

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070516\
 Data File : BE091979.D
 Acq On : 6 Jul 2016 2:12
 Operator : UM/SJ
 Sample : H3826-02
 Misc : LOQ1.0
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-160627

Quant Time: Jul 06 05:55:33 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

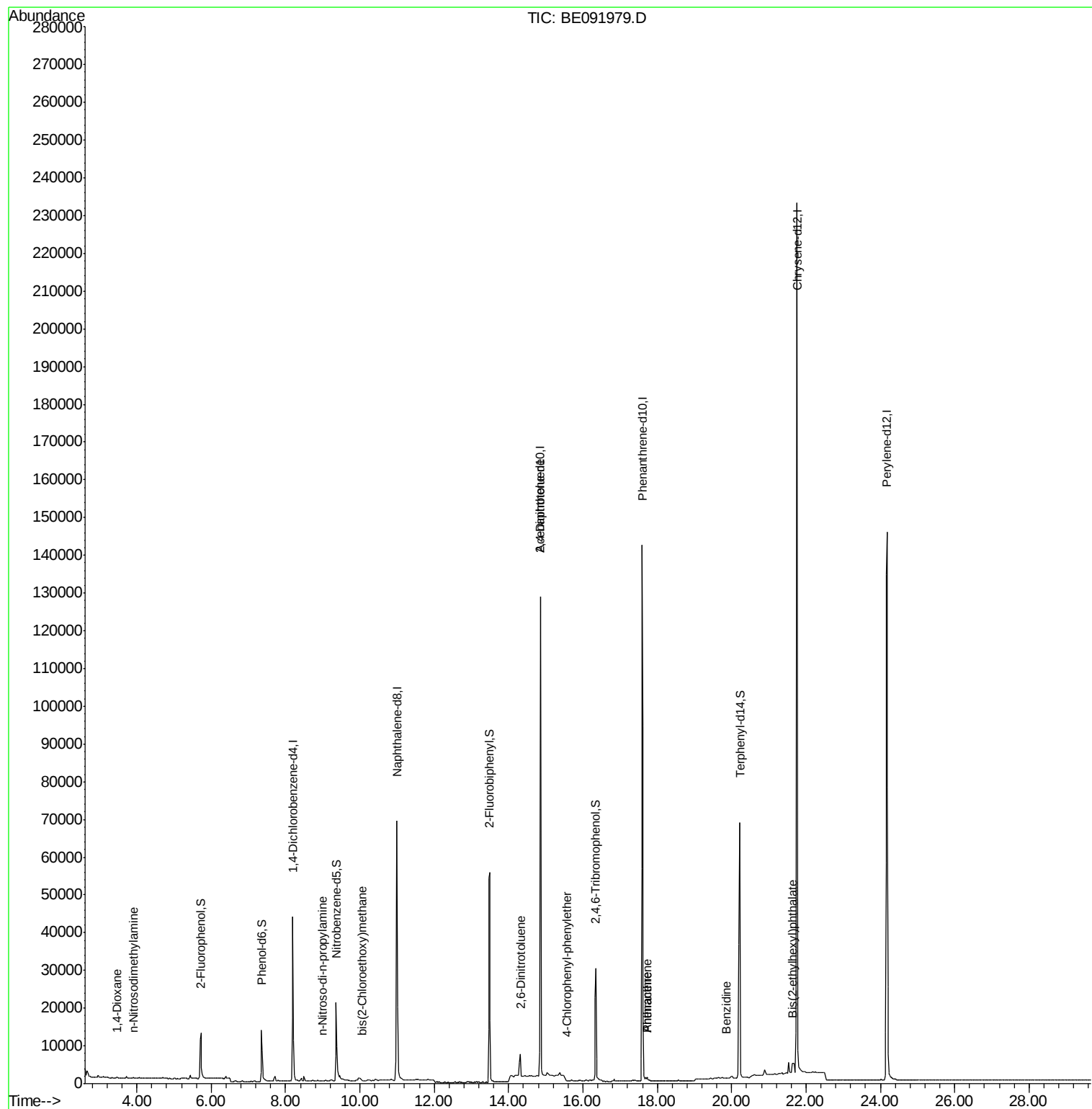
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	23558	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	114467	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	82840	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	183687	5.00	ng	0.00
31) Chrysene-d12	21.76	240	315262	5.00	ng	0.00
40) Perylene-d12	24.18	264	222696	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	13932	2.47	ng	0.00
5) Phenol-d6	7.35	99	18989	2.43	ng	-0.02
9) Nitrobenzene-d5	9.36	82	22521	2.89	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	16514	5.61	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	65637	3.25	ng	0.00
34) Terphenyl-d14	20.22	244	113641	3.06	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.47	88	199	0.06	ng	# 61
3) n-Nitrosodimethylamine	3.91	42	89	0.06	ng	# 4
7) n-Nitroso-di-n-propylamine	9.00	70	154	0.02	ng	# 20
11) bis(2-Chloroethoxy)methane	10.07	93	585	0.06	ng	# 1
19) 2,6-Dinitrotoluene	14.32	165	4479	0.31	ng	# 10
21) 2,4-Dinitrotoluene	14.86	165	46197	1.87	ng	# 1
23) 4-Chlorophenyl-phenylether	15.57	204	519	0.04	ng	# 1
28) Phenanthrene	17.73	178	1009	0.02	ng	98
29) Anthracene	17.73	178	1094	0.02	ng	98
32) Benzidine	19.86	184	220	0.22	ng	# 1
36) 3,3'-Dichlorobenzidine	21.67	252	74	Below Cal		# 78
38) Bis(2-ethylhexyl)phthalate	21.64	149	8355	0.14	ng	# 100

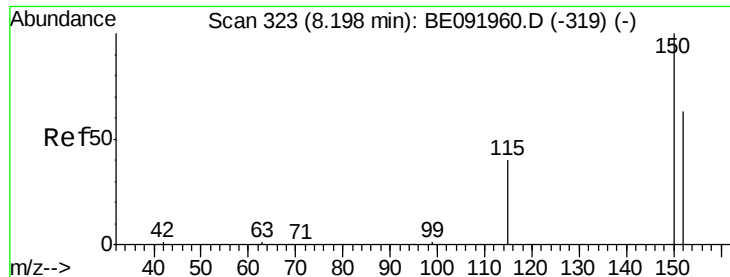
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091979.D

Acq: 6 Jul 2016 2:12

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160627

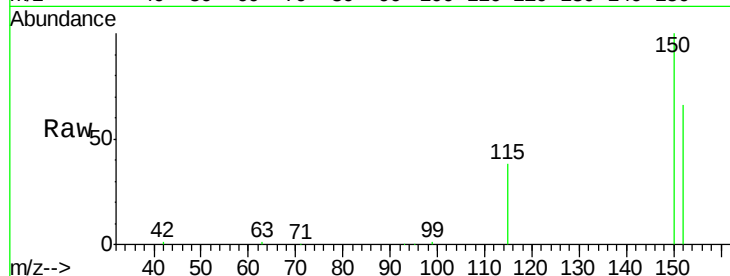
Tgt Ion:152 Resp: 23558

Ion Ratio Lower Upper

152 100

150 152.5 123.9 185.9

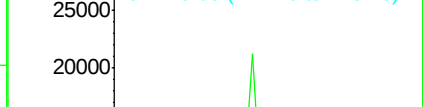
115 58.6 48.3 72.5



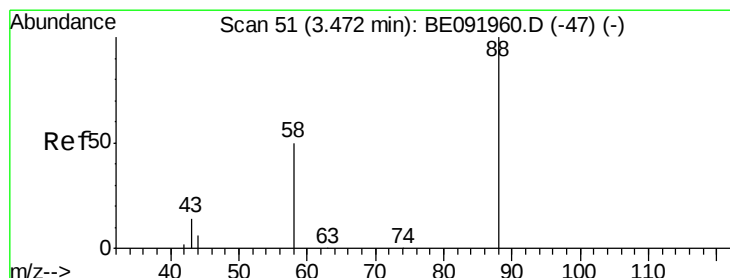
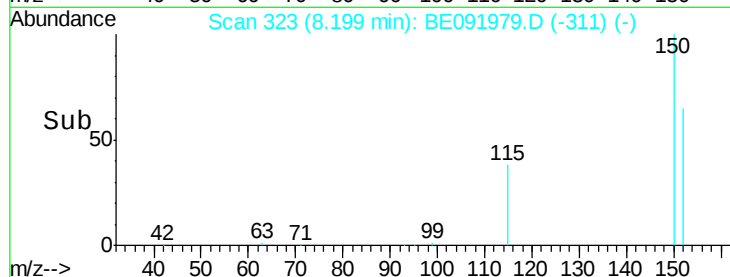
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time--> 8.00 8.10 8.20 8.30 8.40



