

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101818\  
 Data File : BN003199.D  
 Acq On : 18 Oct 2018 10:03  
 Operator : MJ/SJ  
 Sample : J5317-17DL 2X  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Oct 19 02:10:19 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN101718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 15:26:23 2018  
 Response via : Initial Calibration

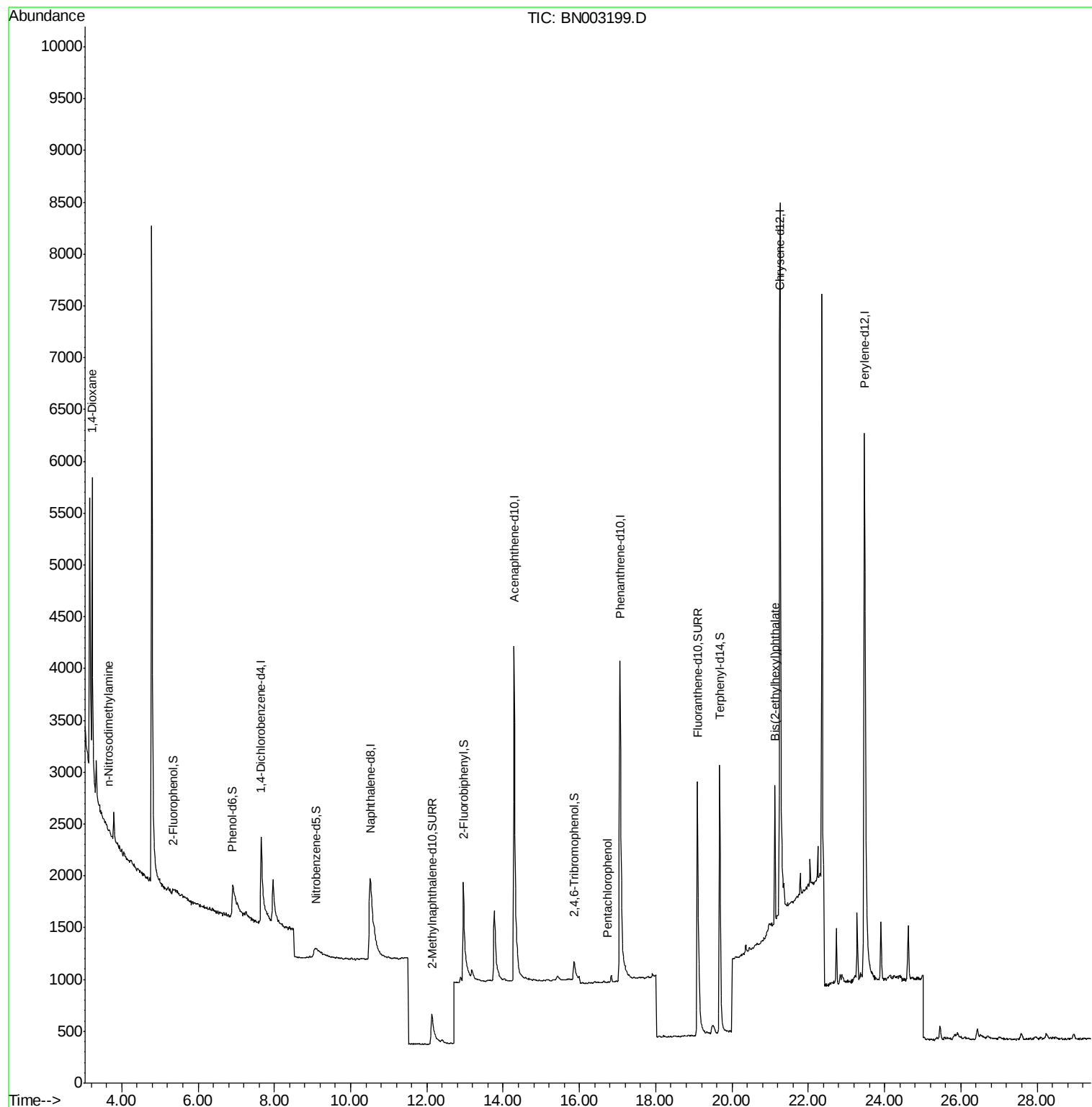
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.66  | 152  | 954      | 0.40  | ng    | 0.02     |
| 7) Naphthalene-d8              | 10.52 | 136  | 3383     | 0.40  | ng    | 0.09     |
| 13) Acenaphthene-d10           | 14.29 | 164  | 3260     | 0.40  | ng    | 0.01     |
| 19) Phenanthrene-d10           | 17.07 | 188  | 8852     | 0.40  | ng    | 0.02     |
| 27) Chrysene-d12               | 21.26 | 240  | 11111    | 0.40  | ng    | 0.01     |
| 34) Perylene-d12               | 23.47 | 264  | 11219    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.35  | 112  | 54       | 0.03  | ng    | 0.05     |
| 5) Phenol-d6                   | 6.89  | 99   | 160      | 0.05  | ng    | -0.05    |
| 8) Nitrobenzene-d5             | 9.08  | 82   | 205      | 0.09  | ng    | 0.22     |
| 11) 2-Methylnaphthalene-d10    | 12.13 | 152  | 1264     | 0.22  | ng    | 0.09     |
| 14) 2,4,6-Tribromophenol       | 15.86 | 330  | 350      | 0.17  | ng    | 0.03     |
| 15) 2-Fluorobiphenyl           | 12.96 | 172  | 2277     | 0.18  | ng    | 0.03     |
| 25) Fluoranthene-d10           | 19.09 | 212  | 5348     | 0.19  | ng    | 0.01     |
| 29) Terphenyl-d14              | 19.68 | 244  | 4968     | 0.21  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.22  | 88   | 2127     | 1.740 | ng    | 94       |
| 3) n-Nitrosodimethylamine      | 3.66  | 42   | 13       | 0.166 | ng    | # 2      |
| 22) Pentachlorophenol          | 16.74 | 266  | 1        | 0.083 | ng    | # 68     |
| 32) Bis(2-ethylhexyl)phthalate | 21.13 | 149  | 1388     | 0.086 | ng    | # 99     |

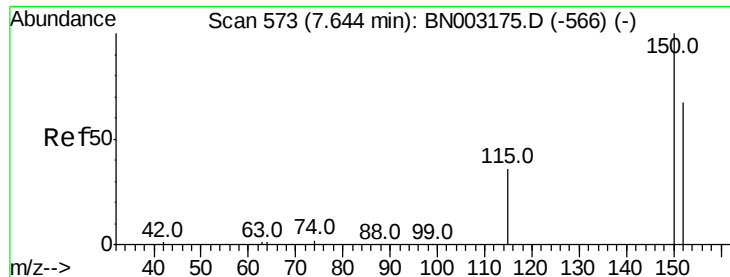
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 18 15:26:23 2018  
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.66 min Scan# 575

Delta R.T. 0.02 min

Lab File: BN003199.D

Acq: 18 Oct 2018 10:03

Instrument :

BNA\_N

ClientSampleId :

