

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091819\  
 Data File : BN007721.D  
 Acq On : 19 Sep 2019 00:28  
 Operator : HP/JU  
 Sample : K4896-08  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Sep 19 07:26:36 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 18 18:24:40 2019  
 Response via : Initial Calibration

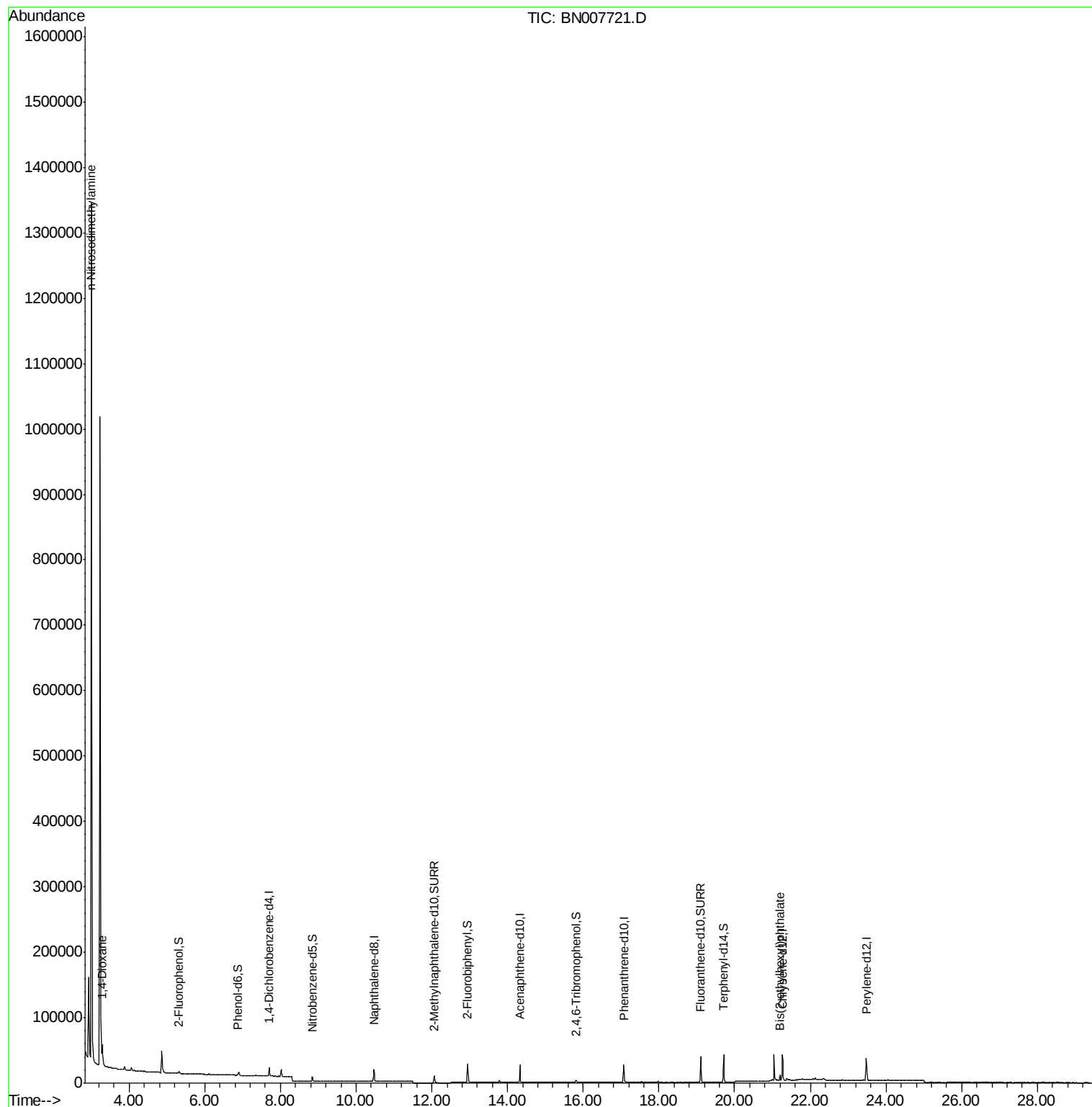
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.70  | 152  | 6138     | 0.40   | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.47 | 136  | 24417    | 0.40   | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.32 | 164  | 15164    | 0.40   | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.07 | 188  | 34791    | 0.40   | ng    | 0.00     |
| 27) Chrysene-d12               | 21.26 | 240  | 39034    | 0.40   | ng    | -0.01    |
| 34) Perylene-d12               | 23.48 | 264  | 42834    | 0.40   | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 4) 2-Fluorophenol              | 5.32  | 112  | 2404     | 0.11   | ng    | 0.00     |
| 5) Phenol-d6                   | 6.87  | 99   | 1989     | 0.07   | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.83  | 82   | 7299     | 0.34   | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.06 | 152  | 14639    | 0.36   | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.82 | 330  | 2342     | 0.28   | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 12.94 | 172  | 26497    | 0.42   | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.10 | 212  | 44545    | 0.38   | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.71 | 244  | 42368    | 0.44   | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 2) 1,4-Dioxane                 | 3.30  | 88   | 21562    | 3.152  | ng    | # 93     |
| 3) n-Nitrosodimethylamine      | 3.01  | 42   | 98157    | 31.325 | ng    | # 69     |
| 32) Bis(2-ethylhexyl)phthalate | 21.20 | 149  | 7132     | 0.096  | ng    | 97       |

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.70 min Scan# 605

Delta R.T. -0.00 min

Lab File: BN007721.D

Acq: 19 Sep 2019 00:28

Instrument :

BNA\_N

ClientSampled :

