

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN071420\  
 Data File : BN011163.D  
 Acq On : 14 Jul 2020 17:28  
 Operator : CG/JU  
 Sample : PB130139BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB130139BL

Quant Time: Jul 14 17:59:19 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN071120.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 14 15:08:13 2020  
 Response via : Initial Calibration

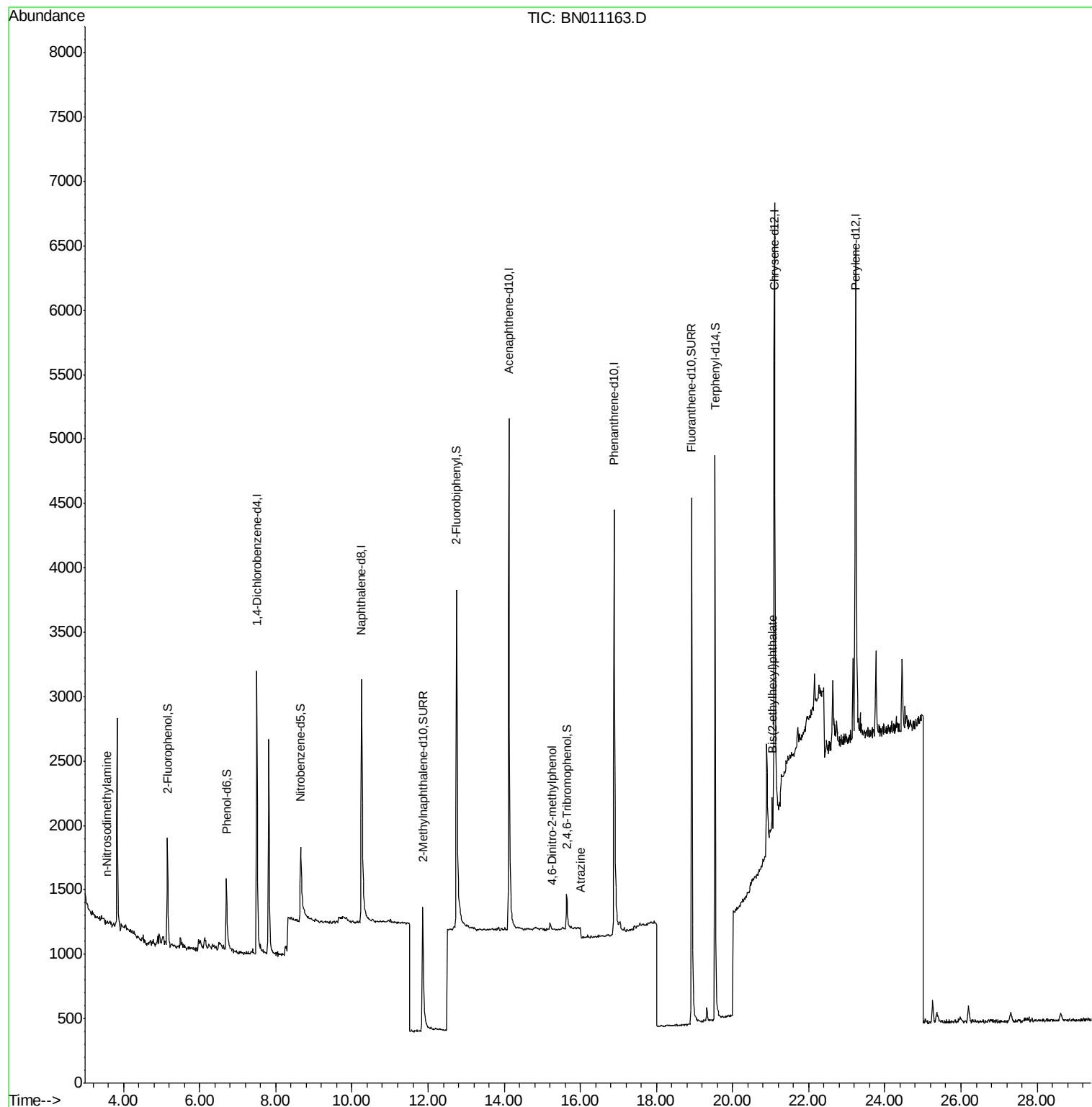
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.50  | 152  | 1304     | 0.40      | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.25 | 136  | 4177     | 0.40      | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.13 | 164  | 2710     | 0.40      | ng    | 0.00     |
| 19) Phenanthrene-d10           | 16.88 | 188  | 6545     | 0.40      | ng    | 0.00     |
| 29) Chrysene-d12               | 21.10 | 240  | 6177     | 0.40      | ng    | 0.00     |
| 36) Perylene-d12               | 23.23 | 264  | 6004     | 0.40      | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 4) 2-Fluorophenol              | 5.15  | 112  | 829      | 0.26      | ng    | 0.00     |
| 5) Phenol-d6                   | 6.71  | 99   | 910      | 0.25      | ng    | 0.01     |
| 8) Nitrobenzene-d5             | 8.65  | 82   | 1043     | 0.28      | ng    | 0.02     |
| 11) 2-Methylnaphthalene-d10    | 11.86 | 152  | 2276     | 0.34      | ng    | 0.01     |
| 14) 2,4,6-Tribromophenol       | 15.64 | 330  | 348      | 0.29      | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 12.75 | 172  | 3702     | 0.29      | ng    | 0.00     |
| 27) Fluoranthene-d10           | 18.92 | 212  | 6370     | 0.31      | ng    | 0.00     |
| 31) Terphenyl-d14              | 19.54 | 244  | 5230     | 0.33      | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       | Qvalue   |
| 3) n-Nitrosodimethylamine      | 3.55  | 42   | 31       | 0.033     | ng    | # 1      |
| 20) 4,6-Dinitro-2-methylphenol | 15.25 | 198  | 2        | 0.135     | ng    | # 7      |
| 23) Atrazine                   | 16.02 | 200  | 137      | 0.044     | ng    | # 14     |
| 34) Bis(2-ethylhexyl)phthalate | 21.04 | 149  | 240      | 0.029     | ng    | # 96     |
| 35) Indeno(1,2,3-cd)pyrene     | 25.36 | 276  | 113      | Below Cal |       | # 59     |

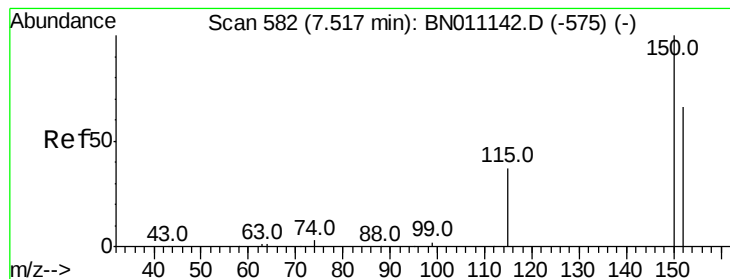
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 14 17:59:19 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN071120.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 14 15:08:13 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.50 min Scan# 561

Delta R.T. -0.00 min

Lab File: BN011163.D

Acq: 14 Jul 2020 17:28

Instrument :

BNA\_N

ClientSampleId :

