

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070516\
 Data File : BE091973.D
 Acq On : 5 Jul 2016 22:22
 Operator : UM/SJ
 Sample : PB91544BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91544BL

Quant Time: Jul 06 05:53:49 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	24373	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	107384	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	77686	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	174057	5.00	ng	0.00
31) Chrysene-d12	21.76	240	311115	5.00	ng	0.00
40) Perylene-d12	24.18	264	244013	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	32951	5.65	ng	0.00
5) Phenol-d6	7.35	99	43211	5.33	ng	-0.02
9) Nitrobenzene-d5	9.37	82	23559	3.22	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	11827	4.32	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	61539	3.25	ng	0.00
34) Terphenyl-d14	20.22	244	107381	2.93	ng	0.00

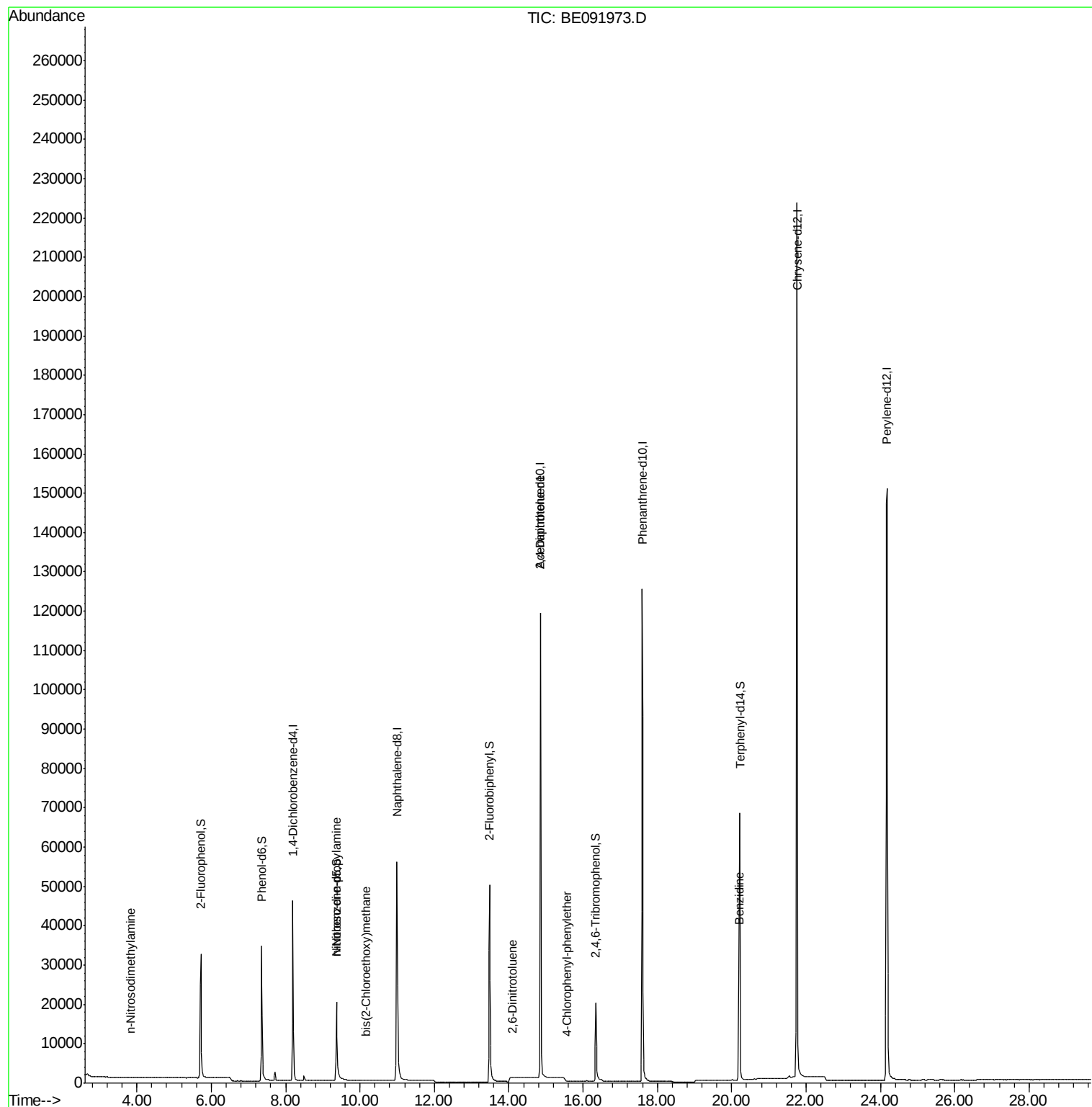
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.83	42	18	0.04	ng	# 1
7) n-Nitroso-di-n-propylamine	9.37	70	2956	0.44	ng	# 85
11) bis(2-Chloroethoxy)methane	10.17	93	1293	0.14	ng	# 1
19) 2,6-Dinitrotoluene	14.10	165	2414	0.23	ng	# 38
21) 2,4-Dinitrotoluene	14.86	165	40082	1.75	ng	# 1
23) 4-Chlorophenyl-phenylether	15.57	204	419	0.04	ng	# 1
32) Benzidine	20.20	184	2256	0.30	ng	# 90
36) 3,3'-Dichlorobenzidine	21.70	252	55	Below Cal		# 87

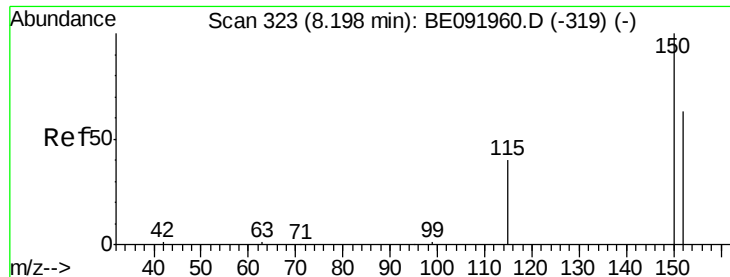
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091973.D

Acq: 5 Jul 2016 22:22

Instrument :

BNA_E

ClientSampleId :

PB91544BL

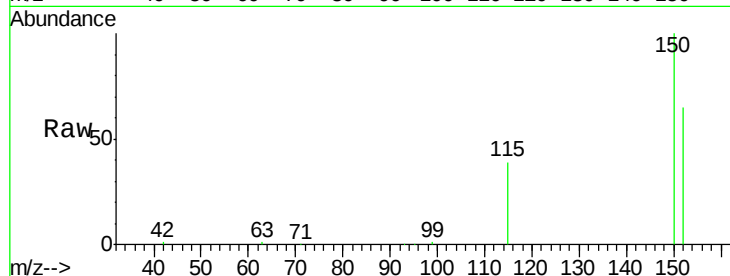
Tgt Ion:152 Resp: 24373

Ion Ratio Lower Upper

152 100

150 154.0 123.9 185.9

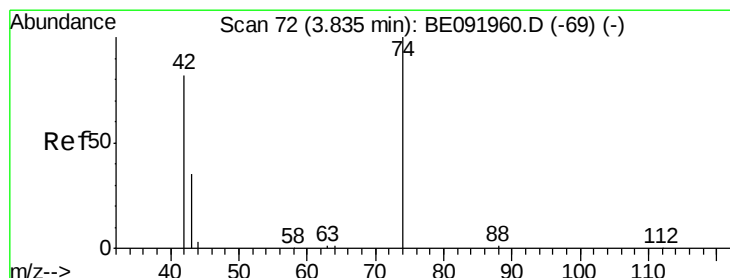
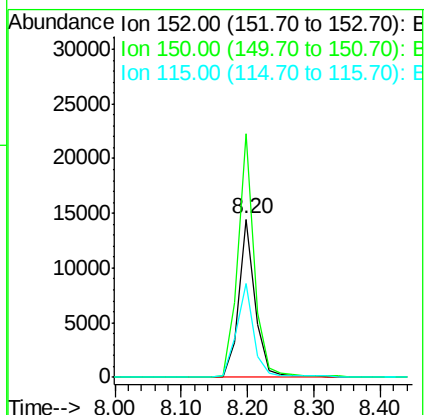
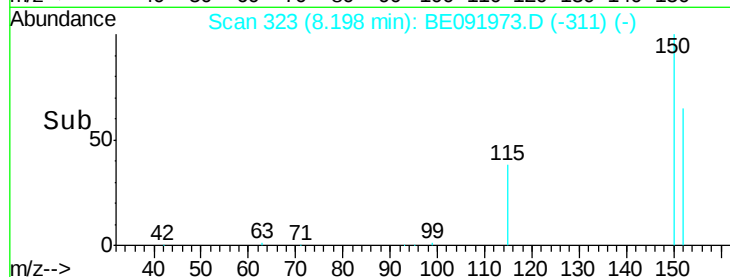
115 59.4 48.3 72.5