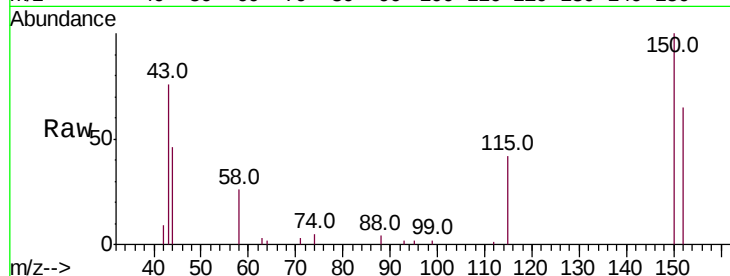
Tot Ion:152 Resp: 6138

Ion Ratio Lower Upper

152 100

150 153.9 125.6 188.4

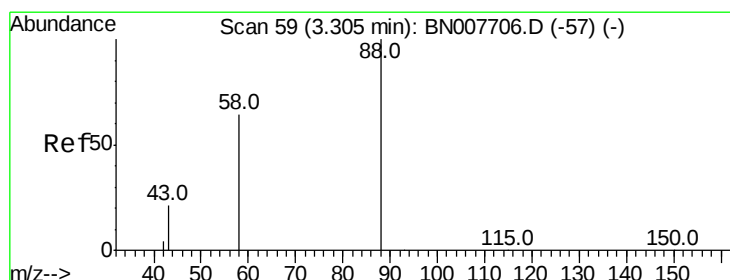
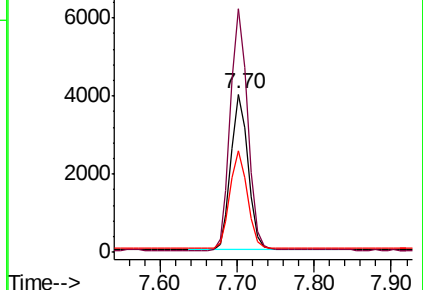
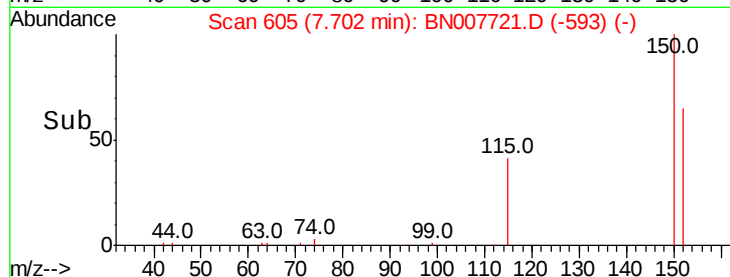
115 64.5 53.3 79.9



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



#2

1,4-Dioxane

Concen: 3.152 ng

RT: 3.30 min Scan# 58

Delta R.T. -0.01 min

Lab File: BN007721.D

Acq: 19 Sep 2019 00:28

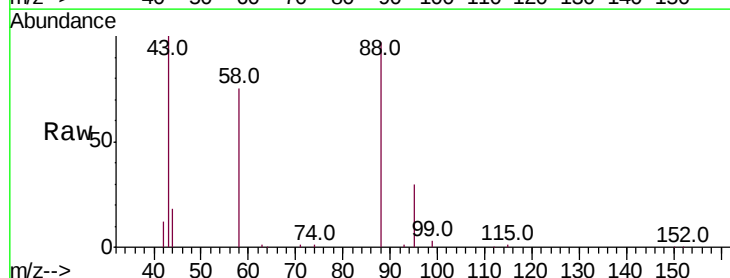
Tgt Ion: 88 Resp: 21562

Ion Ratio Lower Upper

88 100

58 59.8 44.6 66.8

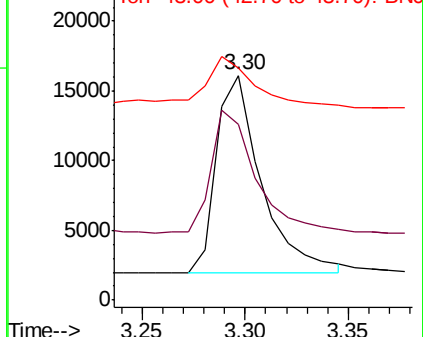
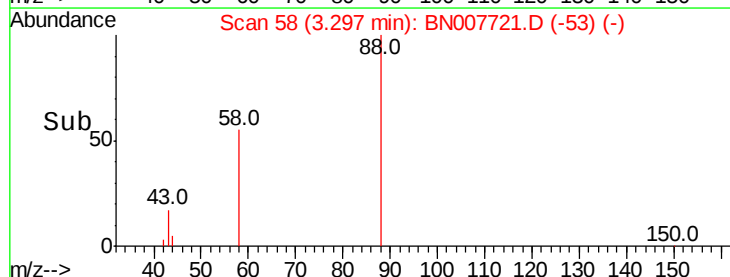
43 23.1 14.4 21.6#



Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 31.325 ng

RT: 3.01 min Scan# 22

Delta R.T. -0.00 min

Lab File: BN007721.D

Acq: 19 Sep 2019 00:28

Instrument :

BNA\_N

ClientSampleId :

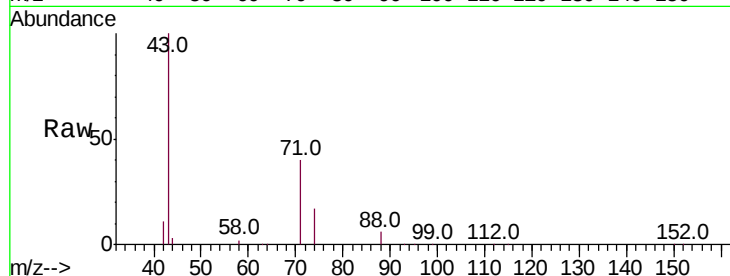
Tot Ion: 42 Resp: 98157

Ion Ratio Lower Upper

42 100

74 147.3 87.9 131.9#

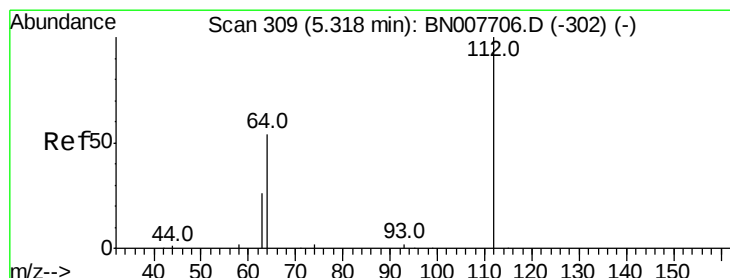
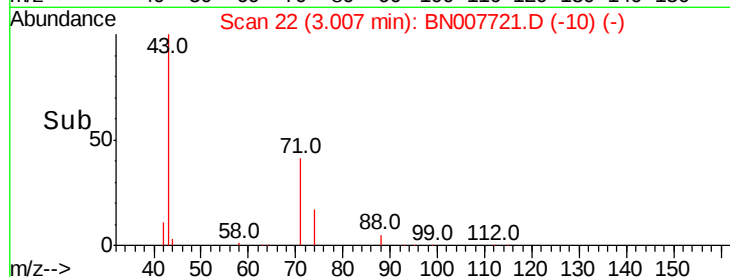
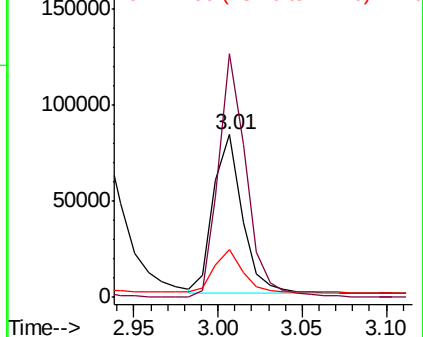
44 26.7 29.4 44.0#



