

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070916\
 Data File : BE091992.D
 Acq On : 9 Jul 2016 10:55
 Operator : UM/SJ
 Sample : PB91976BL
 Misc : 4X internal std added
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91976BL

Quant Time: Jul 11 08:57:44 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	21855	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	98901	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	71090	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	153246	5.00	ng	0.00
31) Chrysene-d12	21.76	240	260304	5.00	ng	0.00
40) Perylene-d12	24.18	264	189551	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	23869	4.57	ng	0.00
5) Phenol-d6	7.35	99	32806	4.52	ng	-0.02
9) Nitrobenzene-d5	9.37	82	18033	2.68	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	10717	4.28	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	51120	2.95	ng	0.00
34) Terphenyl-d14	20.22	244	106424	3.47	ng	0.00

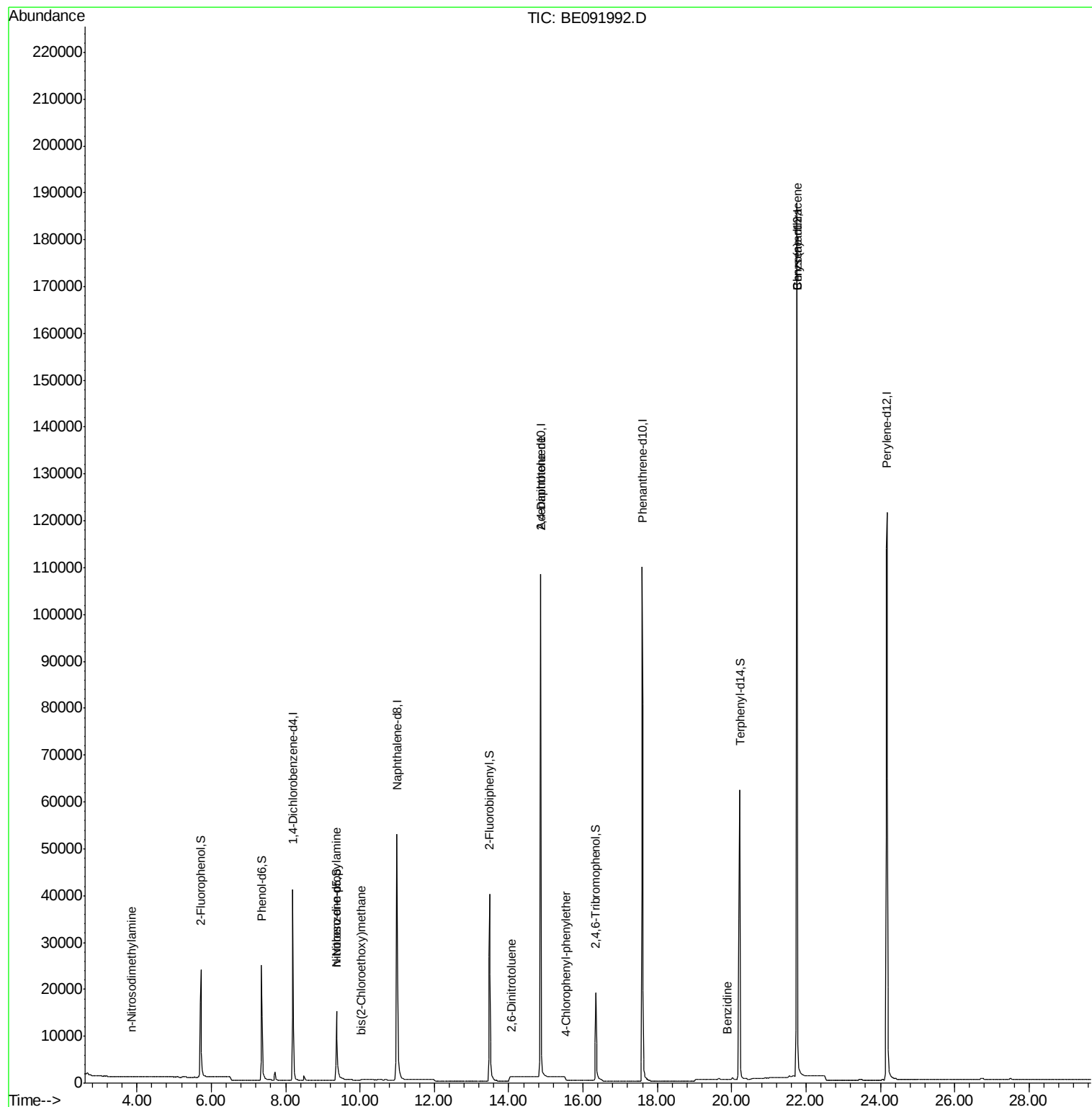
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.85	42	21	0.04	ng	# 1
7) n-Nitroso-di-n-propylamine	9.37	70	2217	0.37	ng	# 88
11) bis(2-Chloroethoxy)methane	10.05	93	629	0.08	ng	# 1
19) 2,6-Dinitrotoluene	14.07	165	1955	0.22	ng	# 81
21) 2,4-Dinitrotoluene	14.86	165	37325	1.77	ng	# 1
23) 4-Chlorophenyl-phenylether	15.55	204	320	0.03	ng	# 1
32) Benzidine	19.88	184	191	0.22	ng	# 1
35) Benzo(a)anthracene	21.76	228	1084	0.02	ng	# 71
36) 3,3'-Dichlorobenzidine	21.70	252	64	Below Cal		# 84

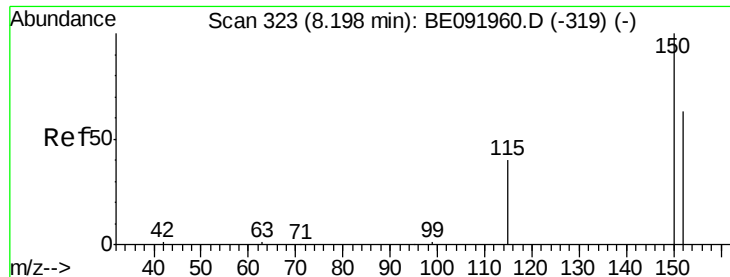
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091992.D

Acq: 9 Jul 2016 10:55

Instrument :

BNA_E

ClientSampleId :

PB91976BL

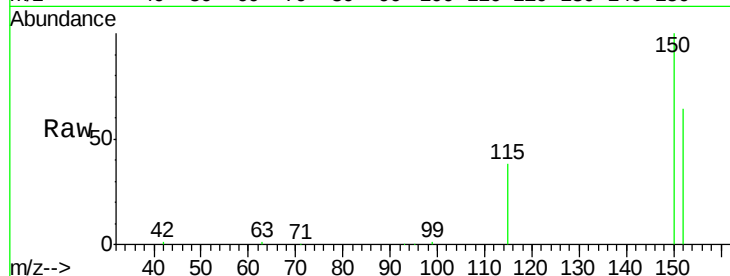
Tgt Ion:152 Resp: 21855

Ion Ratio Lower Upper

152 100

150 155.3 123.9 185.9

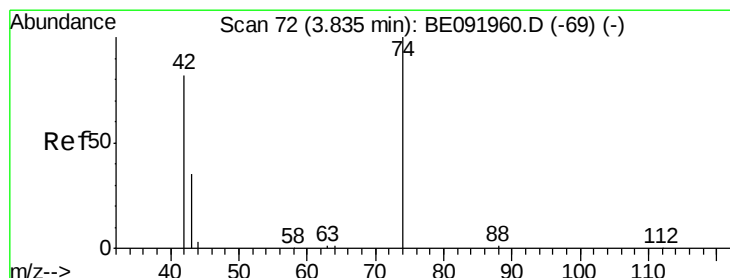
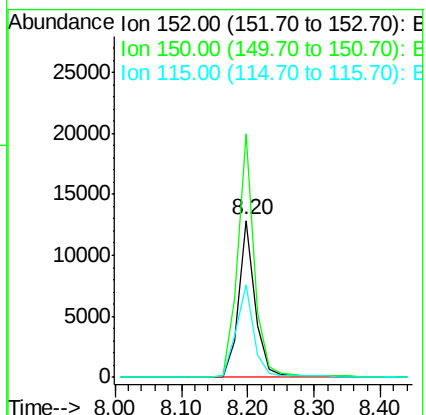
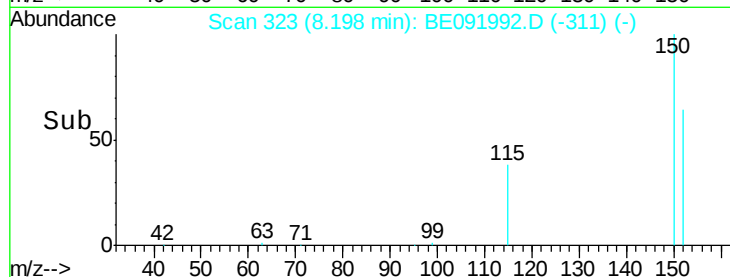
115 59.4 48.3 72.5



