

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070516\
 Data File : BE091972.D
 Acq On : 5 Jul 2016 21:47
 Operator : UM/SJ
 Sample : PB91781BSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91781BSD

Quant Time: Jul 06 05:53:29 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 16:14:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	23331	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	105438	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	70128	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	142421	5.00	ng	0.00
31) Chrysene-d12	21.76	240	260640	5.00	ng	0.00
40) Perylene-d12	24.17	264	195860	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	41020	7.35	ng	0.00
5) Phenol-d6	7.35	99	55322	7.13	ng	-0.02
9) Nitrobenzene-d5	9.36	82	28888	4.02	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	15105	6.05	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	66610	3.89	ng	0.00
34) Terphenyl-d14	20.22	244	105233	3.42	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	8996	2.84	ng	# 82
3) n-Nitrosodimethylamine	3.80	42	15302	3.75	ng	# 83
6) bis(2-Chloroethyl)ether	7.61	93	23901	3.54	ng	97
7) n-Nitroso-di-n-propylamine	9.00	70	20939	3.23	ng	# 96
10) Nitrobenzene	9.40	77	28767	3.69	ng	# 100
11) bis(2-Chloroethoxy)methane	10.40	93	29928	3.40	ng	# 1
12) Naphthalene	11.04	128	81491	3.32	ng	97
13) Hexachlorobutadiene	11.34	225	12061	3.23	ng	98
14) 2-Methylnaphthalene	12.66	142	54123	3.43	ng	93
18) Acenaphthylene	14.56	152	347654	3.95	ng	# 72
19) 2,6-Dinitrotoluene	14.44	165	69255	3.45	ng	# 10
20) Acenaphthene	14.92	154	61648	3.22	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	80697	3.62	ng	# 54
22) Fluorene	15.90	166	70877	3.50	ng	100
23) 4-Chlorophenyl-phenylether	15.90	204	33202	3.29	ng	98
25) 4-Bromophenyl-phenylether	16.78	248	20627	3.33	ng	99
26) Hexachlorobenzene	16.90	284	20681	3.37	ng	100
27) Pentachlorophenol	17.25	266	18774	5.98	ng	90
28) Phenanthrene	17.64	178	127222	3.43	ng	99
29) Anthracene	17.72	178	120887	3.49	ng	100
30) Fluoranthene	19.65	202	563943	3.54	ng	# 87
32) Benzidine	19.83	184	10456	0.71	ng	# 94
33) Pyrene	20.02	202	578043	3.05	ng	# 74
35) Benzo(a)anthracene	21.79	228	368708	8.45	ng	# 88
36) 3,3'-Dichlorobenzidine	21.67	252	19403	1.68	ng	# 58
37) Chrysene	21.79	228	371772	6.01	ng	99
38) Bis(2-ethylhexyl)phthalate	21.67	149	149883	2.96	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	834361	3.44	ng	98
41) Benzo(b)fluoranthene	23.48	252	176390	3.26	ng	98
42) Benzo(k)fluoranthene	23.48	252	178781	3.42	ng	97
43) Benzo(a)pyrene	24.06	252	179289	3.51	ng	95
44) Dibenzo(a,h)anthracene	26.72	278	173002	3.60	ng	98
45) Benzo(g,h,i)perylene	27.47	276	703431	3.59	ng	99

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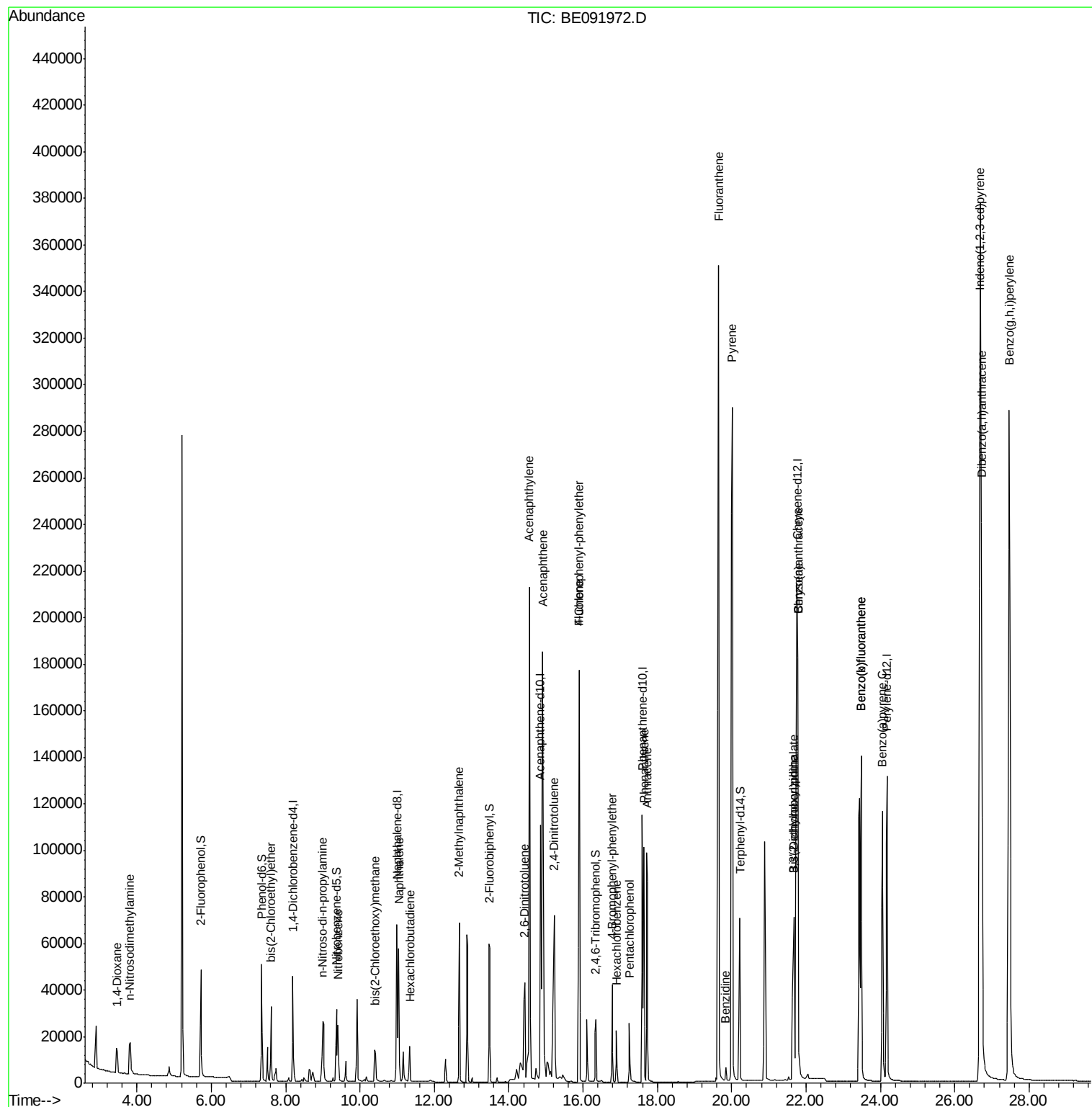
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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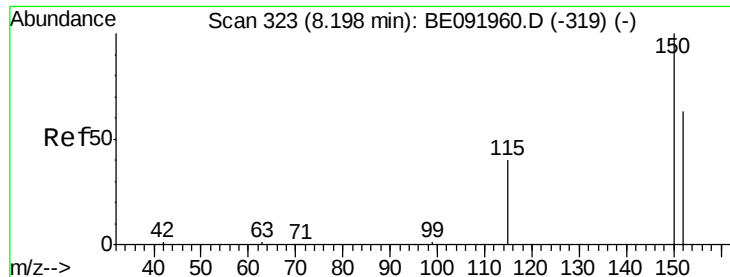
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. 0.00 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

Instrument :

BNA_E

ClientSampleId :

PB91781BSD

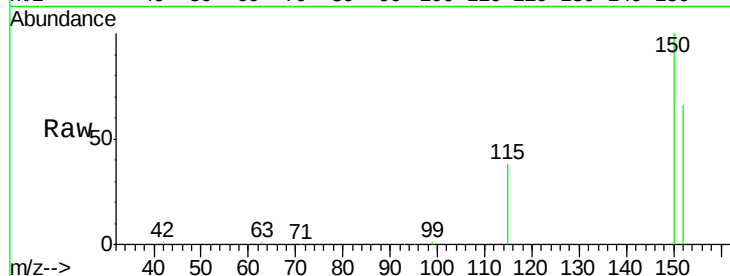
Tgt Ion:152 Resp: 23331

Ion Ratio Lower Upper

152 100

150 152.1 123.9 185.9

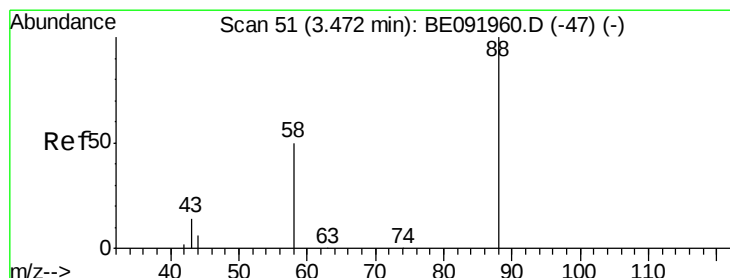
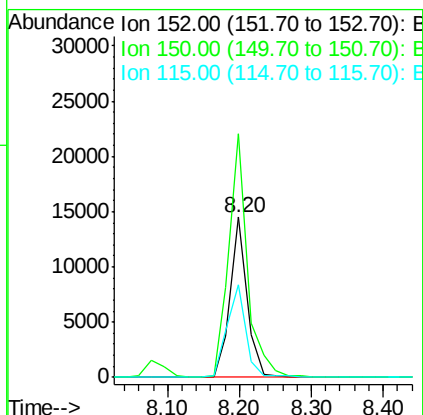
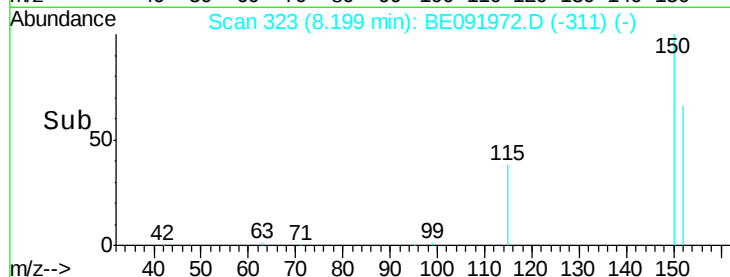
115 58.1 48.3 72.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 2.84 ng

RT: 3.47 min Scan# 51

Delta R.T. -0.00 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

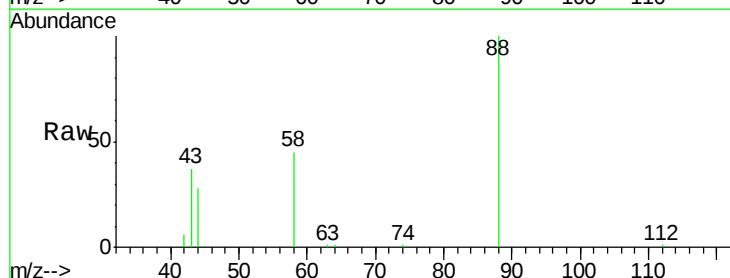
Tgt Ion: 88 Resp: 8996

Ion Ratio Lower Upper

88 100

58 92.2 63.0 94.4

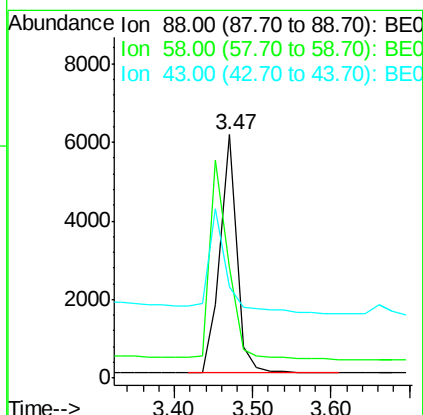
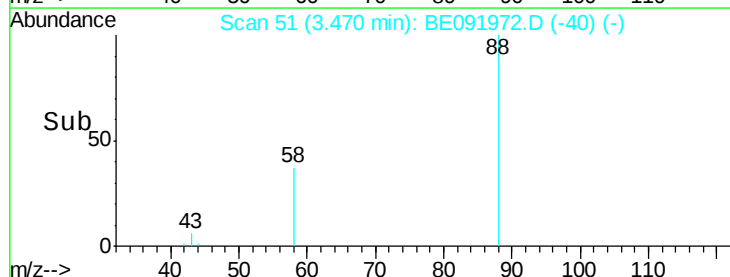
43 49.6 29.1 43.7#

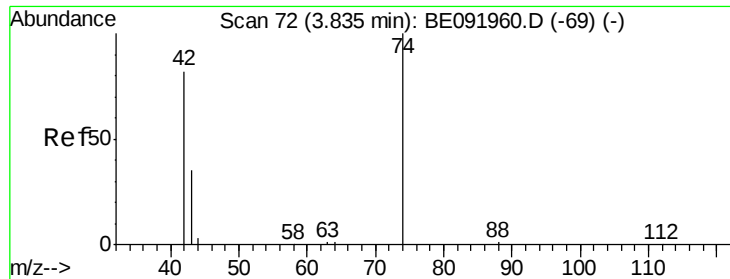


Abundance Ion 88.00 (87.70 to 88.70): BE0

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: 3.80 min Scan# 70

Delta R.T. -0.04 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

Instrument :

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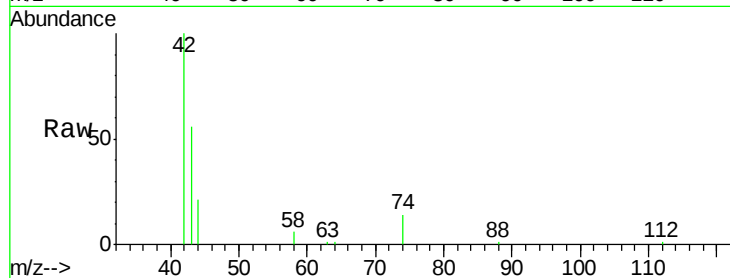
Tgt Ion: 42 Resp: 15302

Ion Ratio Lower Upper

42 100

74 97.4 93.4 140.0

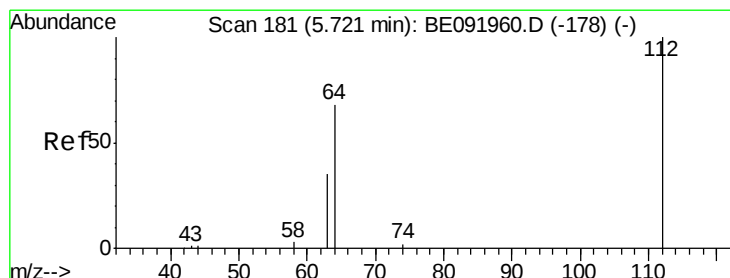
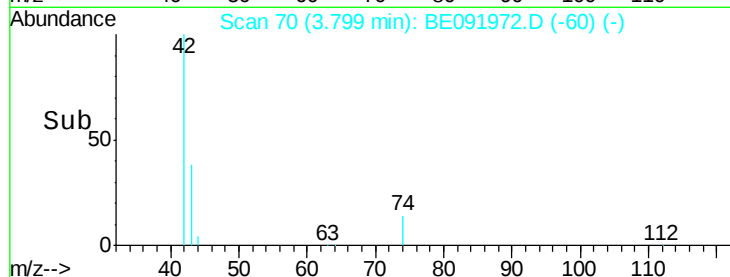
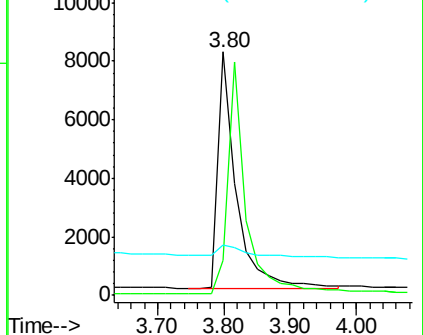
44 9.0 5.0 7.6#



