

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070516\
 Data File : BE091974.D
 Acq On : 5 Jul 2016 23:01
 Operator : UM/SJ
 Sample : PB91545BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91545BL

Quant Time: Jul 06 05:54:02 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	21895	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	96148	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	73060	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	162244	5.00	ng	0.00
31) Chrysene-d12	21.76	240	294734	5.00	ng	0.00
40) Perylene-d12	24.18	264	224800	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	34809	6.65	ng	0.00
5) Phenol-d6	7.35	99	45321	6.23	ng	-0.02
9) Nitrobenzene-d5	9.36	82	24663	3.77	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	12594	4.87	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	65435	3.67	ng	0.00
34) Terphenyl-d14	20.22	244	111094	3.20	ng	0.00

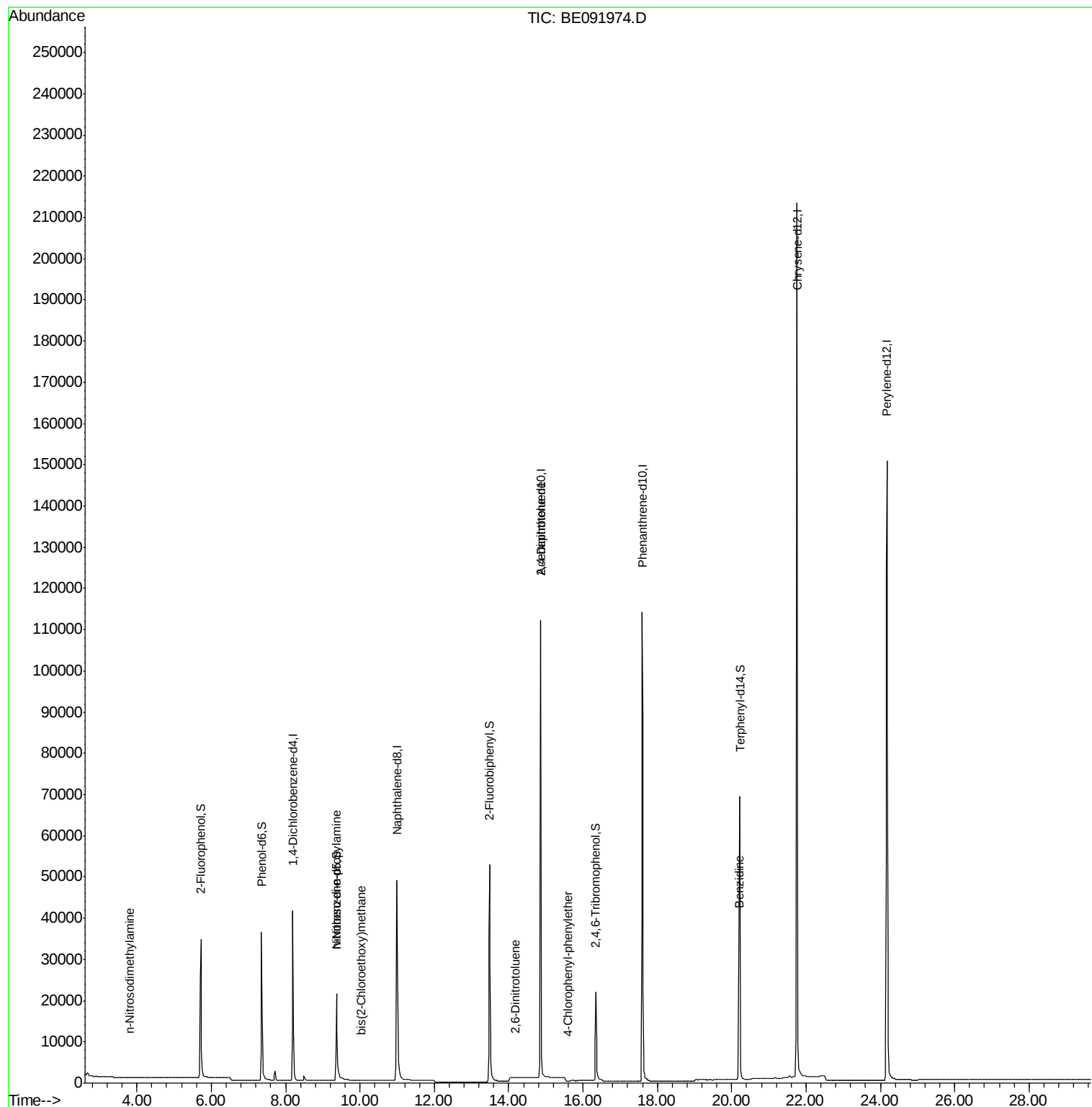
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.82	42	31	0.04	ng	# 1
7) n-Nitroso-di-n-propylamine	9.36	70	3096	0.51	ng	# 87
11) bis(2-Chloroethoxy)methane	10.05	93	492	0.06	ng	# 12
19) 2,6-Dinitrotoluene	14.17	165	3646	0.30	ng	# 10
21) 2,4-Dinitrotoluene	14.86	165	37542	1.74	ng	# 1
23) 4-Chlorophenyl-phenylether	15.58	204	417	0.04	ng	# 1
32) Benzidine	20.20	184	2504	0.32	ng	# 92
36) 3,3'-Dichlorobenzidine	21.76	252	74	Below Cal		# 73

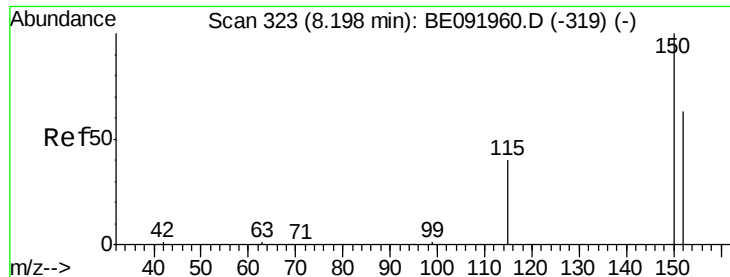
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091974.D

Acq: 5 Jul 2016 23:01

Instrument :

BNA_E

ClientSampled :

PB91545BL

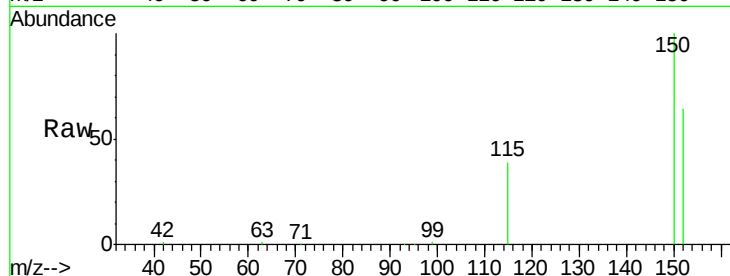
Tgt Ion:152 Resp: 21895

Ion Ratio Lower Upper

152 100

150 156.0 123.9 185.9

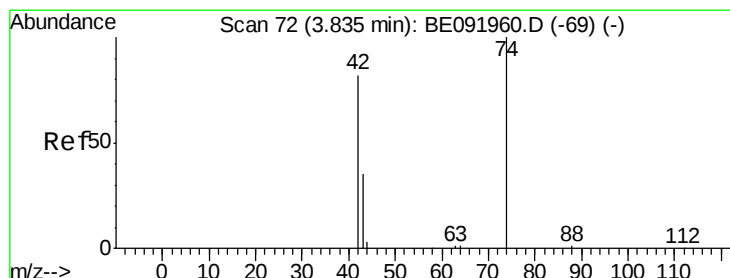
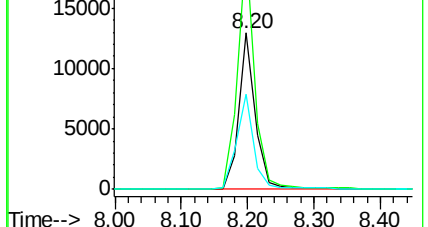
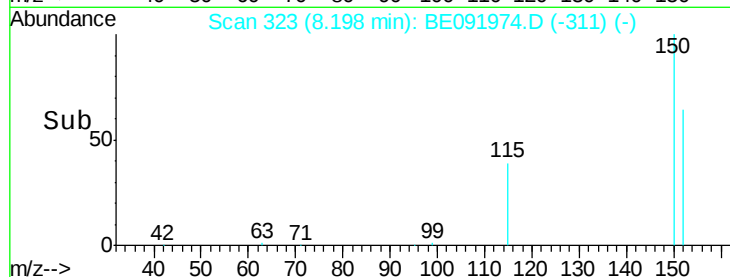
115 61.1 48.3 72.5



