

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072320\  
 Data File : BN011225.D  
 Acq On : 22 Jul 2020 19:37  
 Operator : CG/JU  
 Sample : PB130401BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Jul 23 03:56:00 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN071120.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 22 19:29:31 2020  
 Response via : Initial Calibration

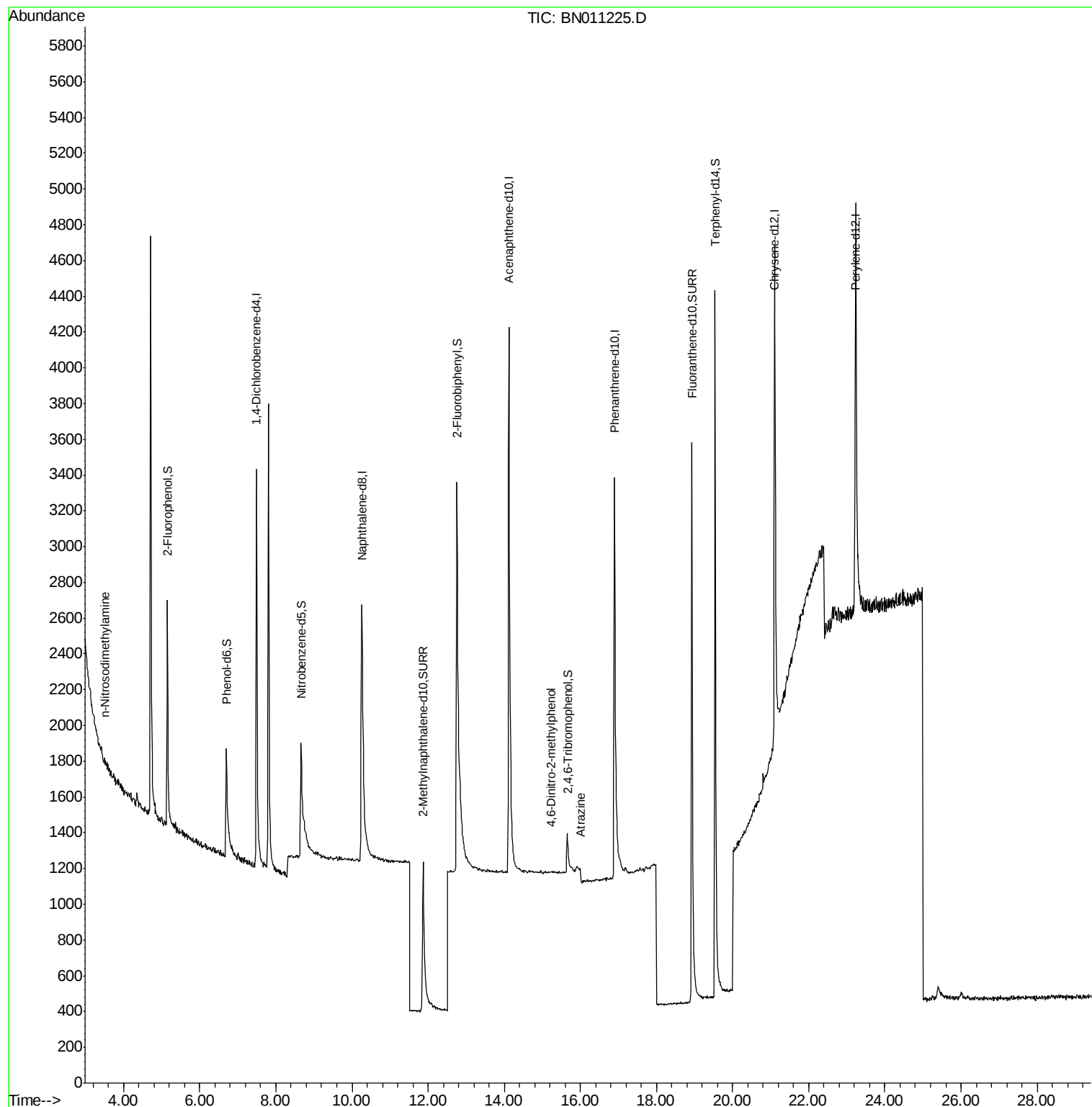
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.49  | 152  | 1436     | 0.40      | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.26 | 136  | 4702     | 0.40      | ng    | 0.03     |
| 13) Acenaphthene-d10           | 14.13 | 164  | 2968     | 0.40      | ng    | 0.01     |
| 19) Phenanthrene-d10           | 16.90 | 188  | 6452     | 0.40      | ng    | 0.02     |
| 29) Chrysene-d12               | 21.10 | 240  | 4617     | 0.40      | ng    | 0.00     |
| 36) Perylene-d12               | 23.23 | 264  | 4354     | 0.40      | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 4) 2-Fluorophenol              | 5.15  | 112  | 1354     | 0.38      | ng    | 0.00     |
| 5) Phenol-d6                   | 6.70  | 99   | 1296     | 0.32      | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.67  | 82   | 1493     | 0.36      | ng    | 0.04     |
| 11) 2-Methylnaphthalene-d10    | 11.87 | 152  | 2556     | 0.34      | ng    | 0.03     |
| 14) 2,4,6-Tribromophenol       | 15.66 | 330  | 356      | 0.27      | ng    | 0.04     |
| 15) 2-Fluorobiphenyl           | 12.76 | 172  | 4344     | 0.31      | ng    | 0.03     |
| 27) Fluoranthene-d10           | 18.93 | 212  | 6247     | 0.31      | ng    | 0.00     |
| 31) Terphenyl-d14              | 19.54 | 244  | 6193     | 0.52      | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 3) n-Nitrosodimethylamine      | 3.51  | 42   | 21       | 0.020     | ng    | # 1      |
| 20) 4,6-Dinitro-2-methylphenol | 15.23 | 198  | 2        | 0.135     | ng    | # 13     |
| 23) Atrazine                   | 16.02 | 200  | 101      | 0.033     | ng    | # 12     |
| 35) Indeno(1,2,3-cd)pyrene     | 25.39 | 276  | 41       | Below Cal |       | # 64     |

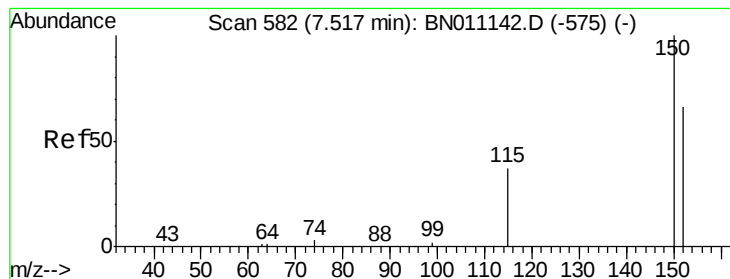
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :

Quant Time: Jul 23 03:56:00 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN071120.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 22 19:29:31 2020  
Response via : Initial Calibration