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: 7.35 ng

RT: 5.72 min Scan# 181

Delta R.T. -0.00 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

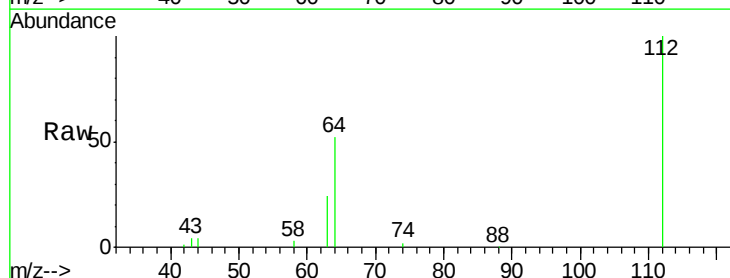
Tgt Ion: 112 Resp: 41020

Ion Ratio Lower Upper

112 100

64 65.9 53.7 80.5

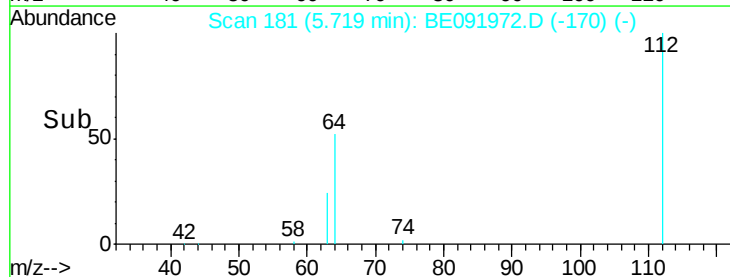
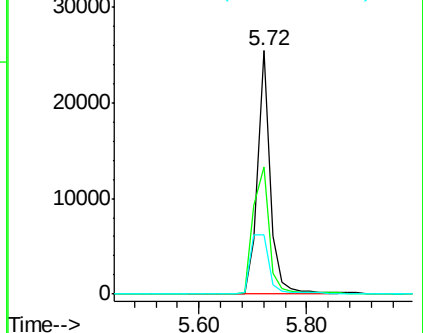
63 35.5 29.5 44.3

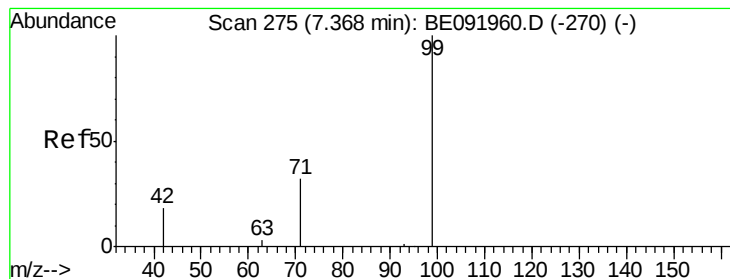


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.13 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

Instrument :

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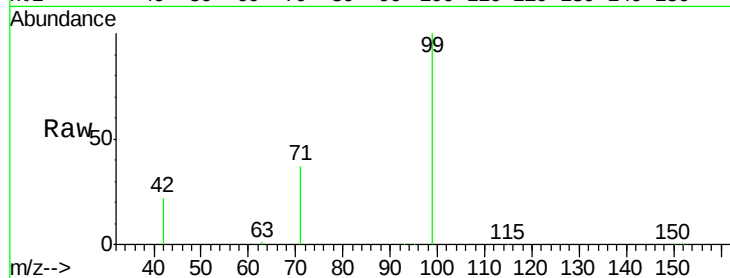
Tgt Ion: 99 Resp: 55322

Ion Ratio Lower Upper

99 100

42 24.8 19.6 29.4

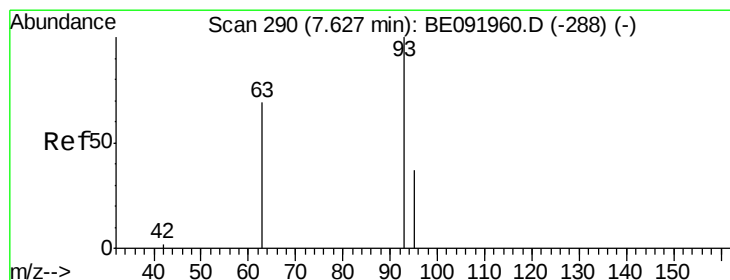
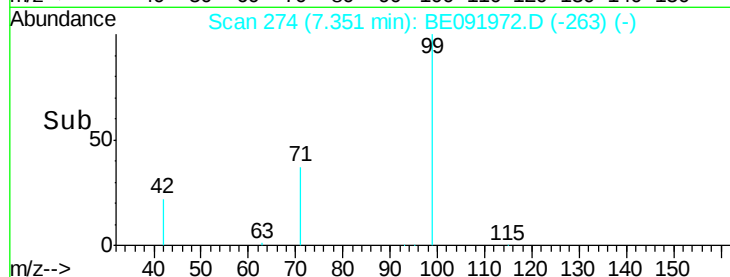
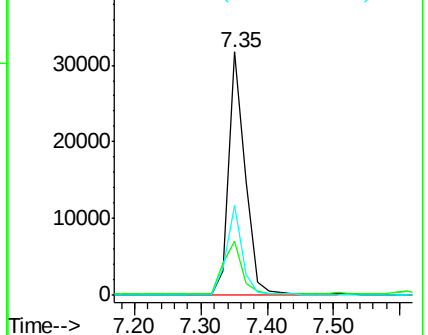
71 35.4 28.1 42.1



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: 3.54 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.02 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

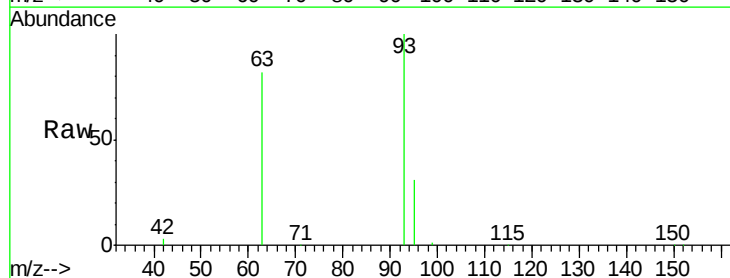
Tgt Ion: 93 Resp: 23901

Ion Ratio Lower Upper

93 100

63 86.0 66.2 99.4

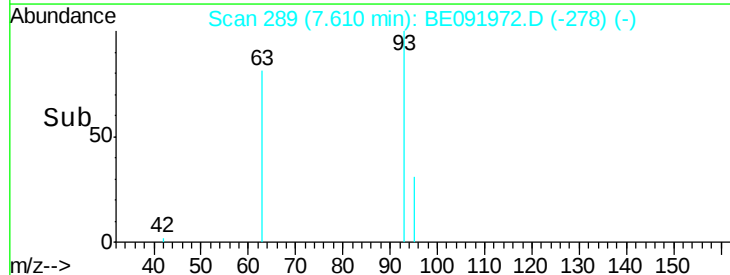
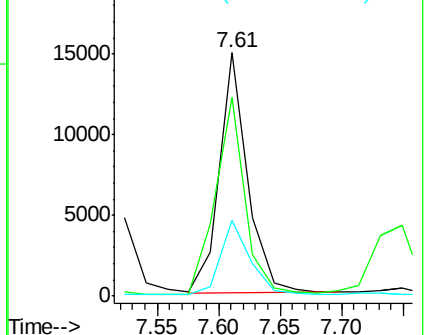
95 32.7 25.5 38.3

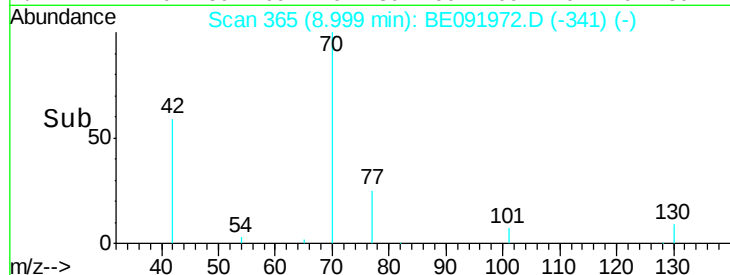
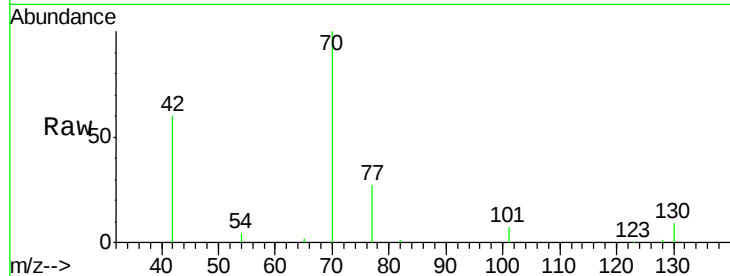
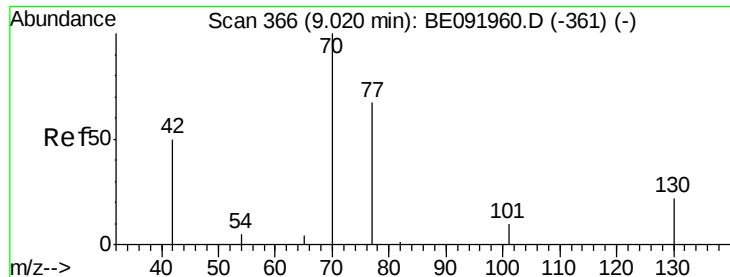


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 3.23 ng

RT: 9.00 min Scan# 365

Delta R.T. -0.02 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

Instrument :

BNA_E

ClientSampleId :

PB91781BSD

Tgt Ion: 70 Resp: 20939

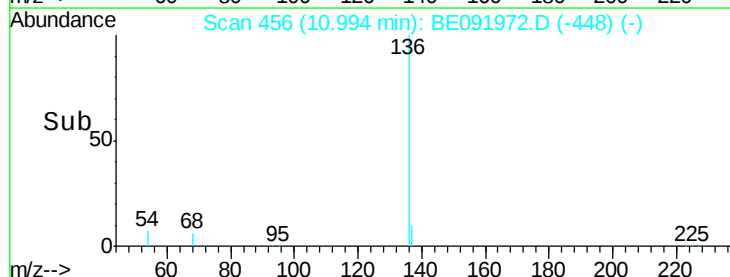
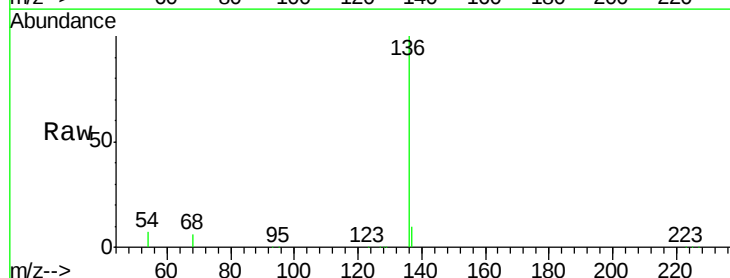
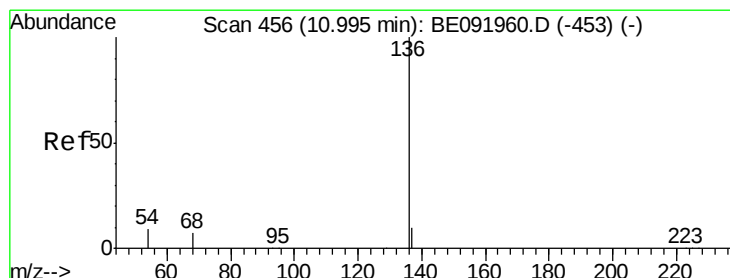
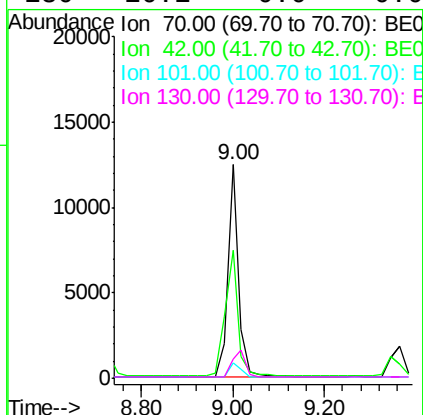
Ion Ratio Lower Upper

70 100

42 69.6 58.4 87.6

101 8.1 6.4 9.6

130 16.1 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. -0.00 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

Tgt Ion: 136 Resp: 105438

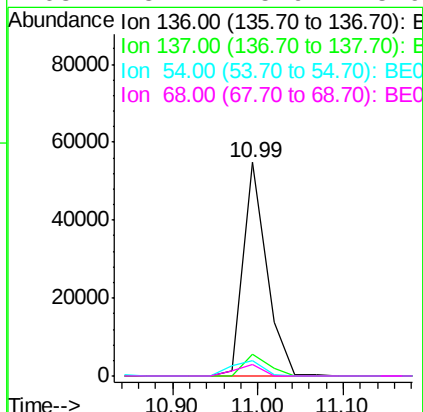
Ion Ratio Lower Upper

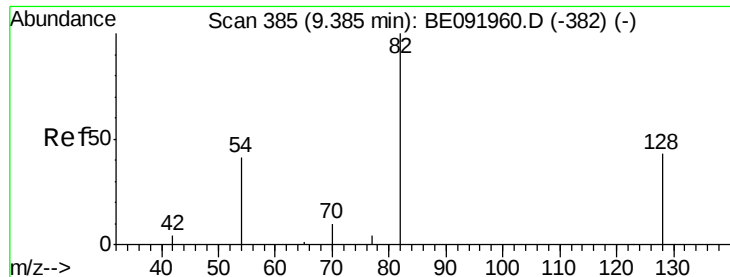
136 100

137 10.3 8.3 12.5

54 7.4 8.2 12.4#

68 5.7 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 4.02 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

Instrument :

BNA_E

ClientSampleId :

PB91781BSD

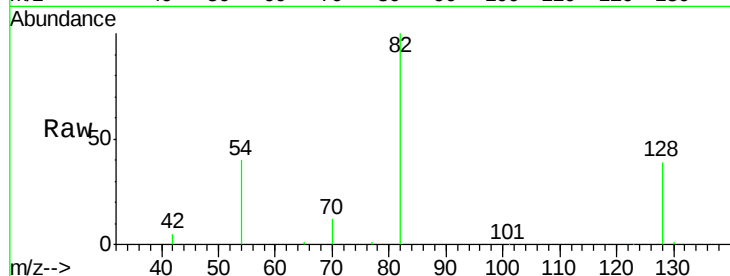
Tgt Ion: 82 Resp: 28888

Ion Ratio Lower Upper

82 100

128 38.8 39.5 59.3#

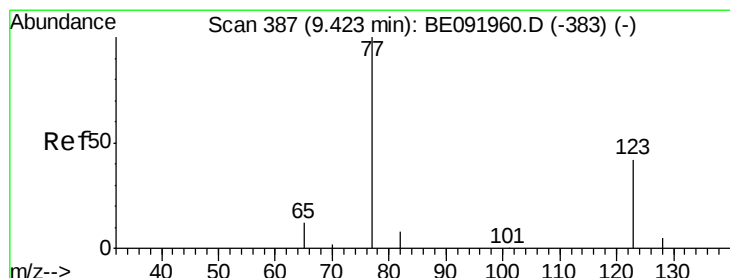
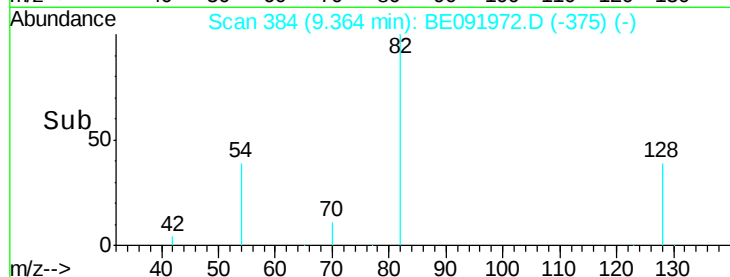
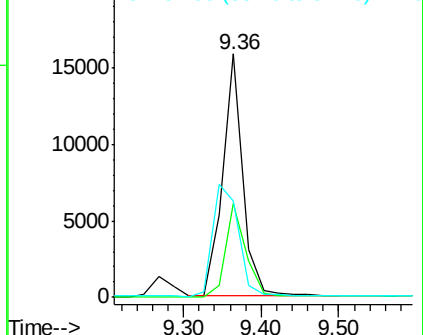
54 39.8 30.3 45.5



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 3.69 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.02 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

