

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070516\
 Data File : BE091981.D
 Acq On : 6 Jul 2016 3:27
 Operator : UM/SJ
 Sample : H3826-05
 Misc : LOQ1.0
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS038-160627

Quant Time: Jul 06 05:56:00 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	20589	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	93431	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	70425	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	155368	5.00	ng	0.00
31) Chrysene-d12	21.76	240	294585	5.00	ng	0.00
40) Perylene-d12	24.17	264	213981	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	6754	1.37	ng	0.00
5) Phenol-d6	7.37	99	5542	0.81	ng	0.00
9) Nitrobenzene-d5	9.37	82	15536	2.44	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	8489	3.45	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	46402	2.70	ng	0.00
34) Terphenyl-d14	20.22	244	102657	2.95	ng	0.00

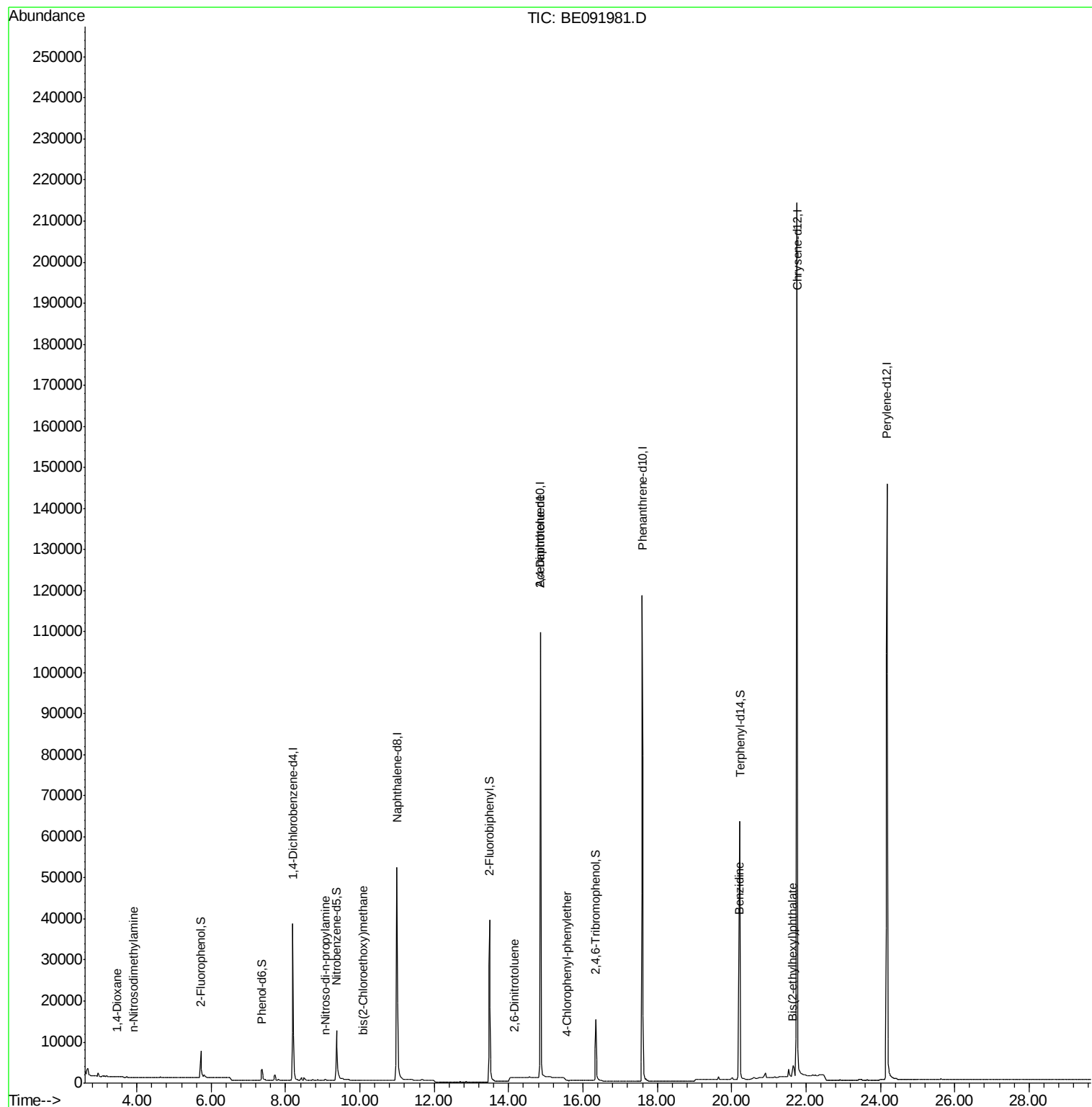
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	142	0.05	ng	# 64
3) n-Nitrosodimethylamine	3.90	42	22	0.04	ng	# 6
7) n-Nitroso-di-n-propylamine	9.08	70	146	0.03	ng	# 64
11) bis(2-Chloroethoxy)methane	10.10	93	935	0.12	ng	# 24
19) 2,6-Dinitrotoluene	14.16	165	2476	0.25	ng	# 10
21) 2,4-Dinitrotoluene	14.86	165	38103	1.82	ng	# 1
23) 4-Chlorophenyl-phenylether	15.57	204	475	0.05	ng	# 28
32) Benzidine	20.20	184	2175	0.31	ng	# 91
36) 3,3'-Dichlorobenzidine	21.70	252	26	Below Cal		# 82
38) Bis(2-ethylhexyl)phthalate	21.64	149	7413	0.13	ng	# 100

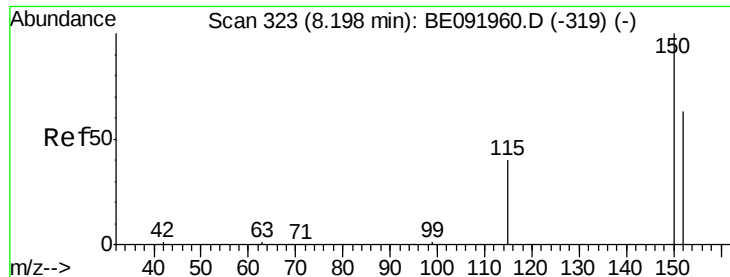
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091981.D

Acq: 6 Jul 2016 3:27

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160627

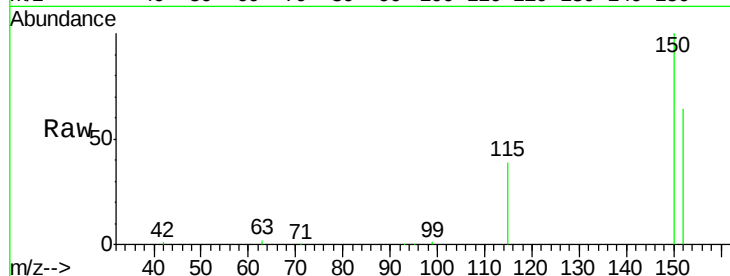
Tgt Ion:152 Resp: 20589

Ion Ratio Lower Upper

152 100

150 156.3 123.9 185.9

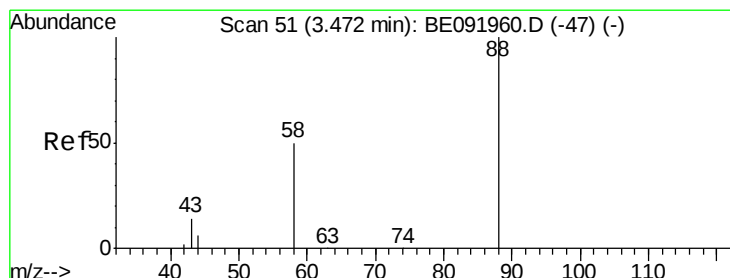
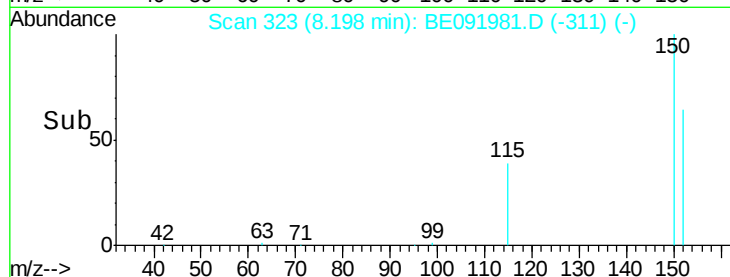
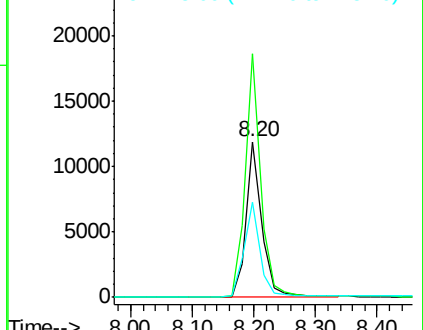
115 61.4 48.3 72.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.05 ng