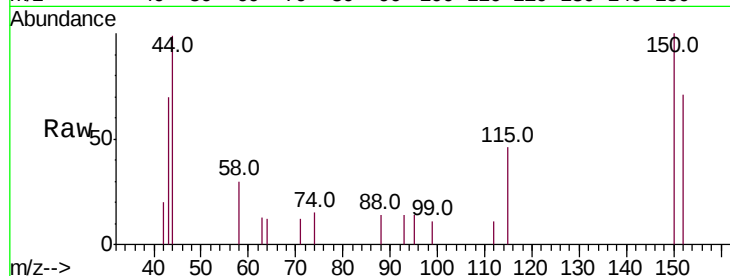
Tot Ion:152 Resp: 954

Ion Ratio Lower Upper

152 100

150 141.1 126.2 189.4

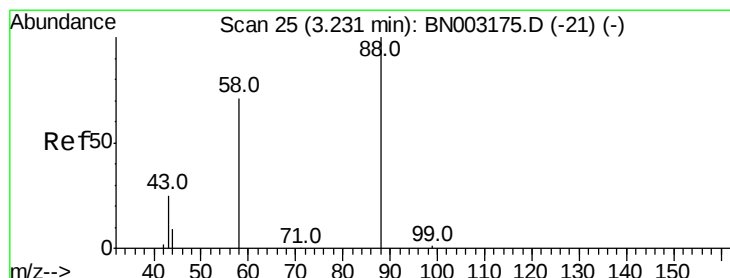
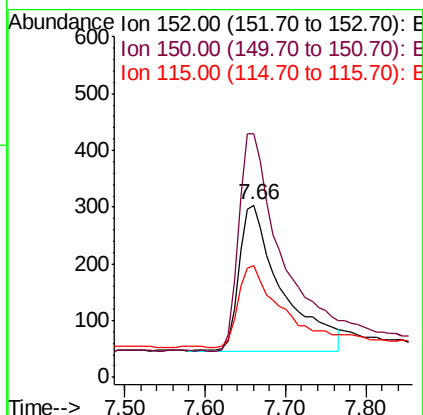
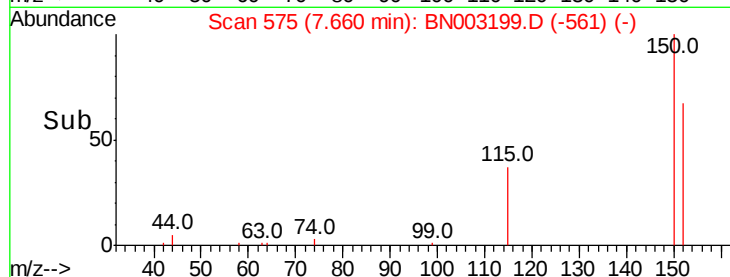
115 64.5 49.8 74.6



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: 1.740 ng

RT: 3.22 min Scan# 24

Delta R.T. -0.01 min

Lab File: BN003199.D

Acq: 18 Oct 2018 10:03

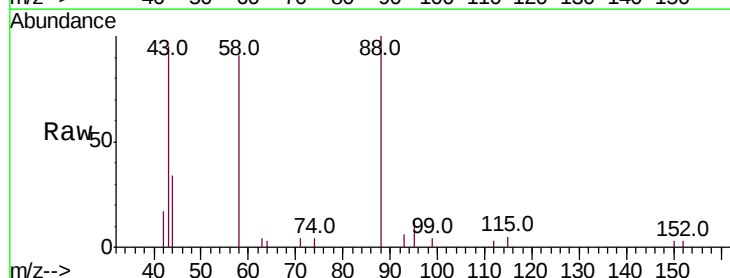
Tgt Ion: 88 Resp: 2127

Ion Ratio Lower Upper

88 100

58 78.5 66.7 100.1

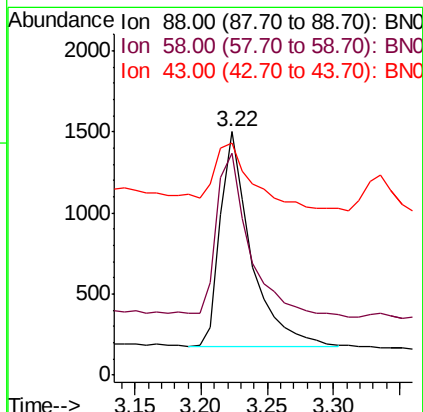
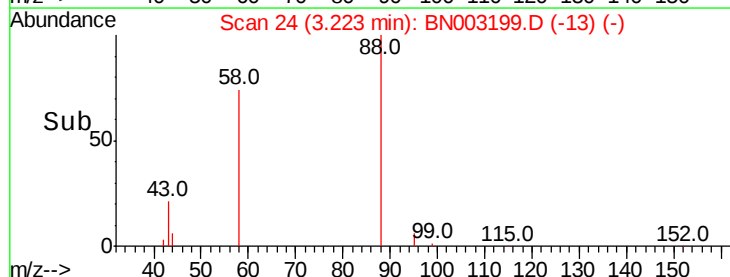
43 35.6 24.6 37.0

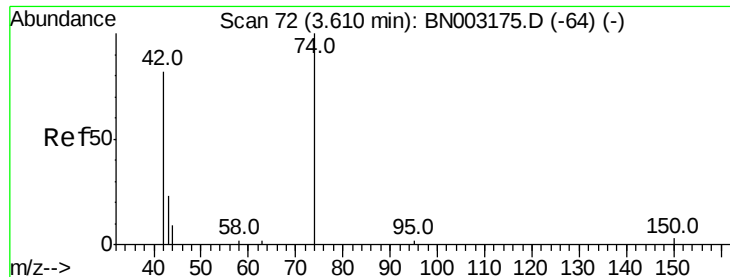


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.166 ng

RT: 3.66 min Scan# 78

Delta R.T. 0.05 min

Lab File: BN003199.D

Acq: 18 Oct 2018 10:03

Instrument :

BNA\_N

ClientSampled :

