0.02
5) Phenol-d6	6.95	99	80543	7.53	ng	0.00
9) Nitrobenzene-d5	8.91	82	44127	3.70	ng	-0.02
16) 2,4,6-Tribromophenol	15.87	330	31038	7.40	ng	-0.02
17) 2-Fluorobiphenyl	13.01	172	104432	3.73	ng	-0.02
34) Terphenyl-d14	19.74	244	182079	4.38	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.32	88	12401	3.47	ng	96
3) n-Nitrosodimethylamine	3.61	42	19620	3.75	ng	93
6) bis(2-Chloroethyl)ether	7.20	93	34150	3.81	ng	99
7) n-Nitroso-di-n-propylamine	8.57	70	33733	4.07	ng	# 90
10) Nitrobenzene	8.96	77	45291	3.91	ng	# 99
11) bis(2-Chloroethoxy)methane	9.96	93	56164	4.03	ng	# 13
12) Naphthalene	10.61	128	118387	3.73	ng	97
13) Hexachlorobutadiene	10.90	225	17326	3.55	ng	99
14) 2-Methylnaphthalene	12.22	142	89232	4.21	ng	# 88
18) Acenaphthylene	14.10	152	170238	4.11	ng	# 91
19) 2,6-Dinitrotoluene	13.96	165	28593	4.46	ng	# 85
20) Acenaphthene	14.44	154	101958	4.58	ng	93
21) 2,4-Dinitrotoluene	14.76	165	35516	4.02	ng	# 1
22) Fluorene	15.44	166	125842	3.81	ng	99
23) 4-Chlorophenyl-phenylether	15.44	204	59019	4.14	ng	98
25) 4-Bromophenyl-phenylether	16.31	248	37378	3.95	ng	98
26) Hexachlorobenzene	16.44	284	37553	4.16	ng	99
27) Pentachlorophenol	16.78	266	40036	11.51	ng	91
28) Phenanthrene	17.17	178	225342	4.54	ng	99
29) Anthracene	17.26	178	221958	4.20	ng	100
30) Fluoranthene	19.17	202	254099	4.33	ng	100
32) Benzidine	19.36	184	125269	4.98	ng	# 94
33) Pyrene	19.53	202	281714	4.83	ng	99
35) Benzo(a)anthracene	21.27	228	589243	8.04	ng	97
36) 3,3'-Dichlorobenzidine	21.20	252	68820	1.71	ng	# 62
37) Chrysene	21.27	228	590551	11.35	ng	# 86
38) Bis(2-ethylhexyl)phthalate	21.17	149	118256	4.44	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.26	276	295319	4.29	ng	100
41) Benzo(b)fluoranthene	22.96	252	264089	3.99	ng	97
42) Benzo(k)fluoranthene	23.02	252	274402	4.56	ng	98
43) Benzo(a)pyrene	23.60	252	260154	4.33	ng	95
44) Dibenzo(a,h)anthracene	26.27	278	244888	4.26	ng	97
45) Benzo(g,h,i)perylene	27.03	276	248389	4.26	ng	99

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QLast Update : Wed May 25 19:42:30 2016
Response via : Initial Calibration

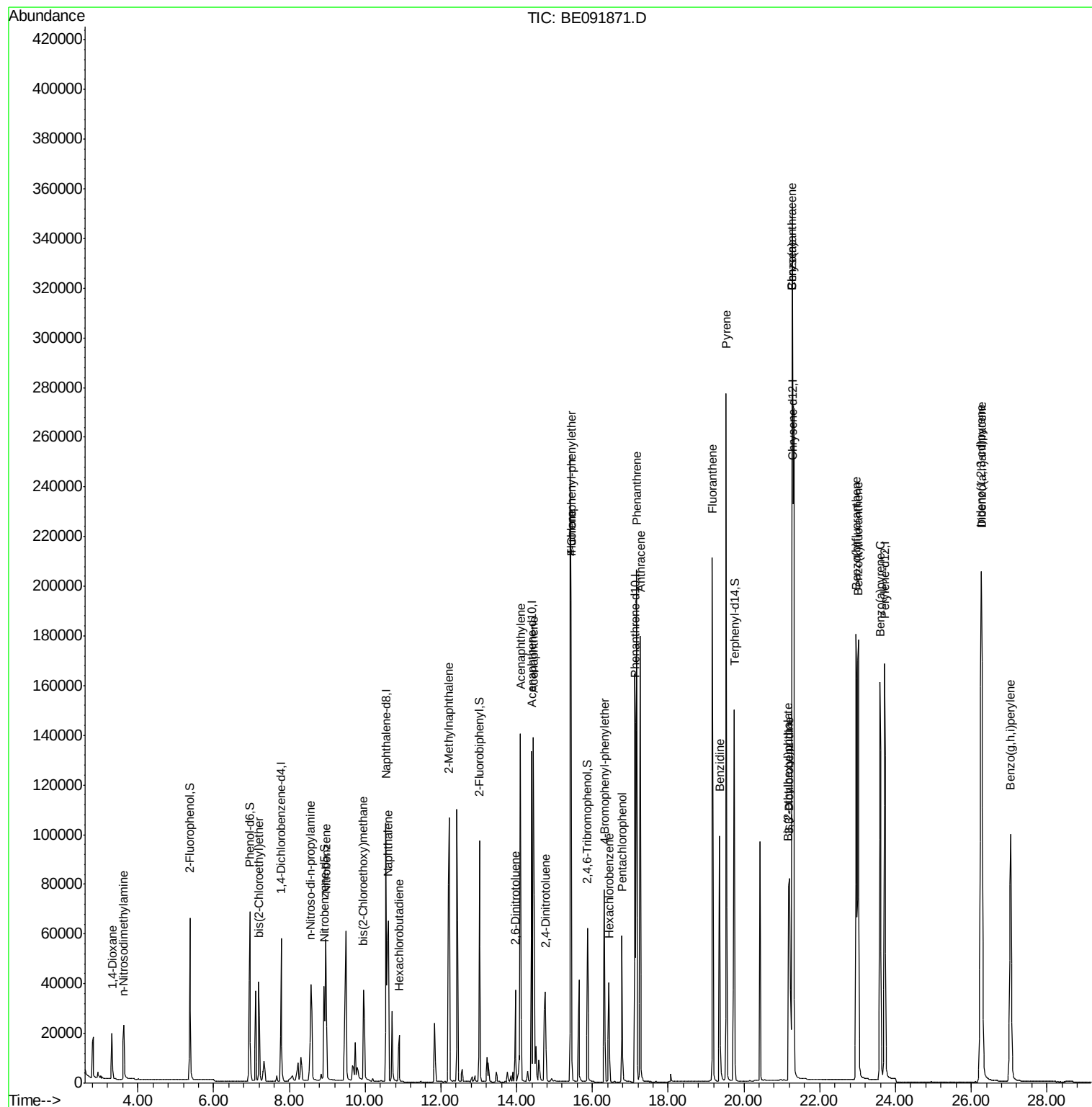
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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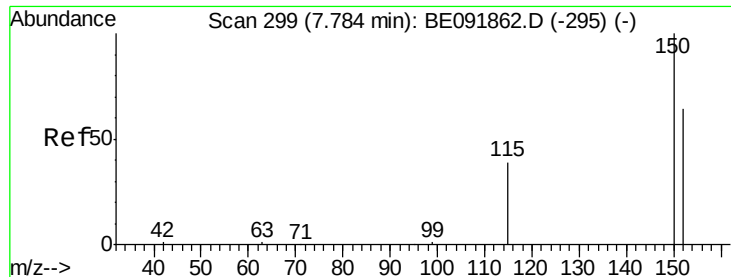
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.78 min Scan# 299

Delta R.T. -0.00 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

Instrument :

BNA_E

ClientSampleId :

PB90774BS

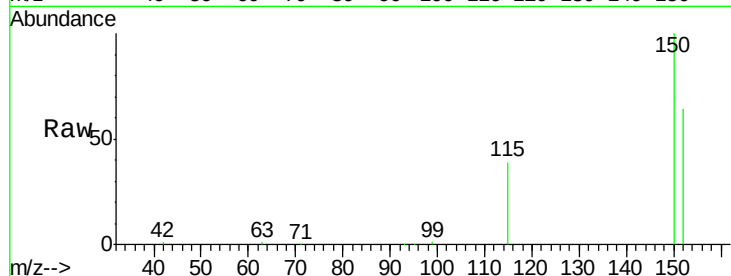
Tgt Ion:152 Resp: 28539

Ion Ratio Lower Upper

152 100

150 155.4 123.9 185.9

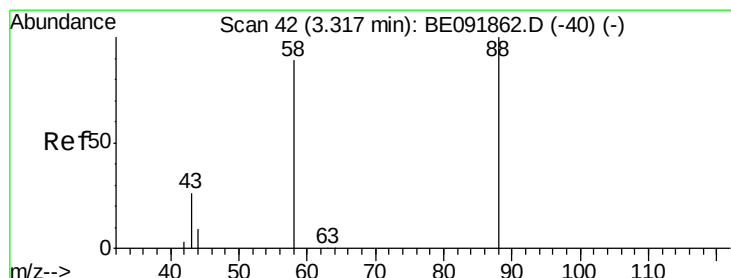
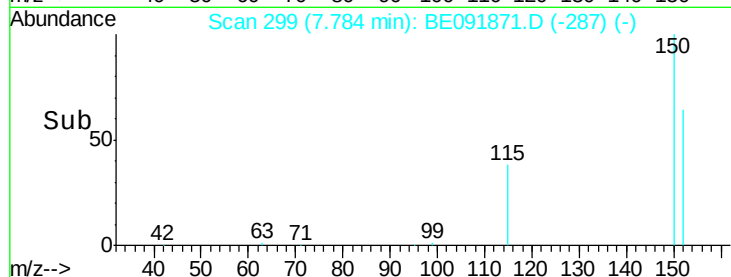
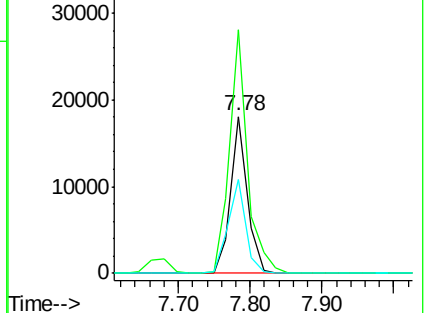
115 59.9 48.3 72.5



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: 3.47 ng

RT: 3.32 min Scan# 42

Delta R.T. 0.00 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

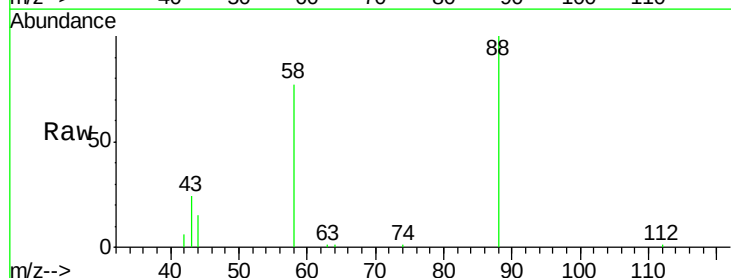
Tgt Ion: 88 Resp: 12401

Ion Ratio Lower Upper

88 100

58 80.8 63.0 94.4

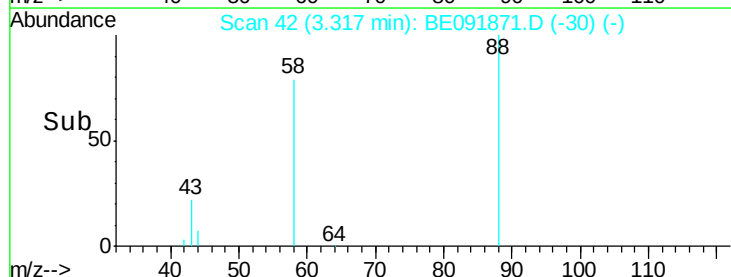
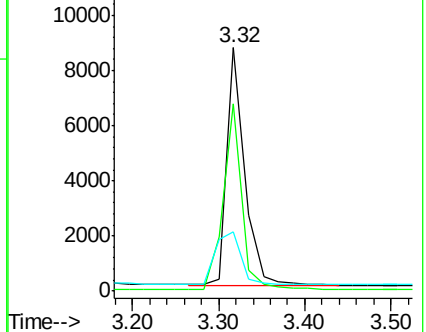
43 32.7 29.1 43.7

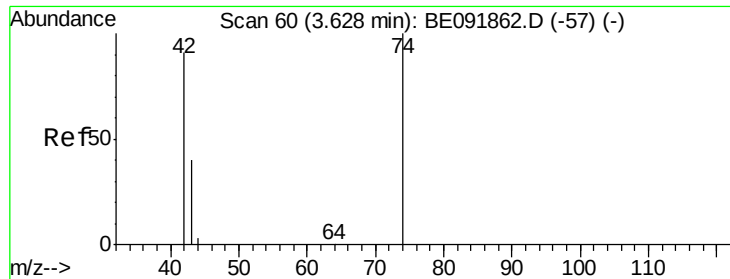


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.75 ng

RT: 3.61 min Scan# 59

Delta R.T. -0.02 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

Instrument :

BNA_E

ClientSampleId :

PB90774BS

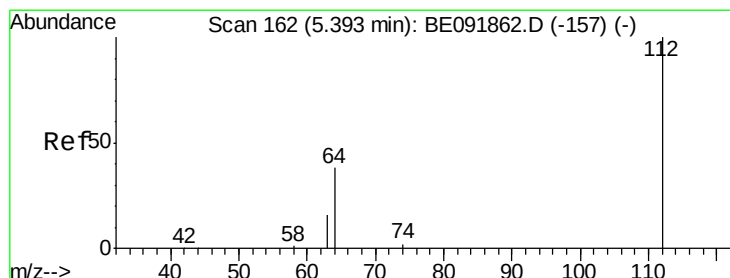
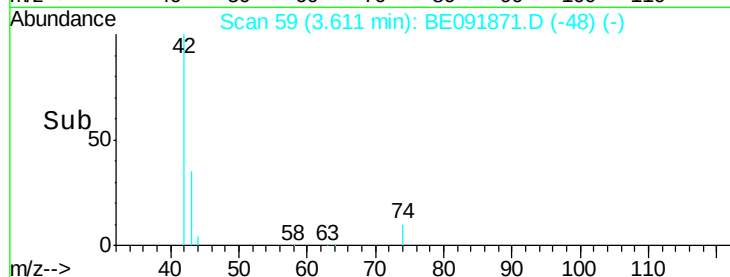
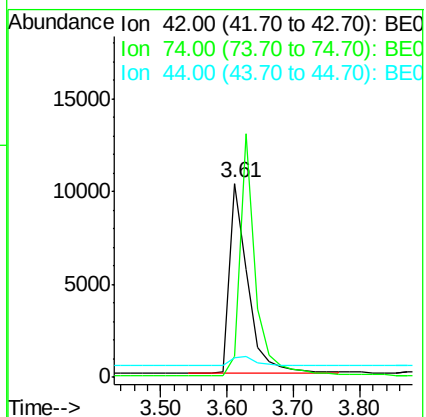
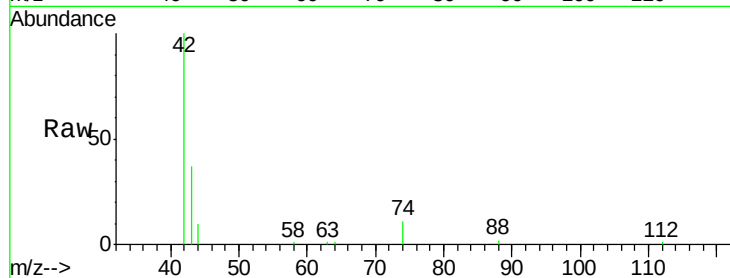
Tgt Ion: 42 Resp: 19620

