

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070716\
 Data File : BE091988.D
 Acq On : 7 Jul 2016 19:41
 Operator : UM/SJ
 Sample : PB91509BL
 Misc : 4X internal std added
 ALS Vial : 6 Sample Multiplier: 4

Instrument :
 BNA_E
 ClientSampleId :
 PB91509BL

Quant Time: Jul 08 01:07:04 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	90822	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	396037	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	258054	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	511692	5.00	ng	0.00
31) Chrysene-d12	21.76	240	770905	5.00	ng	0.00
40) Perylene-d12	24.17	264	658666	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	730006	134.40	ng	0.00
5) Phenol-d6	7.35	99	986299	130.69	ng	-0.02
9) Nitrobenzene-d5	9.37	82	609778	90.42	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	245727	105.01	ng	0.00
17) 2-Fluorobiphenyl	13.48	172	1140804	72.49	ng	0.00
34) Terphenyl-d14	20.22	244	1642311	72.25	ng	0.00

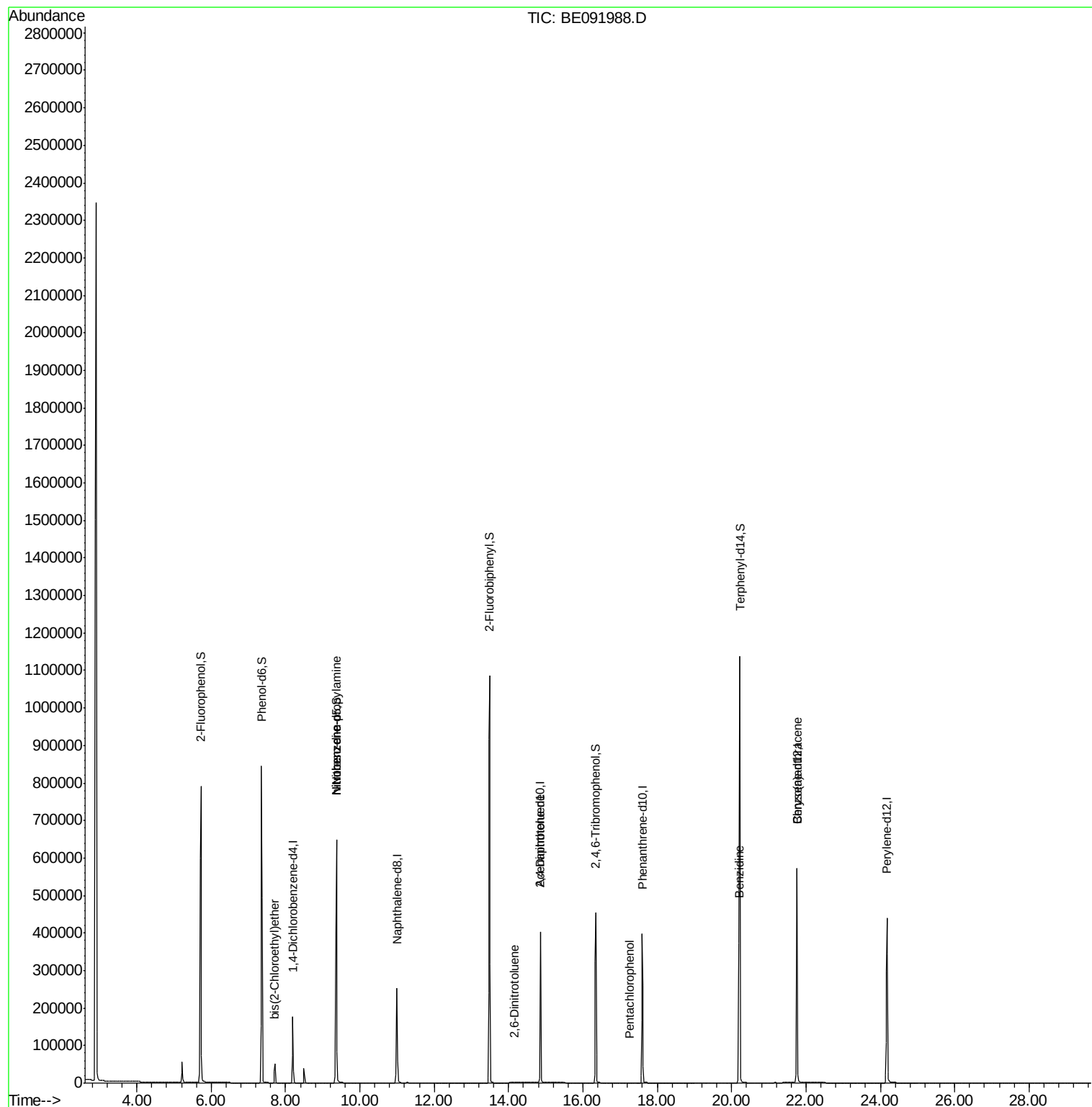
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) bis(2-Chloroethyl)ether	7.71	93	1091	0.04	ng	# 1
7) n-Nitroso-di-n-propylamine	9.37	70	84055	3.34	ng	# 81
10) Nitrobenzene	9.37	77	1897	0.06	ng	# 49
19) 2,6-Dinitrotoluene	14.16	165	4153	0.18	ng	# 10
21) 2,4-Dinitrotoluene	14.86	165	140263	1.83	ng	# 1
27) Pentachlorophenol	17.25	266	161	0.13	ng	# 59
32) Benzidine	20.20	184	29466	0.68	ng	# 97
35) Benzo(a)anthracene	21.76	228	2670	0.02	ng	# 70
36) 3,3'-Dichlorobenzidine	21.78	252	50	Below Cal		# 83

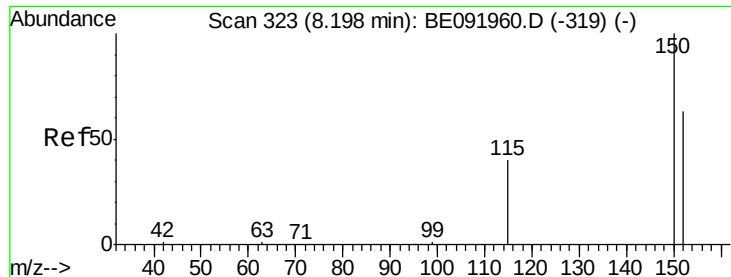
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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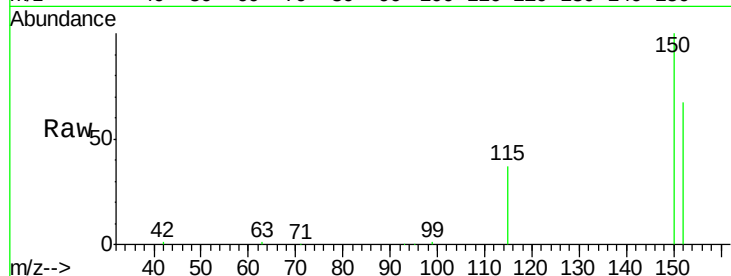


#1

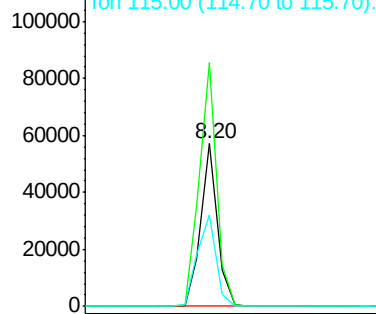
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.20 min Scan# 323
Delta R.T. 0.00 min
Lab File: BE091988.D
Acq: 7 Jul 2016 19:41