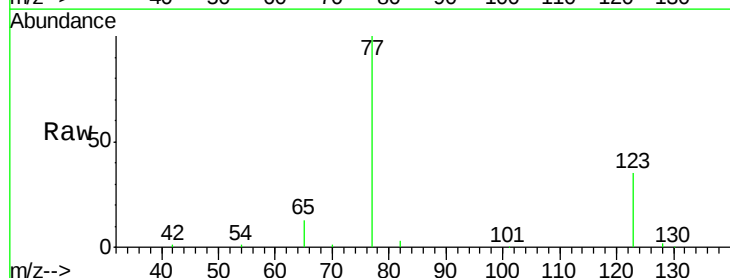
Tgt Ion: 77 Resp: 28767

Ion Ratio Lower Upper

77 100

123 39.3 0.0 0.0#

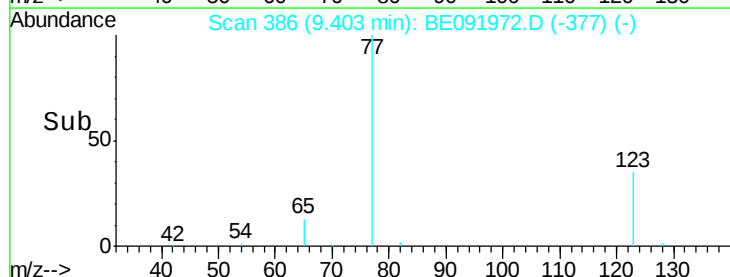
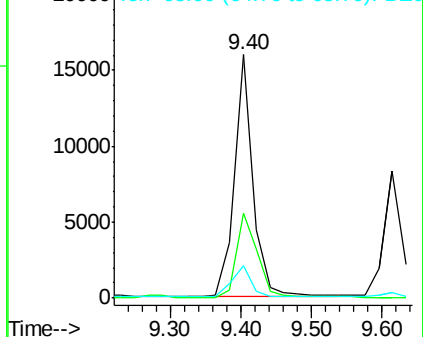
65 13.9 11.1 16.7

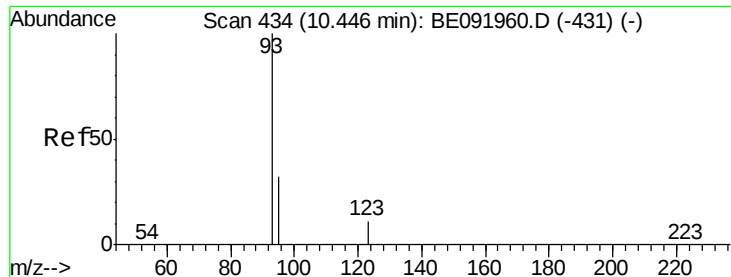


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

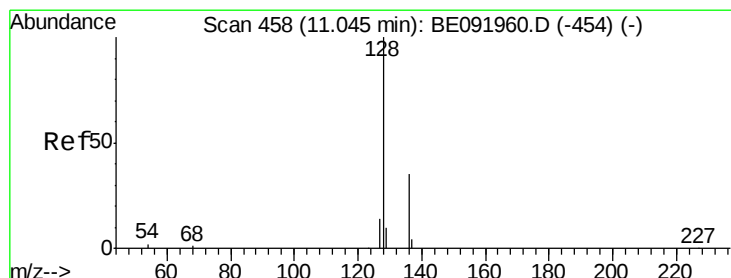
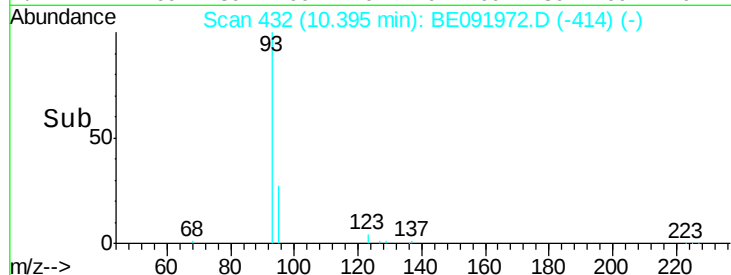
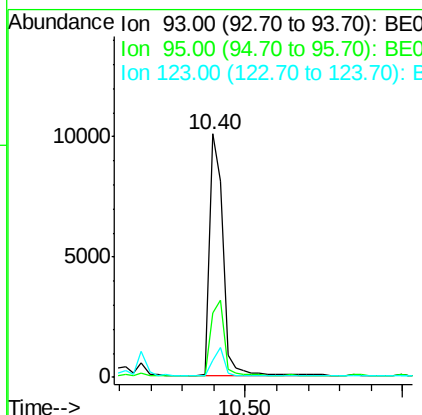
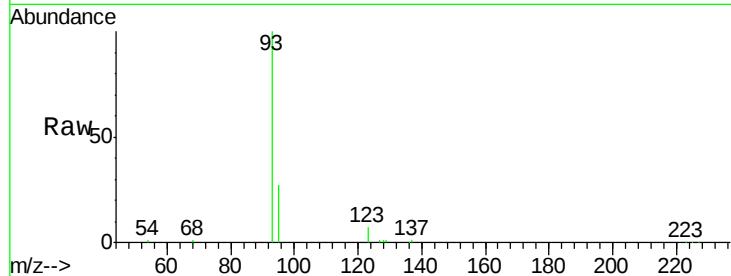




#11
bis(2-Chloroethoxy)methane
Concen: 3.40 ng
RT: 10.40 min Scan# 432
Delta R.T. -0.05 min
Lab File: BE091972.D
Acq: 5 Jul 2016 21:47

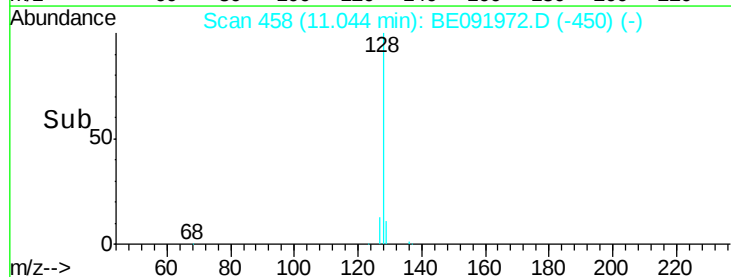
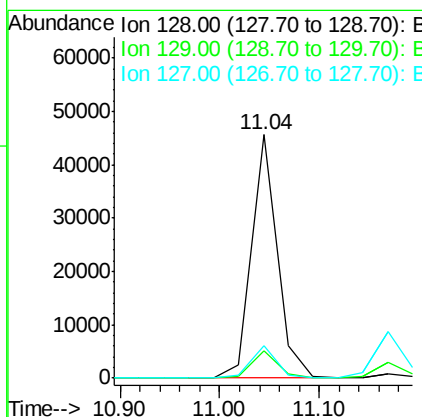
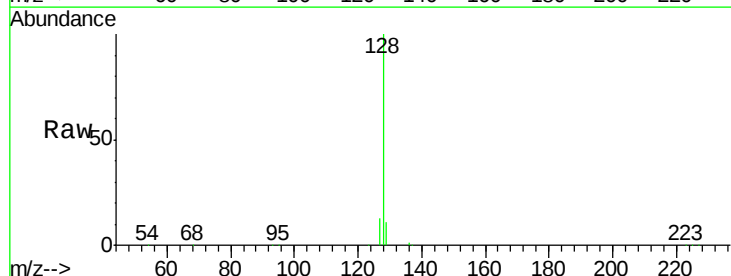
Instrument :
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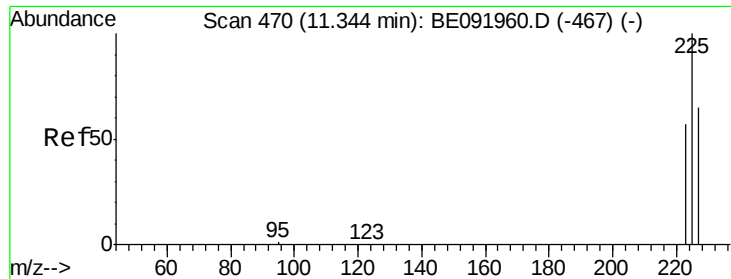
Tgt Ion: 93 Resp: 29928
Ion Ratio Lower Upper
93 100
95 0.0 57.6 86.4#
123 0.0 100.2 150.4#



#12
Naphthalene
Concen: 3.32 ng
RT: 11.04 min Scan# 458
Delta R.T. -0.00 min
Lab File: BE091972.D
Acq: 5 Jul 2016 21:47

Tgt Ion: 128 Resp: 81491
Ion Ratio Lower Upper
128 100
129 11.0 10.4 15.6
127 13.2 10.2 15.2

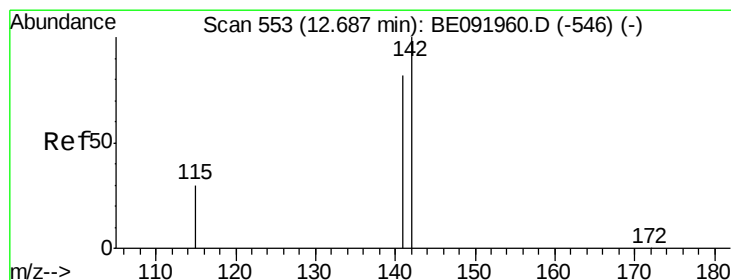
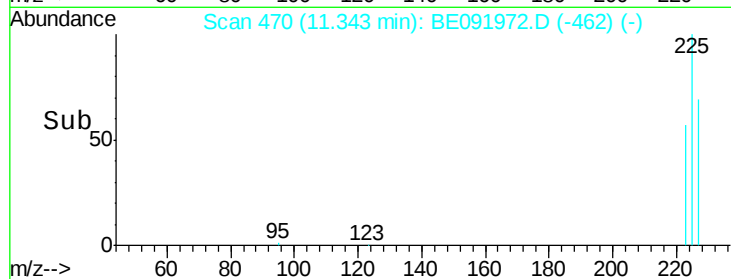
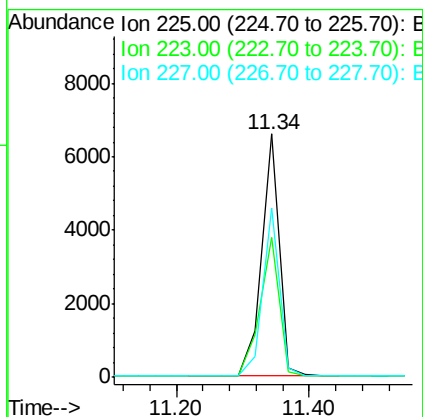
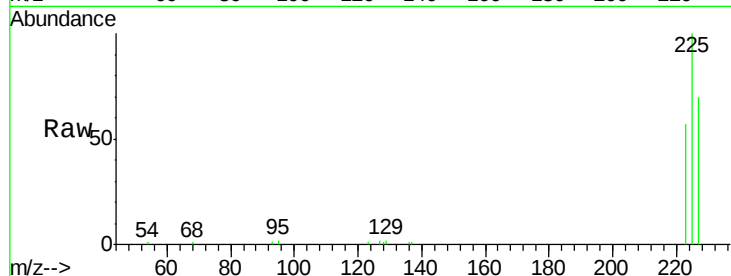




#13
Hexachlorobutadiene
Concen: 3.23 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091972.D
Acq: 5 Jul 2016 21:47

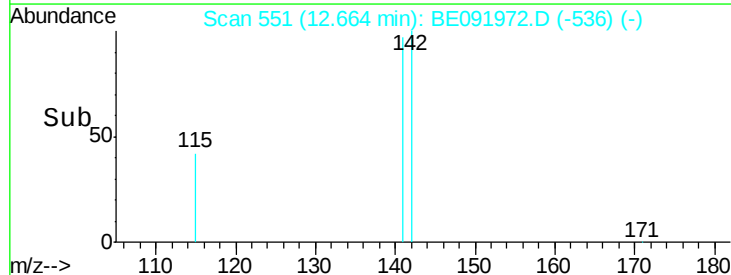
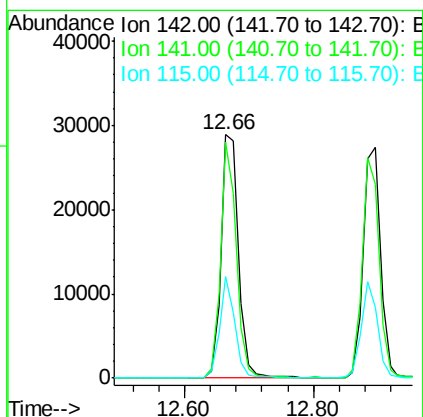
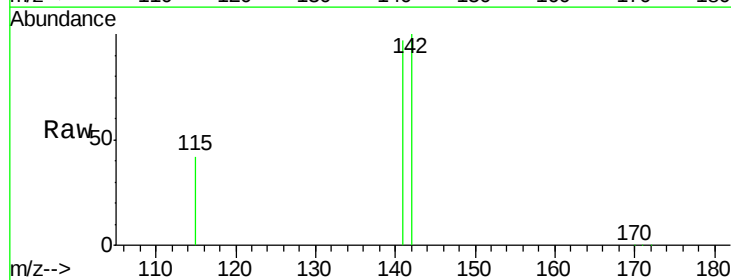
Instrument :
BNA_E
ClientSampleId :
PB91781BSD

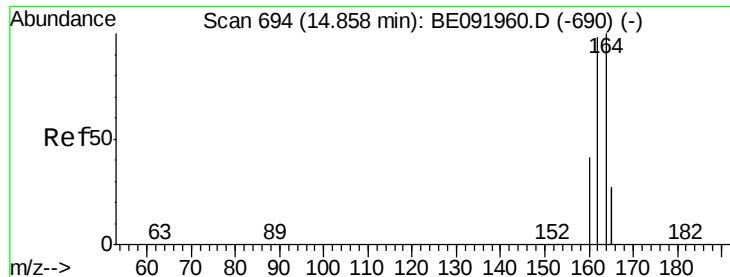
Tgt Ion: 225 Resp: 12061
Ion Ratio Lower Upper
225 100
223 61.6 49.8 74.8
227 65.9 50.6 75.8



#14
2-Methylnaphthalene
Concen: 3.43 ng
RT: 12.66 min Scan# 551
Delta R.T. -0.02 min
Lab File: BE091972.D
Acq: 5 Jul 2016 21:47

Tgt Ion: 142 Resp: 54123
Ion Ratio Lower Upper
142 100
141 96.7 71.9 107.9
115 41.7 29.9 44.9





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. 0.00 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

Instrument :

BNA_E

ClientSampleId :

PB91781BSD

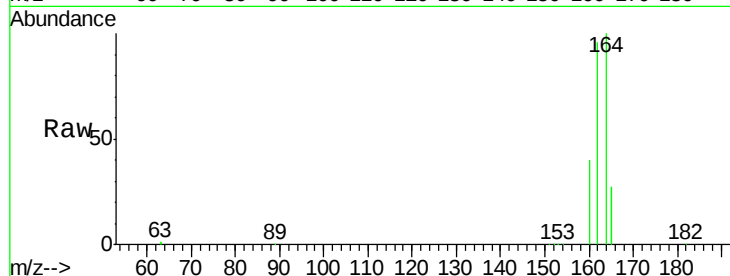
Tgt Ion:164 Resp: 70128

Ion Ratio Lower Upper

164 100

162 96.0 71.8 107.8

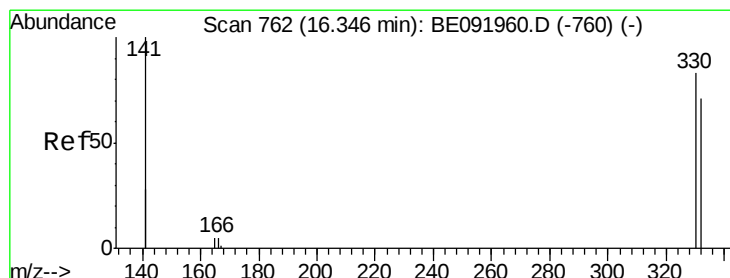
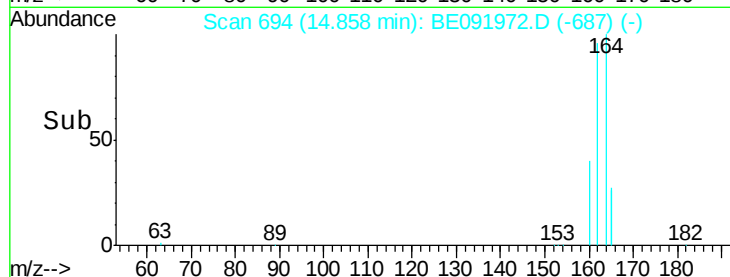
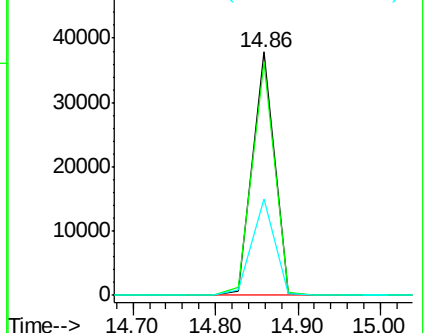
160 39.8 28.0 42.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#16

