

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070516\
 Data File : BE091970.D
 Acq On : 5 Jul 2016 20:29
 Operator : UM/SJ
 Sample : PB91781BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91781BL

Quant Time: Jul 06 05:53:00 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	21914	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	98910	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	70035	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	153164	5.00	ng	0.00
31) Chrysene-d12	21.76	240	291433	5.00	ng	0.00
40) Perylene-d12	24.18	264	227108	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.70	112	31392	5.99	ng	-0.02
5) Phenol-d6	7.35	99	41969	5.76	ng	-0.02
9) Nitrobenzene-d5	9.36	82	22474	3.34	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	11176	4.52	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	59493	3.48	ng	0.00
34) Terphenyl-d14	20.22	244	115306	3.35	ng	0.00

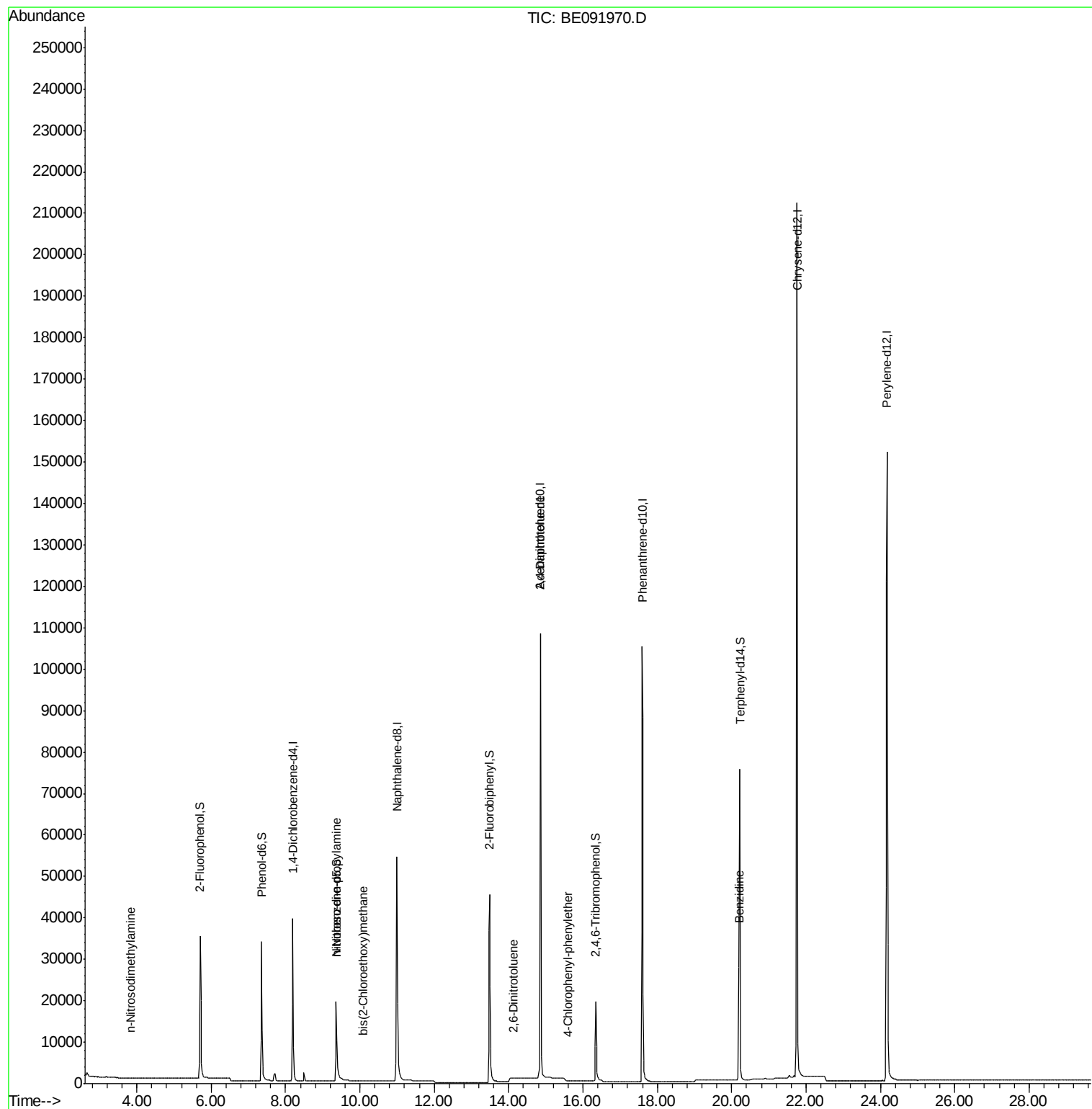
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.84	42	34	0.04	ng	# 8
7) n-Nitroso-di-n-propylamine	9.36	70	2797	0.46	ng	# 86
11) bis(2-Chloroethoxy)methane	10.10	93	711	0.09	ng	# 26
19) 2,6-Dinitrotoluene	14.13	165	2877	0.27	ng	# 10
21) 2,4-Dinitrotoluene	14.86	165	36546	1.76	ng	# 1
23) 4-Chlorophenyl-phenylether	15.58	204	371	0.04	ng	# 1
32) Benzidine	20.20	184	2281	0.31	ng	# 92
36) 3,3'-Dichlorobenzidine	21.59	252	64	Below Cal		# 85

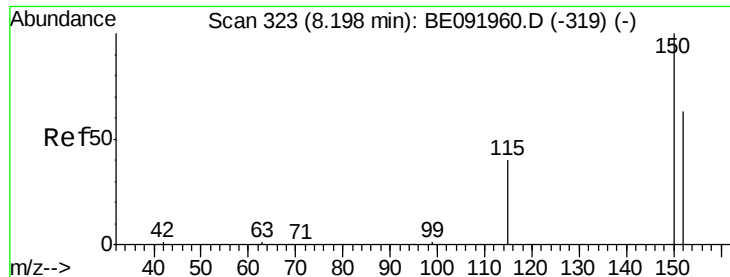
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091970.D

Acq: 5 Jul 2016 20:29

Instrument :

BNA_E

ClientSampled :

PB91781BL

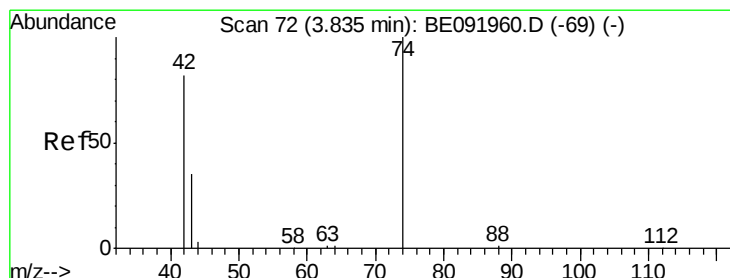
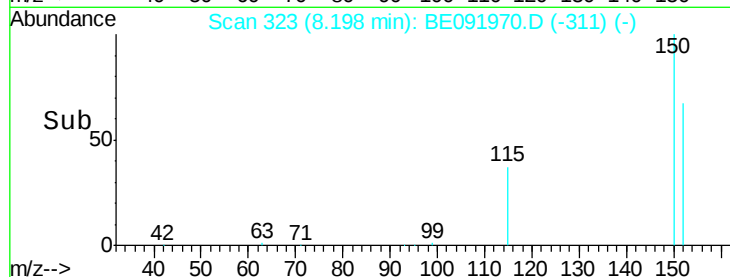
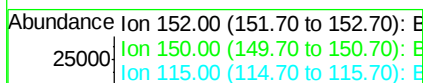
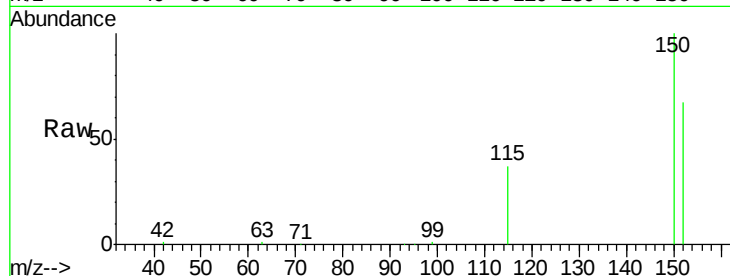
Tgt Ion:152 Resp: 21914