#2

1,4-Dioxane

Concen: 0.06 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE091979.D

Acq: 6 Jul 2016 2:12

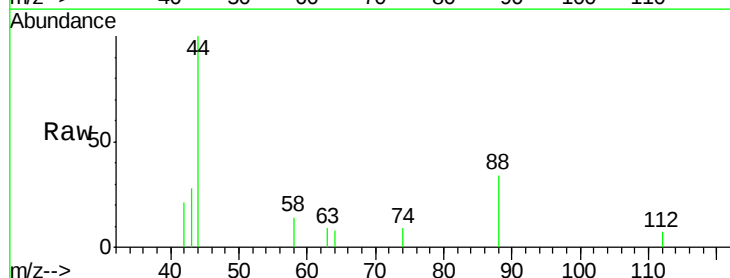
Tgt Ion: 88 Resp: 199

Ion Ratio Lower Upper

88 100

58 51.3 63.0 94.4#

43 69.3 29.1 43.7#



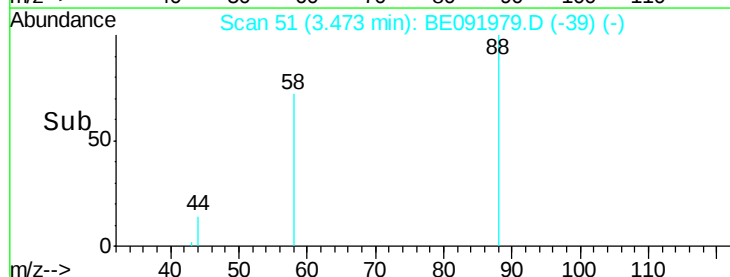
Abundance Ion 88.00 (87.70 to 88.70): BE0

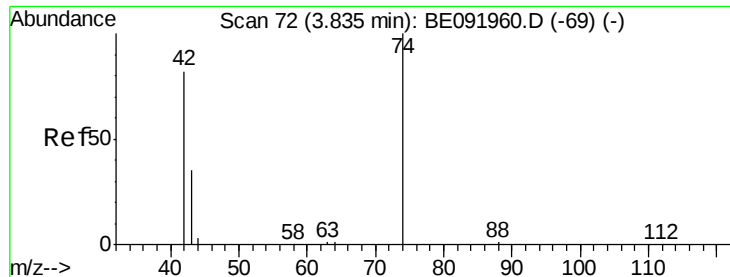
Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



Time--> 3.40 3.50 3.60





#3

n-Nitrosodimethylamine

Concen: 0.06 ng

RT: 3.91 min Scan# 76

Delta R.T. 0.07 min

Lab File: BE091979.D

Acq: 6 Jul 2016 2:12

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160627

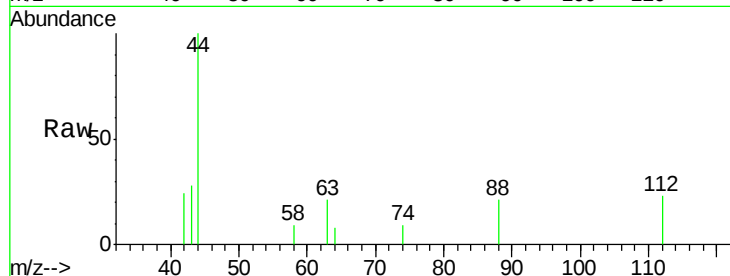
Tgt Ion: 42 Resp: 89

Ion Ratio Lower Upper

42 100

74 9.0 93.4 140.0#

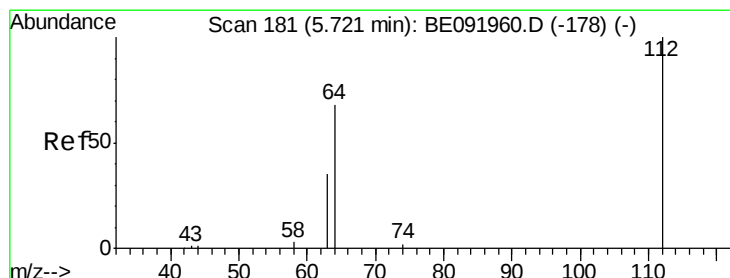
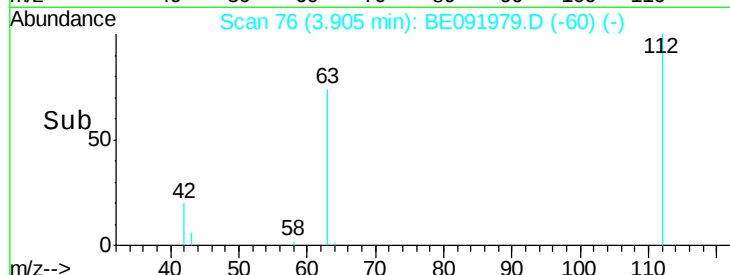
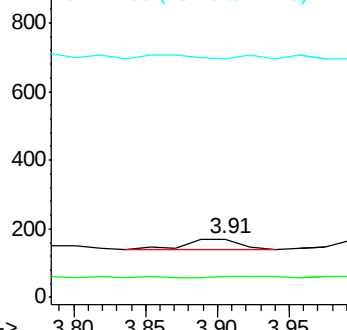
44 20.2 5.0 7.6#



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: 2.47 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE091979.D

Acq: 6 Jul 2016 2:12

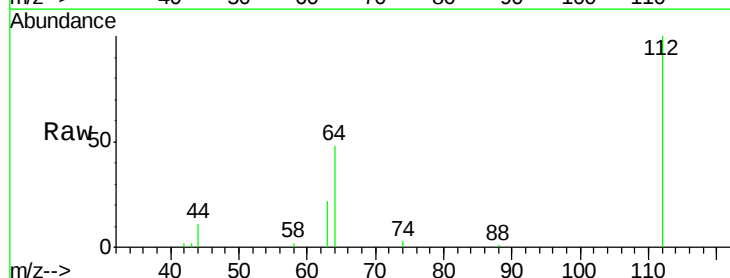
Tgt Ion: 112 Resp: 13932

Ion Ratio Lower Upper

112 100

64 67.4 53.7 80.5

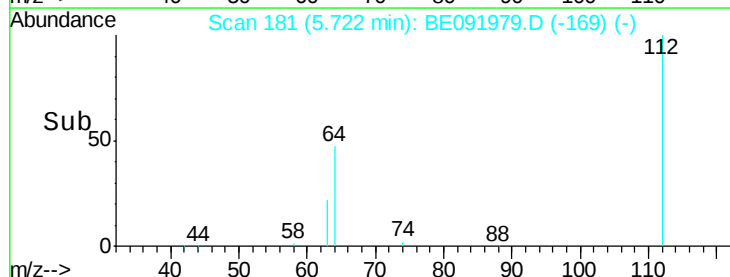
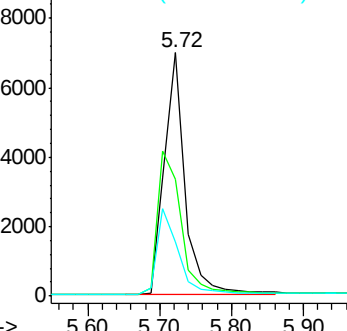
63 36.4 29.5 44.3

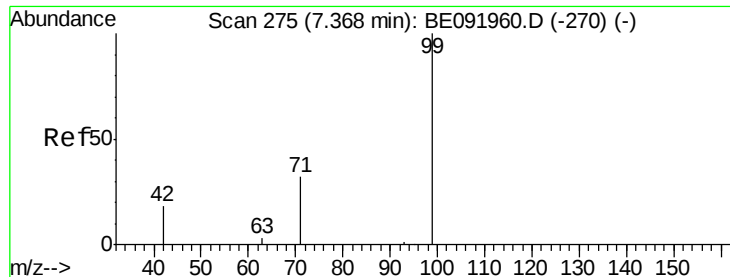


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 2.43 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE091979.D