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



#3

n-Nitrosodimethylamine

Concen: 0.04 ng

RT: 3.83 min Scan# 72

Delta R.T. 0.00 min

Lab File: BE091973.D

Acq: 5 Jul 2016 22:22

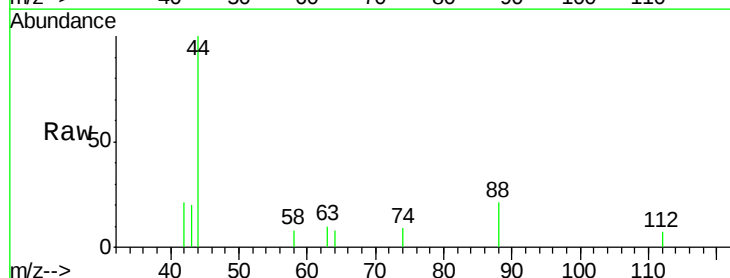
Tgt Ion: 42 Resp: 18

Ion Ratio Lower Upper

42 100

74 11.1 93.4 140.0#

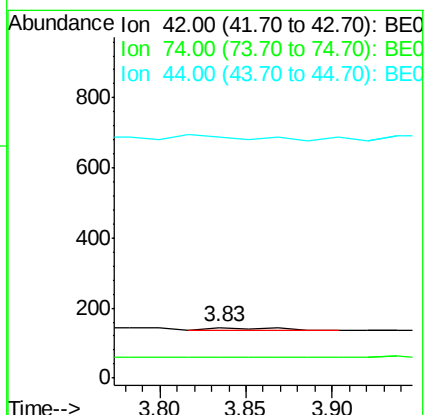
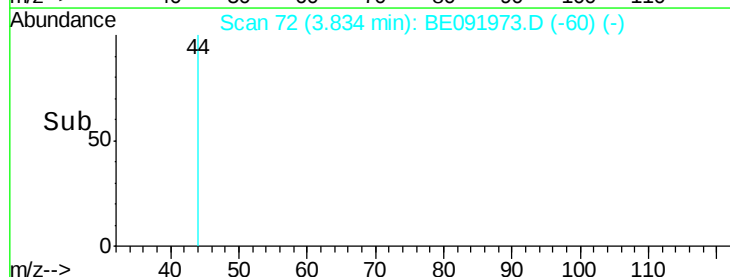
44 233.3 5.0 7.6#

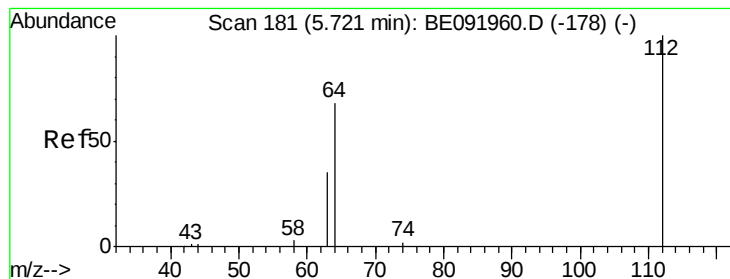


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 5.65 ng

RT: 5.72 min Scan# 181

Delta R.T. -0.00 min

Lab File: BE091973.D

Acq: 5 Jul 2016 22:22

Instrument :

BNA_E

ClientSampleId :

PB91544BL

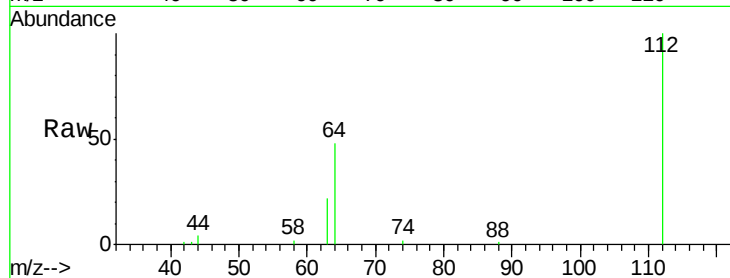
Tgt Ion: 112 Resp: 32951

Ion Ratio Lower Upper

112 100

64 67.3 53.7 80.5

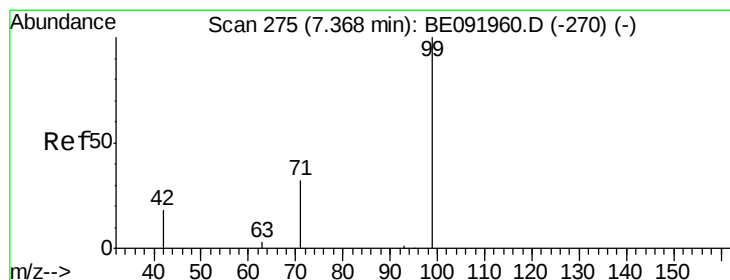
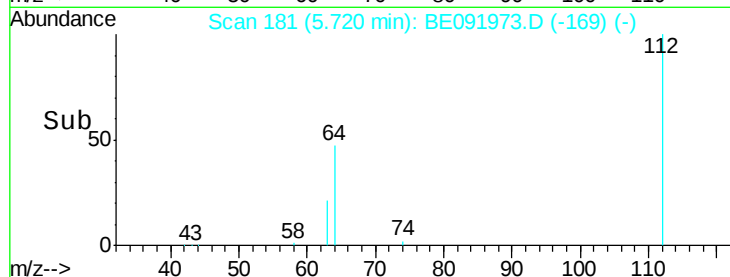
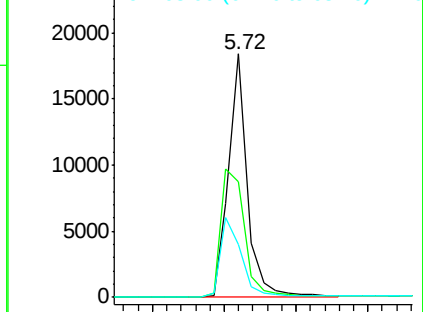
63 36.2 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): BE091960.D (-178) (-)

Ion 64.00 (63.70 to 64.70): BE091960.D (-178) (-)

Ion 63.00 (62.70 to 63.70): BE091960.D (-178) (-)