Ion Ratio Lower Upper

152 100

150 149.9 123.9 185.9

115 56.1 48.3 72.5



#3

n-Nitrosodimethylamine

Concen: 0.04 ng

RT: 3.84 min Scan# 72

Delta R.T. 0.00 min

Lab File: BE091970.D

Acq: 5 Jul 2016 20:29

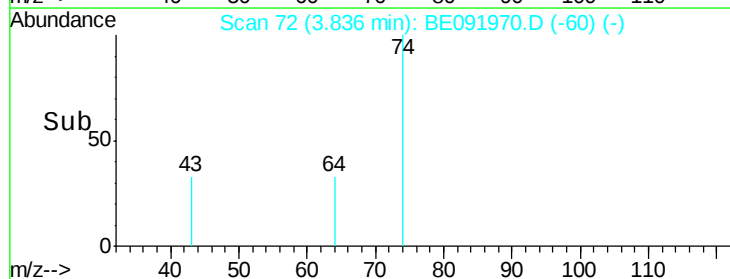
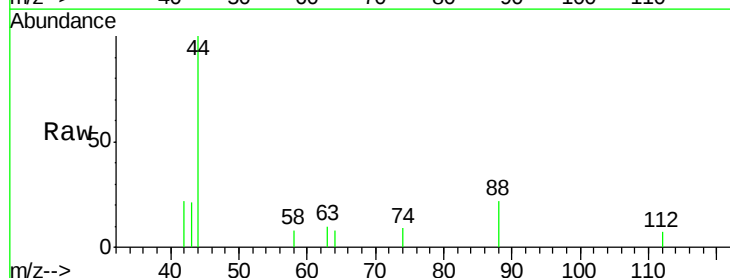
Tgt Ion: 42 Resp: 34

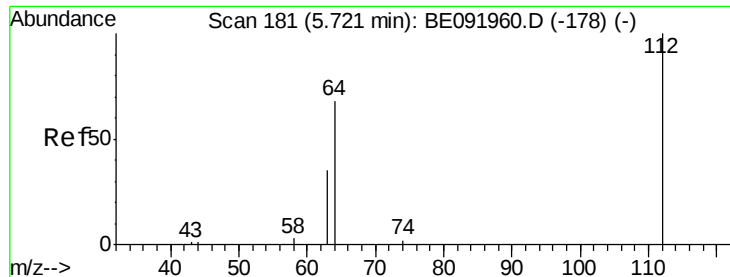
Ion Ratio Lower Upper

42 100

74 11.8 93.4 140.0#

44 0.0 5.0 7.6#





#4

2-Fluorophenol

Concen: 5.99 ng

RT: 5.70 min Scan# 180

Delta R.T. -0.02 min

Lab File: BE091970.D

Acq: 5 Jul 2016 20:29

Instrument :

BNA_E

ClientSampleId :

PB91781BL

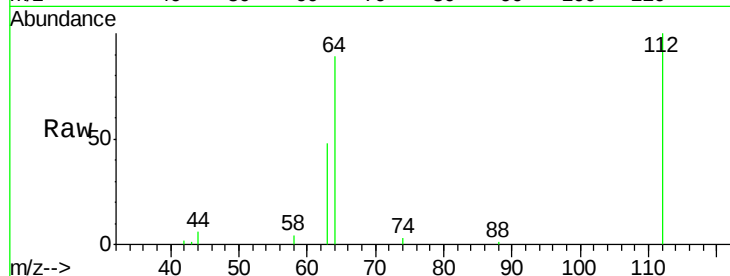
Tgt Ion: 112 Resp: 31392

Ion Ratio Lower Upper

112 100

64 67.9 53.7 80.5

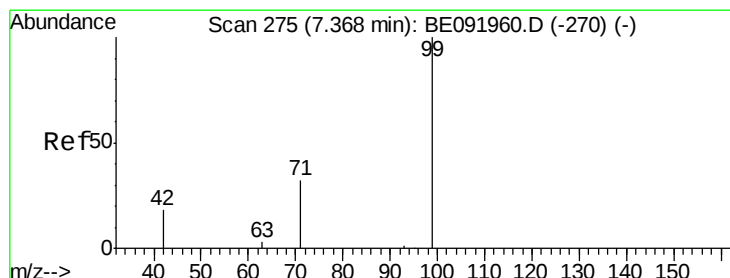
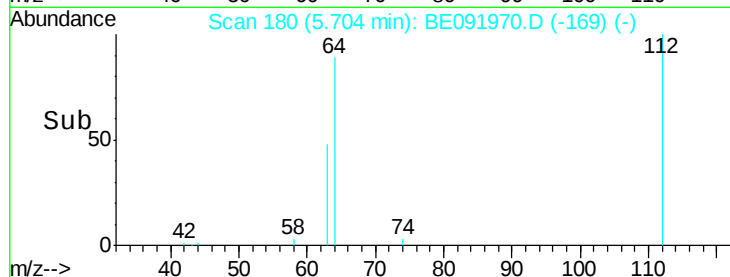
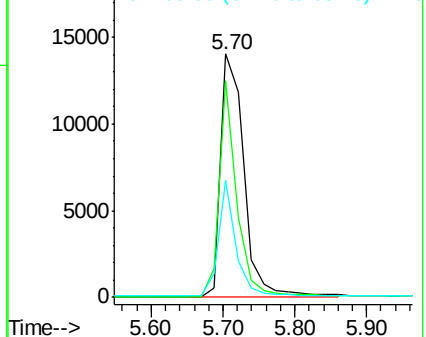
63 36.4 29.5 44.3



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: 5.76 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE091970.D

Acq: 5 Jul 2016 20:29

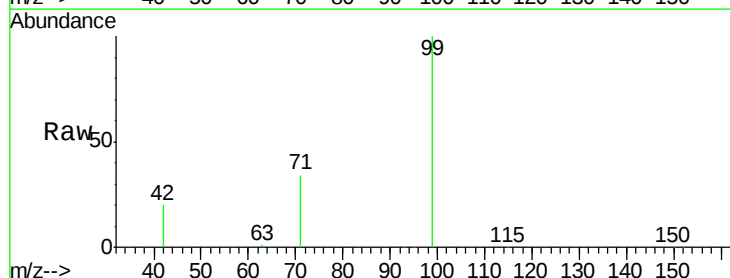
Tgt Ion: 99 Resp: 41969

Ion Ratio Lower Upper

99 100

42 24.2 19.6 29.4

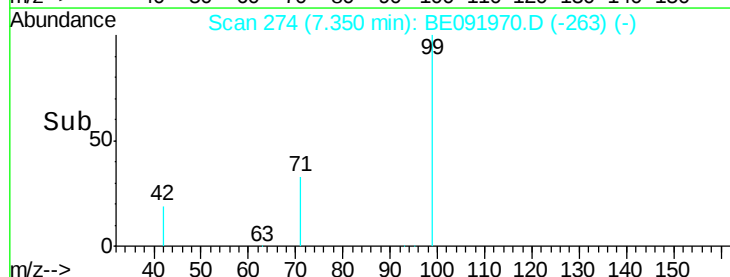
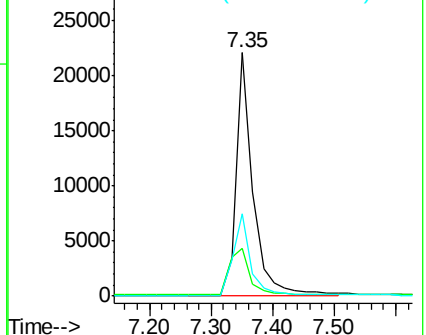
71 35.2 28.1 42.1