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



#3

n-Nitrosodimethylamine

Concen: 0.04 ng

RT: 3.82 min Scan# 71

Delta R.T. -0.02 min

Lab File: BE091974.D

Acq: 5 Jul 2016 23:01

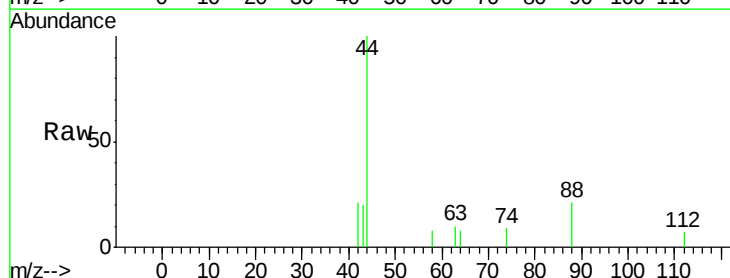
Tgt Ion: 42 Resp: 31

Ion Ratio Lower Upper

42 100

74 0.0 93.4 140.0#

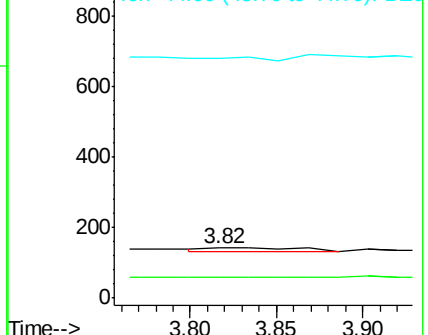
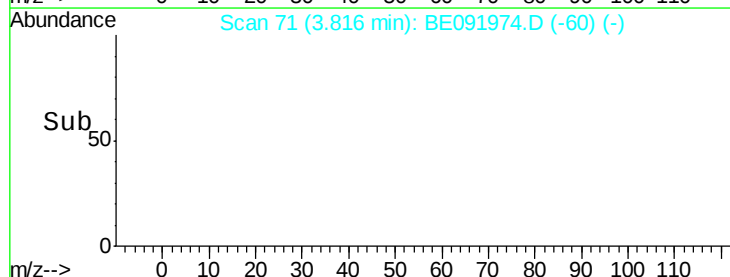
44 0.0 5.0 7.6#

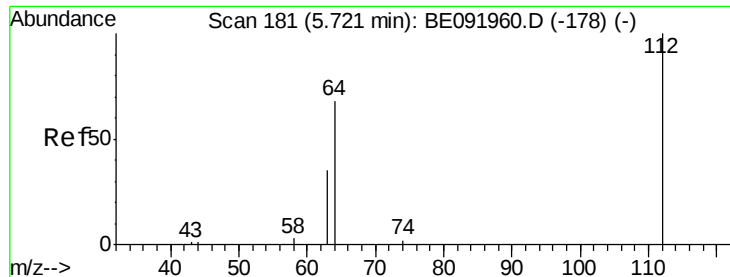


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 6.65 ng

RT: 5.72 min Scan# 181

Delta R.T. -0.00 min

Lab File: BE091974.D

Acq: 5 Jul 2016 23:01

Instrument :

BNA_E

ClientSampleId :

PB91545BL

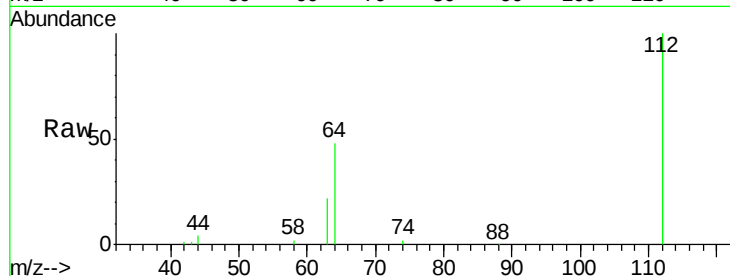
Tgt Ion: 112 Resp: 34809

Ion Ratio Lower Upper

112 100

64 66.9 53.7 80.5

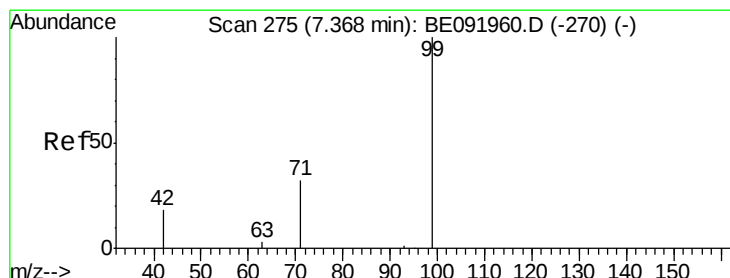
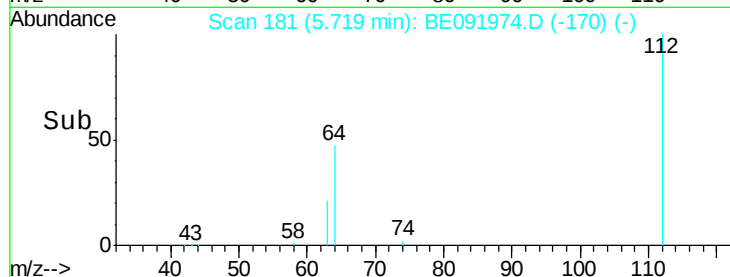
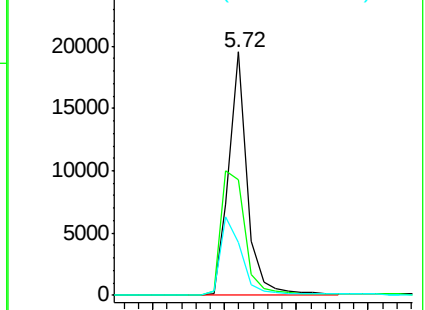
63 36.1 29.5 44.3



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: 6.23 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE091974.D