Abundance Ion 42.00 (41.70 to 42.70): BN0

Ion 74.00 (73.70 to 74.70): BN0

Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.114 ng

RT: 5.32 min Scan# 309

Delta R.T. -0.00 min

Lab File: BN007721.D

Acq: 19 Sep 2019 00:28

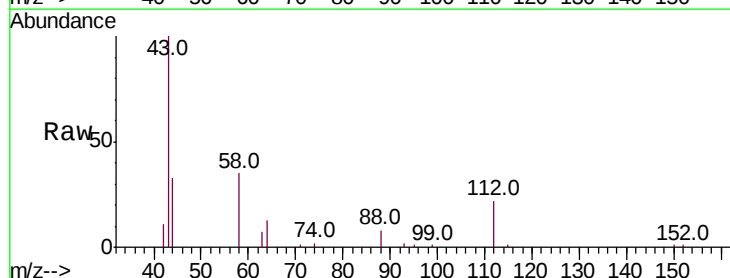
Tgt Ion: 112 Resp: 2404

Ion Ratio Lower Upper

112 100

64 61.7 46.6 70.0

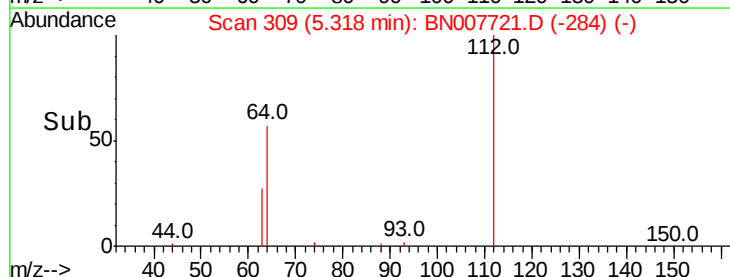
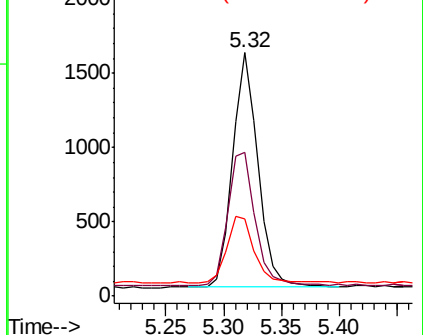
63 29.2 23.1 34.7

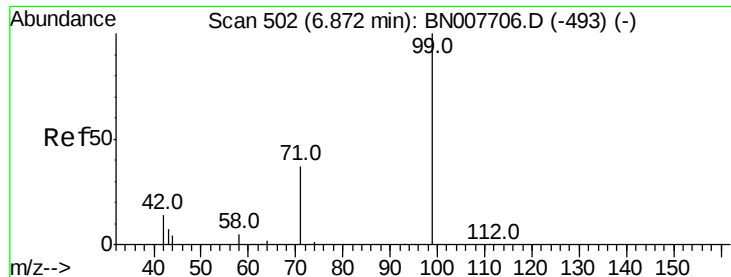


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BN0

Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.070 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007721.D

Acq: 19 Sep 2019 00:28

Instrument :

BNA\_N

ClientSampled :

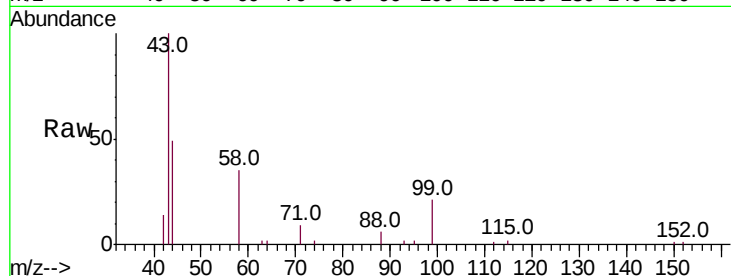
Tot Ion: 99 Resp: 1989

Ion Ratio Lower Upper

99 100

42 0.0 12.8 19.2#

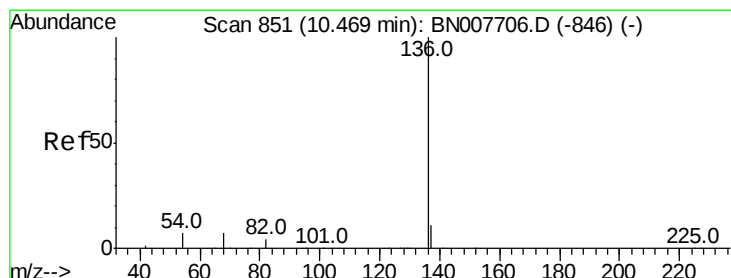
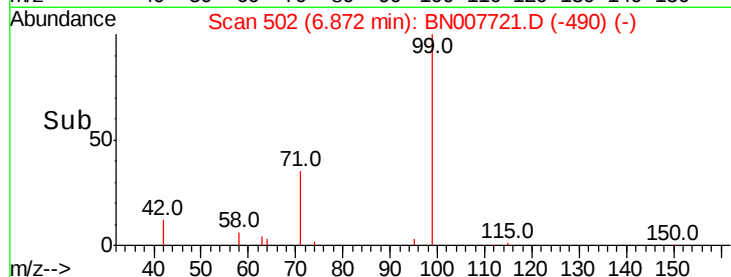
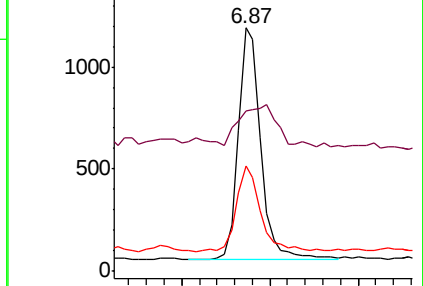
71 39.4 27.6 41.4