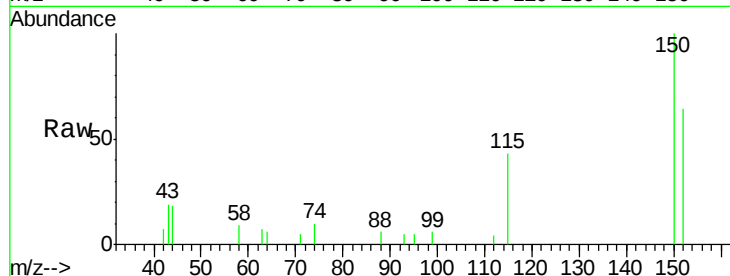


#1

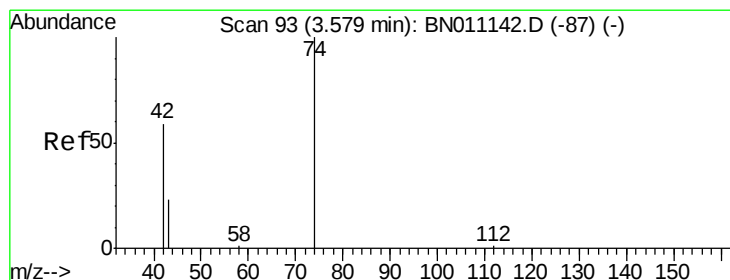
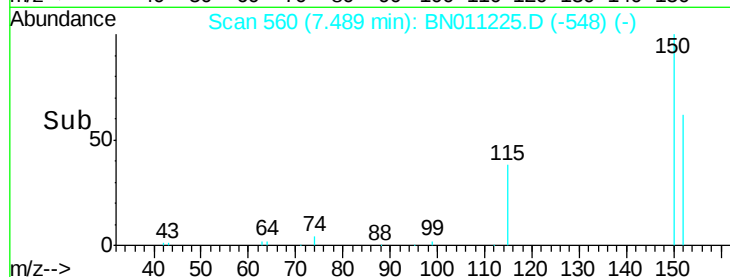
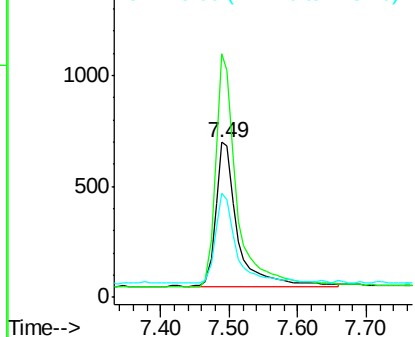
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.49 min Scan# 560  
Delta R.T. -0.00 min  
Lab File: BN011225.D  
Acq: 22 Jul 2020 19:37

Instrument :  
BNA\_N  
ClientSampled :

Tot Ion:152 Resp: 1436  
Ion Ratio Lower Upper  
152 100  
150 157.1 119.4 179.0  
115 67.0 48.3 72.5



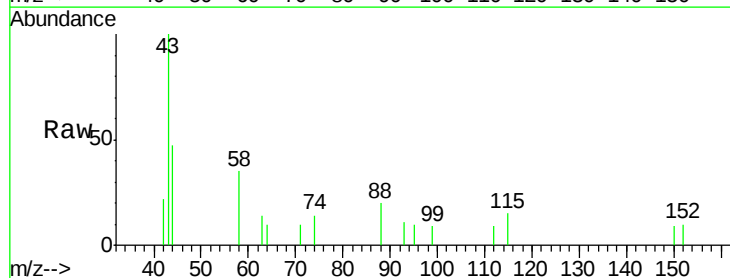
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



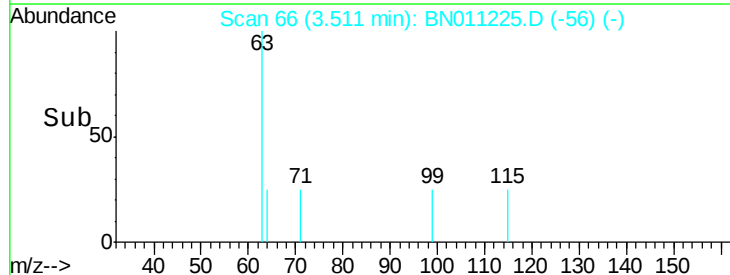
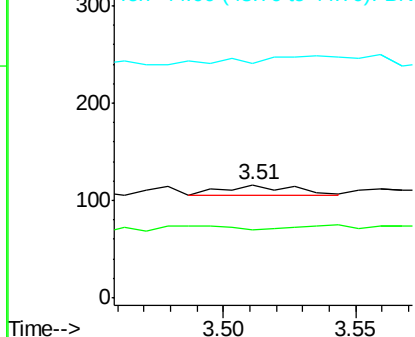
#3

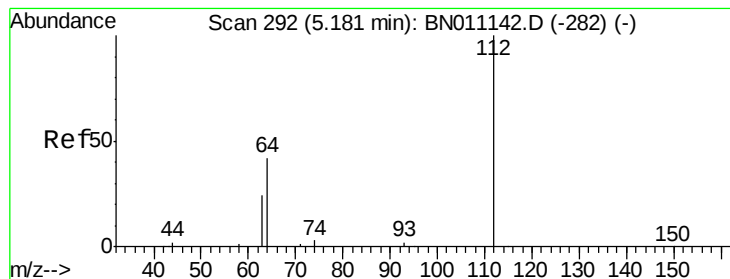
n-Nitrosodimethylamine  
Concen: 0.020 ng  
RT: 3.51 min Scan# 66  
Delta R.T. -0.02 min  
Lab File: BN011225.D  
Acq: 22 Jul 2020 19:37

Tgt Ion: 42 Resp: 21  
Ion Ratio Lower Upper  
42 100  
74 0.0 140.9 211.3#  
44 0.0 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: 0.382 ng

RT: 5.15 min Scan# 270

Delta R.T. 0.01 min

Lab File: BN011225.D

Acq: 22 Jul 2020 19:37

Instrument :

BNA\_N

ClientSampleId :