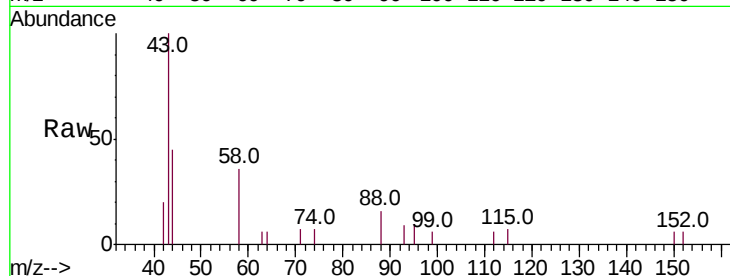
Tot Ion: 42 Resp: 13

Ion Ratio Lower Upper

42 100

74 15.4 102.9 154.3#

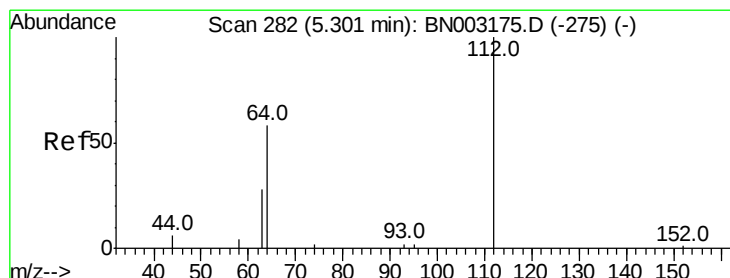
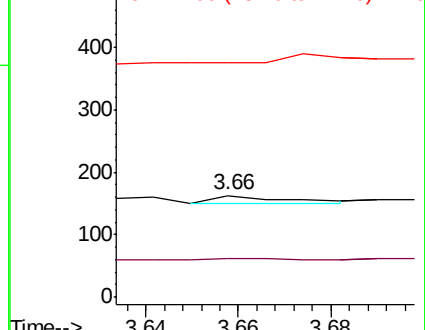
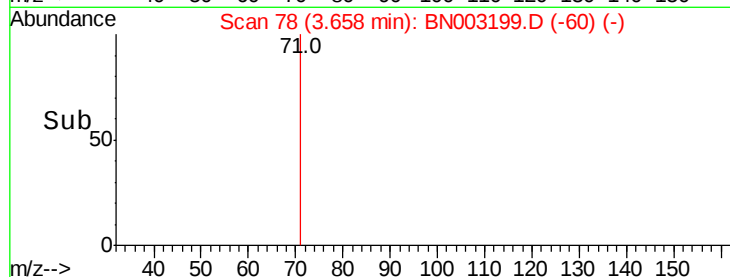
44 100.0 0.0 0.0#



Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC



#4

2-Fluorophenol

Concen: 0.026 ng

RT: 5.35 min Scan# 288

Delta R.T. 0.05 min

Lab File: BN003199.D

Acq: 18 Oct 2018 10:03

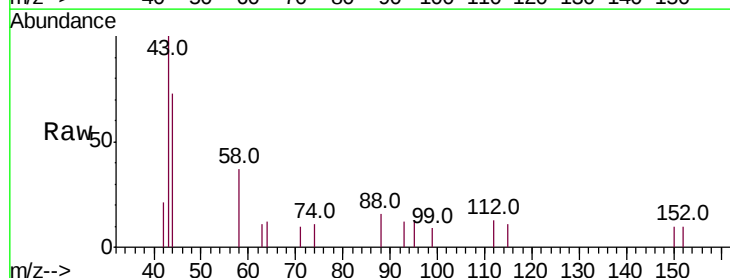
Tgt Ion: 112 Resp: 54

Ion Ratio Lower Upper

112 100

64 101.9 49.0 73.4#

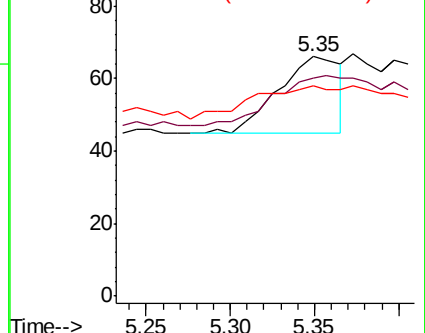
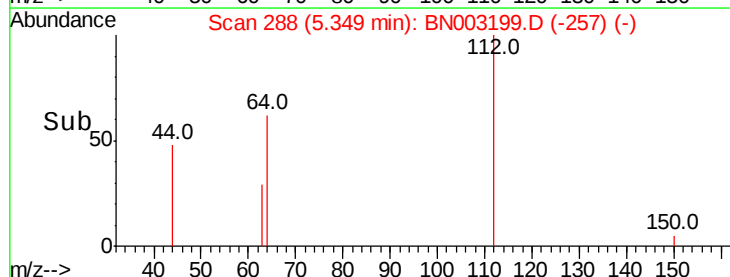
63 57.4 25.9 38.9#

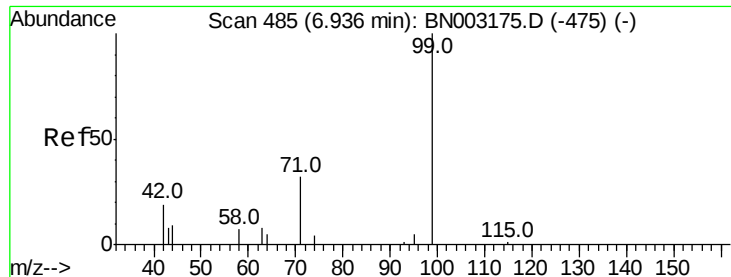


Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.053 ng

RT: 6.89 min Scan# 479

Delta R.T. -0.05 min

Lab File: BN003199.D

Acq: 18 Oct 2018 10:03

Instrument :

BNA\_N

ClientSampleId :

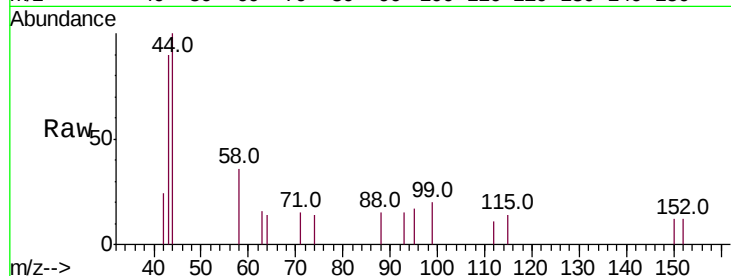
Tot Ion: 99 Resp: 160

Ion Ratio Lower Upper

99 100

42 0.0 15.4 23.2#

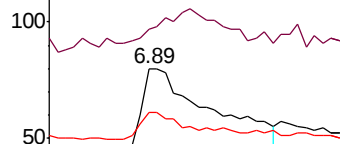
71 26.9 26.0 39.0



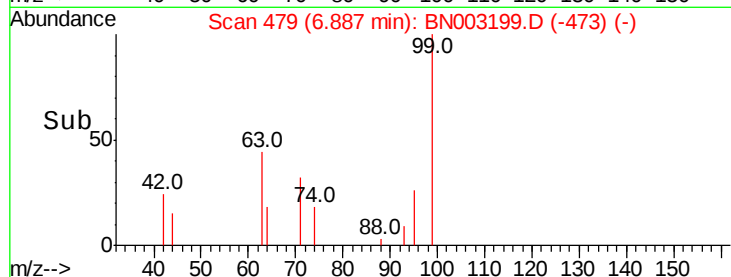
Abundance Ion 99.00 (98.70 to 99.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 71.00 (70.70 to 71.70): BN0



Time--> 6.80 6.90 7.00



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.52 min Scan# 839

Delta R.T. 0.09 min

Lab File: BN003199.D

Acq: 18 Oct 2018 10:03

Tgt Ion: 136 Resp: 3383

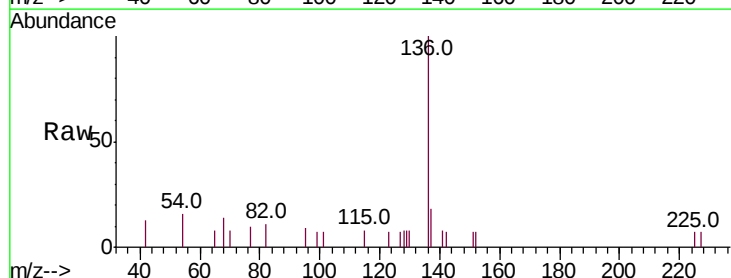
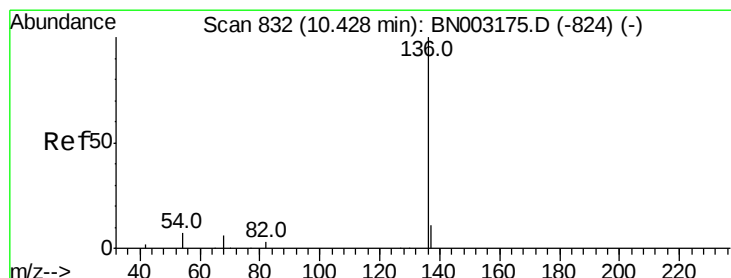
Ion Ratio Lower Upper