Acq: 5 Jul 2016 23:01

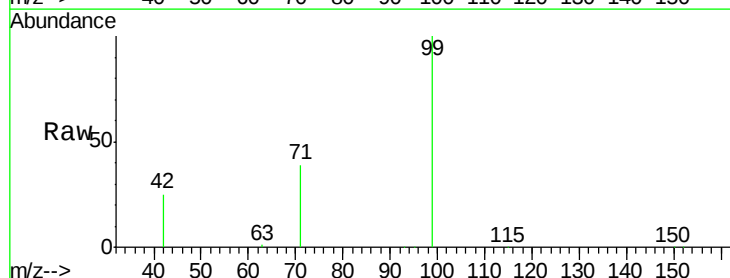
Tgt Ion: 99 Resp: 45321

Ion Ratio Lower Upper

99 100

42 24.4 19.6 29.4

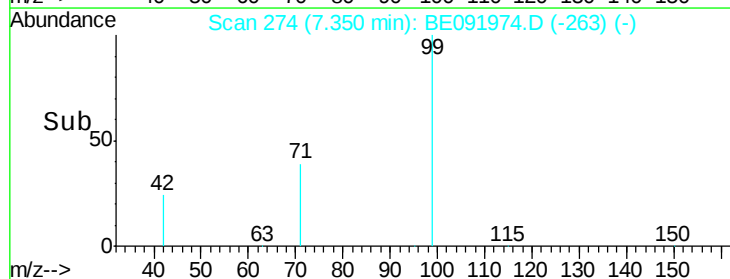
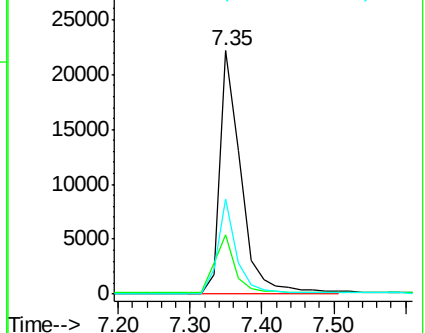
71 35.2 28.1 42.1

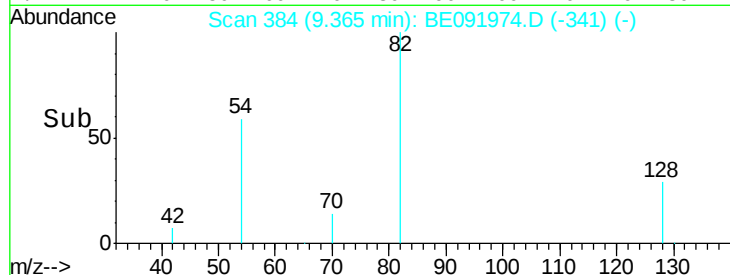
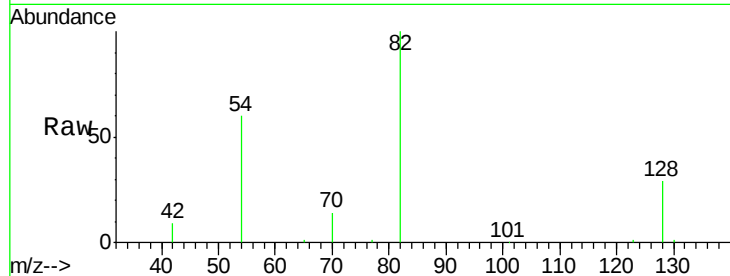
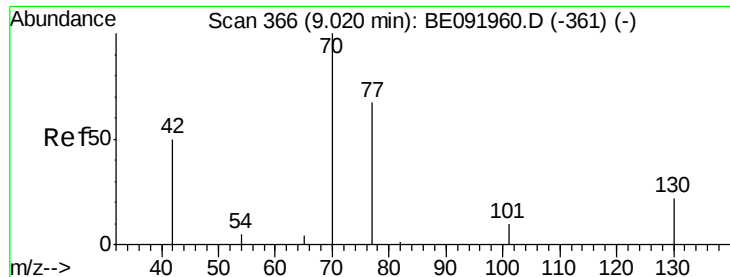


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 0.51 ng

RT: 9.36 min Scan# 384

Delta R.T. 0.34 min

Lab File: BE091974.D

Acq: 5 Jul 2016 23:01

Instrument :

BNA_E

ClientSampleId :

PB91545BL

Tgt Ion: 70 Resp: 3096

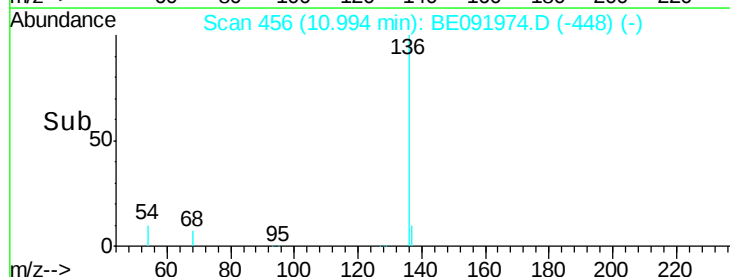
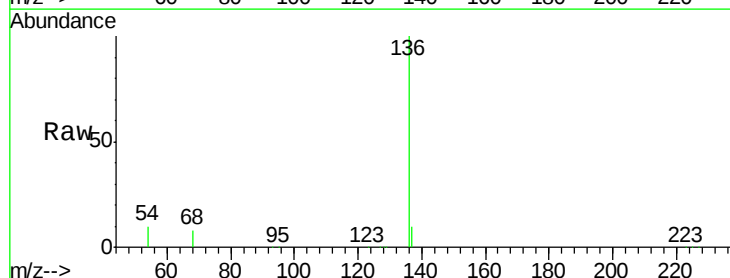
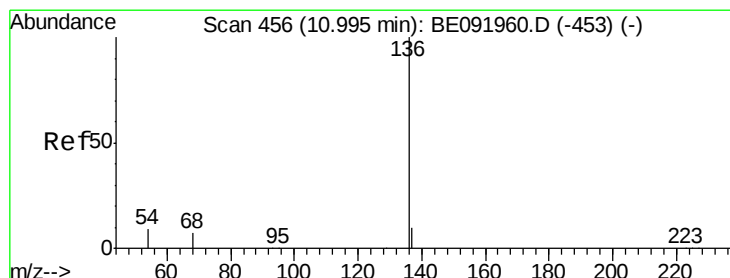
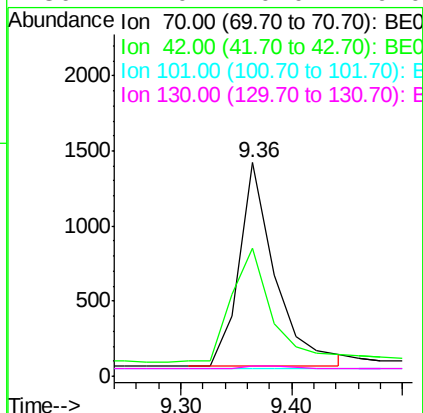
Ion Ratio Lower Upper

70 100

42 62.7 58.4 87.6

101 0.0 6.4 9.6#

130 2.0 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: BE091974.D

Acq: 5 Jul 2016 23:01

Tgt Ion: 136 Resp: 96148

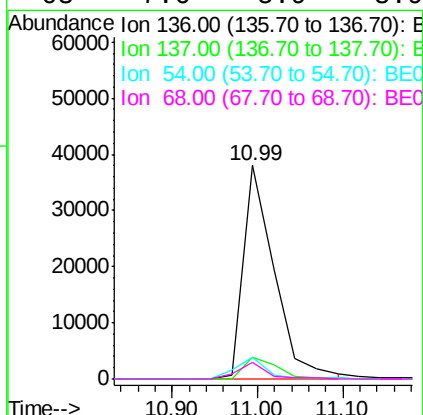
Ion Ratio Lower Upper

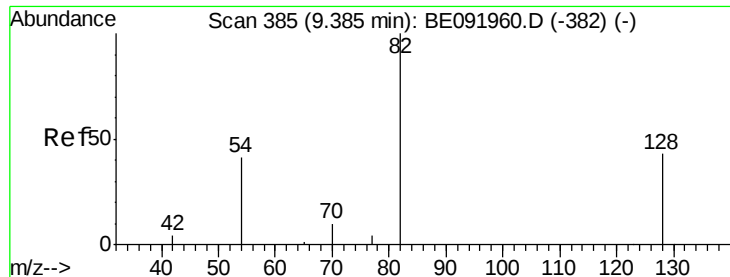
136 100

137 10.1 8.3 12.5

54 10.4 8.2 12.4

68 7.6 5.9 8.9





#9

Nitrobenzene-d5

Concen: 3.77 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091974.D

Acq: 5 Jul 2016 23:01

Instrument :