#5

Phenol-d6

Concen: 5.33 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE091973.D

Acq: 5 Jul 2016 22:22

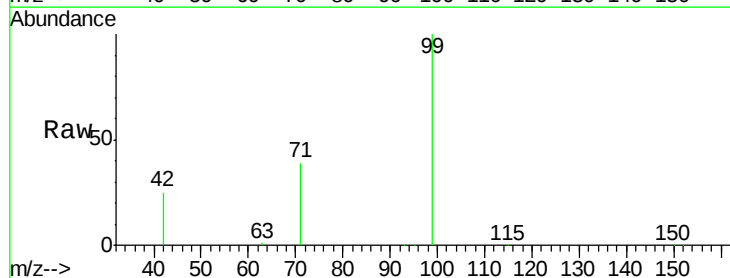
Tgt Ion: 99 Resp: 43211

Ion Ratio Lower Upper

99 100

42 24.2 19.6 29.4

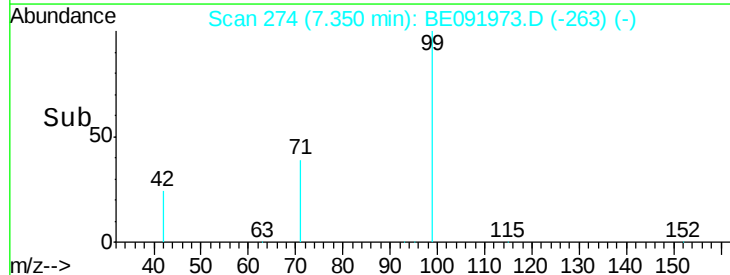
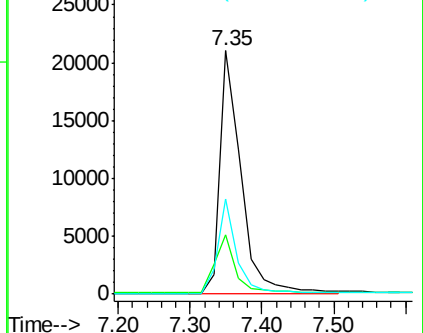
71 35.3 28.1 42.1

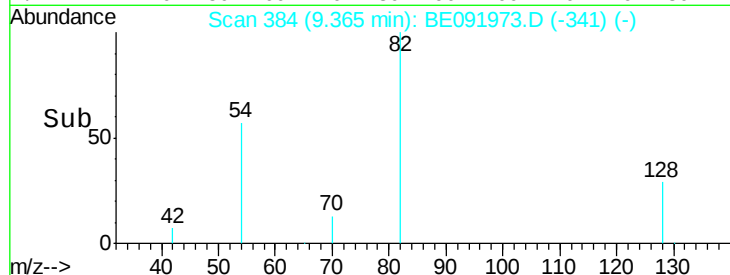
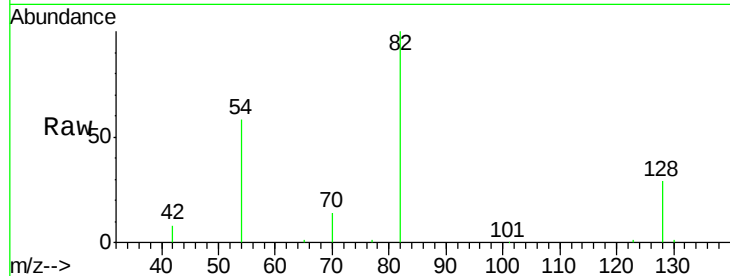
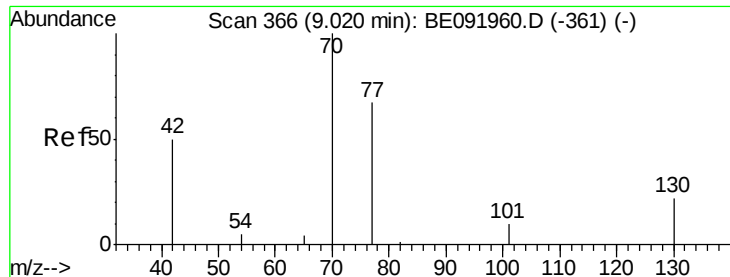


Abundance Ion 99.00 (98.70 to 99.70): BE091960.D (-270) (-)

Ion 42.00 (41.70 to 42.70): BE091960.D (-270) (-)

Ion 71.00 (70.70 to 71.70): BE091960.D (-270) (-)





#7

n-Nitroso-di-n-propylamine

Concen: 0.44 ng

RT: 9.37 min Scan# 384

Delta R.T. 0.35 min

Lab File: BE091973.D

Acq: 5 Jul 2016 22:22

Instrument :

BNA_E

ClientSampleId :

PB91544BL

Tgt Ion: 70 Resp: 2956

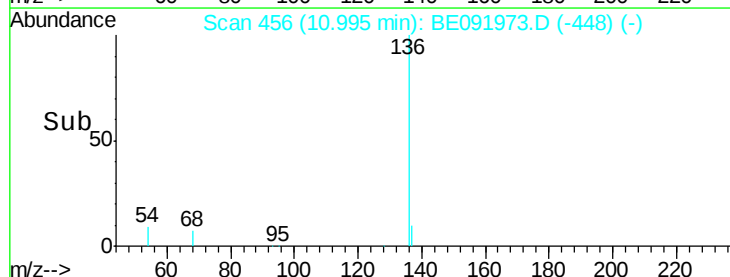
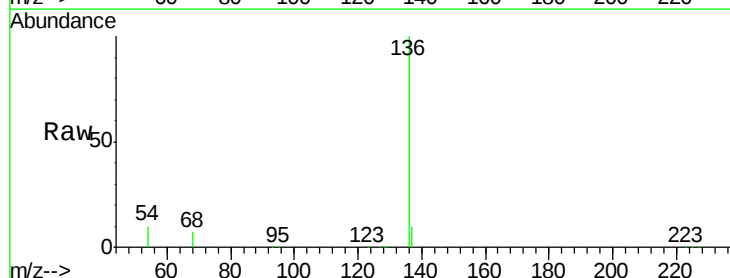
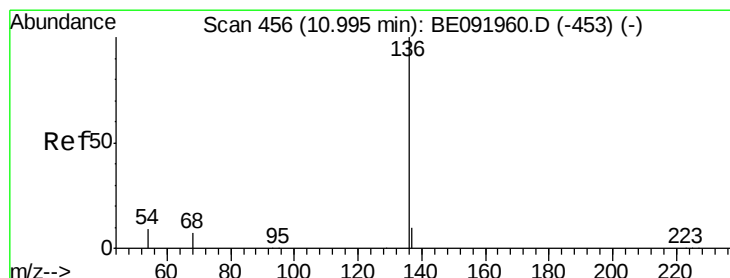
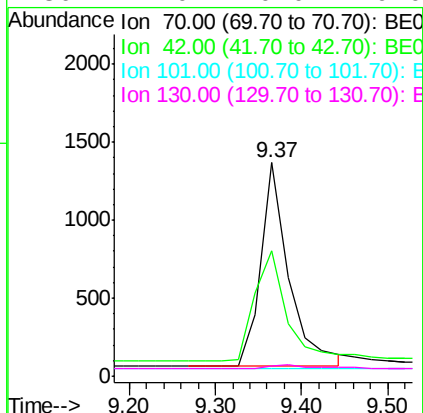
Ion Ratio Lower Upper

70 100

42 61.0 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: BE091973.D

Acq: 5 Jul 2016 22:22

Tgt Ion: 136 Resp: 107384

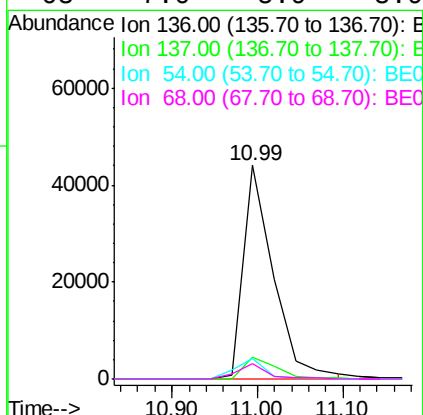
Ion Ratio Lower Upper

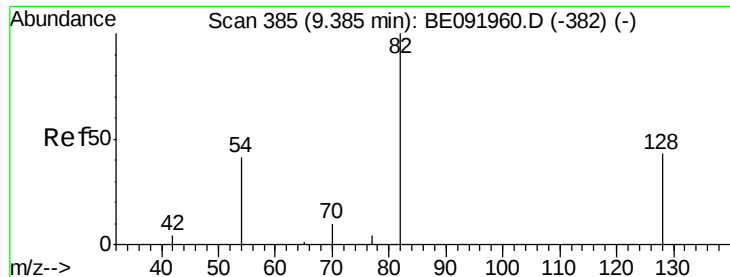
136 100

137 10.3 8.3 12.5

54 9.5 8.2 12.4

68 7.0 5.9 8.9





#9

Nitrobenzene-d5

Concen: 3.22 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091973.D

Acq: 5 Jul 2016 22:22

Instrument :