Ion Ratio Lower Upper

42 100

74 108.4 93.4 140.0

44 6.4 5.0 7.6



#4

2-Fluorophenol

Concen: 6.39 ng

RT: 5.38 min Scan# 161

Delta R.T. -0.02 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

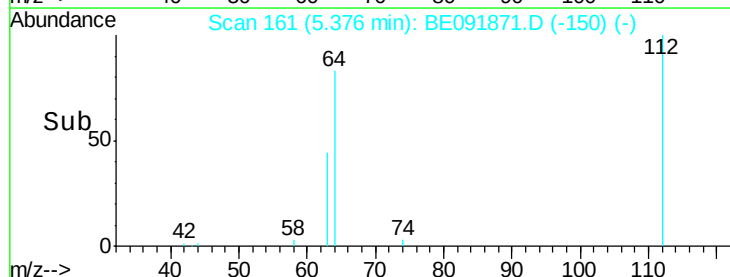
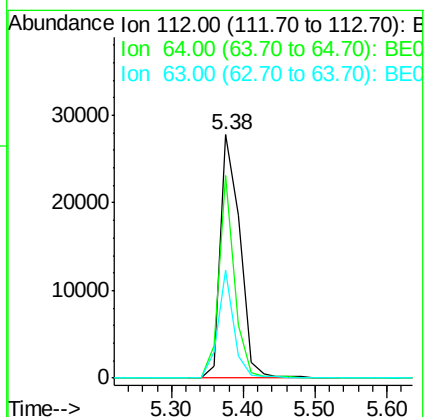
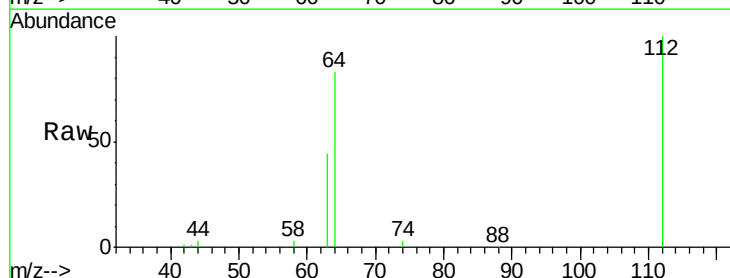
Tgt Ion: 112 Resp: 52165

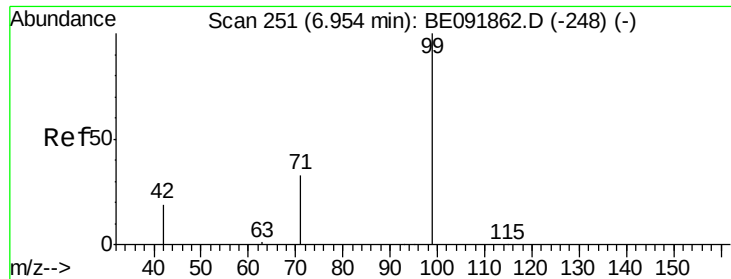
Ion Ratio Lower Upper

112 100

64 67.6 53.7 80.5

63 36.0 29.5 44.3





#5

Phenol-d6

Concen: 7.53 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

Instrument :

BNA_E

ClientSampleId :

PB90774BS

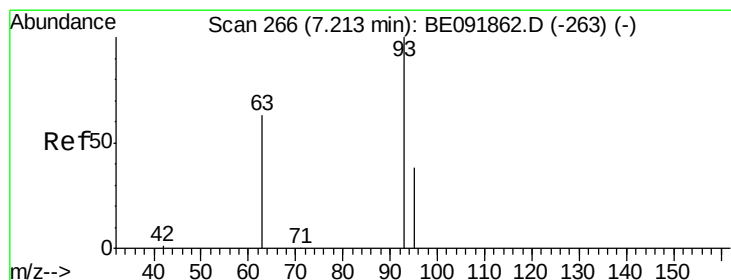
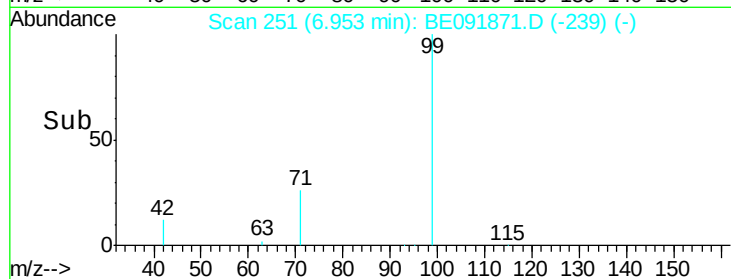
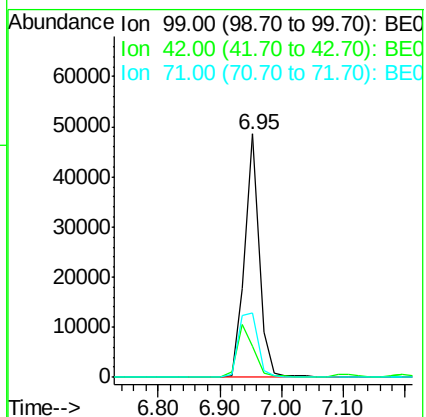
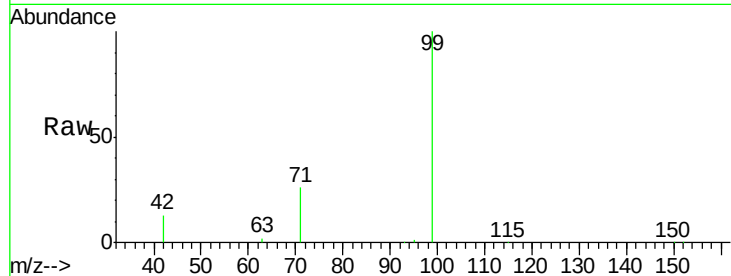
Tgt Ion: 99 Resp: 80543

Ion Ratio Lower Upper

99 100

42 23.7 19.6 29.4

71 35.4 28.1 42.1



#6

bis(2-Chloroethyl)ether

Concen: 3.81 ng

RT: 7.20 min Scan# 265

Delta R.T. -0.02 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

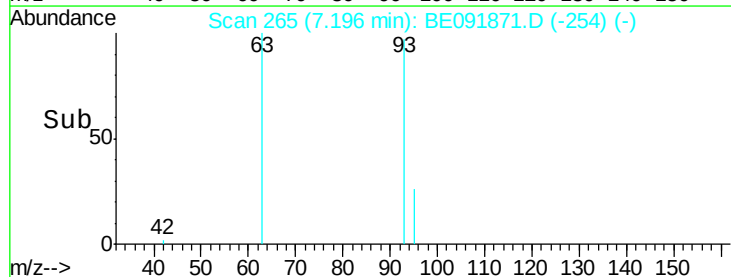
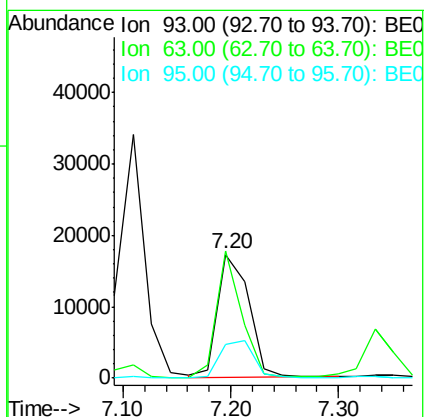
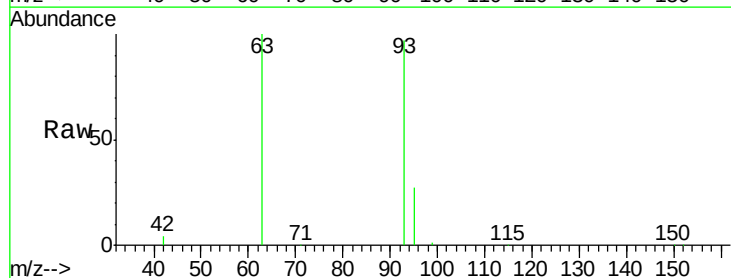
Tgt Ion: 93 Resp: 34150

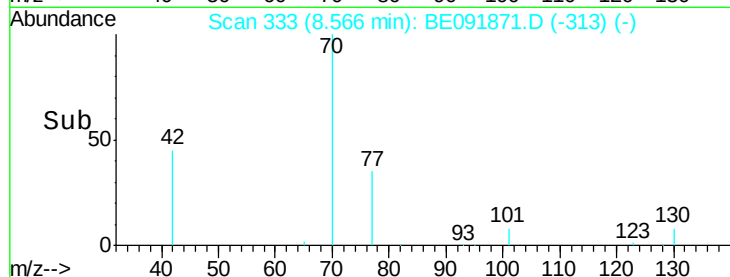
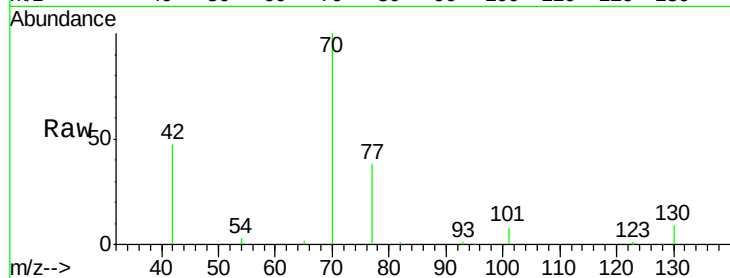
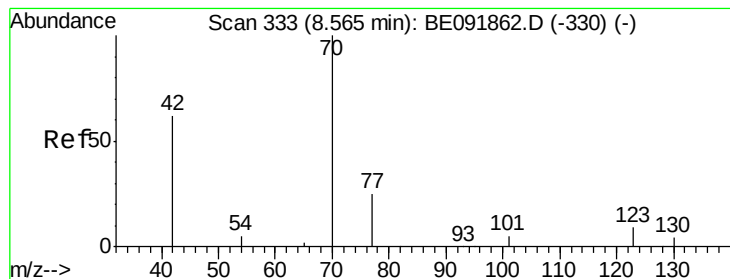
Ion Ratio Lower Upper

93 100

63 84.4 66.2 99.4

95 32.3 25.5 38.3





#7

n-Nitroso-di-n-propylamine

Concen: 4.07 ng

RT: 8.57 min Scan# 333

Delta R.T. 0.00 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

Instrument :

BNA_E

ClientSampleId :

PB90774BS

Tgt Ion: 70 Resp: 33733

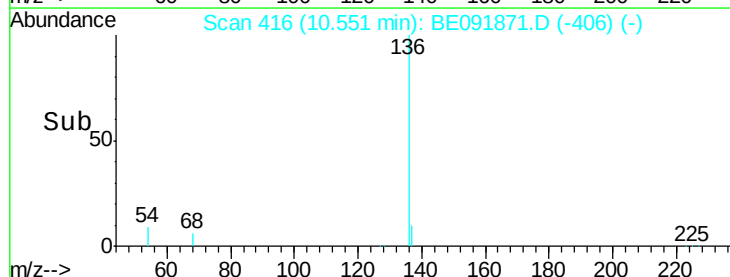
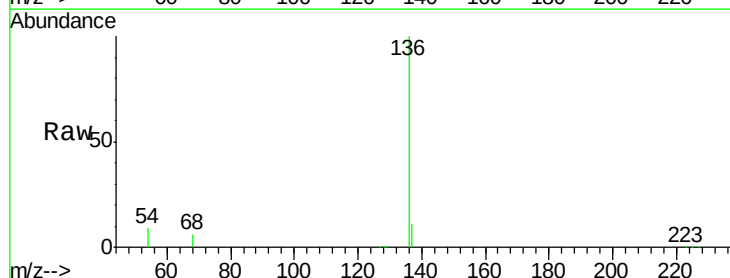
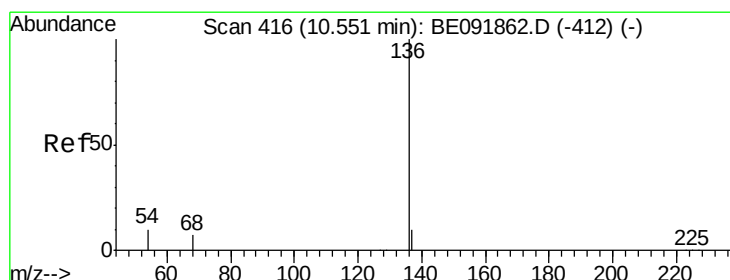
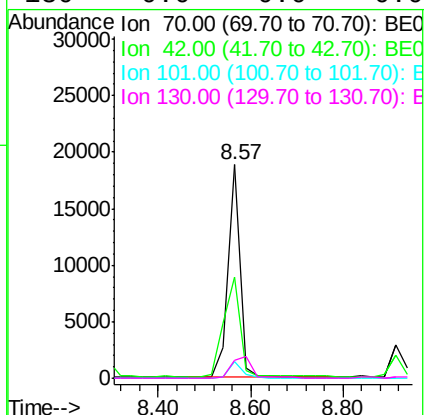
Ion Ratio Lower Upper

70 100

42 63.4 58.4 87.6

101 8.3 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: BE091871.D

Acq: 25 May 2016 22:58

Tgt Ion: 136 Resp: 146916

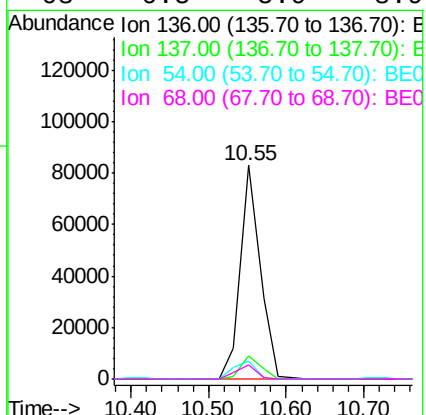
Ion Ratio Lower Upper

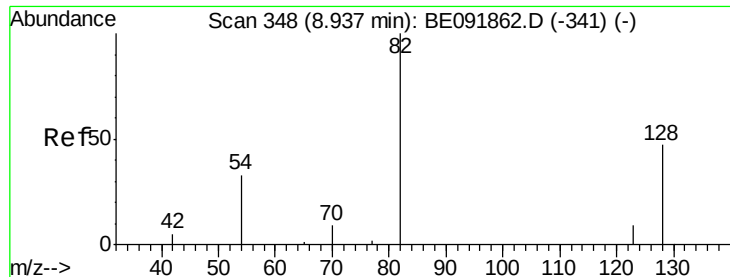
136 100

137 10.5 8.3 12.5

54 8.6 8.2 12.4

68 6.5 5.9 8.9





#9

Nitrobenzene-d5

Concen: 3.70 ng

RT: 8.91 min Scan# 347

Delta R.T. -0.02 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

Instrument :

BNA_E

ClientSampleId :

PB90774BS

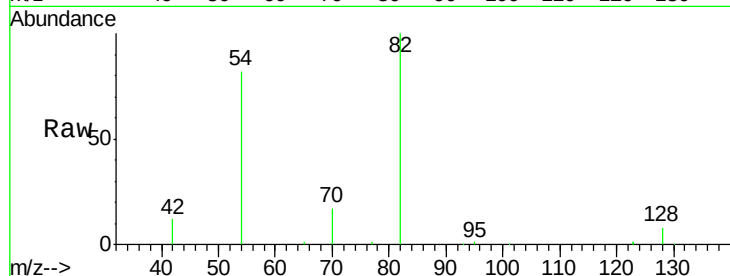
Tgt Ion: 82 Resp: 44127

Ion Ratio Lower Upper

82 100

128 8.4 39.5 59.3#

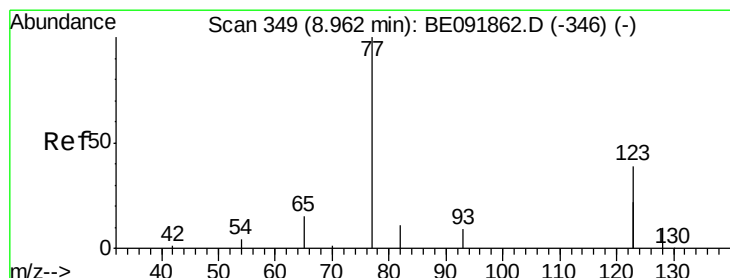
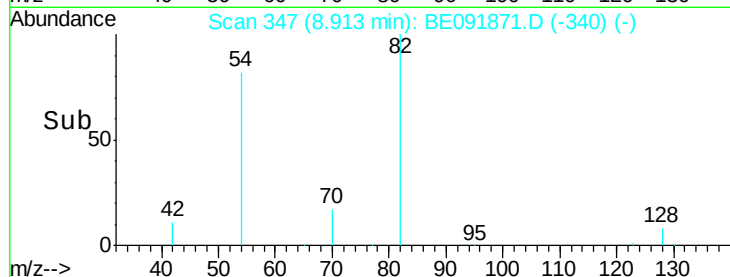
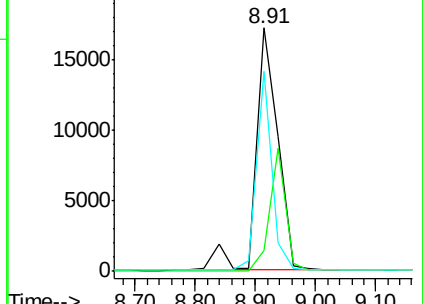
54 82.0 30.3 45.5#