RT: 3.47 min Scan# 51

Delta R.T. -0.00 min

Lab File: BE091981.D

Acq: 6 Jul 2016 3:27

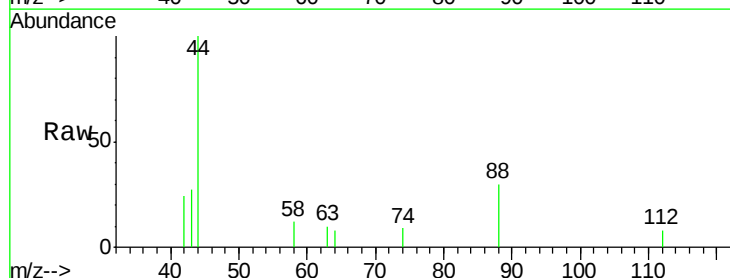
Tgt Ion: 88 Resp: 142

Ion Ratio Lower Upper

88 100

58 38.0 63.0 94.4#

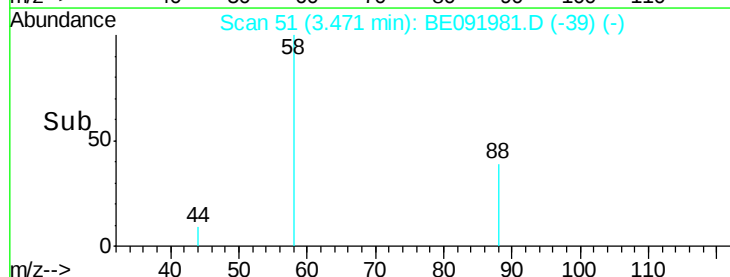
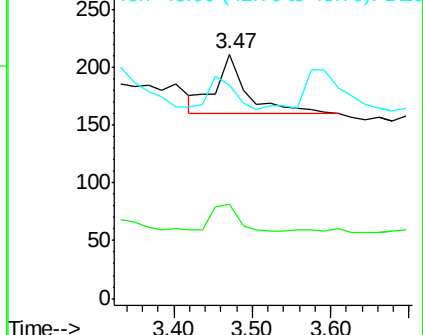
43 44.4 29.1 43.7#

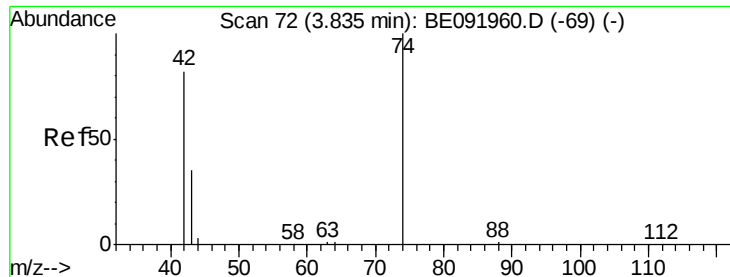


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.04 ng

RT: 3.90 min Scan# 76

Delta R.T. 0.07 min

Lab File: BE091981.D

Acq: 6 Jul 2016 3:27

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160627

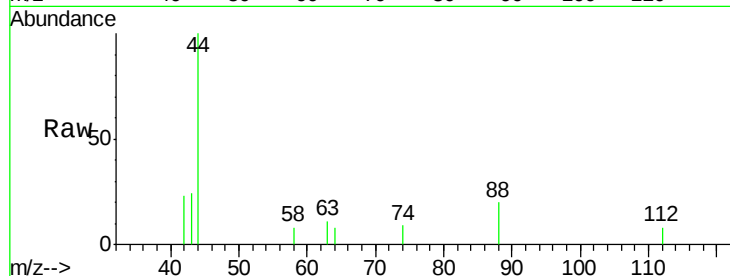
Tgt Ion: 42 Resp: 22

Ion Ratio Lower Upper

42 100

74 9.1 93.4 140.0#

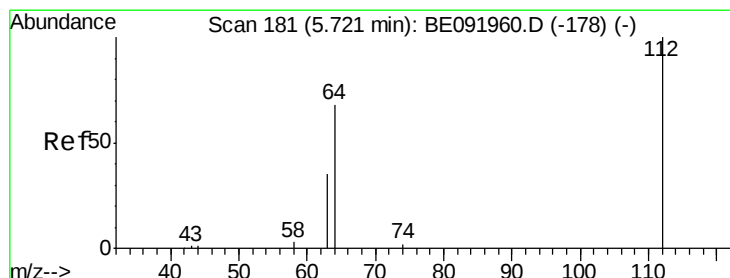
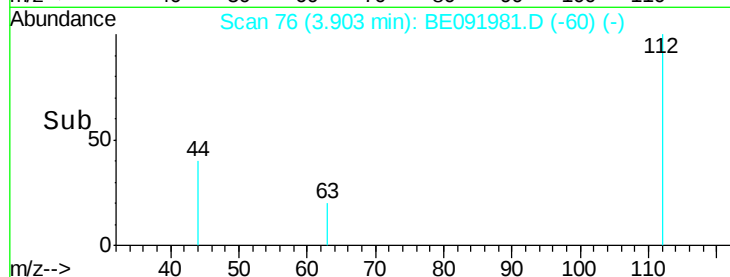
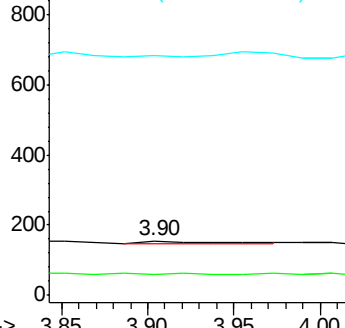
44 0.0 5.0 7.6#



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: 1.37 ng

RT: 5.72 min Scan# 181

Delta R.T. -0.00 min

Lab File: BE091981.D

Acq: 6 Jul 2016 3:27

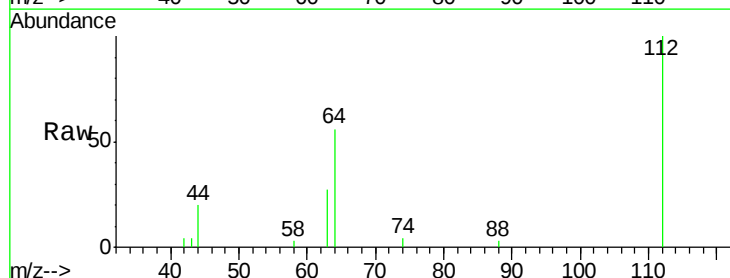
Tgt Ion: 112 Resp: 6754

Ion Ratio Lower Upper

112 100

64 67.3 53.7 80.5

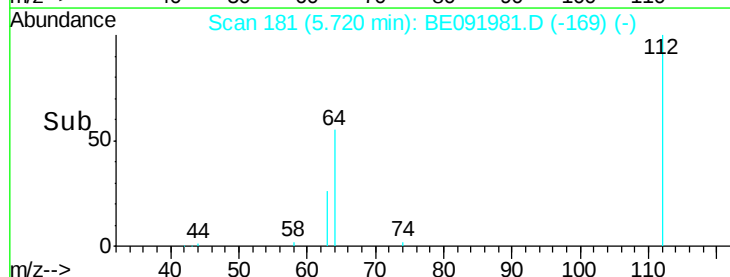
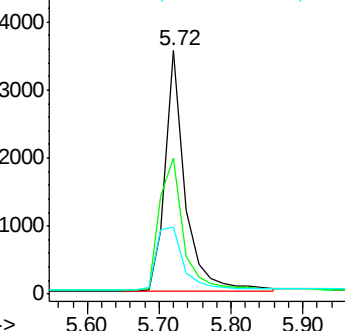
63 35.9 29.5 44.3