136 100

137 17.7 9.4 14.0#

54 15.6 7.4 11.0#

68 13.9 5.8 8.6#

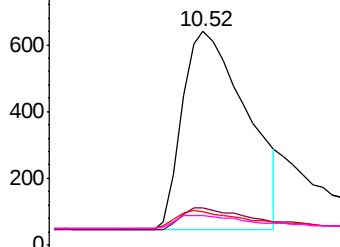


Abundance Ion 136.00 (135.70 to 136.70): E

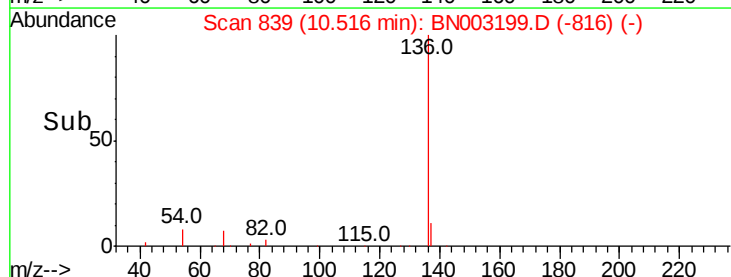
Ion 137.00 (136.70 to 137.70): E

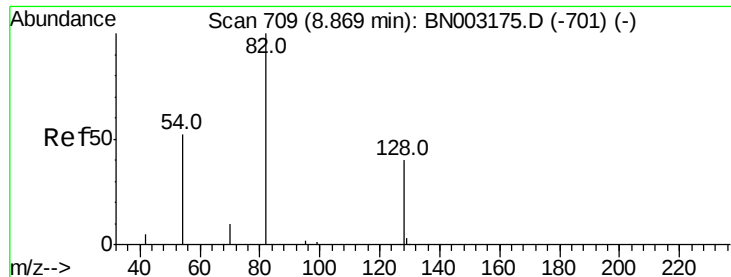
Ion 54.00 (53.70 to 54.70): BN0

Ion 68.00 (67.70 to 68.70): BN0



Time--> 10.40 10.50 10.60





#8

Nitrobenzene-d5

Concen: 0.094 ng

RT: 9.08 min Scan# 726

Delta R.T. 0.22 min

Lab File: BN003199.D

Acq: 18 Oct 2018 10:03

Instrument :

BNA\_N

ClientSampleId :

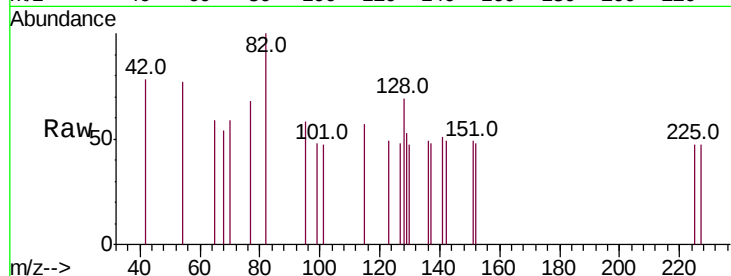
Tot Ion: 82 Resp: 205

Ion Ratio Lower Upper

82 100

128 69.5 38.2 57.4#

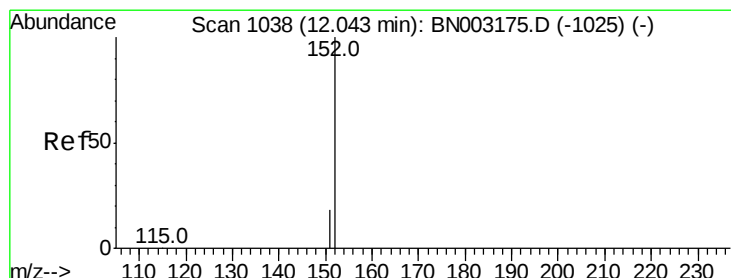
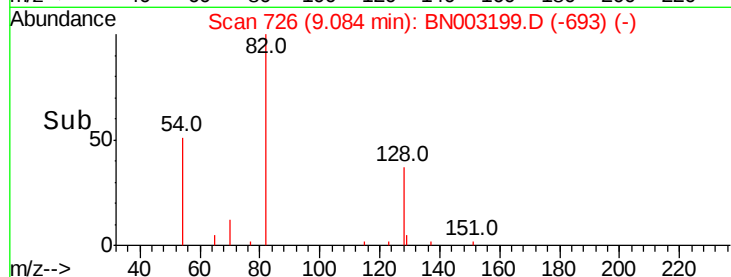
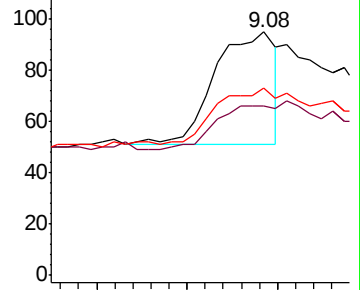
54 76.8 44.1 66.1#



Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): BNC

Ion 54.00 (53.70 to 54.70): BNC



#11

2-Methylnaphthalene-d10

Concen: 0.221 ng

RT: 12.13 min Scan# 1058

Delta R.T. 0.09 min

Lab File: BN003199.D

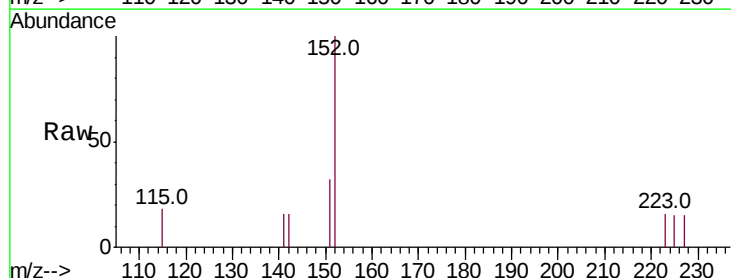
Acq: 18 Oct 2018 10:03

Tgt Ion: 152 Resp: 1264

Ion Ratio Lower Upper

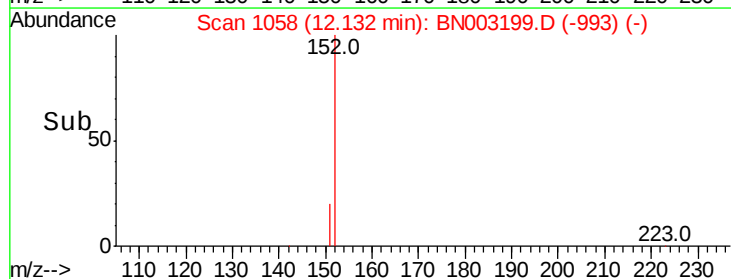
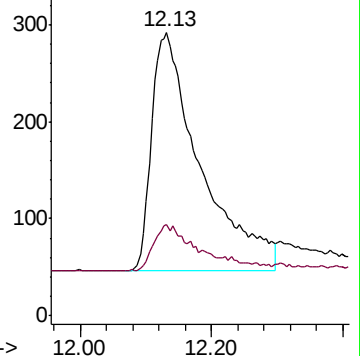
152 100