BNA_E

ClientSampleId :

PB91545BL

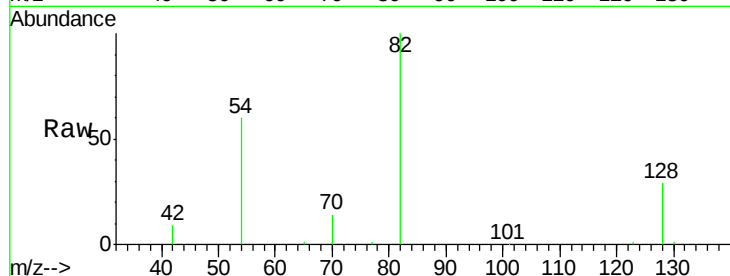
Tgt Ion: 82 Resp: 24663

Ion Ratio Lower Upper

82 100

128 29.2 39.5 59.3#

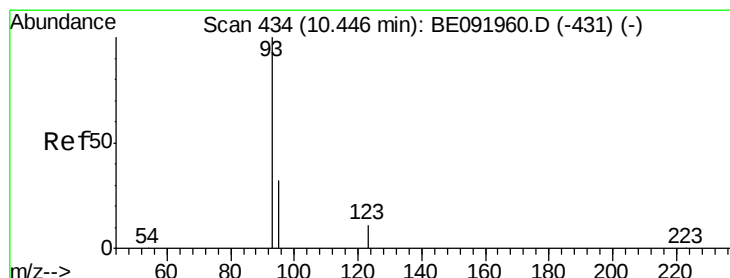
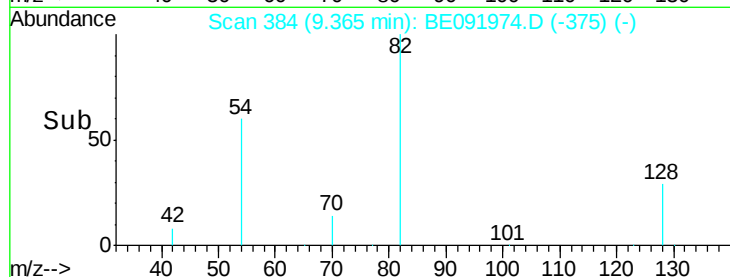
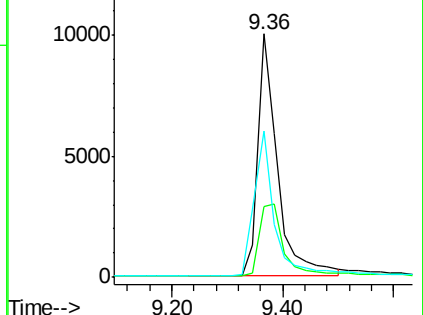
54 60.3 30.3 45.5#



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



#11

bis(2-Chloroethoxy)methane

Concen: 0.06 ng

RT: 10.05 min Scan# 418

Delta R.T. -0.40 min

Lab File: BE091974.D

Acq: 5 Jul 2016 23:01

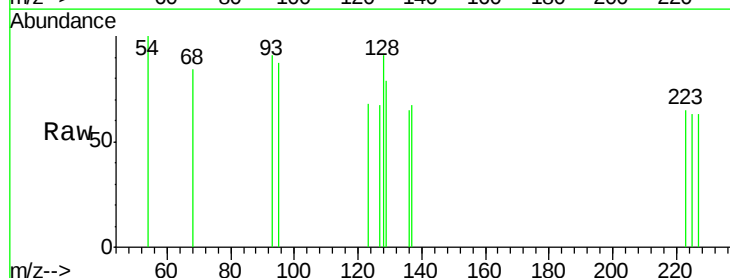
Tgt Ion: 93 Resp: 492

Ion Ratio Lower Upper

93 100

95 115.2 57.6 86.4#

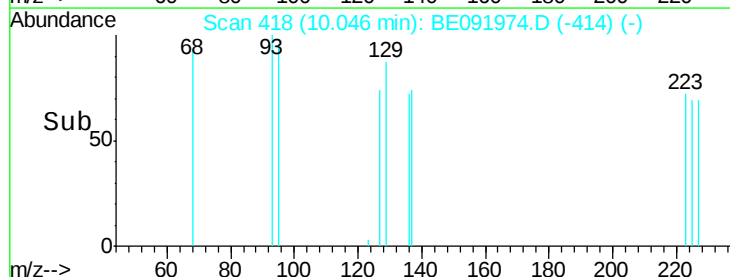
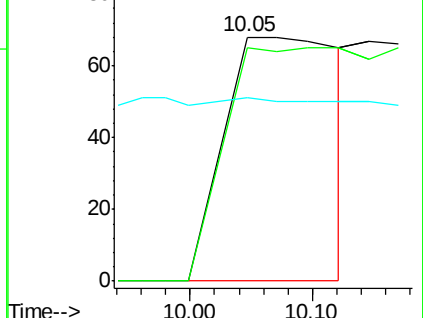
123 2.0 100.2 150.4#

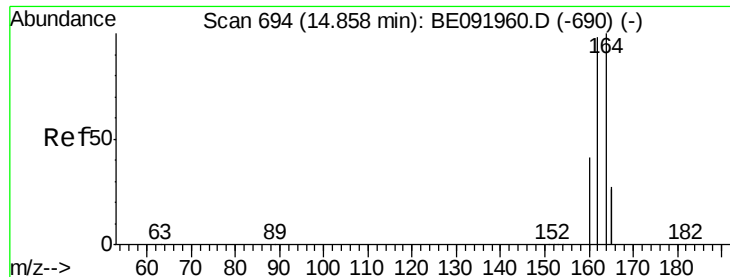


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

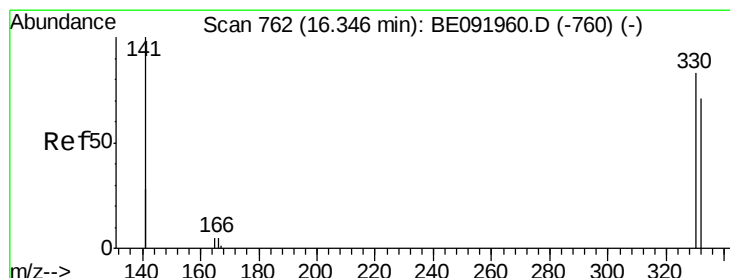
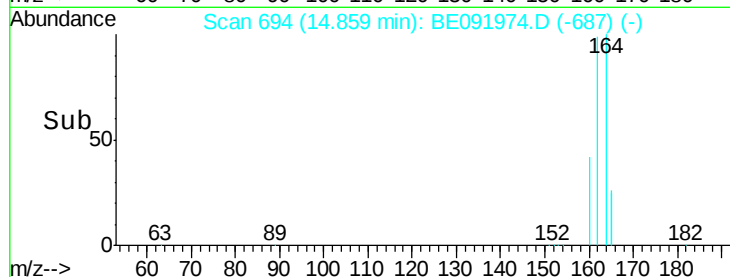
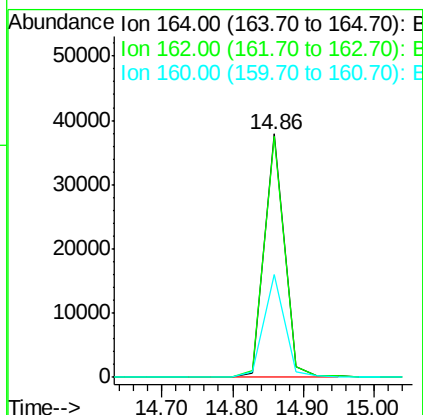
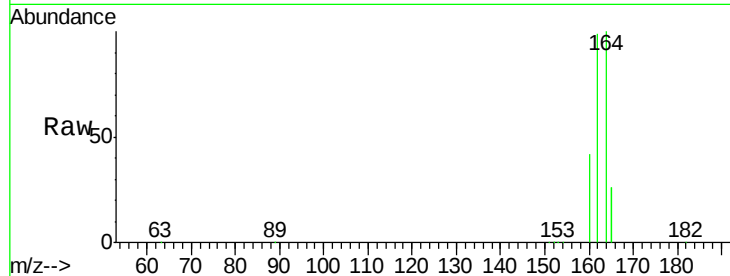