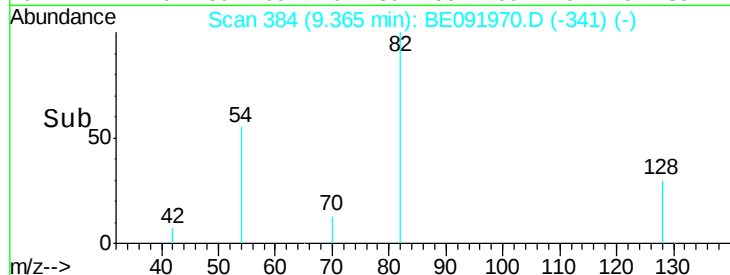
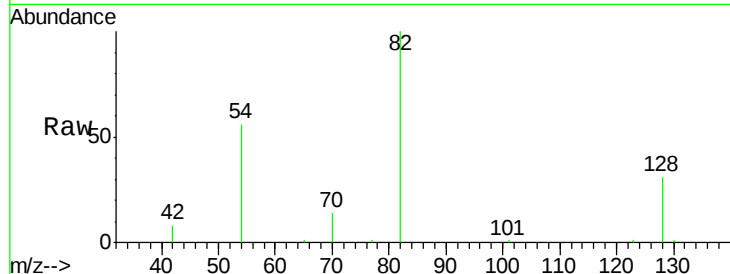
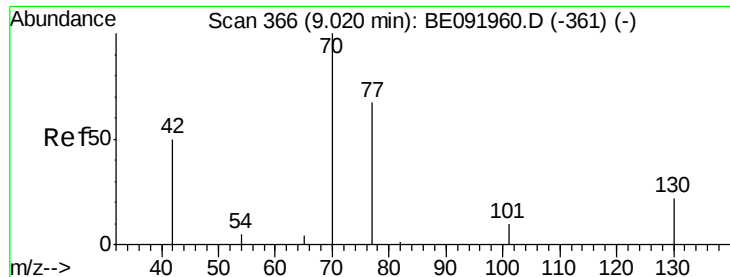


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 0.46 ng

RT: 9.36 min Scan# 384

Delta R.T. 0.34 min

Lab File: BE091970.D

Acq: 5 Jul 2016 20:29

Instrument :

BNA_E

ClientSampleId :

PB91781BL

Tgt Ion: 70 Resp: 2797

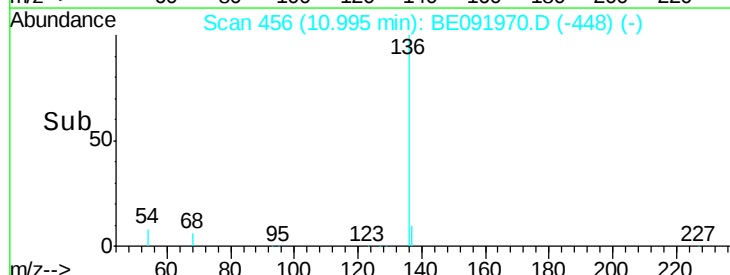
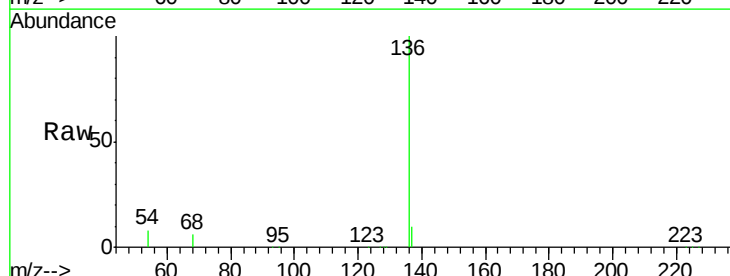
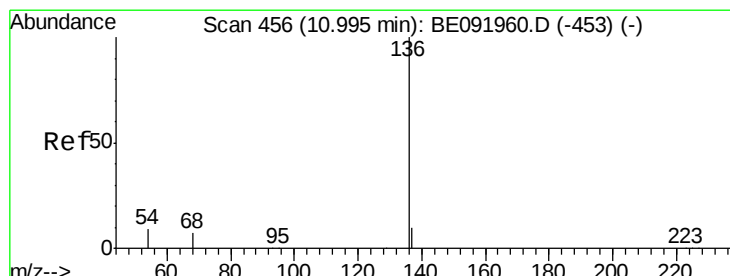
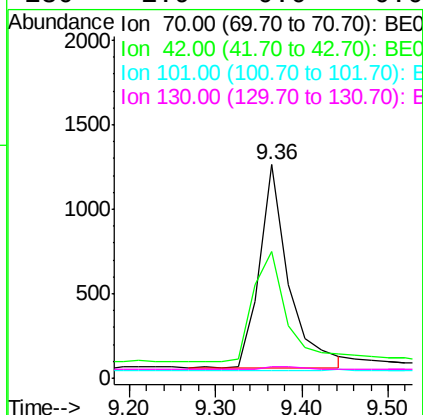
Ion Ratio Lower Upper

70 100

42 62.4 58.4 87.6

101 0.0 6.4 9.6#

130 1.9 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: BE091970.D

Acq: 5 Jul 2016 20:29

Tgt Ion: 136 Resp: 98910

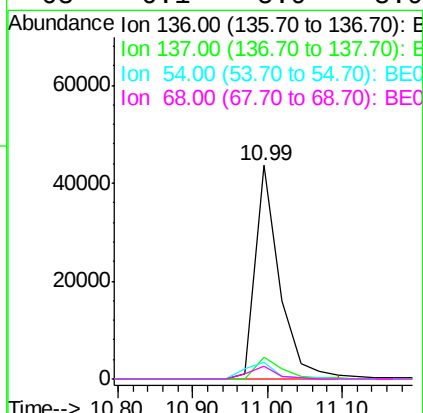
Ion Ratio Lower Upper

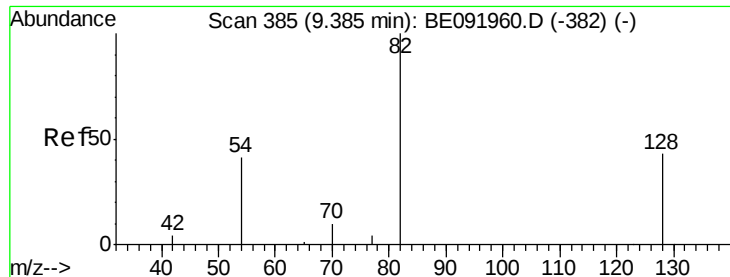
136 100

137 10.4 8.3 12.5

54 8.0 8.2 12.4#

68 6.1 5.9 8.9





#9

Nitrobenzene-d5

Concen: 3.34 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091970.D

Acq: 5 Jul 2016 20:29

Instrument :