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: 3.91 ng

RT: 8.96 min Scan# 349

Delta R.T. 0.00 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

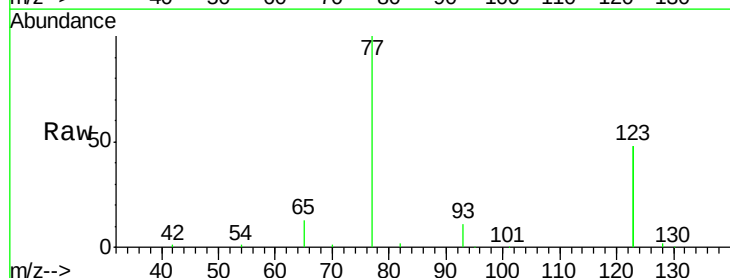
Tgt Ion: 77 Resp: 45291

Ion Ratio Lower Upper

77 100

123 142.0 0.0 0.0#

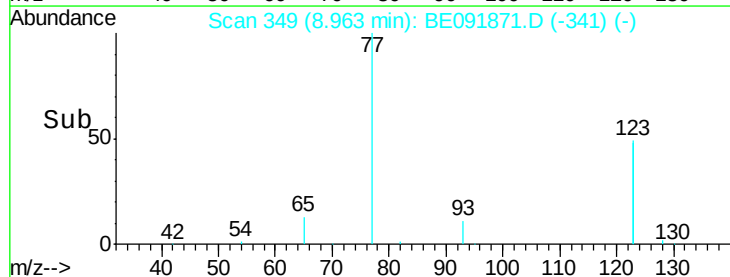
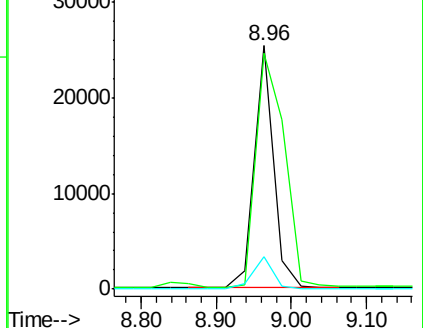
65 13.6 11.1 16.7

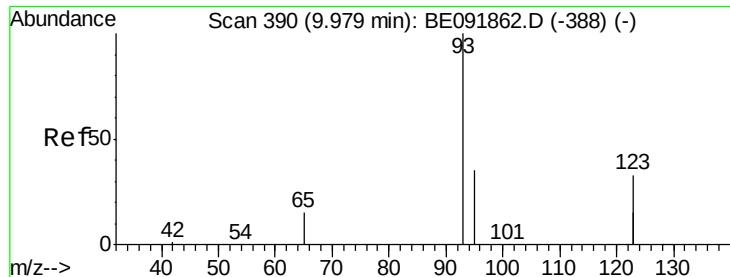


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

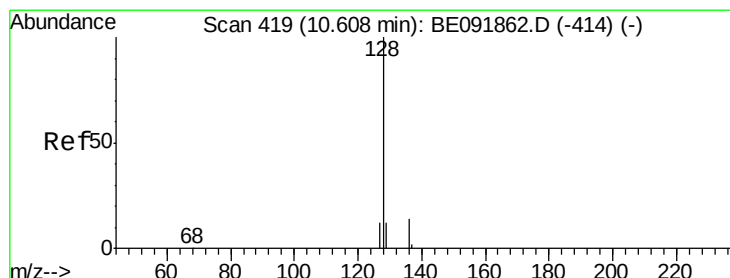
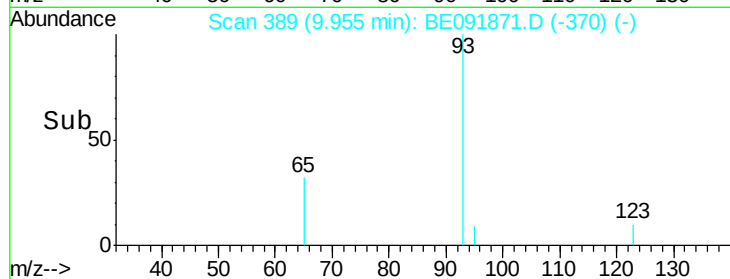
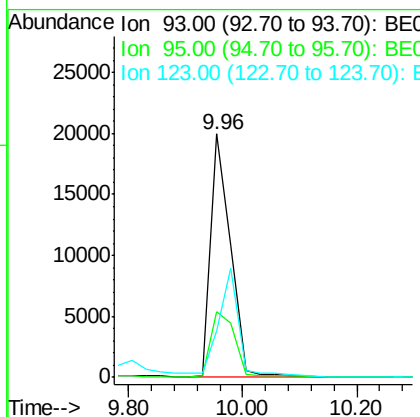
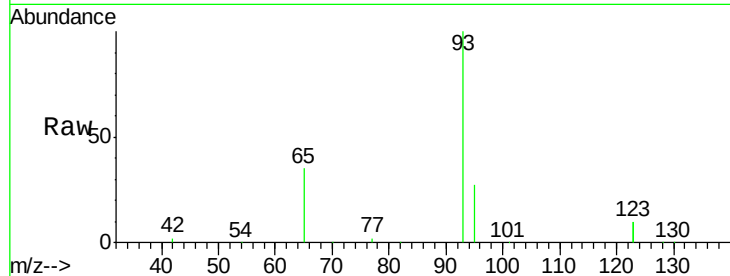




#11
bis(2-Chloroethoxy)methane
Concen: 4.03 ng
RT: 9.96 min Scan# 389
Delta R.T. -0.02 min
Lab File: BE091871.D
Acq: 25 May 2016 22:58

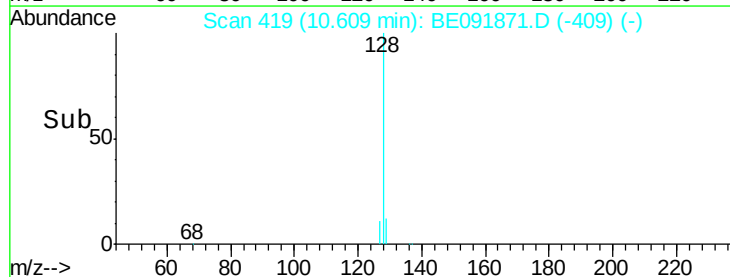
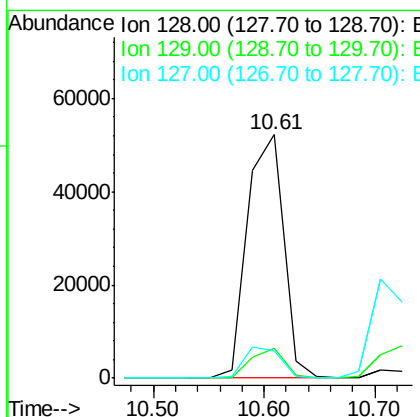
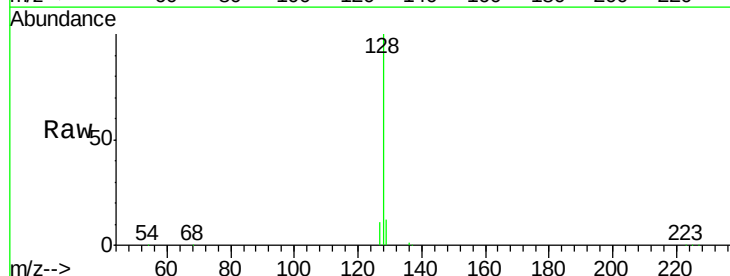
Instrument :
BNA_E
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PB90774BS

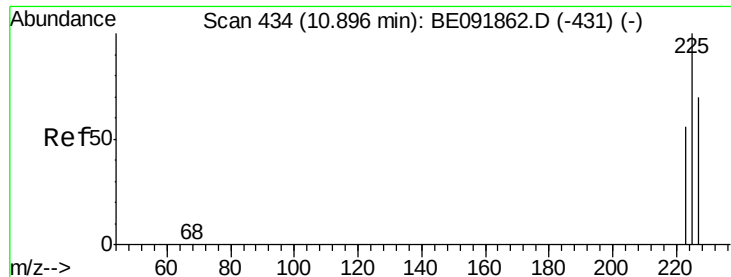
Tgt Ion: 93 Resp: 56164
Ion Ratio Lower Upper
93 100
95 32.7 57.6 86.4#
123 0.0 100.2 150.4#



#12
Naphthalene
Concen: 3.73 ng
RT: 10.61 min Scan# 419
Delta R.T. 0.00 min
Lab File: BE091871.D
Acq: 25 May 2016 22:58

Tgt Ion: 128 Resp: 118387
Ion Ratio Lower Upper
128 100
129 12.2 10.4 15.6
127 11.2 10.2 15.2

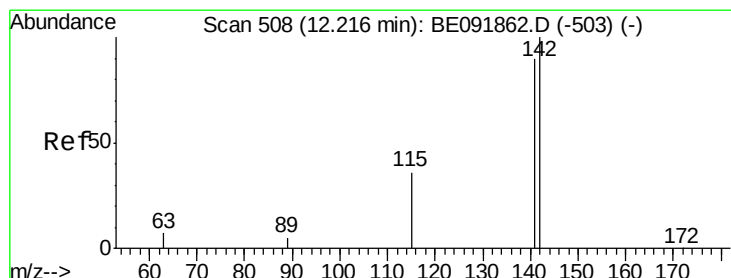
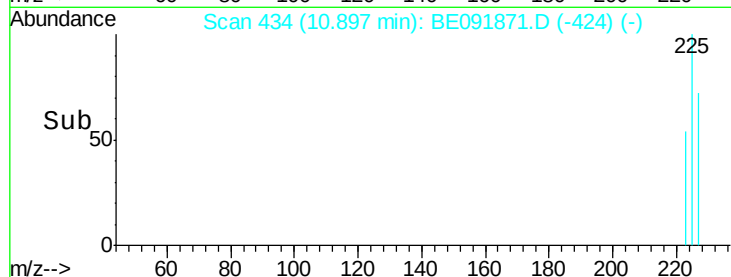
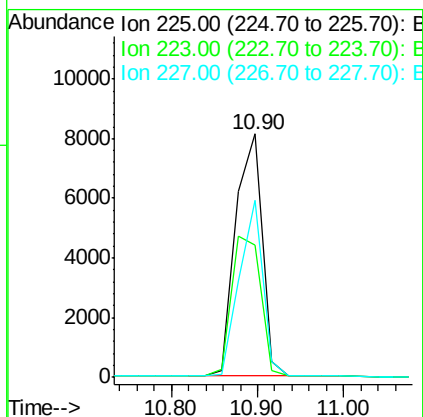
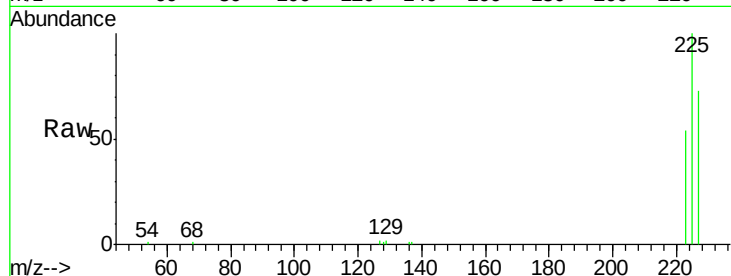




#13
Hexachlorobutadiene
Concen: 3.55 ng
RT: 10.90 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE091871.D
Acq: 25 May 2016 22:58

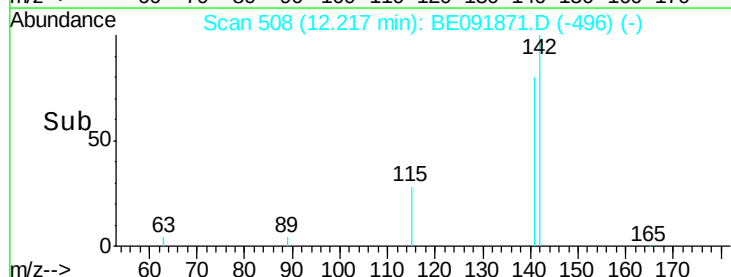
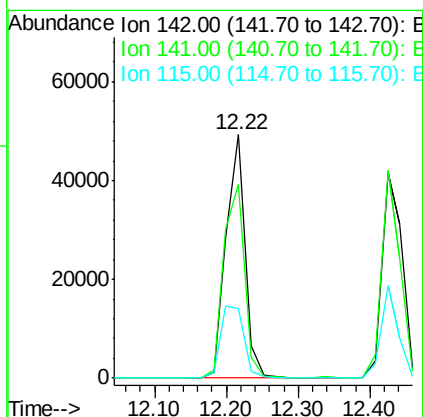
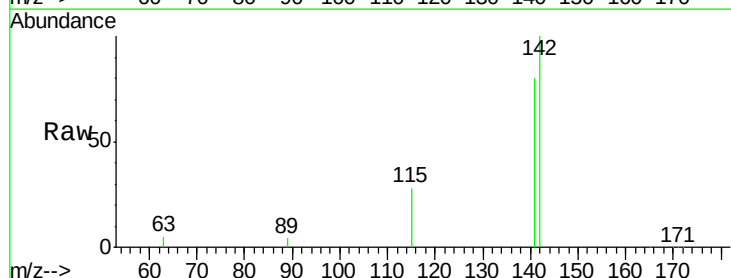
Instrument :
BNA_E
ClientSampleId :
PB90774BS

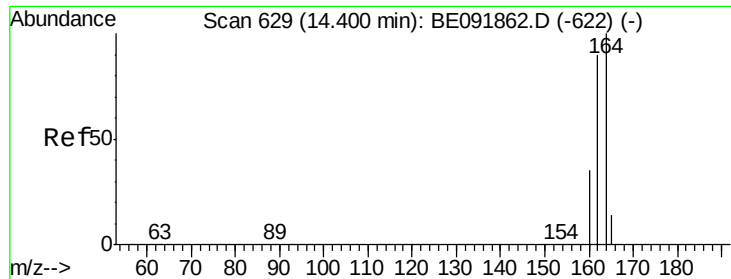
Tgt Ion: 225 Resp: 17326
Ion Ratio Lower Upper
225 100
223 62.9 49.8 74.8
227 64.1 50.6 75.8



#14
2-Methylnaphthalene
Concen: 4.21 ng
RT: 12.22 min Scan# 508
Delta R.T. 0.00 min
Lab File: BE091871.D
Acq: 25 May 2016 22:58

Tgt Ion: 142 Resp: 89232
Ion Ratio Lower Upper
142 100
141 79.7 71.9 107.9
115 28.5 29.9 44.9#

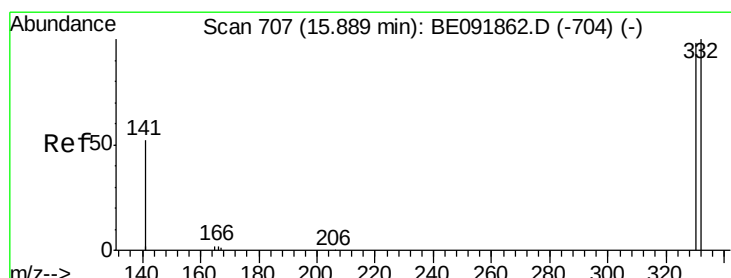
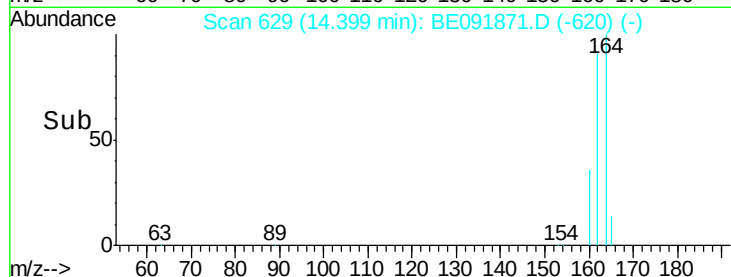
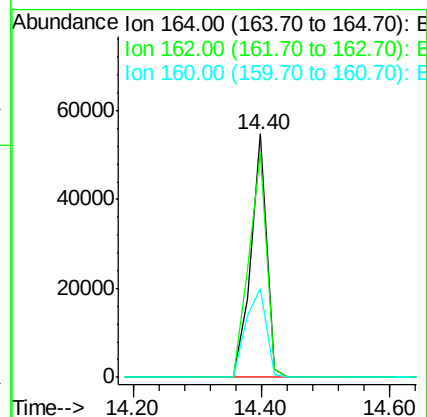
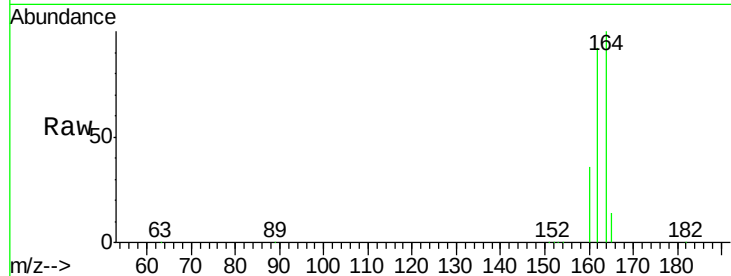




#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.40 min Scan# 629
Delta R.T. -0.00 min
Lab File: BE091871.D
Acq: 25 May 2016 22:58