Acq: 6 Jul 2016 2:12

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160627

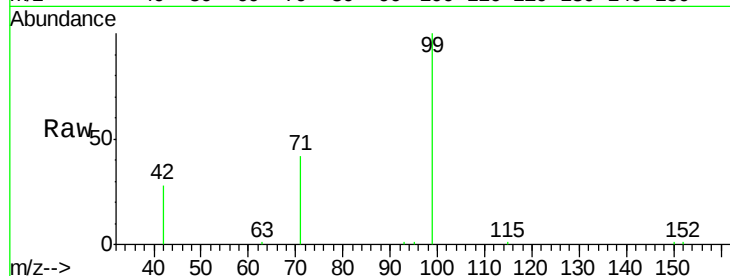
Tgt Ion: 99 Resp: 18989

Ion Ratio Lower Upper

99 100

42 24.5 19.6 29.4

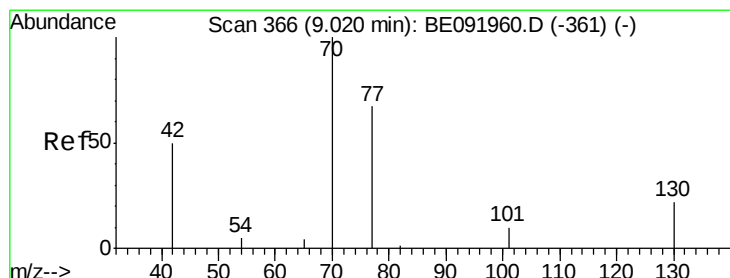
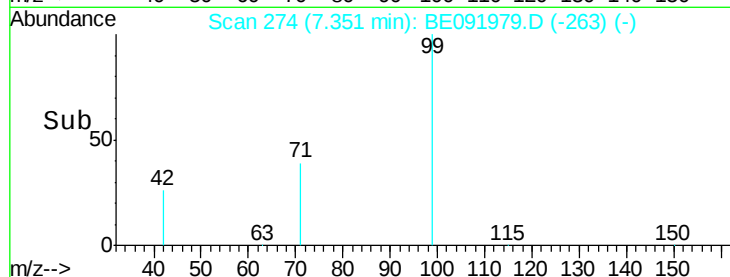
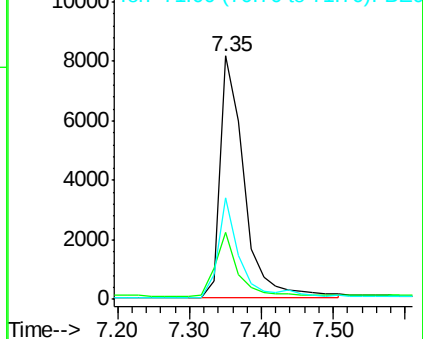
71 37.4 28.1 42.1



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



#7

n-Nitroso-di-n-propylamine

Concen: 0.02 ng

RT: 9.00 min Scan# 365

Delta R.T. -0.02 min

Lab File: BE091979.D

Acq: 6 Jul 2016 2:12

Tgt Ion: 70 Resp: 154

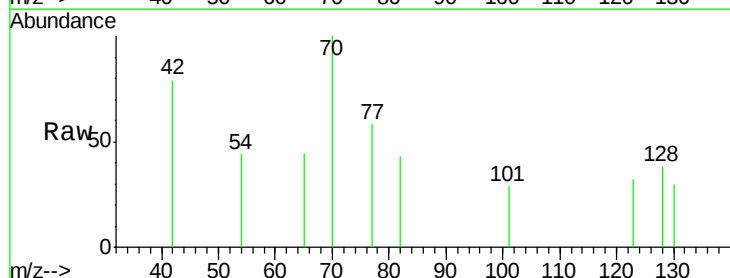
Ion Ratio Lower Upper

70 100

42 0.0 58.4 87.6#

101 3.2 6.4 9.6#

130 3.2 0.0 0.0#

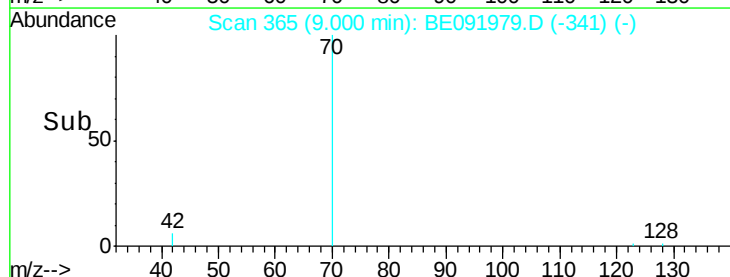
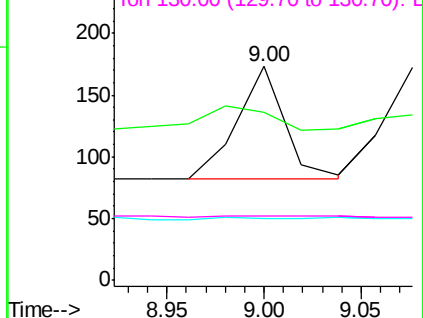


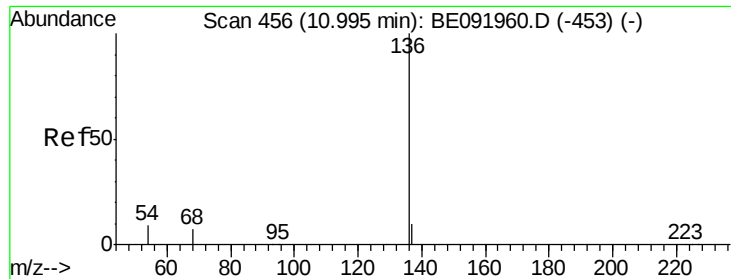
Abundance Ion 70.00 (69.70 to 70.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 101.00 (100.70 to 101.70): BE0

Ion 130.00 (129.70 to 130.70): BE0





#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. -0.00 min

Lab File: BE091979.D

Acq: 6 Jul 2016 2:12

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160627

Tgt Ion: 136 Resp: 114467

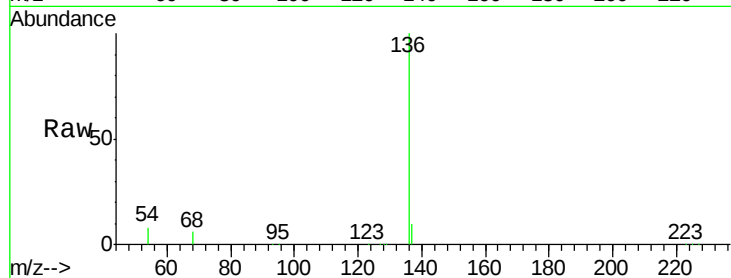
Ion Ratio Lower Upper

136 100

137 10.3 8.3 12.5

54 7.7 8.2 12.4#

68 5.8 5.9 8.9#

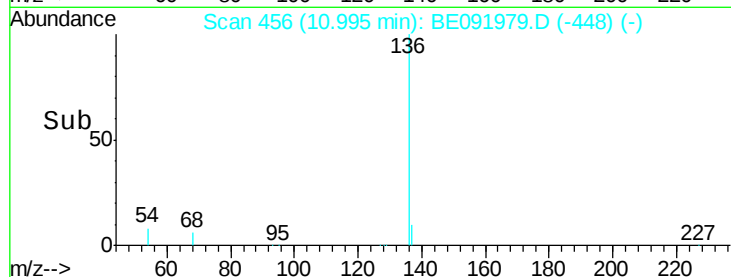


Abundance Ion 136.00 (135.70 to 136.70): E

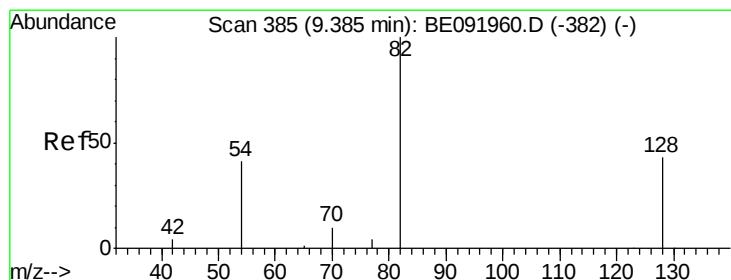
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time--> 10.80 10.90 11.00 11.10



#9

Nitrobenzene-d5

Concen: 2.89 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091979.D

Acq: 6 Jul 2016 2:12

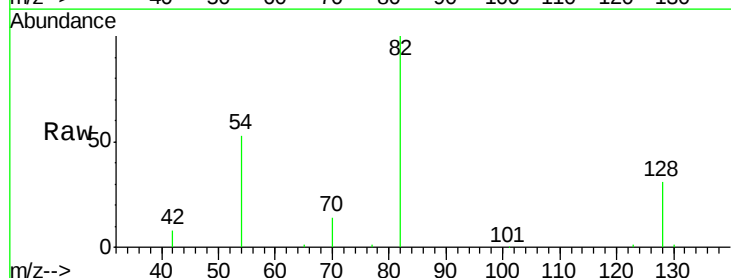
Tgt Ion: 82 Resp: 22521

Ion Ratio Lower Upper

82 100

128 30.5 39.5 59.3#

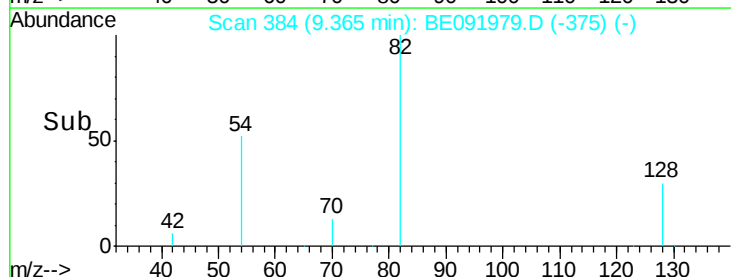
54 52.8 30.3 45.5#



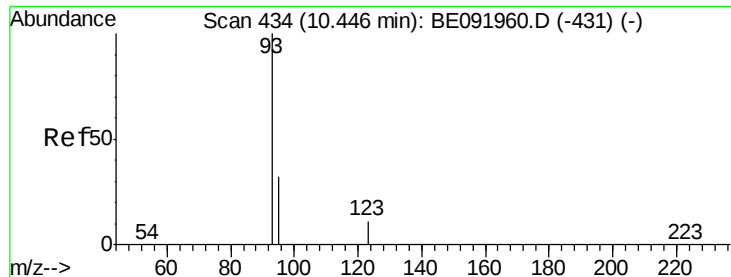
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