2,4,6-Tribromophenol

Concen: 6.05 ng

RT: 16.35 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

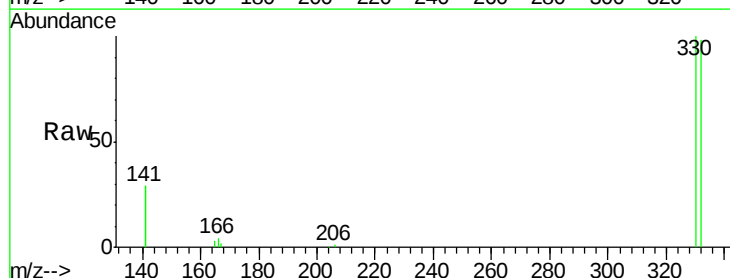
Tgt Ion:330 Resp: 15105

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

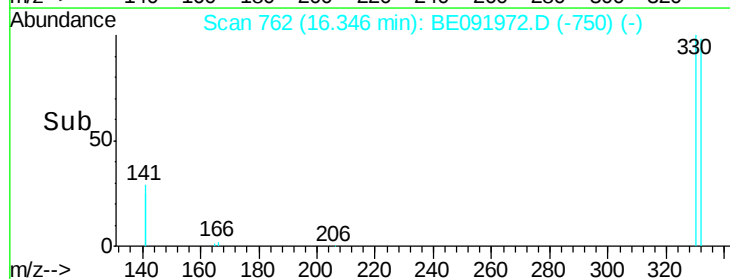
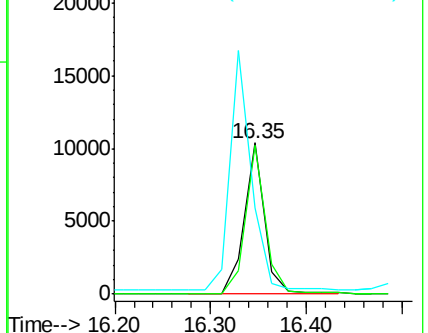
141 168.2 138.4 207.6

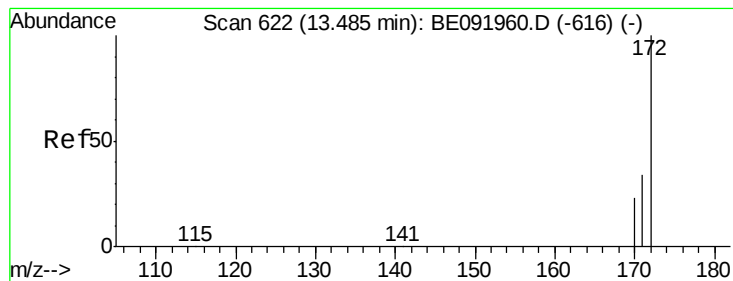


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

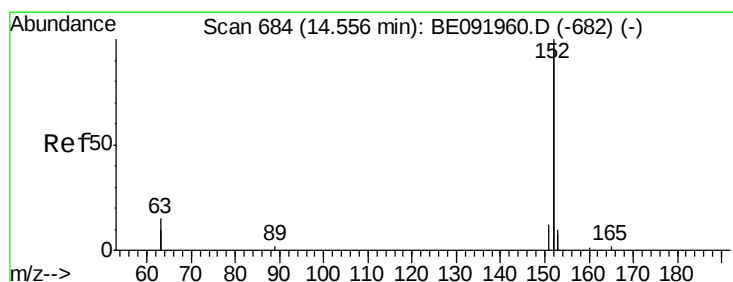
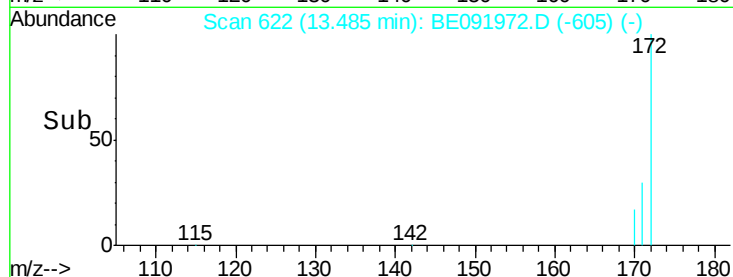
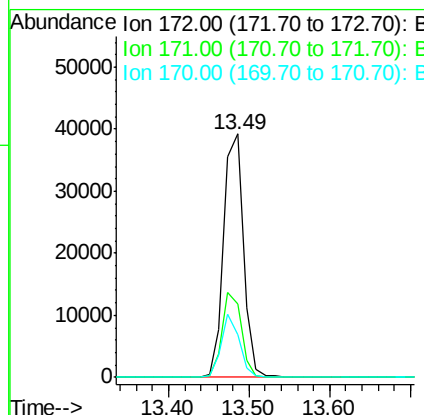
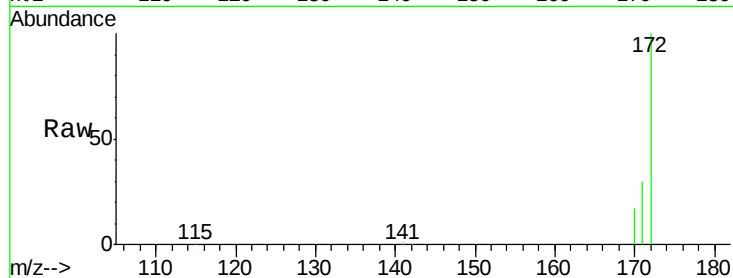




#17
2-Fluorobiphenyl
Concen: 3.89 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091972.D
Acq: 5 Jul 2016 21:47

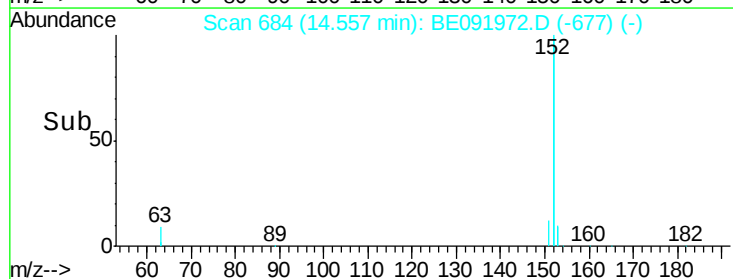
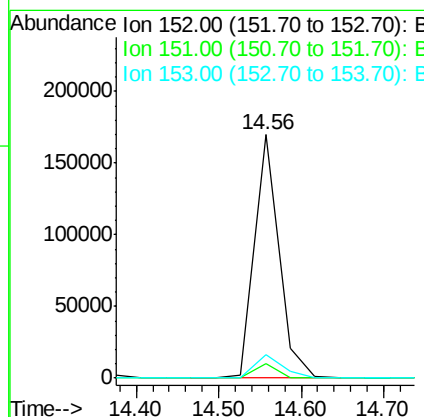
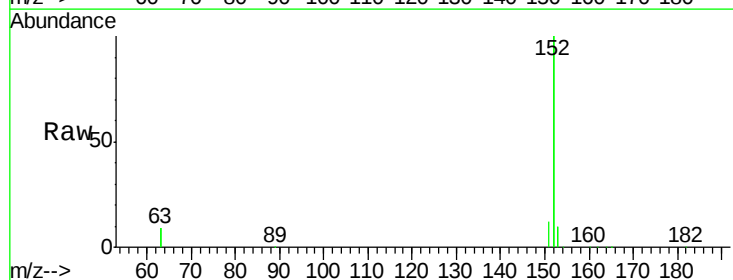
Instrument :
BNA_E
ClientSampleId :
PB91781BSD

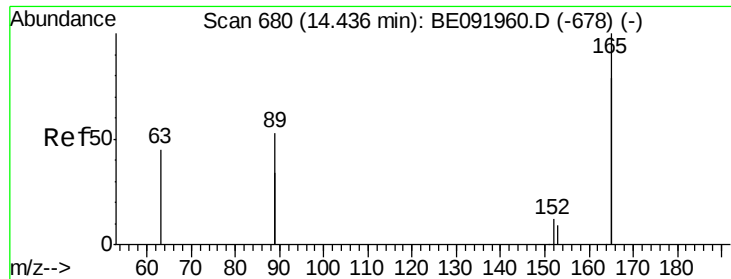
Tgt Ion:172 Resp: 66610
Ion Ratio Lower Upper
172 100
171 30.0 24.3 36.5
170 17.5 14.9 22.3



#18
Acenaphthylene
Concen: 3.95 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE091972.D
Acq: 5 Jul 2016 21:47

Tgt Ion:152 Resp: 347654
Ion Ratio Lower Upper
152 100
151 5.5 19.4 29.2#
153 11.0 14.4 21.6#

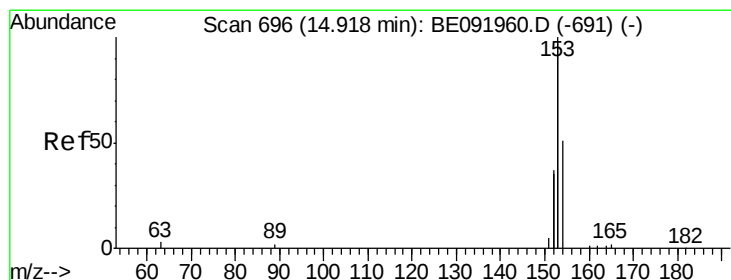
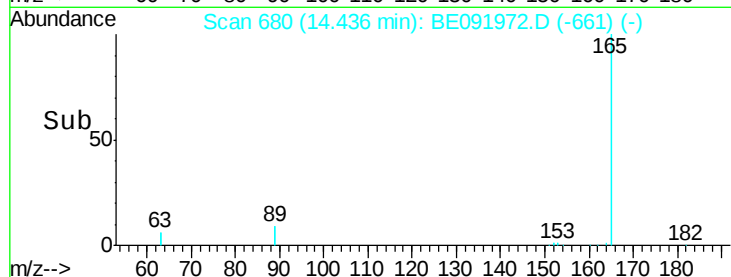
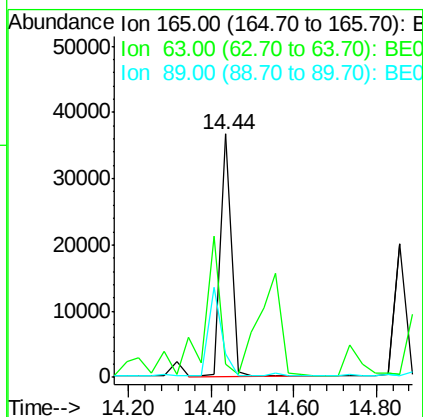
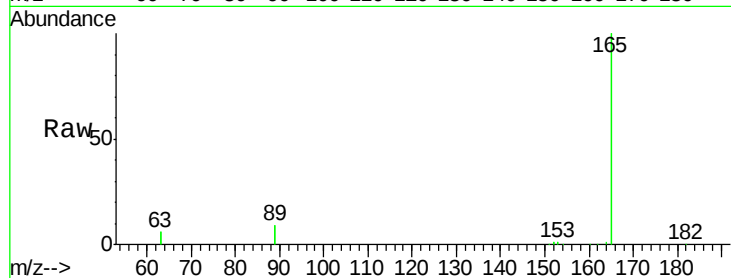




#19
2,6-Dinitrotoluene
Concen: 3.45 ng
RT: 14.44 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE091972.D
Acq: 5 Jul 2016 21:47

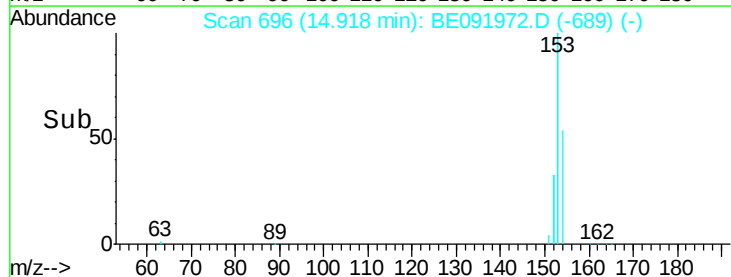
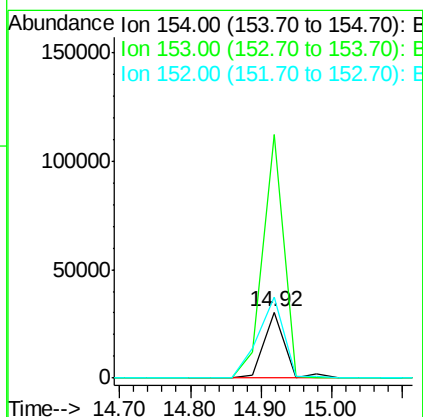
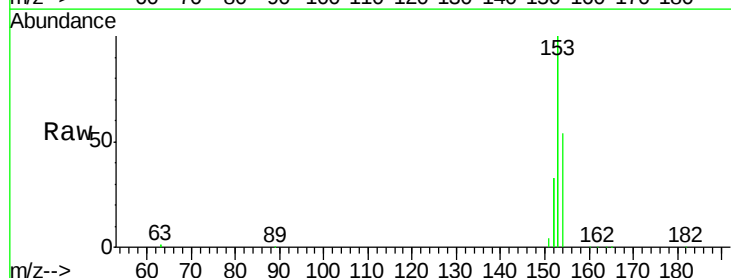
Instrument :
BNA_E
ClientSampleId :
PB91781BSD

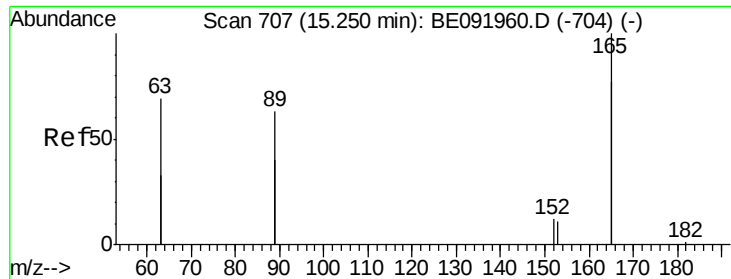
Tgt Ion:165 Resp: 69255
Ion Ratio Lower Upper
165 100
63 0.0 65.9 98.9#
89 0.0 59.1 88.7#



#20
Acenaphthene
Concen: 3.22 ng
RT: 14.92 min Scan# 696
Delta R.T. 0.00 min
Lab File: BE091972.D
Acq: 5 Jul 2016 21:47

Tgt Ion:154 Resp: 61648
Ion Ratio Lower Upper
154 100
153 365.2 88.1 132.1#
152 149.9 44.2 66.2#

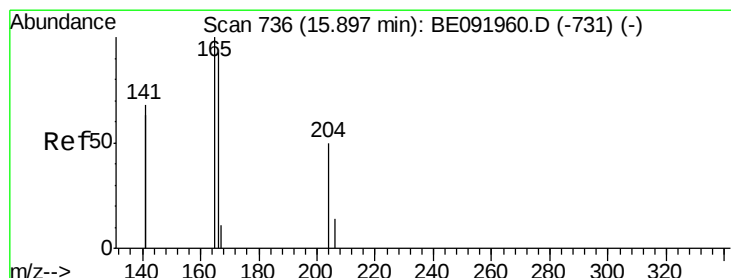
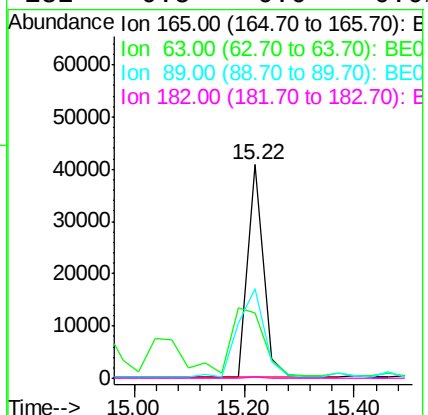
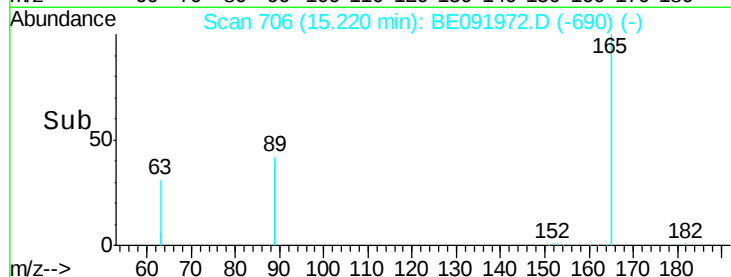
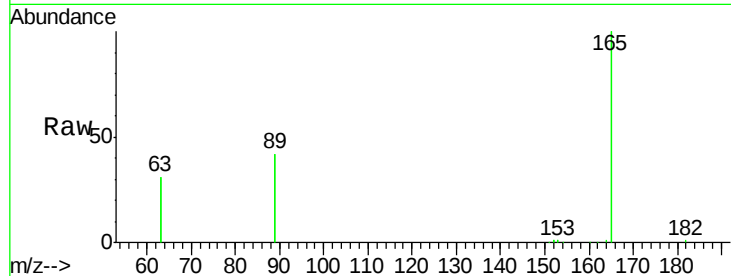