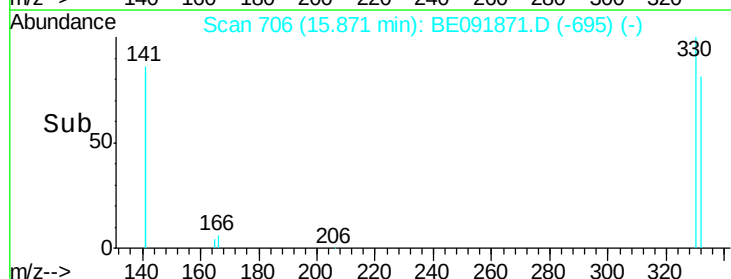
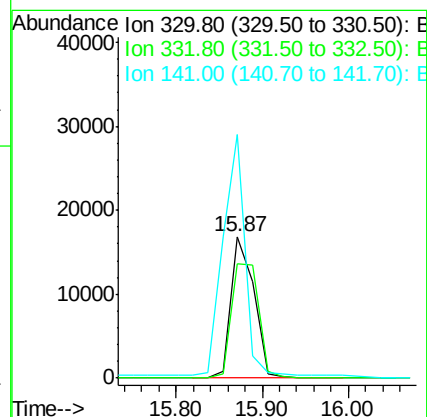
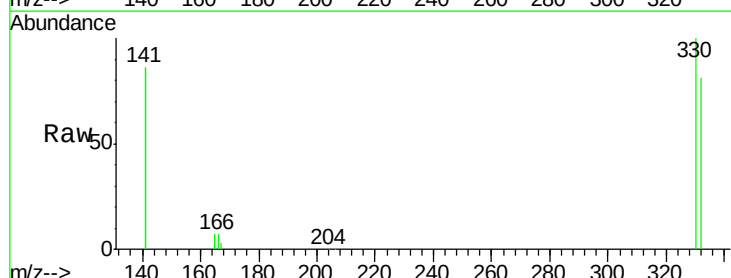
Instrument :
BNA_E
ClientSampleId :
PB90774BS

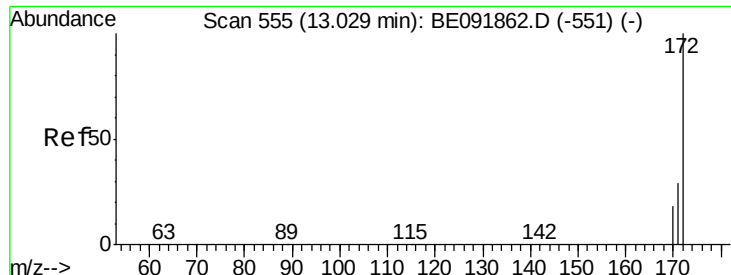
Tgt Ion:164 Resp: 94070
Ion Ratio Lower Upper
164 100
162 92.2 71.8 107.8
160 36.3 28.0 42.0



#16
2,4,6-Tribromophenol
Concen: 7.40 ng
RT: 15.87 min Scan# 706
Delta R.T. -0.02 min
Lab File: BE091871.D
Acq: 25 May 2016 22:58

Tgt Ion:330 Resp: 31038
Ion Ratio Lower Upper
330 100
332 95.3 77.0 115.6
141 162.5 138.4 207.6

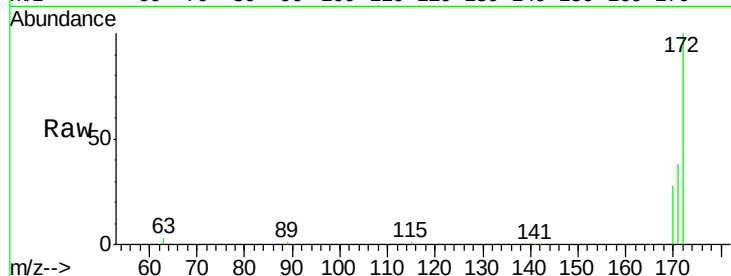




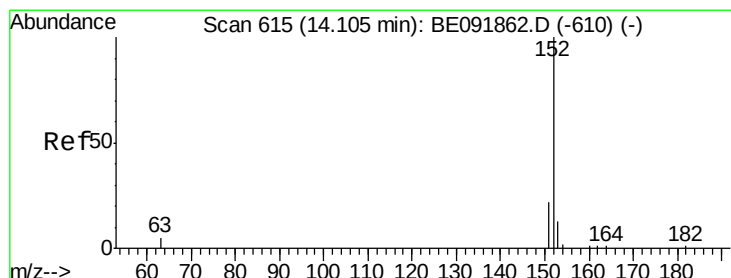
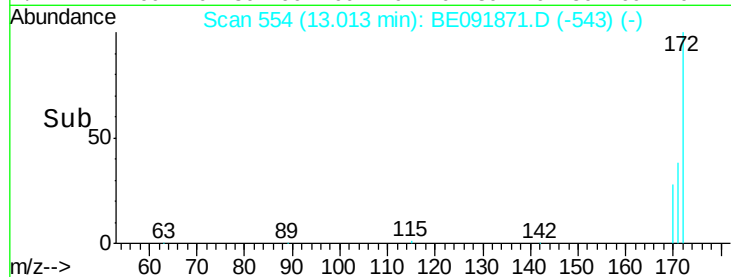
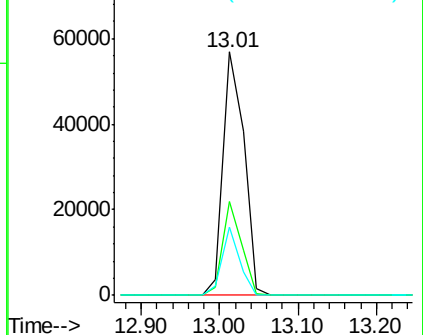
#17
2-Fluorobiphenyl
Concen: 3.73 ng
RT: 13.01 min Scan# 554
Delta R.T. -0.02 min
Lab File: BE091871.D
Acq: 25 May 2016 22:58

Instrument :
BNA_E
ClientSampleId :
PB90774BS

Tgt Ion:172 Resp: 104432
Ion Ratio Lower Upper
172 100
171 38.4 24.3 36.5#
170 28.3 14.9 22.3#

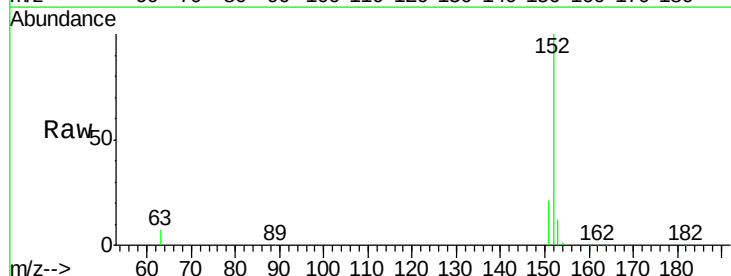


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

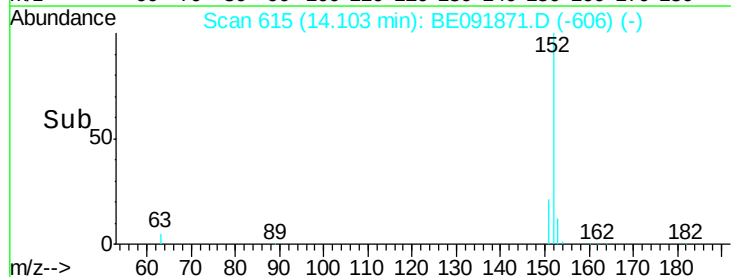
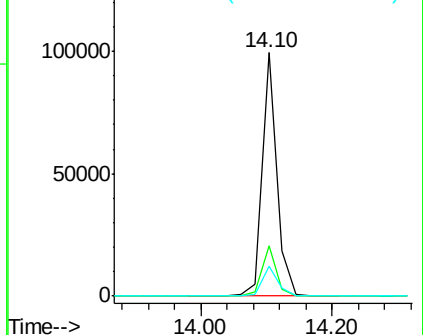


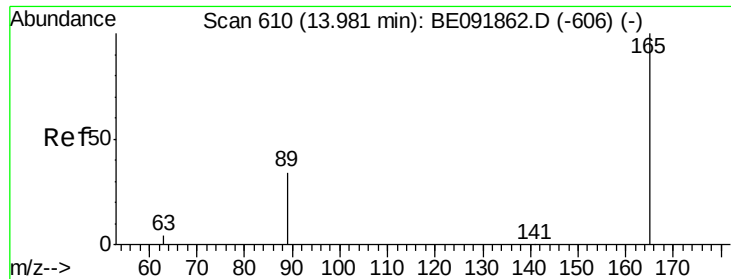
#18
Acenaphthylene
Concen: 4.11 ng
RT: 14.10 min Scan# 615
Delta R.T. -0.00 min
Lab File: BE091871.D
Acq: 25 May 2016 22:58

Tgt Ion:152 Resp: 170238
Ion Ratio Lower Upper
152 100
151 20.4 19.4 29.2
153 13.3 14.4 21.6#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

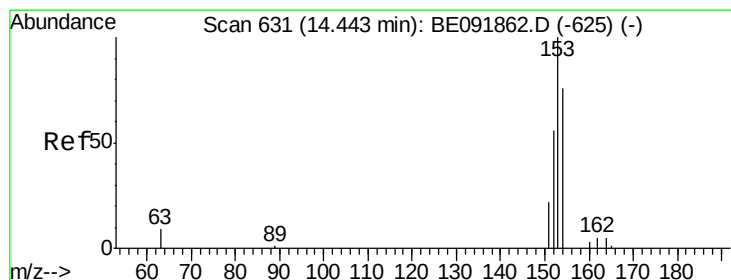
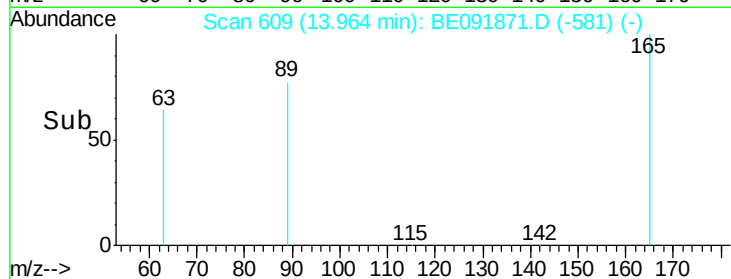
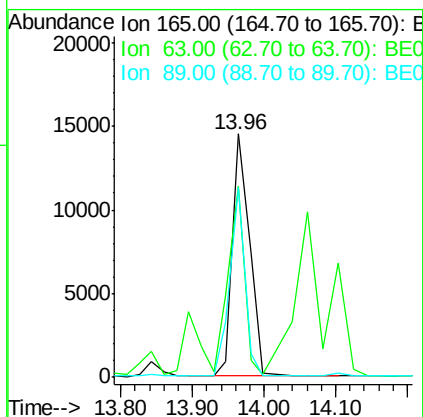
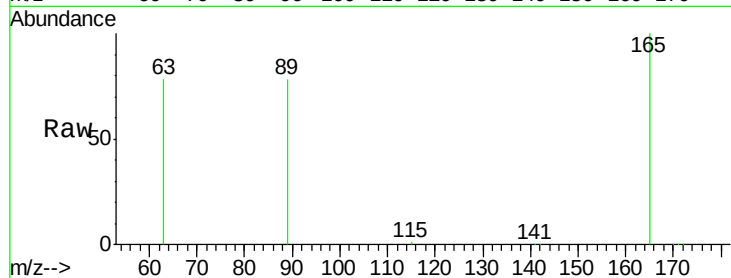




#19
 2,6-Dinitrotoluene
 Concen: 4.46 ng
 RT: 13.96 min Scan# 609
 Delta R.T. -0.02 min
 Lab File: BE091871.D
 Acq: 25 May 2016 22:58

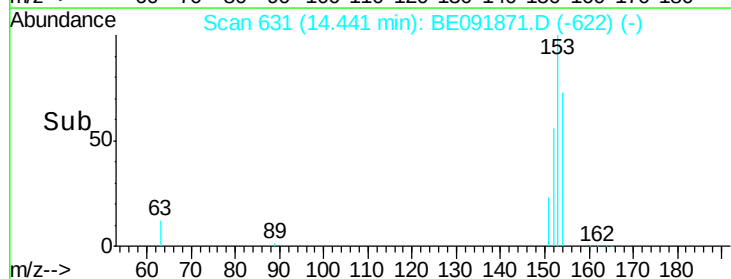
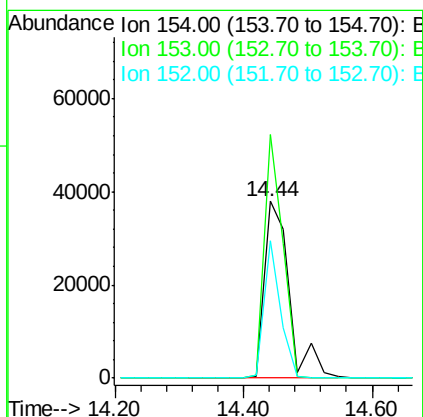
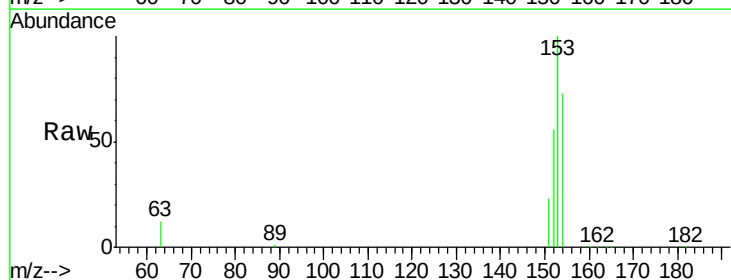
Instrument :
 BNA_E
 ClientSampleId :
 PB90774BS

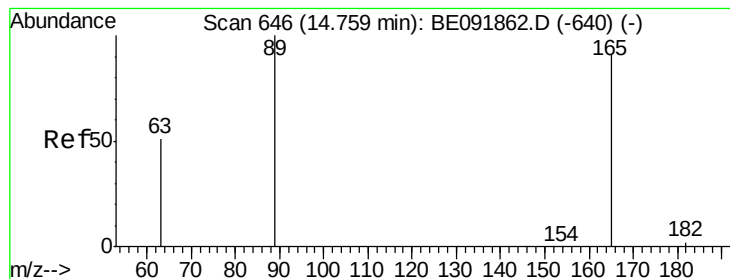
Tgt Ion:165 Resp: 28593
 Ion Ratio Lower Upper
 165 100
 63 61.8 65.9 98.9#
 89 67.9 59.1 88.7



#20
 Acenaphthene
 Concen: 4.58 ng
 RT: 14.44 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: BE091871.D
 Acq: 25 May 2016 22:58

Tgt Ion:154 Resp: 101958
 Ion Ratio Lower Upper
 154 100
 153 102.1 88.1 132.1
 152 50.8 44.2 66.2





#21

2,4-Dinitrotoluene

Concen: 4.02 ng

RT: 14.76 min Scan# 646

Delta R.T. -0.00 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

Instrument :

BNA_E

ClientSampleId :

PB90774BS

Tgt Ion:165 Resp: 35516

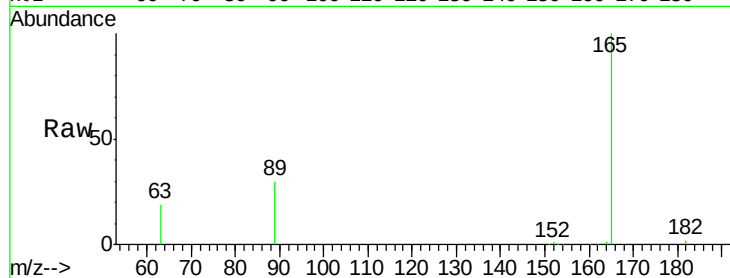
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 2.2 0.0 0.0#

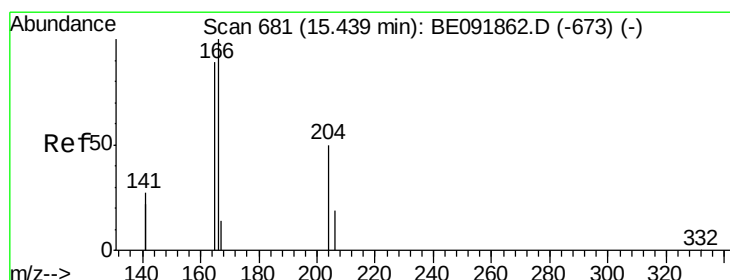
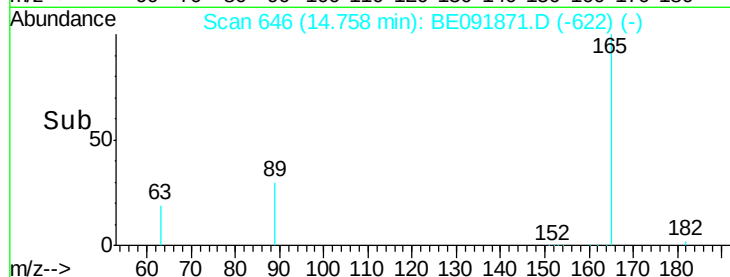
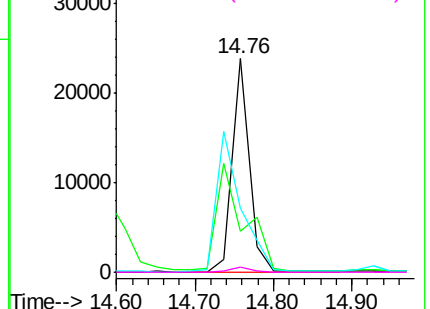