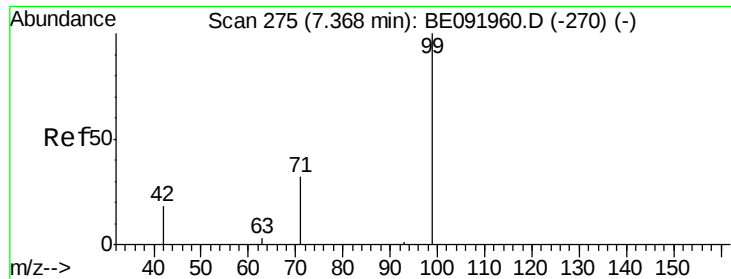


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.81 ng

RT: 7.37 min Scan# 275

Delta R.T. -0.00 min

Lab File: BE091981.D

Acq: 6 Jul 2016 3:27

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160627

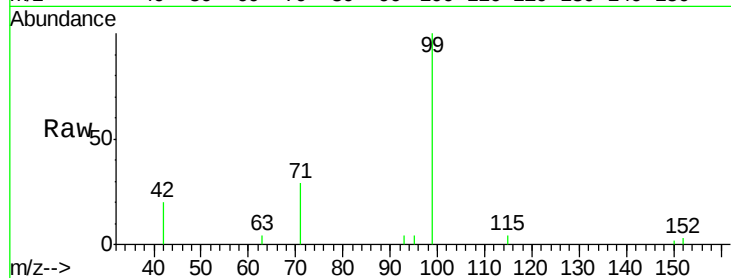
Tgt Ion: 99 Resp: 5542

Ion Ratio Lower Upper

99 100

42 24.8 19.6 29.4

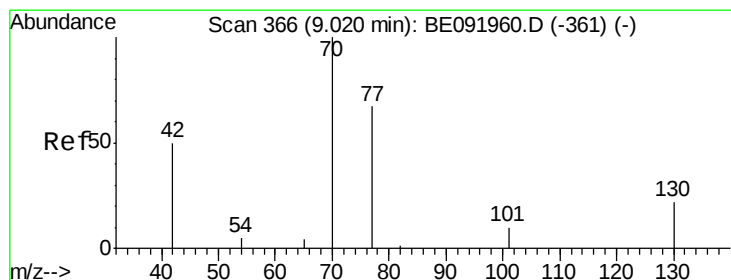
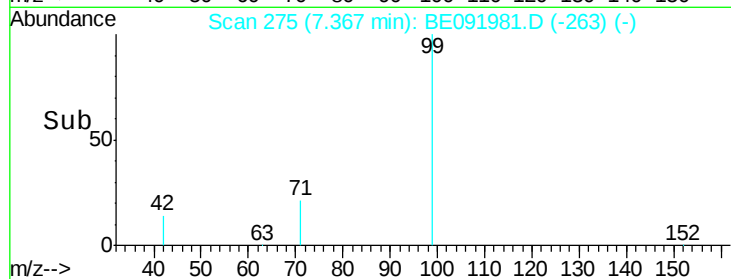
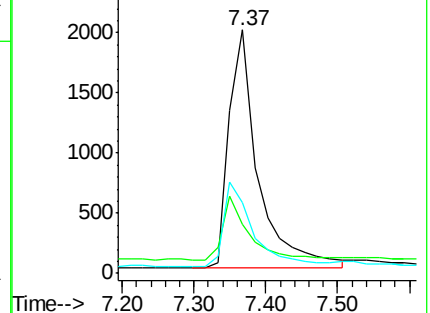
71 35.6 28.1 42.1



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: 0.03 ng

RT: 9.08 min Scan# 369

Delta R.T. 0.06 min

Lab File: BE091981.D

Acq: 6 Jul 2016 3:27

Tgt Ion: 70 Resp: 146

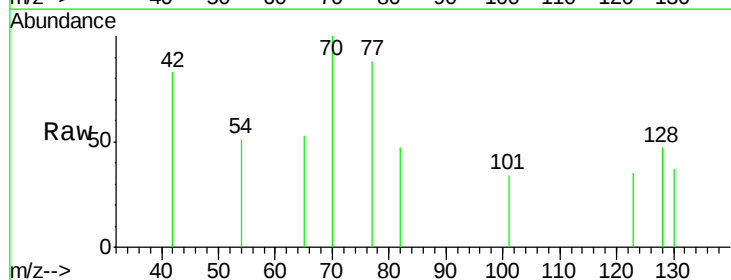
Ion Ratio Lower Upper

70 100

42 41.8 58.4 87.6#

101 0.0 6.4 9.6#

130 0.0 0.0 0.0

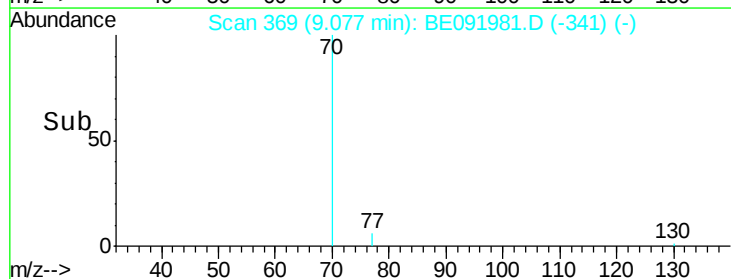
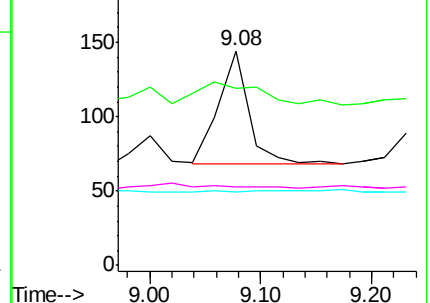


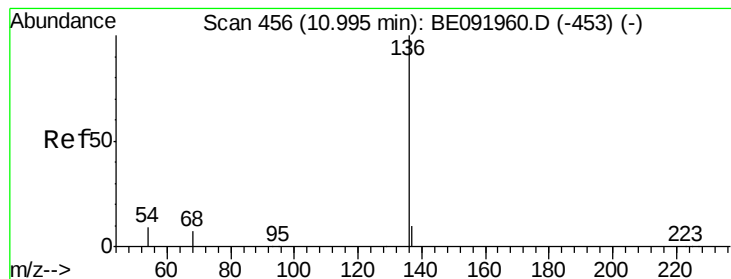
Abundance Ion 70.00 (69.70 to 70.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 101.00 (100.70 to 101.70): 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: BE091981.D

Acq: 6 Jul 2016 3:27

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160627

Tgt Ion: 136 Resp: 93431

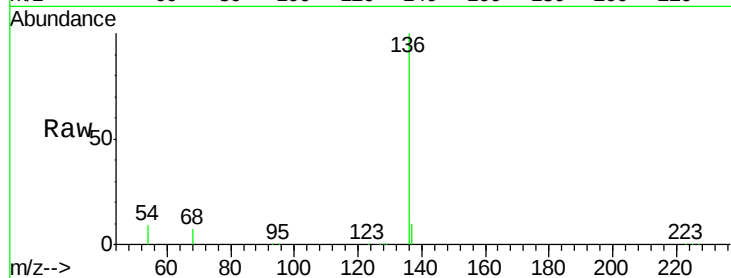
Ion Ratio Lower Upper

136 100

137 10.3 8.3 12.5

54 9.1 8.2 12.4

68 6.8 5.9 8.9

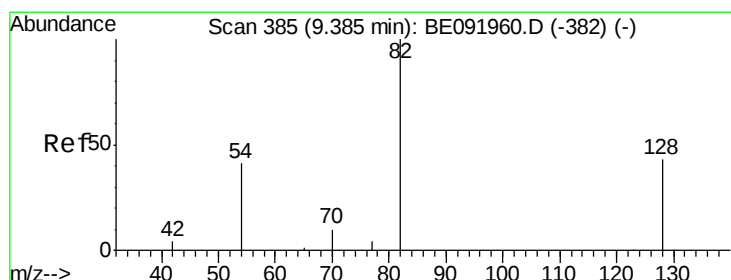
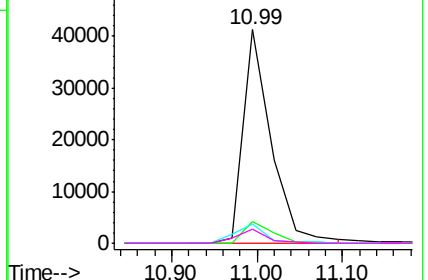
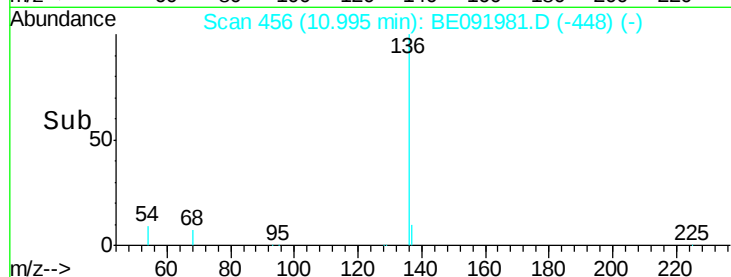