#15
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.86 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: BE091974.D
 Acq: 5 Jul 2016 23:01

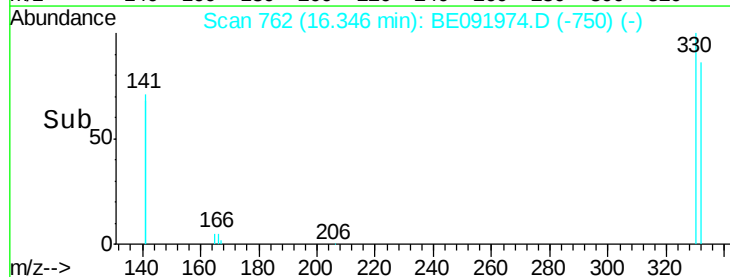
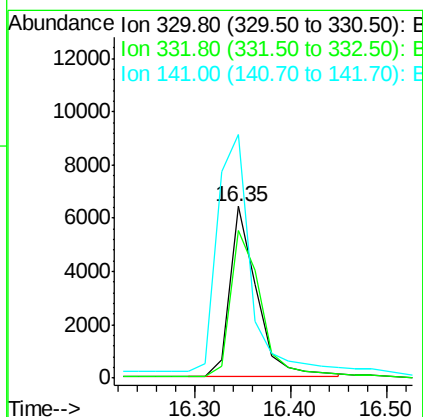
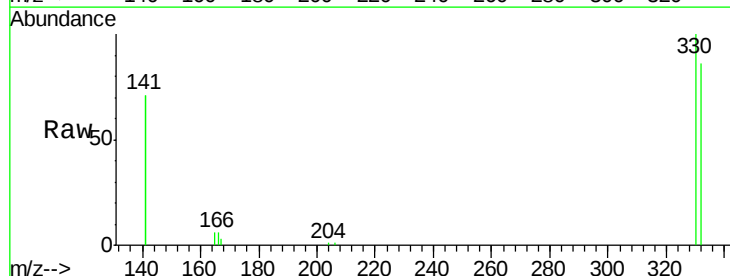
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 PB91545BL

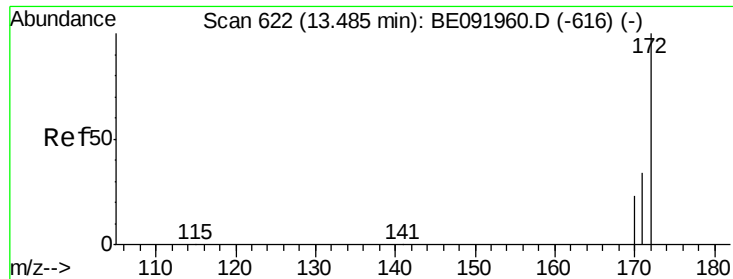
Tgt Ion:164 Resp: 73060
 Ion Ratio Lower Upper
 164 100
 162 99.2 71.8 107.8
 160 42.2 28.0 42.0#



#16
 2,4,6-Tribromophenol
 Concen: 4.87 ng
 RT: 16.35 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE091974.D
 Acq: 5 Jul 2016 23:01

Tgt Ion:330 Resp: 12594
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 168.3 138.4 207.6

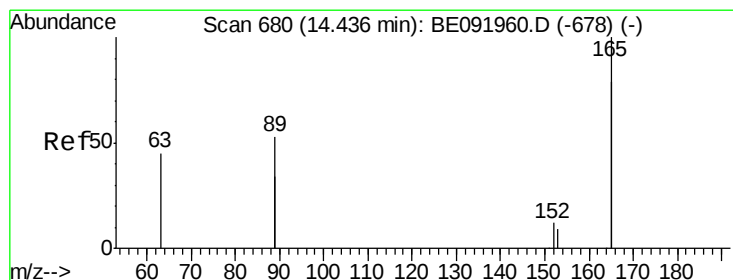
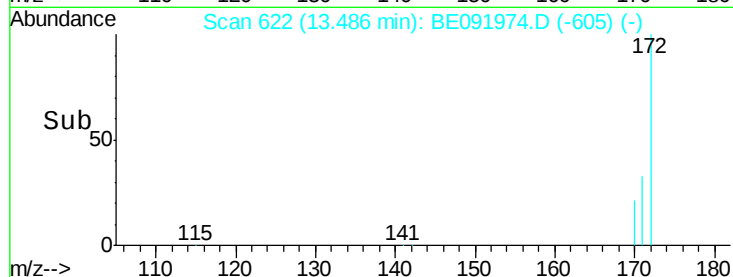
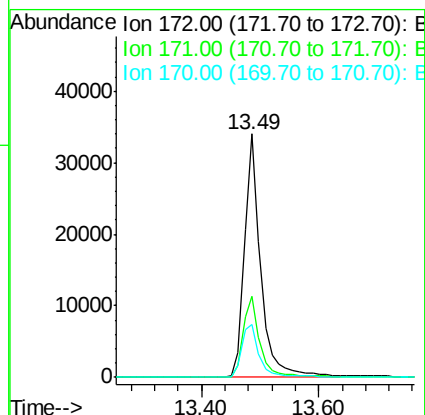
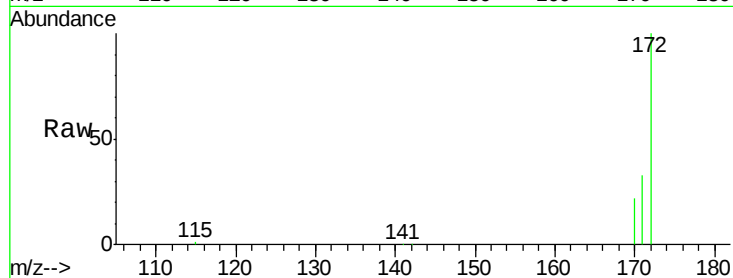




#17
 2-Fluorobiphenyl
 Concen: 3.67 ng
 RT: 13.49 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BE091974.D
 Acq: 5 Jul 2016 23:01