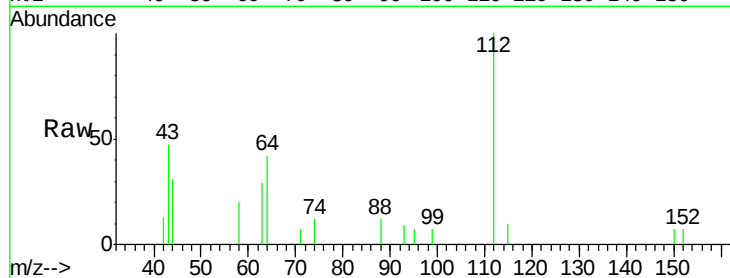
Tot Ion: 112 Resp: 1354

Ion Ratio Lower Upper

112 100

64 46.3 36.7 55.1

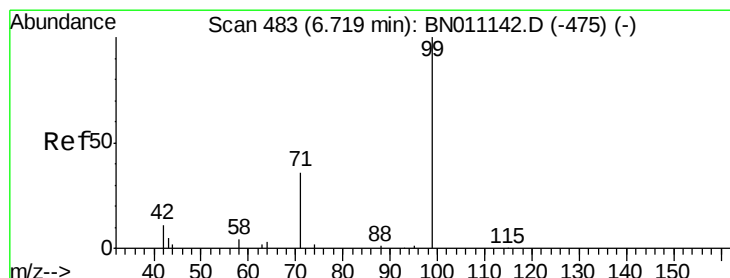
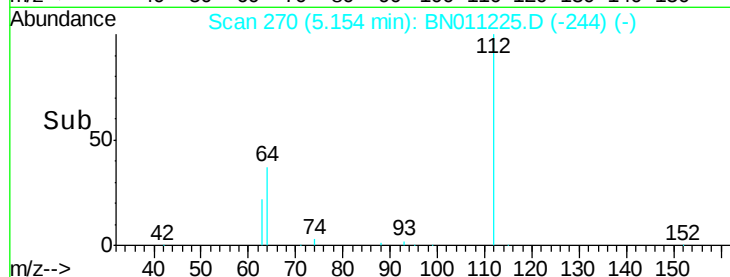
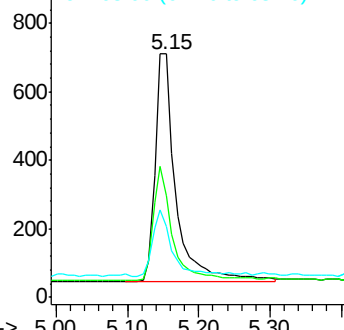
63 28.4 20.4 30.6



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#5

Phenol-d6

Concen: 0.324 ng

RT: 6.70 min Scan# 462

Delta R.T. 0.01 min

Lab File: BN011225.D

Acq: 22 Jul 2020 19:37

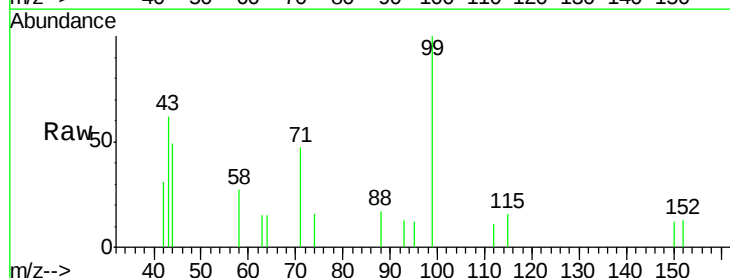
Tgt Ion: 99 Resp: 1296

Ion Ratio Lower Upper

99 100

42 11.2 10.8 16.2

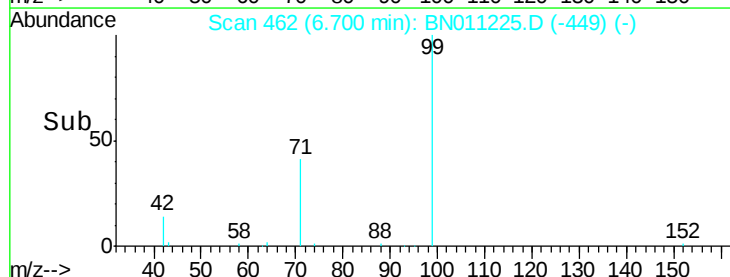
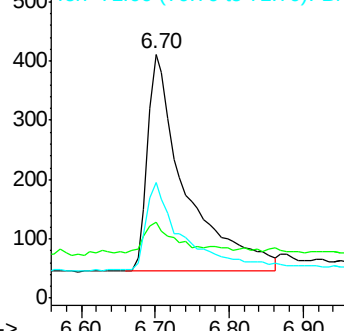
71 39.8 31.3 46.9

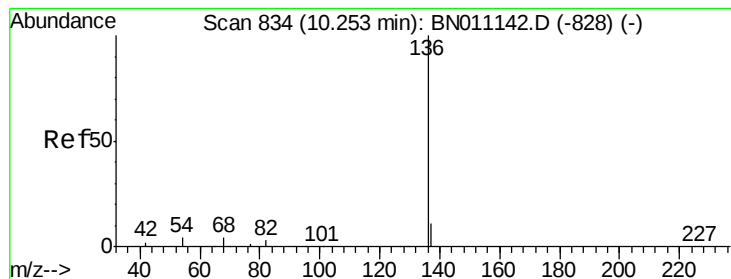


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.26 min Scan# 816

Delta R.T. 0.03 min

Lab File: BN011225.D

Acq: 22 Jul 2020 19:37

Instrument :

BNA\_N

ClientSampleId :

Tot Ion:136 Resp: 4702

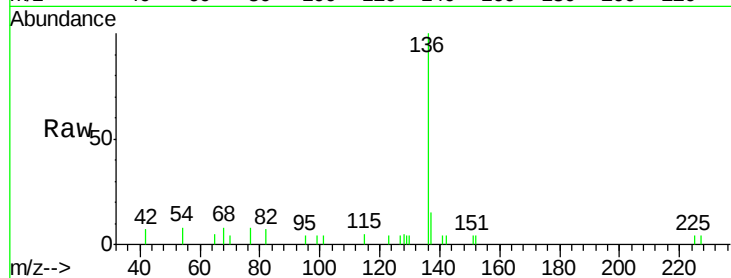
Ion Ratio Lower Upper

136 100

137 14.5 10.3 15.5

54 8.0 4.9 7.3#

68 7.6 4.9 7.3#

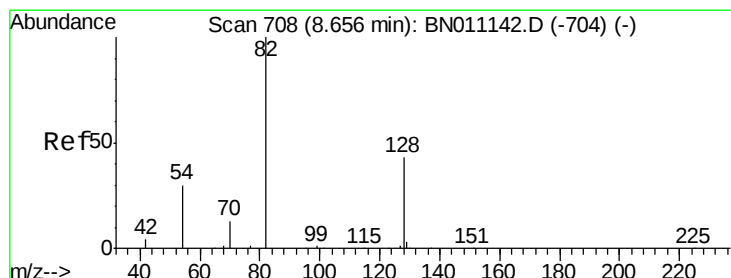
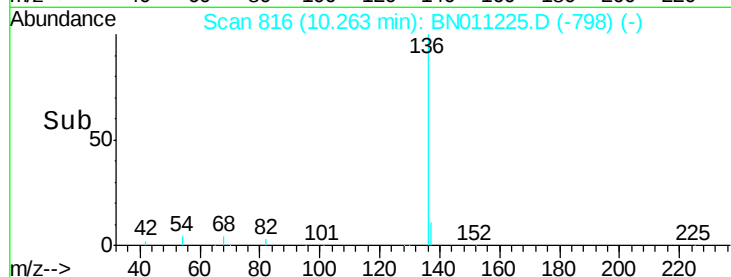
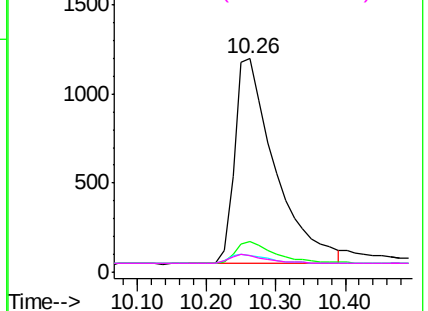