Abundance Ion 136.00 (135.70 to 136.70): E

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



#9

Nitrobenzene-d5

Concen: 2.44 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091981.D

Acq: 6 Jul 2016 3:27

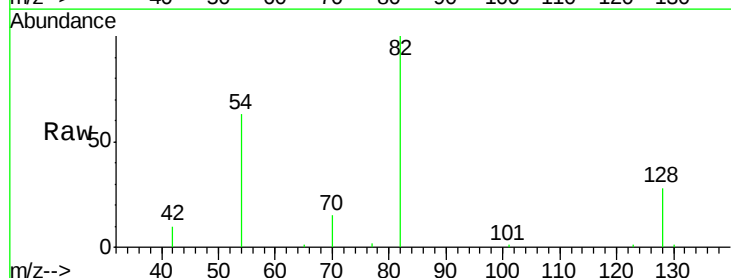
Tgt Ion: 82 Resp: 15536

Ion Ratio Lower Upper

82 100

128 27.9 39.5 59.3#

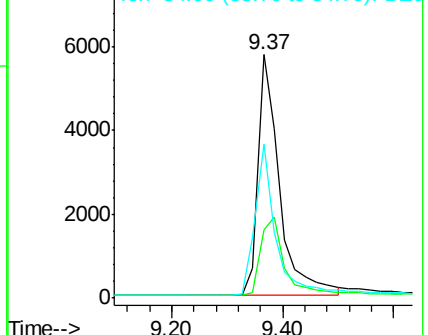
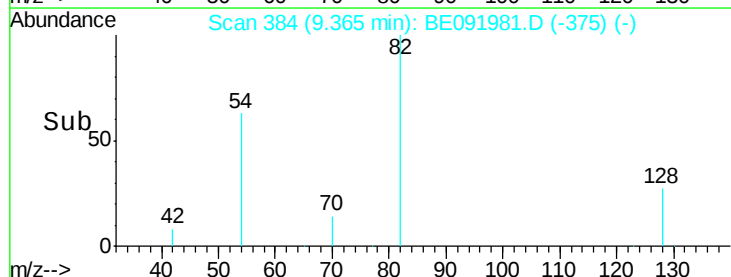
54 63.4 30.3 45.5#

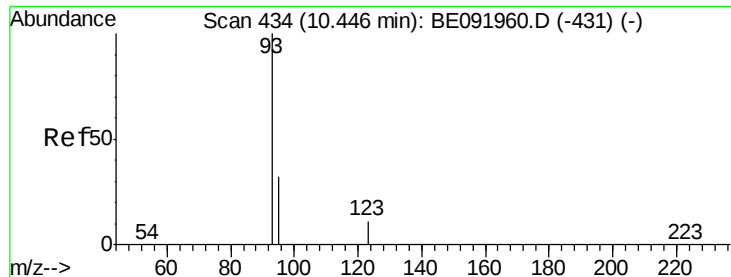


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

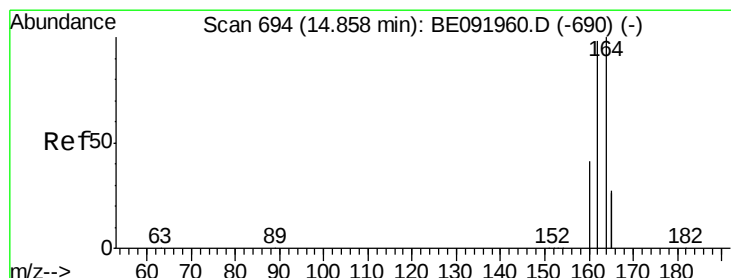
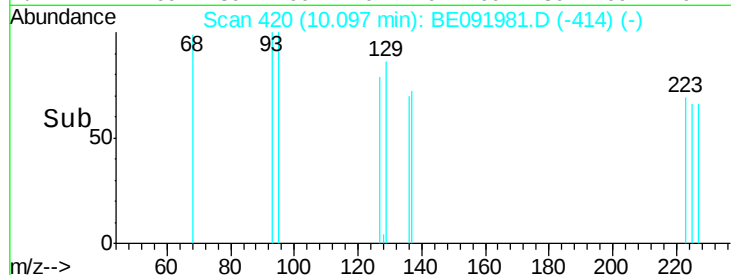
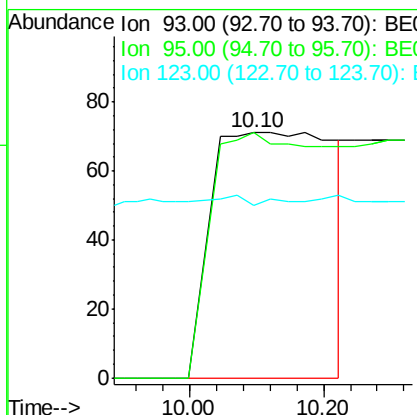
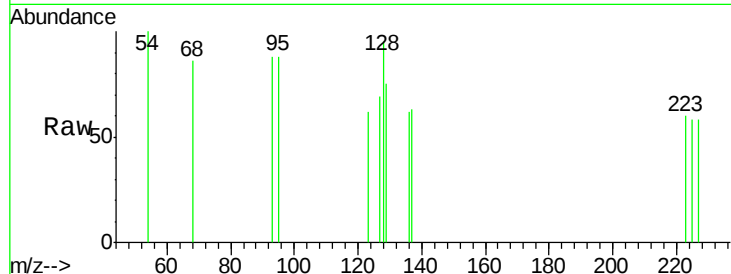




#11
bis(2-Chloroethoxy)methane
Concen: 0.12 ng
RT: 10.10 min Scan# 420
Delta R.T. -0.35 min
Lab File: BE091981.D
Acq: 6 Jul 2016 3:27

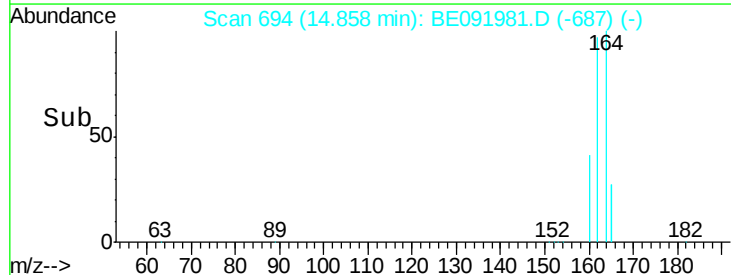
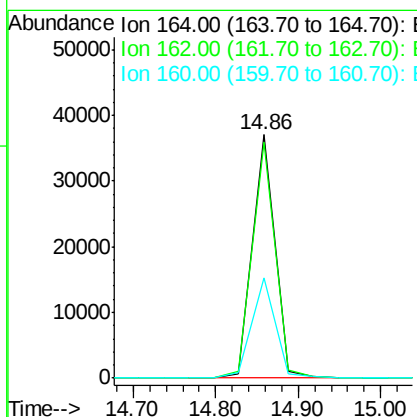
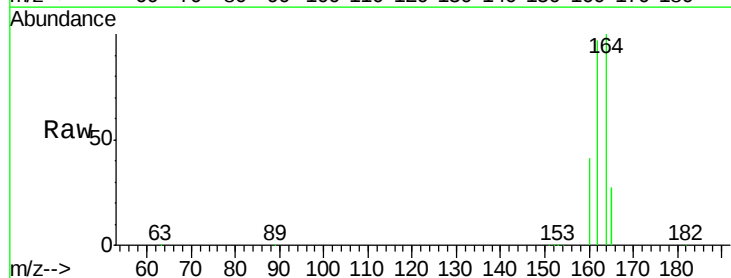
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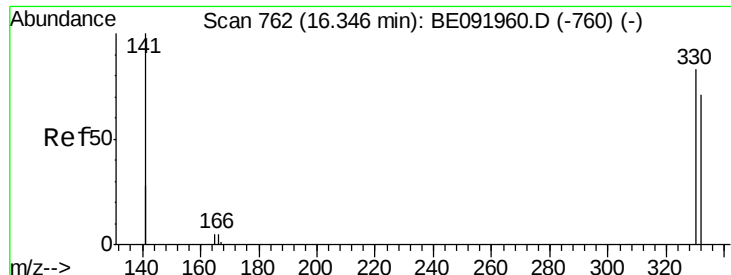
Tgt Ion: 93 Resp: 935
Ion Ratio Lower Upper
93 100
95 86.4 57.6 86.4#
123 0.0 100.2 150.4#