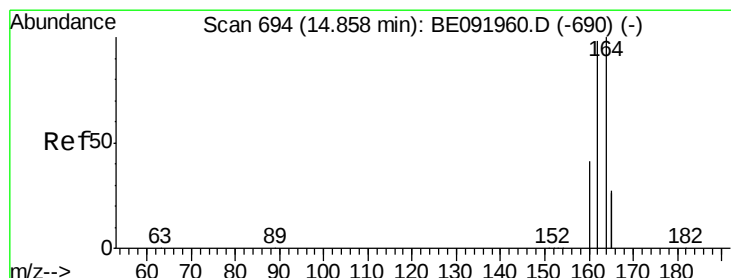
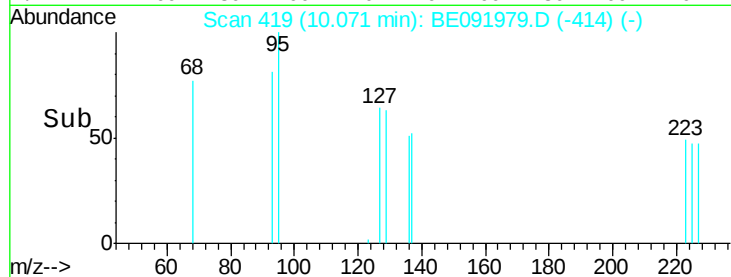
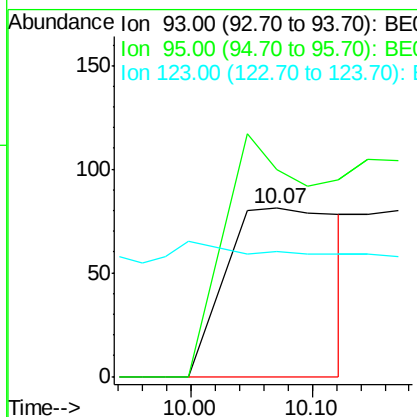
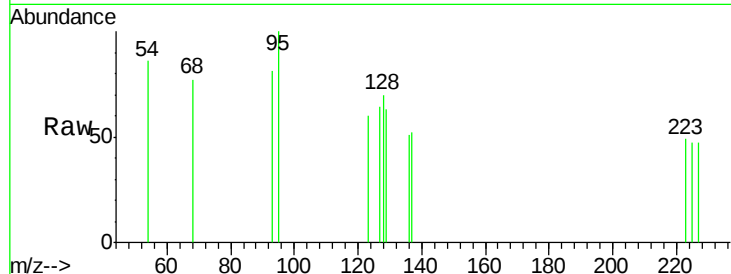
Time--> 9.30 9.40 9.50



#11
bis(2-Chloroethoxy)methane
Concen: 0.06 ng
RT: 10.07 min Scan# 419
Delta R.T. -0.37 min
Lab File: BE091979.D
Acq: 6 Jul 2016 2:12

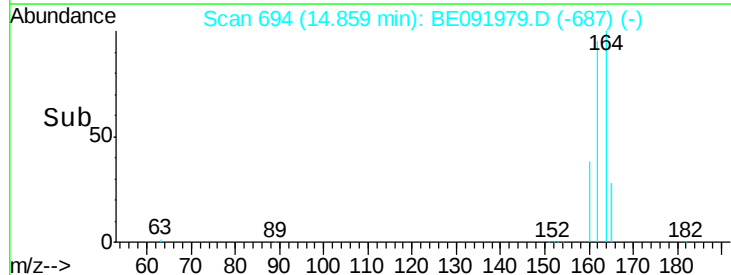
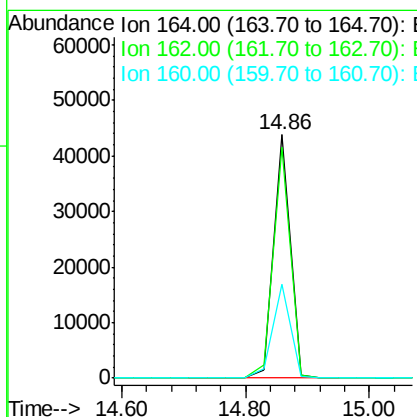
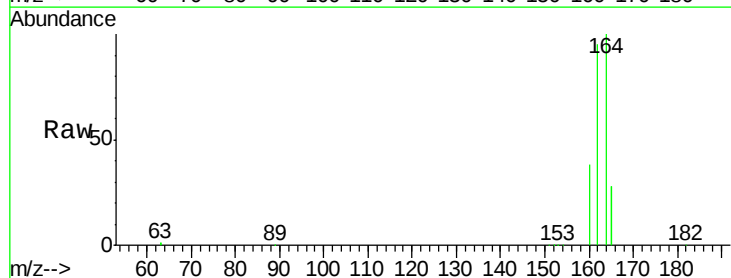
Instrument :
BNA_E
ClientSampleId :
KY038PS027-160627

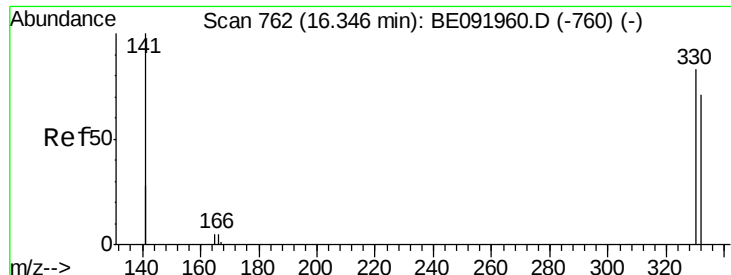
Tgt Ion: 93 Resp: 585
Ion Ratio Lower Upper
93 100
95 0.0 57.6 86.4#
123 0.0 100.2 150.4#



#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. 0.00 min
Lab File: BE091979.D
Acq: 6 Jul 2016 2:12

Tgt Ion: 164 Resp: 82840
Ion Ratio Lower Upper
164 100
162 94.9 71.8 107.8
160 38.4 28.0 42.0

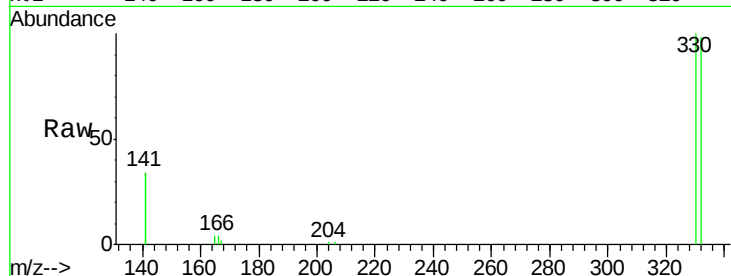




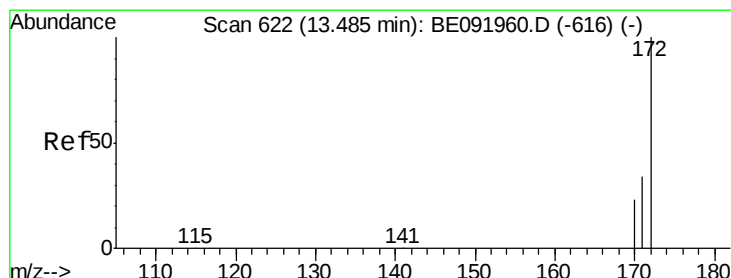
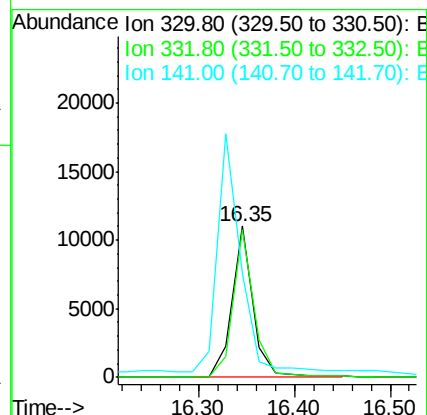
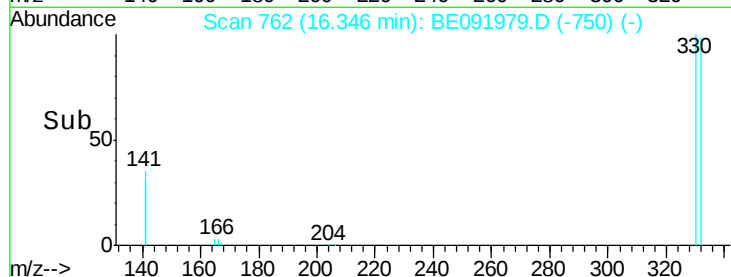
#16
 2,4,6-Tribromophenol
 Concen: 5.61 ng
 RT: 16.35 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE091979.D
 Acq: 6 Jul 2016 2:12