BNA_E

ClientSampleId :

PB91781BL

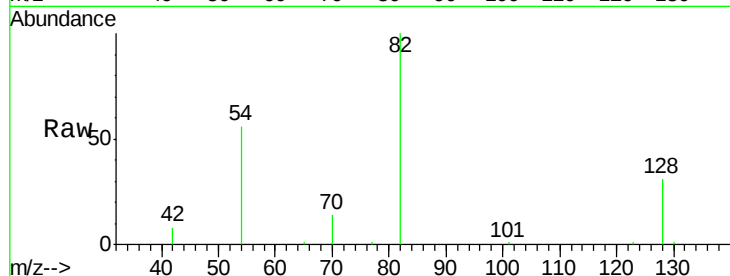
Tgt Ion: 82 Resp: 22474

Ion Ratio Lower Upper

82 100

128 30.5 39.5 59.3#

54 55.6 30.3 45.5#

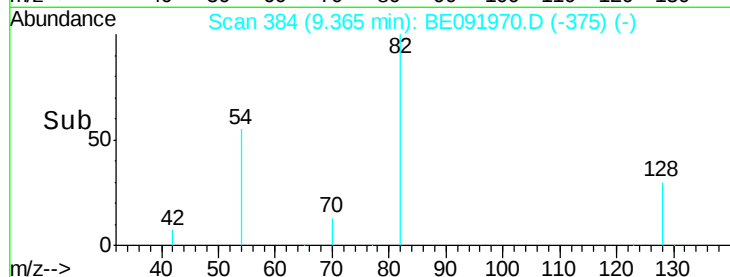


Abundance Ion 82.00 (81.70 to 82.70): BE0

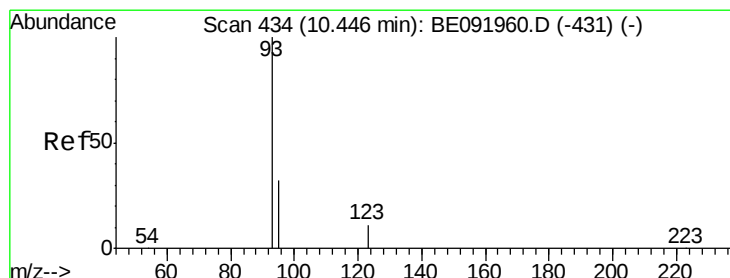
Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Time-->



Time-->



#11

bis(2-Chloroethoxy)methane

Concen: 0.09 ng

RT: 10.10 min Scan# 420

Delta R.T. -0.35 min

Lab File: BE091970.D

Acq: 5 Jul 2016 20:29

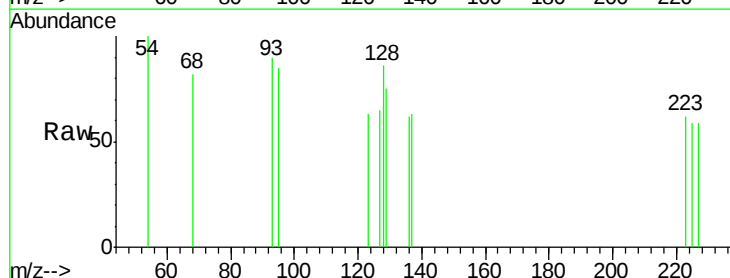
Tgt Ion: 93 Resp: 711

Ion Ratio Lower Upper

93 100

95 82.6 57.6 86.4

123 0.0 100.2 150.4#

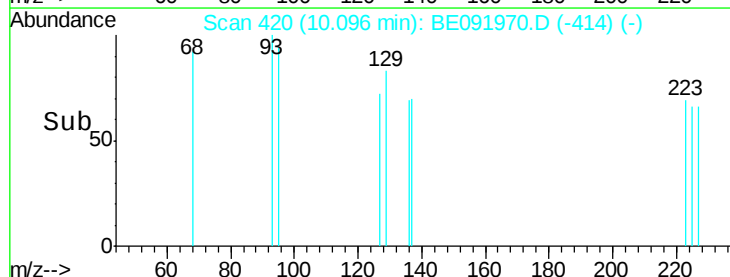


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

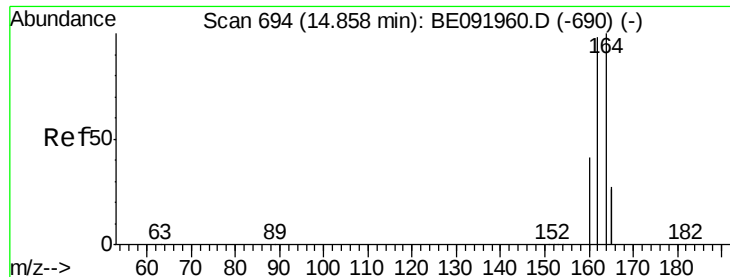
Ion 123.00 (122.70 to 123.70): BE0

Time-->



Time-->

Time-->



#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.00 min

Lab File: BE091970.D

Acq: 5 Jul 2016 20:29

Instrument :

BNA_E

ClientSampleId :

PB91781BL

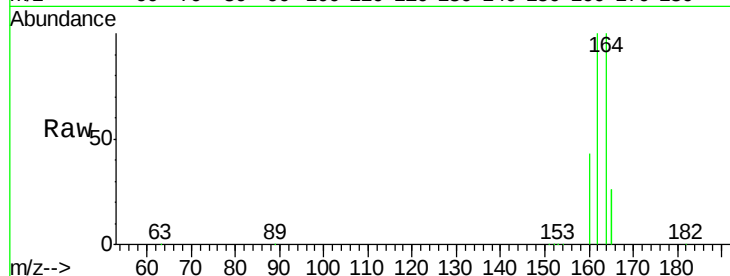
Tgt Ion:164 Resp: 70035

Ion Ratio Lower Upper

164 100

162 100.2 71.8 107.8

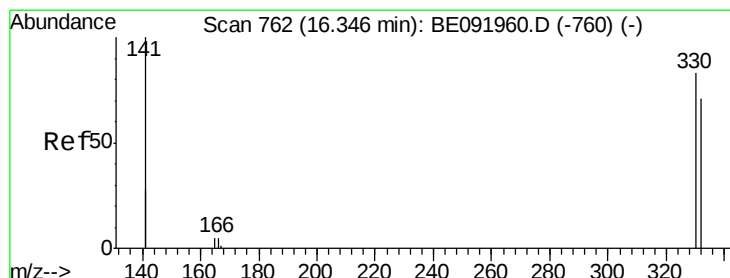
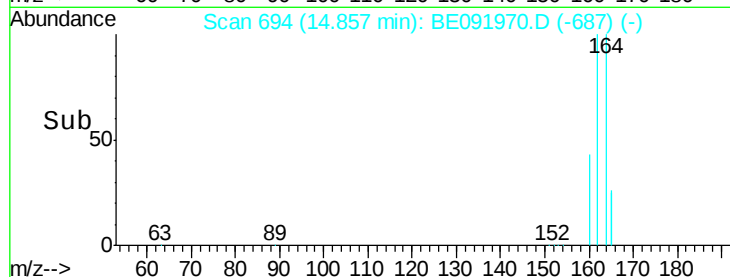
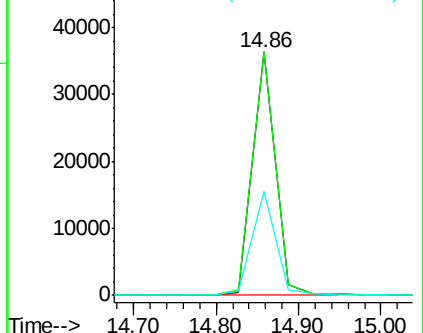
160 42.8 28.0 42.0#