#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.00 min
Lab File: BE091981.D
Acq: 6 Jul 2016 3:27

Tgt Ion: 164 Resp: 70425
Ion Ratio Lower Upper
164 100
162 97.0 71.8 107.8
160 40.9 28.0 42.0

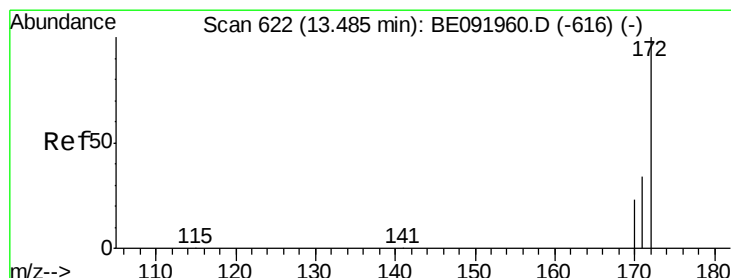
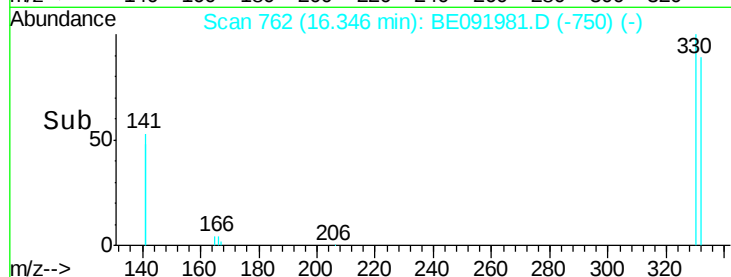
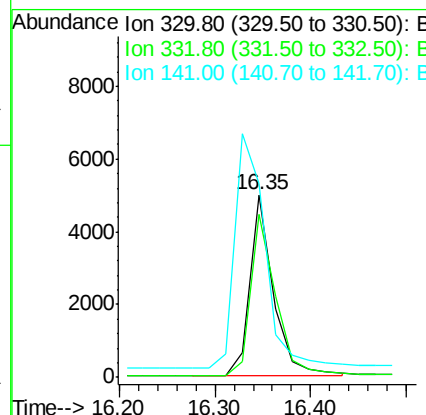
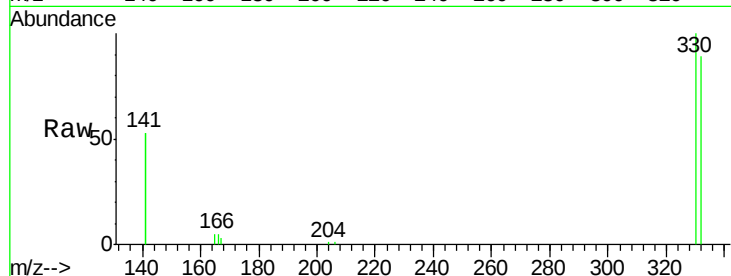




#16
 2,4,6-Tribromophenol
 Concen: 3.45 ng
 RT: 16.35 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE091981.D
 Acq: 6 Jul 2016 3:27

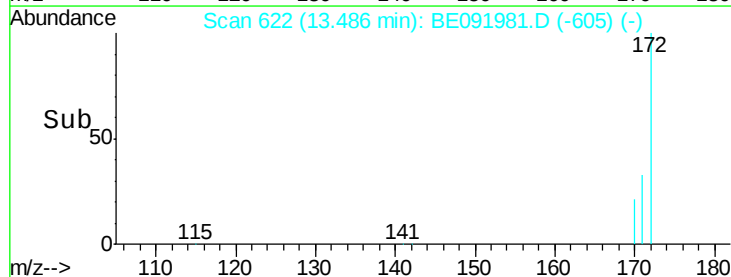
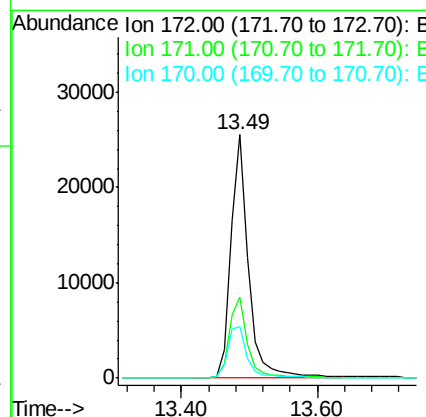
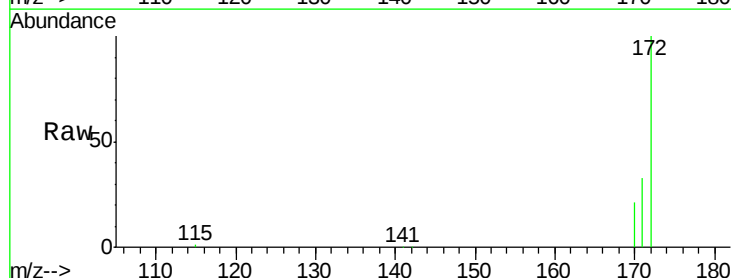
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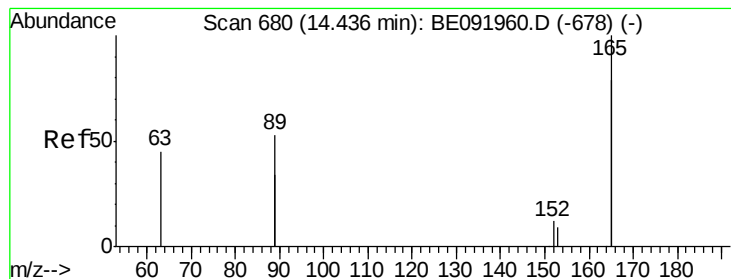
Tgt Ion:330 Resp: 8489
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.0 115.6
 141 165.7 138.4 207.6



#17
 2-Fluorobiphenyl
 Concen: 2.70 ng
 RT: 13.49 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BE091981.D
 Acq: 6 Jul 2016 3:27

Tgt Ion:172 Resp: 46402
 Ion Ratio Lower Upper
 172 100
 171 33.1 24.3 36.5
 170 21.1 14.9 22.3