Abundance Ion 99.00 (98.70 to 99.70): BN007706.D (-493) (-)

Ion 42.00 (41.70 to 42.70): BN007706.D (-493) (-)

Ion 71.00 (70.70 to 71.70): BN007706.D (-493) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 851

Delta R.T. -0.00 min

Lab File: BN007721.D

Acq: 19 Sep 2019 00:28

Tgt Ion: 136 Resp: 24417

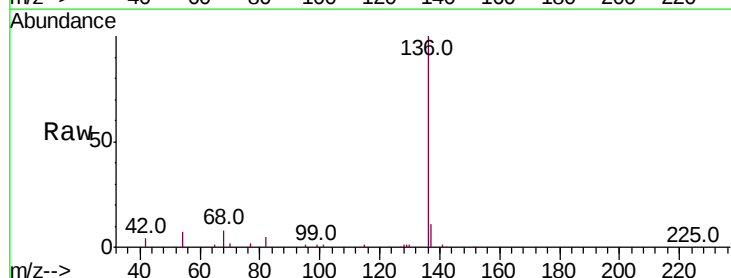
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 7.2 5.8 8.8

68 8.0 6.5 9.7

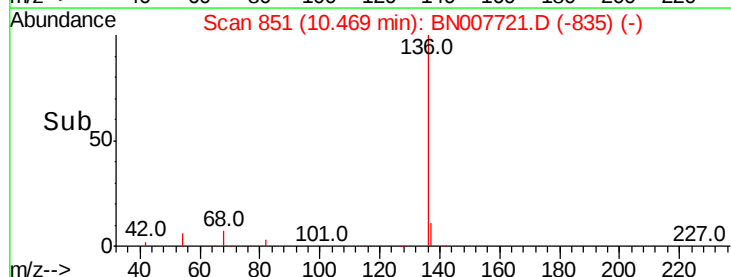
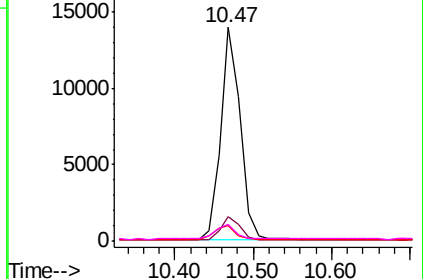


Abundance Ion 136.00 (135.70 to 136.70): BN007706.D (-846) (-)

Ion 137.00 (136.70 to 137.70): BN007706.D (-846) (-)

Ion 54.00 (53.70 to 54.70): BN007706.D (-846) (-)

Ion 68.00 (67.70 to 68.70): BN007706.D (-846) (-)





#8

Nitrobenzene-d5

Concen: 0.342 ng

RT: 8.83 min Scan# 722

Delta R.T. -0.00 min

Lab File: BN007721.D

Acq: 19 Sep 2019 00:28

Instrument :

BNA\_N

ClientSampleId :

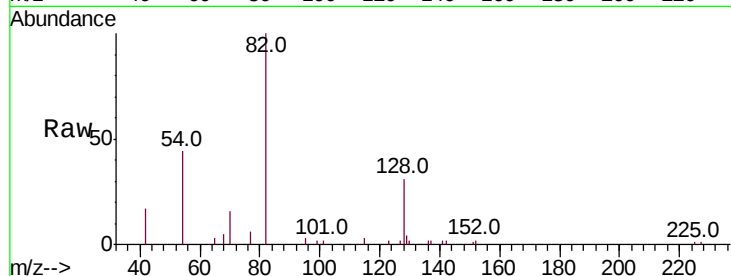
Tot Ion: 82 Resp: 7299

Ion Ratio Lower Upper

82 100

128 30.9 24.5 36.7

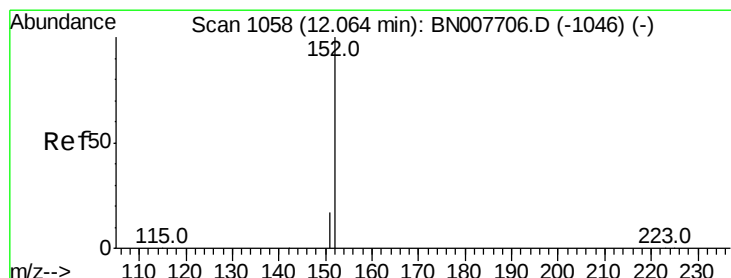
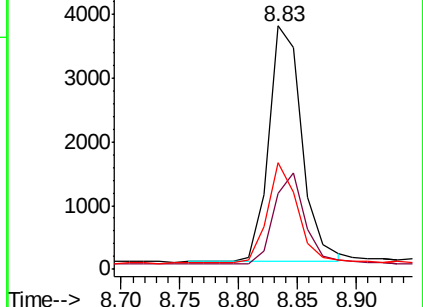
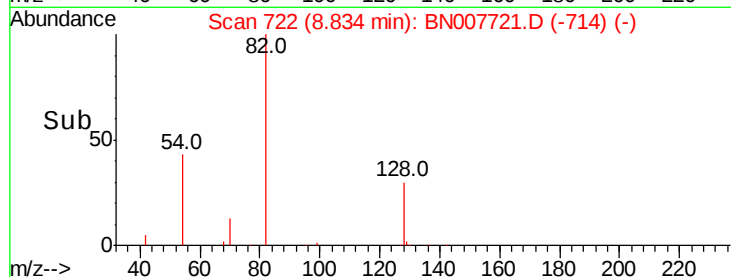
54 43.9 35.2 52.8



Abundance Ion 82.00 (81.70 to 82.70): BN007721.D (-1013) (-)

Ion 128.00 (127.70 to 128.70): BN007721.D (-1013) (-)

Ion 54.00 (53.70 to 54.70): BN007721.D (-1013) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.356 ng