Instrument :
BNA_E
ClientSampled :
PB91509BL

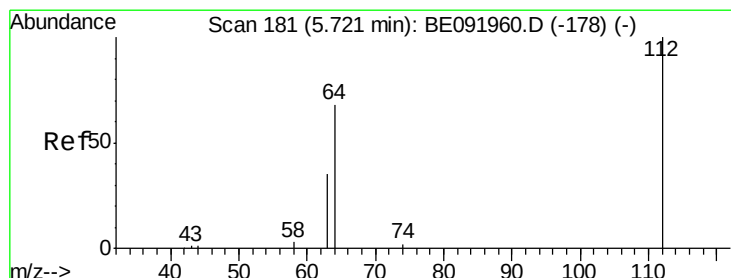
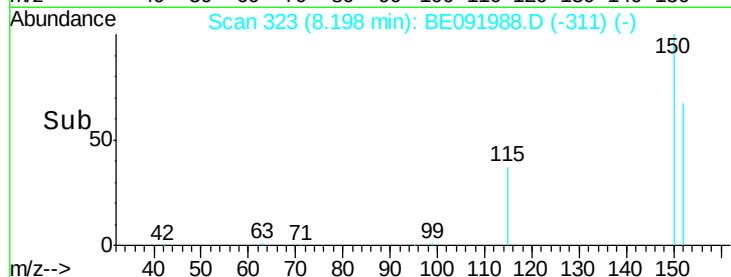
Tgt Ion:152 Resp: 90822
Ion Ratio Lower Upper
152 100
150 149.9 123.9 185.9
115 55.8 48.3 72.5



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



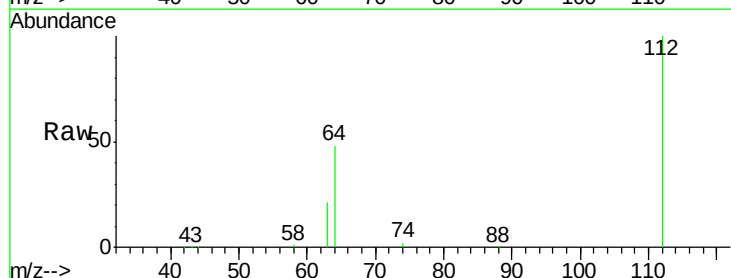
Time-->



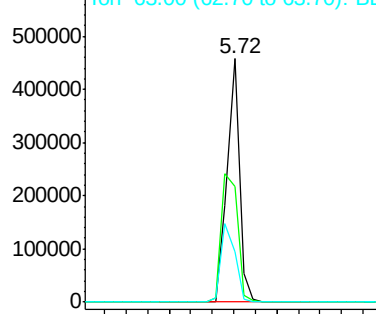
#4

2-Fluorophenol
Concen: 134.40 ng
RT: 5.72 min Scan# 181
Delta R.T. 0.00 min
Lab File: BE091988.D
Acq: 7 Jul 2016 19:41

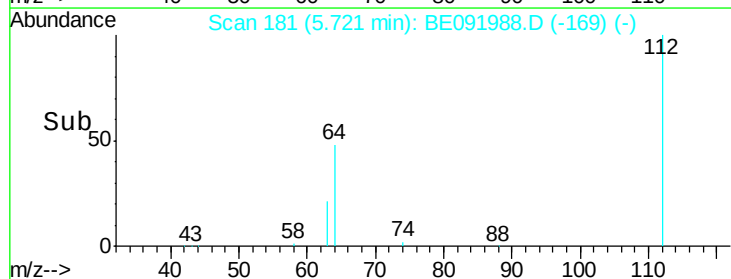
Tgt Ion:112 Resp: 730006
Ion Ratio Lower Upper
112 100
64 69.1 53.7 80.5
63 36.9 29.5 44.3

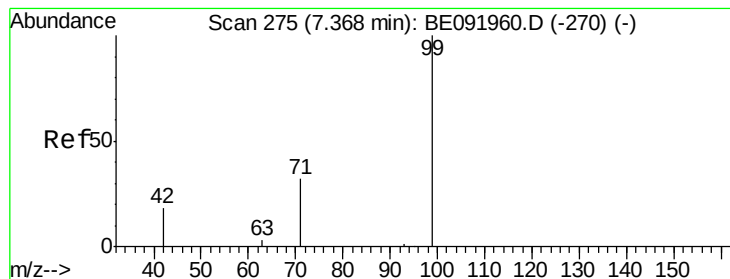


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 130.69 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE091988.D

Acq: 7 Jul 2016 19:41

Instrument :

BNA_E

ClientSampleId :

PB91509BL

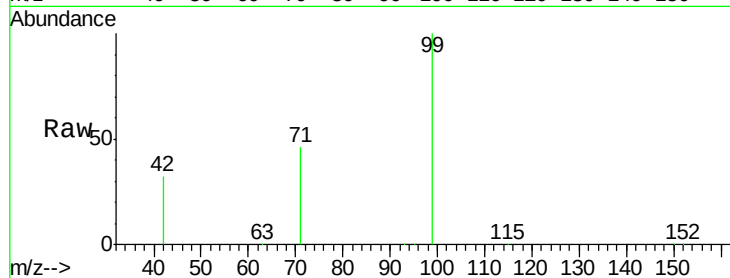
Tgt Ion: 99 Resp: 986299

Ion Ratio Lower Upper

99 100

42 24.7 19.6 29.4

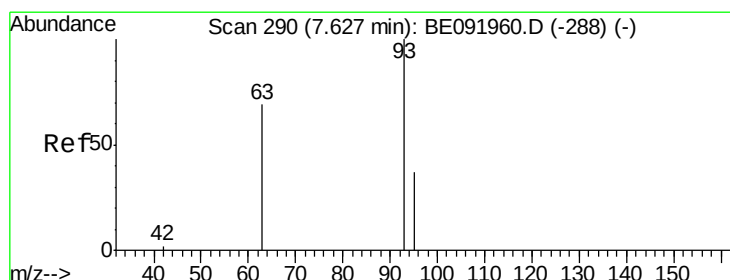
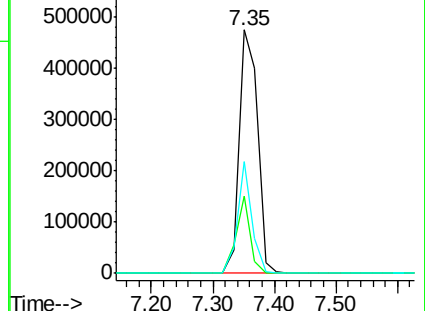
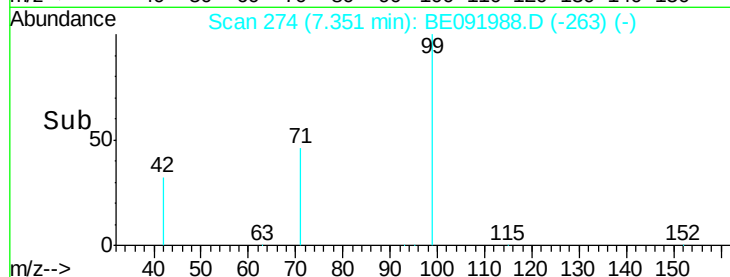
71 35.9 28.1 42.1



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



#6

bis(2-Chloroethyl)ether

Concen: 0.04 ng

RT: 7.71 min Scan# 295

Delta R.T. 0.09 min

Lab File: BE091988.D

Acq: 7 Jul 2016 19:41

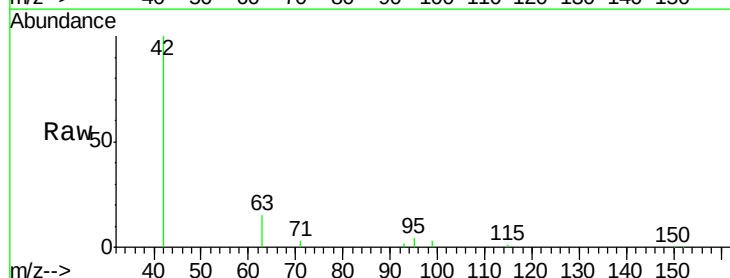
Tgt Ion: 93 Resp: 1091

Ion Ratio Lower Upper

93 100

63 927.2 66.2 99.4#

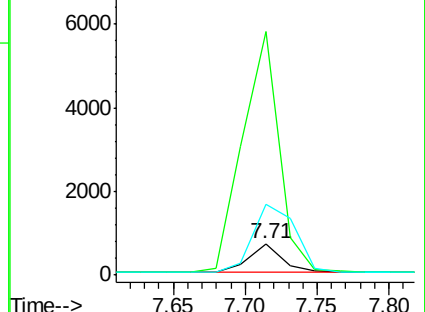
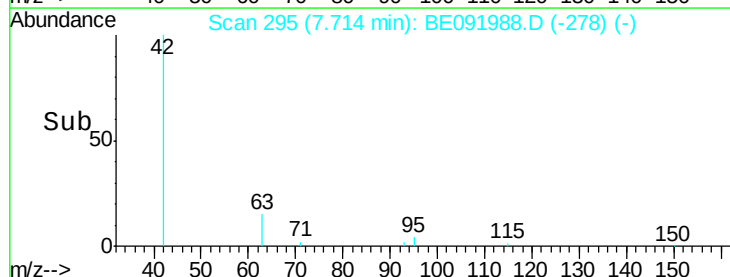
95 307.8 25.5 38.3#