BNA_E

ClientSampleId :

PB91544BL

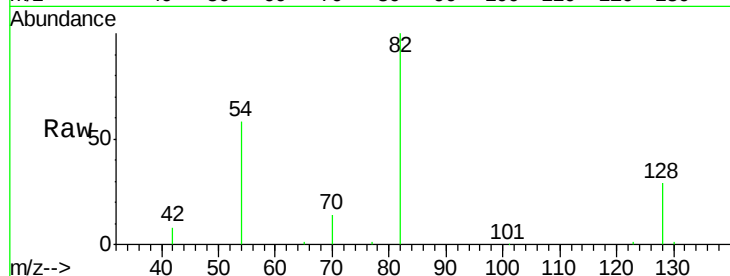
Tgt Ion: 82 Resp: 23559

Ion Ratio Lower Upper

82 100

128 29.1 39.5 59.3#

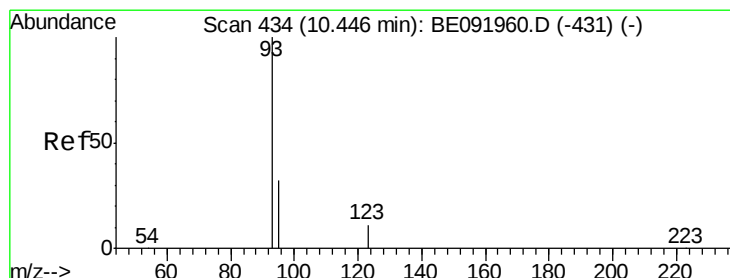
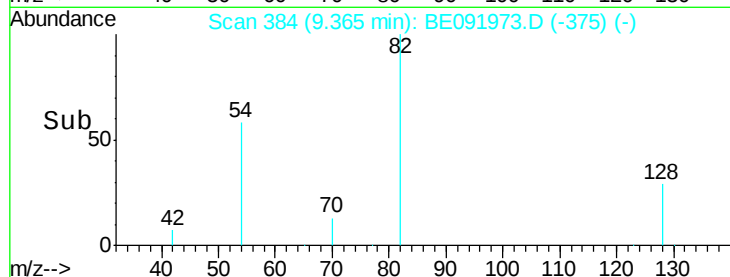
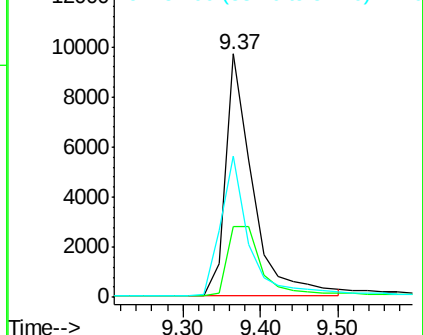
54 58.1 30.3 45.5#



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: 0.14 ng

RT: 10.17 min Scan# 423

Delta R.T. -0.27 min

Lab File: BE091973.D

Acq: 5 Jul 2016 22:22

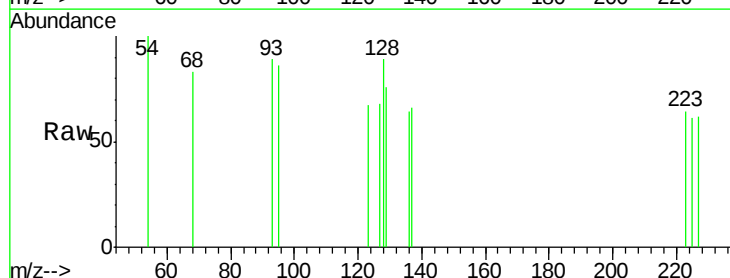
Tgt Ion: 93 Resp: 1293

Ion Ratio Lower Upper

93 100

95 0.0 57.6 86.4#

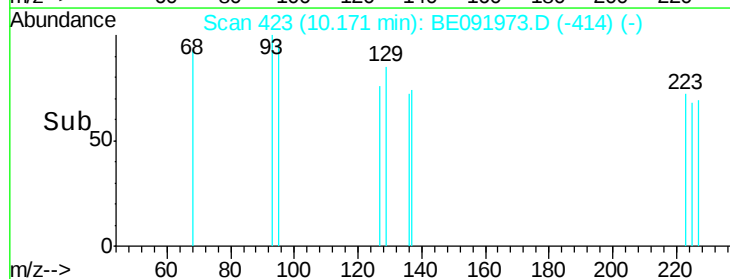
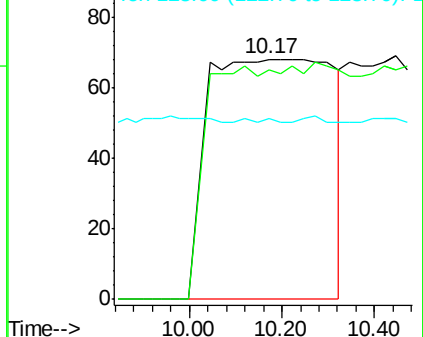
123 0.0 100.2 150.4#

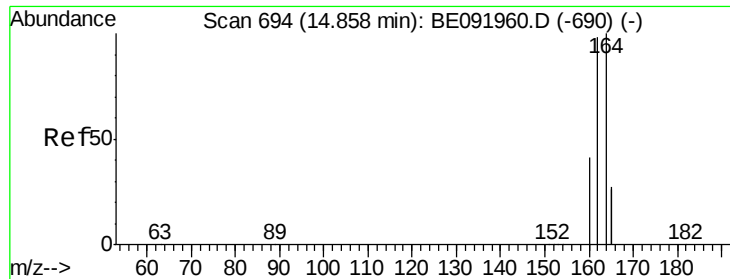


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

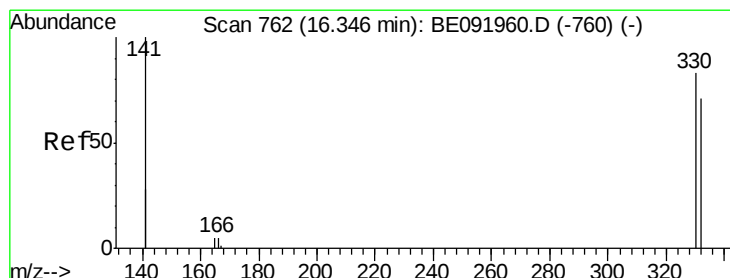
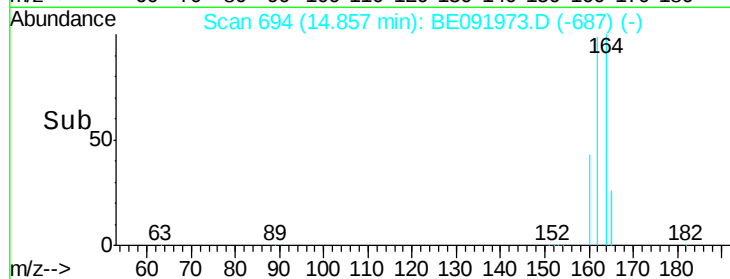
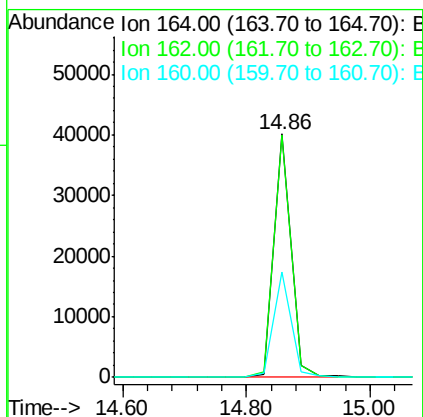
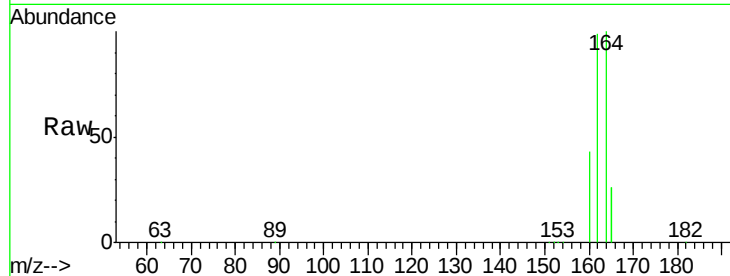