#21
2,4-Dinitrotoluene
Concen: 3.62 ng
RT: 15.22 min Scan# 706
Delta R.T. -0.03 min
Lab File: BE091972.D
Acq: 5 Jul 2016 21:47

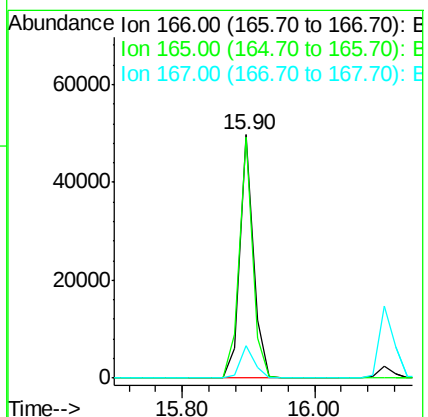
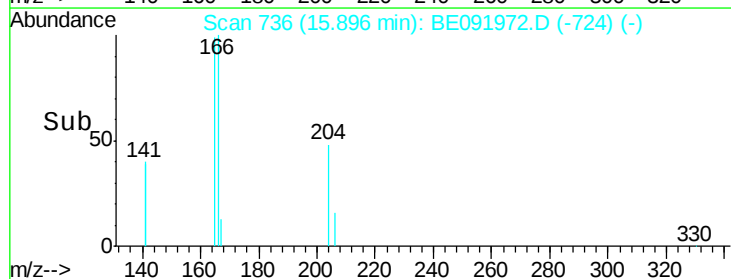
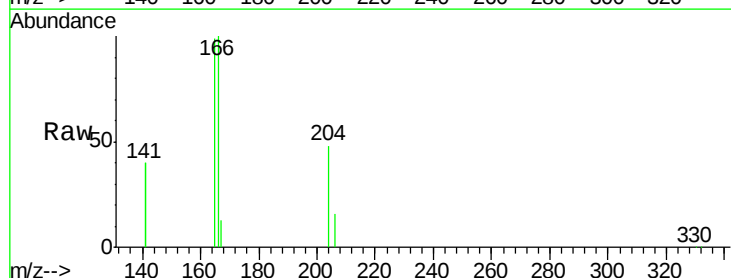
Instrument :
BNA_E
ClientSampleId :
PB91781BSD

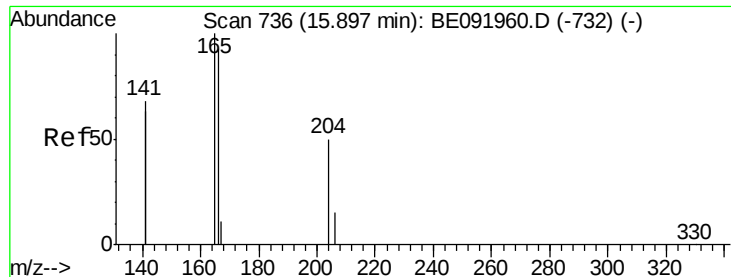
Tgt Ion:165 Resp: 80697
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 72.8 99.8 149.8#
182 0.5 0.0 0.0#



#22
Fluorene
Concen: 3.50 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE091972.D
Acq: 5 Jul 2016 21:47

Tgt Ion:166 Resp: 70877
Ion Ratio Lower Upper
166 100
165 98.4 78.6 117.8
167 13.7 10.8 16.2

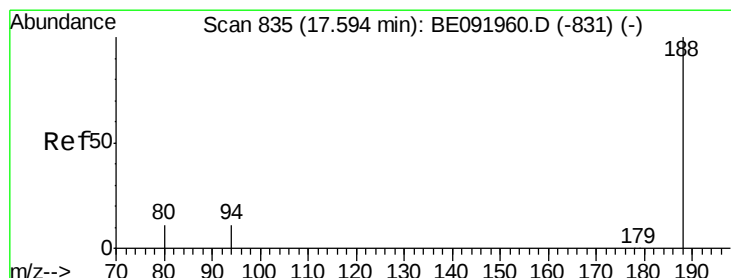
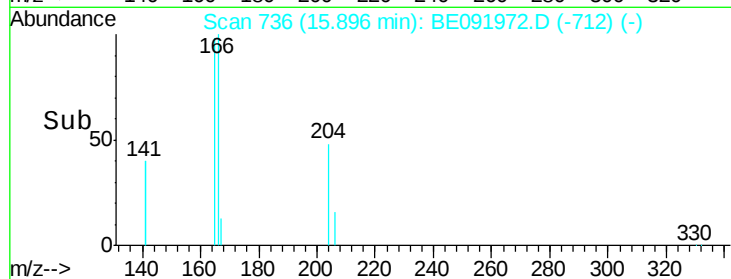
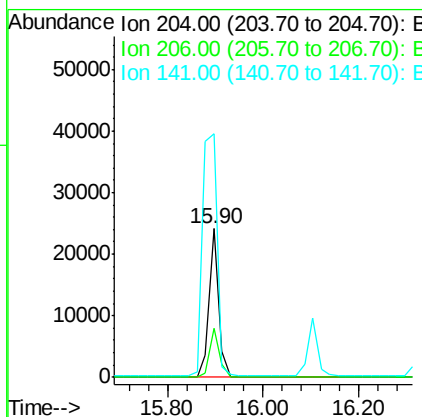
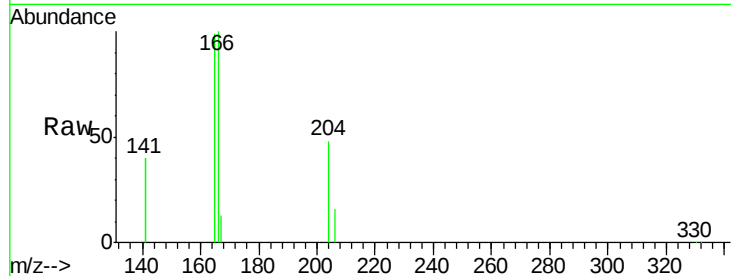




#23
 4-Chlorophenyl-phenylether
 Concen: 3.29 ng
 RT: 15.90 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: BE091972.D
 Acq: 5 Jul 2016 21:47

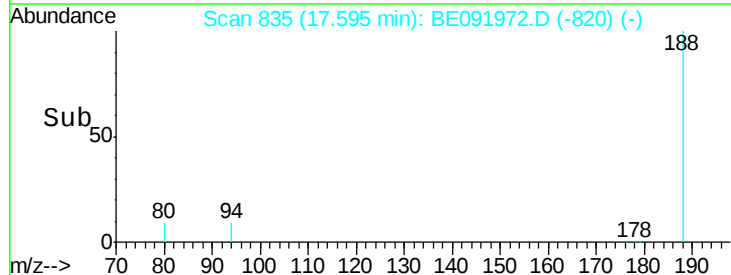
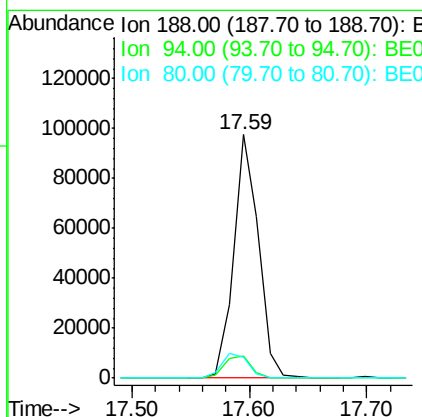
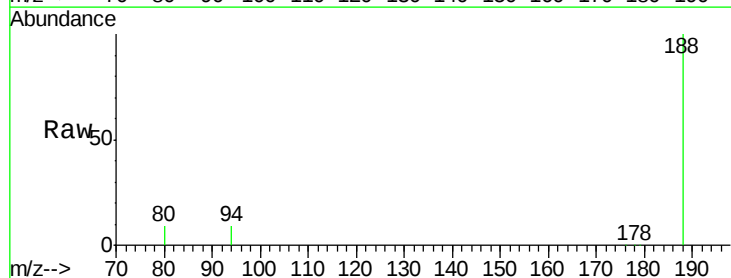
Instrument :
 BNA_E
 ClientSampleId :
 PB91781BSD

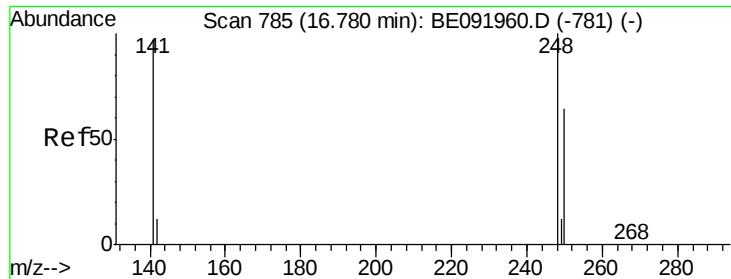
Tgt Ion:204 Resp: 33202
 Ion Ratio Lower Upper
 204 100
 206 33.8 27.8 41.6
 141 250.5 197.6 296.4



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.59 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: BE091972.D
 Acq: 5 Jul 2016 21:47

Tgt Ion:188 Resp: 142421
 Ion Ratio Lower Upper
 188 100
 94 9.0 4.1 6.1#
 80 8.8 3.4 5.2#





#25

4-Bromophenyl-phenylether

Concen: 3.33 ng

RT: 16.78 min Scan# 785

Delta R.T. 0.00 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

Instrument :

BNA_E

ClientSampleId :

PB91781BSD

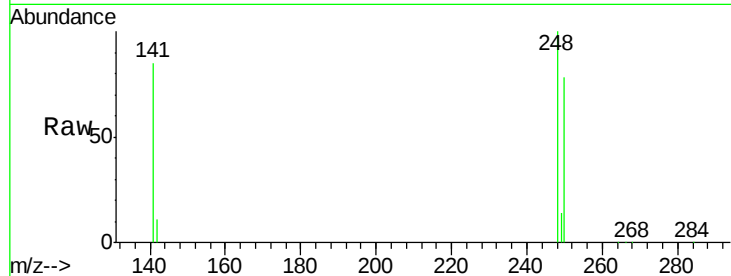
Tgt Ion:248 Resp: 20627

Ion Ratio Lower Upper

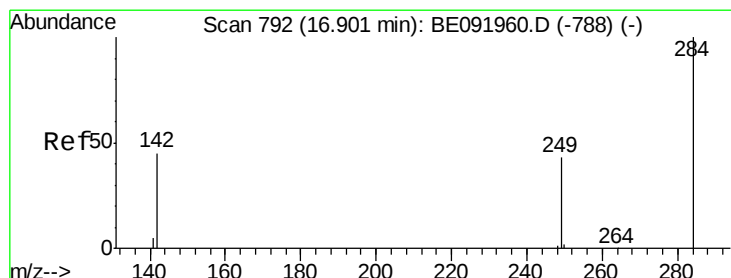
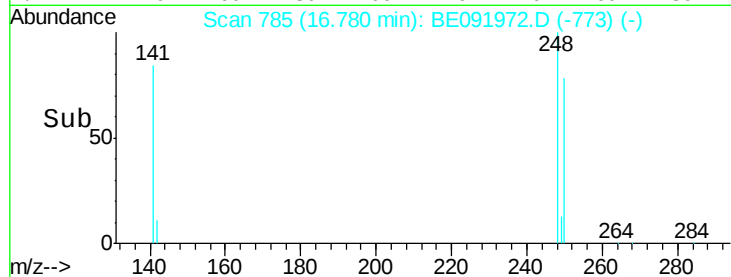
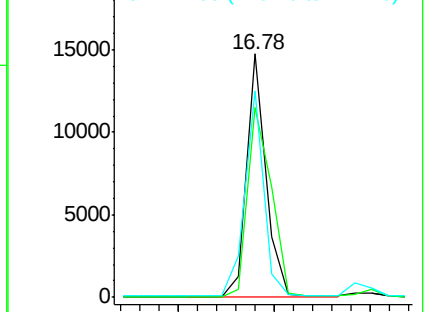
248 100

250 94.9 75.7 113.5

141 82.5 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: 3.37 ng

RT: 16.90 min Scan# 792

Delta R.T. 0.00 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

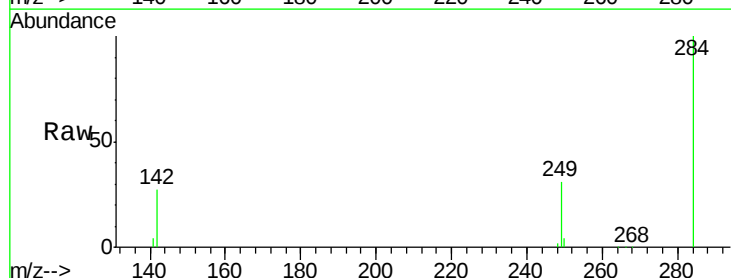
Tgt Ion:284 Resp: 20681

Ion Ratio Lower Upper

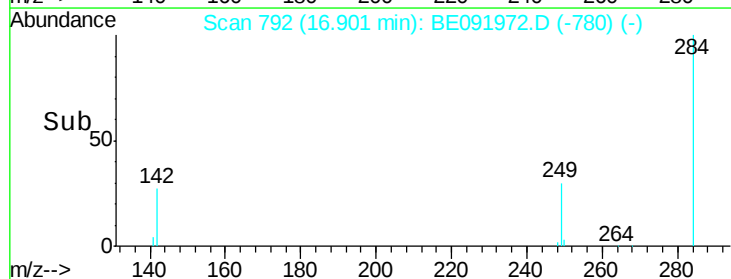
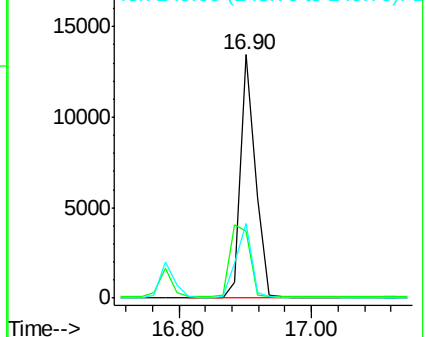
284 100

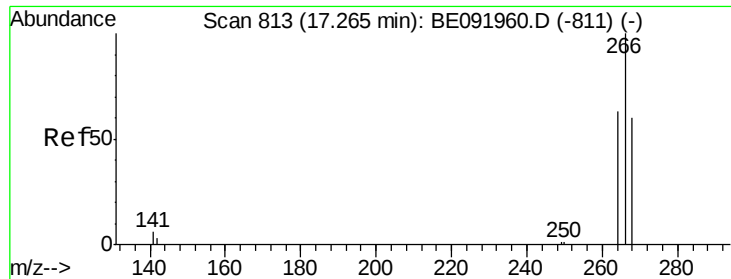
142 39.6 31.4 47.2

249 31.5 25.3 37.9



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





#27

Pentachlorophenol

Concen: 5.98 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.02 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

Instrument :

BNA_E

ClientSampleId :