Abundance Ion 165.00 (164.70 to 165.70): E

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: 3.81 ng

RT: 15.44 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

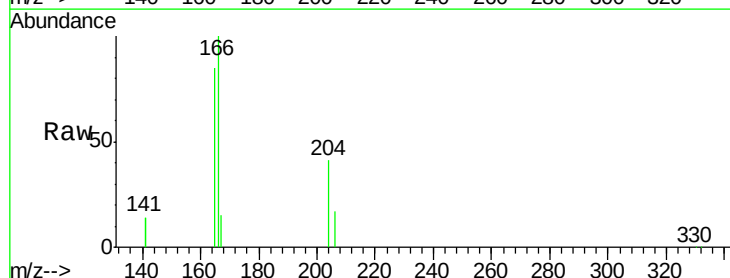
Tgt Ion:166 Resp: 125842

Ion Ratio Lower Upper

166 100

165 99.1 78.6 117.8

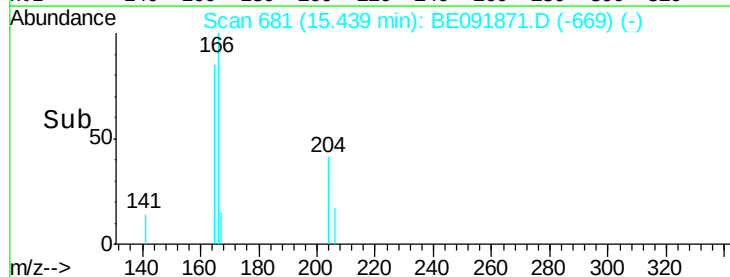
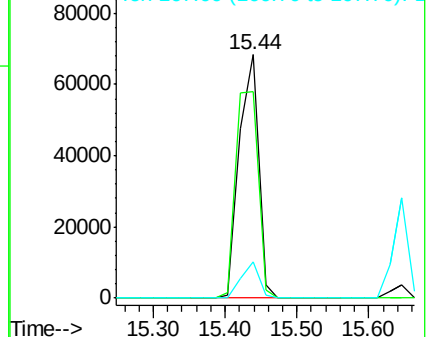
167 13.5 10.8 16.2

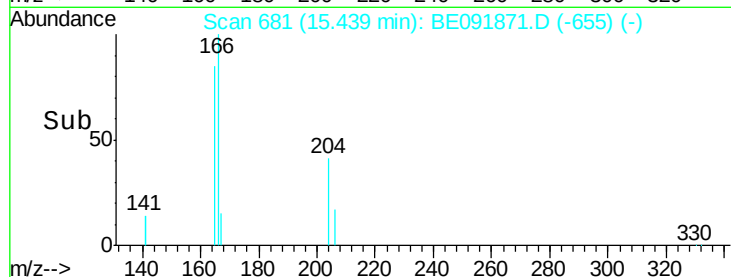
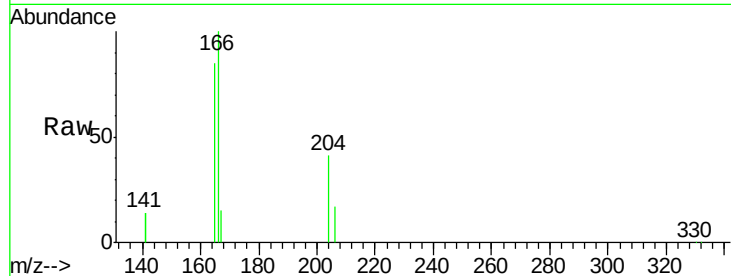
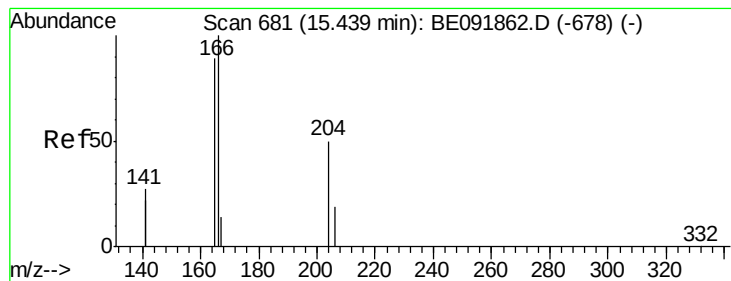


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#23

4-Chlorophenyl-phenylether

Concen: 4.14 ng

RT: 15.44 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

Instrument :

BNA_E

ClientSampled :

PB90774BS

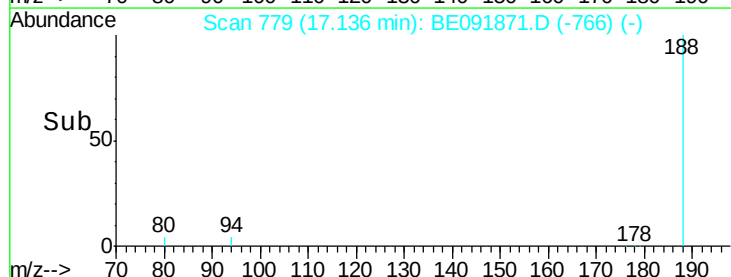
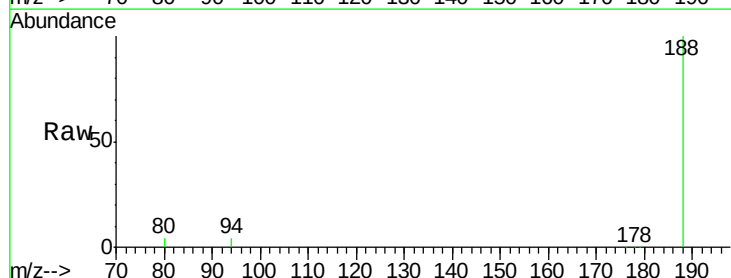
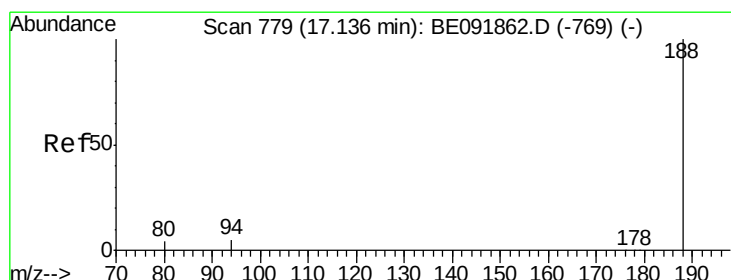
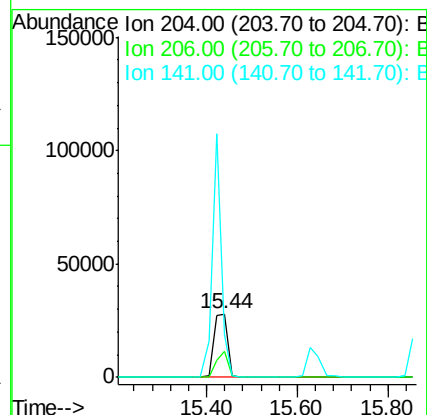
Tgt Ion:204 Resp: 59019

Ion Ratio Lower Upper

204 100

206 34.0 27.8 41.6

141 250.2 197.6 296.4



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.14 min Scan# 779

Delta R.T. 0.00 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

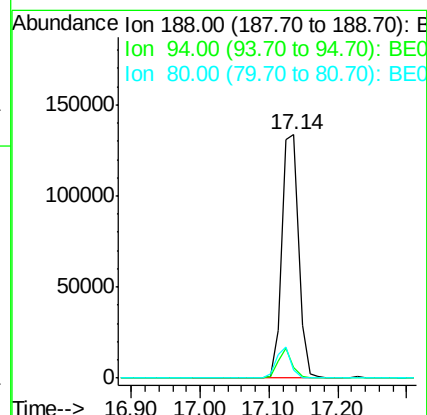
Tgt Ion:188 Resp: 264663

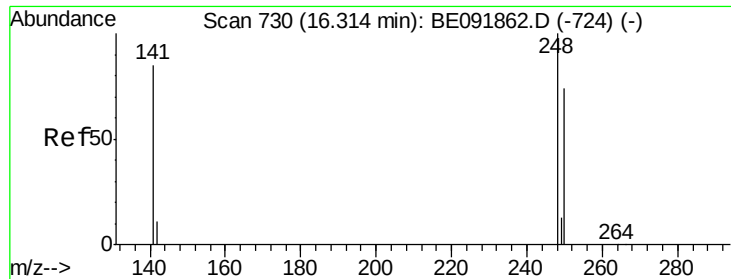
Ion Ratio Lower Upper

188 100

94 4.4 4.1 6.1

80 3.6 3.4 5.2





#25

4-Bromophenyl-phenylether

Concen: 3.95 ng

RT: 16.31 min Scan# 730

Delta R.T. 0.00 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

Instrument :

BNA_E

ClientSampleId :

PB90774BS

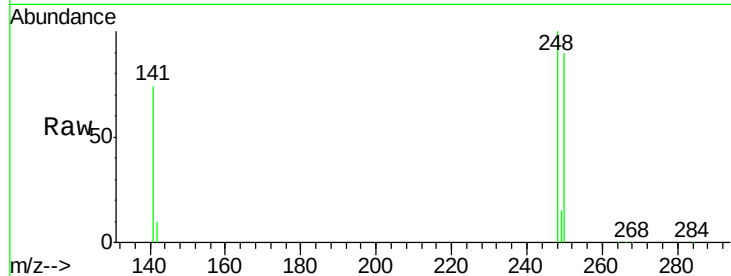
Tgt Ion:248 Resp: 37378

Ion Ratio Lower Upper

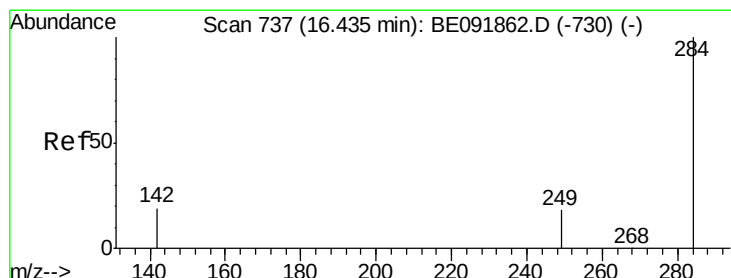
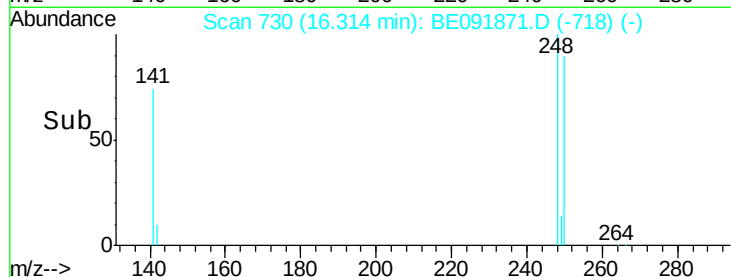
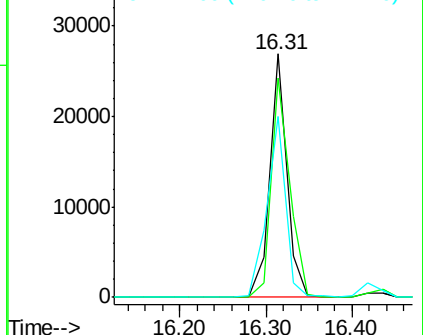
248 100

250 97.3 75.7 113.5

141 80.5 64.6 97.0



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



#26

Hexachlorobenzene

Concen: 4.16 ng

RT: 16.44 min Scan# 737

Delta R.T. 0.00 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

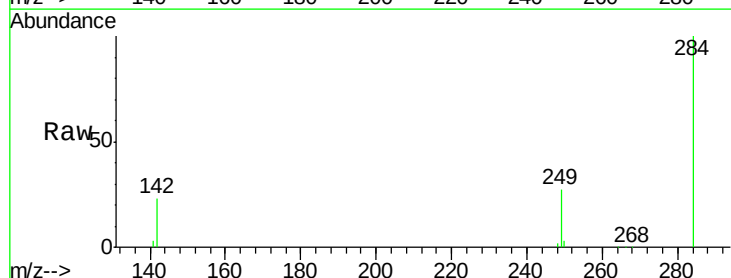
Tgt Ion:284 Resp: 37553

Ion Ratio Lower Upper

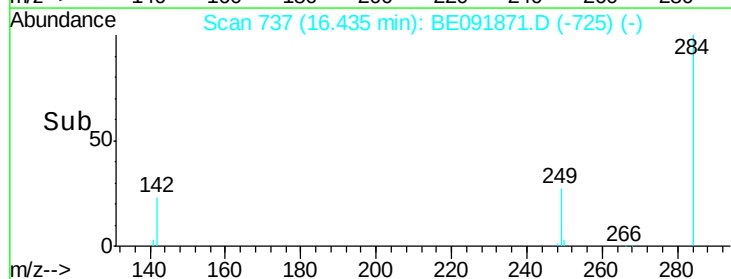
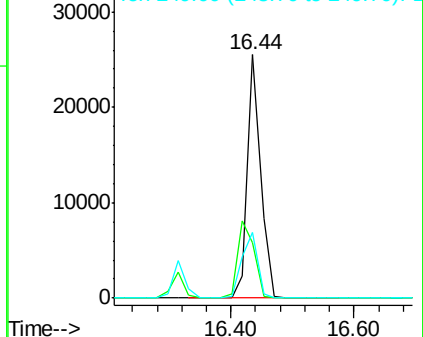
284 100

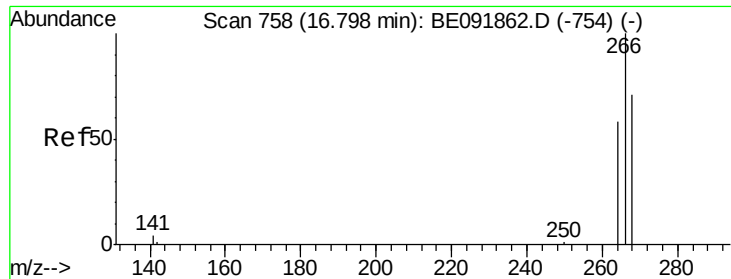
142 39.4 31.4 47.2

249 32.1 25.3 37.9



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

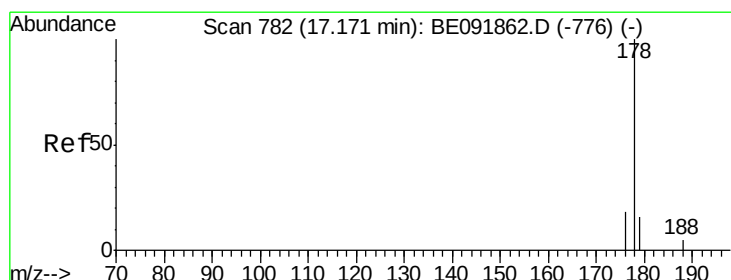
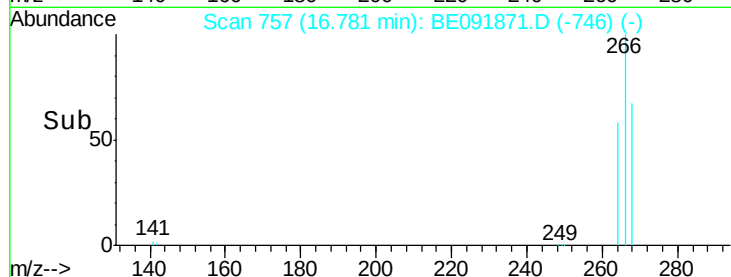
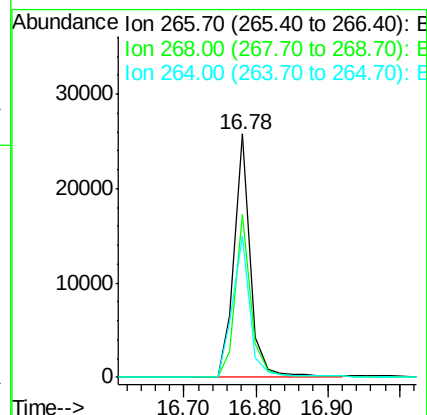
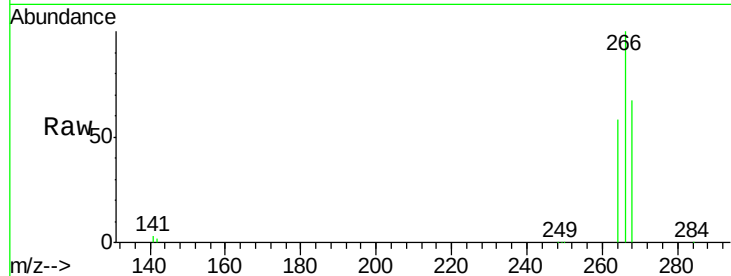