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.358 ng

RT: 8.67 min Scan# 690

Delta R.T. 0.04 min

Lab File: BN011225.D

Acq: 22 Jul 2020 19:37

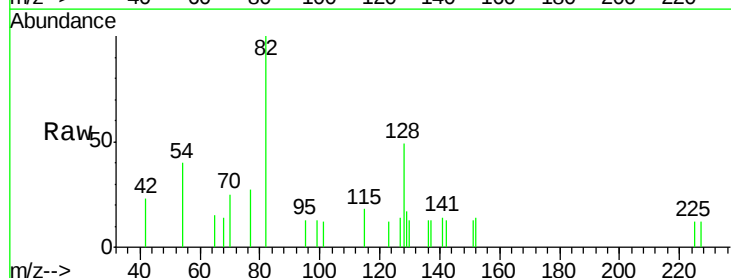
Tgt Ion: 82 Resp: 1493

Ion Ratio Lower Upper

82 100

128 48.8 38.1 57.1

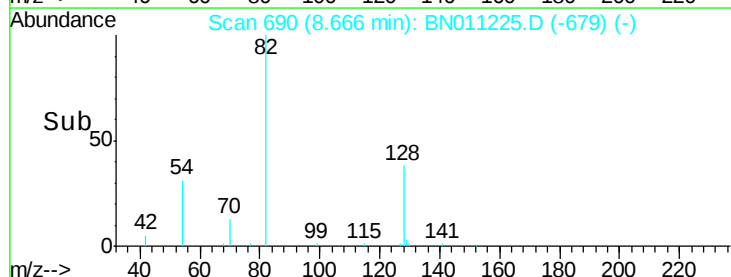
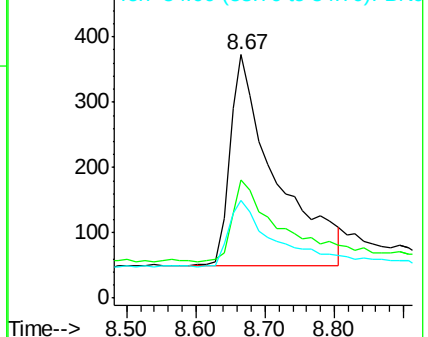
54 40.2 27.1 40.7

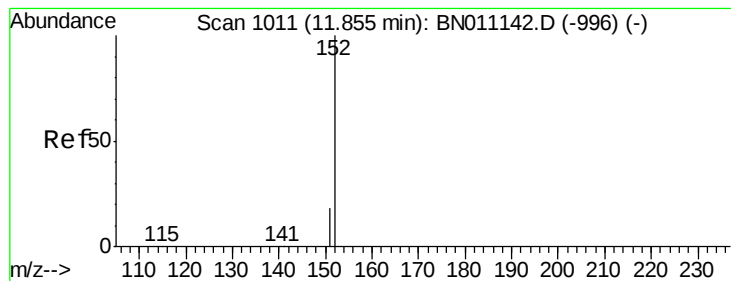


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

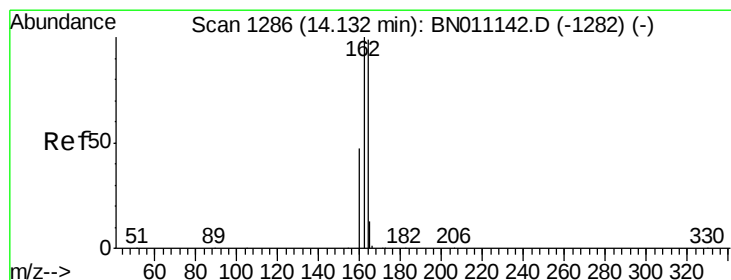
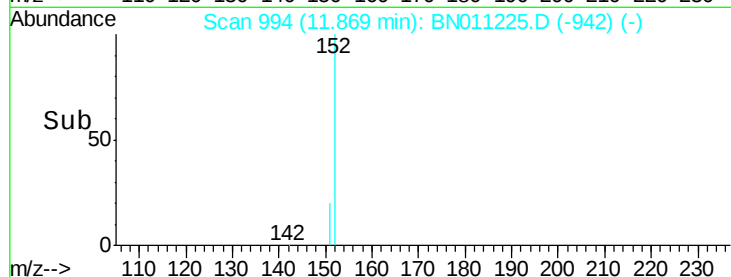
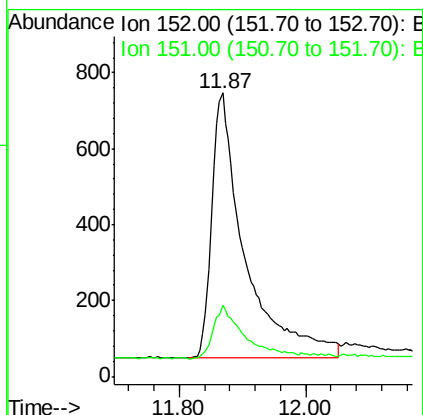
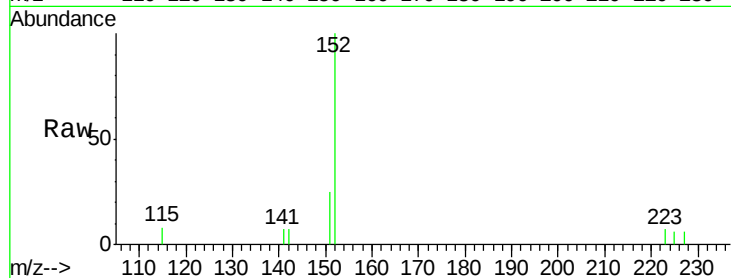




#11  
2-Methylnaphthalene-d10  
Concen: 0.335 ng  
RT: 11.87 min Scan# 994  
Delta R.T. 0.03 min  
Lab File: BN011225.D  
Acq: 22 Jul 2020 19:37

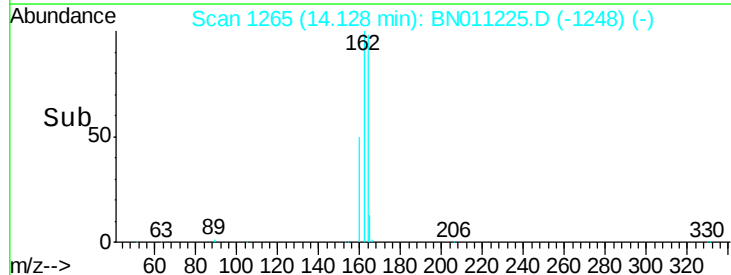
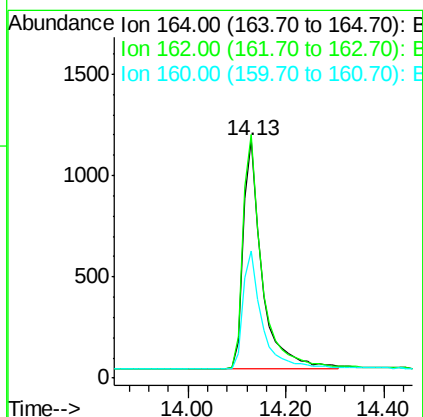
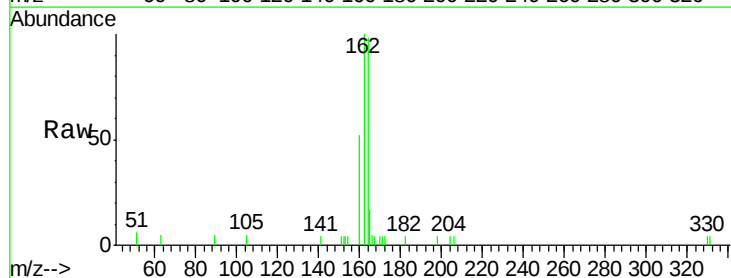
Instrument :  
BNA\_N  
ClientSampleId :