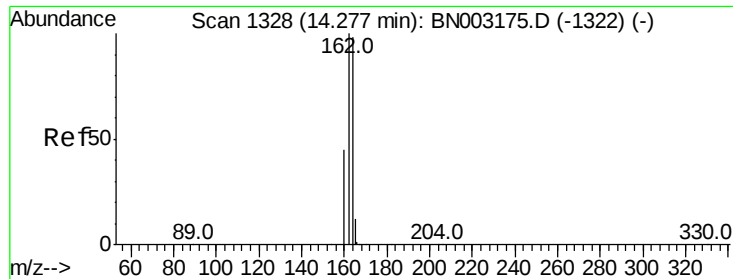
151 17.5 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): BNC

Ion 151.00 (150.70 to 151.70): BNC





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.29 min Scan# 1329

Delta R.T. 0.01 min

Lab File: BN003199.D

Acq: 18 Oct 2018 10:03

Instrument :

BNA\_N

ClientSampleId :

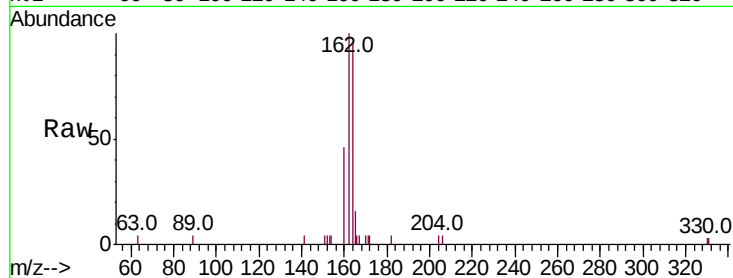
Tot Ion:164 Resp: 3260

Ion Ratio Lower Upper

164 100

162 104.1 81.7 122.5

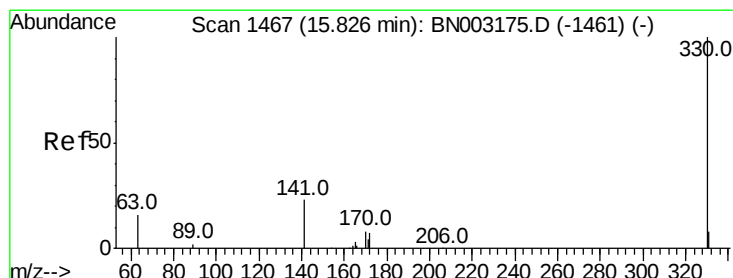
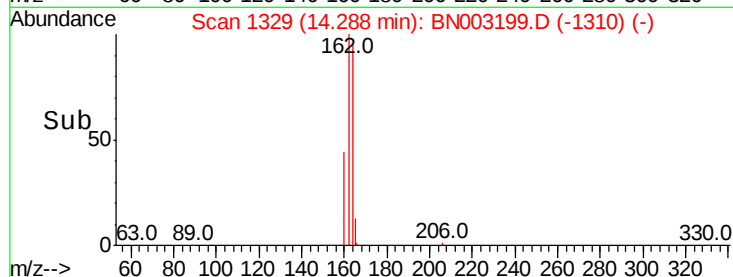
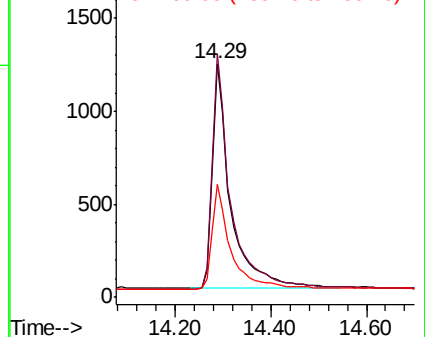
160 48.3 36.3 54.5



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: 0.168 ng

RT: 15.86 min Scan# 1470

Delta R.T. 0.03 min

Lab File: BN003199.D

Acq: 18 Oct 2018 10:03

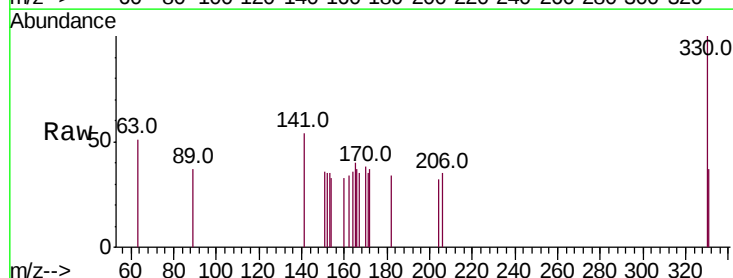
Tgt Ion:330 Resp: 350

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

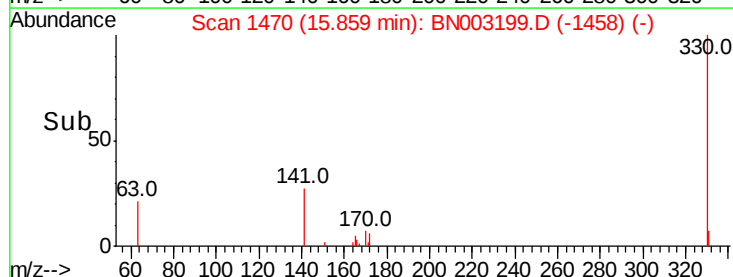
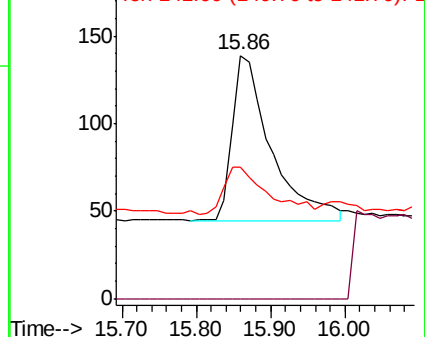
141 31.4 22.6 33.8