RT: 12.06 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BN007721.D

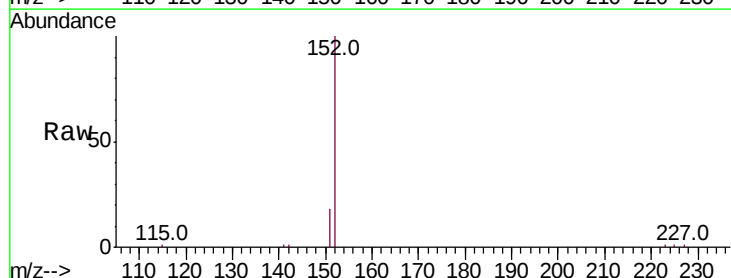
Acq: 19 Sep 2019 00:28

Tgt Ion: 152 Resp: 14639

Ion Ratio Lower Upper

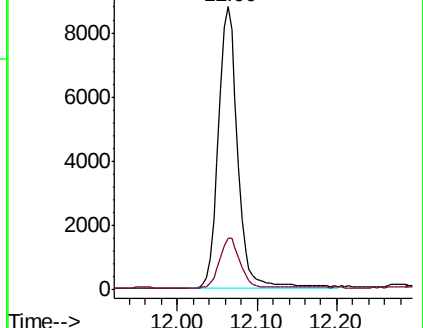
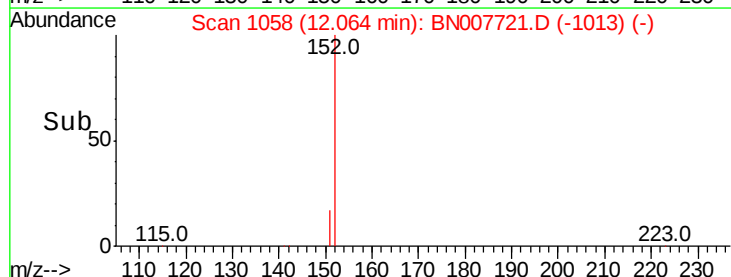
152 100

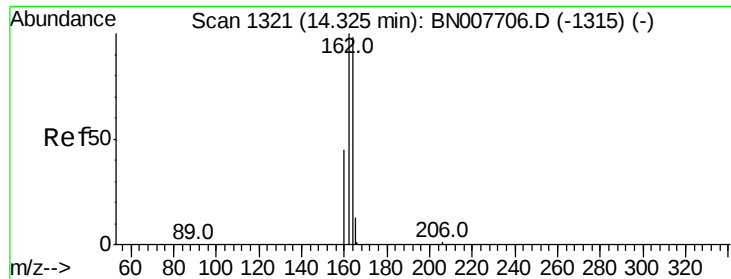
151 19.3 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): BN007721.D (-1013) (-)

Ion 151.00 (150.70 to 151.70): BN007721.D (-1013) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.32 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BN007721.D

Acq: 19 Sep 2019 00:28

Instrument :

BNA\_N

ClientSampled :

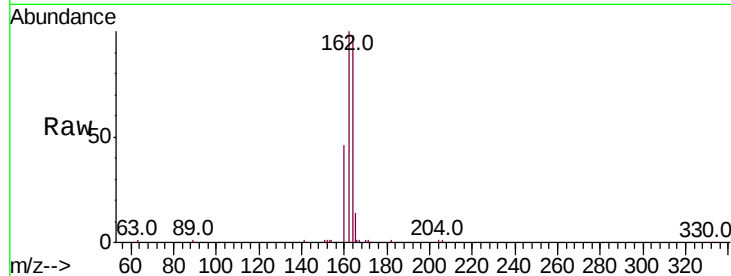
Tot Ion:164 Resp: 15164

Ion Ratio Lower Upper

164 100

162 101.6 81.7 122.5

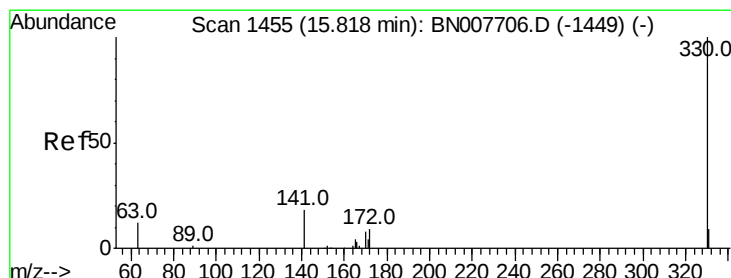
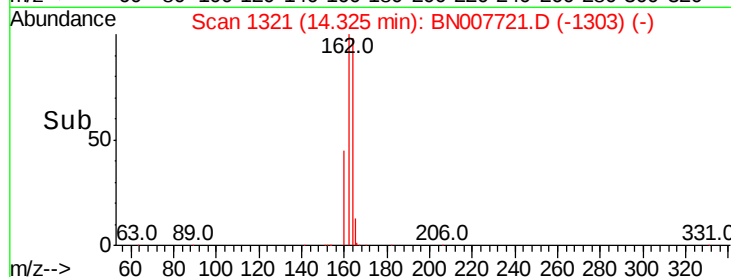
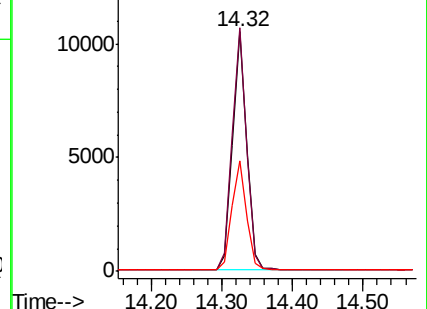
160 46.3 37.0 55.4



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



#14

2,4,6-Tribromophenol

Concen: 0.284 ng

RT: 15.82 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BN007721.D

Acq: 19 Sep 2019 00:28

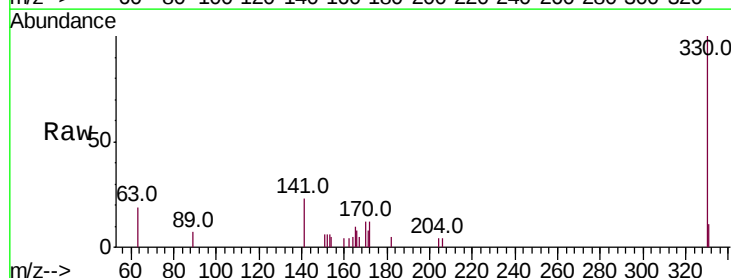
Tgt Ion:330 Resp: 2342

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

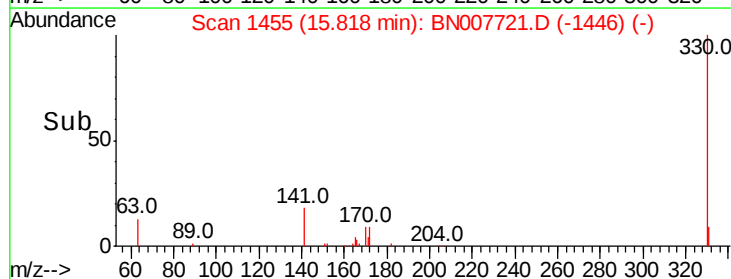
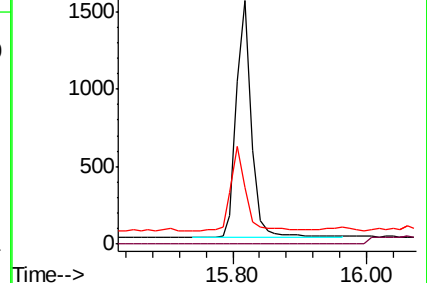
141 36.1 28.7 43.1