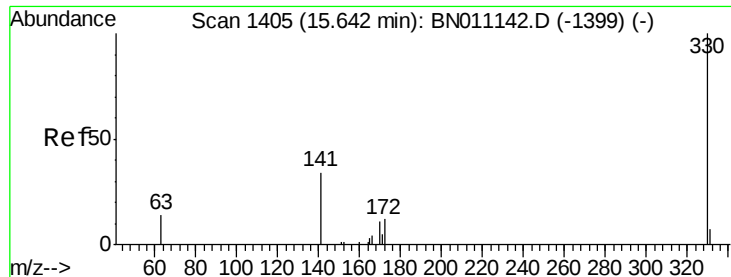
Tot Ion:152 Resp: 2556  
Ion Ratio Lower Upper  
152 100  
151 18.7 16.5 24.7



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.13 min Scan# 1265  
Delta R.T. 0.01 min  
Lab File: BN011225.D  
Acq: 22 Jul 2020 19:37

Tgt Ion:164 Resp: 2968  
Ion Ratio Lower Upper  
164 100  
162 102.3 81.0 121.4  
160 53.2 39.0 58.6

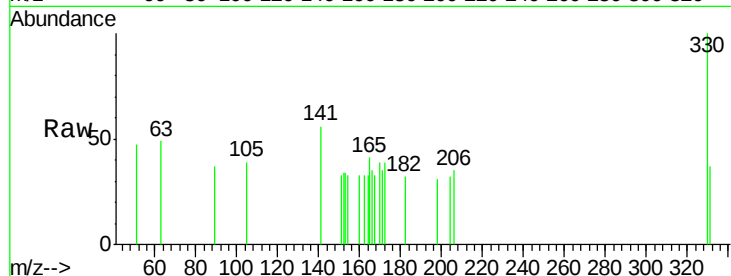




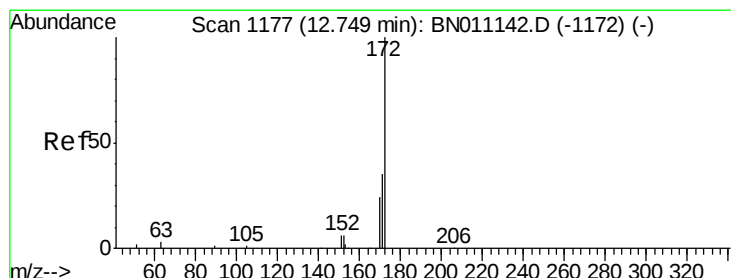
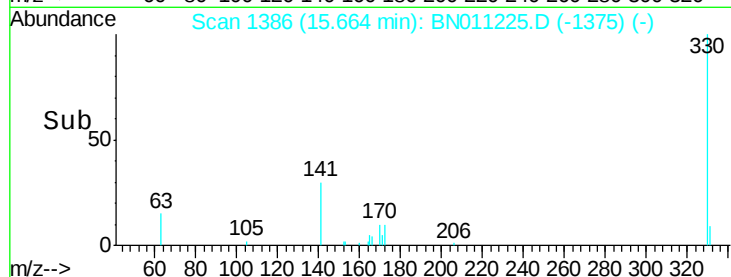
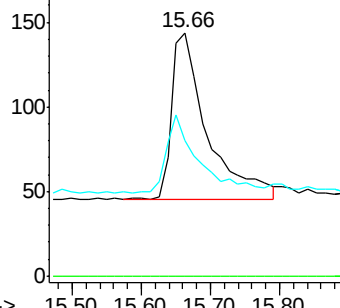
#14  
2,4,6-Tribromophenol  
Concen: 0.270 ng  
RT: 15.66 min Scan# 1386  
Delta R.T. 0.04 min  
Lab File: BN011225.D  
Acq: 22 Jul 2020 19:37

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:330 Resp: 356  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 43.0 31.5 47.3

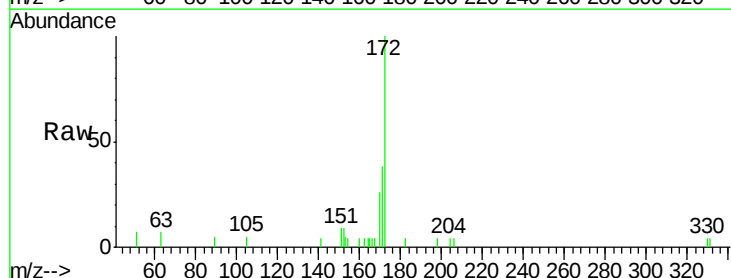


Abundance Ion 330.00 (329.70 to 330.70): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

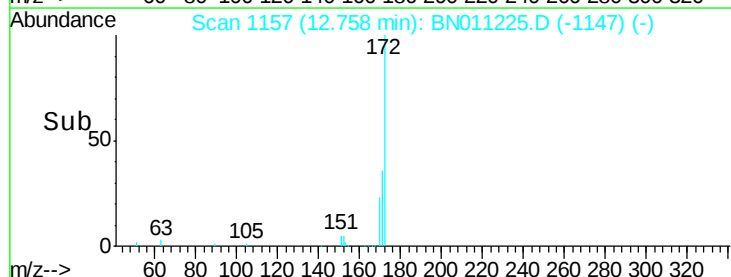
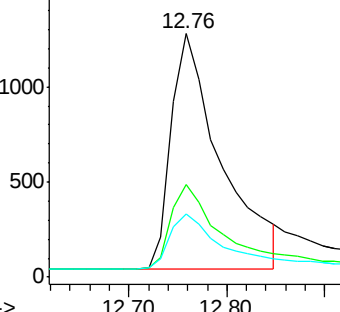


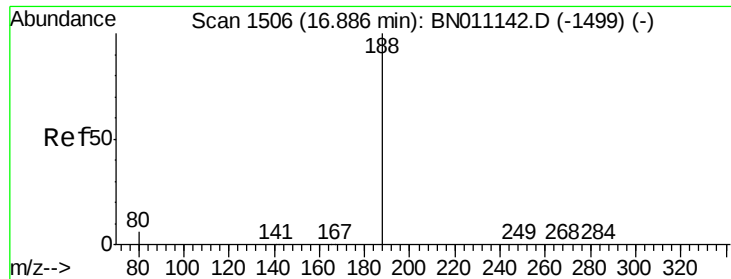
#15  
2-Fluorobiphenyl  
Concen: 0.312 ng  
RT: 12.76 min Scan# 1157  
Delta R.T. 0.03 min  
Lab File: BN011225.D  
Acq: 22 Jul 2020 19:37