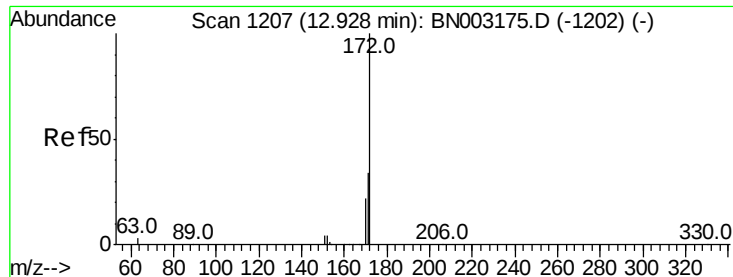


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

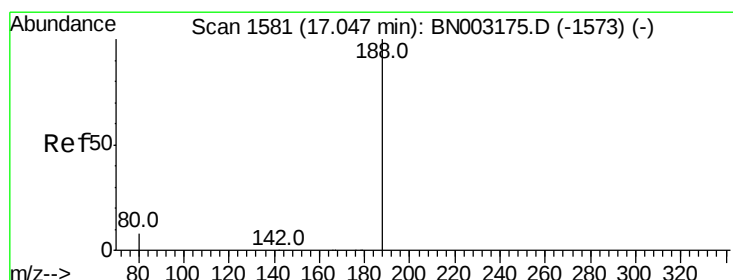
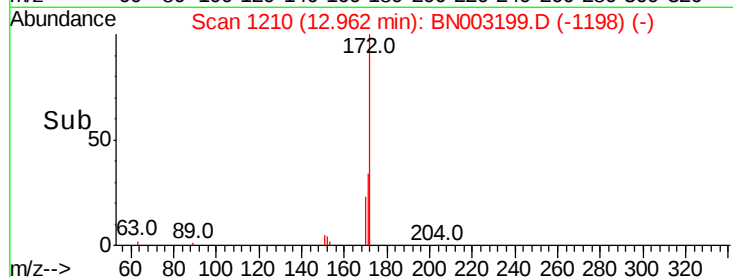
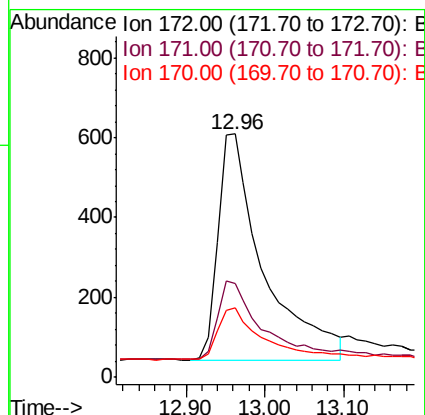
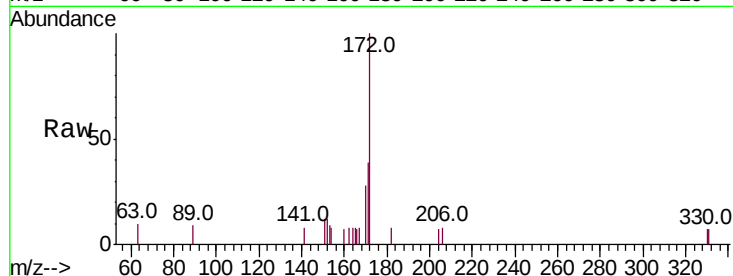




#15  
2-Fluorobiphenyl  
Concen: 0.177 ng  
RT: 12.96 min Scan# 1210  
Delta R.T. 0.03 min  
Lab File: BN003199.D  
Acq: 18 Oct 2018 10:03

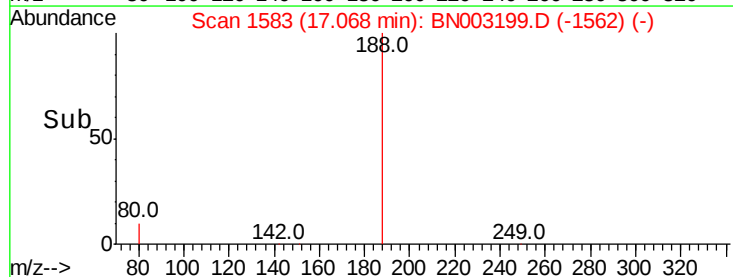
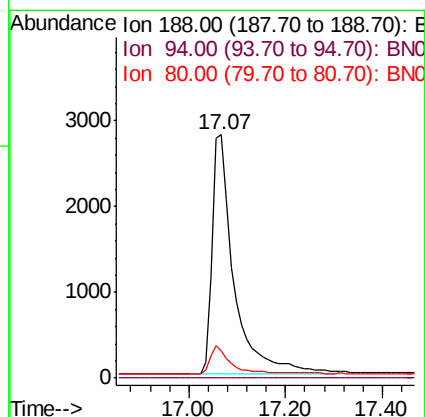
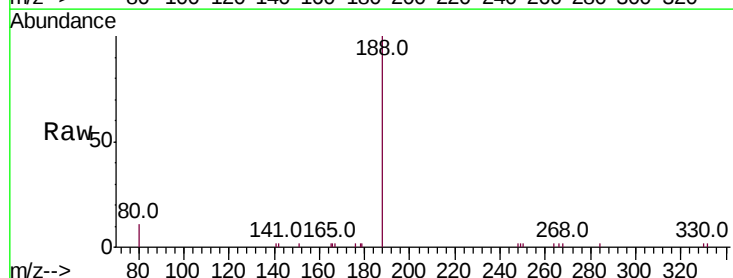
Instrument :  
BNA\_N  
ClientSampleId :

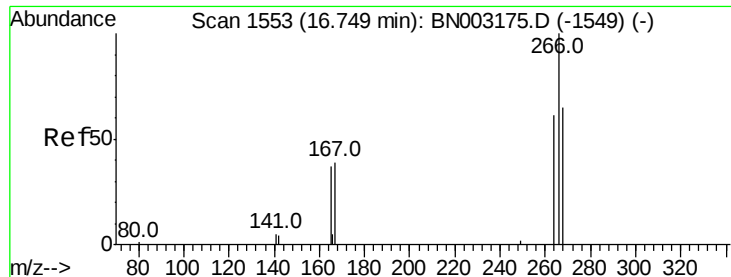
Tot Ion:172 Resp: 2277  
Ion Ratio Lower Upper  
172 100  
171 38.8 28.6 43.0  
170 28.4 18.6 27.8#



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.07 min Scan# 1583  
Delta R.T. 0.02 min  
Lab File: BN003199.D  
Acq: 18 Oct 2018 10:03

Tgt Ion:188 Resp: 8852  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.3 6.7 10.1#

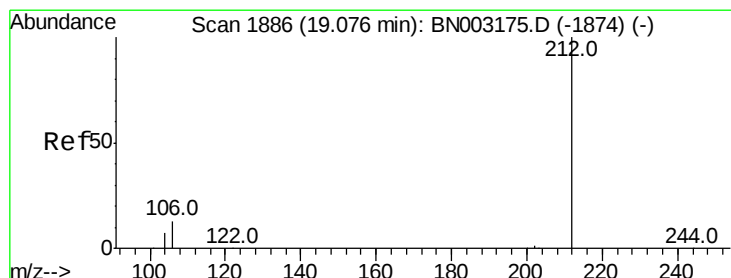
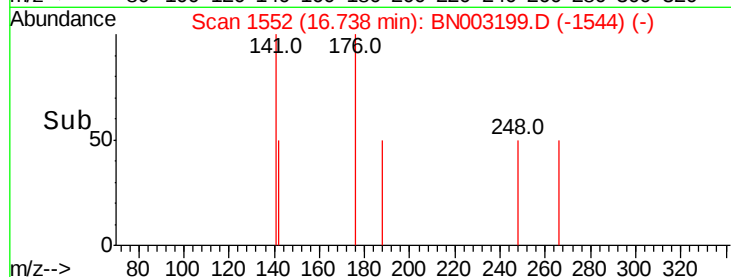
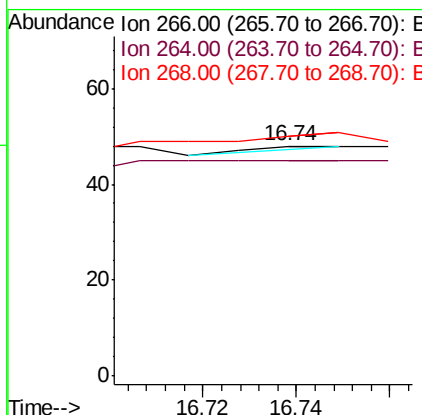
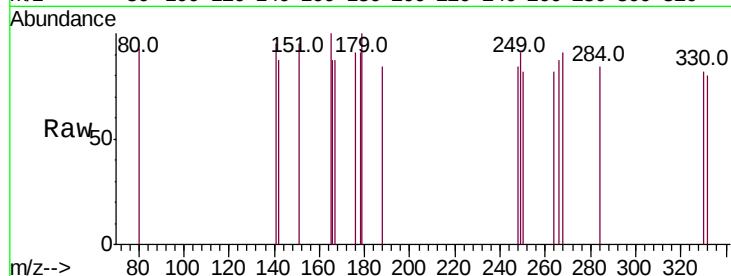