PB130139BL

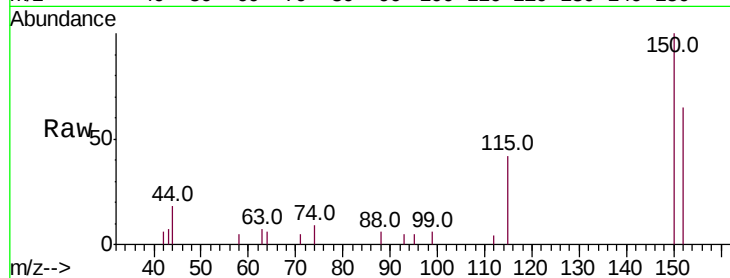
Tot Ion:152 Resp: 1304

Ion Ratio Lower Upper

152 100

150 155.0 119.4 179.0

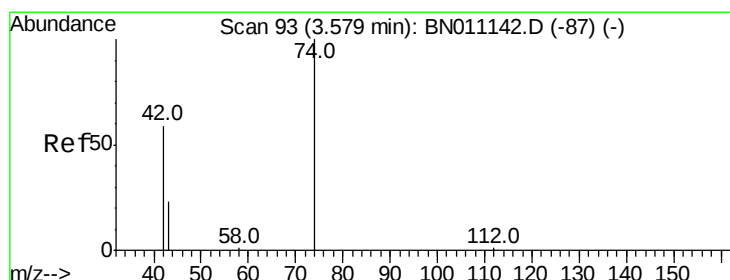
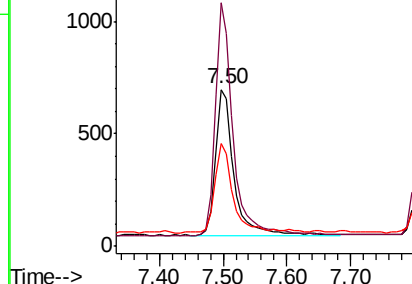
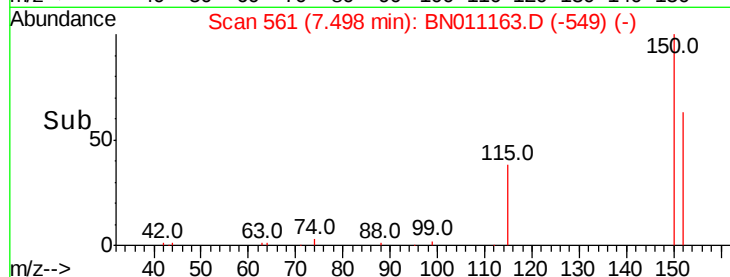
115 65.6 48.3 72.5



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: 0.033 ng

RT: 3.55 min Scan# 71

Delta R.T. 0.04 min

Lab File: BN011163.D

Acq: 14 Jul 2020 17:28

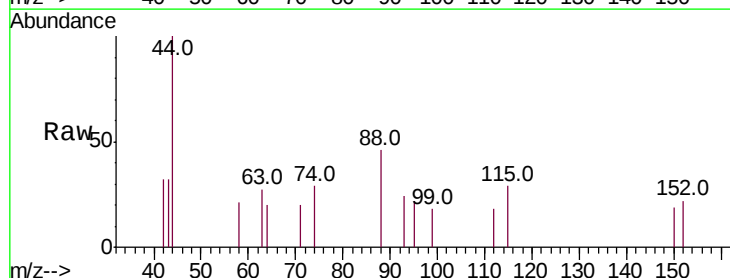
Tgt Ion: 42 Resp: 31

Ion Ratio Lower Upper

42 100

74 16.1 140.9 211.3#

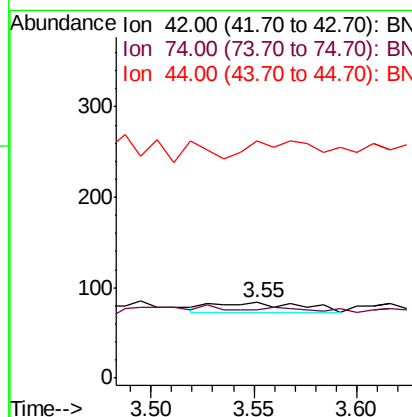
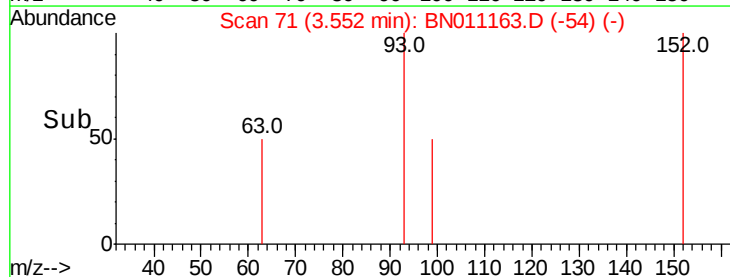
44 135.5 7.6 11.4#

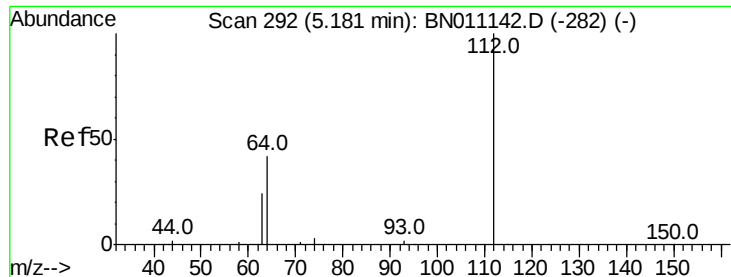


Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC





#4

2-Fluorophenol

Concen: 0.258 ng

RT: 5.15 min Scan# 270

Delta R.T. 0.01 min

Lab File: BN011163.D

Acq: 14 Jul 2020 17:28

Instrument :

BNA\_N

ClientSampleId :

PB130139BL

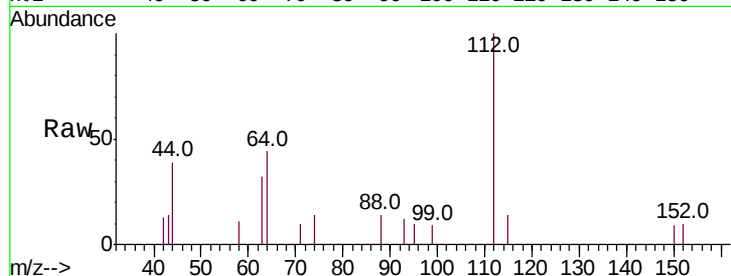
Tot Ion:112 Resp: 829

Ion Ratio Lower Upper

112 100

64 45.4 36.7 55.1

63 28.3 20.4 30.6

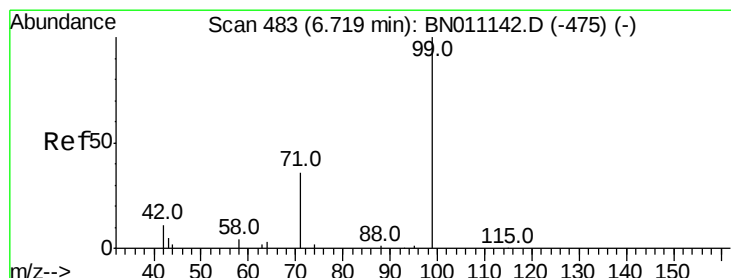
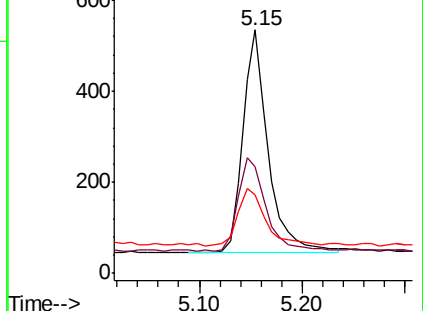
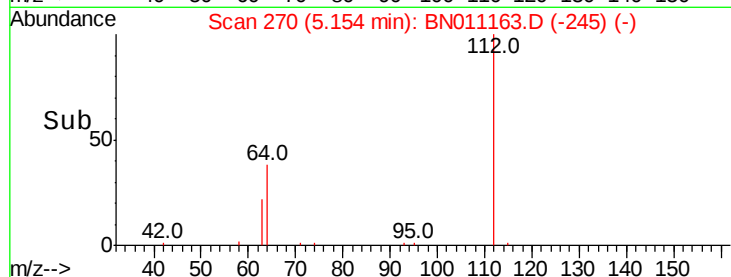


Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

5.15



#5

Phenol-d6

Concen: 0.250 ng

RT: 6.71 min Scan# 463

Delta R.T. 0.01 min

Lab File: BN011163.D

Acq: 14 Jul 2020 17:28

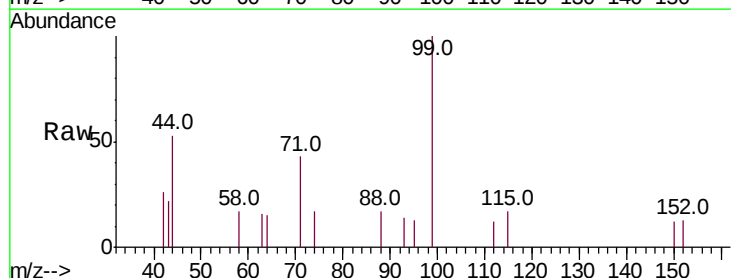
Tgt Ion: 99 Resp: 910

Ion Ratio Lower Upper

99 100

42 17.7 10.8 16.2#

71 40.7 31.3 46.9

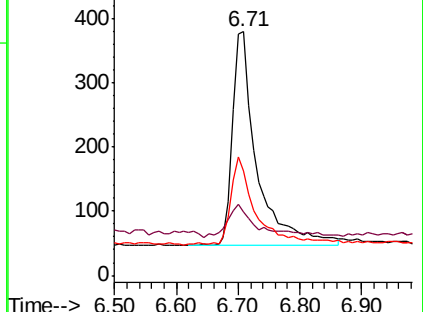
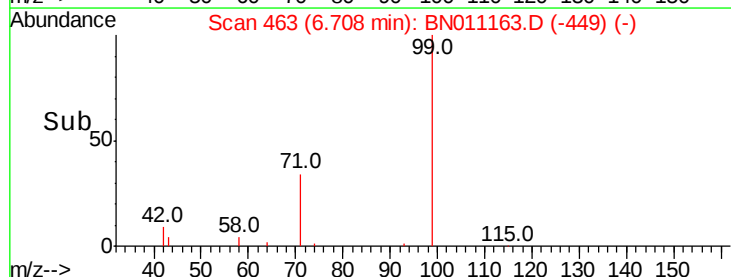


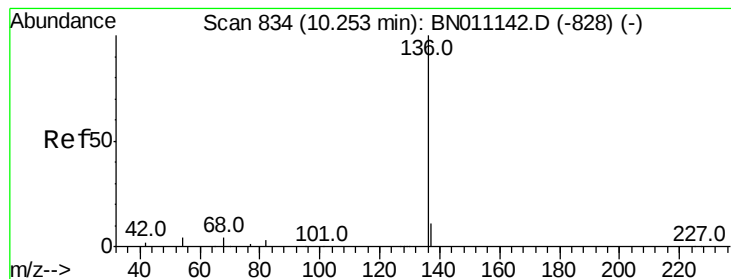
Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC

6.71





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.25 min Scan# 815

Delta R.T. 0.01 min

Lab File: BN011163.D

Acq: 14 Jul 2020 17:28

Instrument :

BNA\_N

ClientSampleId :

PB130139BL

Tot Ion:136 Resp: 4177

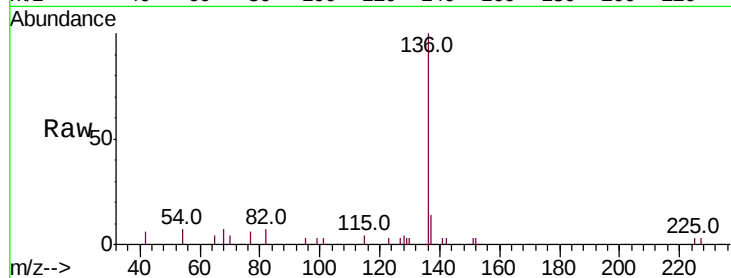
Ion Ratio Lower Upper

136 100

137 13.6 10.3 15.5

54 7.3 4.9 7.3

68 7.3 4.9 7.3

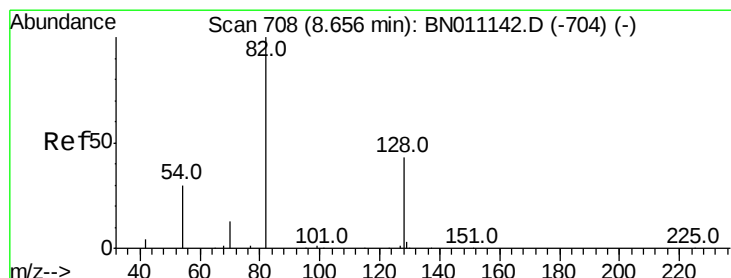
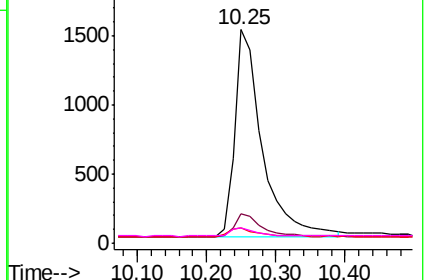
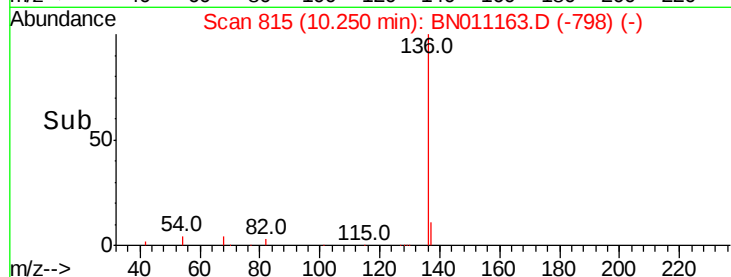


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.282 ng

RT: 8.65 min Scan# 689

Delta R.T. 0.02 min

Lab File: BN011163.D

Acq: 14 Jul 2020 17:28

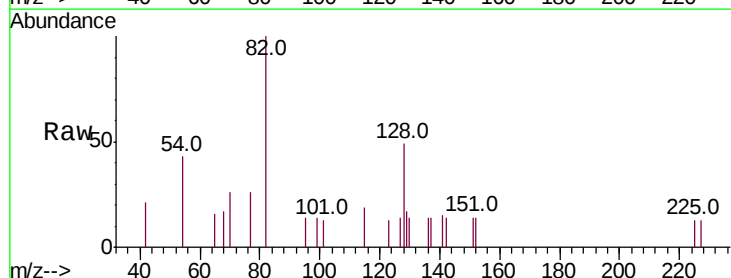
Tgt Ion: 82 Resp: 1043

Ion Ratio Lower Upper

82 100

128 48.8 38.1 57.1

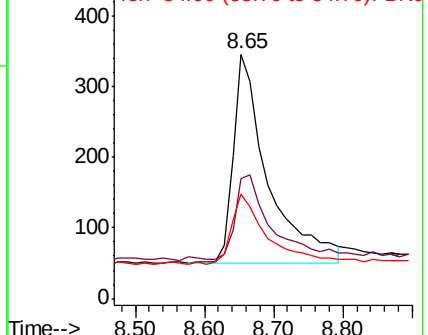
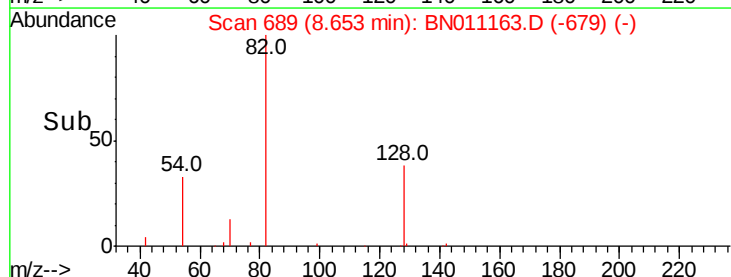
54 42.8 27.1 40.7#