#27
 Pentachlorophenol
 Concen: 11.51 ng
 RT: 16.78 min Scan# 757
 Delta R.T. -0.02 min
 Lab File: BE091871.D
 Acq: 25 May 2016 22:58

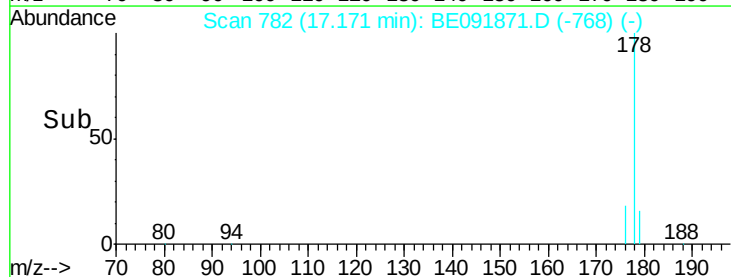
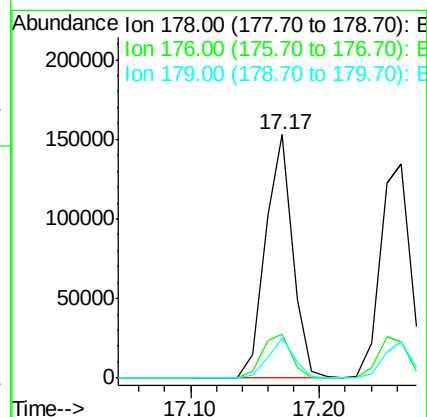
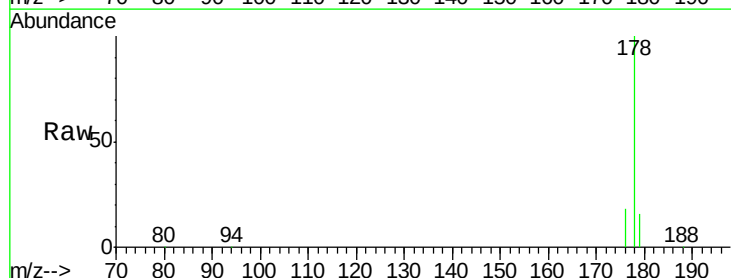
Instrument :
 BNA_E
 ClientSampleId :
 PB90774BS

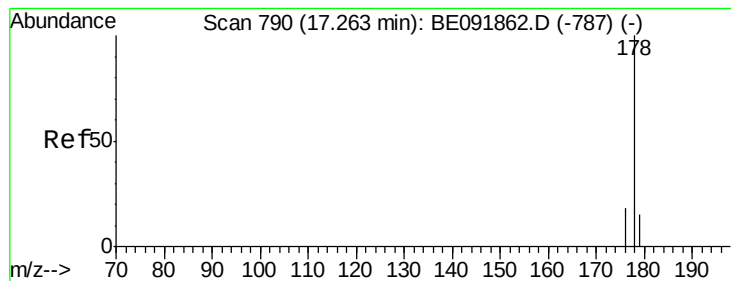
Tgt Ion:266 Resp: 40036
 Ion Ratio Lower Upper
 266 100
 268 66.7 60.5 90.7
 264 58.1 51.0 76.4



#28
 Phenanthrene
 Concen: 4.54 ng
 RT: 17.17 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: BE091871.D
 Acq: 25 May 2016 22:58

Tgt Ion:178 Resp: 225342
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.4 23.2
 179 15.6 12.9 19.3





#29

Anthracene

Concen: 4.20 ng

RT: 17.26 min Scan# 790

Delta R.T. 0.00 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

Instrument :

BNA_E

ClientSampleId :

PB90774BS

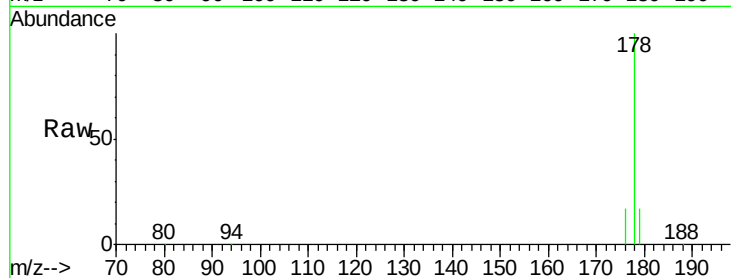
Tgt Ion:178 Resp: 221958

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

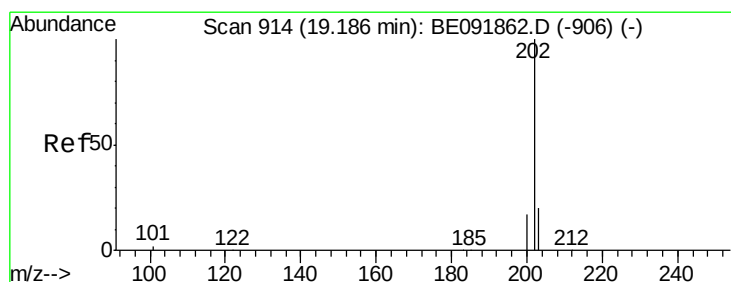
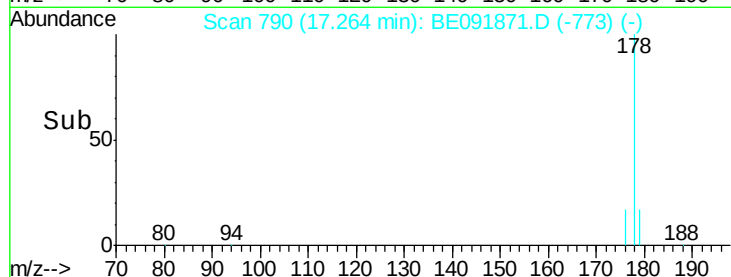
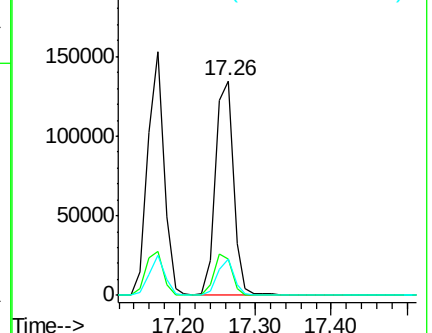
179 15.2 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#30

Fluoranthene

Concen: 4.33 ng

RT: 19.17 min Scan# 913

Delta R.T. -0.02 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

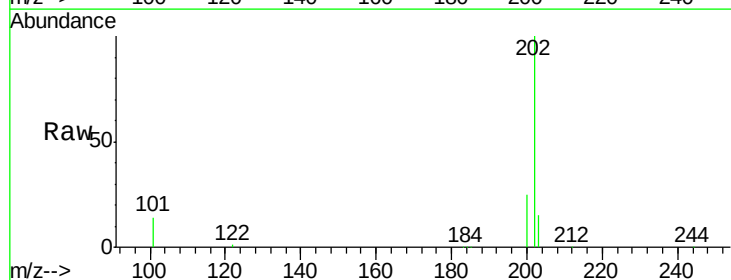
Tgt Ion:202 Resp: 254099

Ion Ratio Lower Upper

202 100

101 11.8 9.4 14.0

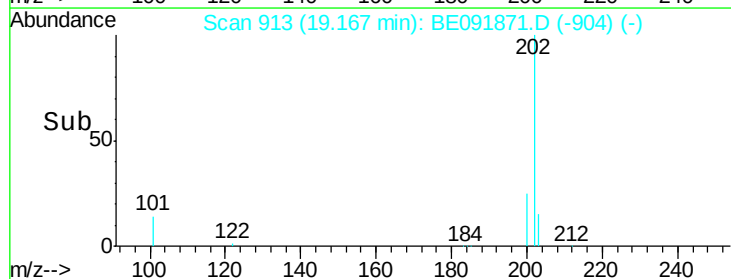
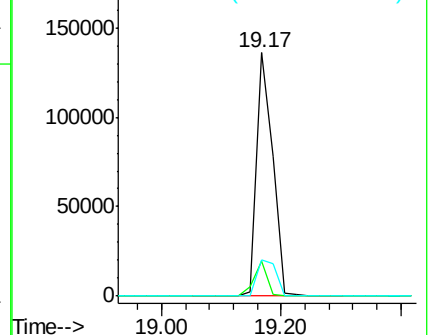
203 17.9 14.3 21.5

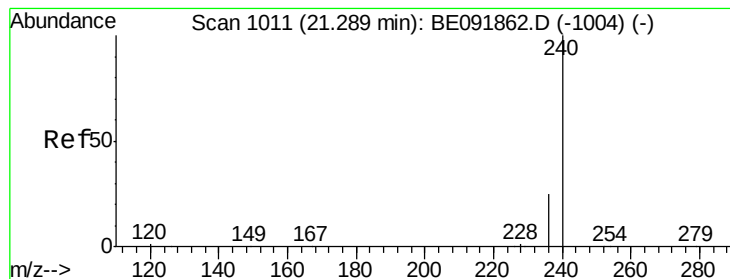


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.29 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

Instrument :

BNA_E

ClientSampleId :

PB90774BS

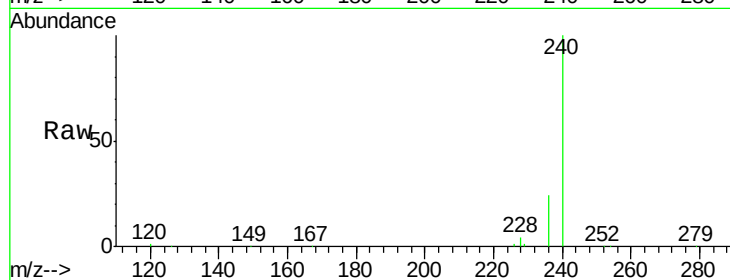
Tgt Ion:240 Resp: 275047

Ion Ratio Lower Upper

240 100

120 1.2 1.2 1.8

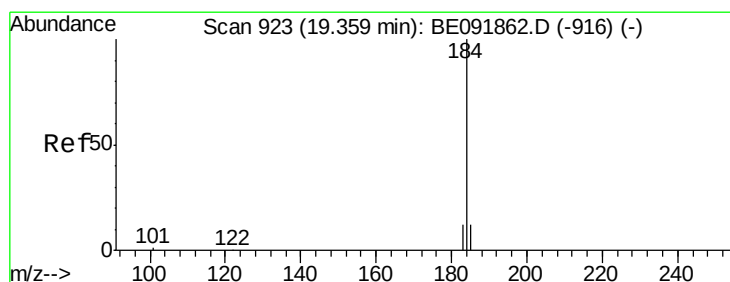
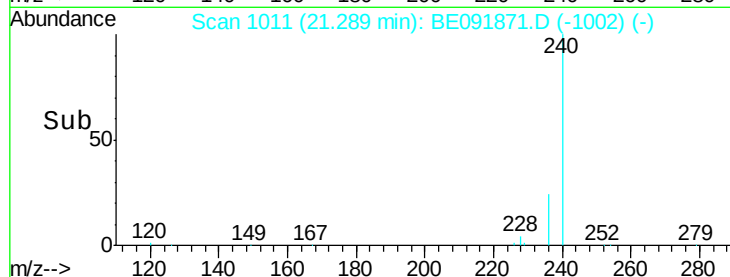
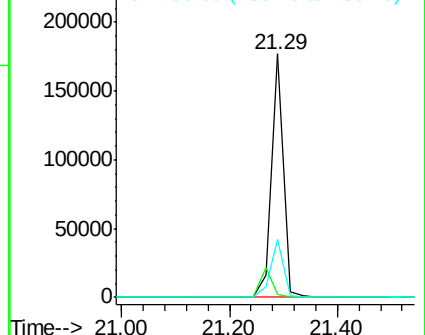
236 24.0 19.8 29.8



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: 4.98 ng

RT: 19.36 min Scan# 923

Delta R.T. 0.00 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

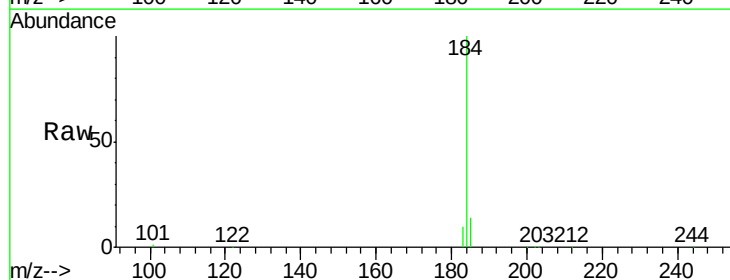
Tgt Ion:184 Resp: 125269

Ion Ratio Lower Upper

184 100

185 14.5 11.4 17.2

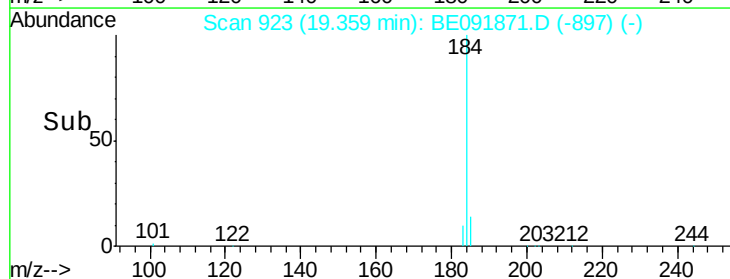
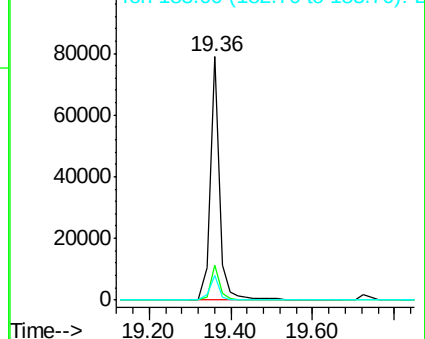
183 10.1 11.8 17.6#

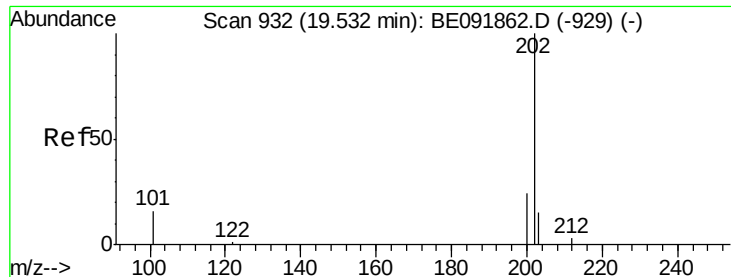


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

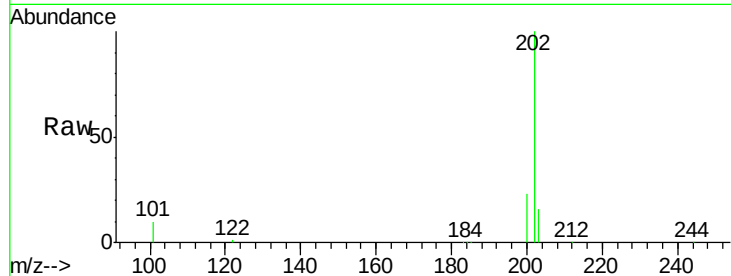




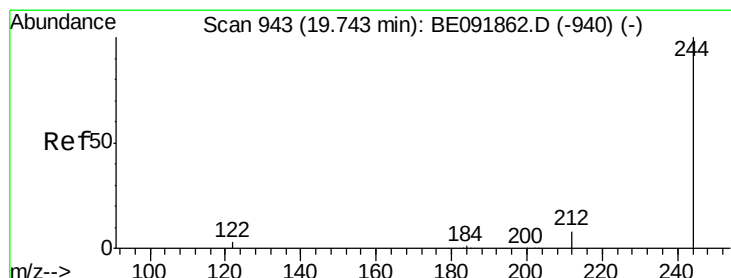
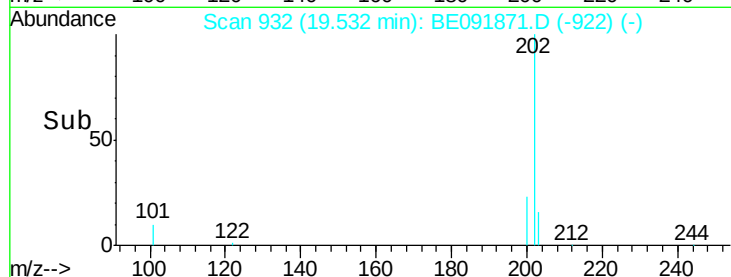
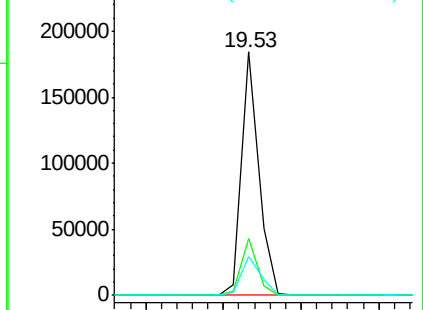
#33
 Pyrene
 Concen: 4.83 ng
 RT: 19.53 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: BE091871.D
 Acq: 25 May 2016 22:58