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-160627

Tgt Ion:330 Resp: 16514
 Ion Ratio Lower Upper
 330 100
 332 97.7 77.0 115.6
 141 173.6 138.4 207.6

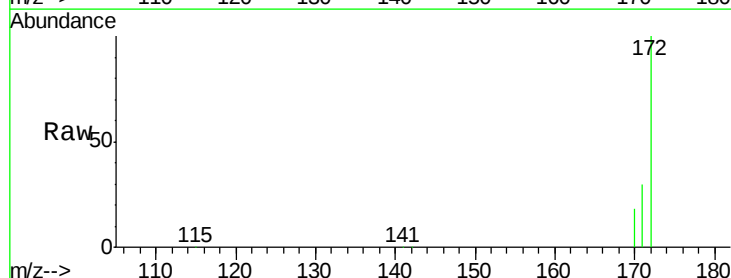


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

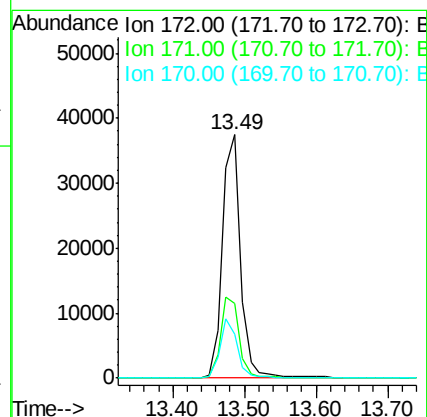
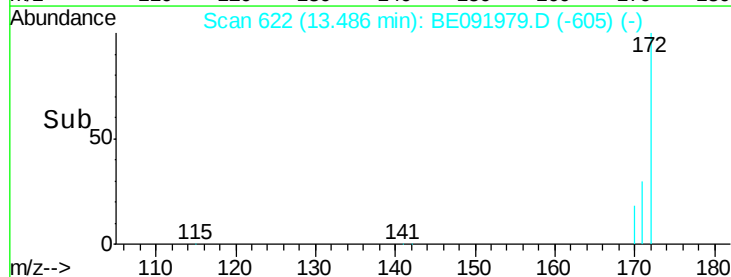


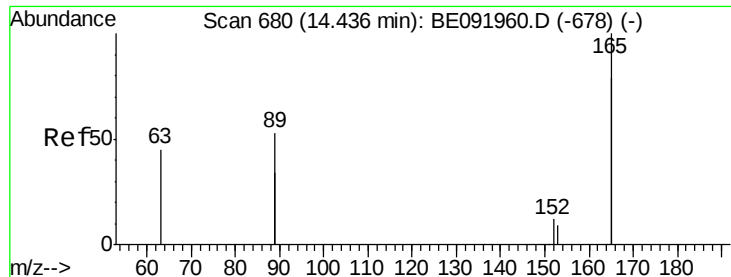
#17
 2-Fluorobiphenyl
 Concen: 3.25 ng
 RT: 13.49 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BE091979.D
 Acq: 6 Jul 2016 2:12

Tgt Ion:172 Resp: 65637
 Ion Ratio Lower Upper
 172 100
 171 30.5 24.3 36.5
 170 17.9 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

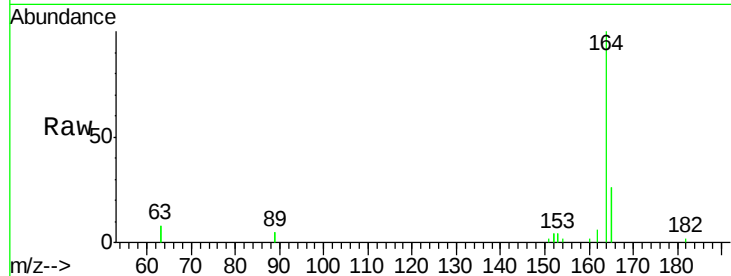




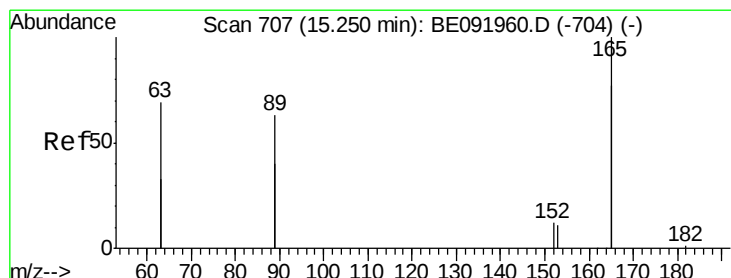
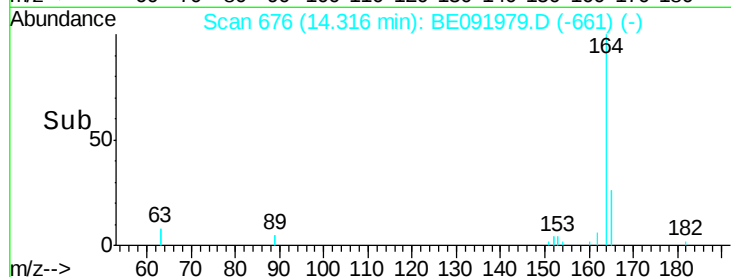
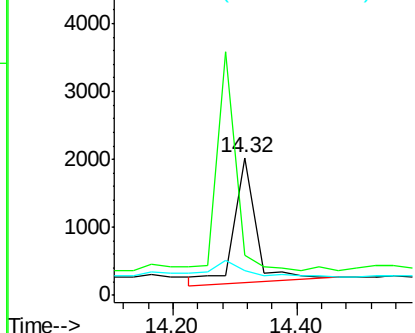
#19
2,6-Dinitrotoluene
Concen: 0.31 ng
RT: 14.32 min Scan# 676
Delta R.T. -0.12 min
Lab File: BE091979.D
Acq: 6 Jul 2016 2:12

Instrument :
BNA_E
ClientSampleId :
KY038PS027-160627

Tgt Ion:165 Resp: 4479
Ion Ratio Lower Upper
165 100
63 0.0 65.9 98.9#
89 0.0 59.1 88.7#



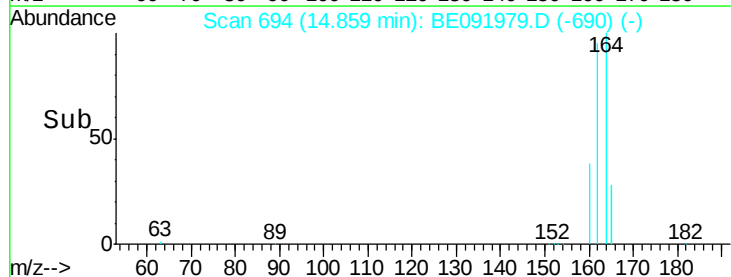
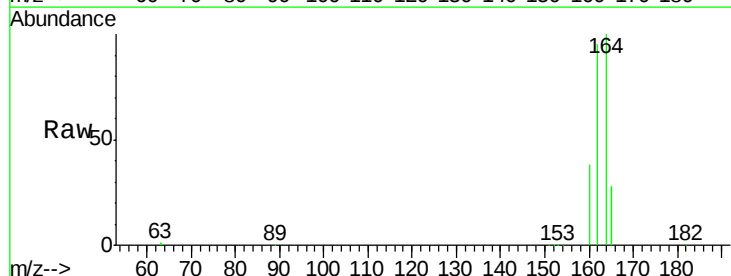
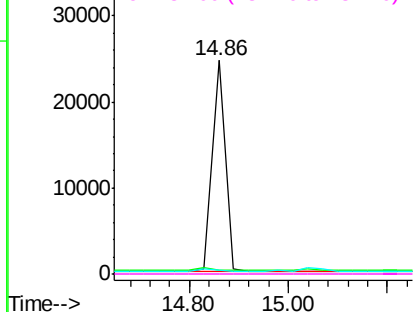
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0

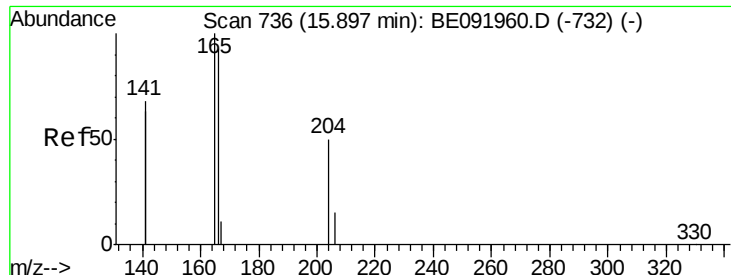


#21
2,4-Dinitrotoluene
Concen: 1.87 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.39 min
Lab File: BE091979.D
Acq: 6 Jul 2016 2:12