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: 4.52 ng

RT: 16.35 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE091970.D

Acq: 5 Jul 2016 20:29

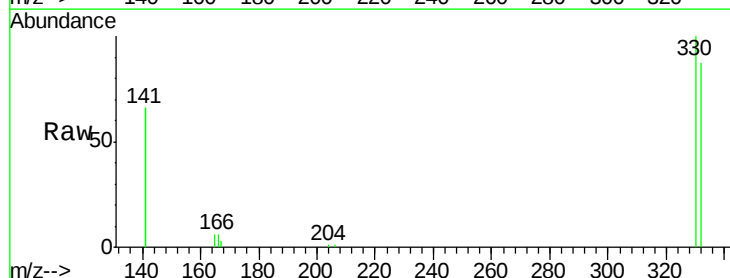
Tgt Ion:330 Resp: 11176

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

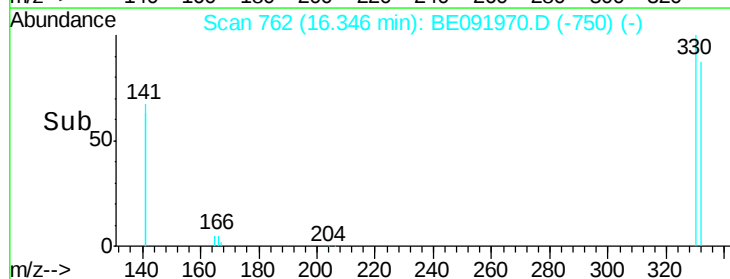
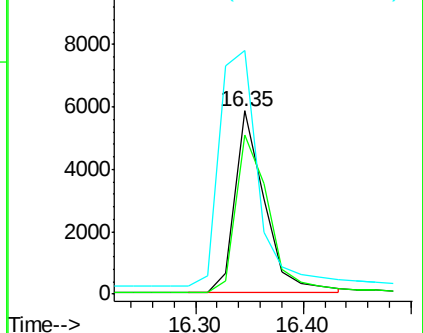
141 167.8 138.4 207.6

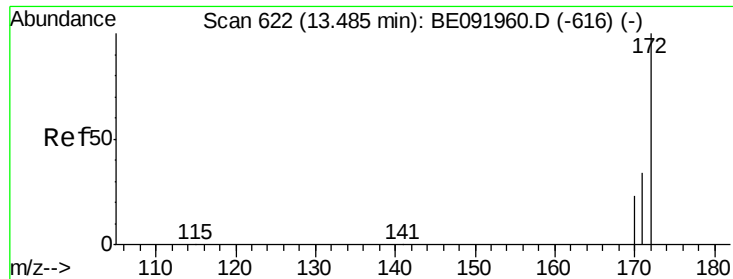


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

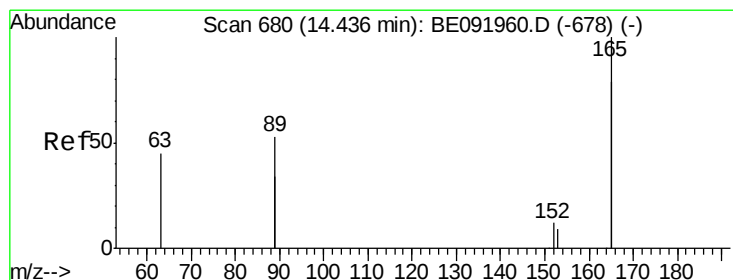
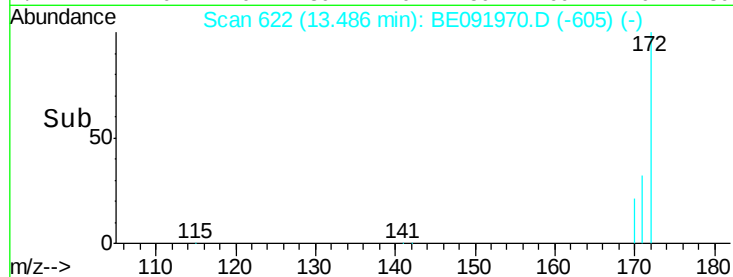
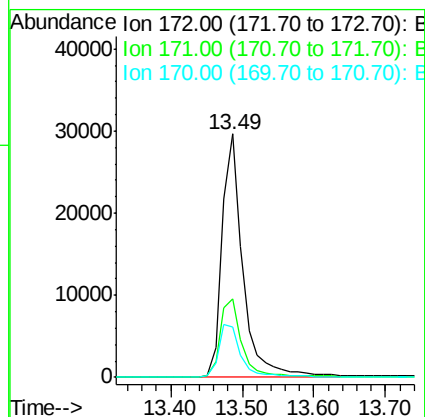
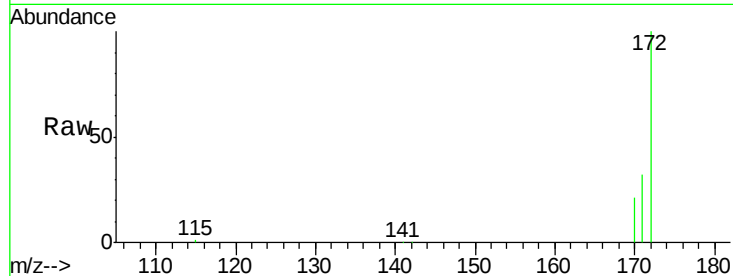




#17
2-Fluorobiphenyl
Concen: 3.48 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091970.D
Acq: 5 Jul 2016 20:29

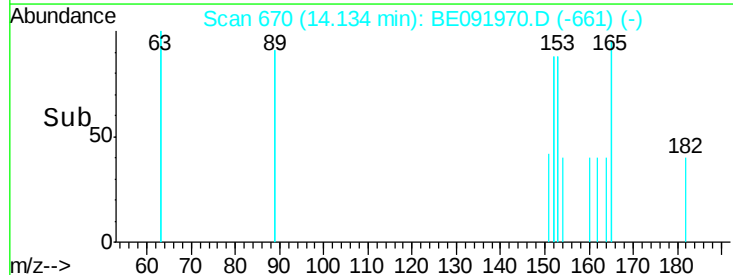
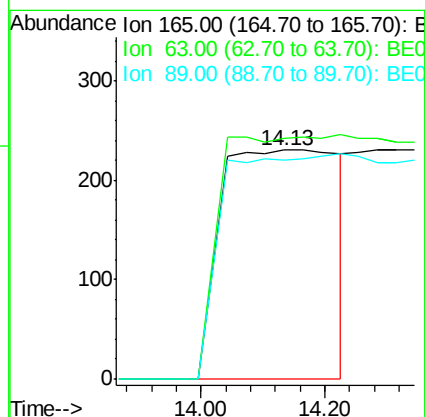
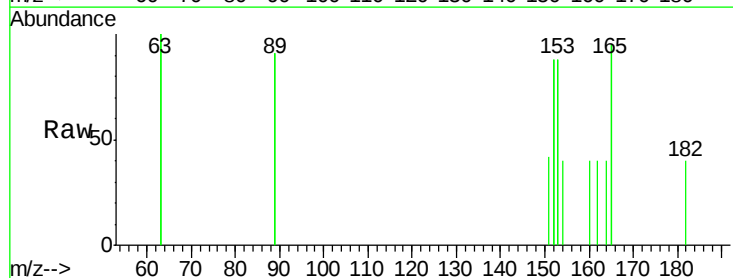
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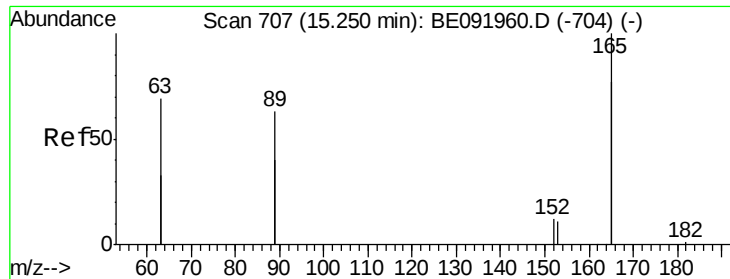
Tgt Ion:172 Resp: 59493
Ion Ratio Lower Upper
172 100
171 32.2 24.3 36.5
170 20.8 14.9 22.3