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: 3.85 min Scan# 73

Delta R.T. 0.02 min

Lab File: BE091992.D

Acq: 9 Jul 2016 10:55

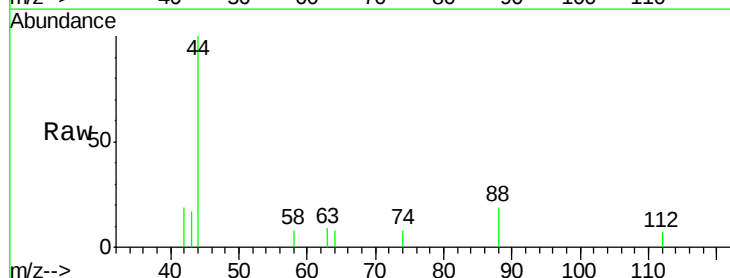
Tgt Ion: 42 Resp: 21

Ion Ratio Lower Upper

42 100

74 0.0 93.4 140.0#

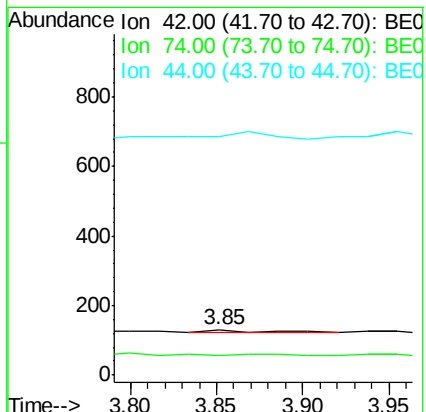
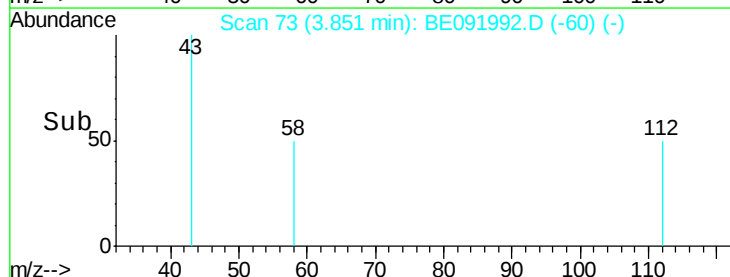
44 0.0 5.0 7.6#

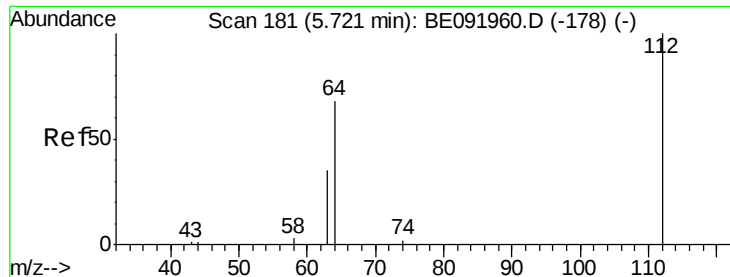


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 4.57 ng

RT: 5.72 min Scan# 181

Delta R.T. -0.00 min

Lab File: BE091992.D

Acq: 9 Jul 2016 10:55

Instrument :

BNA_E

ClientSampled :

PB91976BL

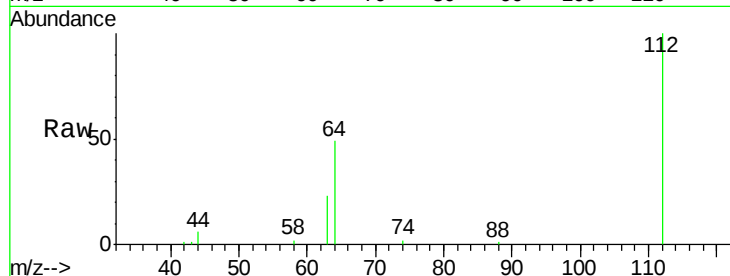
Tgt Ion: 112 Resp: 23869

Ion Ratio Lower Upper

112 100

64 66.9 53.7 80.5

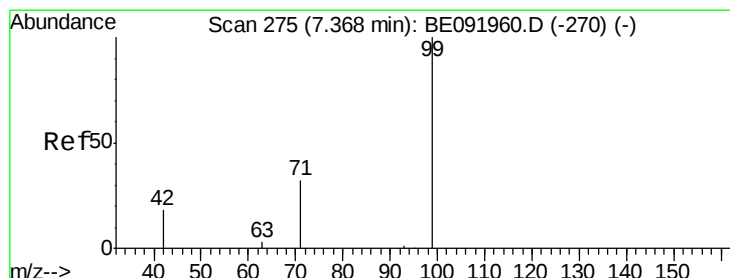
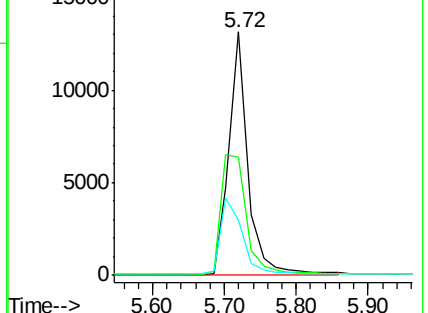
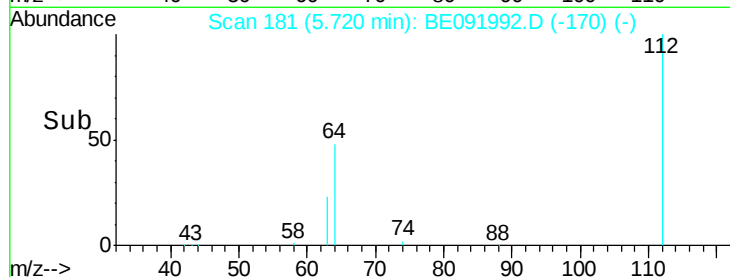
63 36.4 29.5 44.3



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: 4.52 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE091992.D

Acq: 9 Jul 2016 10:55

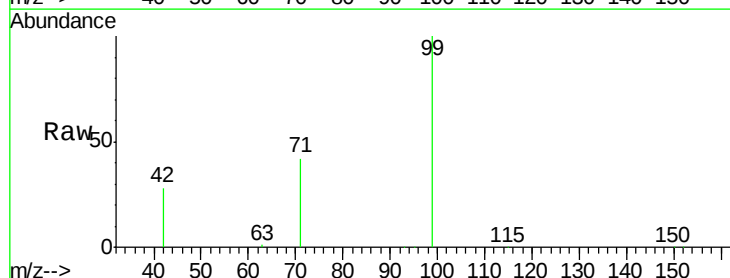
Tgt Ion: 99 Resp: 32806

Ion Ratio Lower Upper

99 100

42 25.2 19.6 29.4

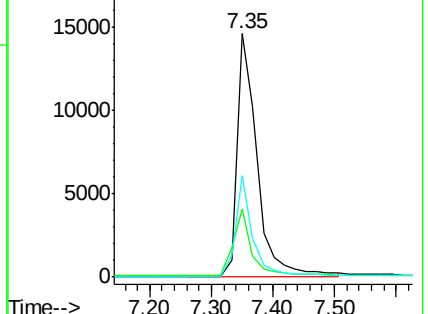
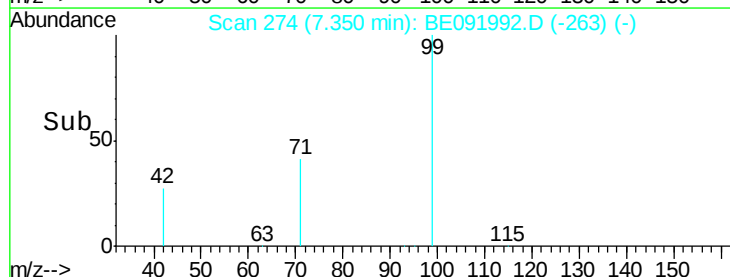
71 35.6 28.1 42.1