#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.00 min
Lab File: BE091973.D
Acq: 5 Jul 2016 22:22

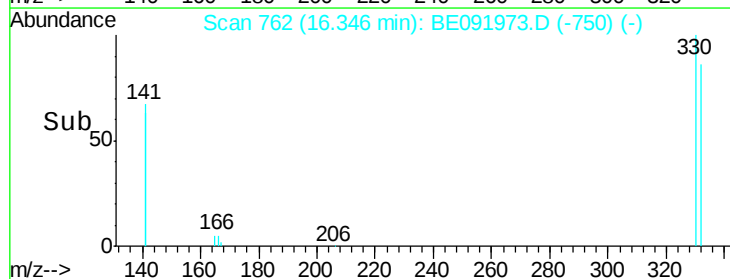
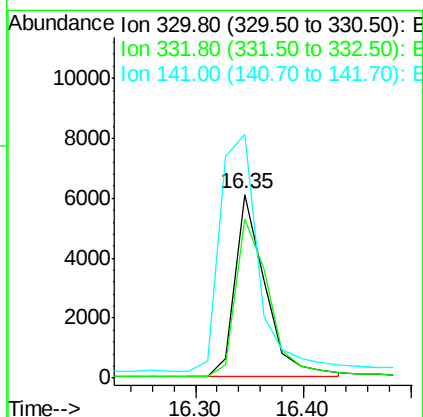
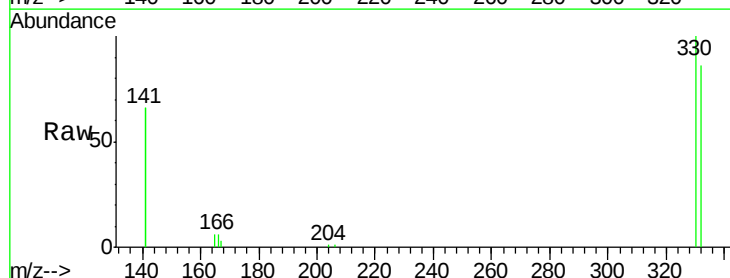
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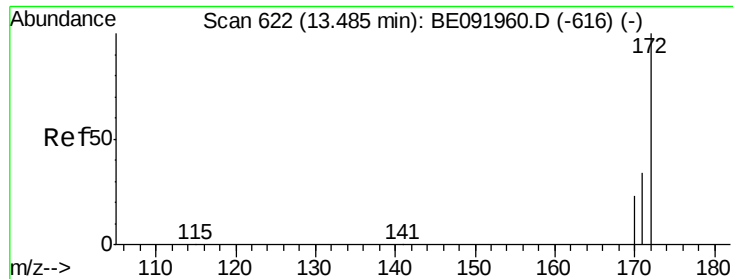
Tgt Ion:164 Resp: 77686
Ion Ratio Lower Upper
164 100
162 99.5 71.8 107.8
160 43.1 28.0 42.0#



#16
2,4,6-Tribromophenol
Concen: 4.32 ng
RT: 16.35 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE091973.D
Acq: 5 Jul 2016 22:22

Tgt Ion:330 Resp: 11827
Ion Ratio Lower Upper
330 100
332 95.0 77.0 115.6
141 165.3 138.4 207.6

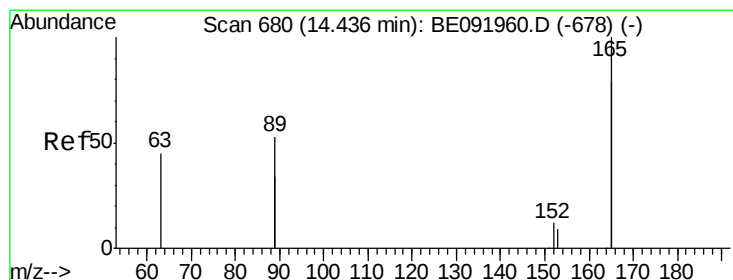
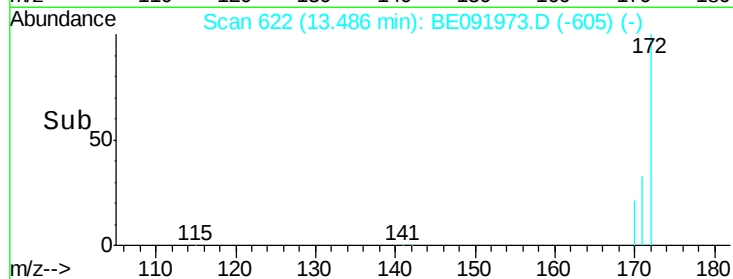
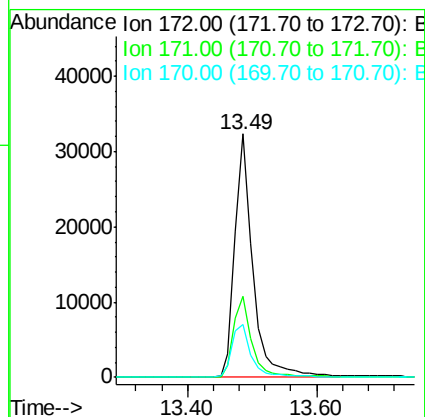
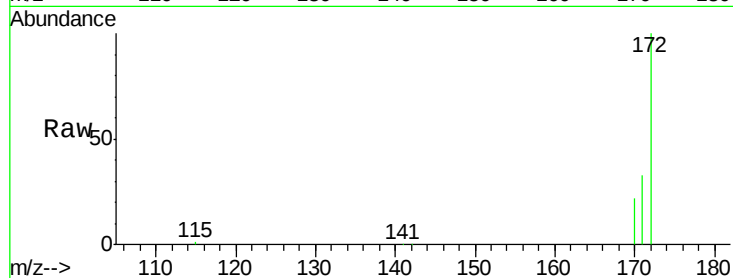




#17
2-Fluorobiphenyl
Concen: 3.25 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091973.D
Acq: 5 Jul 2016 22:22