PB91781BSD

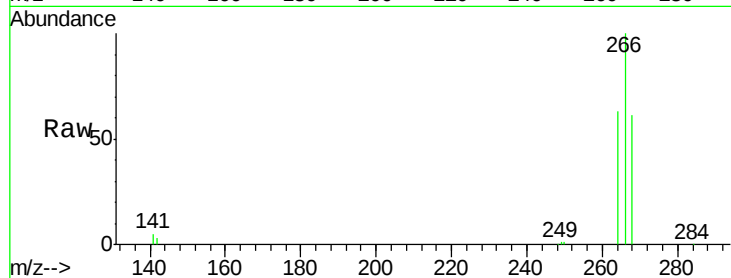
Tgt Ion:266 Resp: 18774

Ion Ratio Lower Upper

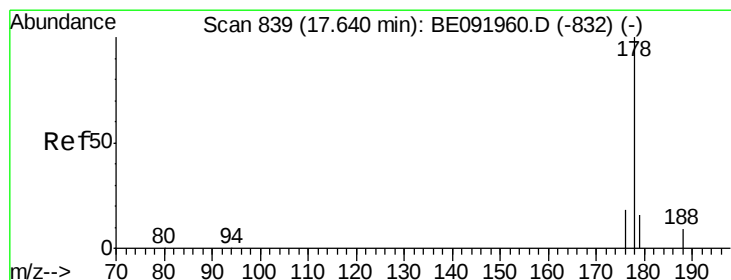
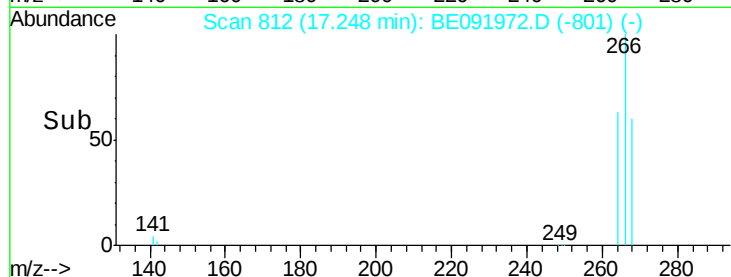
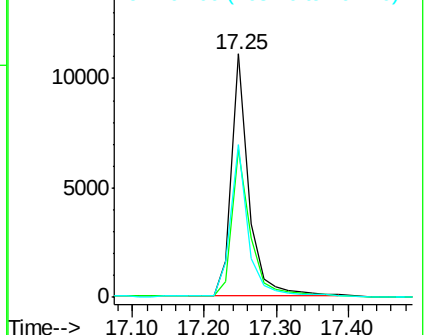
266 100

268 60.6 60.5 90.7

264 62.7 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: 3.43 ng

RT: 17.64 min Scan# 839

Delta R.T. 0.00 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

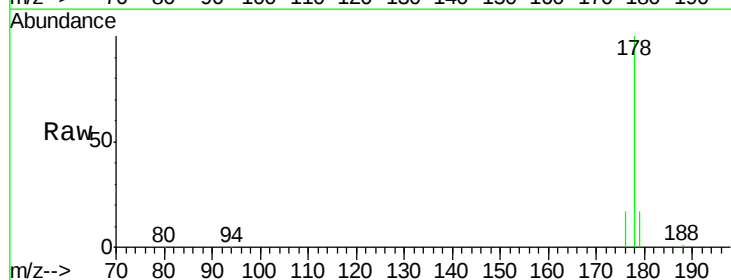
Tgt Ion:178 Resp: 127222

Ion Ratio Lower Upper

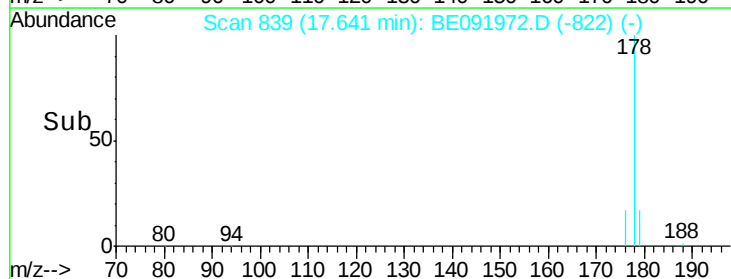
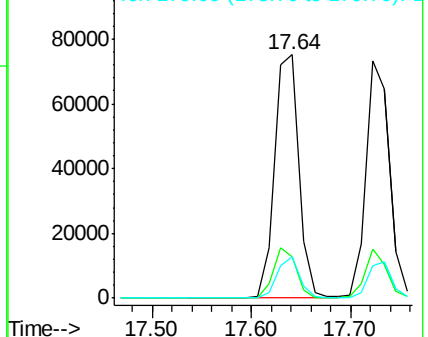
178 100

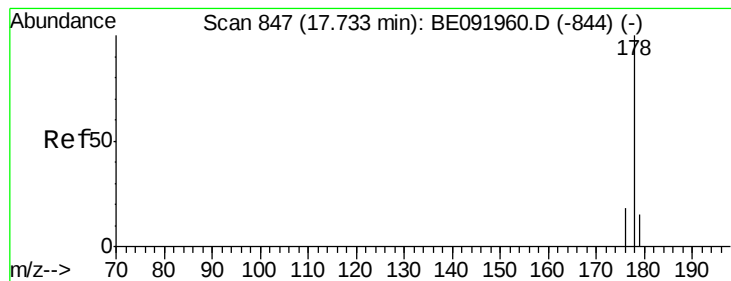
176 19.5 15.4 23.2

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: 3.49 ng

RT: 17.72 min Scan# 846

Delta R.T. -0.01 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

Instrument :

BNA_E

ClientSampleId :

PB91781BSD

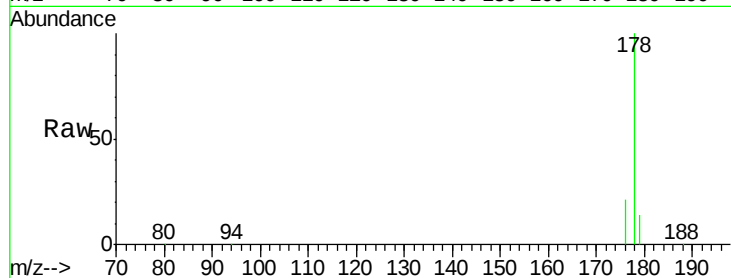
Tgt Ion:178 Resp: 120887

Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

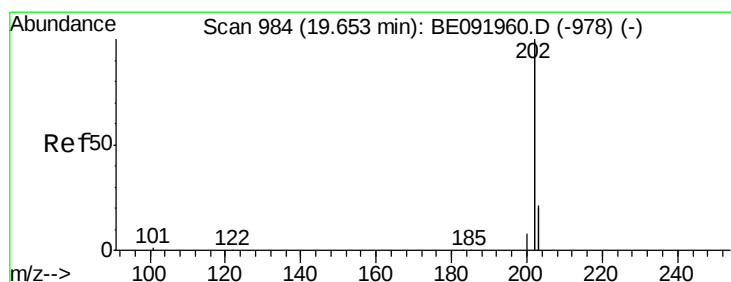
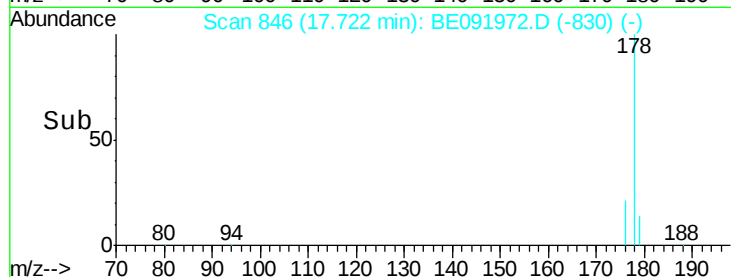
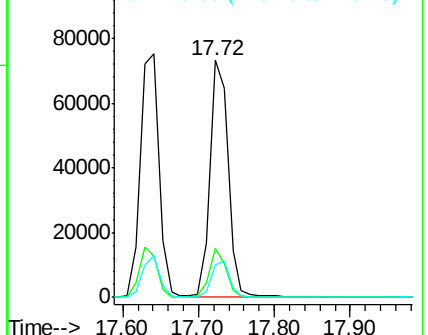
179 15.2 12.1 18.1



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: 3.54 ng

RT: 19.65 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

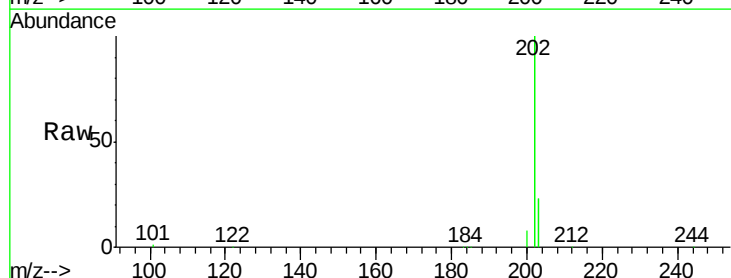
Tgt Ion:202 Resp: 563943

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

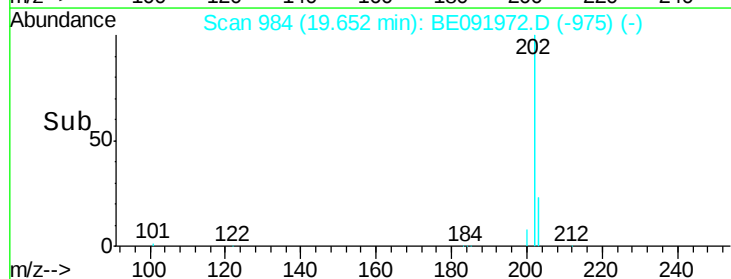
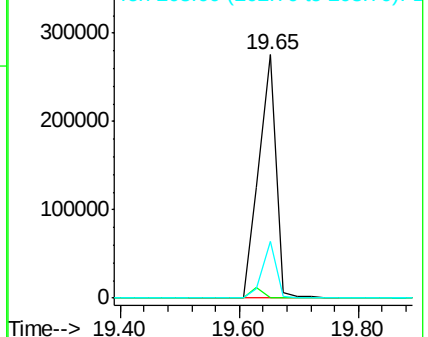
203 18.9 14.3 21.5

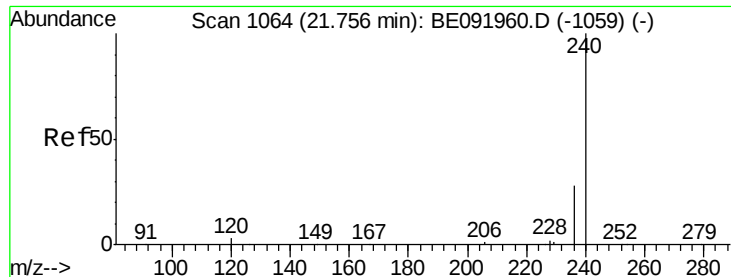


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

Instrument :

BNA_E

ClientSampleId :

PB91781BSD

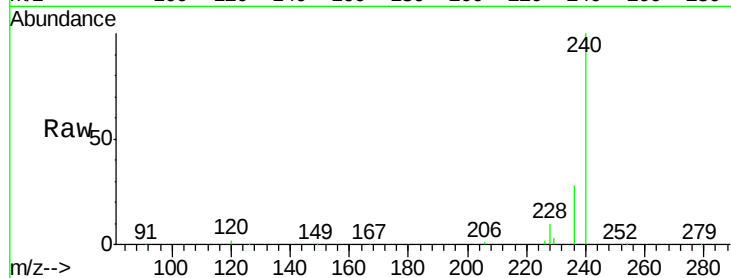
Tgt Ion:240 Resp: 260640

Ion Ratio Lower Upper

240 100

120 2.0 1.2 1.8#

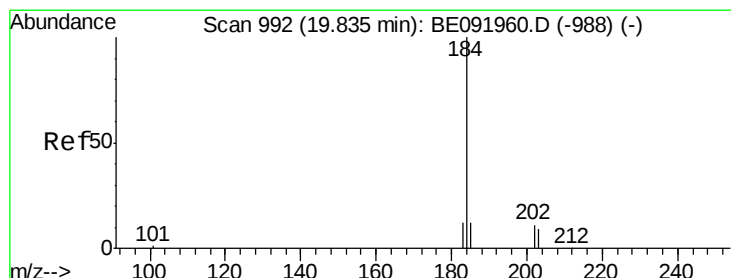
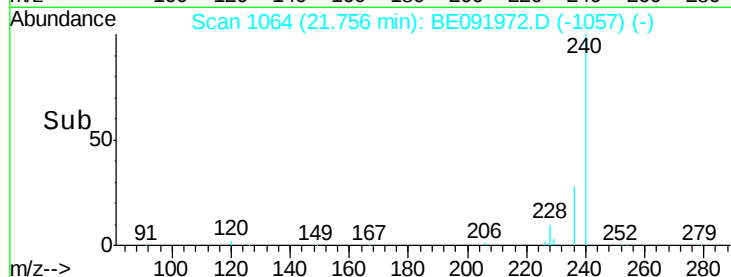
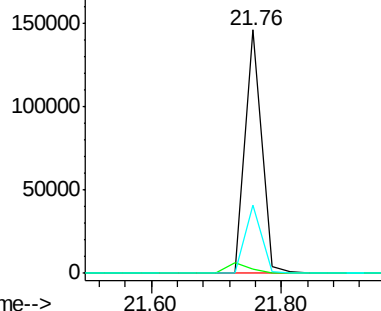
236 28.2 19.8 29.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#32

Benzidine

Concen: 0.71 ng

RT: 19.83 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

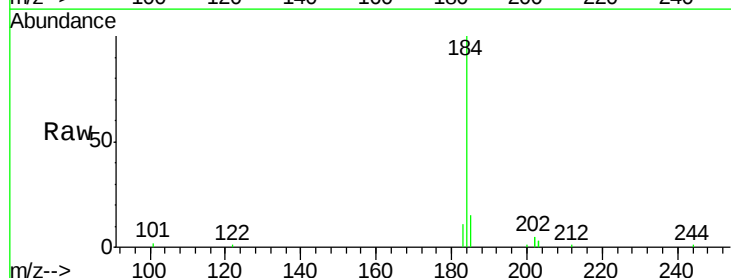
Tgt Ion:184 Resp: 10456

Ion Ratio Lower Upper

184 100

185 15.3 11.4 17.2

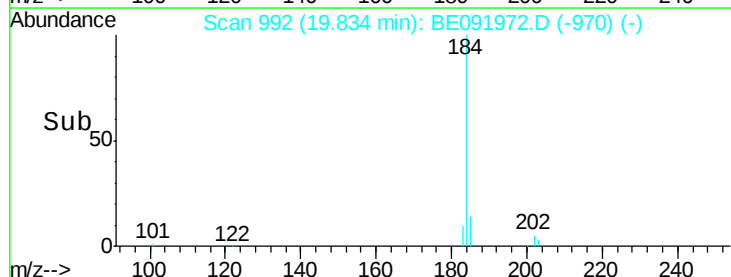
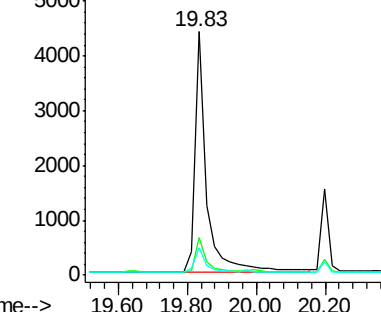
183 11.0 11.8 17.6#

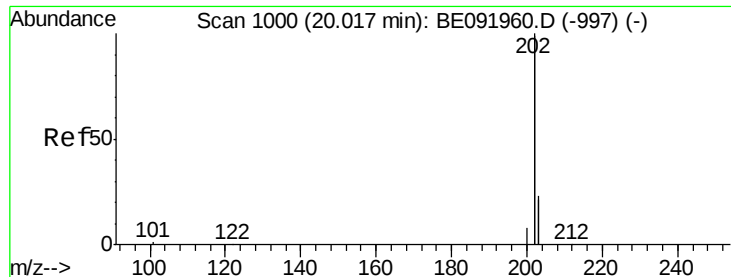


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

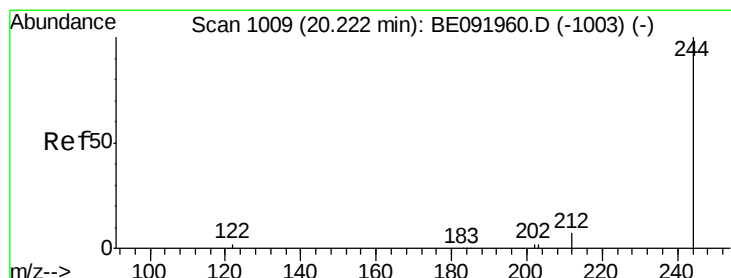
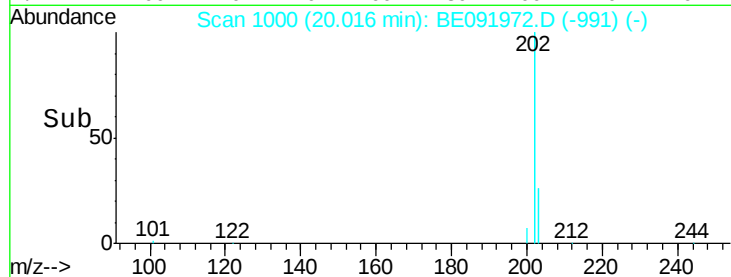
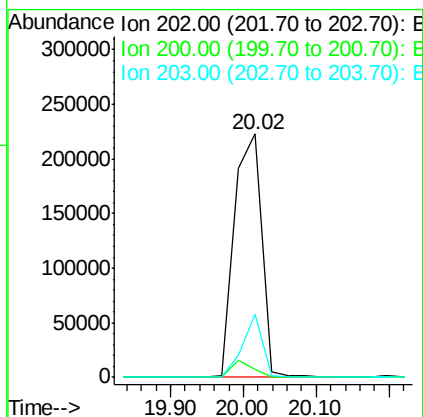
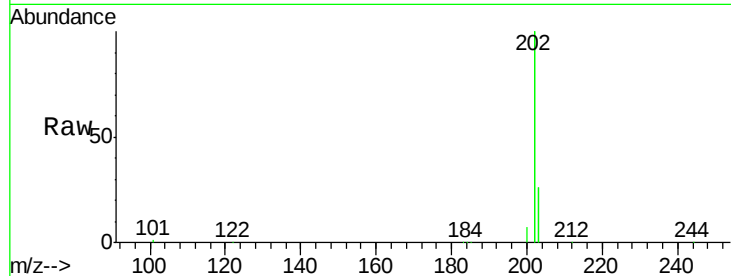