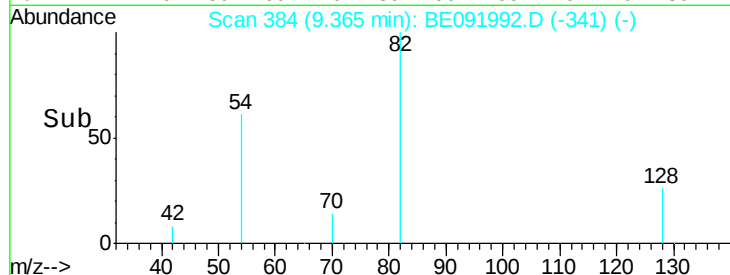
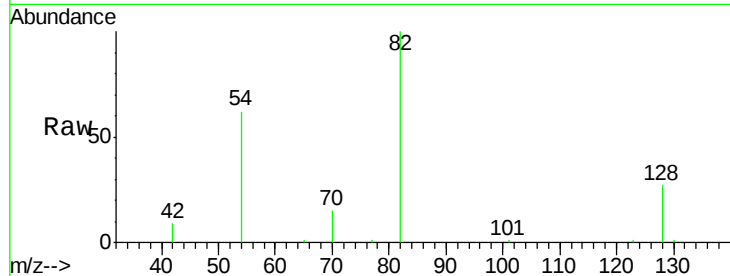
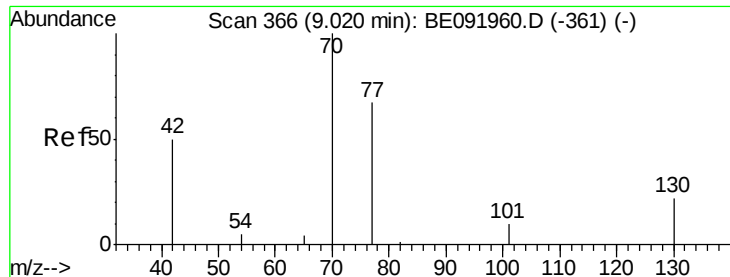


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 0.37 ng

RT: 9.37 min Scan# 384

Delta R.T. 0.35 min

Lab File: BE091992.D

Acq: 9 Jul 2016 10:55

Instrument :

BNA_E

ClientSampleId :

PB91976BL

Tgt Ion: 70 Resp: 2217

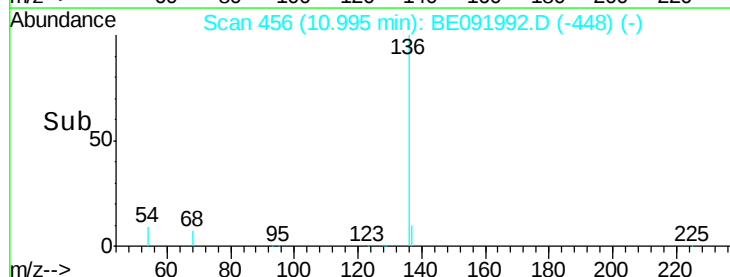
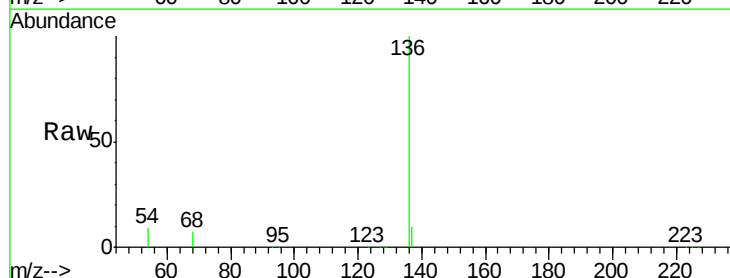
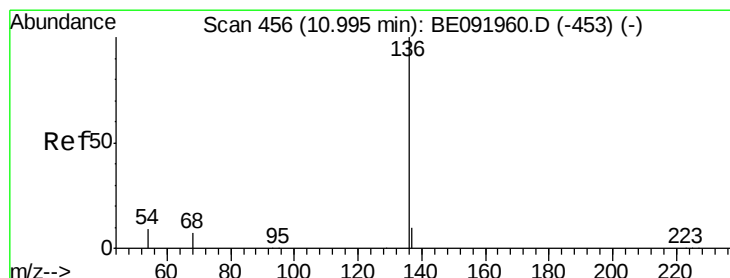
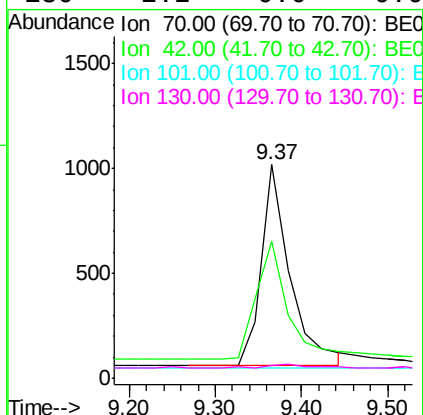
Ion Ratio Lower Upper

70 100

42 64.3 58.4 87.6

101 0.0 6.4 9.6#

130 2.2 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: BE091992.D

Acq: 9 Jul 2016 10:55

Tgt Ion: 136 Resp: 98901

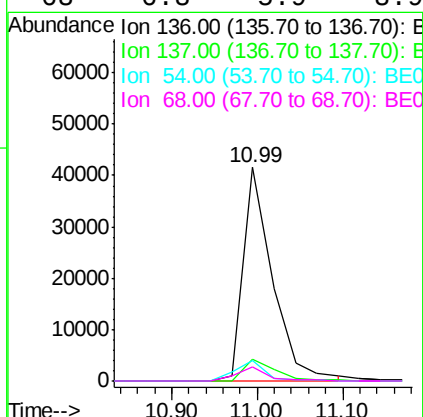
Ion Ratio Lower Upper

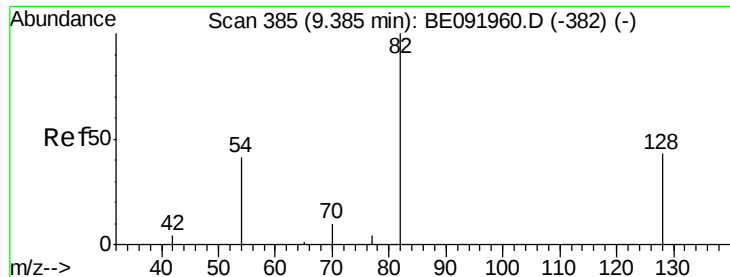
136 100

137 10.1 8.3 12.5

54 9.4 8.2 12.4

68 6.8 5.9 8.9





#9

Nitrobenzene-d5

Concen: 2.68 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091992.D

Acq: 9 Jul 2016 10:55

Instrument :

BNA_E

ClientSampleId :