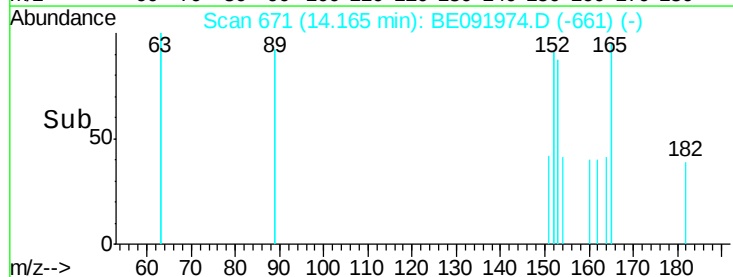
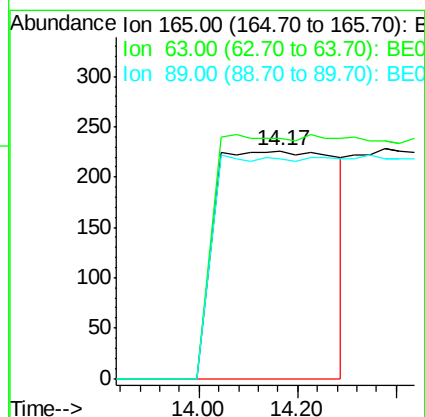
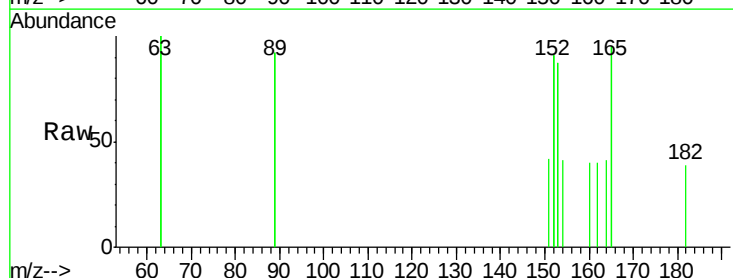
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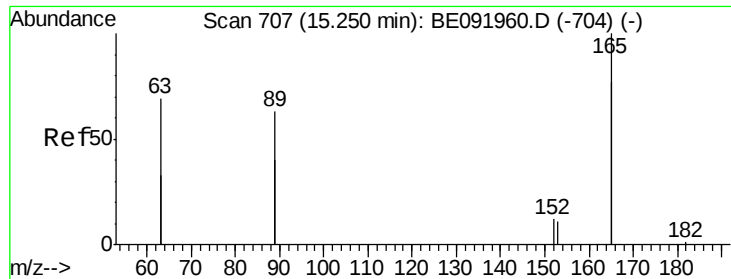
Tgt Ion:172 Resp: 65435
 Ion Ratio Lower Upper
 172 100
 171 33.3 24.3 36.5
 170 21.6 14.9 22.3



#19
 2,6-Dinitrotoluene
 Concen: 0.30 ng
 RT: 14.17 min Scan# 671
 Delta R.T. -0.27 min
 Lab File: BE091974.D
 Acq: 5 Jul 2016 23:01

Tgt Ion:165 Resp: 3646
 Ion Ratio Lower Upper
 165 100
 63 0.0 65.9 98.9#
 89 0.0 59.1 88.7#





#21

2,4-Dinitrotoluene

Concen: 1.74 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.39 min

Lab File: BE091974.D

Acq: 5 Jul 2016 23:01

Instrument :

BNA_E

ClientSampleId :

PB91545BL

Tgt Ion:165 Resp: 37542

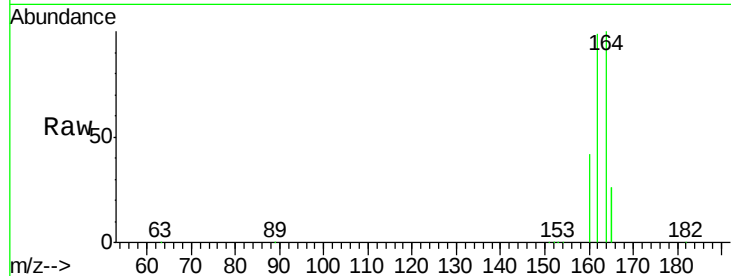
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 0.0 0.0 0.0

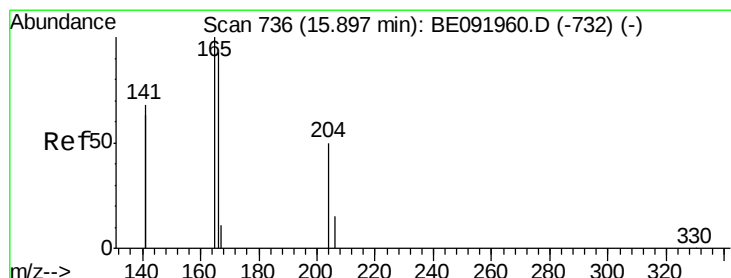
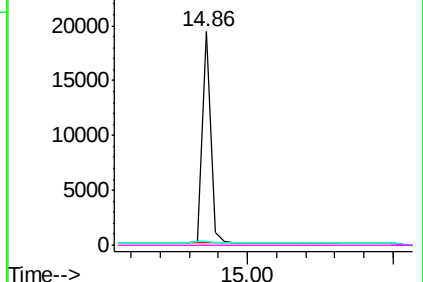
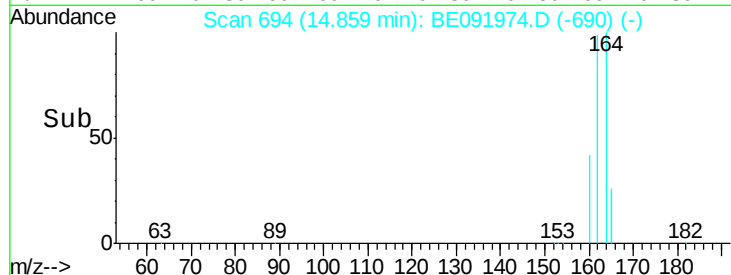


Abundance Ion 165.00 (164.70 to 165.70): E

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: 15.58 min Scan# 718

Delta R.T. -0.31 min

Lab File: BE091974.D

Acq: 5 Jul 2016 23:01

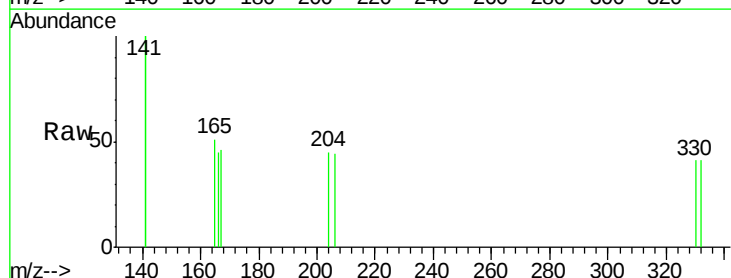
Tgt Ion:204 Resp: 417

Ion Ratio Lower Upper

204 100

206 0.0 27.8 41.6#

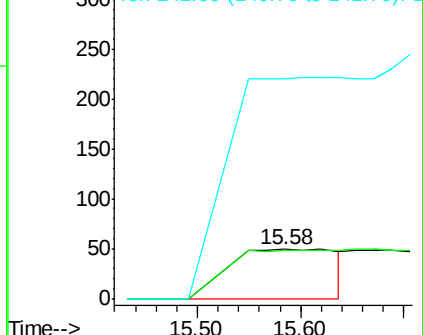
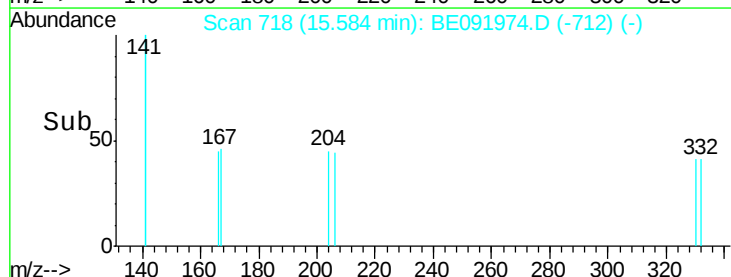
141 513.7 197.6 296.4#