#33
 Pyrene
 Concen: 3.05 ng
 RT: 20.02 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: BE091972.D
 Acq: 5 Jul 2016 21:47

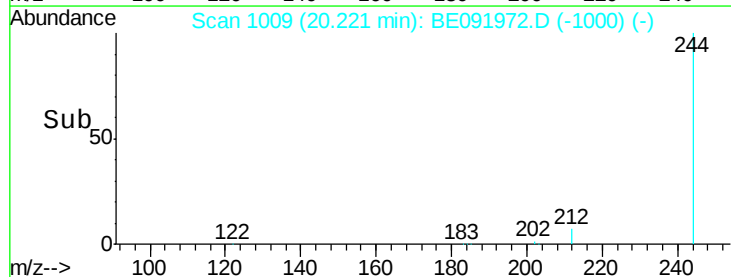
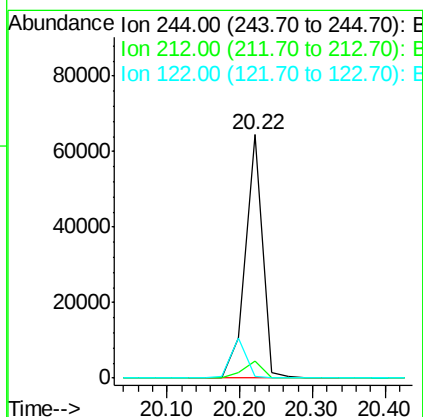
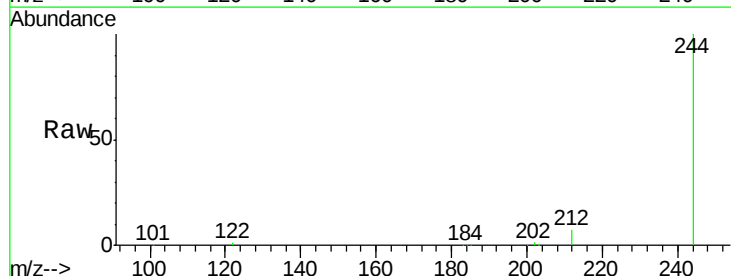
Instrument :
 BNA_E
 ClientSampleId :
 PB91781BSD

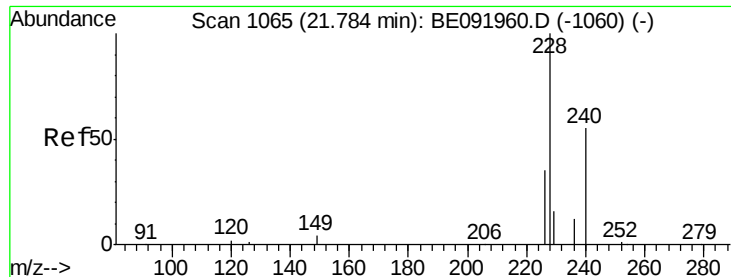
Tgt Ion: 202 Resp: 578043
 Ion Ratio Lower Upper
 202 100
 200 0.0 16.9 25.3#
 203 19.0 14.1 21.1



#34
 Terphenyl-d14
 Concen: 3.42 ng
 RT: 20.22 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: BE091972.D
 Acq: 5 Jul 2016 21:47

Tgt Ion: 244 Resp: 105233
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.5 9.7
 122 0.5 2.9 4.3#





#35

Benzo(a)anthracene

Concen: 8.45 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

Instrument :

BNA_E

ClientSampleId :

PB91781BSD

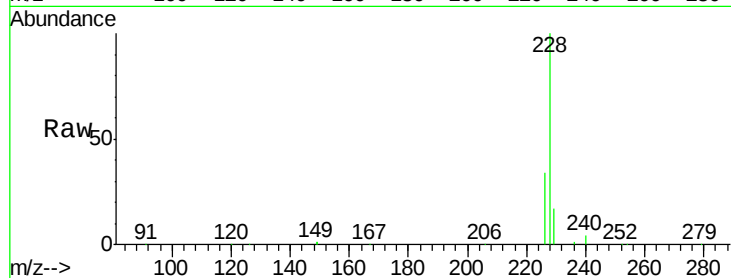
Tgt Ion:228 Resp: 368708

Ion Ratio Lower Upper

228 100

226 34.2 21.0 31.4#

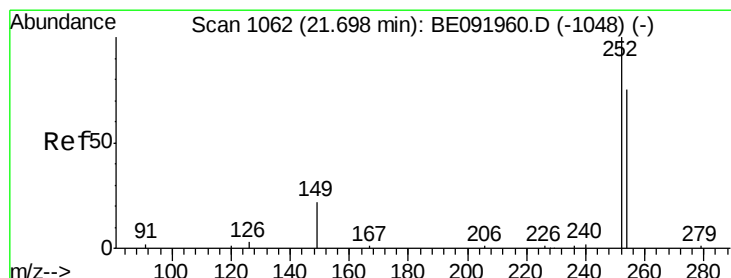
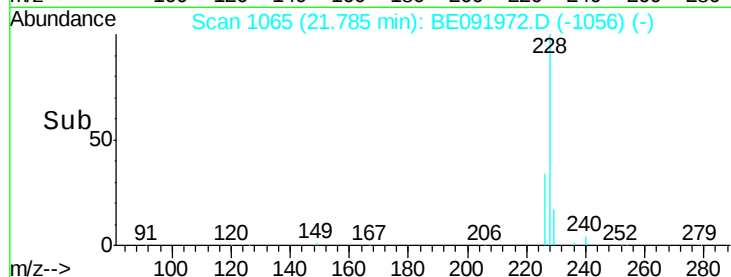
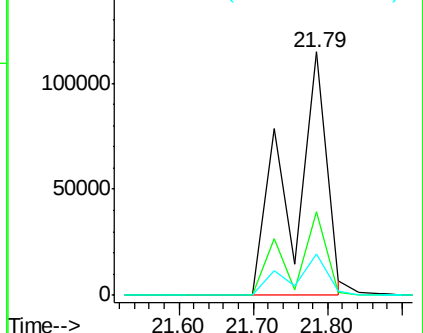
229 17.0 15.8 23.8



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: 1.68 ng

RT: 21.67 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

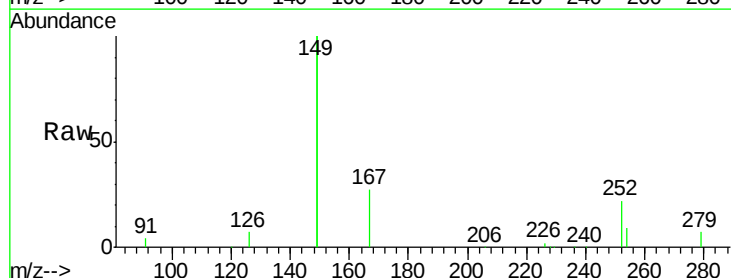
Tgt Ion:252 Resp: 19403

Ion Ratio Lower Upper

252 100

254 42.2 61.5 92.3#

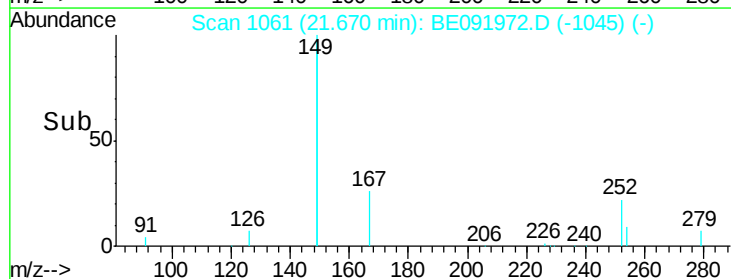
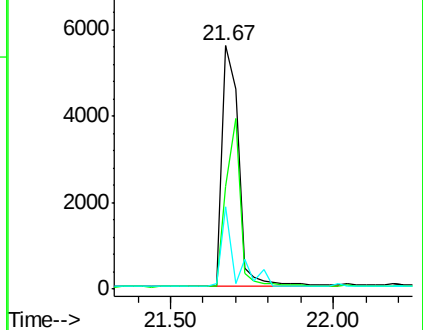
126 33.6 2.5 3.7#

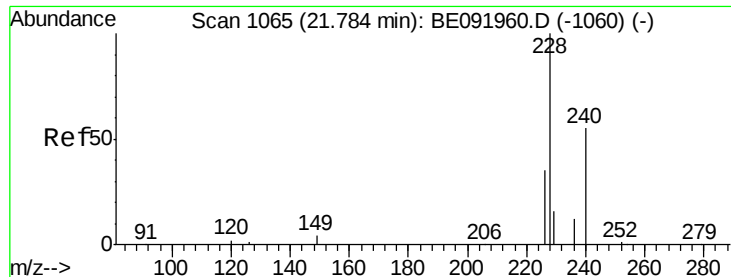


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 6.01 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

Instrument :

BNA_E

ClientSampleId :

PB91781BSD

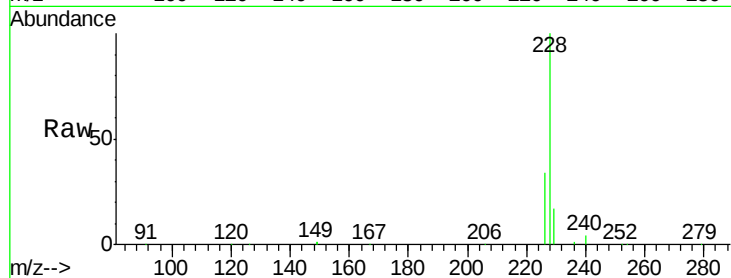
Tgt Ion:228 Resp: 371772

Ion Ratio Lower Upper

228 100

226 34.2 27.0 40.6

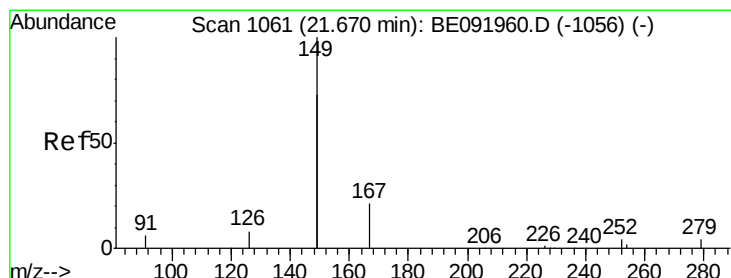
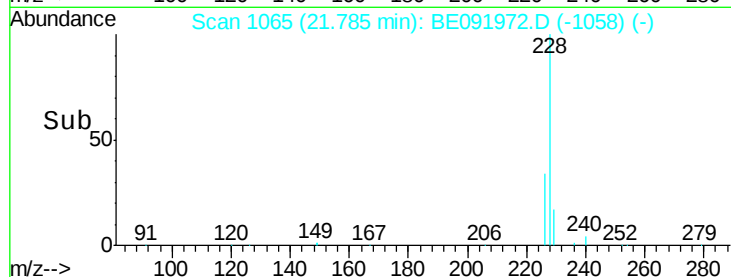
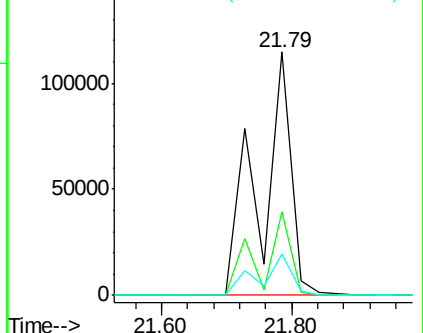
229 17.0 13.8 20.8



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: 2.96 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

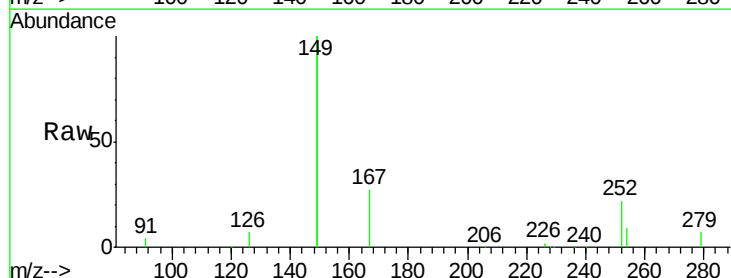
Tgt Ion:149 Resp: 149883

Ion Ratio Lower Upper

149 100

167 8.8 0.0 0.0#

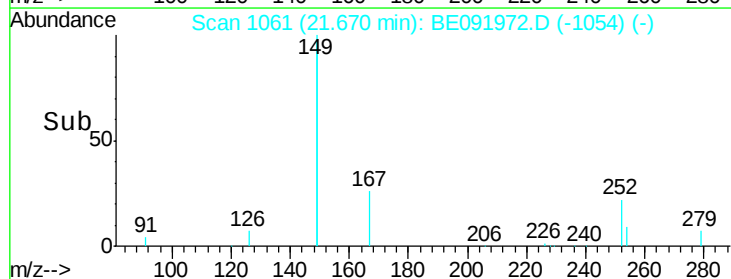
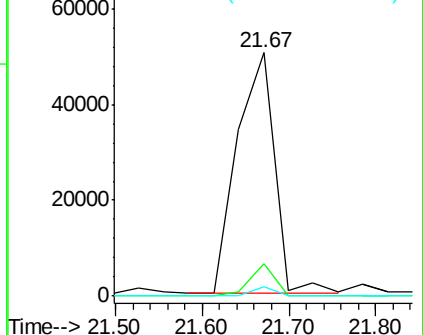
279 2.2 0.0 0.0#

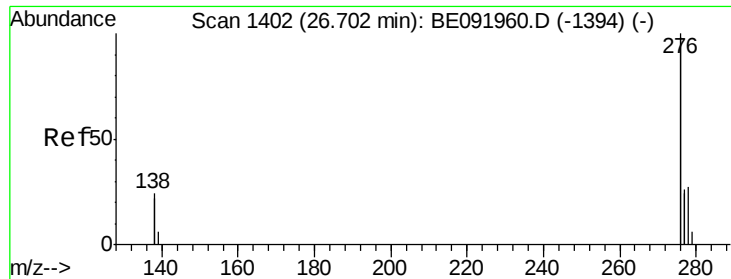


Abundance Ion 149.00 (148.70 to 149.70): E

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: 3.44 ng

RT: 26.68 min Scan# 1401

Delta R.T. -0.02 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

Instrument :

BNA_E

ClientSampleId :

PB91781BSD

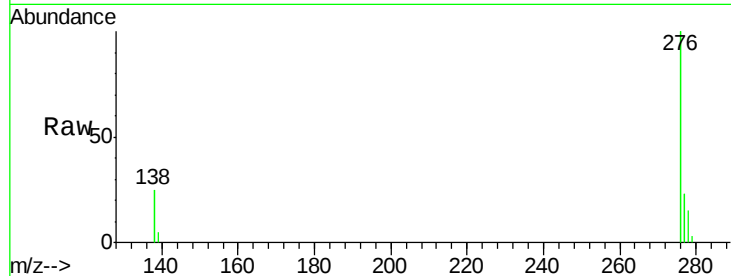
Tgt Ion: 276 Resp: 834361

Ion Ratio Lower Upper

276 100

138 26.2 19.7 29.5

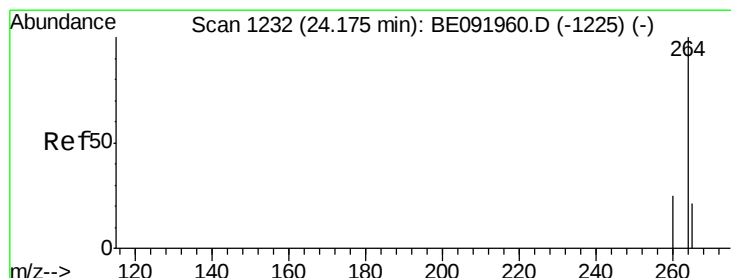
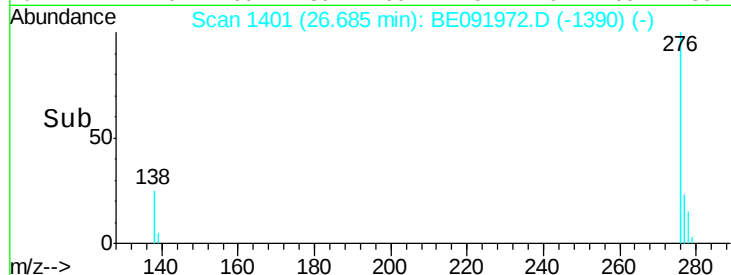
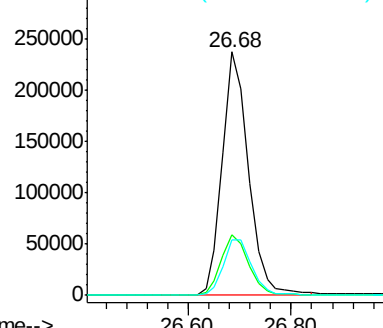
277 24.7 20.1 30.1