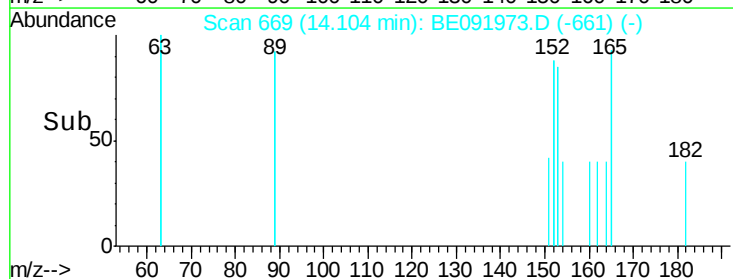
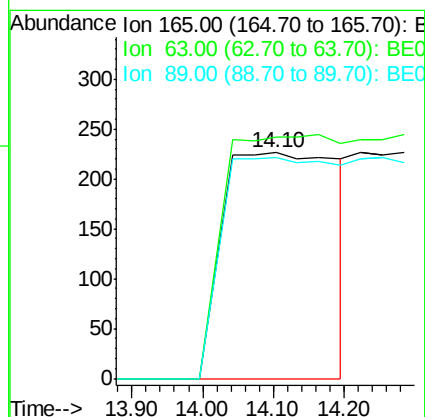
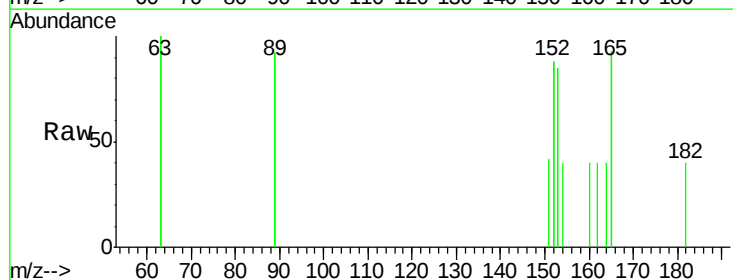
Instrument :
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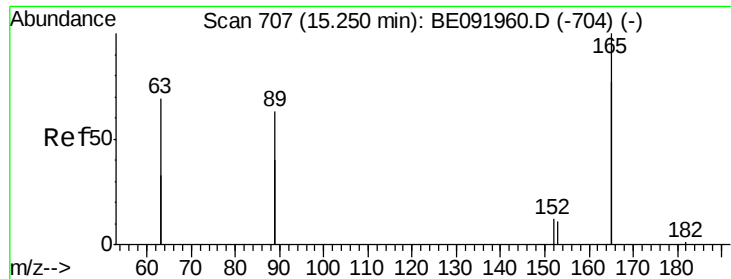
Tgt Ion:172 Resp: 61539
Ion Ratio Lower Upper
172 100
171 33.3 24.3 36.5
170 21.6 14.9 22.3



#19
2,6-Dinitrotoluene
Concen: 0.23 ng
RT: 14.10 min Scan# 669
Delta R.T. -0.33 min
Lab File: BE091973.D
Acq: 5 Jul 2016 22:22

Tgt Ion:165 Resp: 2414
Ion Ratio Lower Upper
165 100
63 0.0 65.9 98.9#
89 98.1 59.1 88.7#

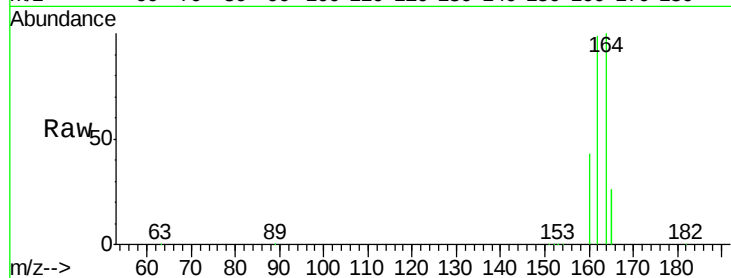




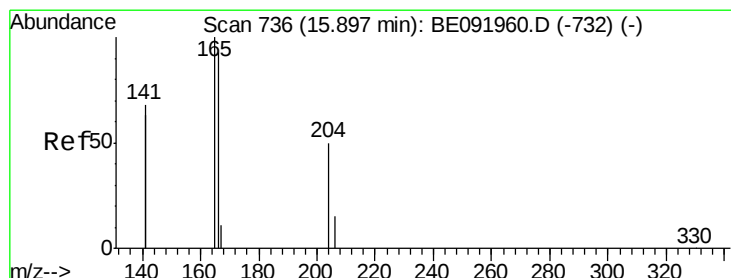
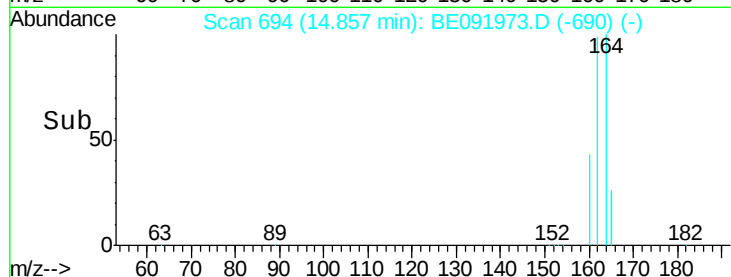
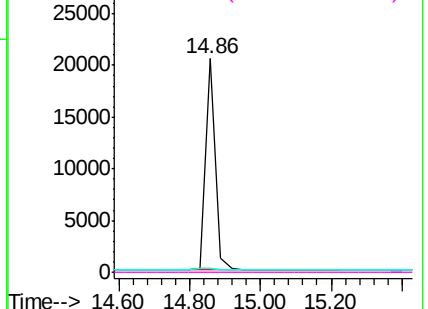
#21
2,4-Dinitrotoluene
Concen: 1.75 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.39 min
Lab File: BE091973.D
Acq: 5 Jul 2016 22:22

Instrument :
BNA_E
ClientSampleId :
PB91544BL

Tgt Ion:165 Resp: 40082
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 1.5 99.8 149.8#
182 0.0 0.0 0.0

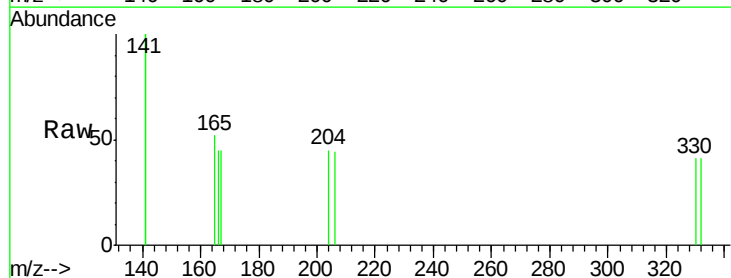


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

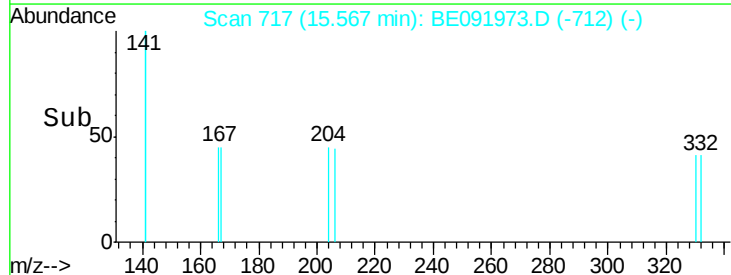
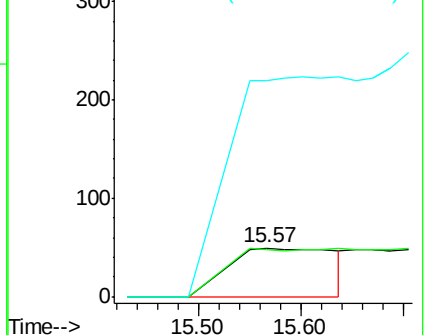


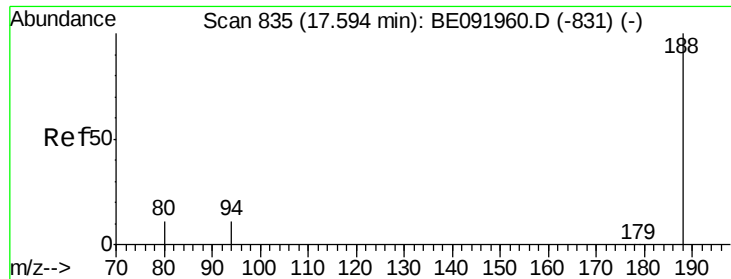
#23
4-Chlorophenyl-phenylether
Concen: 0.04 ng
RT: 15.57 min Scan# 717
Delta R.T. -0.33 min
Lab File: BE091973.D
Acq: 5 Jul 2016 22:22