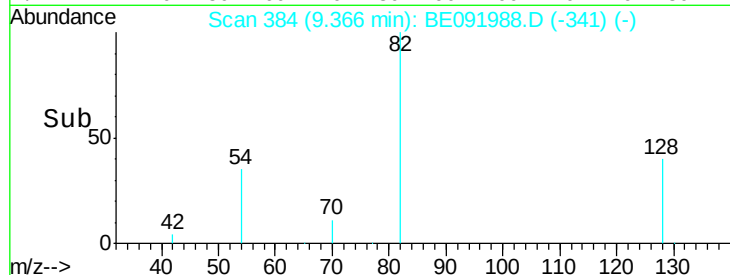
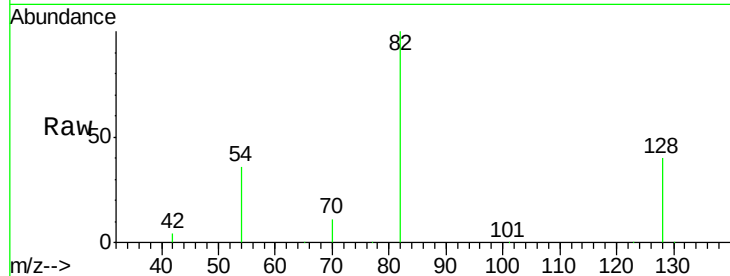
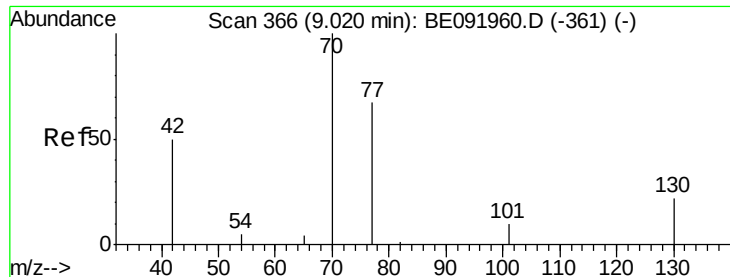


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 3.34 ng

RT: 9.37 min Scan# 384

Delta R.T. 0.35 min

Lab File: BE091988.D

Acq: 7 Jul 2016 19:41

Instrument :

BNA_E

ClientSampleId :

PB91509BL

Tgt Ion: 70 Resp: 84055

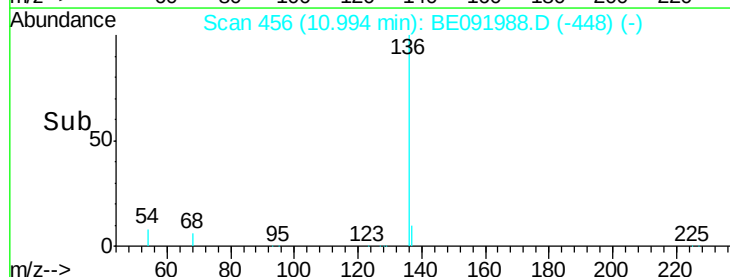
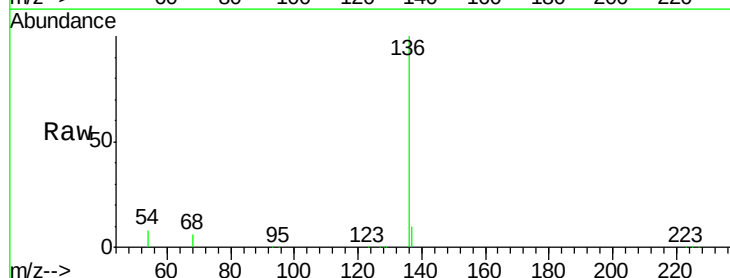
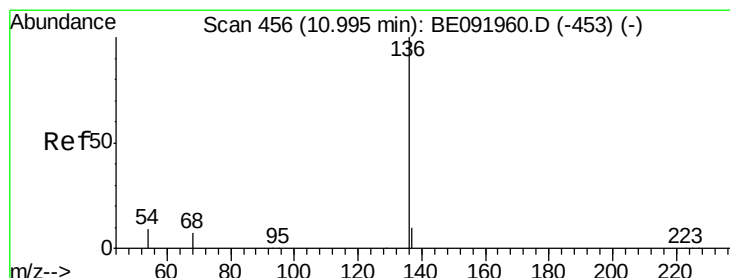
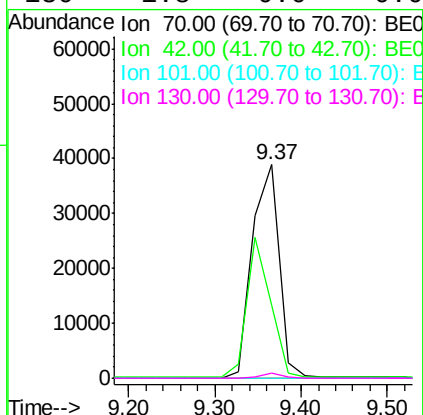
Ion Ratio Lower Upper

70 100

42 57.7 58.4 87.6#

101 0.0 6.4 9.6#

130 1.8 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: BE091988.D

Acq: 7 Jul 2016 19:41

Tgt Ion: 136 Resp: 396037

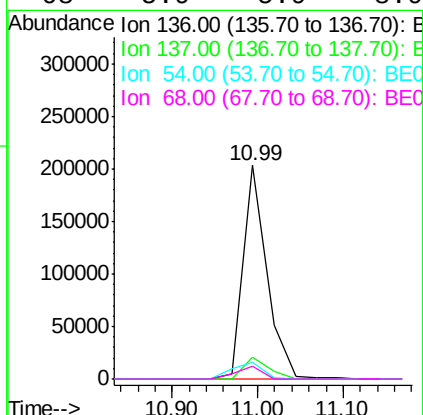
Ion Ratio Lower Upper

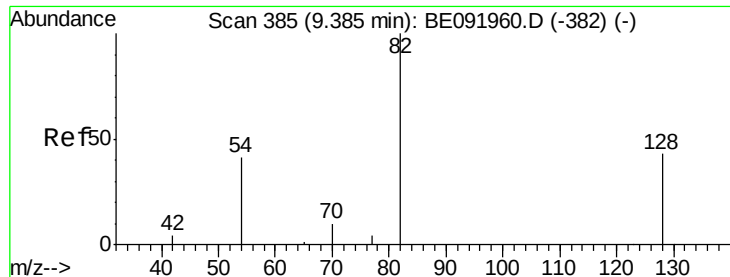
136 100

137 10.3 8.3 12.5

54 7.7 8.2 12.4#

68 5.9 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 90.42 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091988.D

Acq: 7 Jul 2016 19:41

Instrument :

BNA_E

ClientSampleId :