Tgt Ion:172 Resp: 4344  
Ion Ratio Lower Upper  
172 100  
171 37.9 29.0 43.6  
170 26.0 20.3 30.5



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: 16.90 min Scan# 1486

Delta R.T. 0.02 min

Lab File: BN011225.D

Acq: 22 Jul 2020 19:37

Instrument :

BNA\_N

ClientSampled :

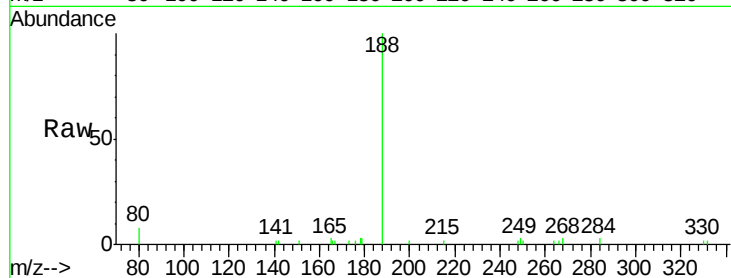
Tot Ion:188 Resp: 6452

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

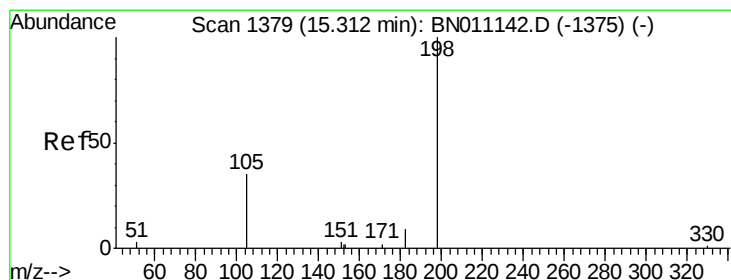
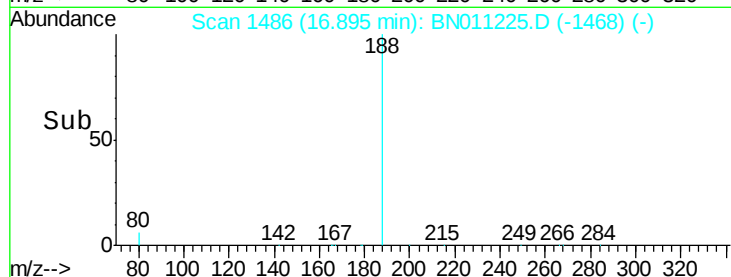
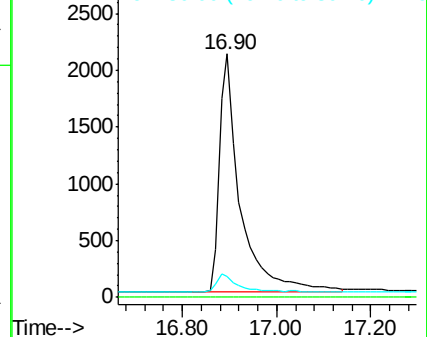
80 8.4 6.3 9.5



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



#20

4,6-Dinitro-2-methylphenol

Concen: 0.135 ng

RT: 15.23 min Scan# 1352

Delta R.T. -0.06 min

Lab File: BN011225.D

Acq: 22 Jul 2020 19:37

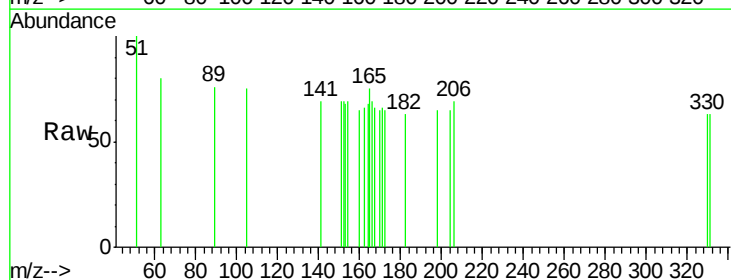
Tgt Ion:198 Resp: 2

Ion Ratio Lower Upper

198 100

51 154.3 53.1 79.7#

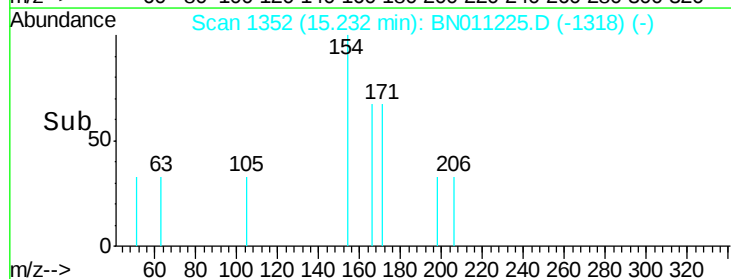
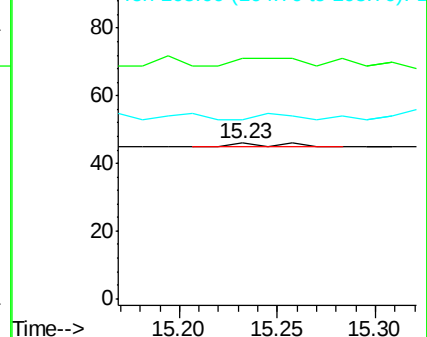
105 115.2 51.9 77.9#