#19
2,6-Dinitrotoluene
Concen: 0.27 ng
RT: 14.13 min Scan# 670
Delta R.T. -0.30 min
Lab File: BE091970.D
Acq: 5 Jul 2016 20:29

Tgt Ion:165 Resp: 2877
Ion Ratio Lower Upper
165 100
63 0.0 65.9 98.9#
89 0.0 59.1 88.7#

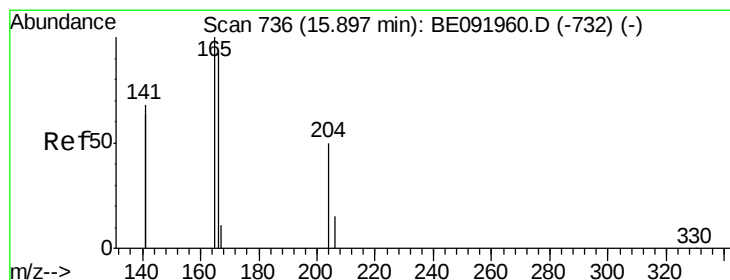
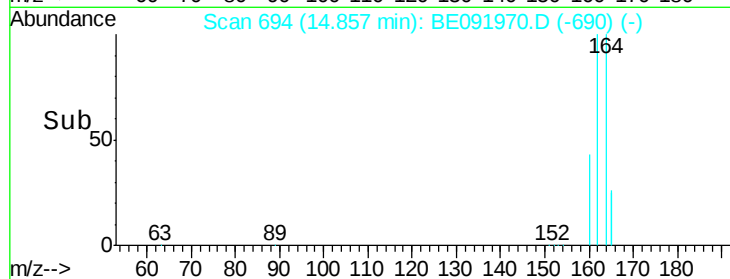
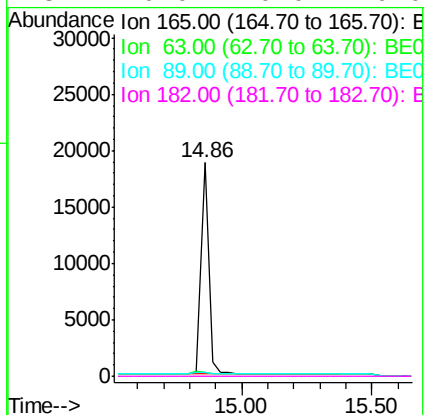
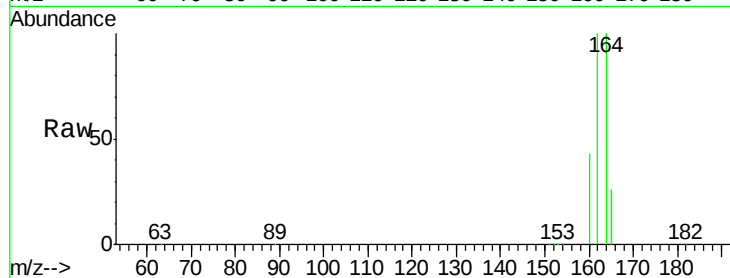




#21
2,4-Dinitrotoluene
Concen: 1.76 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.39 min
Lab File: BE091970.D
Acq: 5 Jul 2016 20:29

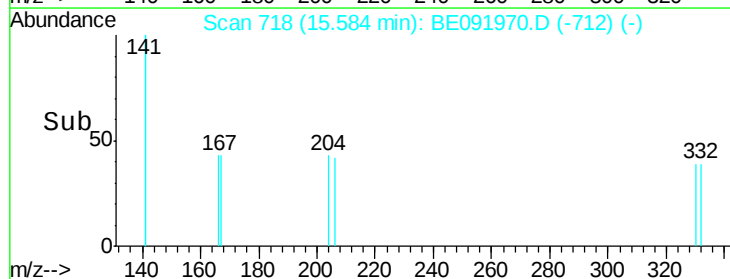
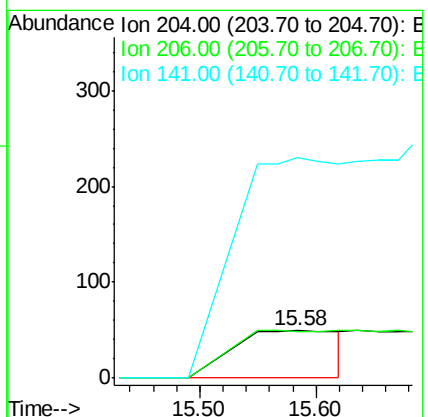
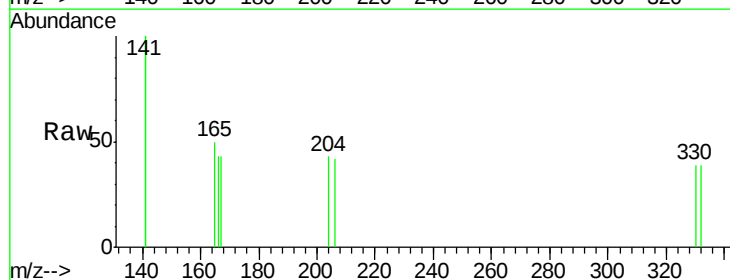
Instrument :
BNA_E
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PB91781BL

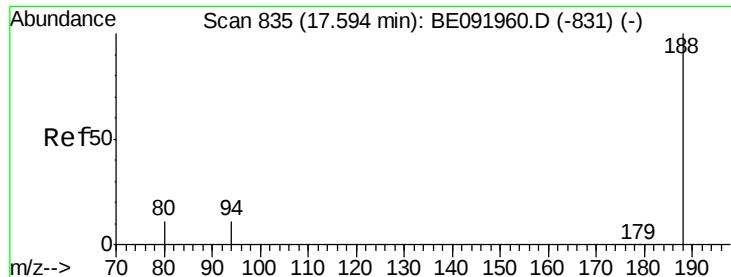
Tgt Ion:165 Resp: 36546
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 1.4 99.8 149.8#
182 0.0 0.0 0.0



#23
4-Chlorophenyl-phenylether
Concen: 0.04 ng
RT: 15.58 min Scan# 718
Delta R.T. -0.31 min
Lab File: BE091970.D
Acq: 5 Jul 2016 20:29

Tgt Ion:204 Resp: 371
Ion Ratio Lower Upper
204 100
206 0.0 27.8 41.6#
141 468.2 197.6 296.4#