PB91509BL

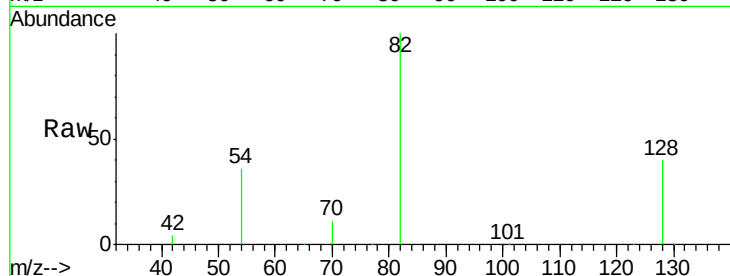
Tgt Ion: 82 Resp: 609778

Ion Ratio Lower Upper

82 100

128 40.2 39.5 59.3

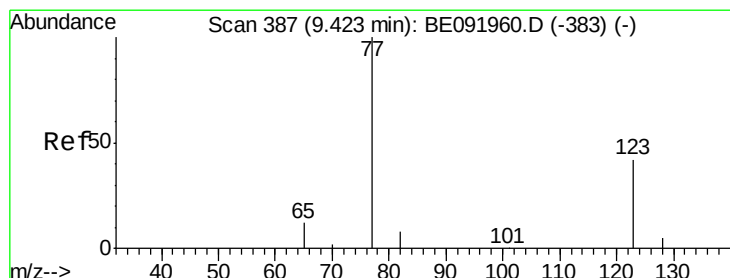
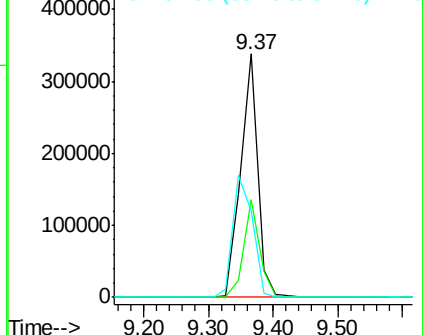
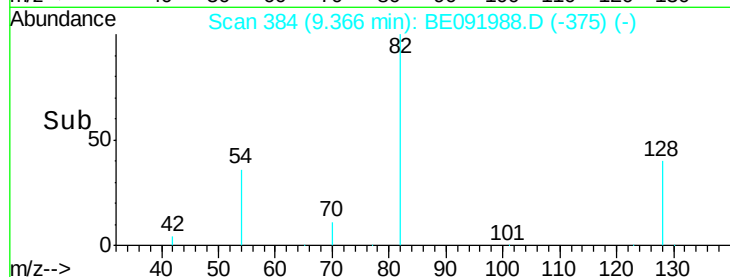
54 35.5 30.3 45.5



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



#10

Nitrobenzene

Concen: 0.06 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.06 min

Lab File: BE091988.D

Acq: 7 Jul 2016 19:41

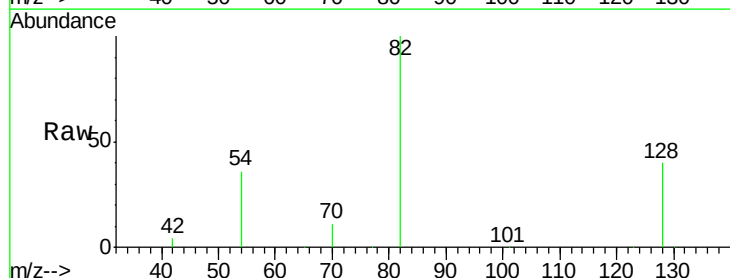
Tgt Ion: 77 Resp: 1897

Ion Ratio Lower Upper

77 100

123 1.6 0.0 0.0#

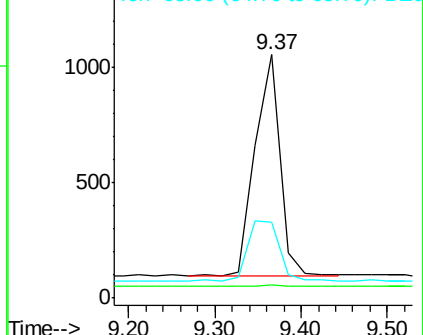
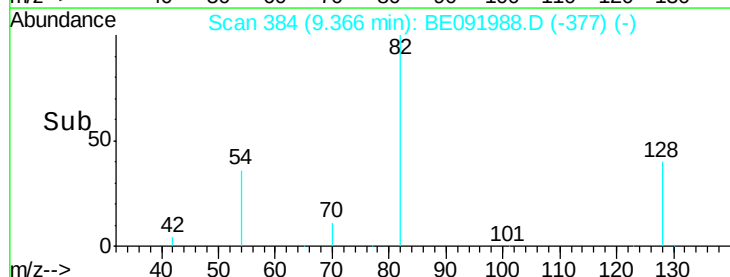
65 34.8 11.1 16.7#

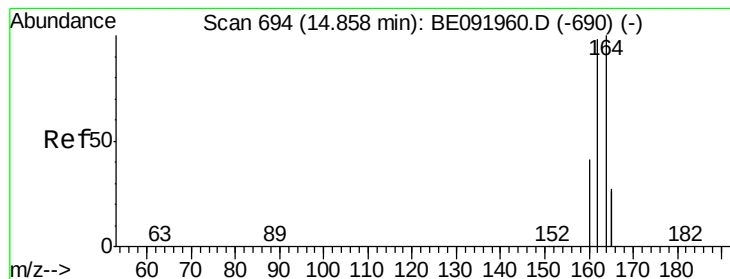


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.00 min

Lab File: BE091988.D

Acq: 7 Jul 2016 19:41

Instrument :

BNA_E

ClientSampleId :

PB91509BL

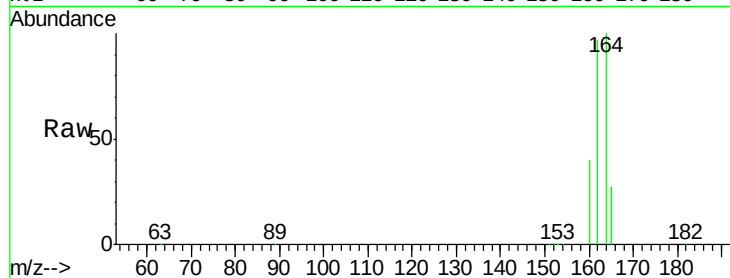
Tgt Ion:164 Resp: 258054

Ion Ratio Lower Upper

164 100

162 96.8 71.8 107.8

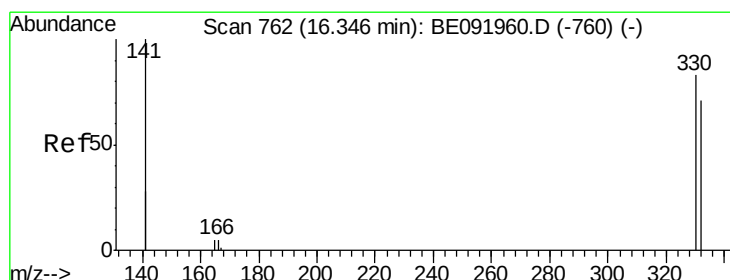
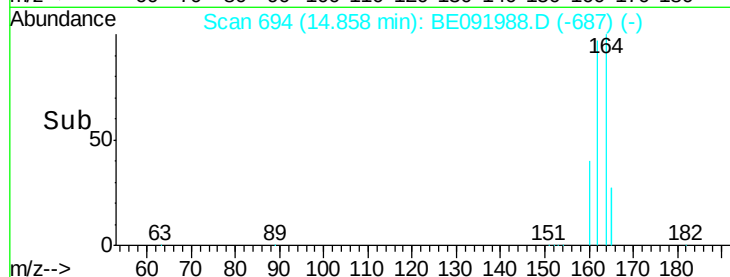
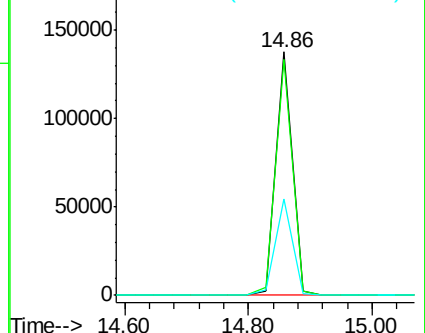
160 39.8 28.0 42.0