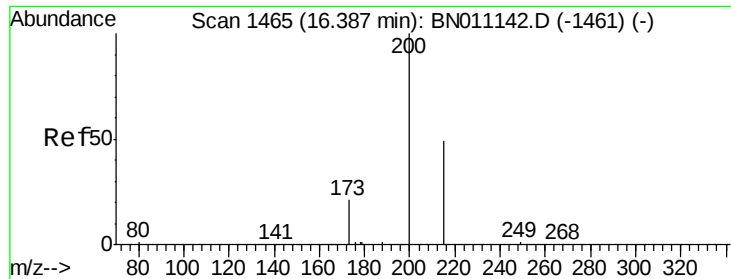


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E

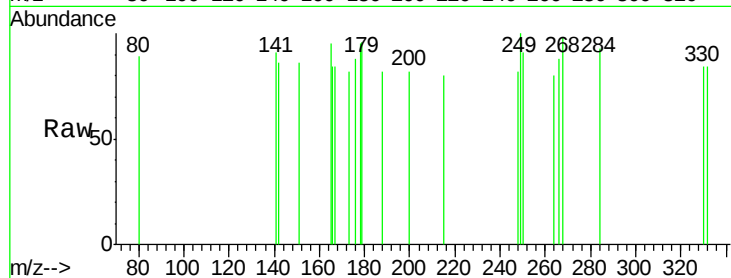




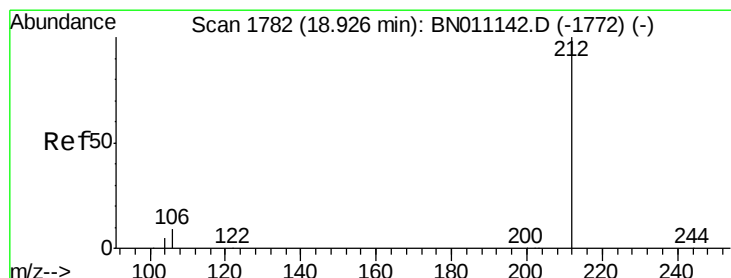
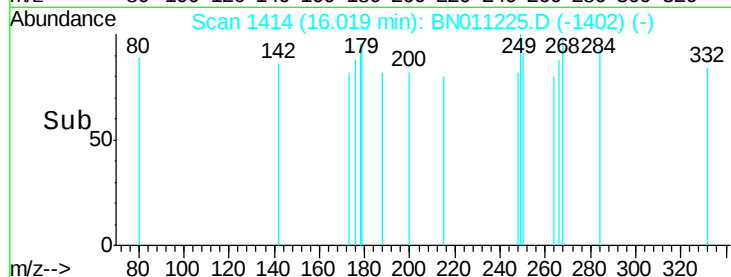
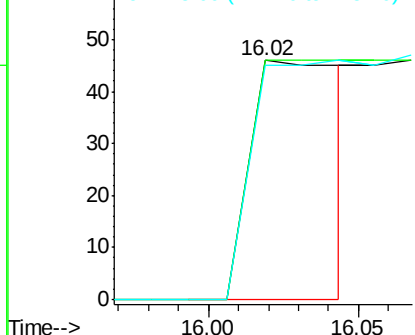
#23  
Atrazine  
Concen: 0.033 ng  
RT: 16.02 min Scan# 1414  
Delta R.T. -0.35 min  
Lab File: BN011225.D  
Acq: 22 Jul 2020 19:37

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:200 Resp: 101  
Ion Ratio Lower Upper  
200 100  
173 100.0 23.0 34.4#  
215 97.8 42.6 63.8#

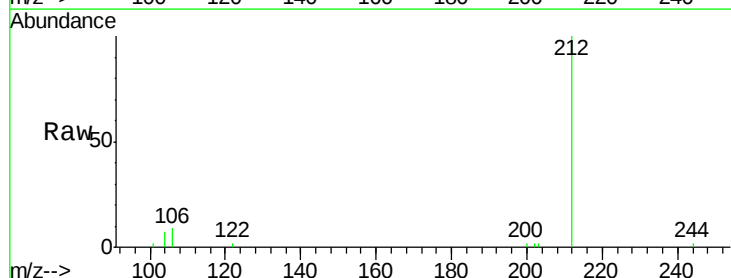


Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

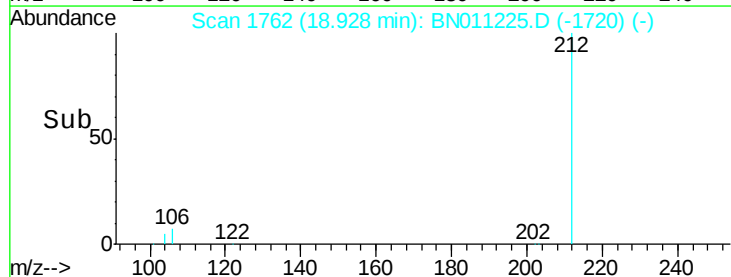
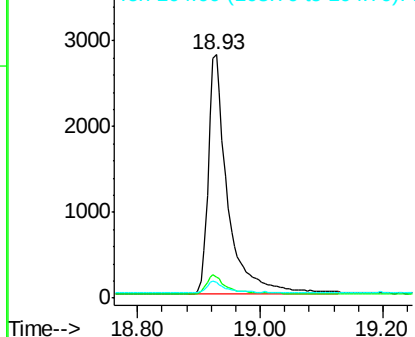


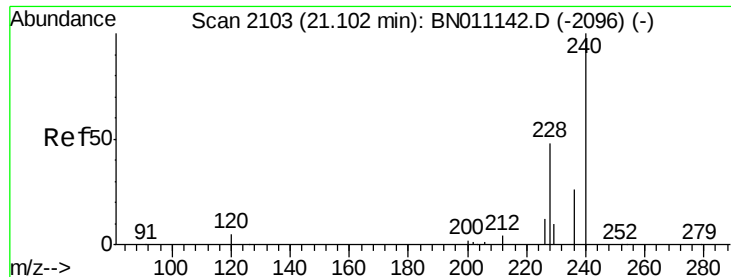
#27  
Fluoranthene-d10  
Concen: 0.307 ng  
RT: 18.93 min Scan# 1762  
Delta R.T. 0.01 min  
Lab File: BN011225.D  
Acq: 22 Jul 2020 19:37

Tgt Ion:212 Resp: 6247  
Ion Ratio Lower Upper  
212 100  
106 8.1 7.0 10.6  
104 4.6 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

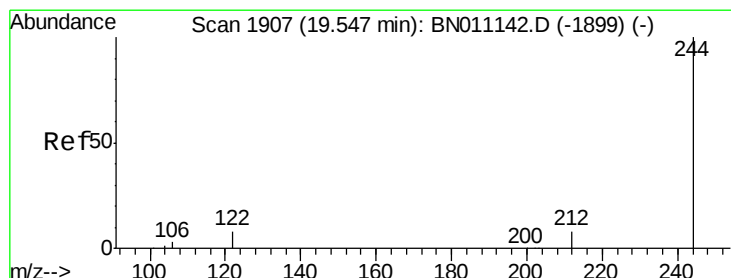
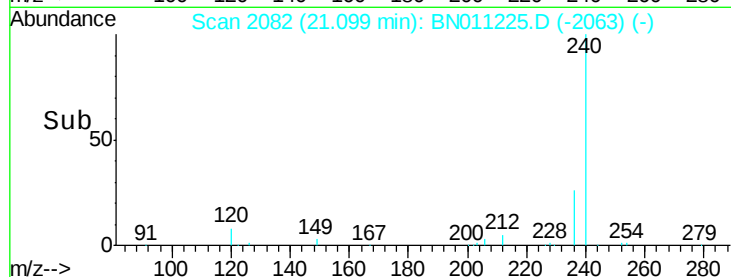
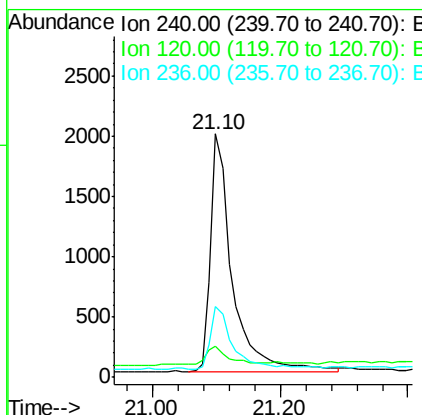
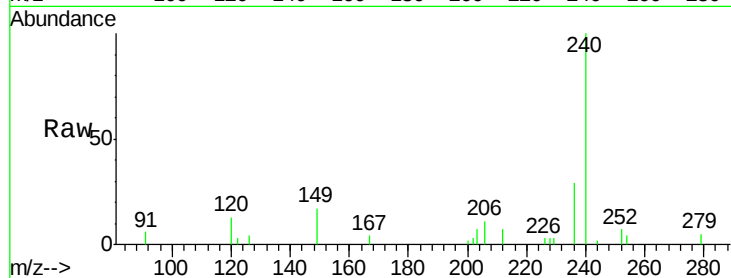