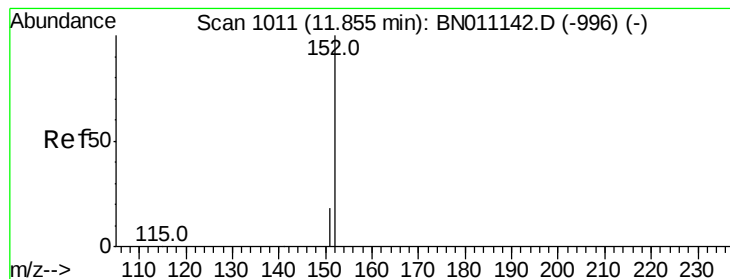


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

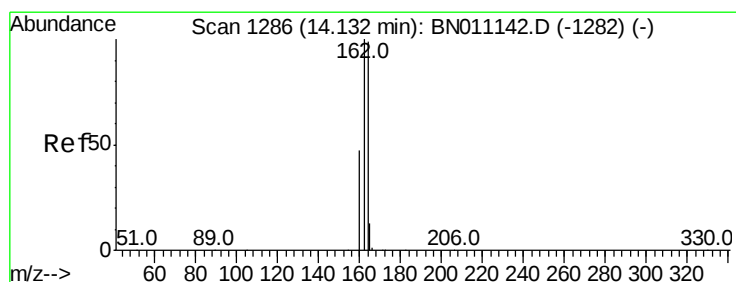
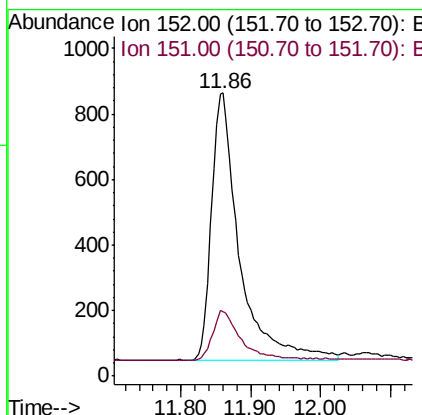
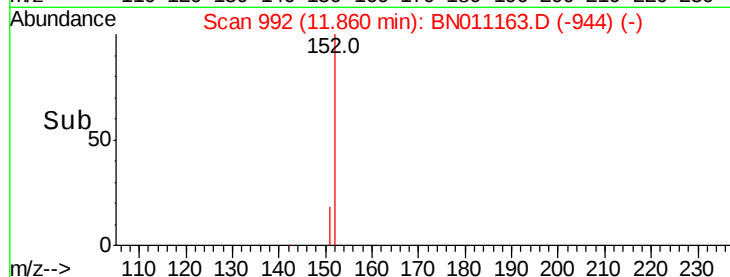
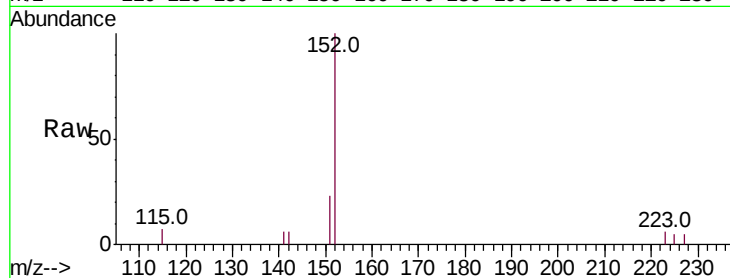




#11  
2-Methylnaphthalene-d10  
Concen: 0.336 ng  
RT: 11.86 min Scan# 992  
Delta R.T. 0.01 min  
Lab File: BN011163.D  
Acq: 14 Jul 2020 17:28

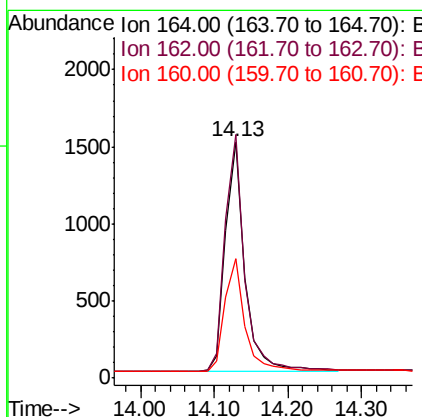
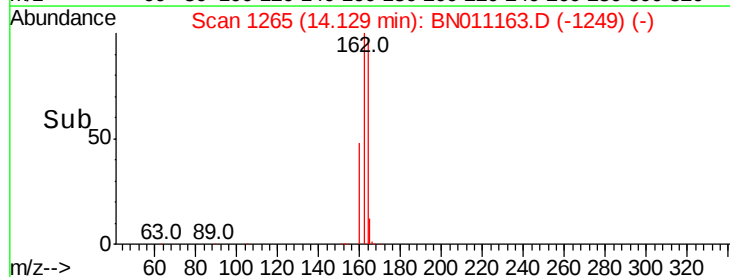
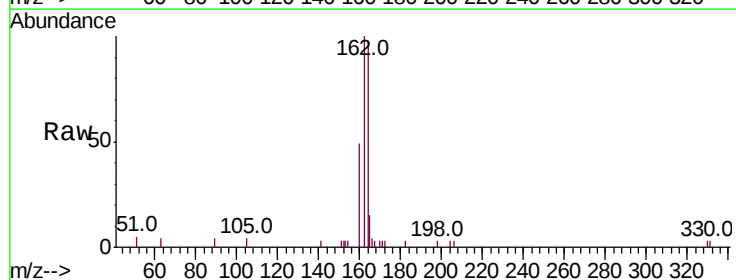
Instrument :  
BNA\_N  
ClientSampleId :  
PB130139BL

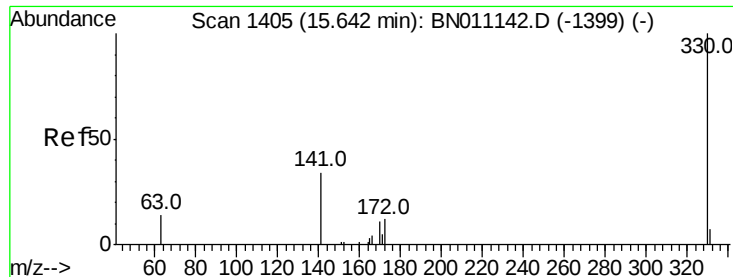
Tot Ion:152 Resp: 2276  
Ion Ratio Lower Upper  
152 100  
151 18.3 16.5 24.7



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.13 min Scan# 1265  
Delta R.T. 0.01 min  
Lab File: BN011163.D  
Acq: 14 Jul 2020 17:28

Tgt Ion:164 Resp: 2710  
Ion Ratio Lower Upper  
164 100  
162 102.9 81.0 121.4  
160 50.7 39.0 58.6