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: 105.01 ng

RT: 16.35 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE091988.D

Acq: 7 Jul 2016 19:41

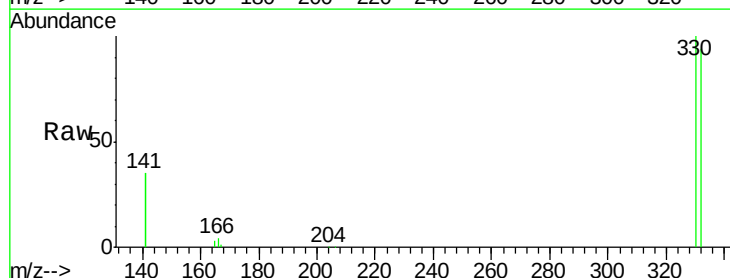
Tgt Ion:330 Resp: 245727

Ion Ratio Lower Upper

330 100

332 95.3 77.0 115.6

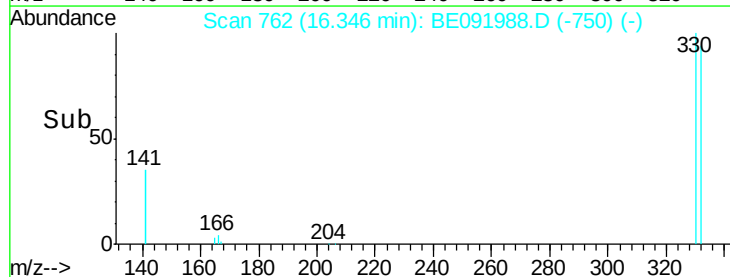
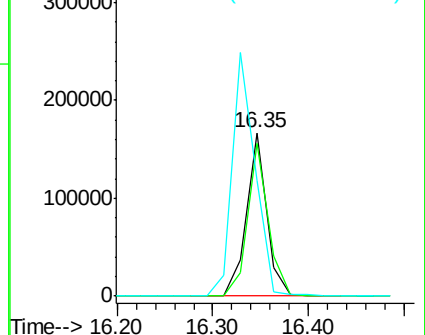
141 167.0 138.4 207.6

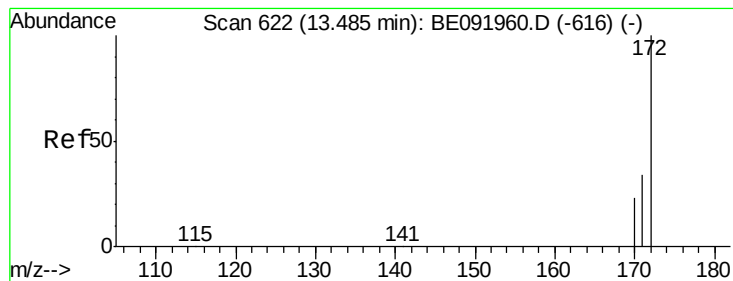


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

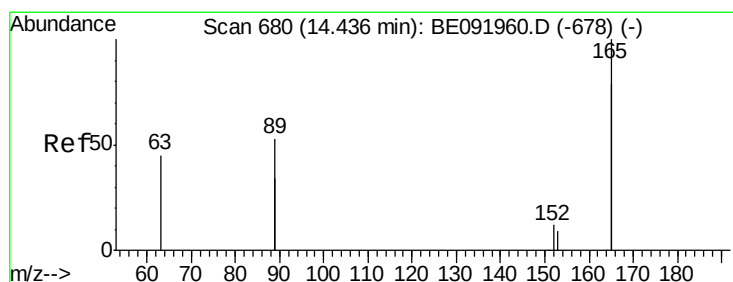
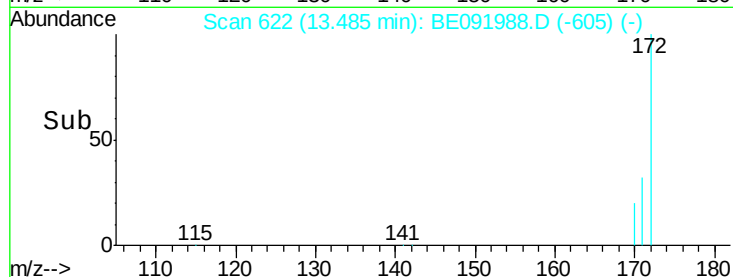
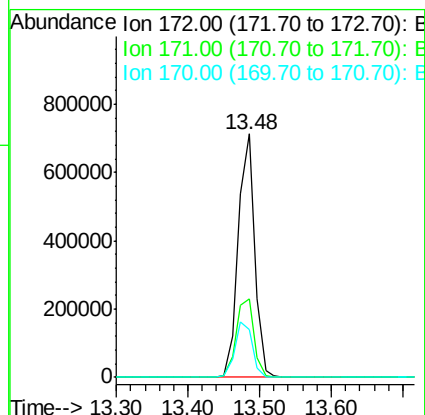
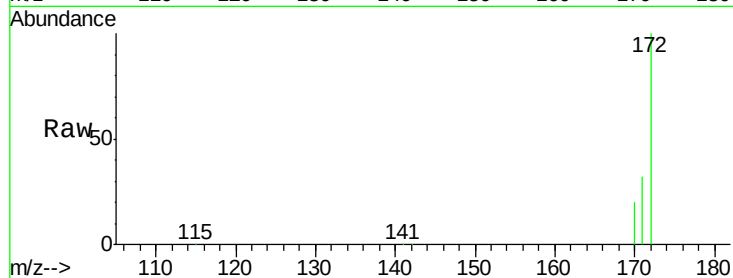




#17
 2-Fluorobiphenyl
 Concen: 72.49 ng
 RT: 13.48 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BE091988.D
 Acq: 7 Jul 2016 19:41

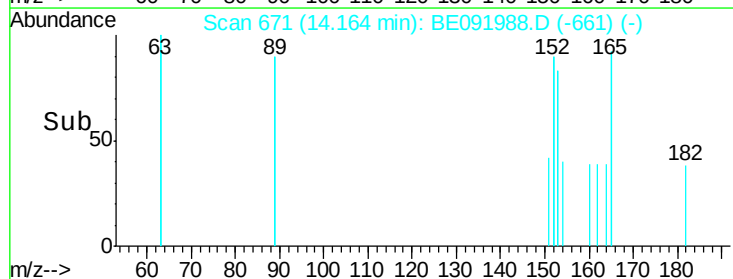
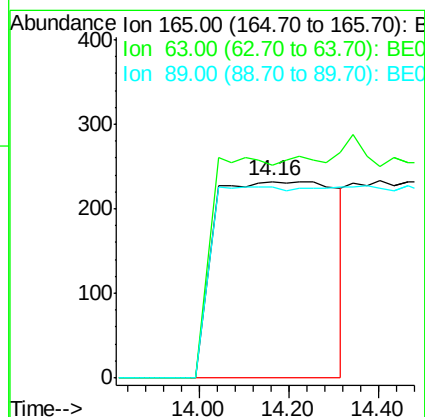
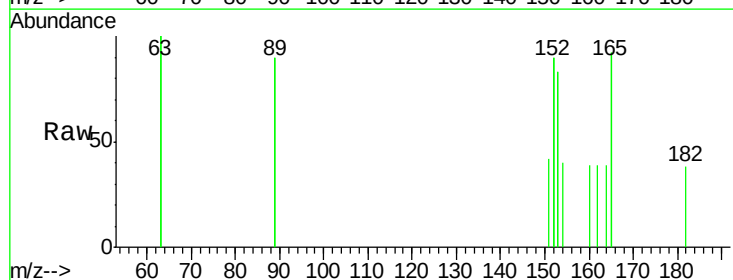
Instrument :
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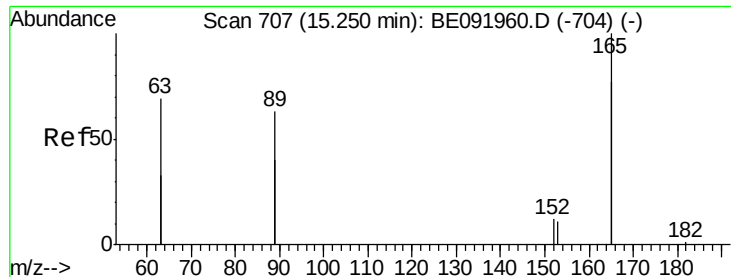
Tgt Ion:172 Resp: 1140804
 Ion Ratio Lower Upper
 172 100
 171 32.3 24.3 36.5
 170 19.7 14.9 22.3



#19
 2,6-Dinitrotoluene
 Concen: 0.18 ng
 RT: 14.16 min Scan# 671
 Delta R.T. -0.27 min
 Lab File: BE091988.D
 Acq: 7 Jul 2016 19:41

Tgt Ion:165 Resp: 4153
 Ion Ratio Lower Upper
 165 100
 63 0.0 65.9 98.9#
 89 0.0 59.1 88.7#