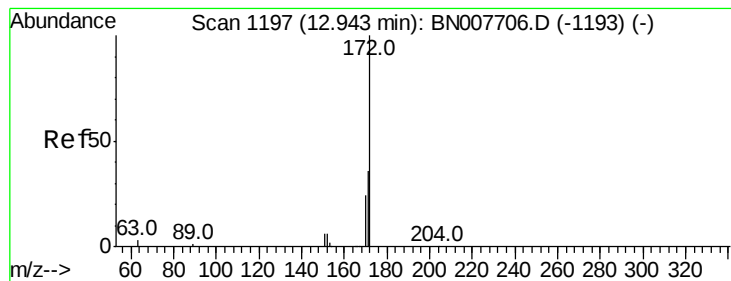


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.424 ng

RT: 12.94 min Scan# 1197

Delta R.T. -0.00 min

Lab File: BN007721.D

Acq: 19 Sep 2019 00:28

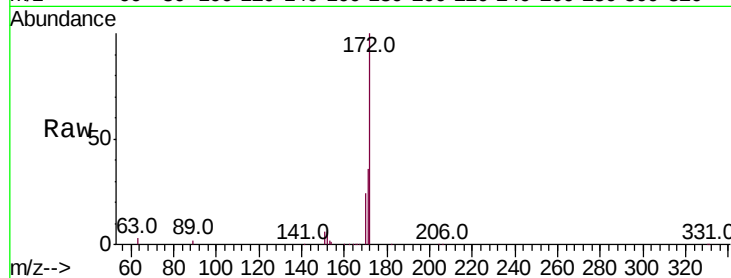
Instrument :

BNA\_N

ClientSampleId :

Tot Ion:172 Resp: 26497

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.8  | 28.8  | 43.2  |
| 170 | 23.6  | 19.5  | 29.3  |

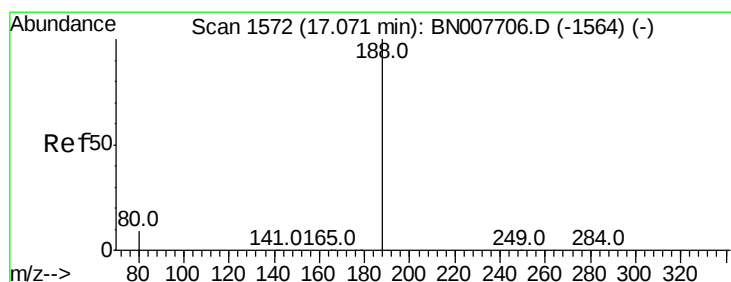
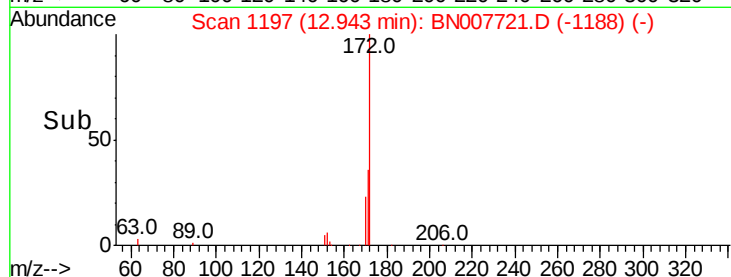
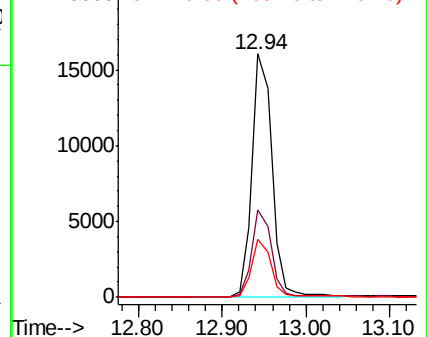


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.07 min Scan# 1572

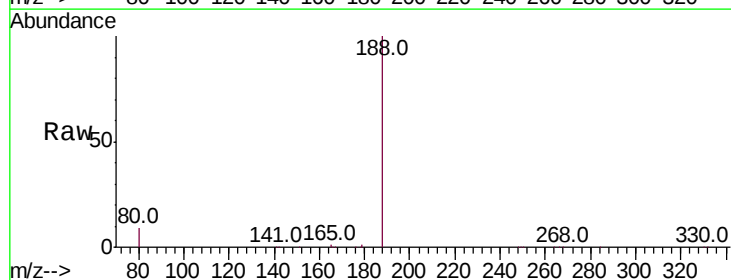
Delta R.T. -0.00 min

Lab File: BN007721.D

Acq: 19 Sep 2019 00:28

Tgt Ion:188 Resp: 34791

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 0.0   | 0.0   | 0.0   |
| 80  | 8.7   | 7.4   | 11.2  |

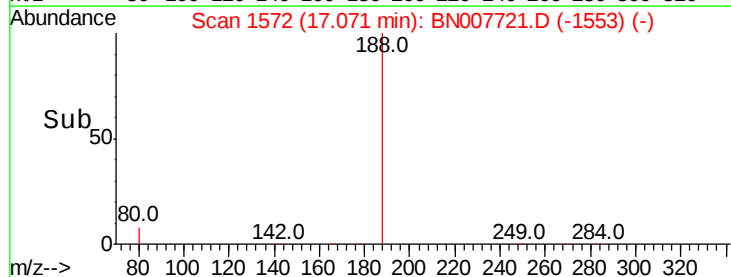
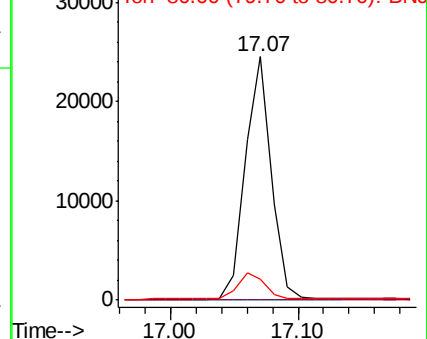