#19

2,6-Dinitrotoluene

Concen: 0.25 ng

RT: 14.16 min Scan# 671

Delta R.T. -0.27 min

Lab File: BE091981.D

Acq: 6 Jul 2016 3:27

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160627

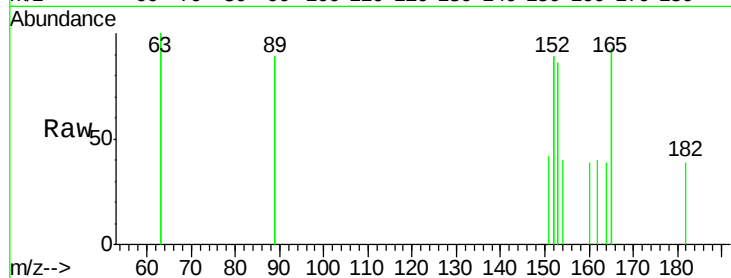
Tgt Ion:165 Resp: 2476

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

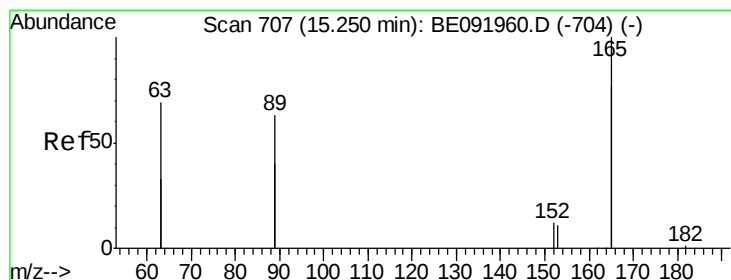
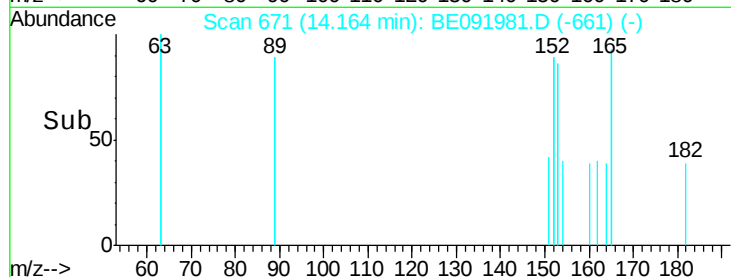
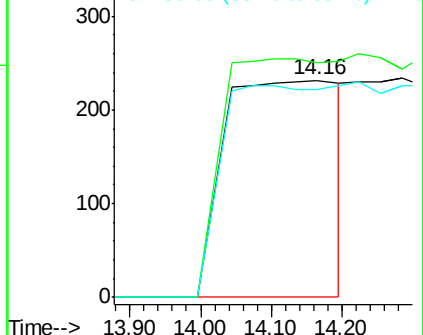
89 0.0 59.1 88.7#



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: 1.82 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.39 min

Lab File: BE091981.D

Acq: 6 Jul 2016 3:27

Tgt Ion:165 Resp: 38103

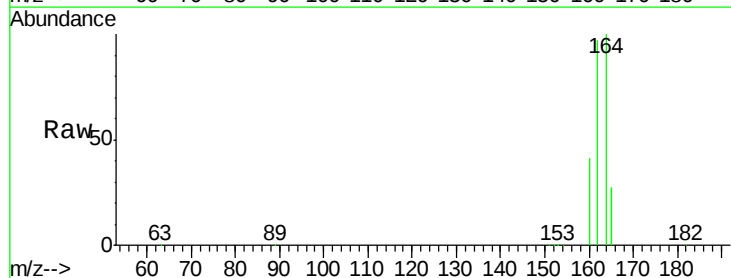
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 0.0 0.0 0.0

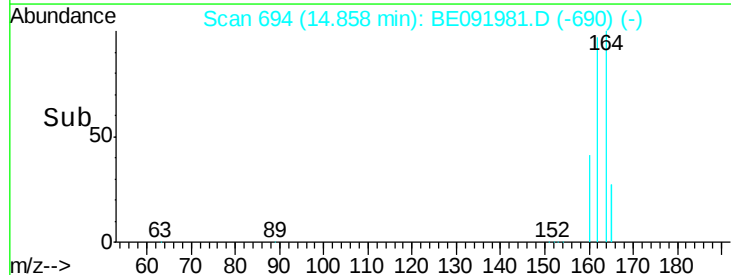
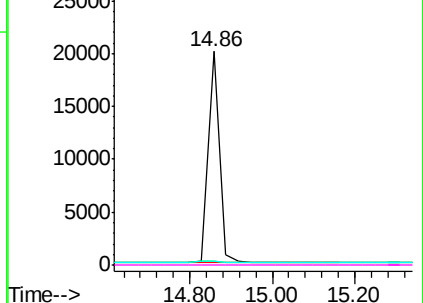


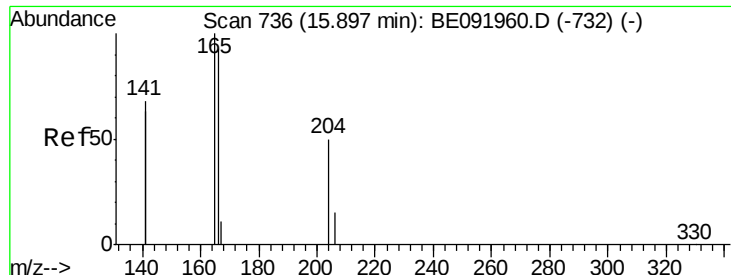
Abundance Ion 165.00 (164.70 to 165.70): E

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

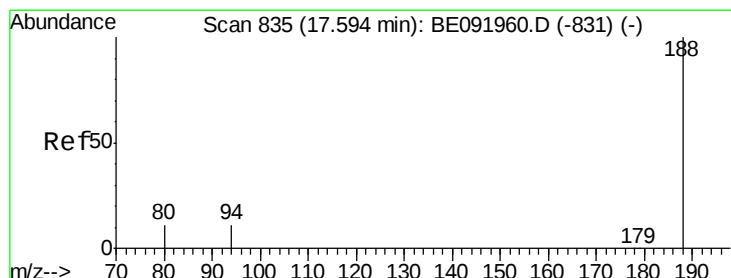
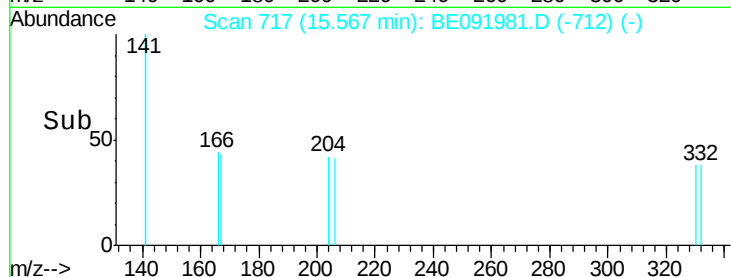
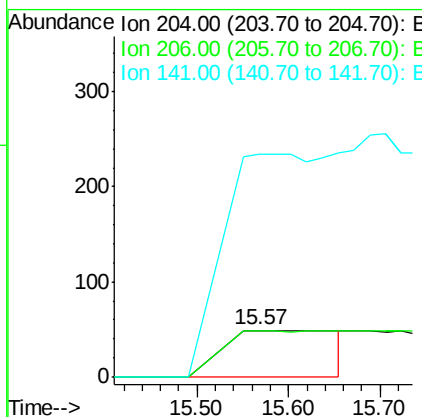
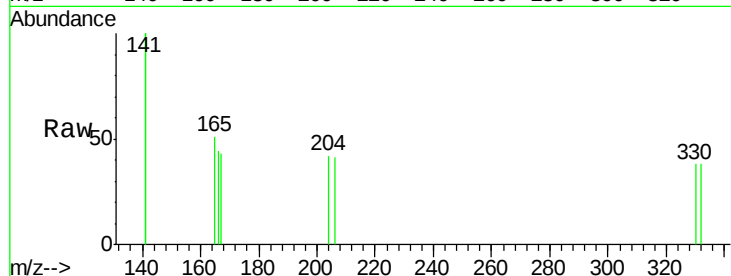




#23
 4-Chlorophenyl-phenylether
 Concen: 0.05 ng
 RT: 15.57 min Scan# 717
 Delta R.T. -0.33 min
 Lab File: BE091981.D
 Acq: 6 Jul 2016 3:27

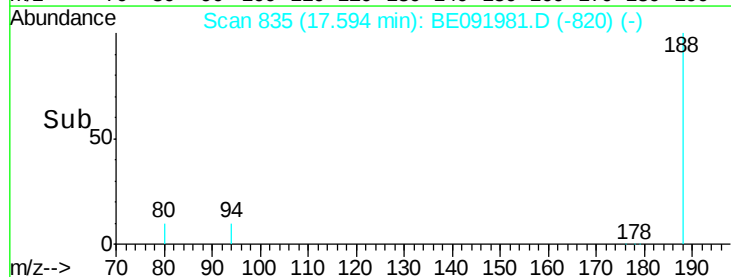
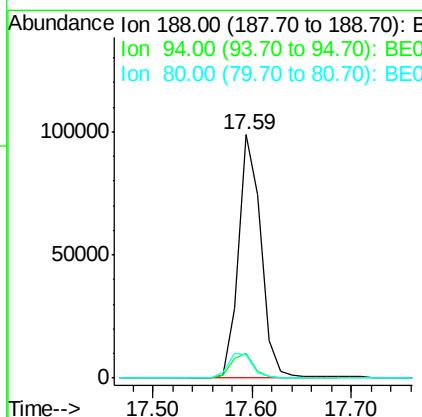
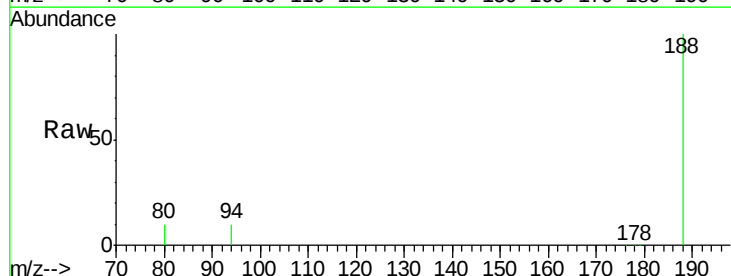
Instrument :
 BNA_E
 ClientSampleId :
 KY038PS038-160627