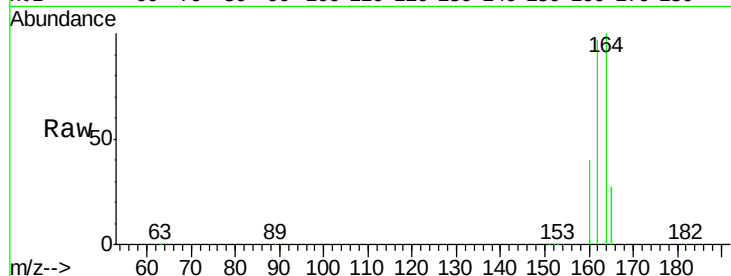




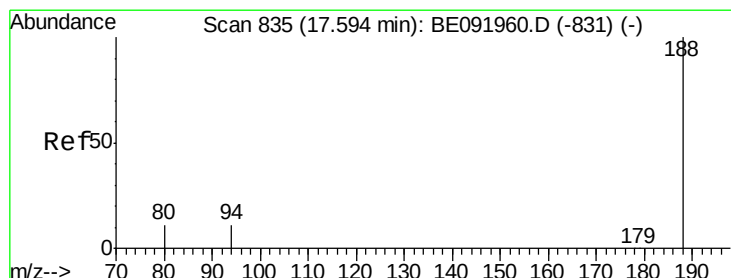
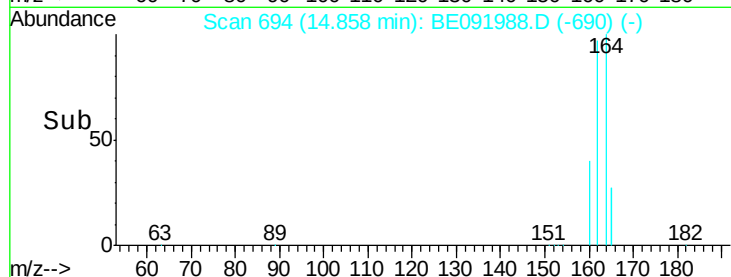
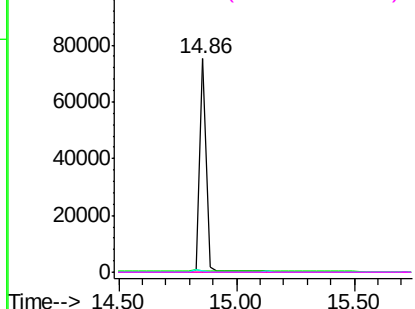
#21
 2,4-Dinitrotoluene
 Concen: 1.83 ng
 RT: 14.86 min Scan# 694
 Delta R.T. -0.39 min
 Lab File: BE091988.D
 Acq: 7 Jul 2016 19:41

Instrument :
 BNA_E
 ClientSampleId :
 PB91509BL

Tgt Ion:165 Resp: 140263
 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

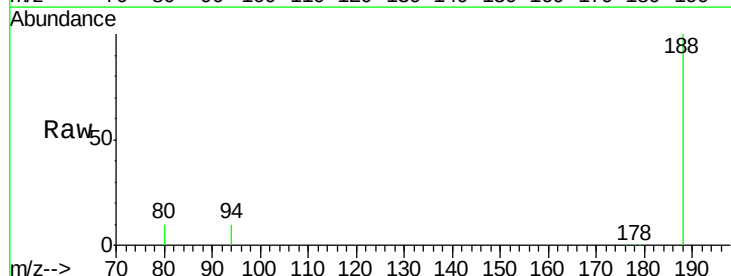


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BE0
 Ion 89.00 (88.70 to 89.70): BE0
 Ion 182.00 (181.70 to 182.70): E

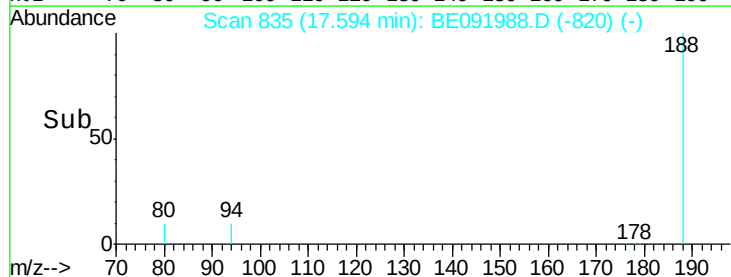
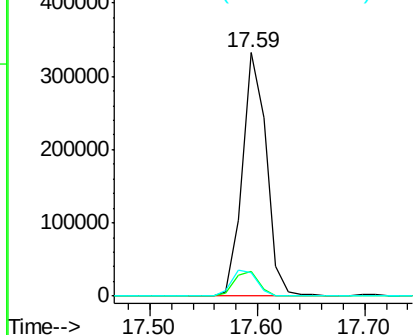


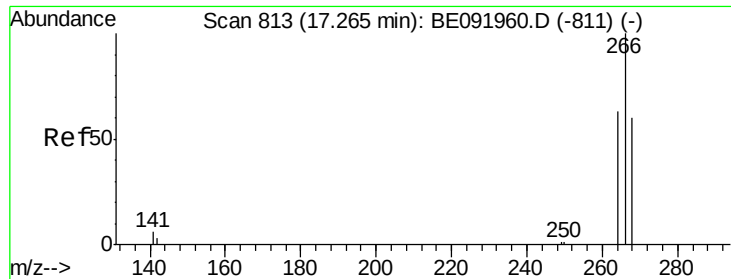
#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.59 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: BE091988.D
 Acq: 7 Jul 2016 19:41

Tgt Ion:188 Resp: 511692
 Ion Ratio Lower Upper
 188 100
 94 10.0 4.1 6.1#
 80 9.8 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

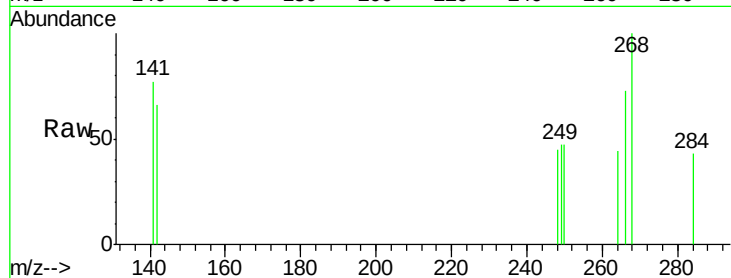




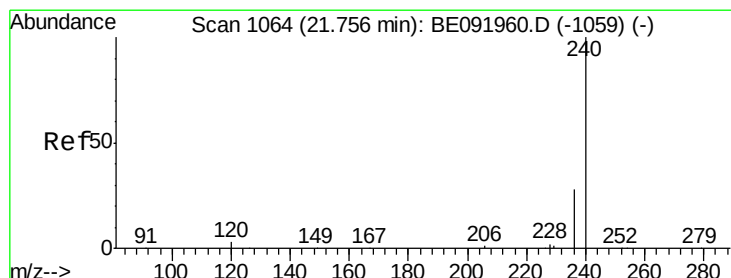
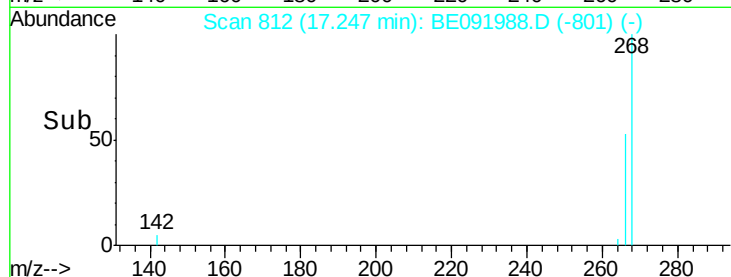
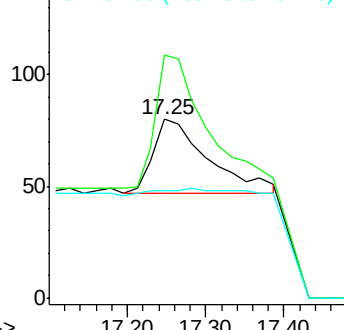
#27
 Pentachlorophenol
 Concen: 0.13 ng
 RT: 17.25 min Scan# 812
 Delta R.T. -0.02 min
 Lab File: BE091988.D
 Acq: 7 Jul 2016 19:41