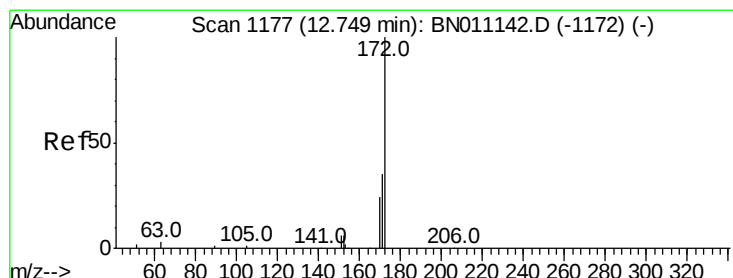
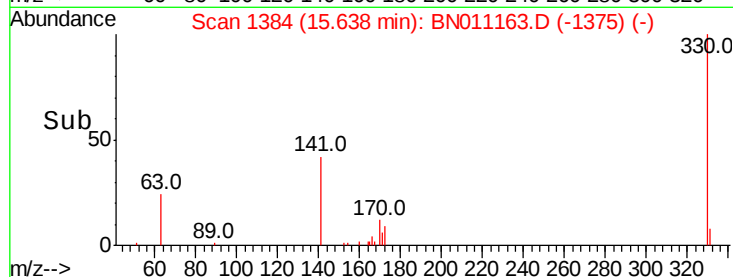
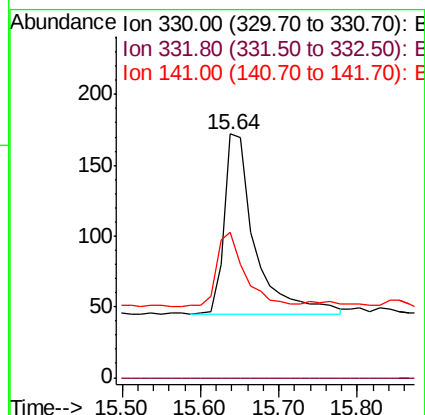
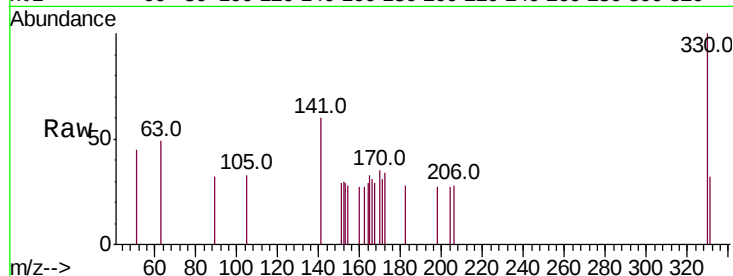




#14  
 2,4,6-Tribromophenol  
 Concen: 0.289 ng  
 RT: 15.64 min Scan# 1384  
 Delta R.T. 0.01 min  
 Lab File: BN011163.D  
 Acq: 14 Jul 2020 17:28

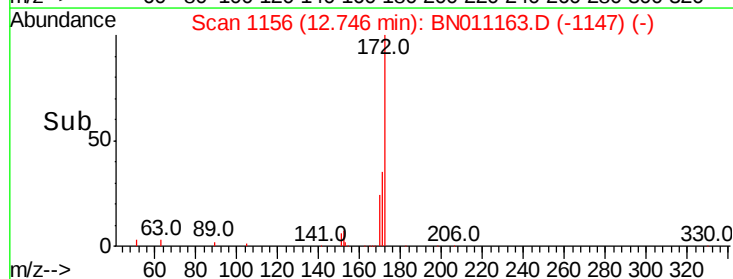
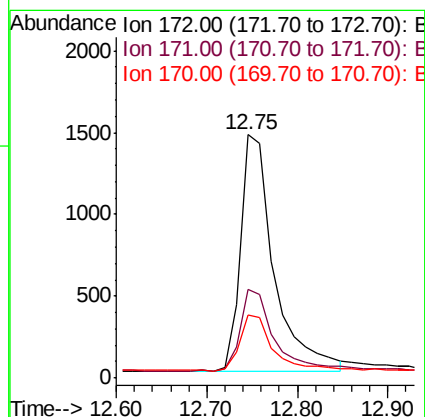
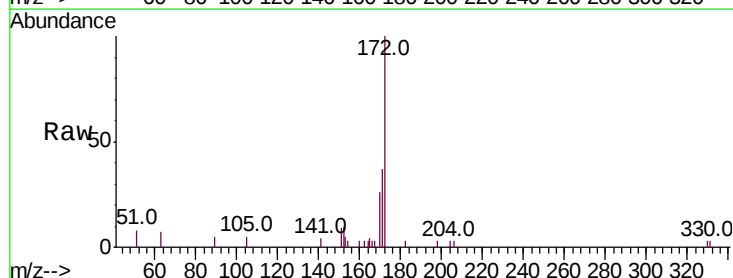
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB130139BL

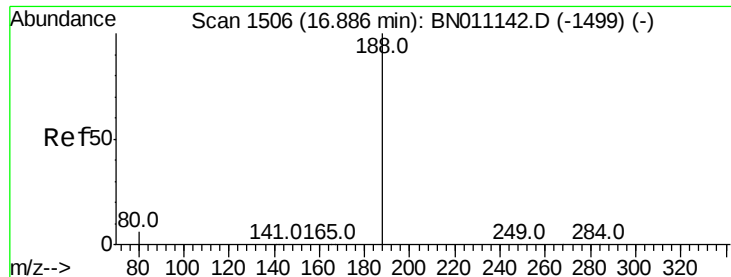
Tot Ion:330 Resp: 348  
 Ion Ratio Lower Upper  
 330 100  
 332 0.0 0.0 0.0  
 141 38.5 31.5 47.3



#15  
 2-Fluorobiphenyl  
 Concen: 0.292 ng  
 RT: 12.75 min Scan# 1156  
 Delta R.T. 0.01 min  
 Lab File: BN011163.D  
 Acq: 14 Jul 2020 17:28

Tgt Ion:172 Resp: 3702  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 29.0 43.6  
 170 26.1 20.3 30.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.88 min Scan# 1485

Delta R.T. 0.01 min

Lab File: BN011163.D

Acq: 14 Jul 2020 17:28

Instrument :

BNA\_N

ClientSampleId :

PB130139BL

Tot Ion:188 Resp: 6545

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

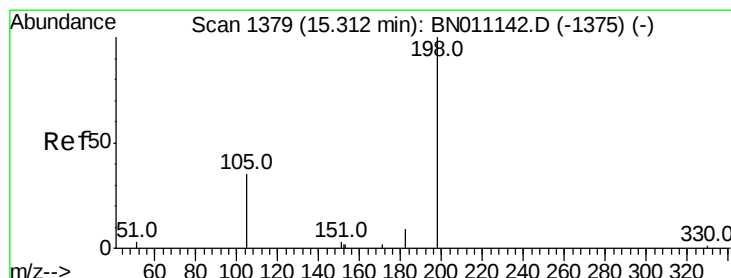
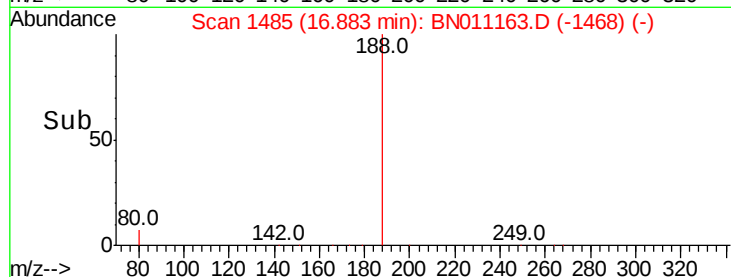
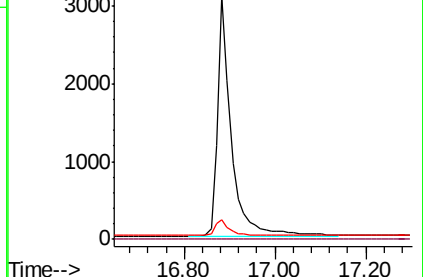
80 8.1 6.3 9.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#20