#22  
 Pentachlorophenol  
 Concen: 0.083 ng  
 RT: 16.74 min Scan# 1552  
 Delta R.T. -0.01 min  
 Lab File: BN003199.D  
 Acq: 18 Oct 2018 10:03

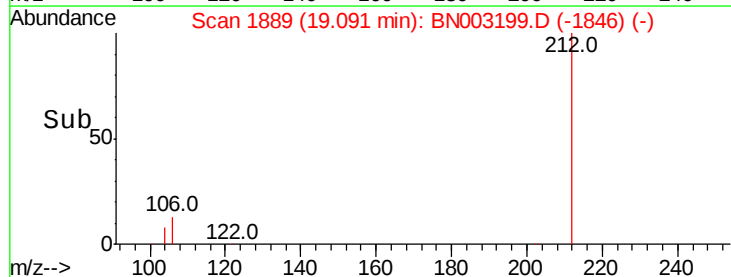
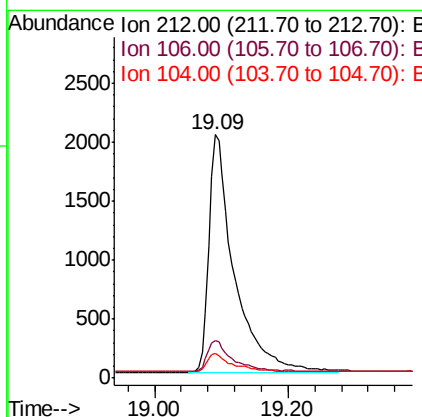
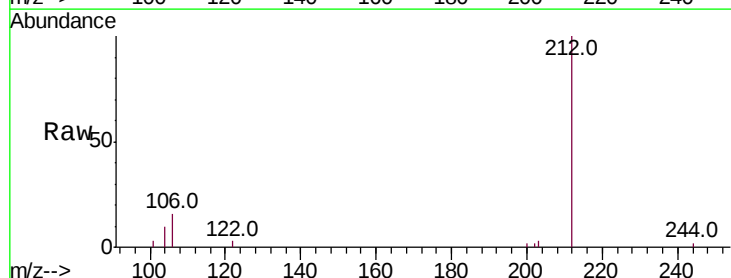
Instrument :  
 BNA\_N  
 ClientSampleId :

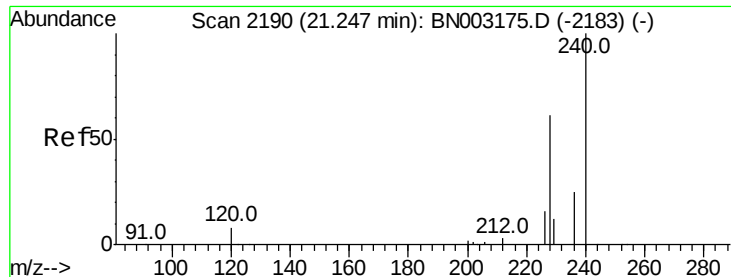
Tot Ion:266 Resp: 1  
 Ion Ratio Lower Upper  
 266 100  
 264 93.8 55.0 82.4#  
 268 104.2 60.6 91.0#



#25  
 Fluoranthene-d10  
 Concen: 0.195 ng  
 RT: 19.09 min Scan# 1889  
 Delta R.T. 0.01 min  
 Lab File: BN003199.D  
 Acq: 18 Oct 2018 10:03

Tgt Ion:212 Resp: 5348  
 Ion Ratio Lower Upper  
 212 100  
 106 13.0 10.2 15.4  
 104 7.6 5.8 8.6





#27

Chrvsene-d12

Concen: 0.400 ng

RT: 21.26 min Scan# 2191

Delta R.T. 0.01 min

Lab File: BN003199.D

Acq: 18 Oct 2018 10:03

Instrument :

BNA\_N

ClientSampleId :

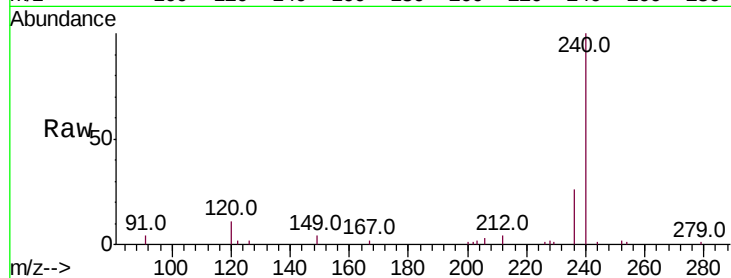
Tot Ion:240 Resp: 11111

Ion Ratio Lower Upper

240 100

120 10.8 7.8 11.8

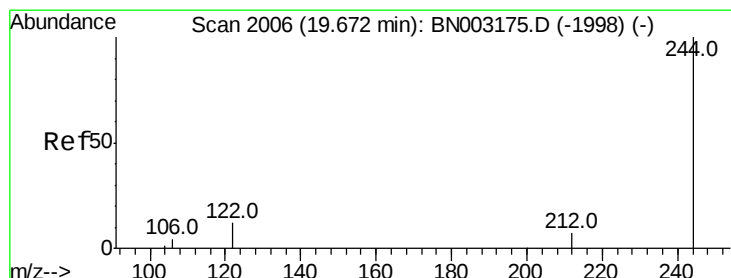
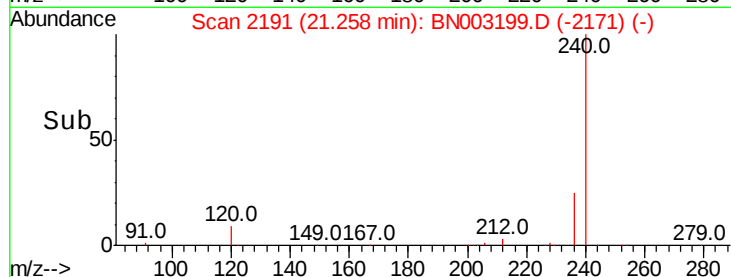
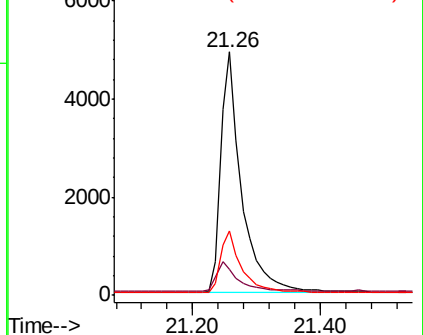
236 26.4 21.0 31.4