PB91976BL

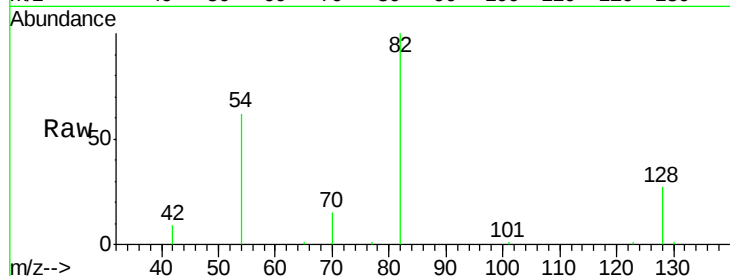
Tgt Ion: 82 Resp: 18033

Ion Ratio Lower Upper

82 100

128 27.0 39.5 59.3#

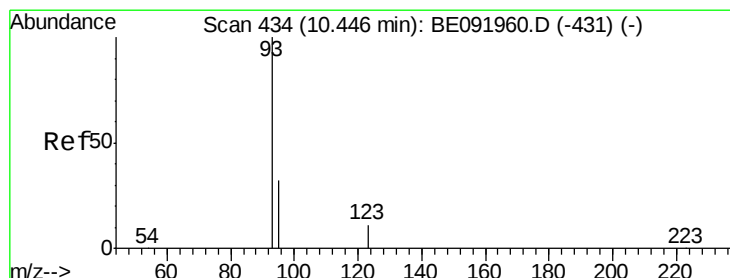
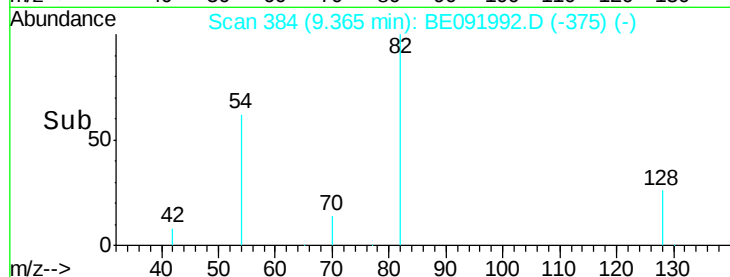
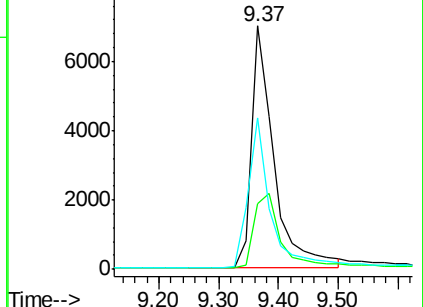
54 62.1 30.3 45.5#



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: 0.08 ng

RT: 10.05 min Scan# 418

Delta R.T. -0.40 min

Lab File: BE091992.D

Acq: 9 Jul 2016 10:55

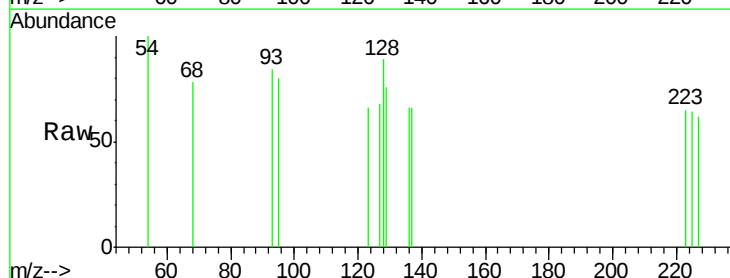
Tgt Ion: 93 Resp: 629

Ion Ratio Lower Upper

93 100

95 0.0 57.6 86.4#

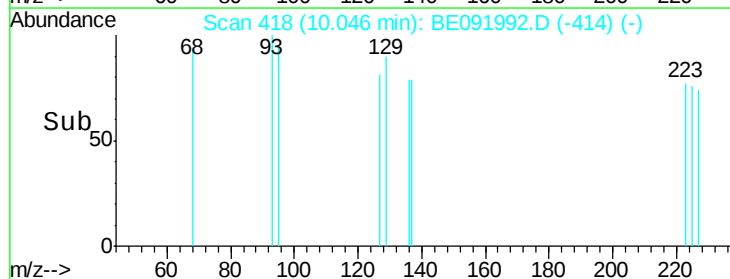
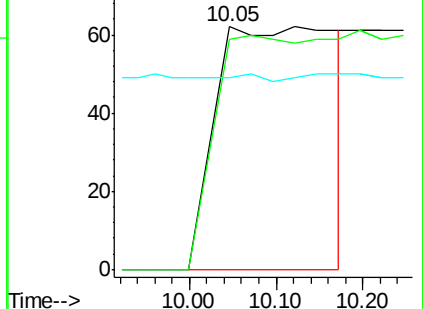
123 0.0 100.2 150.4#

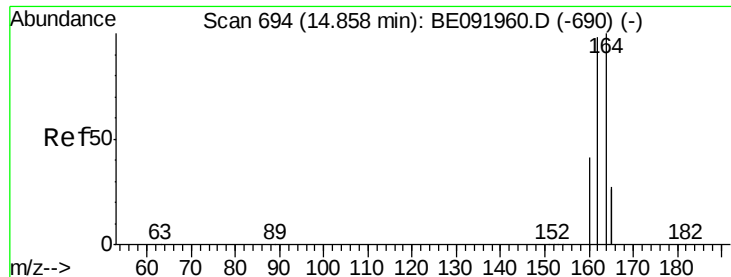


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

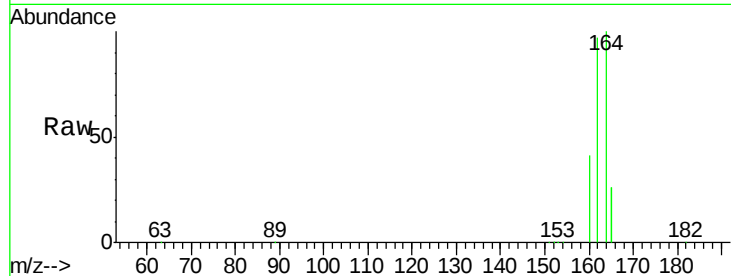




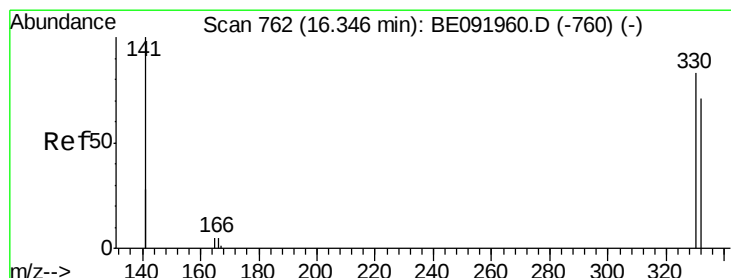
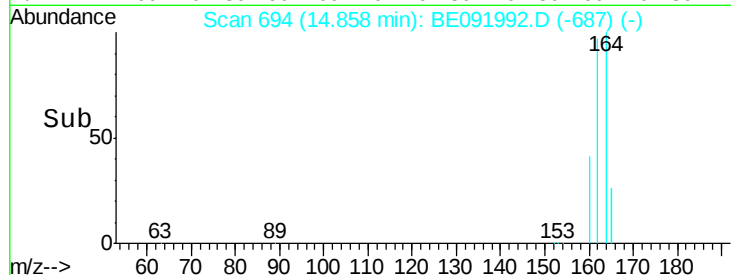
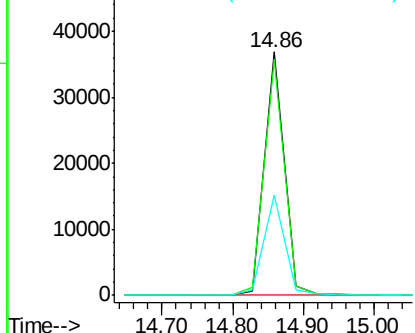
#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. 0.00 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Instrument :
BNA_E
ClientSampleId :
PB91976BL

Tgt Ion:164 Resp: 71090
Ion Ratio Lower Upper
164 100
162 96.7 71.8 107.8
160 41.2 28.0 42.0