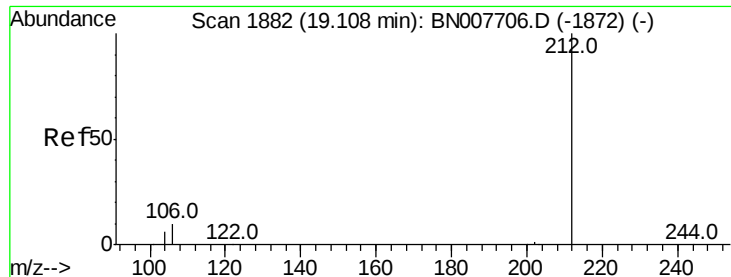
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#25

Fluoranthene-d10

Concen: 0.380 ng

RT: 19.10 min Scan# 1881

Delta R.T. -0.00 min

Lab File: BN007721.D

Acq: 19 Sep 2019 00:28

Instrument :

BNA\_N

ClientSampleId :

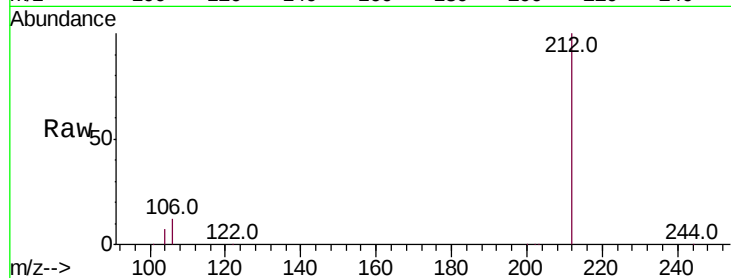
Tot Ion:212 Resp: 44545

Ion Ratio Lower Upper

212 100

106 11.9 9.4 14.0

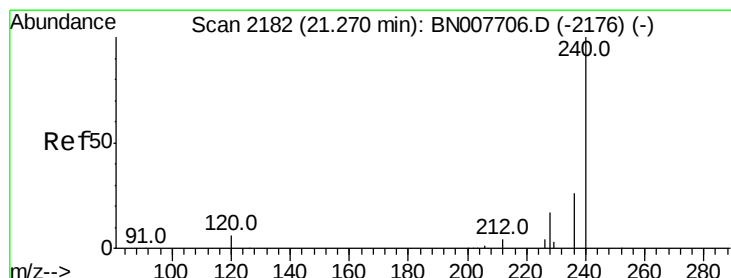
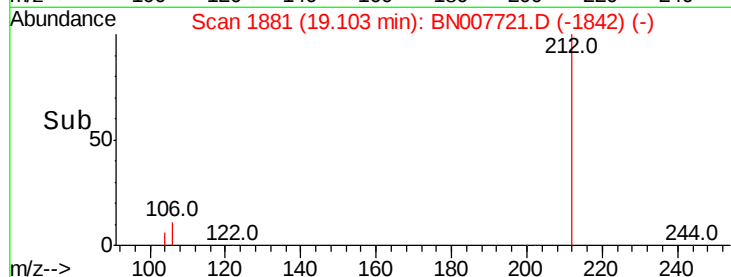
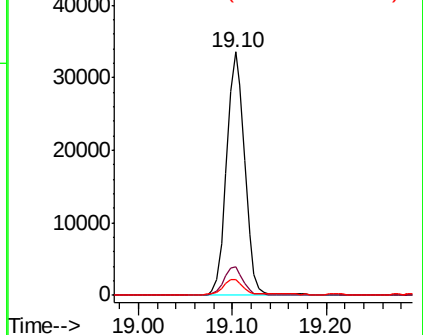
104 6.8 5.3 7.9



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.26 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BN007721.D

Acq: 19 Sep 2019 00:28

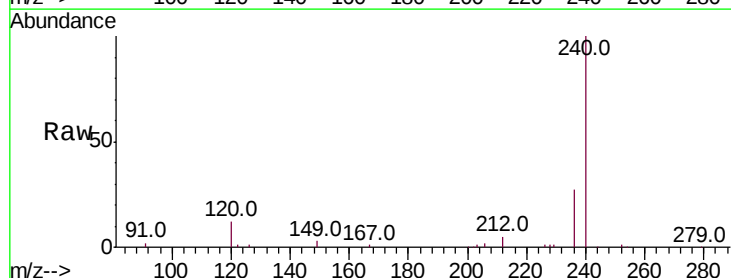
Tgt Ion:240 Resp: 39034

Ion Ratio Lower Upper

240 100

120 11.6 5.4 8.2#

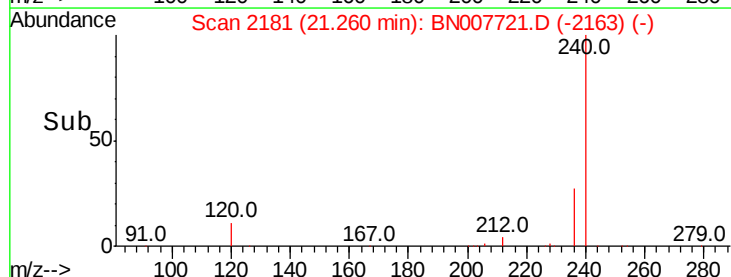
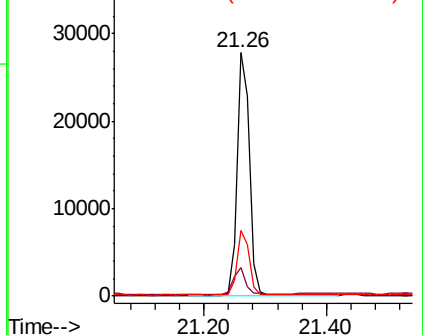
236 27.0 21.0 31.4