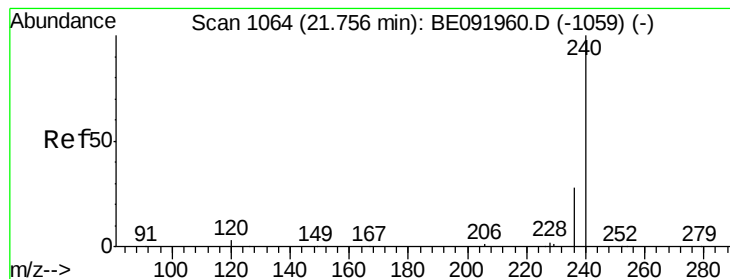
Tgt Ion: 204 Resp: 475
 Ion Ratio Lower Upper
 204 100
 206 67.6 27.8 41.6#
 141 376.0 197.6 296.4#



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.59 min Scan# 835
 Delta R.T. -0.00 min
 Lab File: BE091981.D
 Acq: 6 Jul 2016 3:27

Tgt Ion: 188 Resp: 155368
 Ion Ratio Lower Upper
 188 100
 94 10.2 4.1 6.1#
 80 9.9 3.4 5.2#





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BE091981.D

Acq: 6 Jul 2016 3:27

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160627

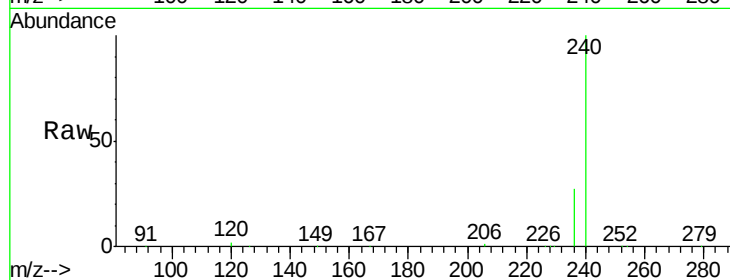
Tgt Ion:240 Resp: 294585

Ion Ratio Lower Upper

240 100

120 1.6 1.2 1.8

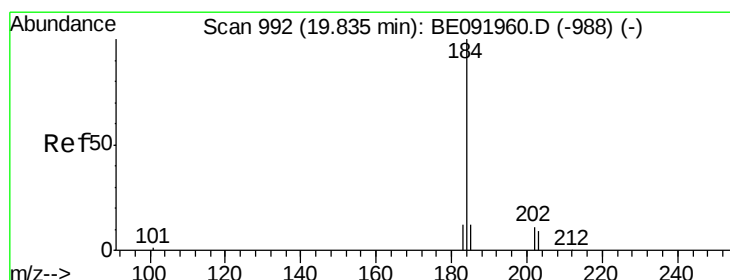
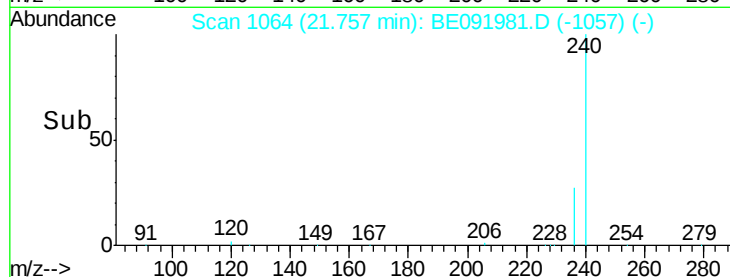
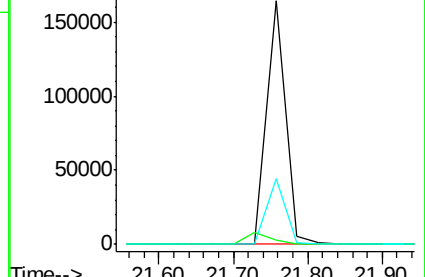
236 27.1 19.8 29.8



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: 0.31 ng

RT: 20.20 min Scan# 1008

Delta R.T. 0.36 min

Lab File: BE091981.D

Acq: 6 Jul 2016 3:27

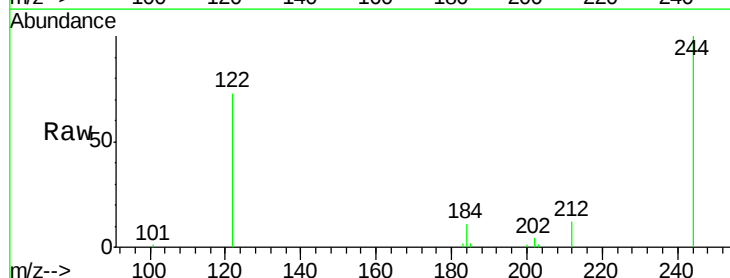
Tgt Ion:184 Resp: 2175

Ion Ratio Lower Upper

184 100

185 20.0 11.4 17.2#

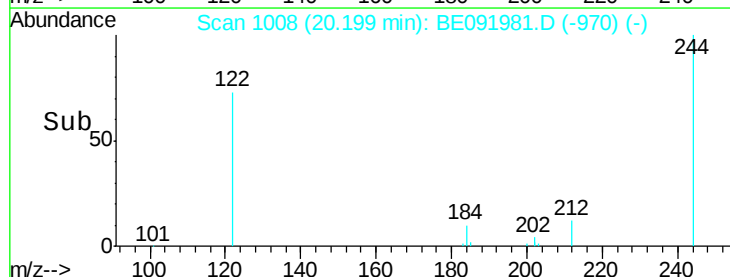
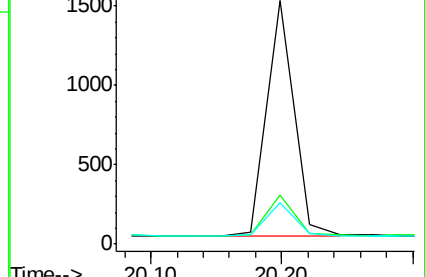
183 16.7 11.8 17.6