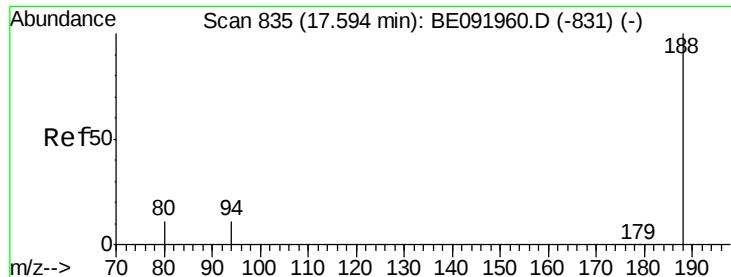


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

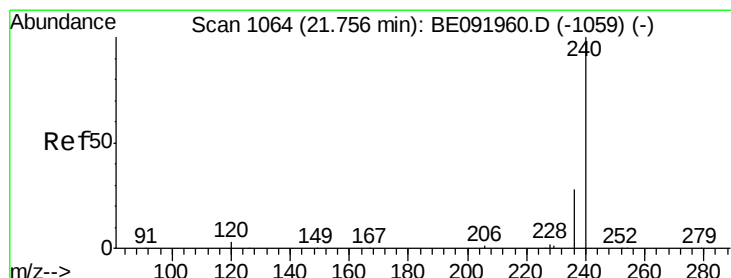
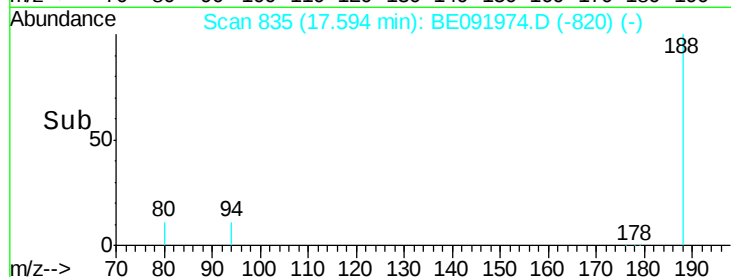
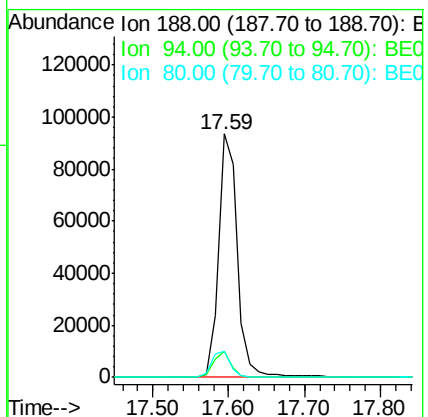
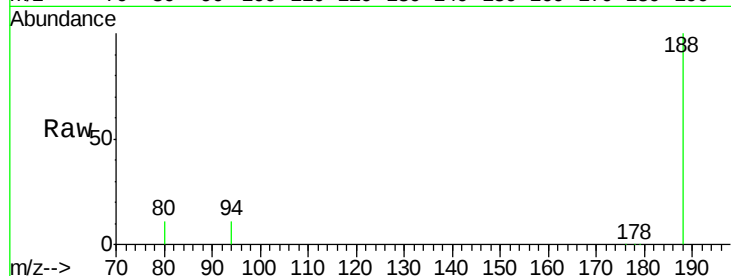




#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.59 min Scan# 835
Delta R.T. -0.00 min
Lab File: BE091974.D
Acq: 5 Jul 2016 23:01

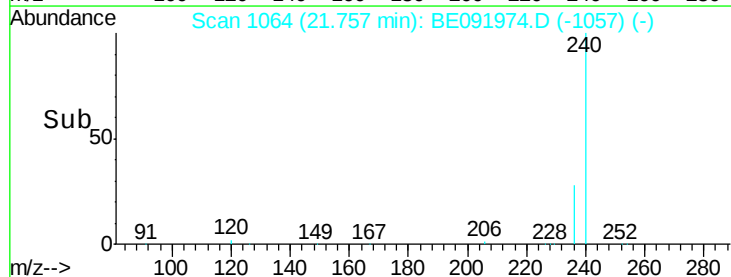
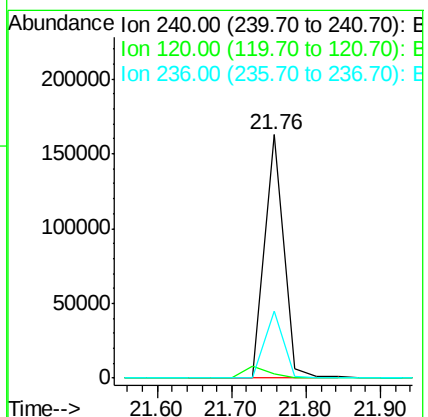
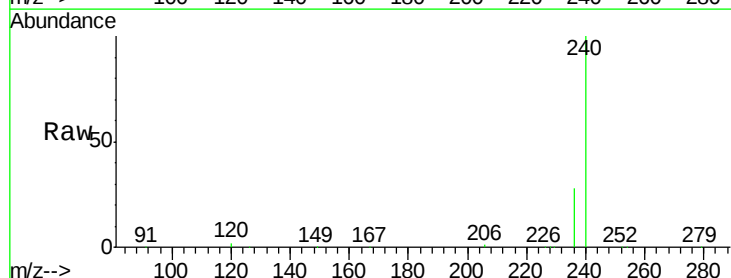
Instrument :
BNA_E
ClientSampleId :
PB91545BL

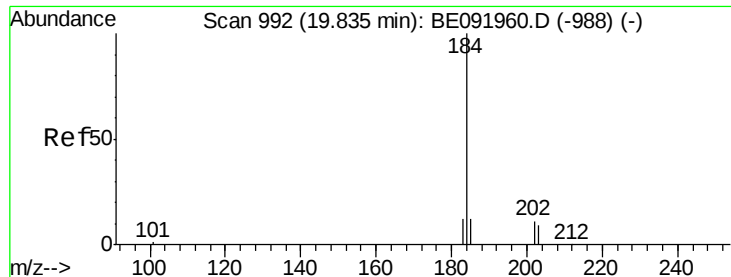
Tgt Ion:188 Resp: 162244
Ion Ratio Lower Upper
188 100
94 10.9 4.1 6.1#
80 10.9 3.4 5.2#



#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BE091974.D
Acq: 5 Jul 2016 23:01

Tgt Ion:240 Resp: 294734
Ion Ratio Lower Upper
240 100
120 1.8 1.2 1.8#
236 27.6 19.8 29.8





#32

Benzidine

Concen: 0.32 ng

RT: 20.20 min Scan# 1008

Delta R.T. 0.36 min

Lab File: BE091974.D

Acq: 5 Jul 2016 23:01

Instrument :

BNA_E

ClientSampleId :

PB91545BL

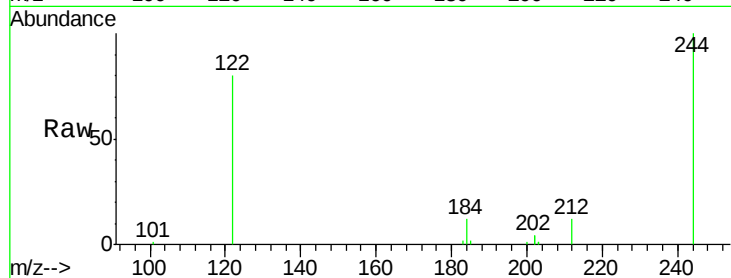
Tgt Ion:184 Resp: 2504

Ion Ratio Lower Upper

184 100

185 19.2 11.4 17.2#

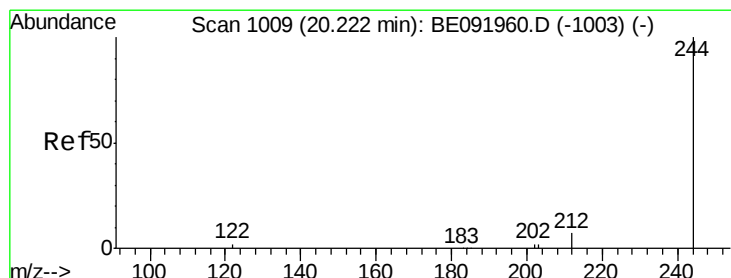
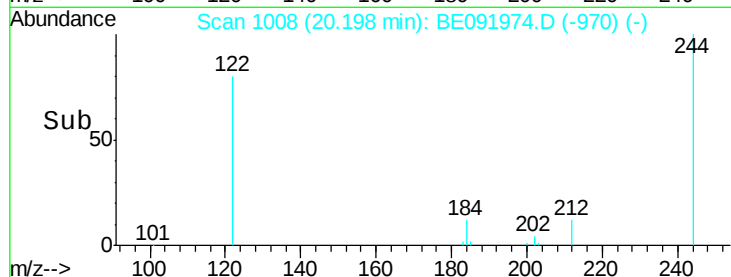
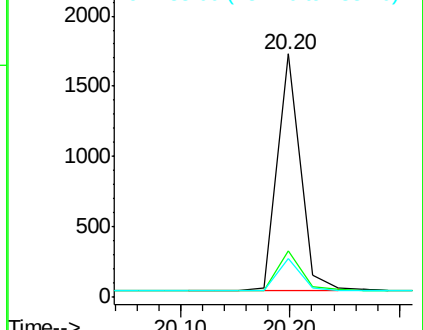
183 16.2 11.8 17.6