Tgt Ion:204 Resp: 419
Ion Ratio Lower Upper
204 100
206 64.4 27.8 41.6#
141 0.0 197.6 296.4#



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

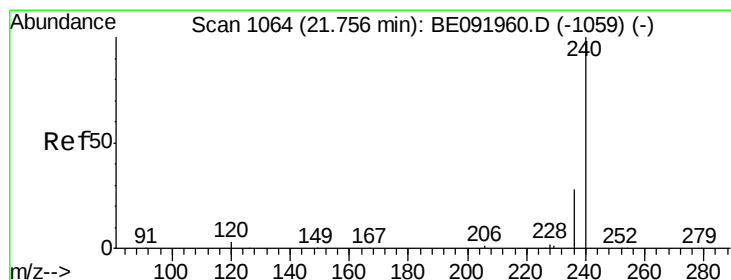
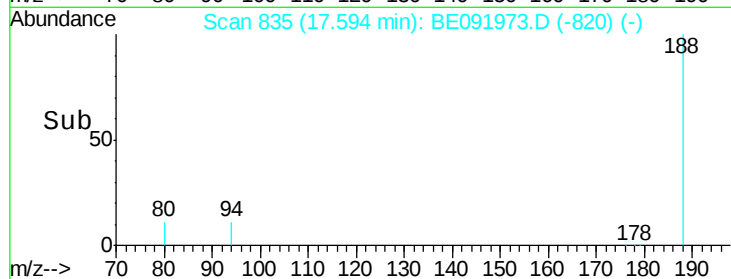
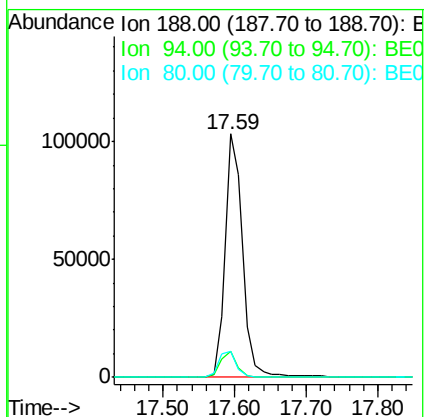
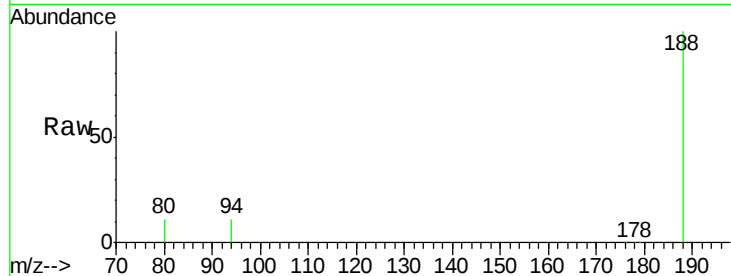




#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.59 min Scan# 835
Delta R.T. -0.00 min
Lab File: BE091973.D
Acq: 5 Jul 2016 22:22

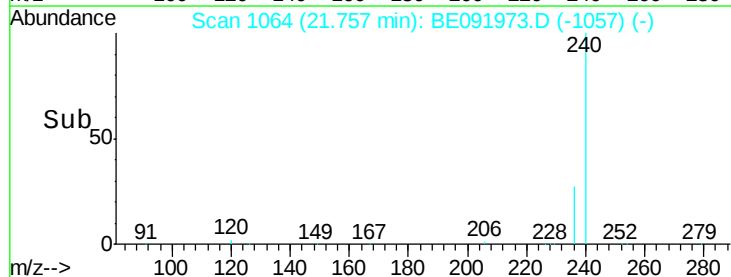
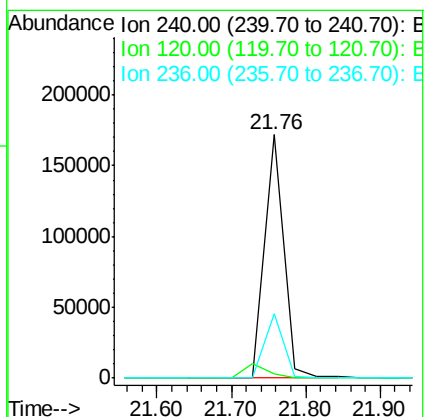
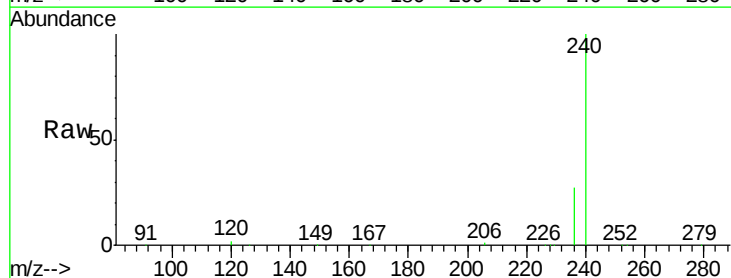
Instrument :
BNA_E
ClientSampleId :
PB91544BL

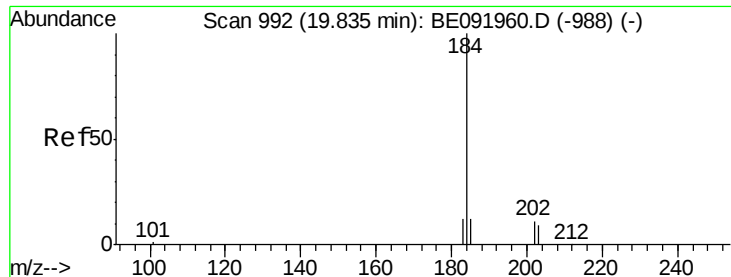
Tgt Ion:188 Resp: 174057
Ion Ratio Lower Upper
188 100
94 10.7 4.1 6.1#
80 10.7 3.4 5.2#



#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BE091973.D
Acq: 5 Jul 2016 22:22

Tgt Ion:240 Resp: 311115
Ion Ratio Lower Upper
240 100
120 1.7 1.2 1.8
236 26.7 19.8 29.8





#32

Benzidine

Concen: 0.30 ng

RT: 20.20 min Scan# 1008

Delta R.T. 0.36 min

Lab File: BE091973.D

Acq: 5 Jul 2016 22:22

Instrument :

BNA_E

ClientSampleId :