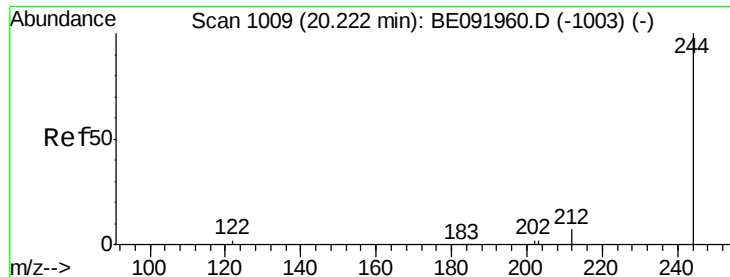


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#34

Terphenyl-d14

Concen: 2.95 ng

RT: 20.22 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE091981.D

Acq: 6 Jul 2016 3:27

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160627

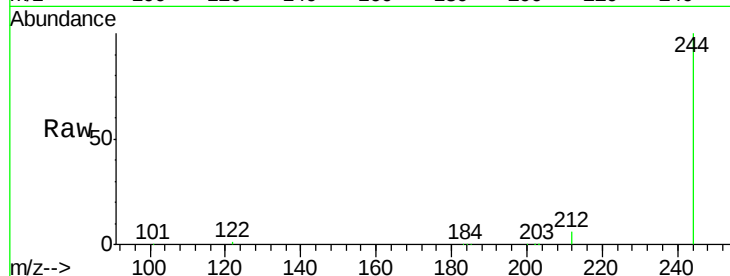
Tgt Ion:244 Resp: 102657

Ion Ratio Lower Upper

244 100

212 6.5 6.5 9.7#

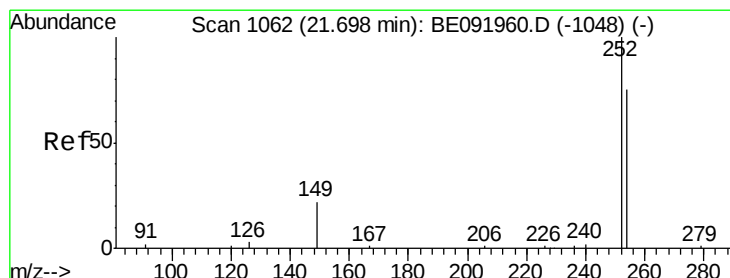
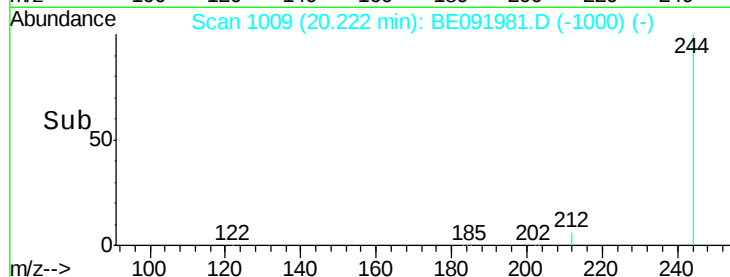
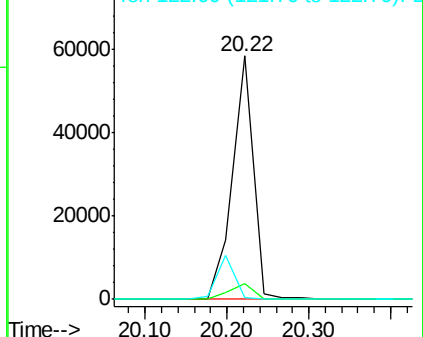
122 0.6 2.9 4.3#



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: 21.70 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BE091981.D

Acq: 6 Jul 2016 3:27

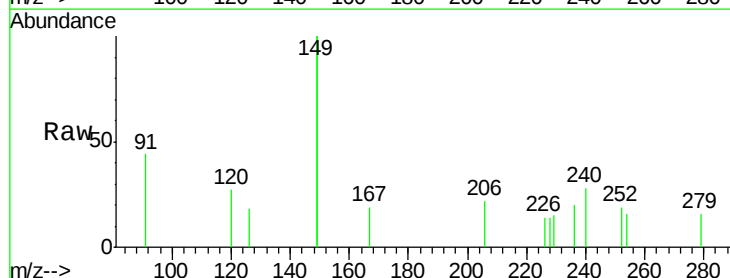
Tgt Ion:252 Resp: 26

Ion Ratio Lower Upper

252 100

254 83.8 61.5 92.3

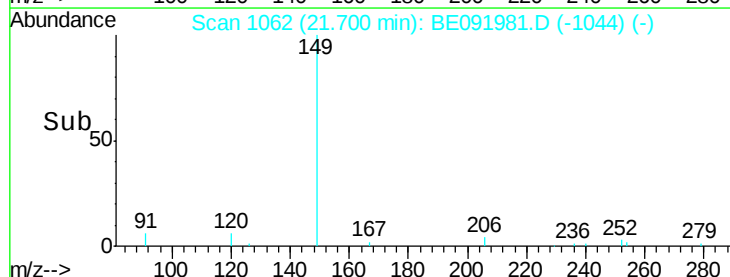
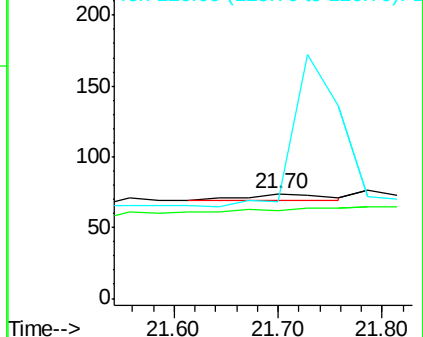
126 91.9 2.5 3.7#

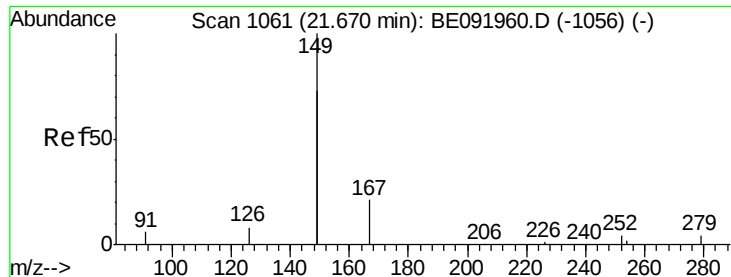


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#38

Bis(2-ethylhexyl)phthalate

Concen: 0.13 ng

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091981.D

Acq: 6 Jul 2016 3:27

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160627

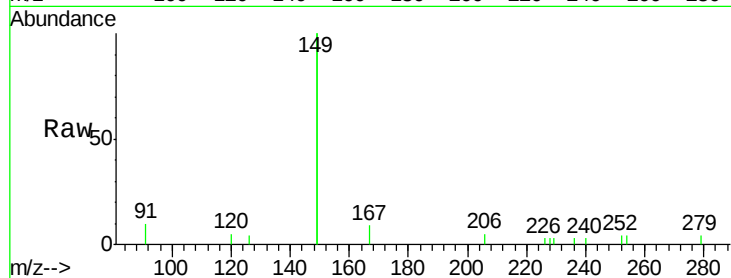
Tgt Ion:149 Resp: 7413

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

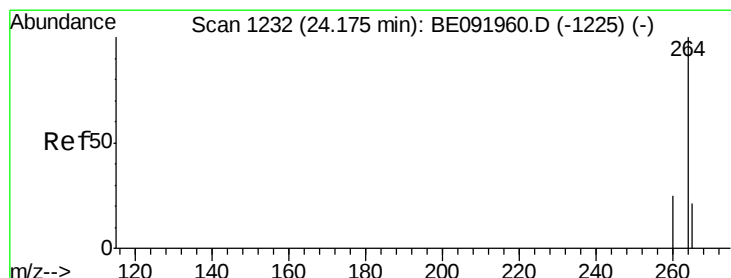
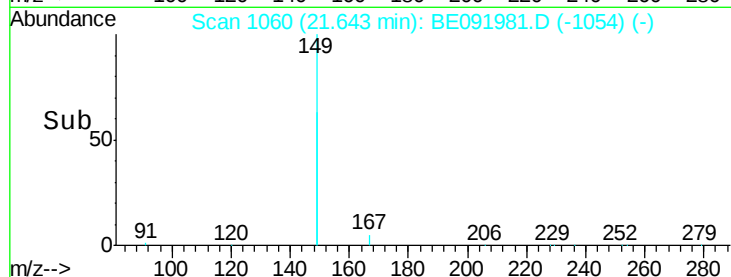
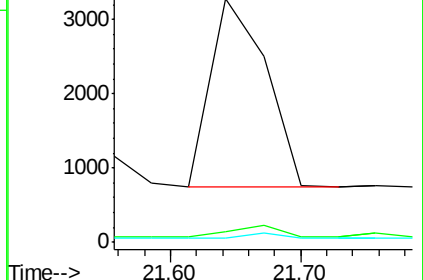
279 0.0 0.0 0.0



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: 24.17 min Scan# 1231

Delta R.T. -0.00 min

Lab File: BE091981.D

Acq: 6 Jul 2016 3:27

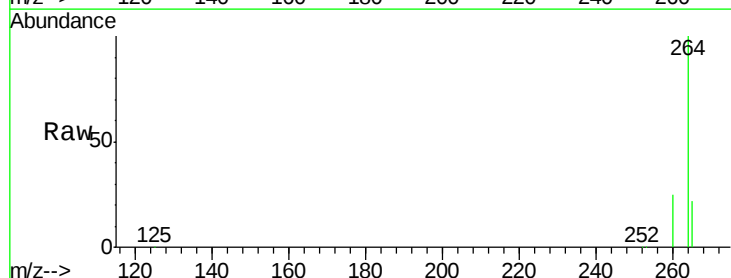
Tgt Ion:264 Resp: 213981

Ion Ratio Lower Upper

264 100

260 24.8 20.3 30.5

265 21.6 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