4,6-Dinitro-2-methylphenol

Concen: 0.135 ng

RT: 15.25 min Scan# 1353

Delta R.T. -0.04 min

Lab File: BN011163.D

Acq: 14 Jul 2020 17:28

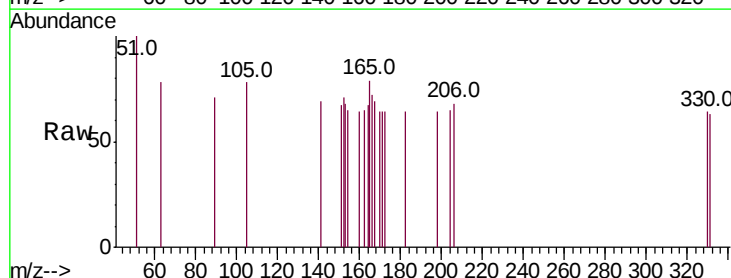
Tgt Ion:198 Resp: 2

Ion Ratio Lower Upper

198 100

51 156.5 53.1 79.7#

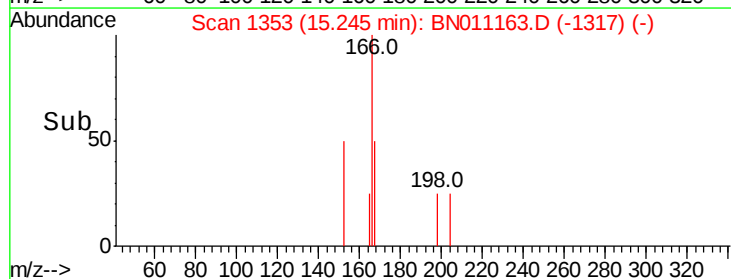
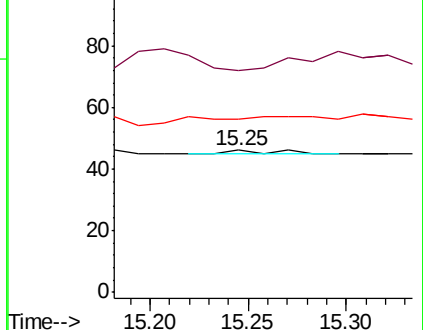
105 121.7 51.9 77.9#

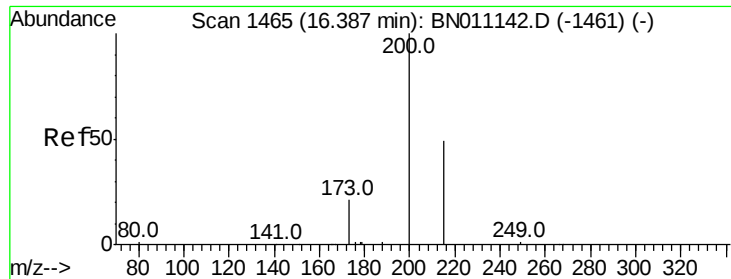


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNO

Ion 105.00 (104.70 to 105.70): E





#23

Atrazine

Concen: 0.044 ng

RT: 16.02 min Scan# 1414

Delta R.T. -0.34 min

Lab File: BN011163.D

Acq: 14 Jul 2020 17:28

Instrument :

BNA\_N

ClientSampleId :

PB130139BL

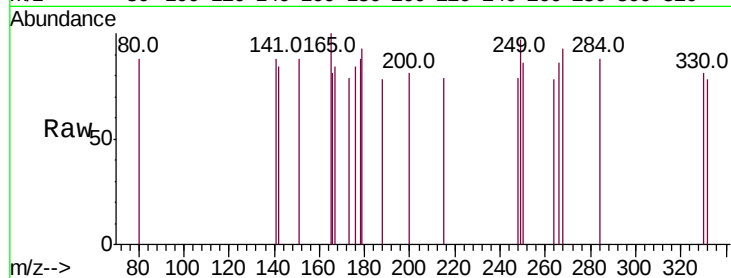
Tot Ion:200 Resp: 137

Ion Ratio Lower Upper

200 100

173 97.9 23.0 34.4#

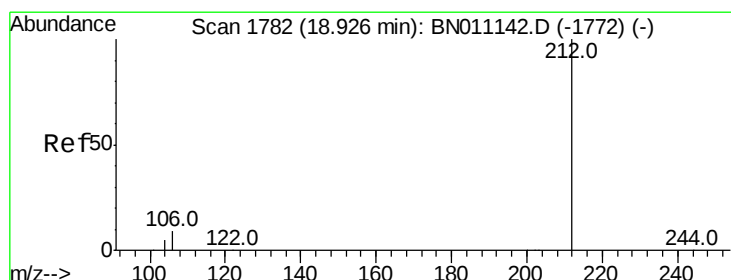
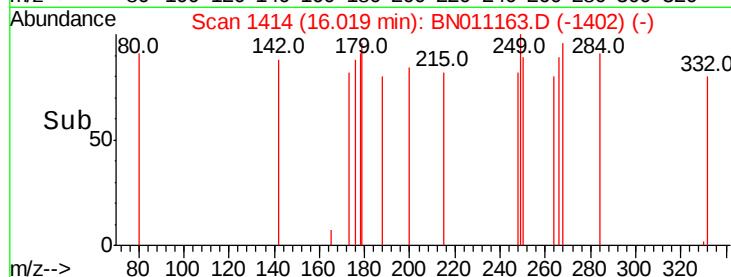
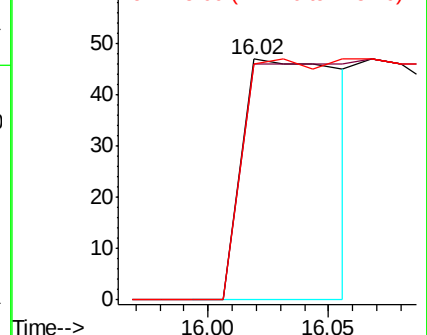
215 97.9 42.6 63.8#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#27