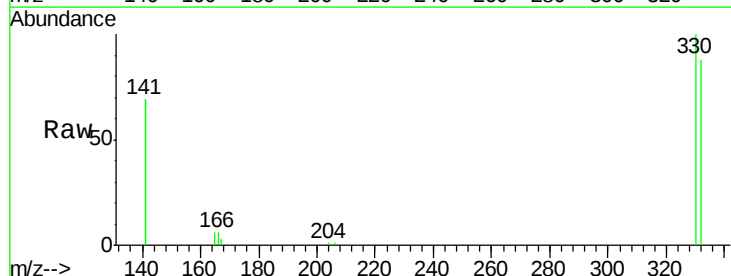


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

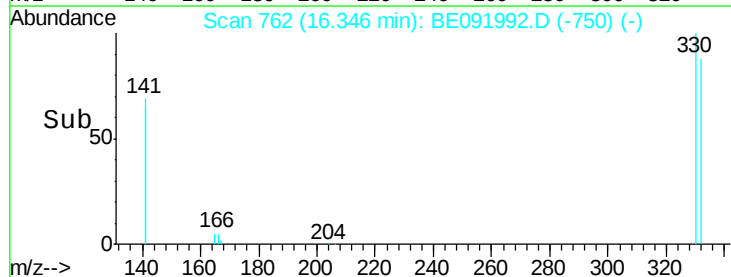
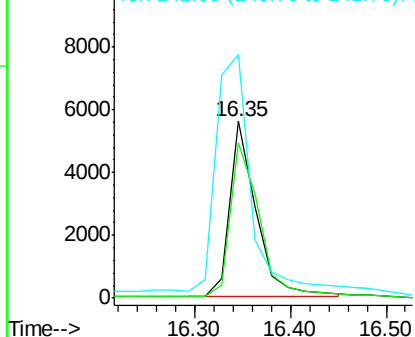


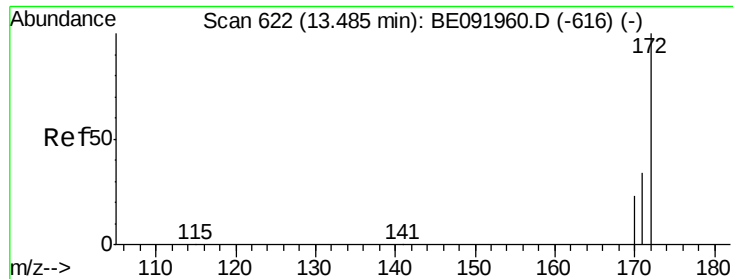
#16
2,4,6-Tribromophenol
Concen: 4.28 ng
RT: 16.35 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Tgt Ion:330 Resp: 10717
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.6
141 172.5 138.4 207.6



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

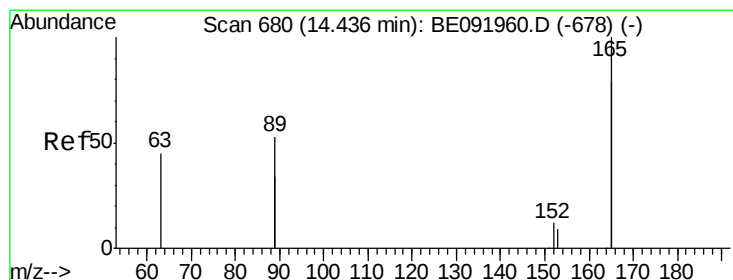
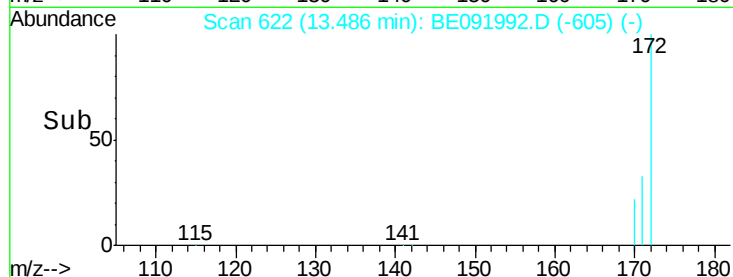
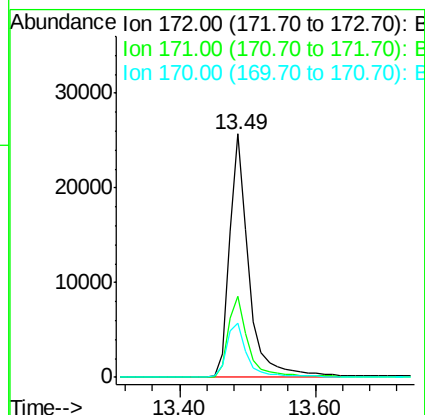
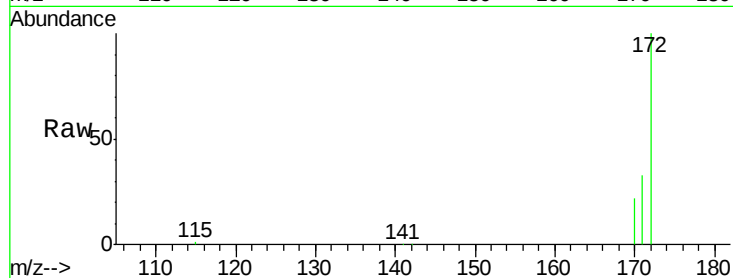




#17
2-Fluorobiphenyl
Concen: 2.95 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

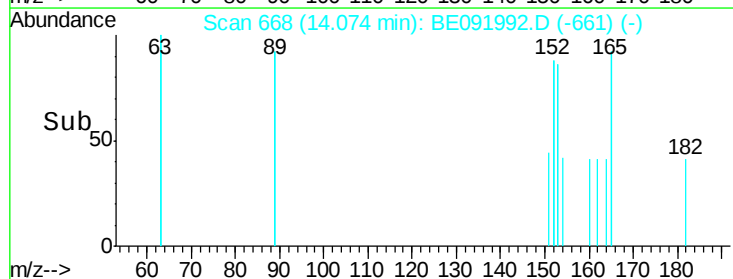
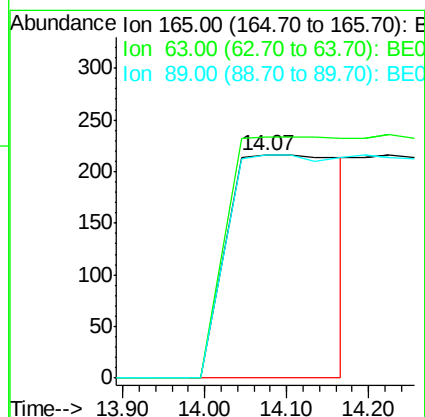
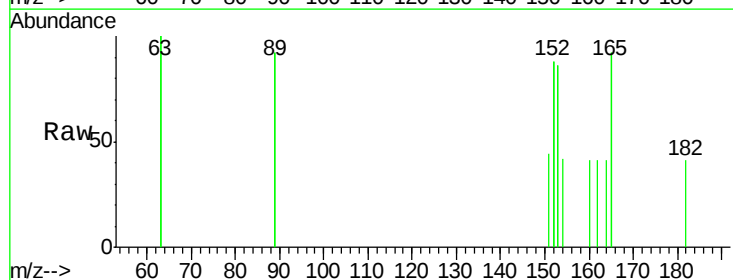
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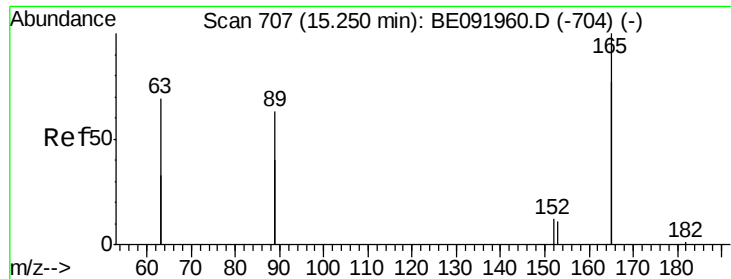
Tgt Ion:172 Resp: 51120
Ion Ratio Lower Upper
172 100
171 33.4 24.3 36.5
170 22.1 14.9 22.3