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: 24.17 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

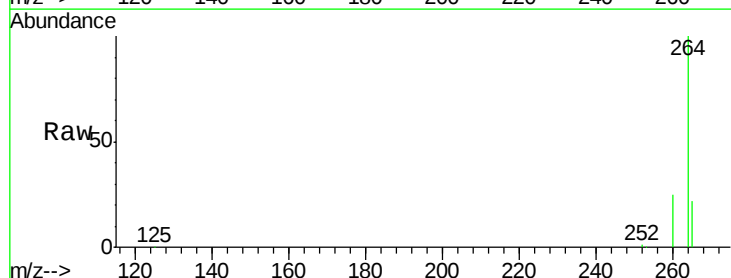
Tgt Ion: 264 Resp: 195860

Ion Ratio Lower Upper

264 100

260 24.9 20.3 30.5

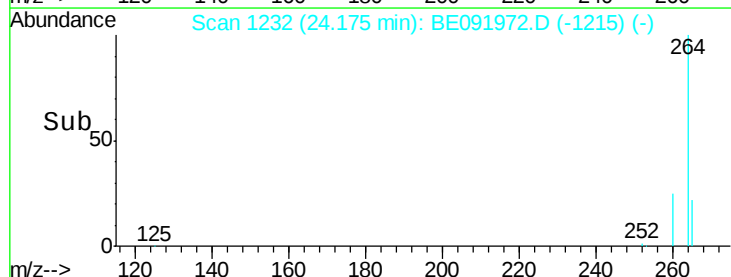
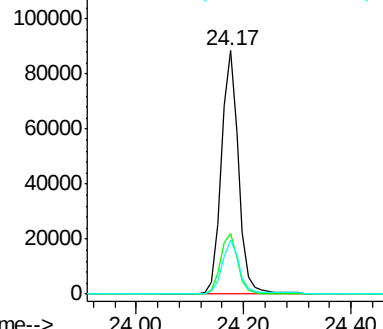
265 22.3 17.6 26.4

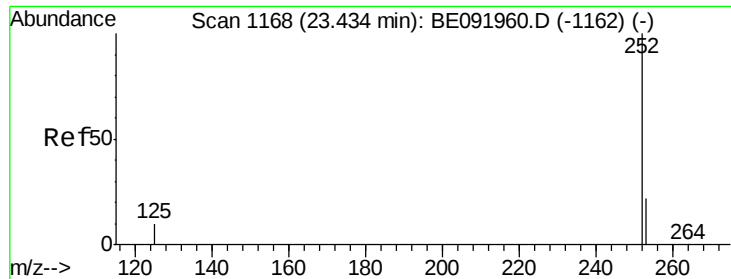


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 3.26 ng

RT: 23.48 min Scan# 1172

Delta R.T. 0.05 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

Instrument :

BNA_E

ClientSampleId :

PB91781BSD

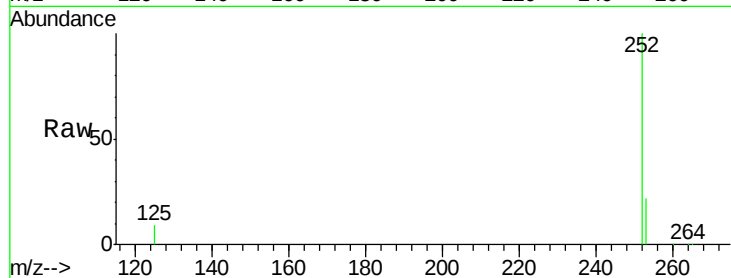
Tgt Ion:252 Resp: 176390

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

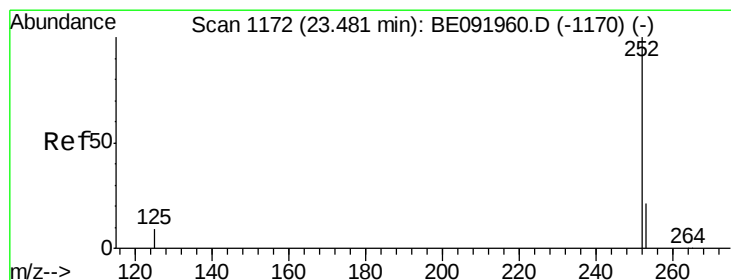
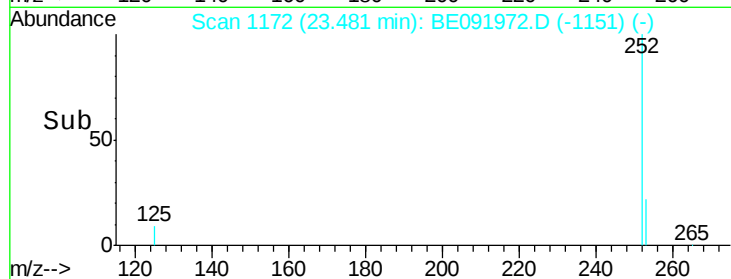
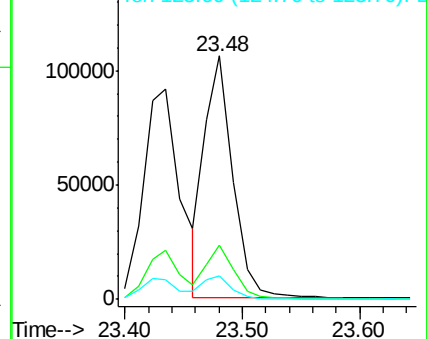
125 9.5 9.4 14.2



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



#42

Benzo(k)fluoranthene

Concen: 3.42 ng

RT: 23.48 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

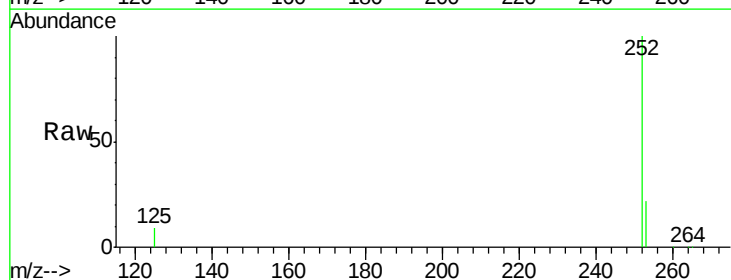
Tgt Ion:252 Resp: 178781

Ion Ratio Lower Upper

252 100

253 22.4 19.4 29.2

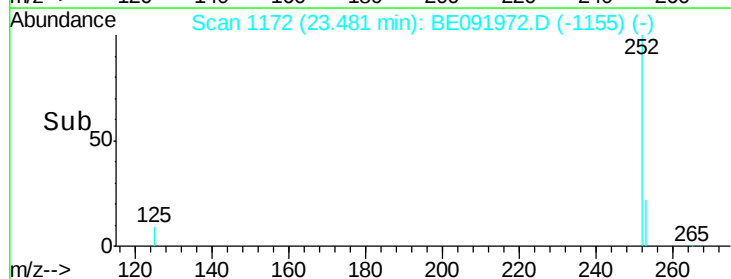
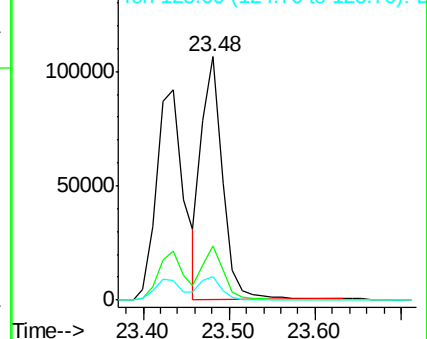
125 9.5 8.3 12.5

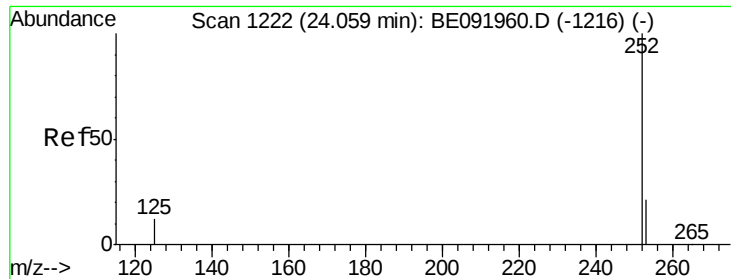


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 3.51 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

Instrument :

BNA_E

ClientSampleId :

PB91781BSD

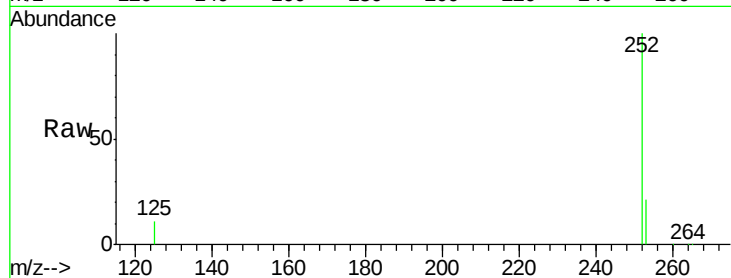
Tgt Ion: 252 Resp: 179289

Ion Ratio Lower Upper

252 100

253 21.5 18.9 28.3

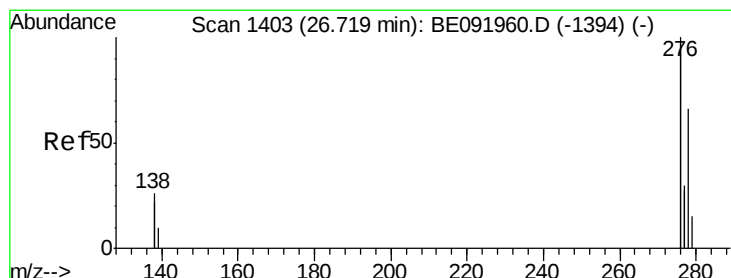
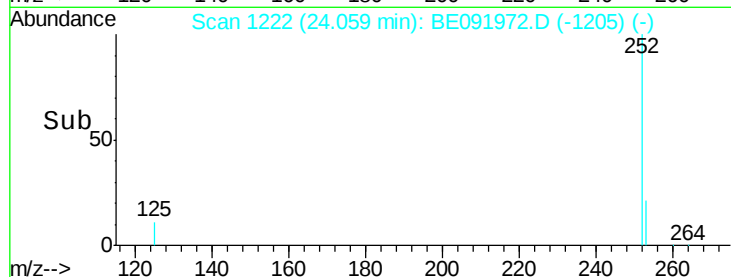
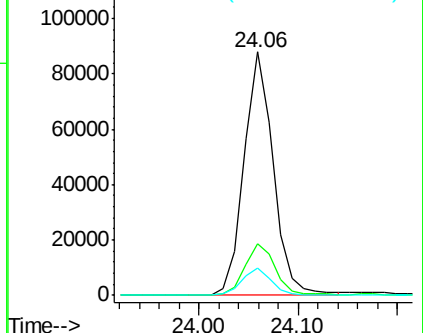
125 11.0 10.5 15.7



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: 3.60 ng

RT: 26.72 min Scan# 1403

Delta R.T. 0.00 min

Lab File: BE091972.D

Acq: 5 Jul 2016 21:47

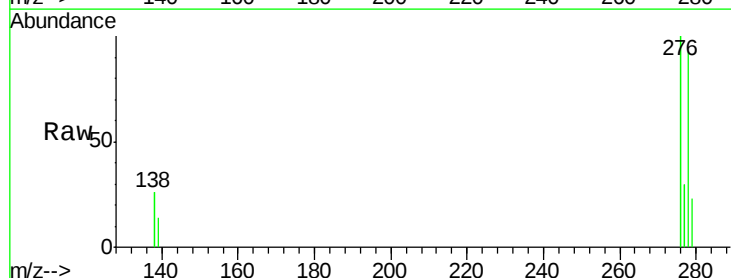
Tgt Ion: 278 Resp: 173002

Ion Ratio Lower Upper

278 100

139 14.6 12.6 18.8

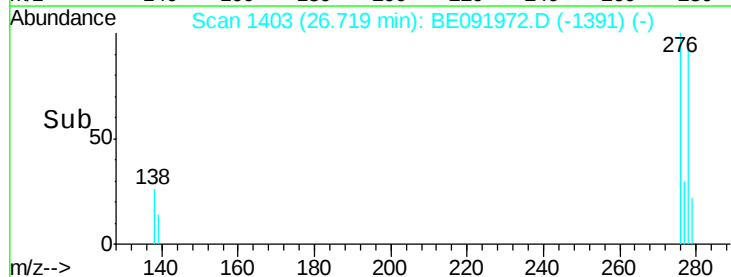
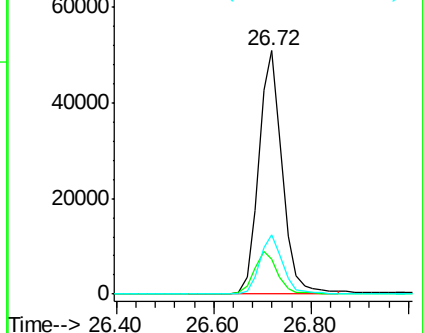
279 24.1 20.0 30.0

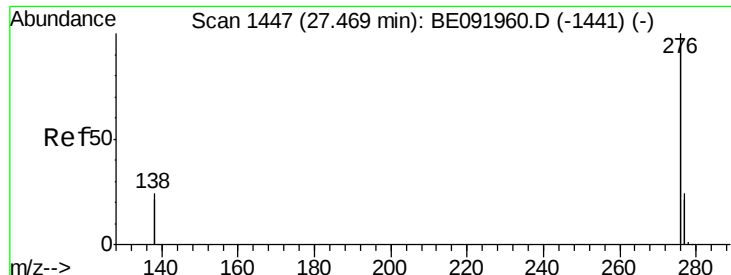


Abundance Ion 278.00 (277.70 to 278.70): E

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: 3.59 ng

RT: 27.47 min Scan# 1447

Delta R.T. 0.00 min

Lab File: BE091972.D

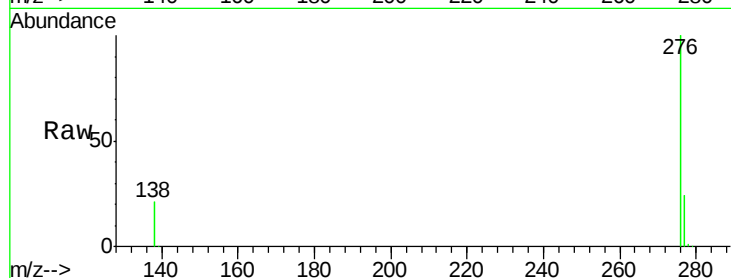
Acq: 5 Jul 2016 21:47

Instrument :

BNA_E

ClientSampleId :

PB91781BSD



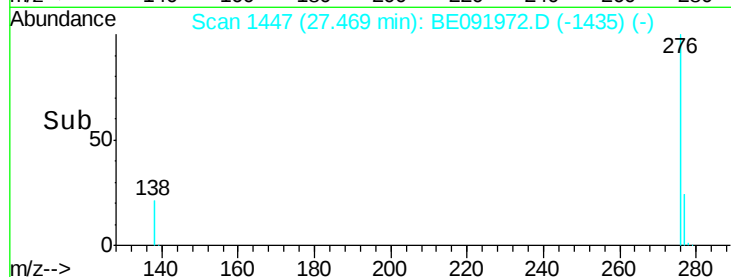
Tgt Ion: 276 Resp: 703431

Ion Ratio Lower Upper

276 100

277 24.0 19.5 29.3

138 21.4 17.7 26.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