Fluoranthene-d10

Concen: 0.309 ng

RT: 18.92 min Scan# 1761

Delta R.T. 0.00 min

Lab File: BN011163.D

Acq: 14 Jul 2020 17:28

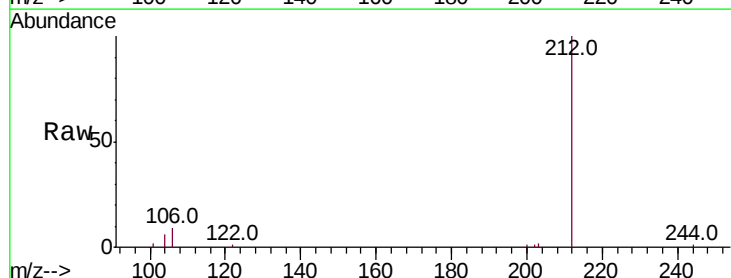
Tgt Ion:212 Resp: 6370

Ion Ratio Lower Upper

212 100

106 7.8 7.0 10.6

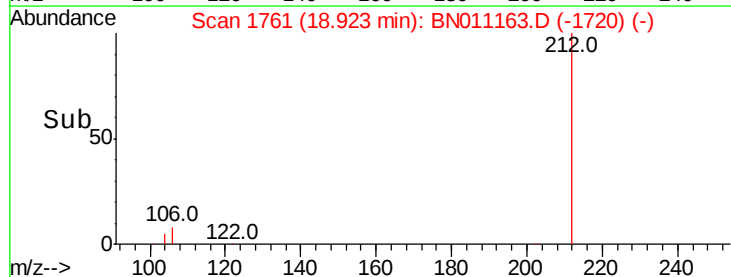
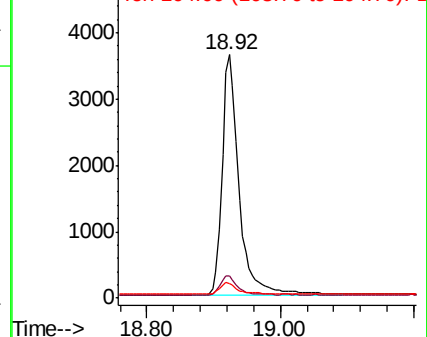
104 4.9 4.2 6.4

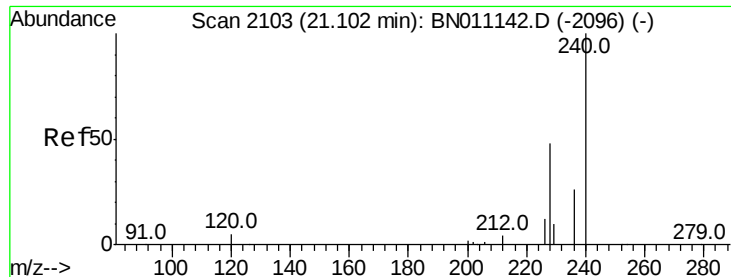


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.10 min Scan# 2082

Delta R.T. 0.01 min

Lab File: BN011163.D

Acq: 14 Jul 2020 17:28

Instrument :

BNA\_N

ClientSampleId :

PB130139BL

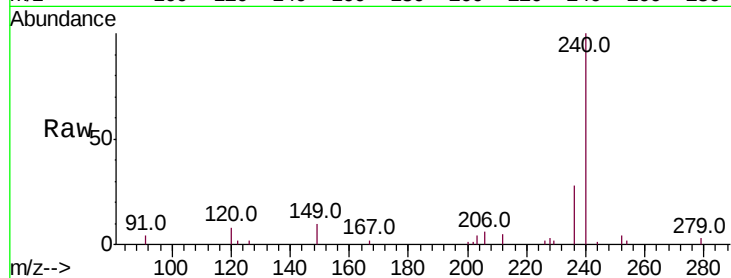
Tot Ion:240 Resp: 6177

Ion Ratio Lower Upper

240 100

120 8.1 6.5 9.7

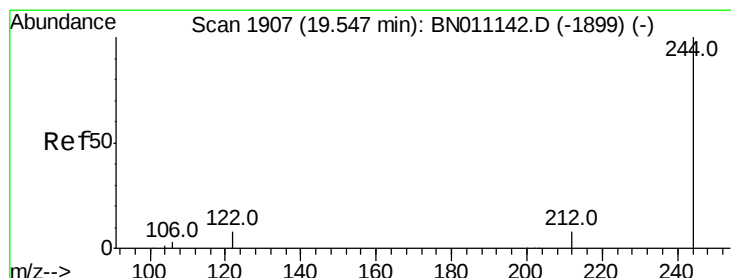
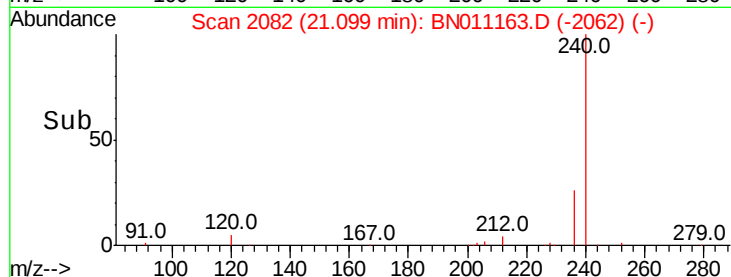
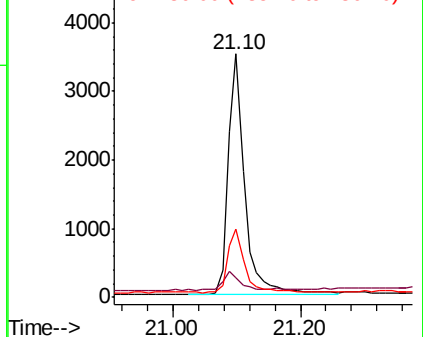
236 28.0 21.9 32.9



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



#31

Terphenyl-d14

Concen: 0.325 ng

RT: 19.54 min Scan# 1885

Delta R.T. 0.00 min

Lab File: BN011163.D

Acq: 14 Jul 2020 17:28

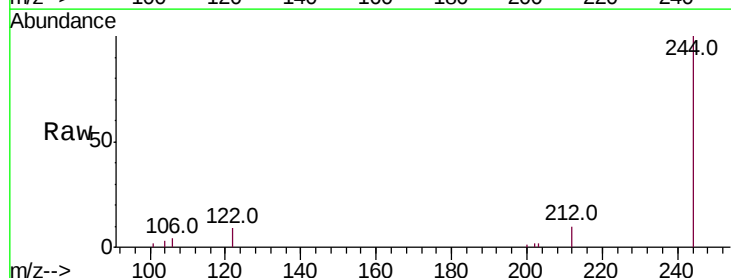
Tgt Ion:244 Resp: 5230

Ion Ratio Lower Upper

244 100

212 10.2 7.8 11.6

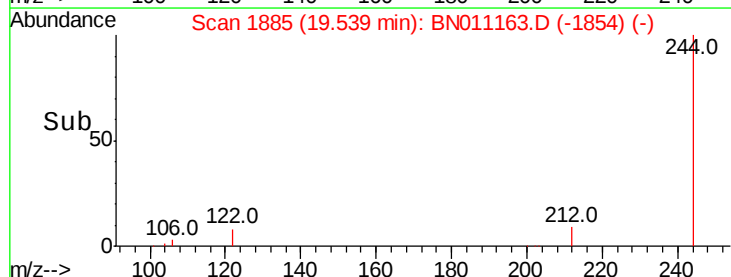
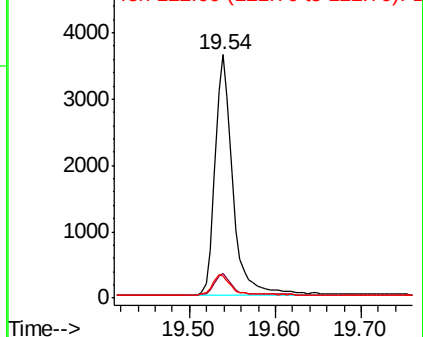
122 9.0 7.4 11.0