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: 3.20 ng

RT: 20.22 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE091974.D

Acq: 5 Jul 2016 23:01

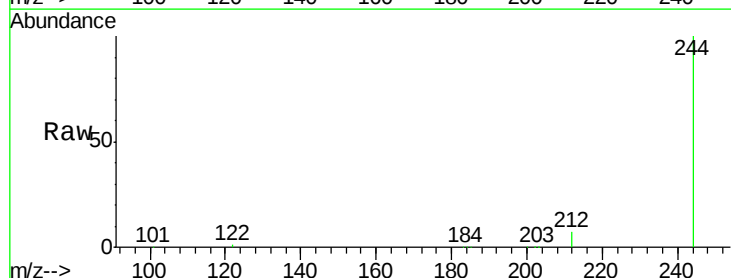
Tgt Ion:244 Resp: 111094

Ion Ratio Lower Upper

244 100

212 6.7 6.5 9.7

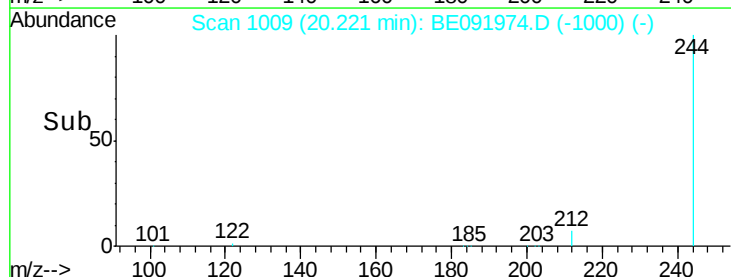
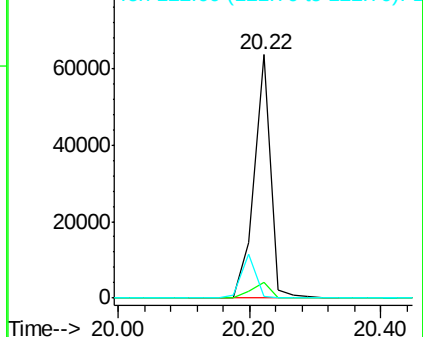
122 0.8 2.9 4.3#

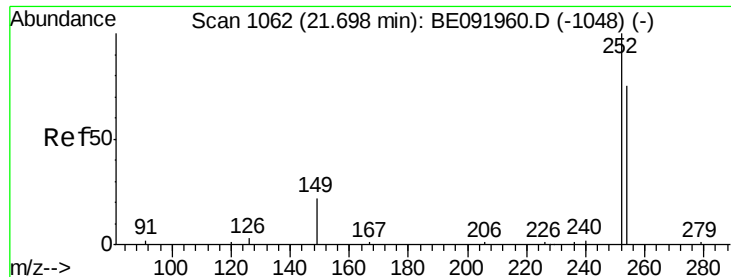


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

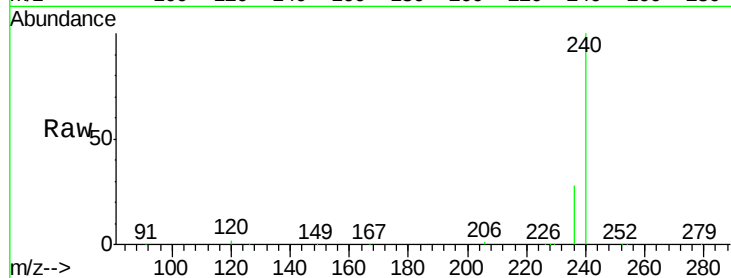




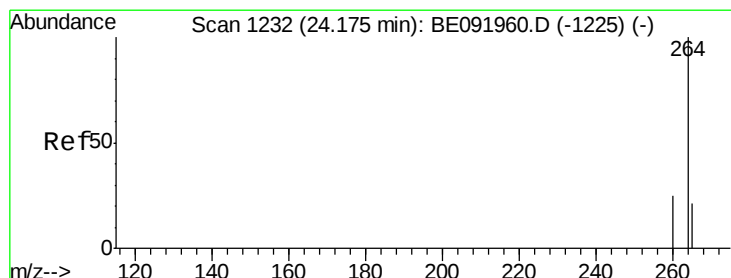
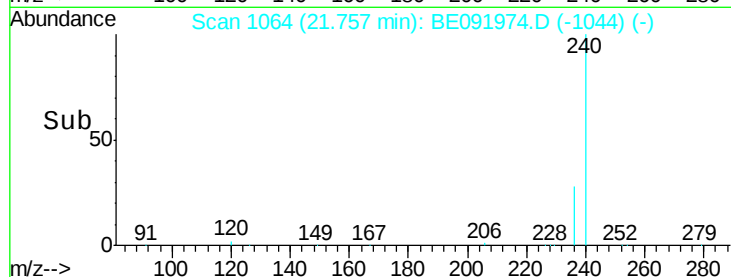
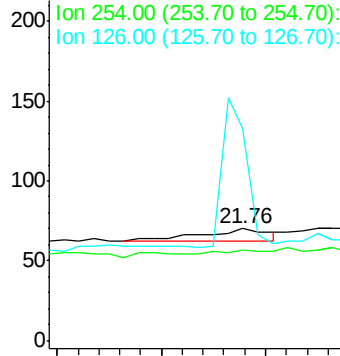
#36
 3,3'-Dichlorobenzidine
 Concen: Below Cal
 RT: 21.76 min Scan# 1064
 Delta R.T. 0.06 min
 Lab File: BE091974.D
 Acq: 5 Jul 2016 23:01

Instrument :
 BNA_E
 ClientSampleId :
 PB91545BL

Tgt Ion: 252 Resp: 74
 Ion Ratio Lower Upper
 252 100
 254 81.4 61.5 92.3
 126 190.0 2.5 3.7#

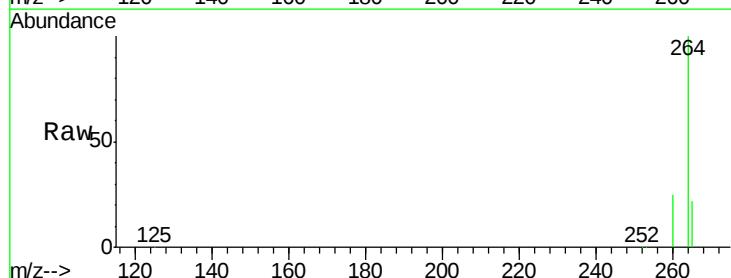


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.18 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BE091974.D
 Acq: 5 Jul 2016 23:01

Tgt Ion: 264 Resp: 224800
 Ion Ratio Lower Upper
 264 100
 260 24.7 20.3 30.5
 265 22.0 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