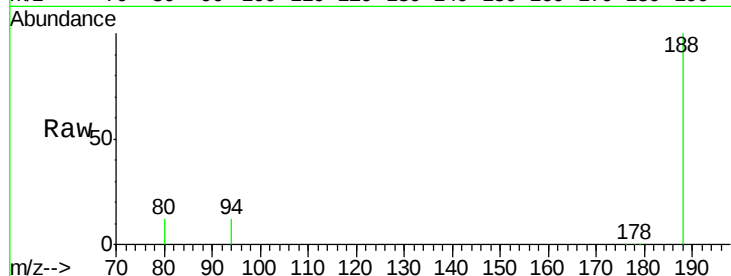




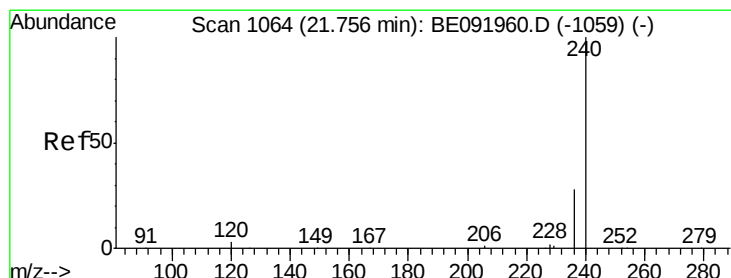
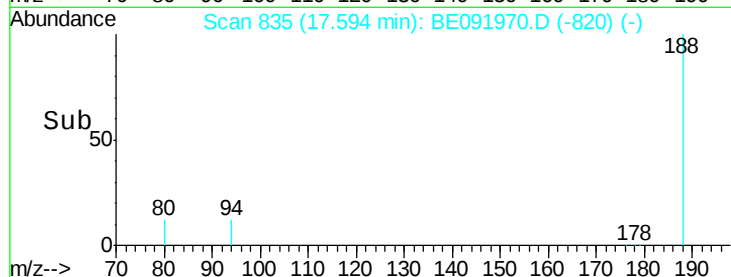
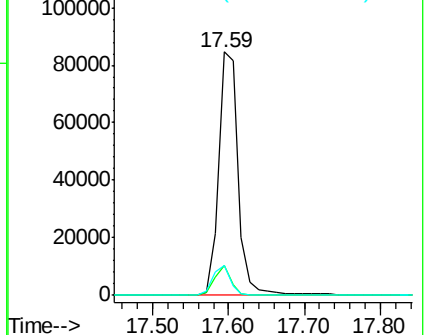
#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.59 min Scan# 835
Delta R.T. -0.00 min
Lab File: BE091970.D
Acq: 5 Jul 2016 20:29

Instrument :
BNA_E
ClientSampled :
PB91781BL

Tgt Ion:188 Resp: 153164
Ion Ratio Lower Upper
188 100
94 12.0 4.1 6.1#
80 12.2 3.4 5.2#

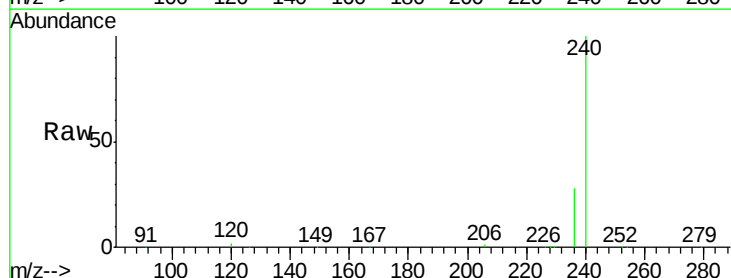


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

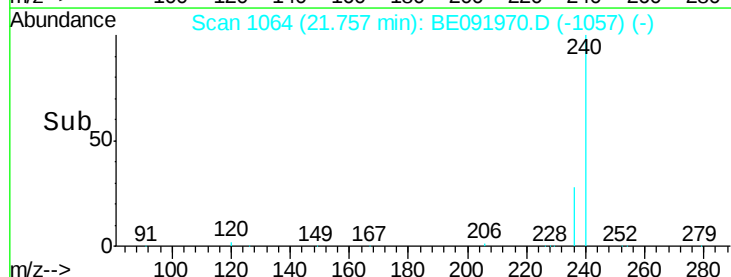
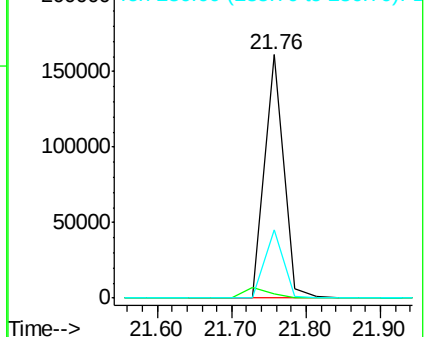


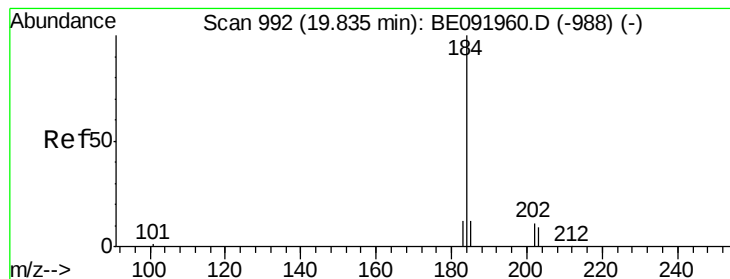
#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BE091970.D
Acq: 5 Jul 2016 20:29

Tgt Ion:240 Resp: 291433
Ion Ratio Lower Upper
240 100
120 1.9 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: 0.31 ng

RT: 20.20 min Scan# 1008

Delta R.T. 0.36 min

Lab File: BE091970.D

Acq: 5 Jul 2016 20:29

Instrument :

BNA_E

ClientSampleId :

PB91781BL

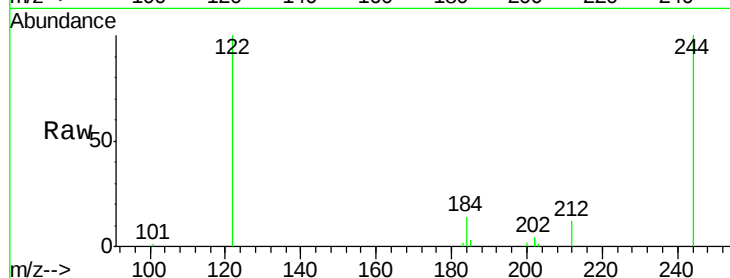
Tgt Ion:184 Resp: 2281

Ion Ratio Lower Upper

184 100

185 18.9 11.4 17.2#

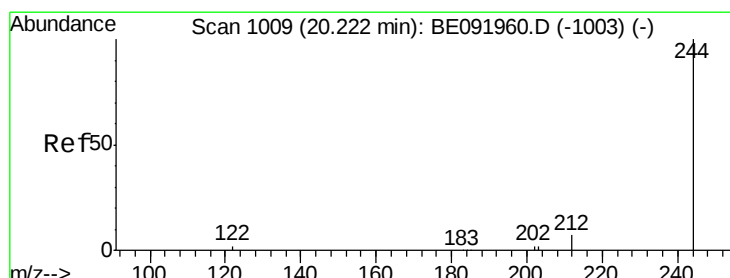
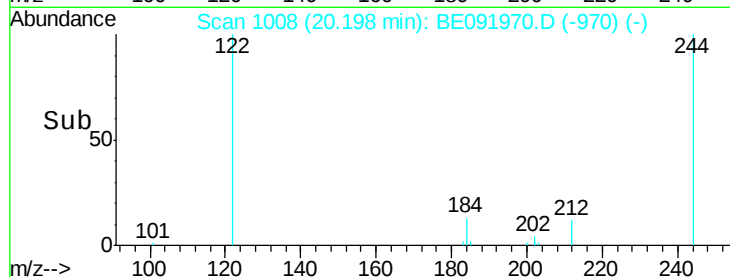
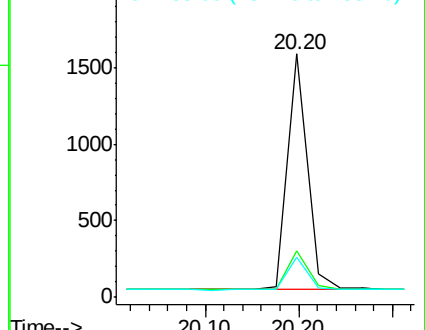
183 16.6 11.8 17.6