PB91544BL

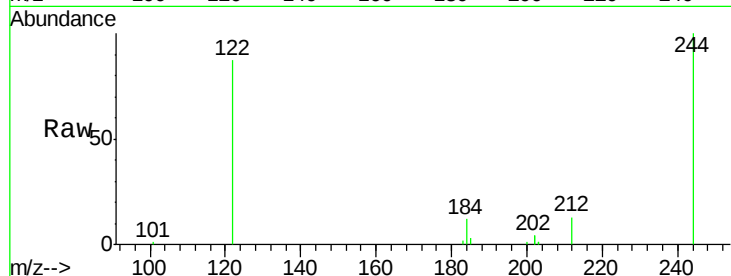
Tgt Ion:184 Resp: 2256

Ion Ratio Lower Upper

184 100

185 20.7 11.4 17.2#

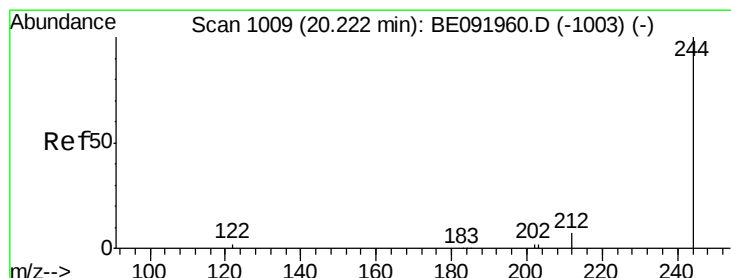
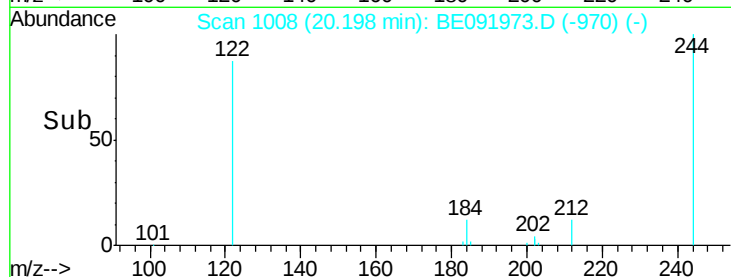
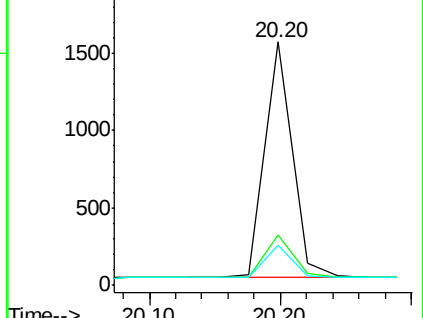
183 16.4 11.8 17.6



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: 2.93 ng

RT: 20.22 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE091973.D

Acq: 5 Jul 2016 22:22

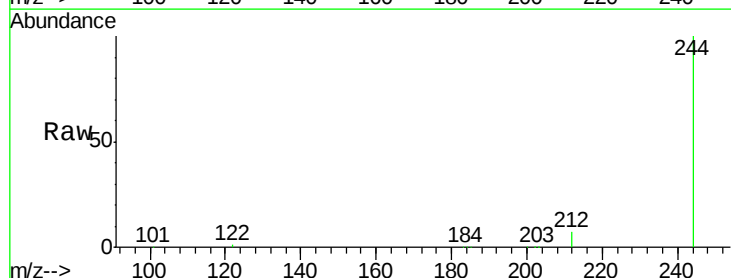
Tgt Ion:244 Resp: 107381

Ion Ratio Lower Upper

244 100

212 6.7 6.5 9.7

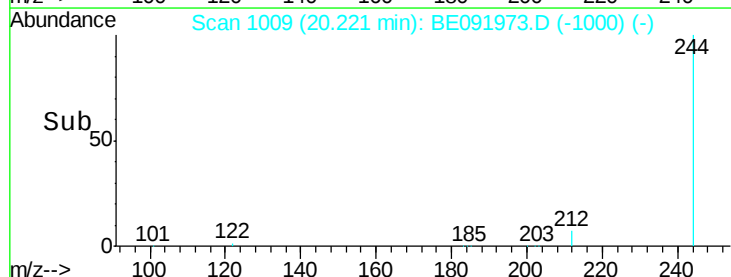
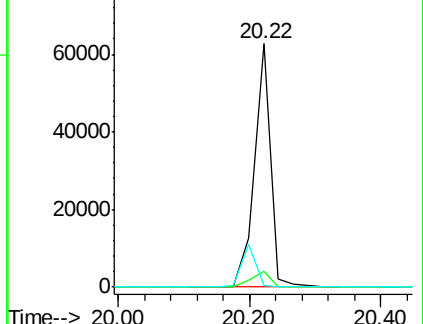
122 0.7 2.9 4.3#

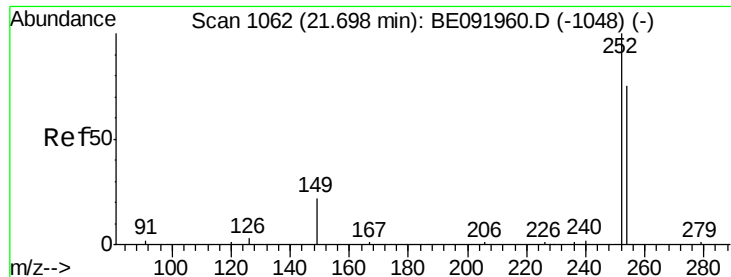


Abundance Ion 244.00 (243.70 to 244.70): E

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: 21.70 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BE091973.D

Acq: 5 Jul 2016 22:22

Instrument :

BNA_E

ClientSampleId :

PB91544BL

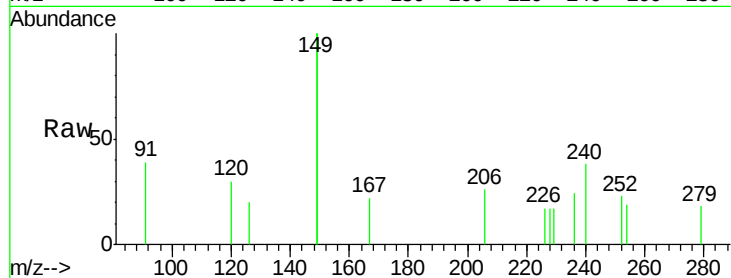
Tgt Ion:252 Resp: 55

Ion Ratio Lower Upper

252 100

254 80.0 61.5 92.3

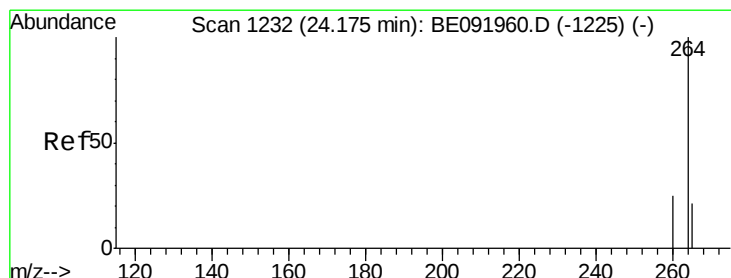
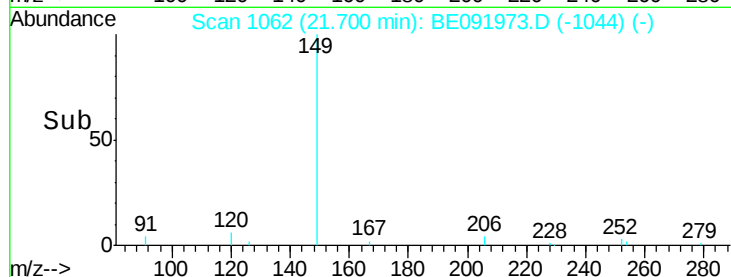
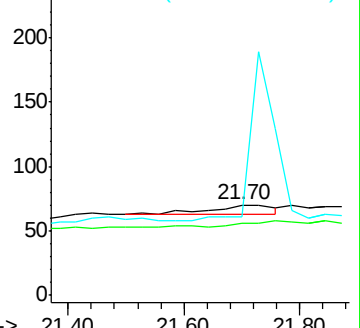
126 87.1 2.5 3.7#



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: BE091973.D

Acq: 5 Jul 2016 22:22

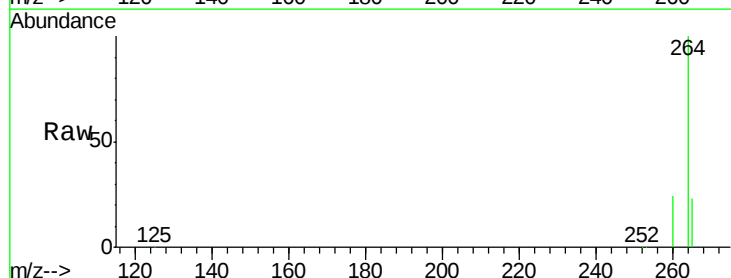
Tgt Ion:264 Resp: 244013

Ion Ratio Lower Upper

264 100

260 24.4 20.3 30.5

265 22.5 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