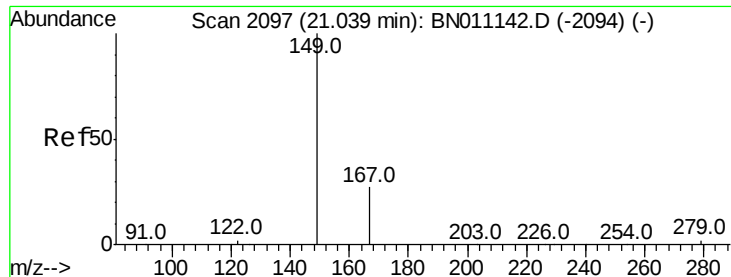


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

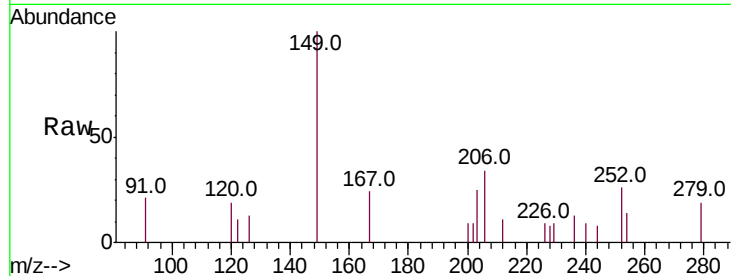




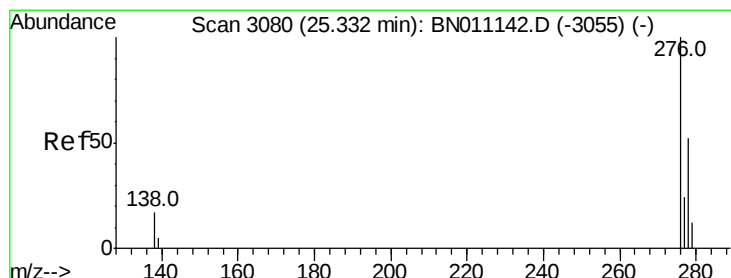
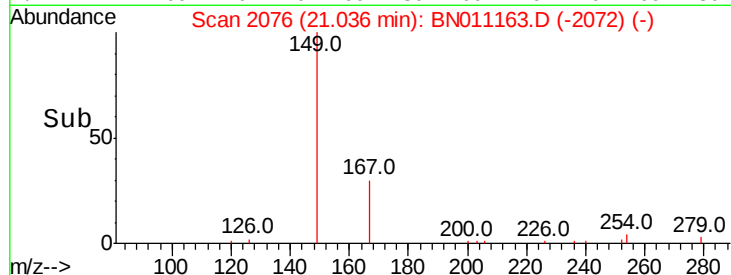
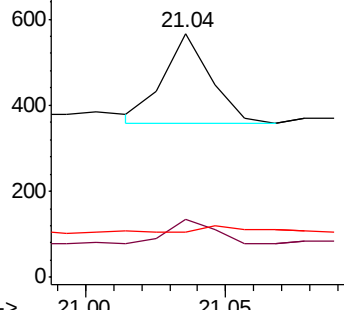
#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.029 ng  
 RT: 21.04 min Scan# 2076  
 Delta R.T. -0.00 min  
 Lab File: BN011163.D  
 Acq: 14 Jul 2020 17:28

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB130139BL

Tot Ion:149 Resp: 240  
 Ion Ratio Lower Upper  
 149 100  
 167 27.1 23.4 35.0  
 279 7.5 4.5 6.7#

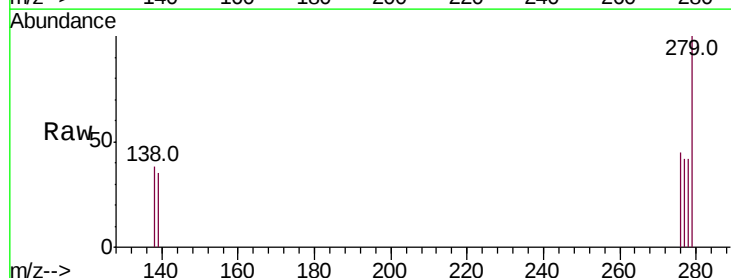


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

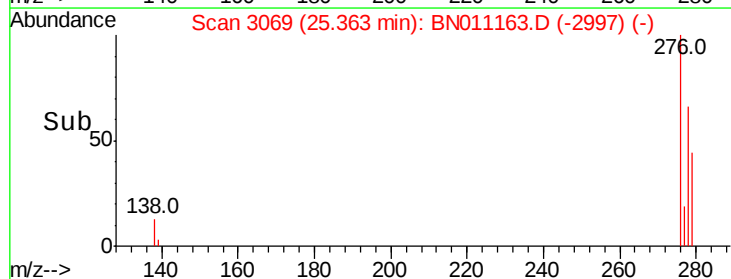
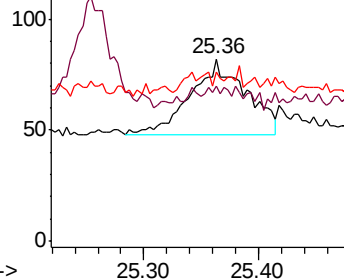


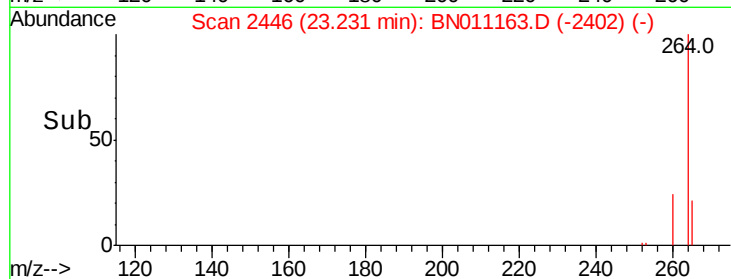
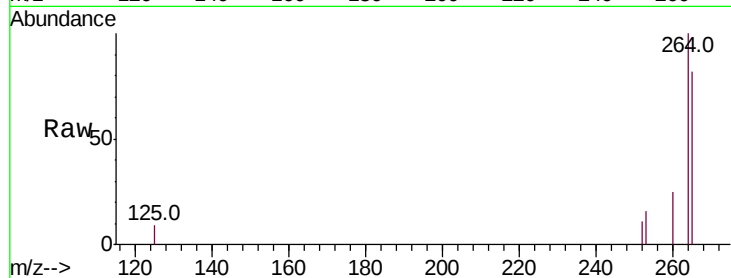
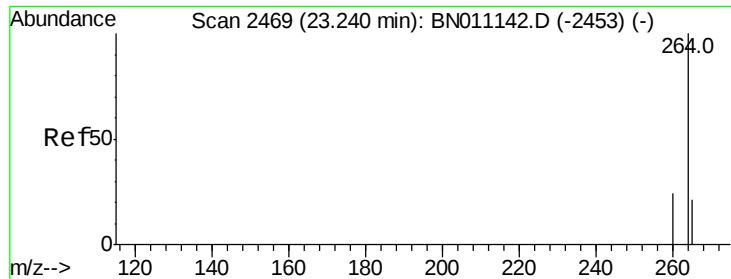
#35  
 Indeno(1,2,3-cd)pyrene  
 Concen: Below Cal  
 RT: 25.36 min Scan# 3069  
 Delta R.T. 0.04 min  
 Lab File: BN011163.D  
 Acq: 14 Jul 2020 17:28

Tgt Ion:276 Resp: 113  
 Ion Ratio Lower Upper  
 276 100  
 138 4.4 13.0 19.6#  
 277 0.0 19.7 29.5#



Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E





#36  
Pervlene-d12  
Concen: 0.400 ng  
RT: 23.23 min Scan# 2446  
Delta R.T. 0.00 min  
Lab File: BN011163.D  
Acq: 14 Jul 2020 17:28

Instrument :  
BNA\_N  
ClientSampleId :  
PB130139BL

Tot Ion: 264 Resp: 6004  
Ion Ratio Lower Upper  
264 100  
260 25.3 20.1 30.1  
265 81.6 76.6 115.0