#19
2,6-Dinitrotoluene
Concen: 0.22 ng
RT: 14.07 min Scan# 668
Delta R.T. -0.36 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Tgt Ion:165 Resp: 1955
Ion Ratio Lower Upper
165 100
63 108.5 65.9 98.9#
89 79.6 59.1 88.7

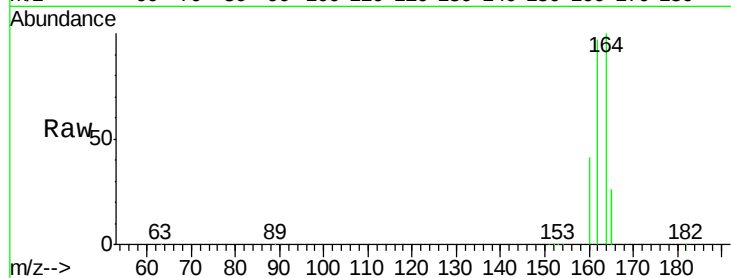




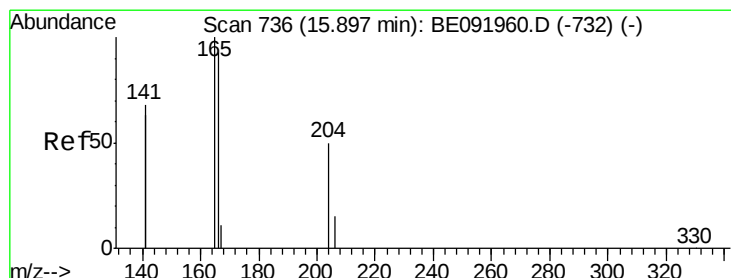
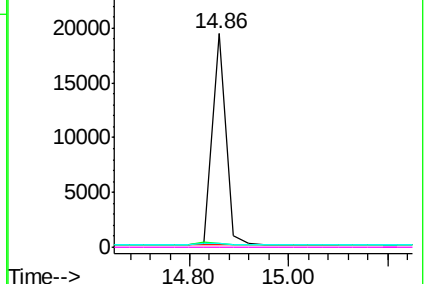
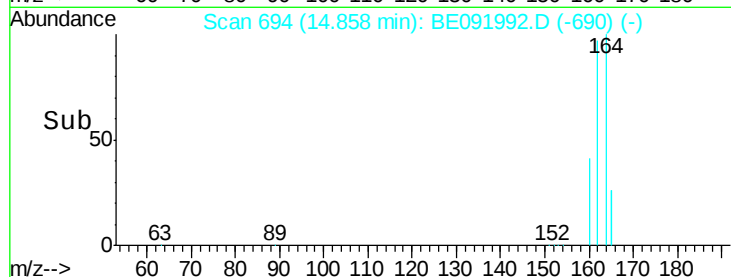
#21
2,4-Dinitrotoluene
Concen: 1.77 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.39 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Instrument :
BNA_E
ClientSampleId :
PB91976BL

Tgt Ion:165 Resp: 37325
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

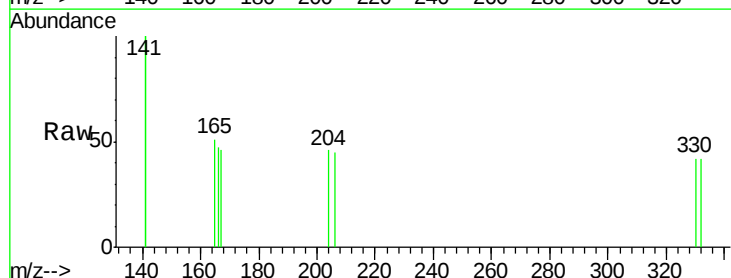


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

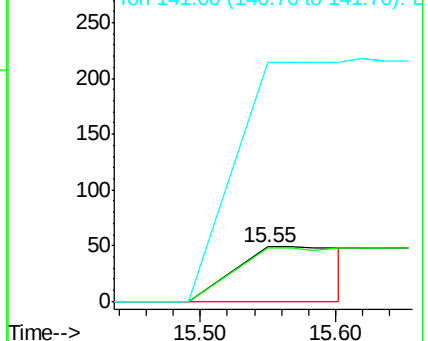
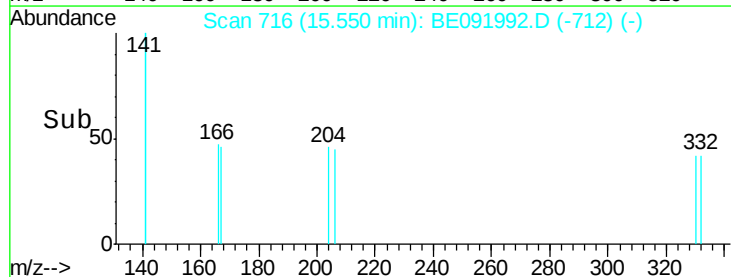


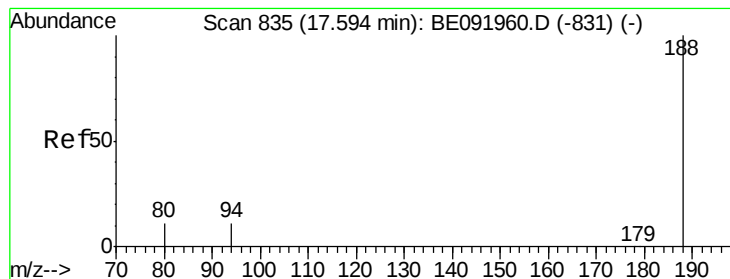
#23
4-Chlorophenyl-phenylether
Concen: 0.03 ng
RT: 15.55 min Scan# 716
Delta R.T. -0.35 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Tgt Ion:204 Resp: 320
Ion Ratio Lower Upper
204 100
206 82.2 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: BE091992.D

Acq: 9 Jul 2016 10:55

Instrument :

BNA_E

ClientSampleId :

PB91976BL

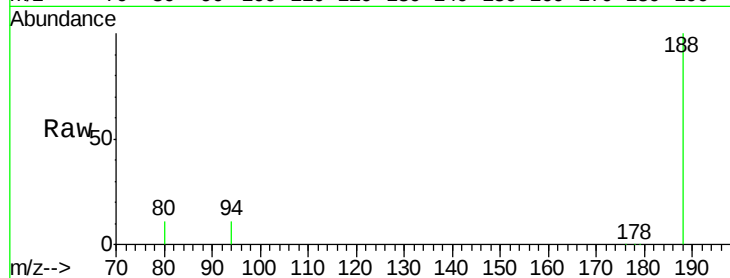
Tgt Ion:188 Resp: 153246

Ion Ratio Lower Upper

188 100

94 10.9 4.1 6.1#

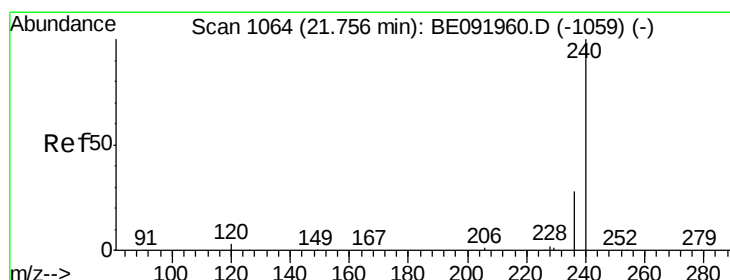
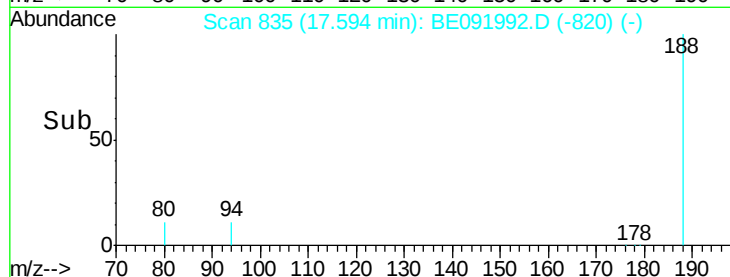
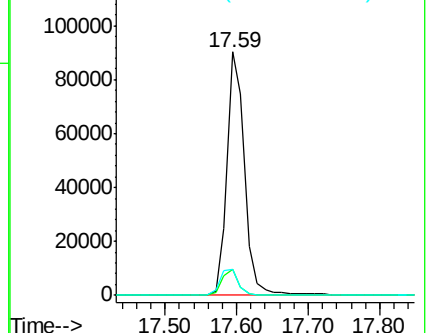
80 10.7 3.4 5.2#