Instrument :
 BNA_E
 ClientSampleId :
 PB91509BL

Tgt Ion:266 Resp: 161
 Ion Ratio Lower Upper
 266 100
 268 136.3 60.5 90.7#
 264 60.0 51.0 76.4

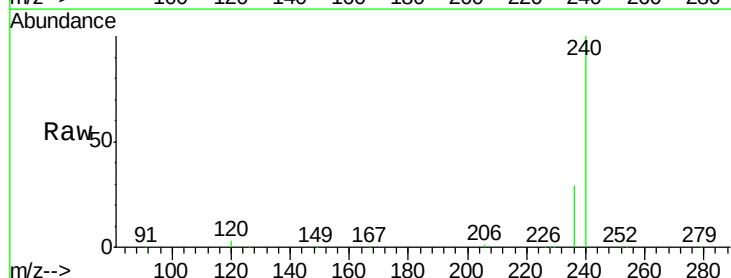


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

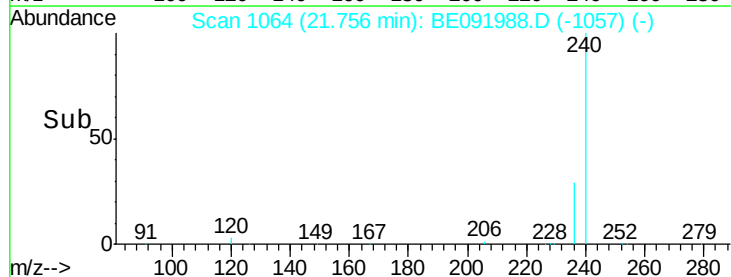
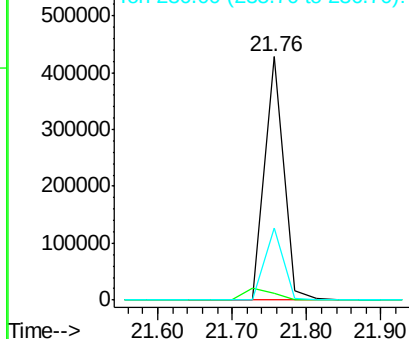


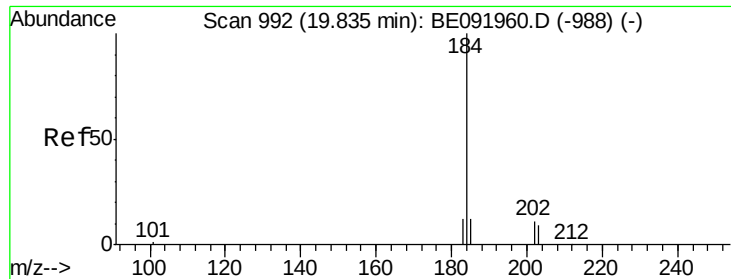
#31
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.76 min Scan# 1064
 Delta R.T. 0.00 min
 Lab File: BE091988.D
 Acq: 7 Jul 2016 19:41

Tgt Ion:240 Resp: 770905
 Ion Ratio Lower Upper
 240 100
 120 2.6 1.2 1.8#
 236 29.5 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: 0.68 ng

RT: 20.20 min Scan# 1008

Delta R.T. 0.36 min

Lab File: BE091988.D

Acq: 7 Jul 2016 19:41

Instrument :

BNA_E

ClientSampleId :

PB91509BL

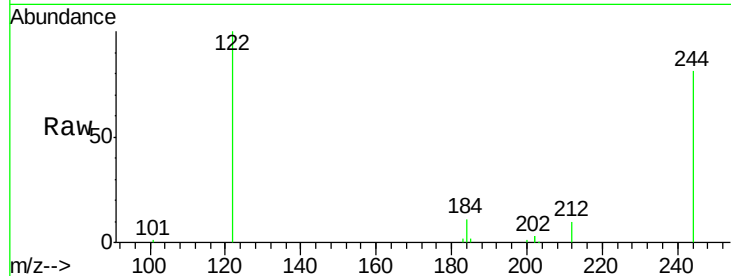
Tgt Ion:184 Resp: 29466

Ion Ratio Lower Upper

184 100

185 15.3 11.4 17.2

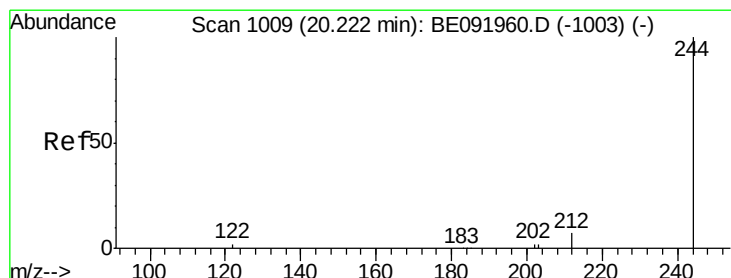
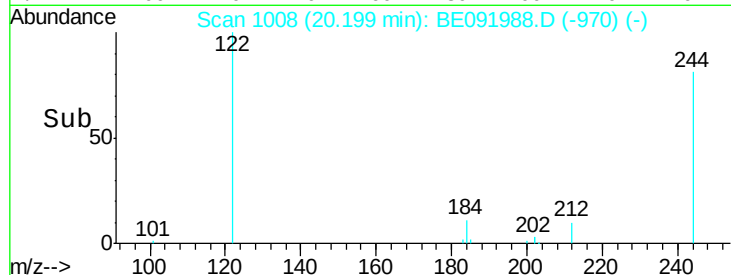
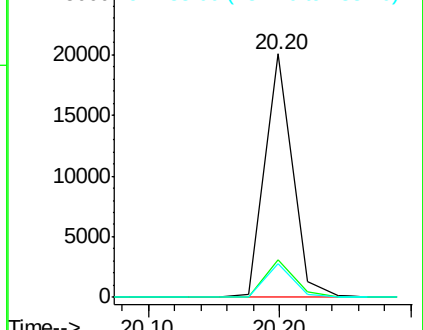
183 13.7 11.8 17.6



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: 72.25 ng

RT: 20.22 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE091988.D

Acq: 7 Jul 2016 19:41

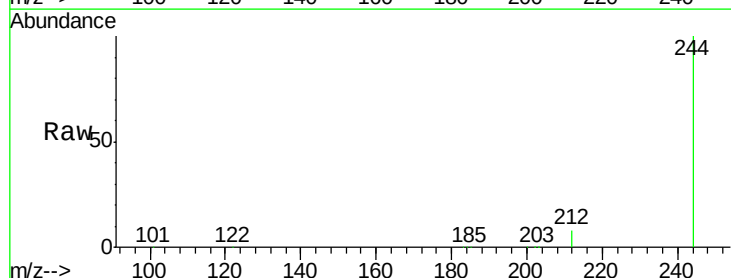
Tgt Ion:244 Resp: 1642311

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

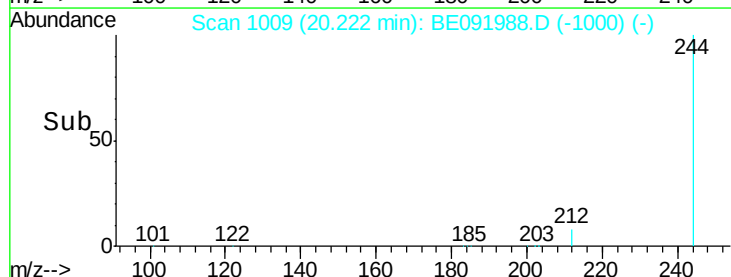
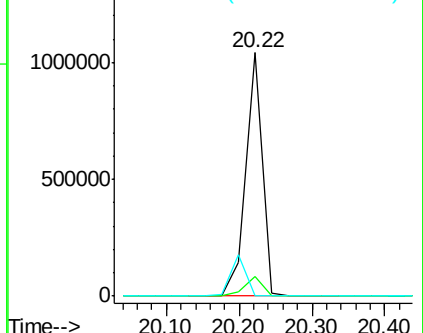
122 0.3 2.9 4.3#