Tgt Ion:165 Resp: 46197
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 0.0 99.8 149.8#
182 0.0 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

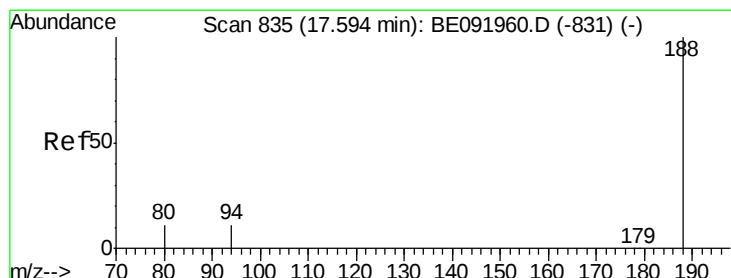
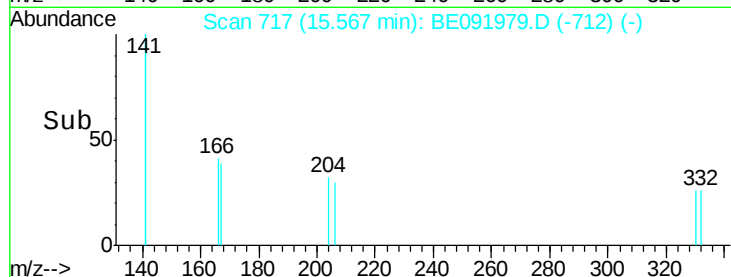
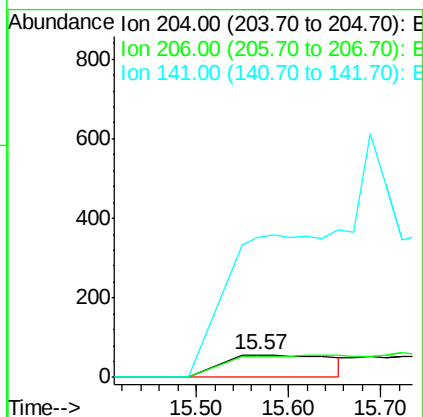
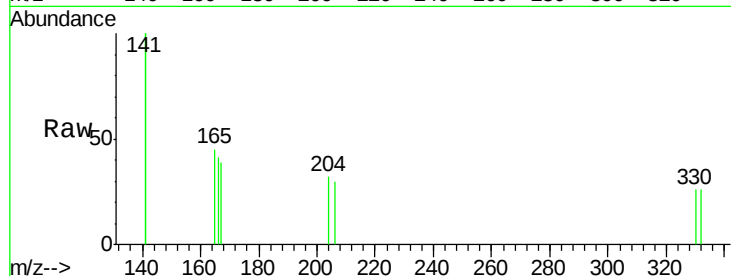




#23
4-Chlorophenyl-phenylether
Concen: 0.04 ng
RT: 15.57 min Scan# 717
Delta R.T. -0.33 min
Lab File: BE091979.D
Acq: 6 Jul 2016 2:12

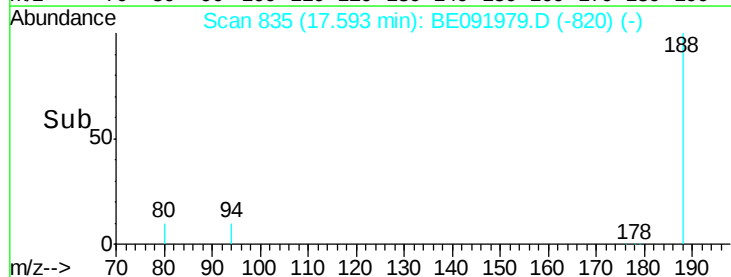
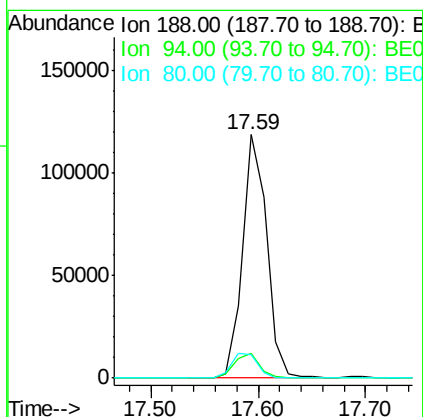
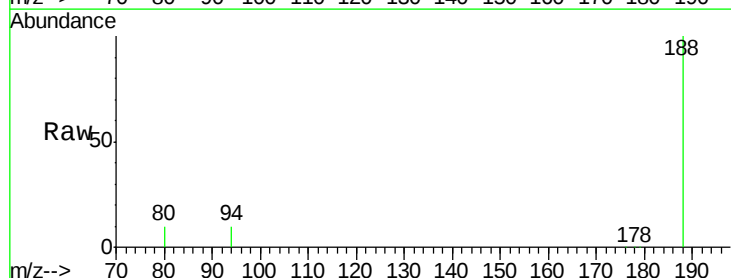
Instrument :
BNA_E
ClientSampleId :
KY038PS027-160627

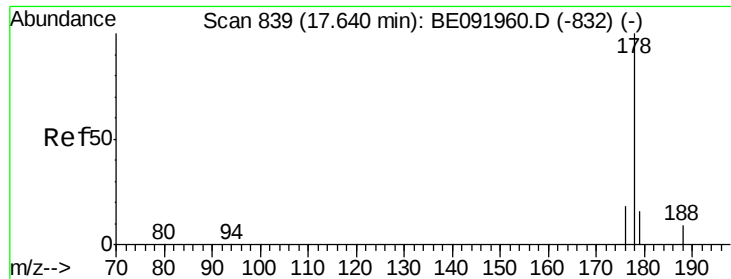
Tgt Ion: 204 Resp: 519
Ion Ratio Lower Upper
204 100
206 0.0 27.8 41.6#
141 442.6 197.6 296.4#



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.59 min Scan# 835
Delta R.T. -0.00 min
Lab File: BE091979.D
Acq: 6 Jul 2016 2:12

Tgt Ion: 188 Resp: 183687
Ion Ratio Lower Upper
188 100
94 10.1 4.1 6.1#
80 9.7 3.4 5.2#





#28

Phenanthrene

Concen: 0.02 ng

RT: 17.73 min Scan# 847

Delta R.T. 0.09 min

Lab File: BE091979.D

Acq: 6 Jul 2016 2:12

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160627

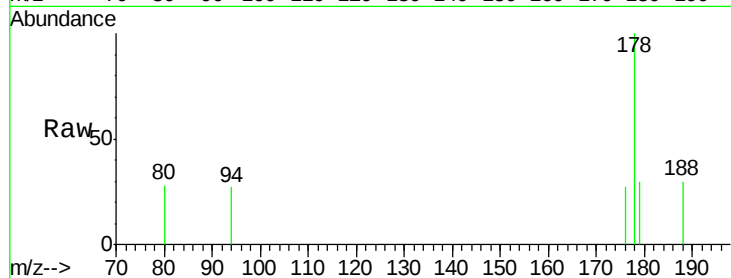
Tgt Ion:178 Resp: 1009

Ion Ratio Lower Upper

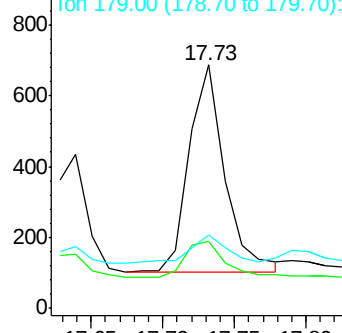
178 100

176 19.7 15.4 23.2

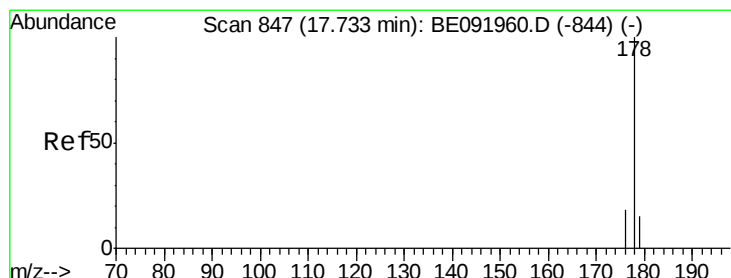
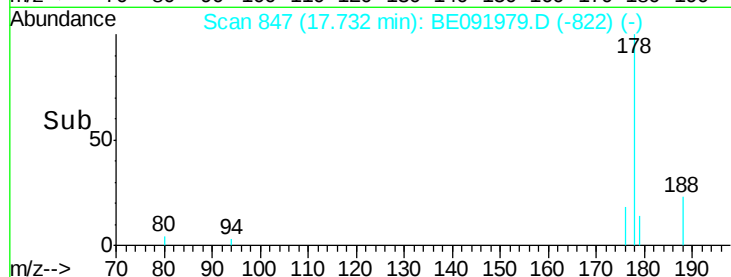
179 14.6 12.9 19.3