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: BE091992.D

Acq: 9 Jul 2016 10:55

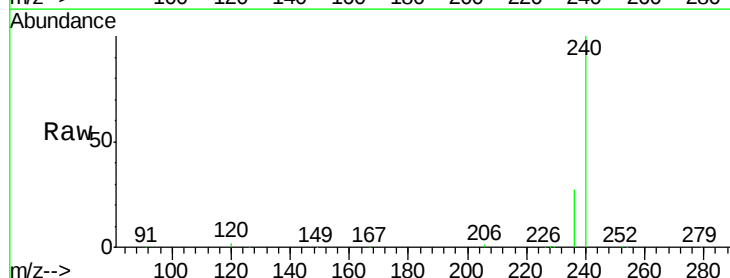
Tgt Ion:240 Resp: 260304

Ion Ratio Lower Upper

240 100

120 1.6 1.2 1.8

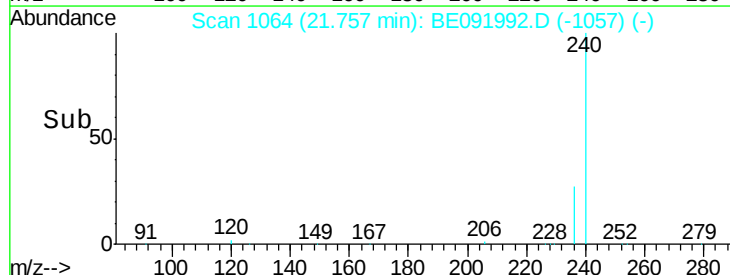
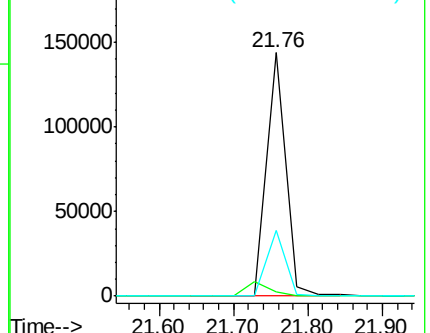
236 27.0 19.8 29.8

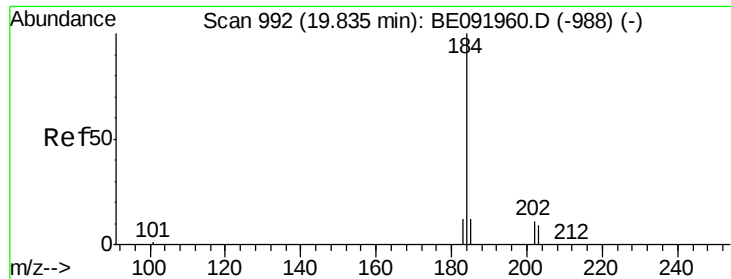


Abundance Ion 240.00 (239.70 to 240.70): E

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: 19.88 min Scan# 994

Delta R.T. 0.05 min

Lab File: BE091992.D

Acq: 9 Jul 2016 10:55

Instrument :

BNA_E

ClientSampleId :

PB91976BL

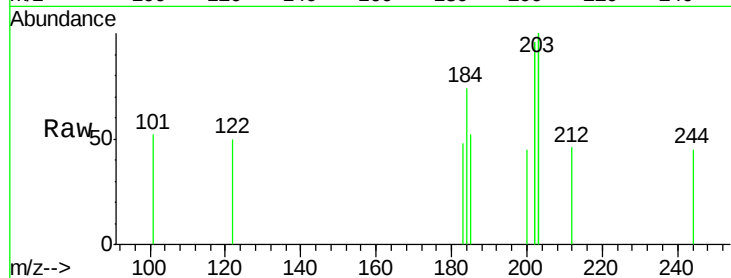
Tgt Ion:184 Resp: 191

Ion Ratio Lower Upper

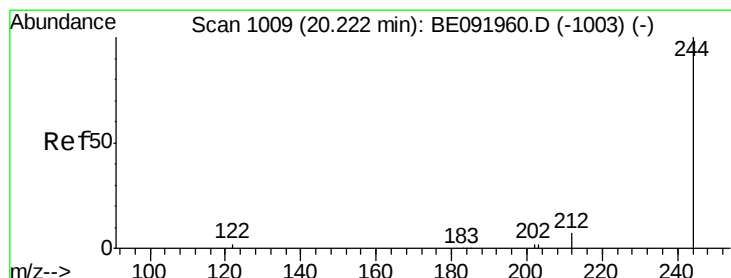
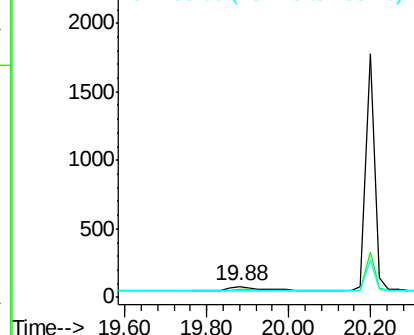
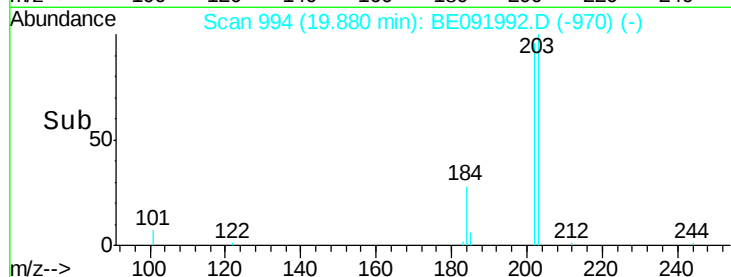
184 100

185 70.5 11.4 17.2#

183 64.1 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: 3.47 ng

RT: 20.22 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE091992.D

Acq: 9 Jul 2016 10:55

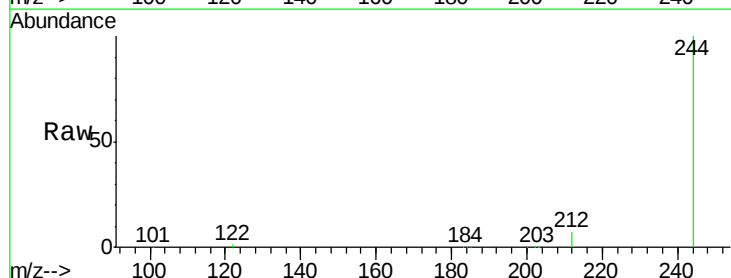
Tgt Ion:244 Resp: 106424

Ion Ratio Lower Upper

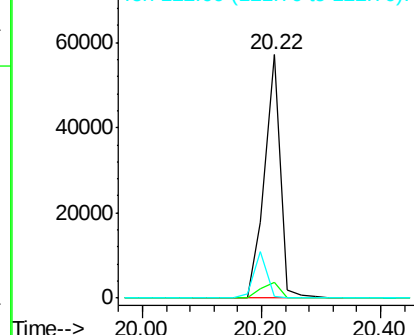
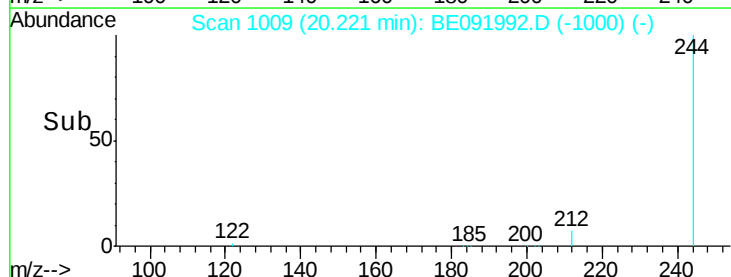
244 100