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: 3.35 ng

RT: 20.22 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE091970.D

Acq: 5 Jul 2016 20:29

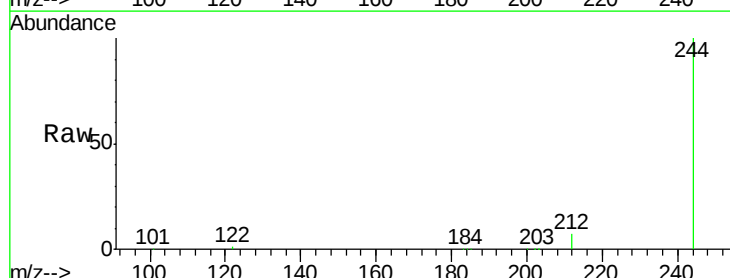
Tgt Ion:244 Resp: 115306

Ion Ratio Lower Upper

244 100

212 6.8 6.5 9.7

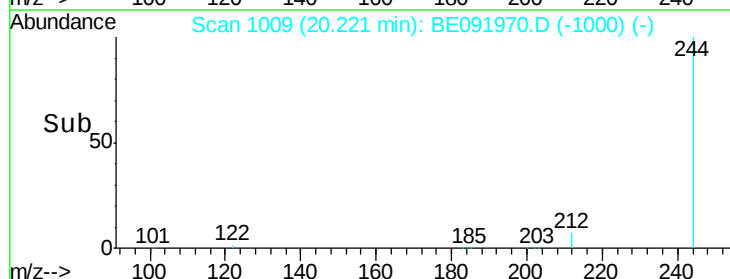
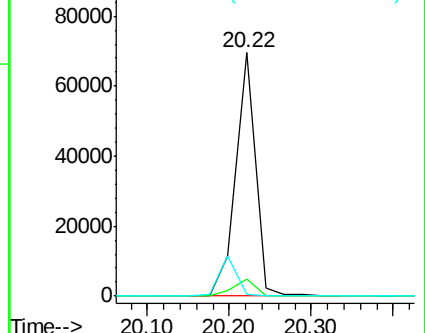
122 0.7 2.9 4.3#

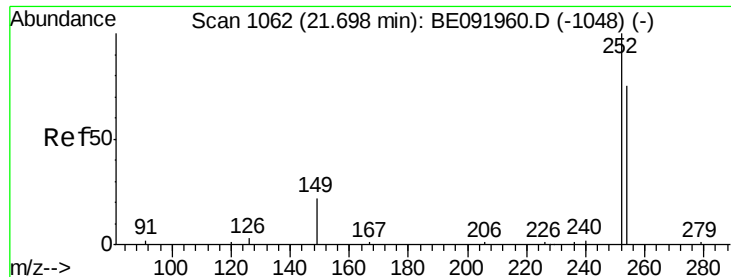


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

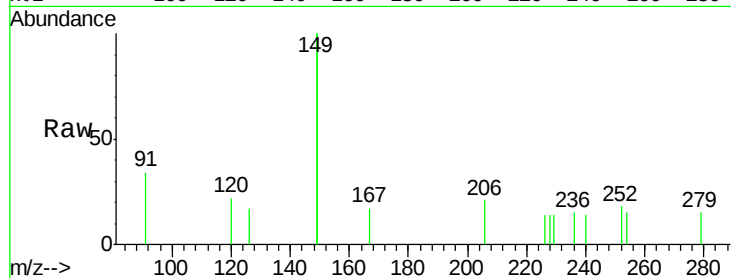




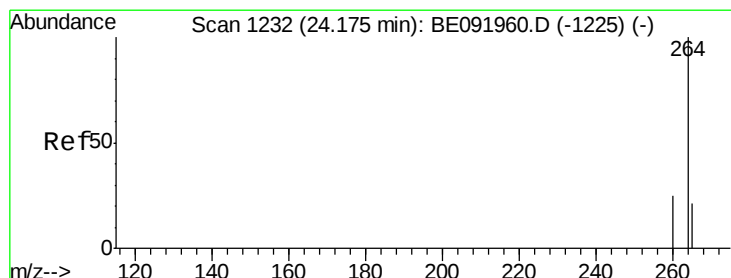
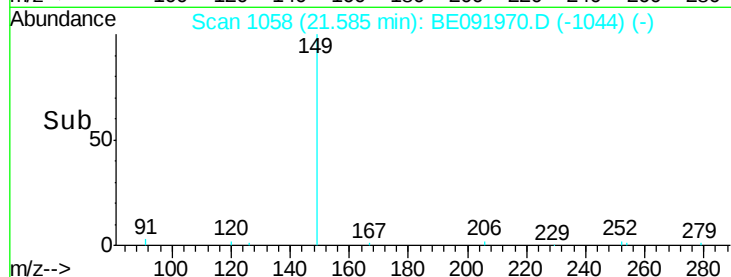
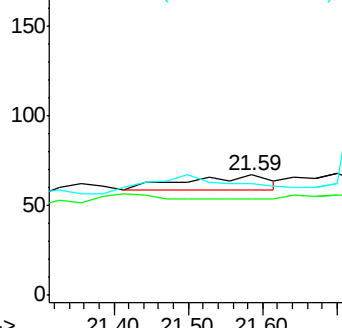
#36
 3,3'-Dichlorobenzidine
 Concen: Below Cal
 RT: 21.59 min Scan# 1058
 Delta R.T. -0.11 min
 Lab File: BE091970.D
 Acq: 5 Jul 2016 20:29

Instrument :
 BNA_E
 ClientSampleId :
 PB91781BL

Tgt Ion: 252 Resp: 64
 Ion Ratio Lower Upper
 252 100
 254 80.6 61.5 92.3
 126 92.5 2.5 3.7#

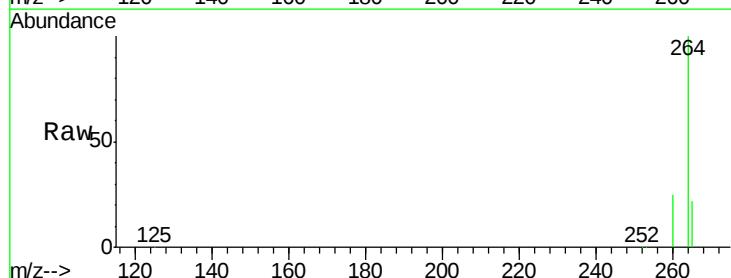


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.18 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BE091970.D
 Acq: 5 Jul 2016 20:29

Tgt Ion: 264 Resp: 227108
 Ion Ratio Lower Upper
 264 100
 260 24.9 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