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



Time-->



#29

Anthracene

Concen: 0.02 ng

RT: 17.73 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE091979.D

Acq: 6 Jul 2016 2:12

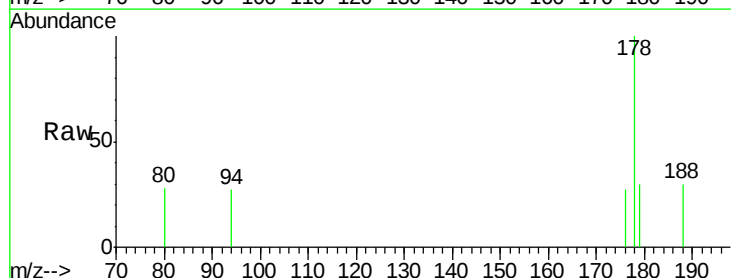
Tgt Ion:178 Resp: 1094

Ion Ratio Lower Upper

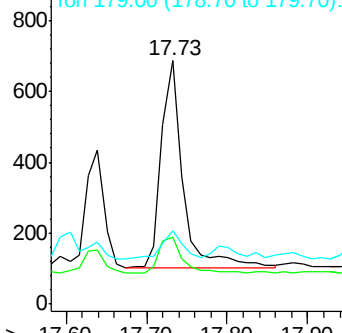
178 100

176 18.7 15.1 22.7

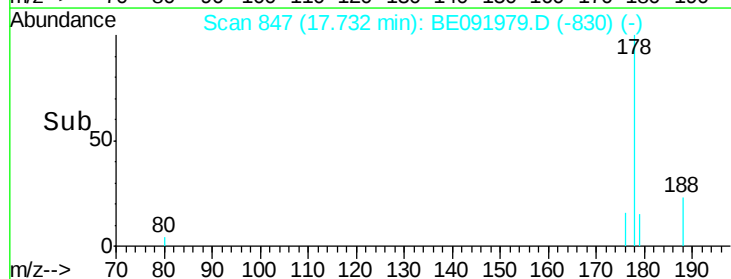
179 13.4 12.1 18.1

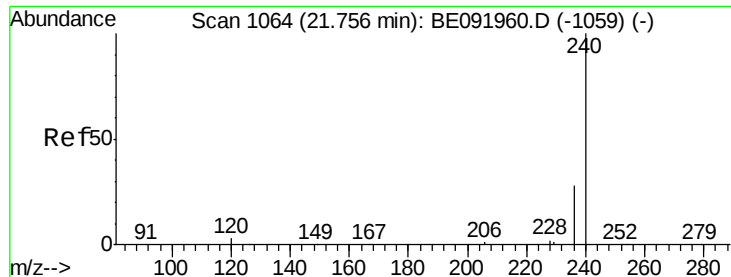


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BE091979.D

Acq: 6 Jul 2016 2:12

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160627

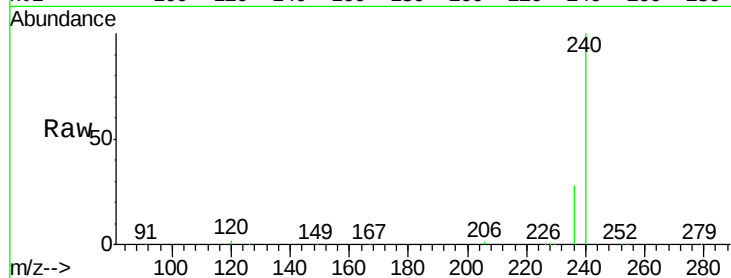
Tgt Ion:240 Resp: 315262

Ion Ratio Lower Upper

240 100

120 1.6 1.2 1.8

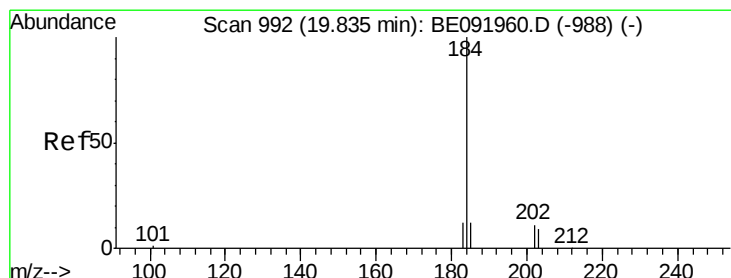
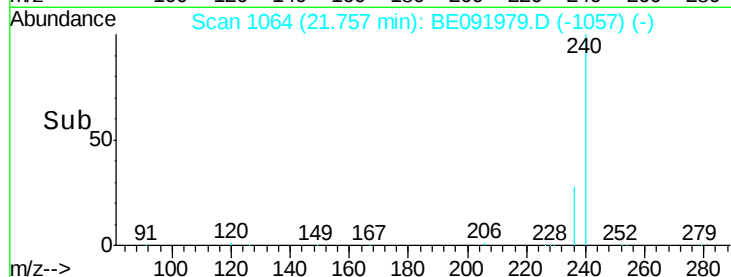
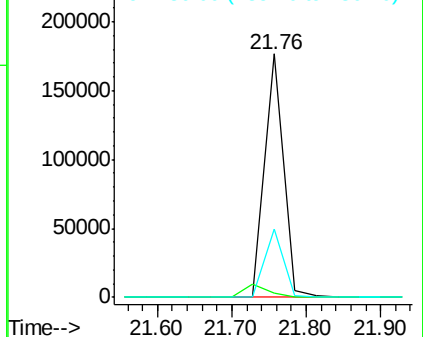
236 28.0 19.8 29.8



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: 0.22 ng

RT: 19.86 min Scan# 993

Delta R.T. 0.02 min

Lab File: BE091979.D

Acq: 6 Jul 2016 2:12

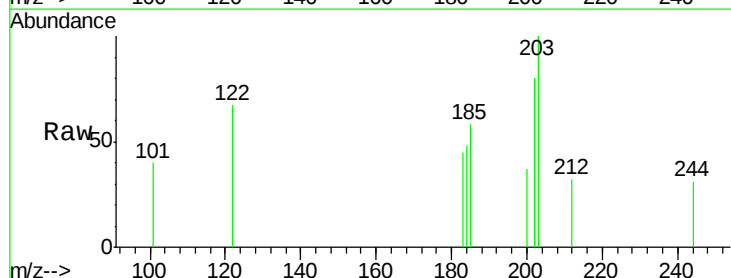
Tgt Ion:184 Resp: 220

Ion Ratio Lower Upper

184 100

185 120.0 11.4 17.2#

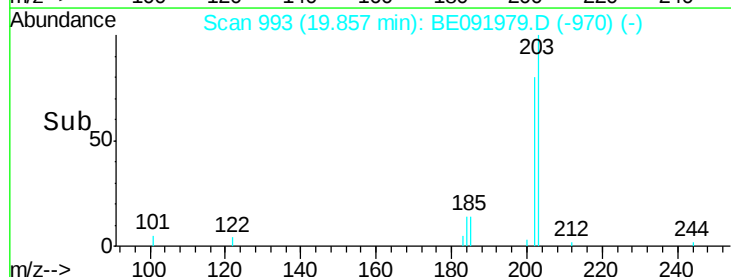
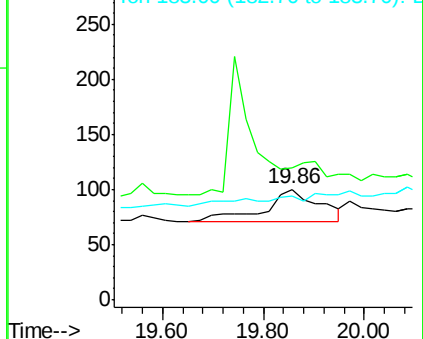
183 94.0 11.8 17.6#