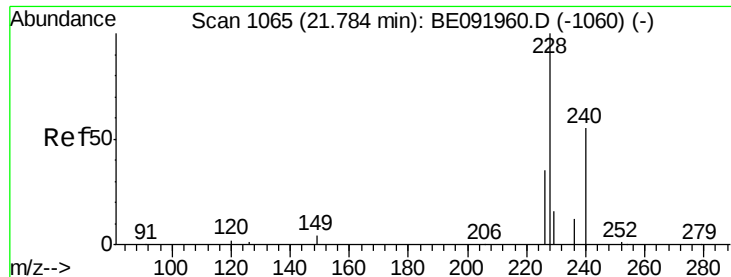
212 6.7 6.5 9.7

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





#35

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.03 min

Lab File: BE091992.D

Acq: 9 Jul 2016 10:55

Instrument :

BNA_E

ClientSampleId :

PB91976BL

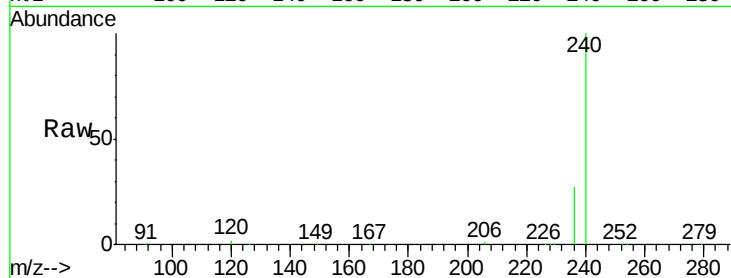
Tgt Ion:228 Resp: 1084

Ion Ratio Lower Upper

228 100

226 19.1 21.0 31.4#

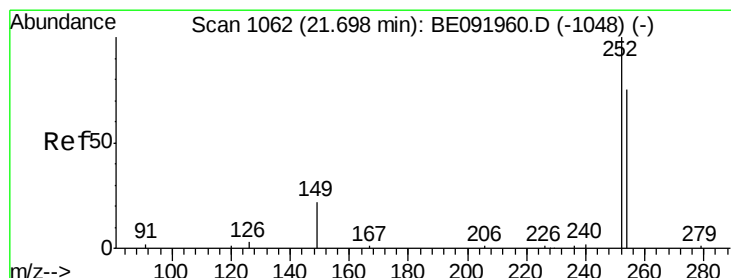
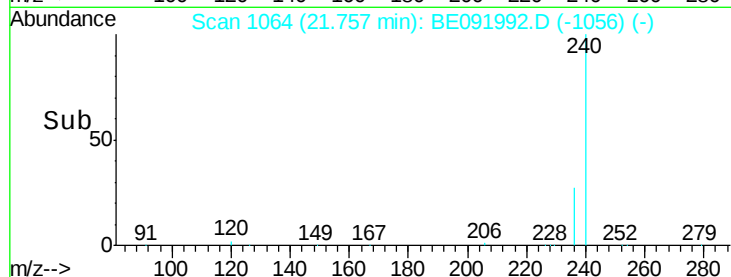
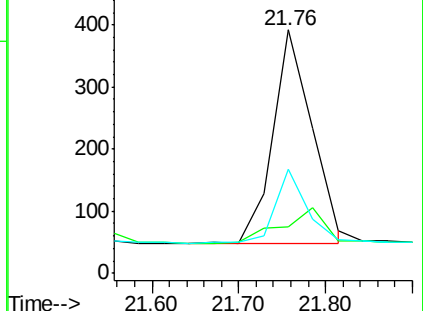
229 42.6 15.8 23.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#36

3,3'-Dichlorobenzidine

Concen: Below Cal

RT: 21.70 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BE091992.D

Acq: 9 Jul 2016 10:55

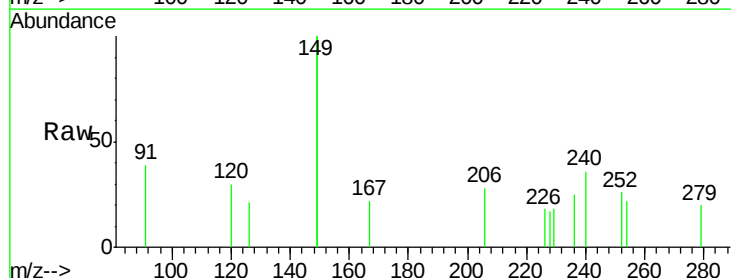
Tgt Ion:252 Resp: 64

Ion Ratio Lower Upper

252 100

254 83.3 61.5 92.3

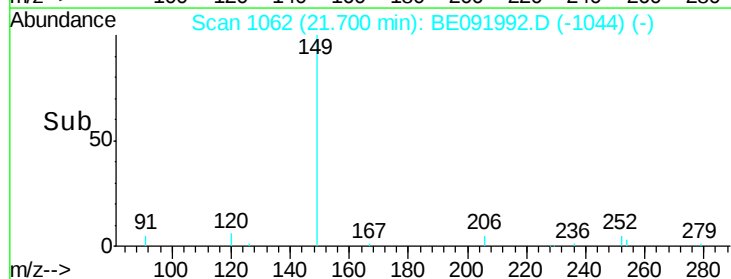
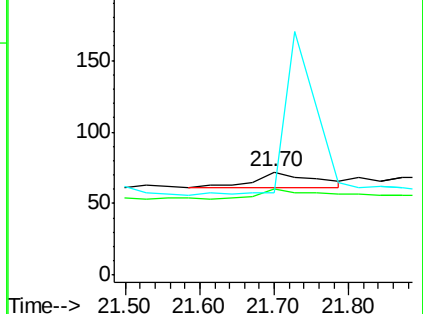
126 80.6 2.5 3.7#

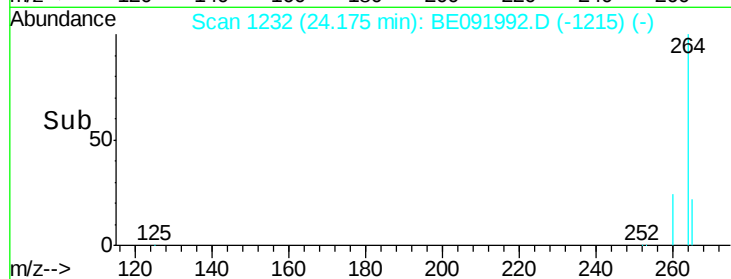
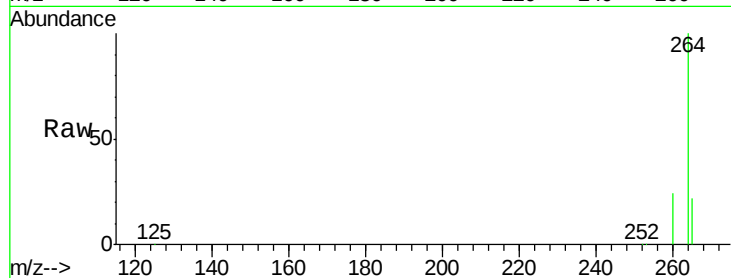
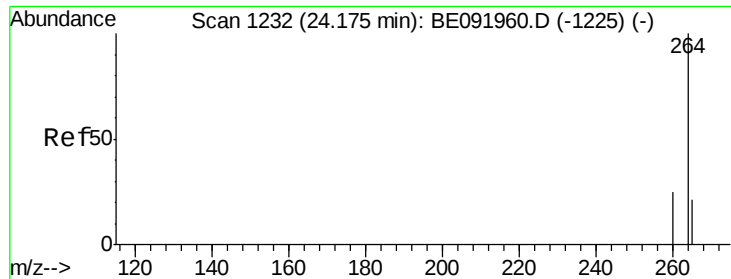


Abundance Ion 252.00 (251.70 to 252.70): E

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: BE091992.D

Acq: 9 Jul 2016 10:55

Instrument :

BNA_E

ClientSampleId :

PB91976BL

Tgt Ion: 264 Resp: 189551

Ion Ratio Lower Upper

264 100

260 23.9 20.3 30.5

265 22.3 17.6 26.4