Instrument :
 BNA_E
 ClientSampleId :
 PB90774BS

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	16.9	25.3
203	17.9	14.1	21.1

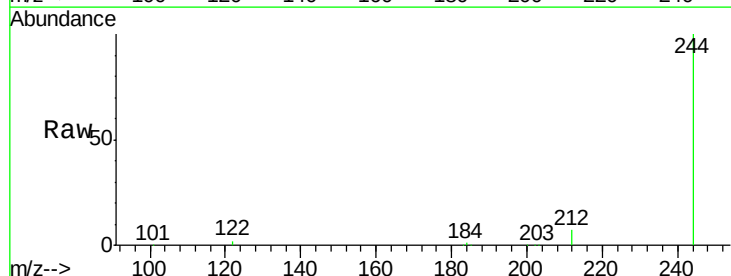


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

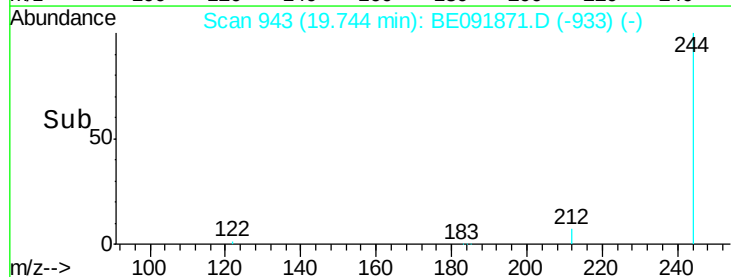
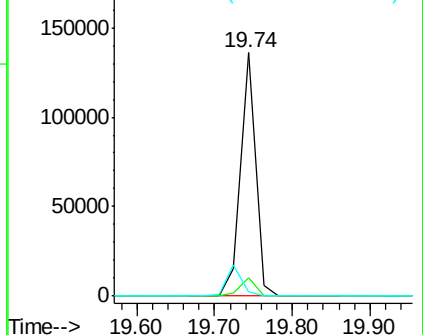


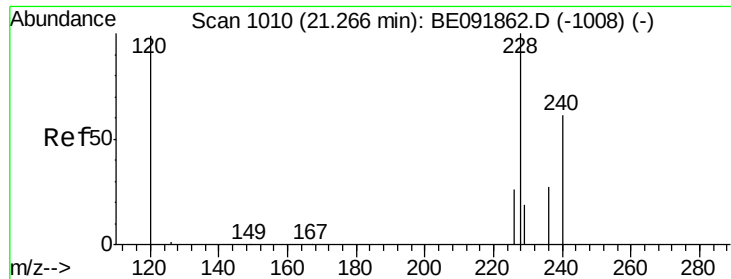
#34
 Terphenyl-d14
 Concen: 4.38 ng
 RT: 19.74 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: BE091871.D
 Acq: 25 May 2016 22:58

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.5	9.7
122	1.6	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: 8.04 ng

RT: 21.27 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

Instrument :

BNA_E

ClientSampled :

PB90774BS

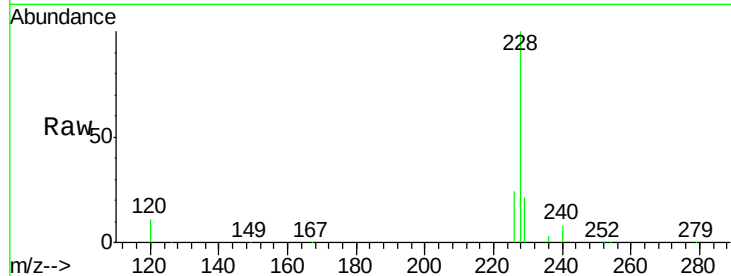
Tgt Ion:228 Resp: 589243

Ion Ratio Lower Upper

228 100

226 24.3 21.0 31.4

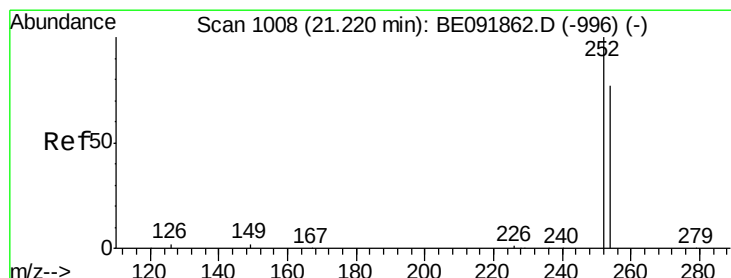
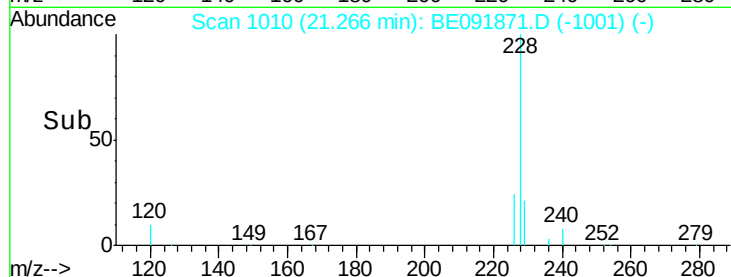
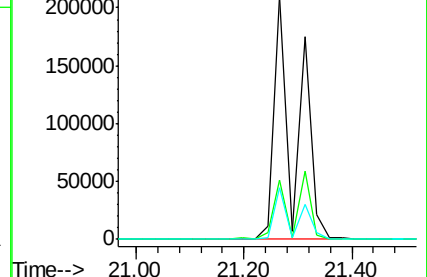
229 21.1 15.8 23.8



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: 1.71 ng

RT: 21.20 min Scan# 1007

Delta R.T. -0.02 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

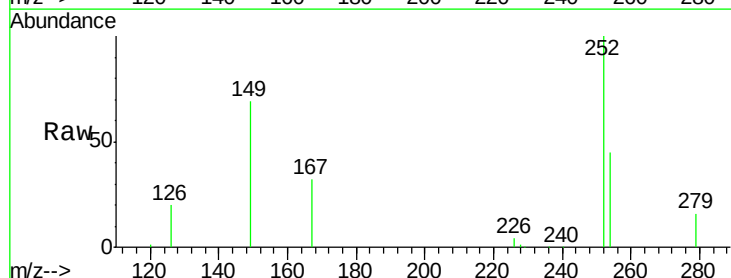
Tgt Ion:252 Resp: 68820

Ion Ratio Lower Upper

252 100

254 44.9 61.5 92.3#

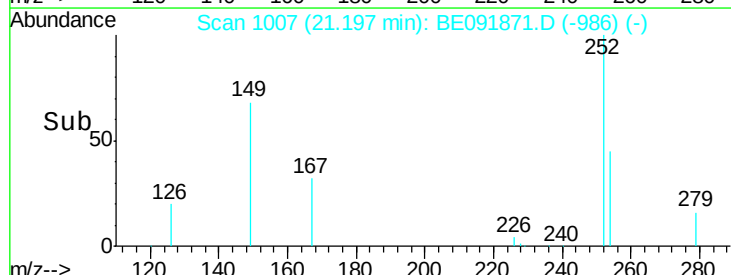
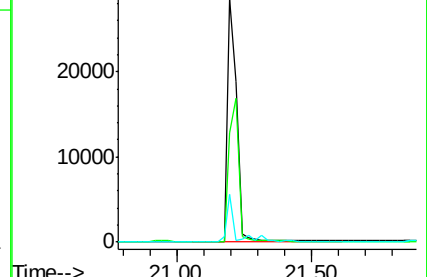
126 19.8 2.5 3.7#

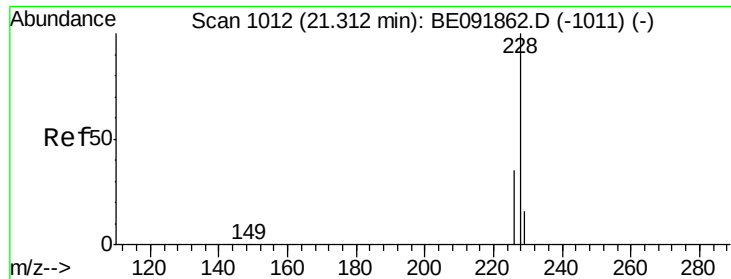


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

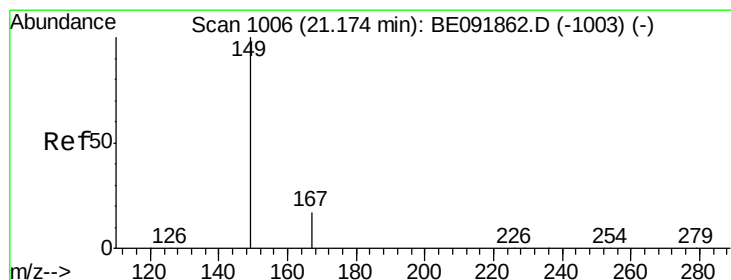
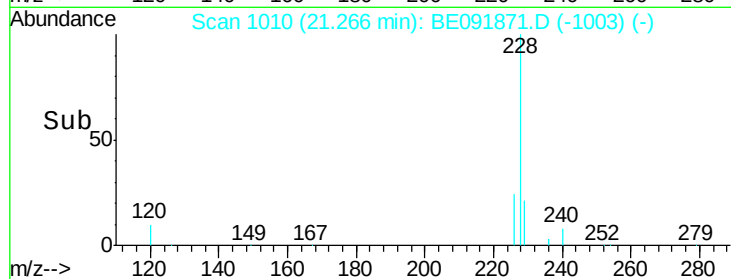
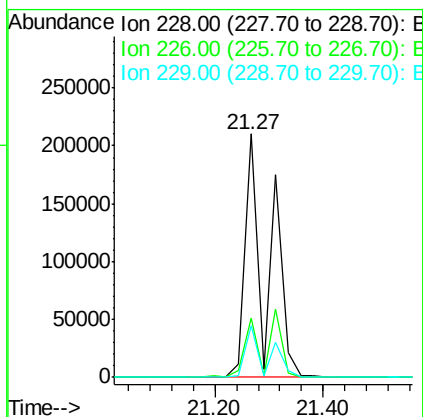
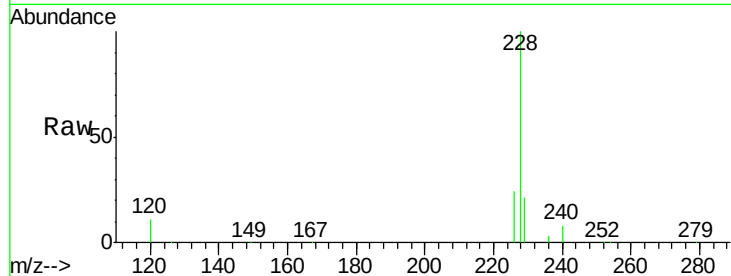




#37
Chrysene
 Concen: 11.35 ng
 RT: 21.27 min Scan# 1010
 Delta R.T. -0.05 min
 Lab File: BE091871.D
 Acq: 25 May 2016 22:58

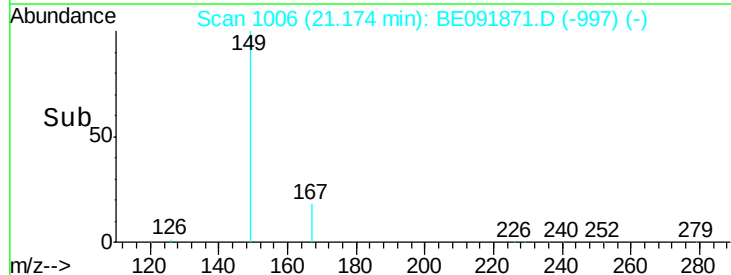
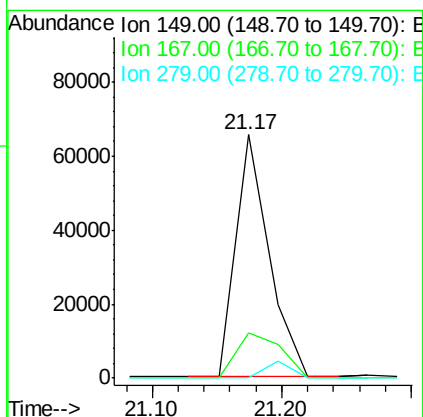
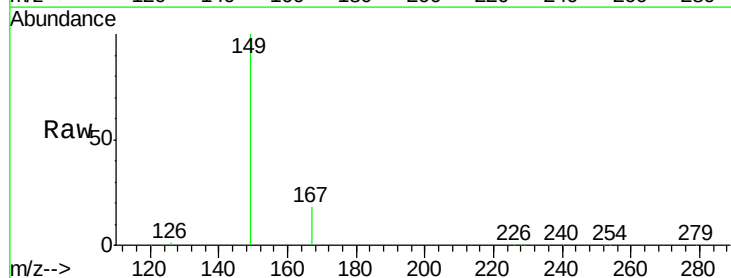
Instrument :
 BNA_E
 ClientSampleId :
 PB90774BS

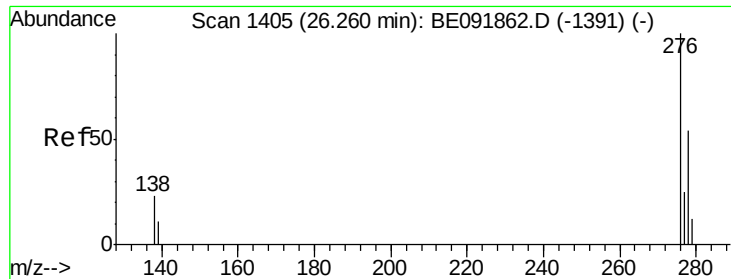
Tgt Ion:228 Resp: 590551
 Ion Ratio Lower Upper
 228 100
 226 24.3 27.0 40.6#
 229 21.1 13.8 20.8#



#38
Bis(2-ethylhexyl)phthalate
 Concen: 4.44 ng
 RT: 21.17 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: BE091871.D
 Acq: 25 May 2016 22:58

Tgt Ion:149 Resp: 118256
 Ion Ratio Lower Upper
 149 100
 167 25.0 0.0 0.0#
 279 0.0 0.0 0.0





#39

Indeno(1,2,3-cd)pyrene

Concen: 4.29 ng

RT: 26.26 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

Instrument :

BNA_E

ClientSampleId :

PB90774BS

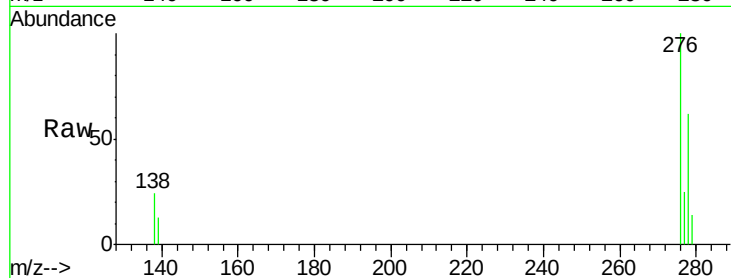
Tgt Ion: 276 Resp: 295319

Ion Ratio Lower Upper

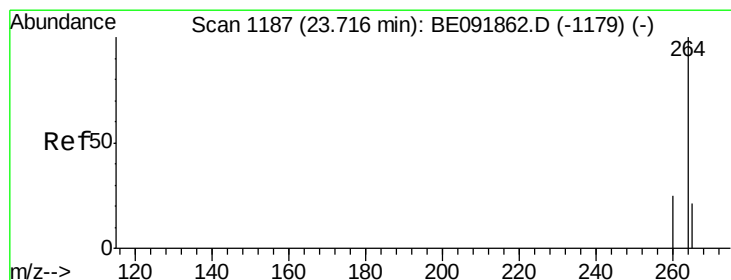
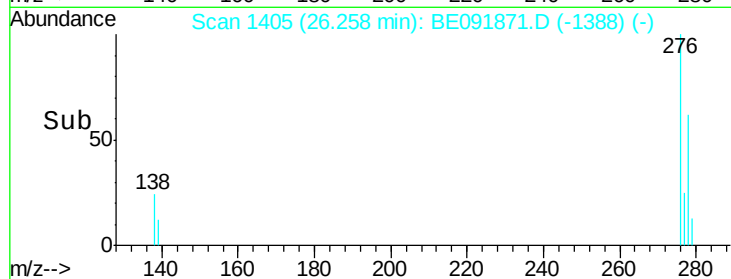
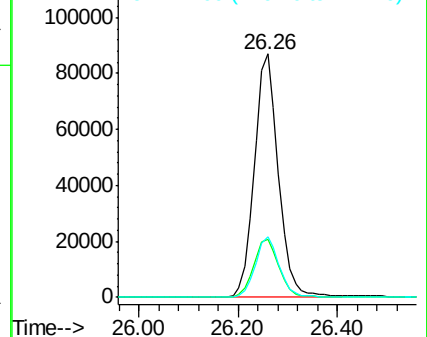
276 100