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.10 min Scan# 2082  
Delta R.T. 0.00 min  
Lab File: BN011225.D  
Acq: 22 Jul 2020 19:37

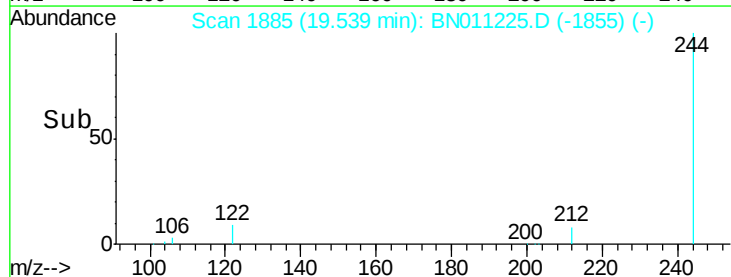
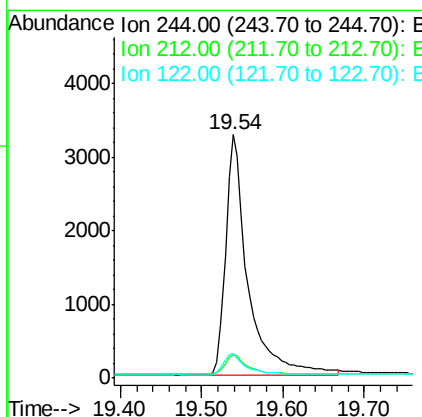
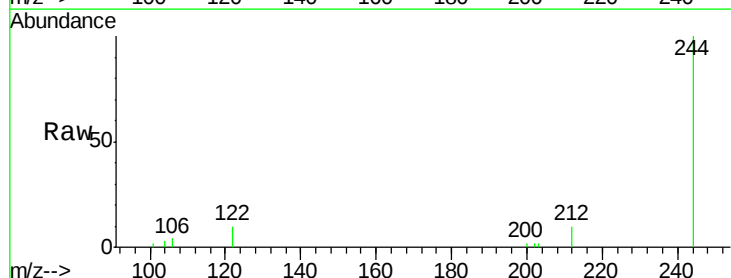
Instrument :  
BNA\_N  
ClientSampled :

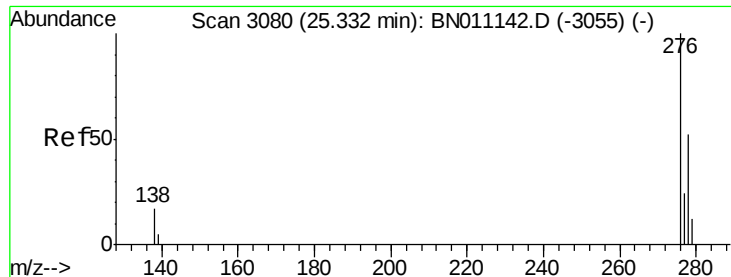
Tot Ion:240 Resp: 4617  
Ion Ratio Lower Upper  
240 100  
120 12.6 6.5 9.7#  
236 29.2 21.9 32.9



#31  
Terphenyl-d14  
Concen: 0.515 ng  
RT: 19.54 min Scan# 1885  
Delta R.T. 0.00 min  
Lab File: BN011225.D  
Acq: 22 Jul 2020 19:37

Tgt Ion:244 Resp: 6193  
Ion Ratio Lower Upper  
244 100  
212 9.6 7.8 11.6  
122 9.9 7.4 11.0





#35

Indeno(1,2,3-cd)pyrene

Concen: Below Cal

RT: 25.39 min Scan# 3077

Delta R.T. 0.07 min

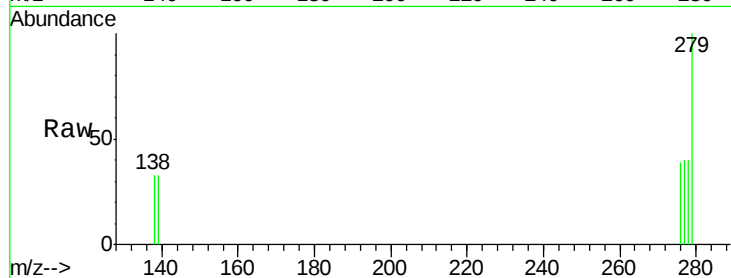
Lab File: BN011225.D

Acq: 22 Jul 2020 19:37

Instrument :

BNA\_N

ClientSampleId :



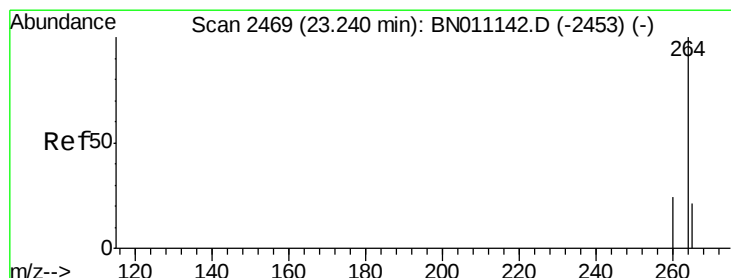
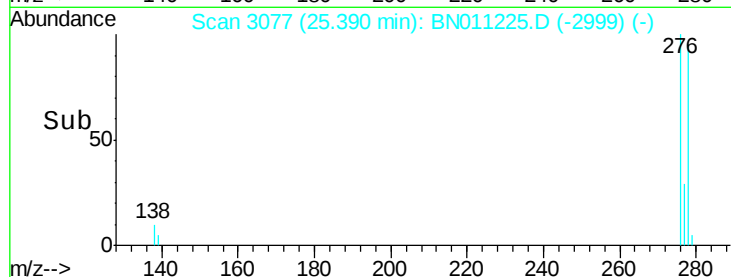
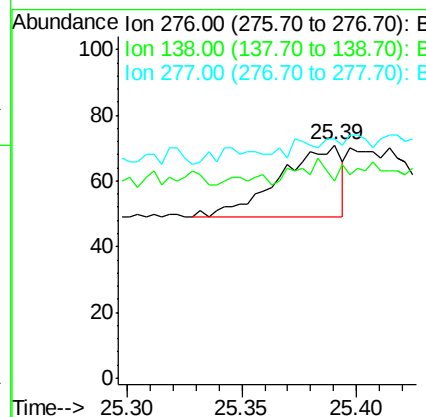
Tot Ion:276 Resp: 41

Ion Ratio Lower Upper

276 100

138 0.0 13.0 19.6#

277 7.3 19.7 29.5#



#36

Perylene-d12

Concen: 0.400 ng

RT: 23.23 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BN011225.D

Acq: 22 Jul 2020 19:37

Tgt Ion:264 Resp: 4354

Ion Ratio Lower Upper

264 100

260 26.6 20.1 30.1

265 116.7 76.6 115.0#