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: 0.206 ng

RT: 19.68 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BN003199.D

Acq: 18 Oct 2018 10:03

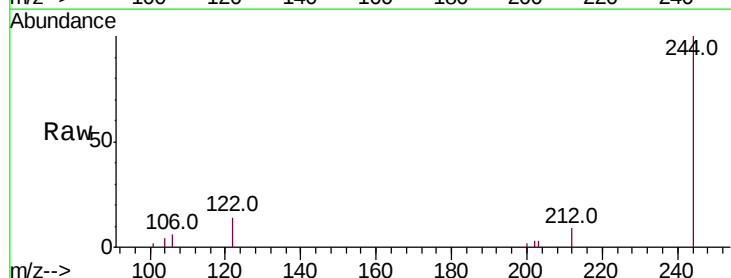
Tgt Ion:244 Resp: 4968

Ion Ratio Lower Upper

244 100

212 8.8 6.2 9.4

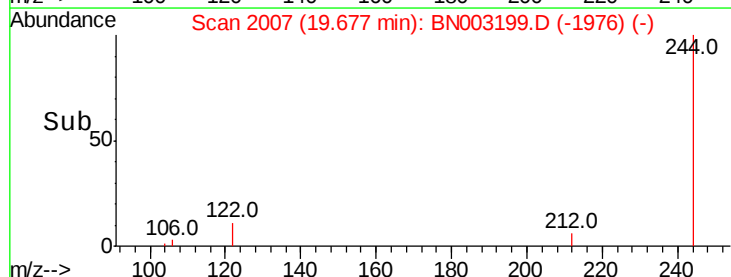
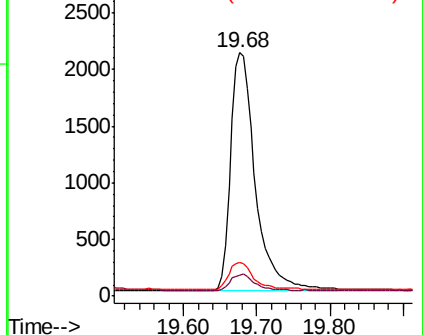
122 13.8 9.1 13.7#

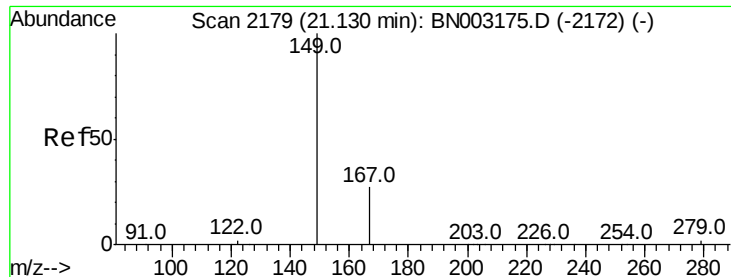


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

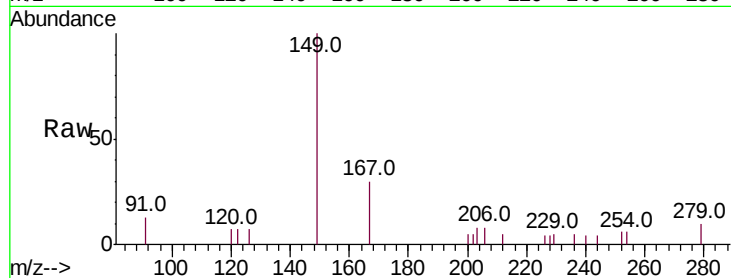




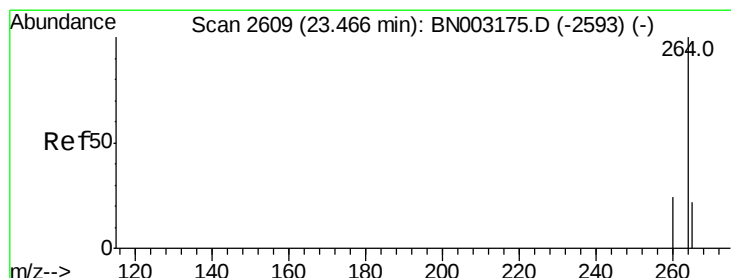
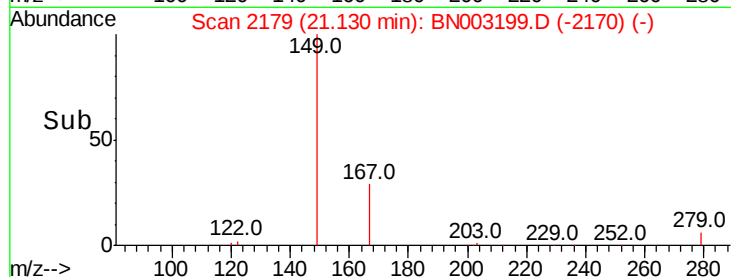
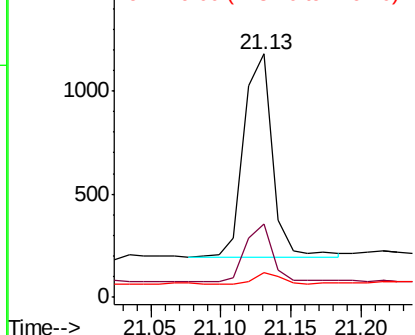
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.086 ng  
 RT: 21.13 min Scan# 2179  
 Delta R.T. 0.00 min  
 Lab File: BN003199.D  
 Acq: 18 Oct 2018 10:03

Instrument :  
 BNA\_N  
 ClientSampleId :

Tot Ion:149 Resp: 1388  
 Ion Ratio Lower Upper  
 149 100  
 167 27.7 22.2 33.4  
 279 5.6 3.7 5.5#

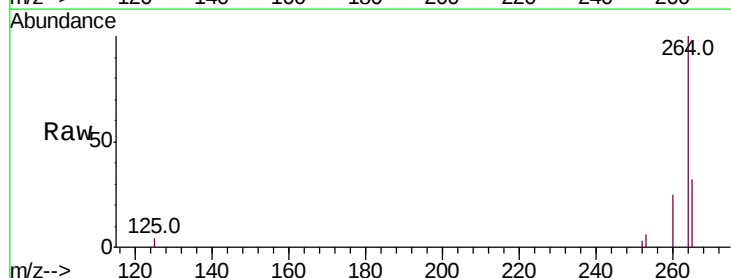


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.47 min Scan# 2611  
 Delta R.T. 0.01 min  
 Lab File: BN003199.D  
 Acq: 18 Oct 2018 10:03

Tgt Ion:264 Resp: 11219  
 Ion Ratio Lower Upper  
 264 100  
 260 25.1 19.7 29.5  
 265 31.9 27.6 41.4



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