138 24.9 19.7 29.5

277 24.9 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# 1187

Delta R.T. -0.00 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

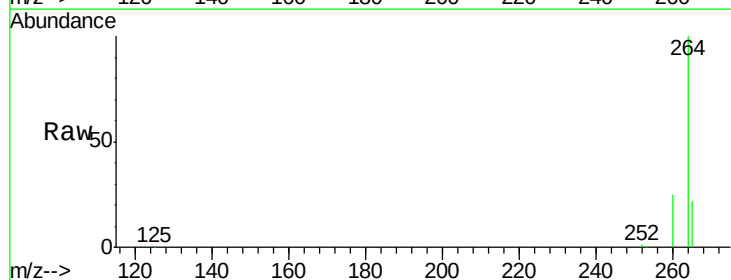
Tgt Ion: 264 Resp: 245453

Ion Ratio Lower Upper

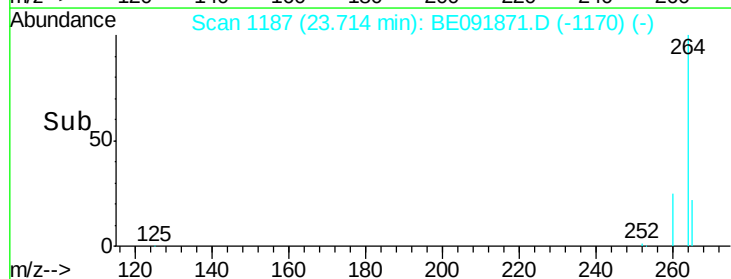
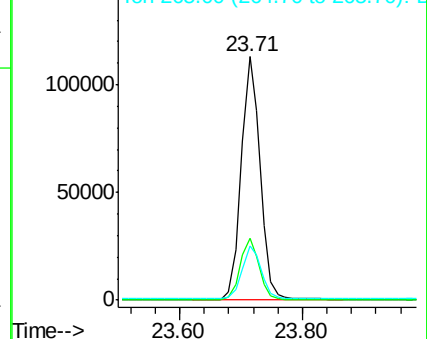
264 100

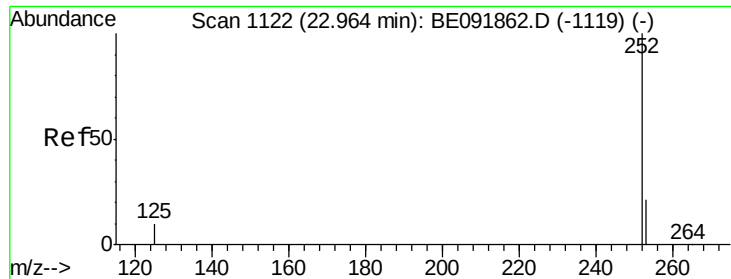
260 25.4 20.3 30.5

265 22.1 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: 3.99 ng

RT: 22.96 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

Instrument :

BNA_E

ClientSampleId :

PB90774BS

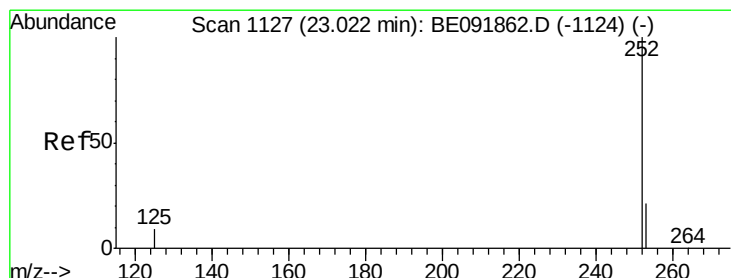
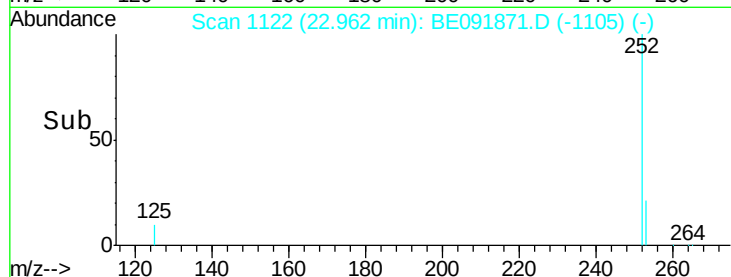
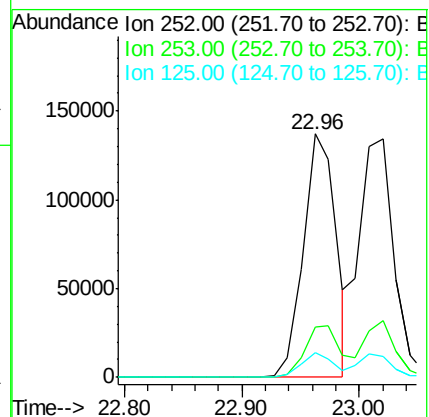
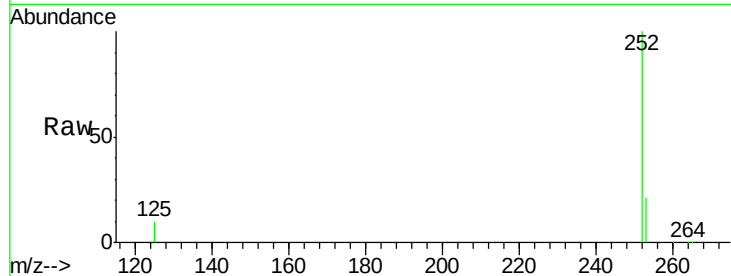
Tgt Ion:252 Resp: 264089

Ion Ratio Lower Upper

252 100

253 20.8 17.8 26.6

125 10.4 9.4 14.2



#42

Benzo(k)fluoranthene

Concen: 4.56 ng

RT: 23.02 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

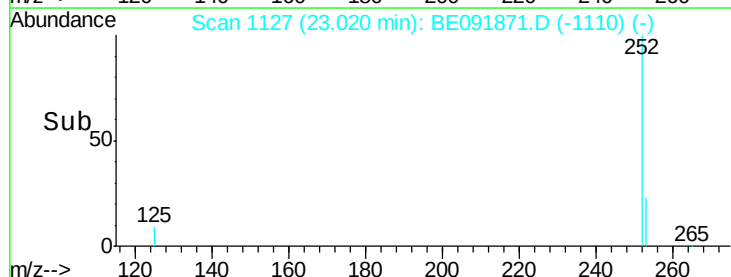
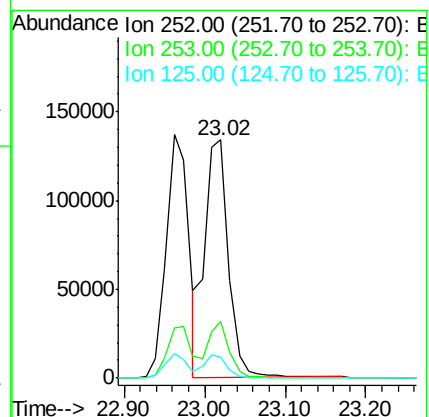
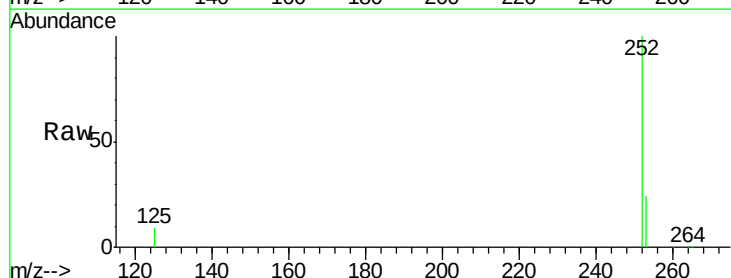
Tgt Ion:252 Resp: 274402

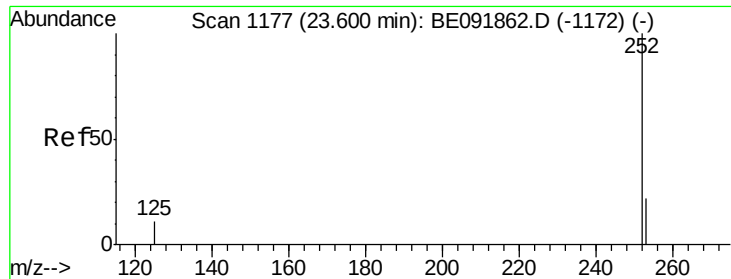
Ion Ratio Lower Upper

252 100

253 23.6 19.4 29.2

125 8.8 8.3 12.5





#43

Benzo(a)pyrene

Concen: 4.33 ng

RT: 23.60 min Scan# 1177

Delta R.T. -0.00 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

Instrument :

BNA_E

ClientSampleId :

PB90774BS

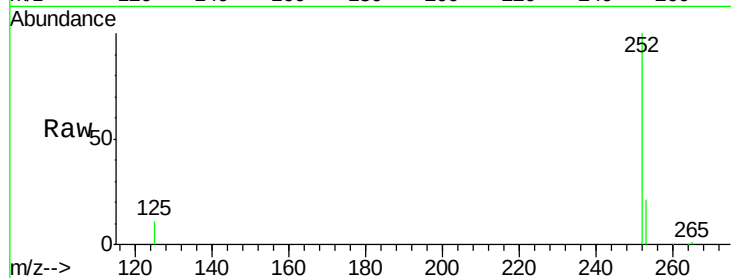
Tgt Ion: 252 Resp: 260154

Ion Ratio Lower Upper

252 100

253 21.3 18.9 28.3

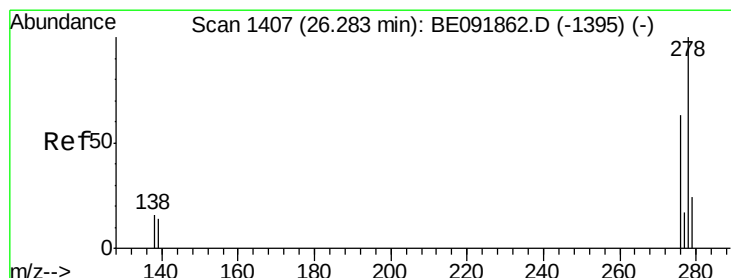
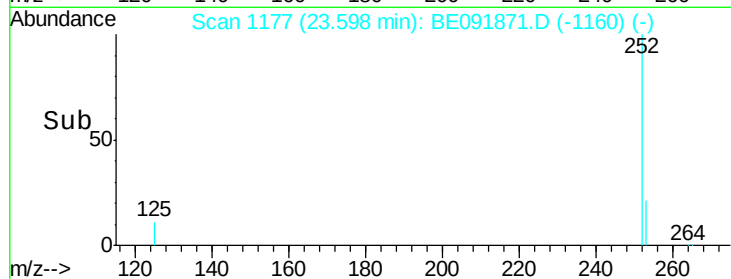
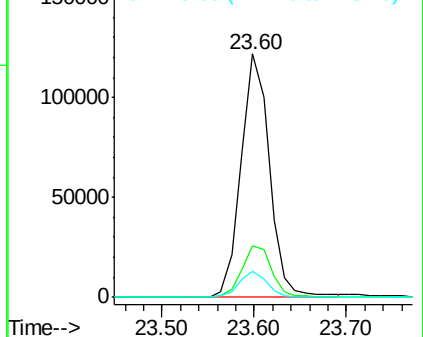
125 10.7 10.5 15.7



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: 4.26 ng

RT: 26.27 min Scan# 1406

Delta R.T. -0.01 min

Lab File: BE091871.D

Acq: 25 May 2016 22:58

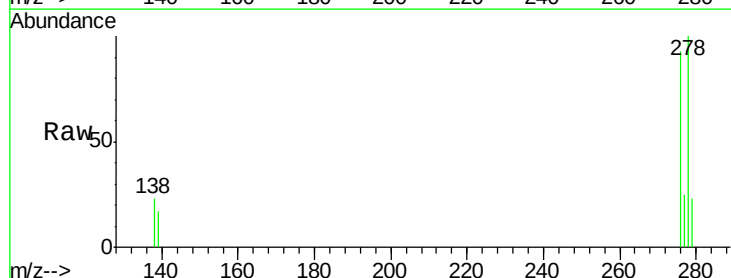
Tgt Ion: 278 Resp: 244888

Ion Ratio Lower Upper

278 100

139 16.8 12.6 18.8

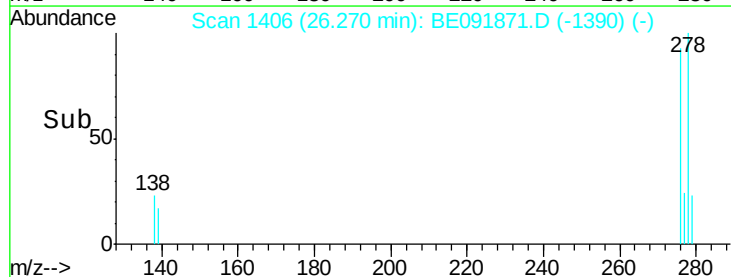
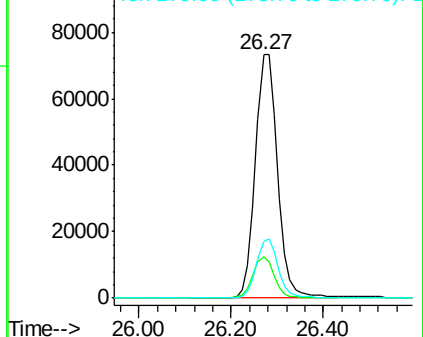
279 23.5 20.0 30.0

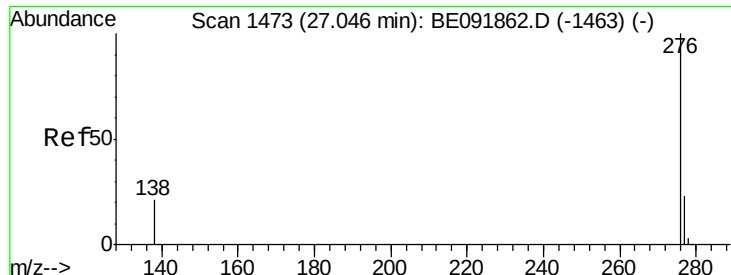


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#45

Benzo(g,h,i)perylene

Concen: 4.26 ng

RT: 27.03 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BE091871.D

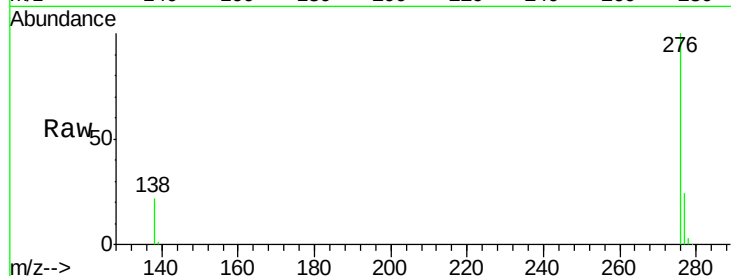
Acq: 25 May 2016 22:58

Instrument :

BNA_E

ClientSampleId :

PB90774BS



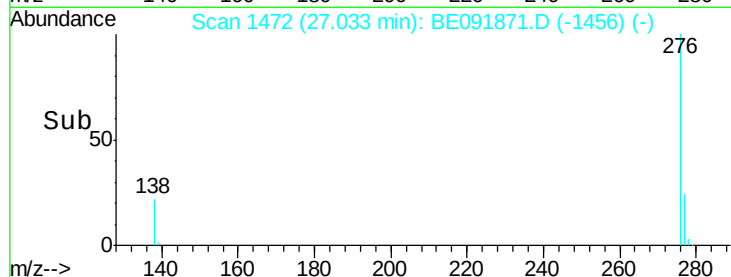
Tgt Ion: 276 Resp: 248389

Ion Ratio Lower Upper

276 100

277 23.7 19.5 29.3

138 22.2 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