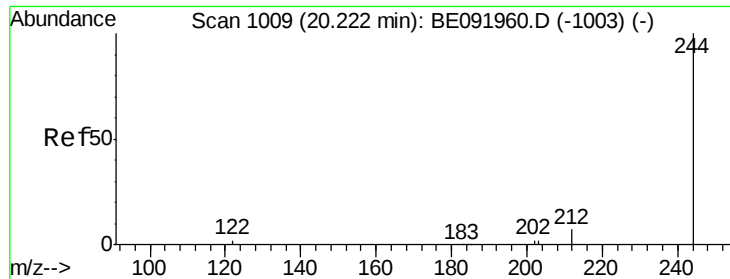


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#34

Terphenyl-d14

Concen: 3.06 ng

RT: 20.22 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE091979.D

Acq: 6 Jul 2016 2:12

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160627

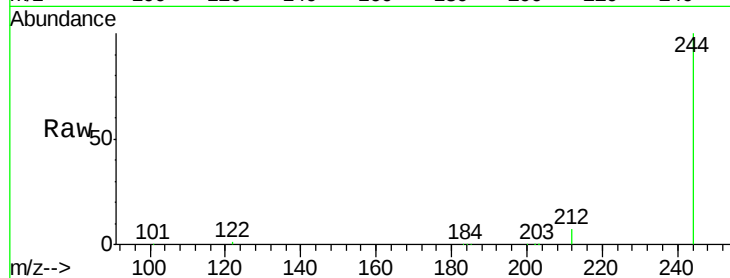
Tgt Ion:244 Resp: 113641

Ion Ratio Lower Upper

244 100

212 6.6 6.5 9.7

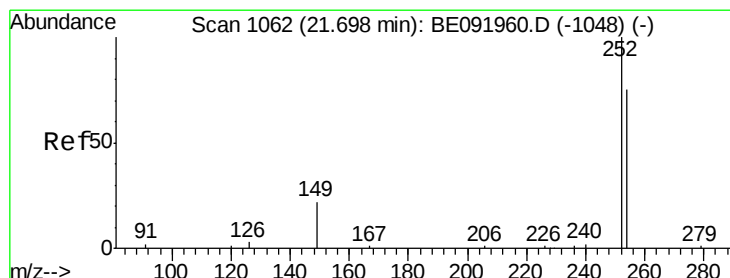
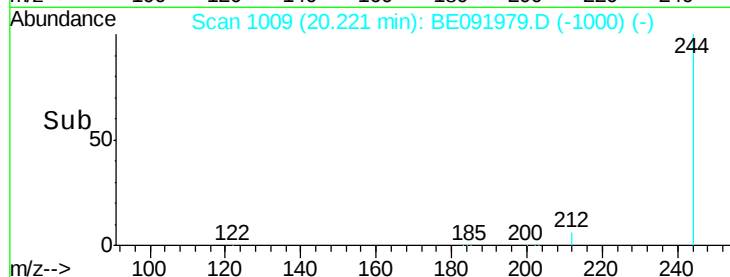
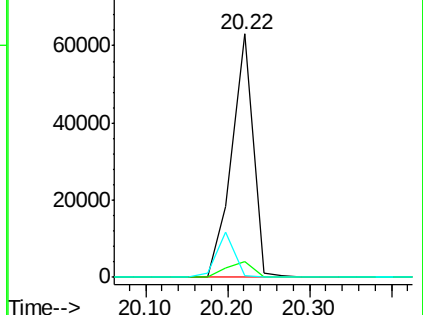
122 0.6 2.9 4.3#



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



#36

3,3'-Dichlorobenzidine

Concen: Below Cal

RT: 21.67 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BE091979.D

Acq: 6 Jul 2016 2:12

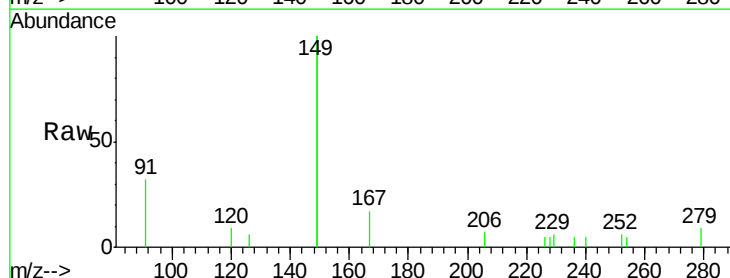
Tgt Ion:252 Resp: 74

Ion Ratio Lower Upper

252 100

254 85.4 61.5 92.3

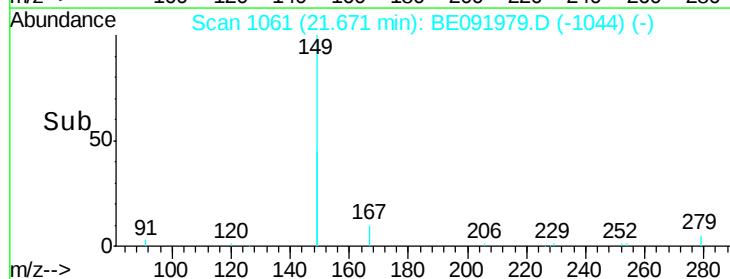
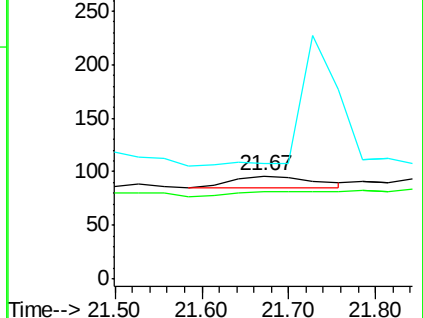
126 112.5 2.5 3.7#

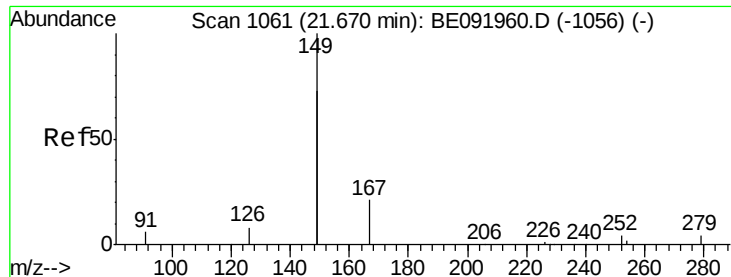


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#38

Bis(2-ethylhexyl)phthalate

Concen: 0.14 ng

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091979.D

Acq: 6 Jul 2016 2:12

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160627

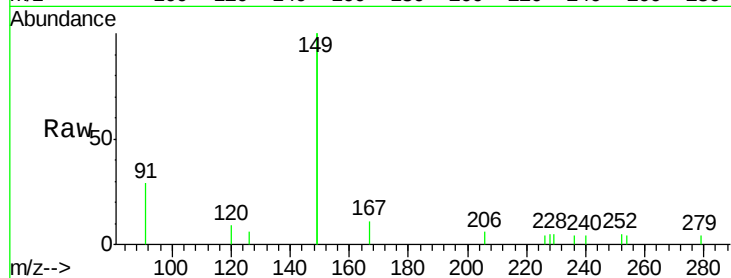
Tgt Ion:149 Resp: 8355

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

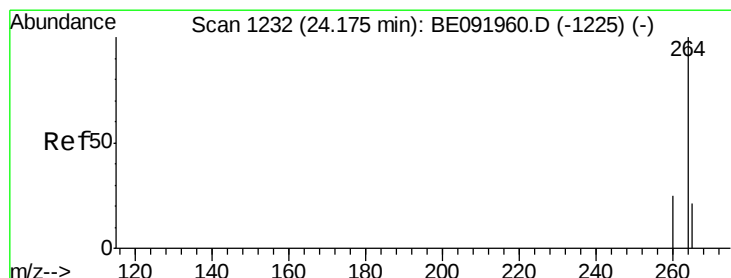
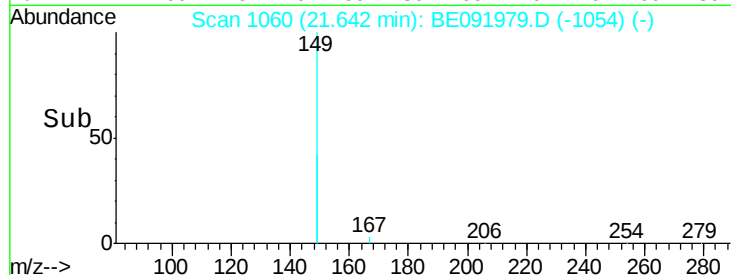
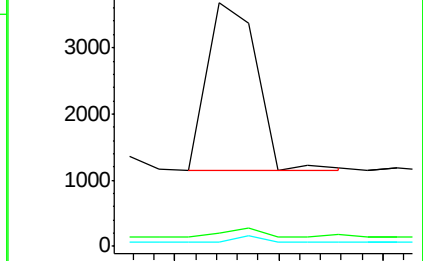
279 0.0 0.0 0.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#40

Perylene-d12

Concen: 5.00 ng

RT: 24.18 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE091979.D

Acq: 6 Jul 2016 2:12

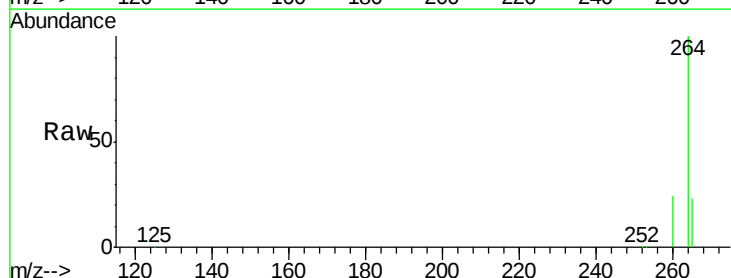
Tgt Ion:264 Resp: 222696

Ion Ratio Lower Upper

264 100

260 23.9 20.3 30.5

265 22.6 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