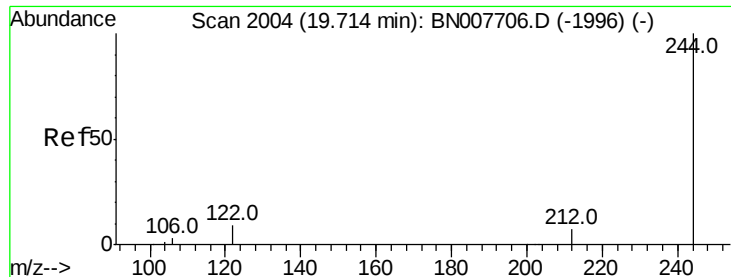


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.442 ng

RT: 19.71 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BN007721.D

Acq: 19 Sep 2019 00:28

Instrument :

BNA\_N

ClientSampleId :

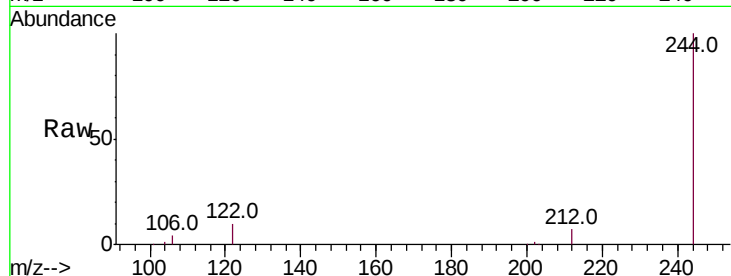
Tot Ion:244 Resp: 42368

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

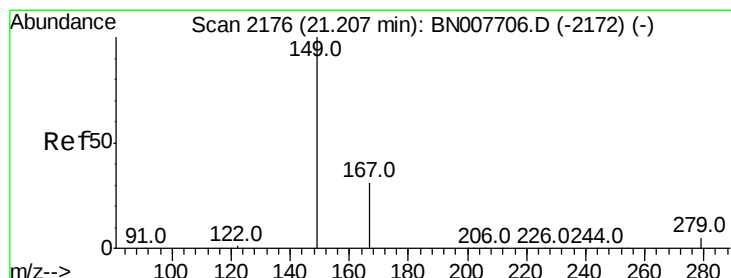
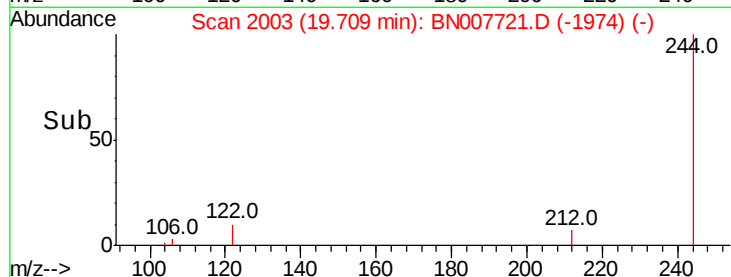
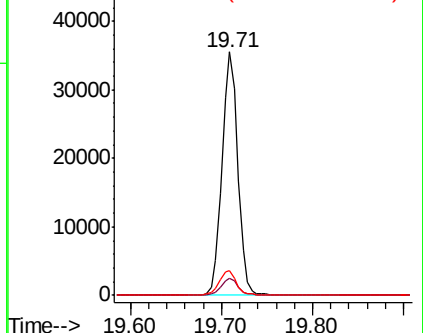
122 9.9 7.4 11.2



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.096 ng

RT: 21.20 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BN007721.D

Acq: 19 Sep 2019 00:28

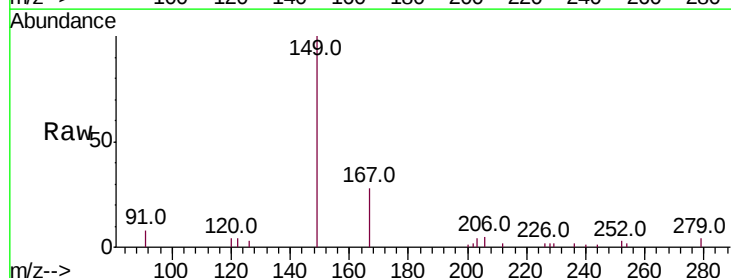
Tgt Ion:149 Resp: 7132

Ion Ratio Lower Upper

149 100

167 27.9 23.7 35.5

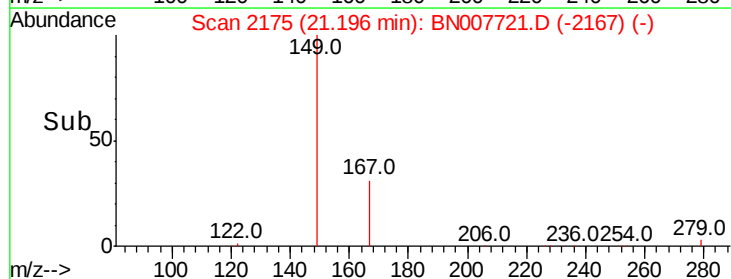
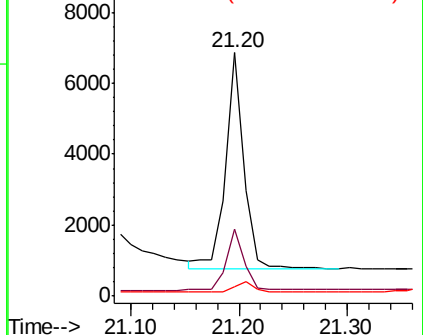
279 4.8 4.2 6.2

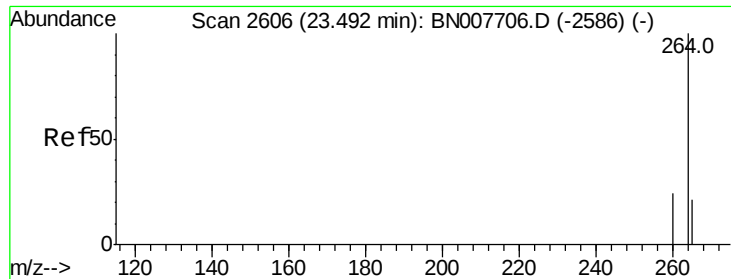


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34  
 Pervlene-d12  
 Concen: 0.400 ng  
 RT: 23.48 min Scan# 2603  
 Delta R.T. -0.01 min  
 Lab File: BN007721.D  
 Acq: 19 Sep 2019 00:28

Instrument :  
 BNA\_N  
 ClientSampleId :

Tot Ion:264 Resp: 42834  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 19.3 28.9  
 265 32.1 26.9 40.3