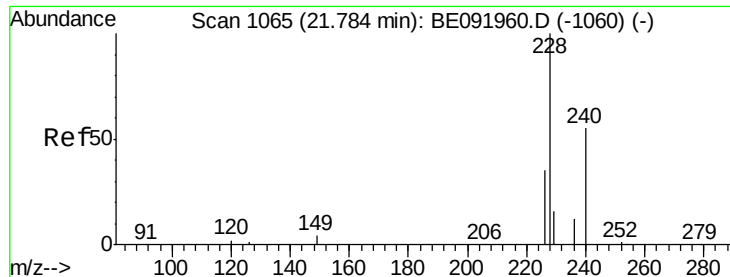


Abundance Ion 244.00 (243.70 to 244.70): E

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: BE091988.D

Acq: 7 Jul 2016 19:41

Instrument :

BNA_E

ClientSampleId :

PB91509BL

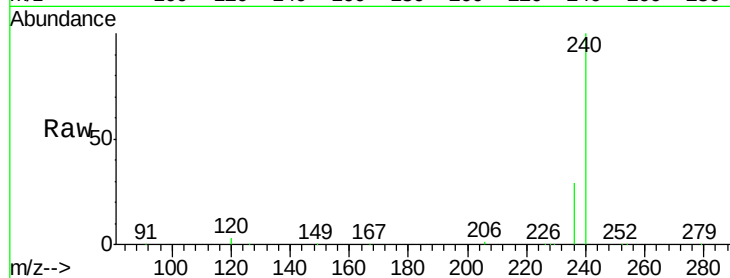
Tgt Ion:228 Resp: 2670

Ion Ratio Lower Upper

228 100

226 10.8 21.0 31.4#

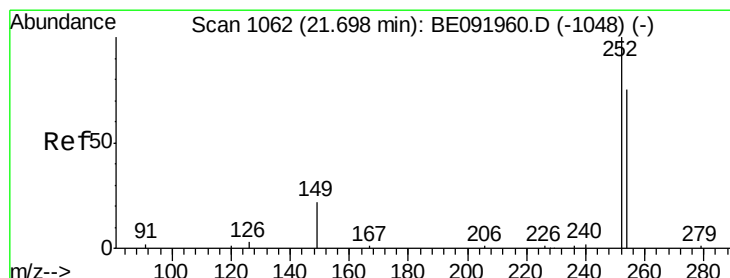
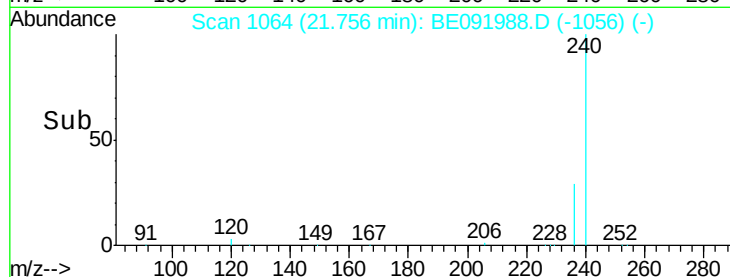
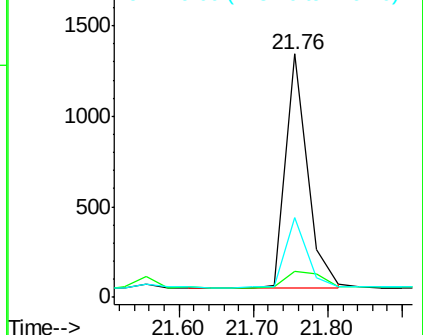
229 33.0 15.8 23.8#



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: 21.78 min Scan# 1065

Delta R.T. 0.09 min

Lab File: BE091988.D

Acq: 7 Jul 2016 19:41

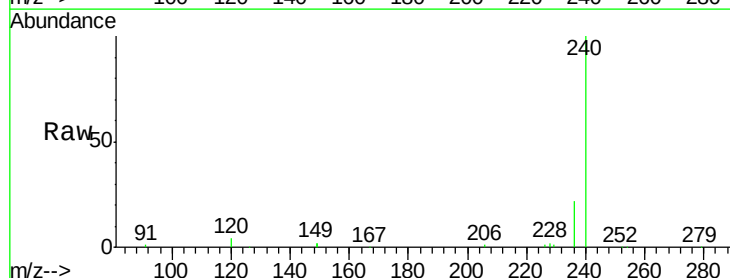
Tgt Ion:252 Resp: 50

Ion Ratio Lower Upper

252 100

254 81.8 61.5 92.3

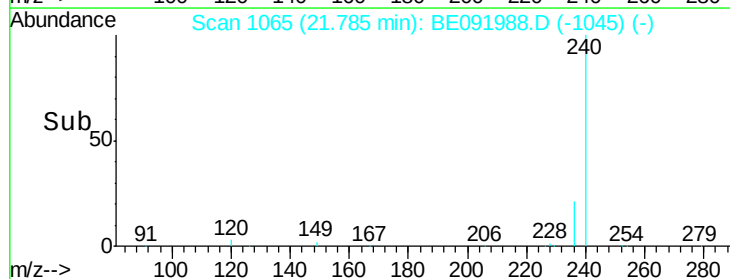
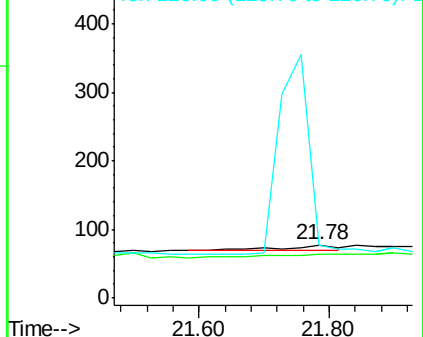
126 98.7 2.5 3.7#

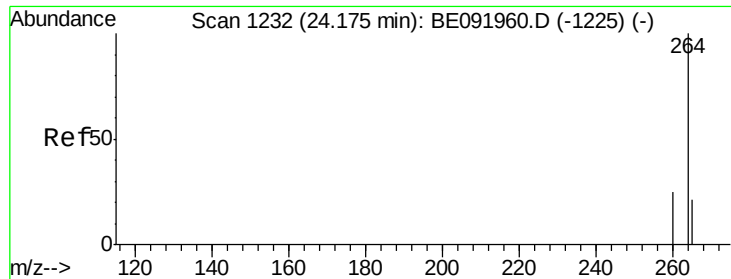


Abundance Ion 252.00 (251.70 to 252.70): E

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: 24.17 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE091988.D

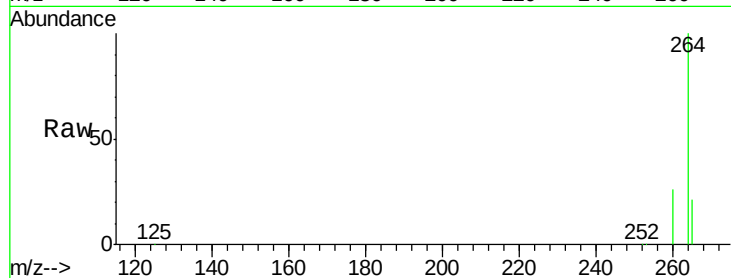
Acq: 7 Jul 2016 19:41

Instrument :

BNA_E

ClientSampleId :

PB91509BL



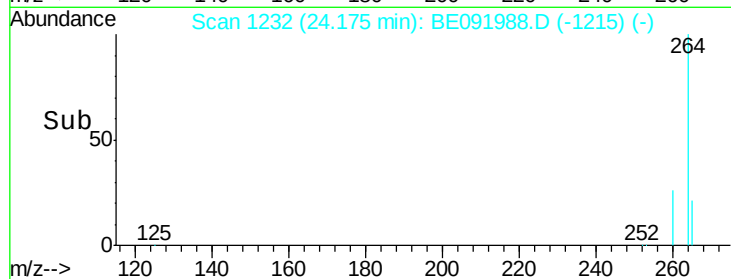
Tgt Ion: 264 Resp: 658666

Ion Ratio Lower Upper

264 100

260 25.7 20.3 30.5

265 21.4 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

400000

300000

200000

100000

0

24.00 24.20 24.40

24.17

Time-->