

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN111318\  
 Data File : BN003518.D  
 Acq On : 13 Nov 2018 18:56  
 Operator : MJ/SJ  
 Sample : J5916-17  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 110918-JETT-F-D-B

Quant Time: Nov 14 01:10:56 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-BN111218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 12 15:59:25 2018  
 Response via : Initial Calibration

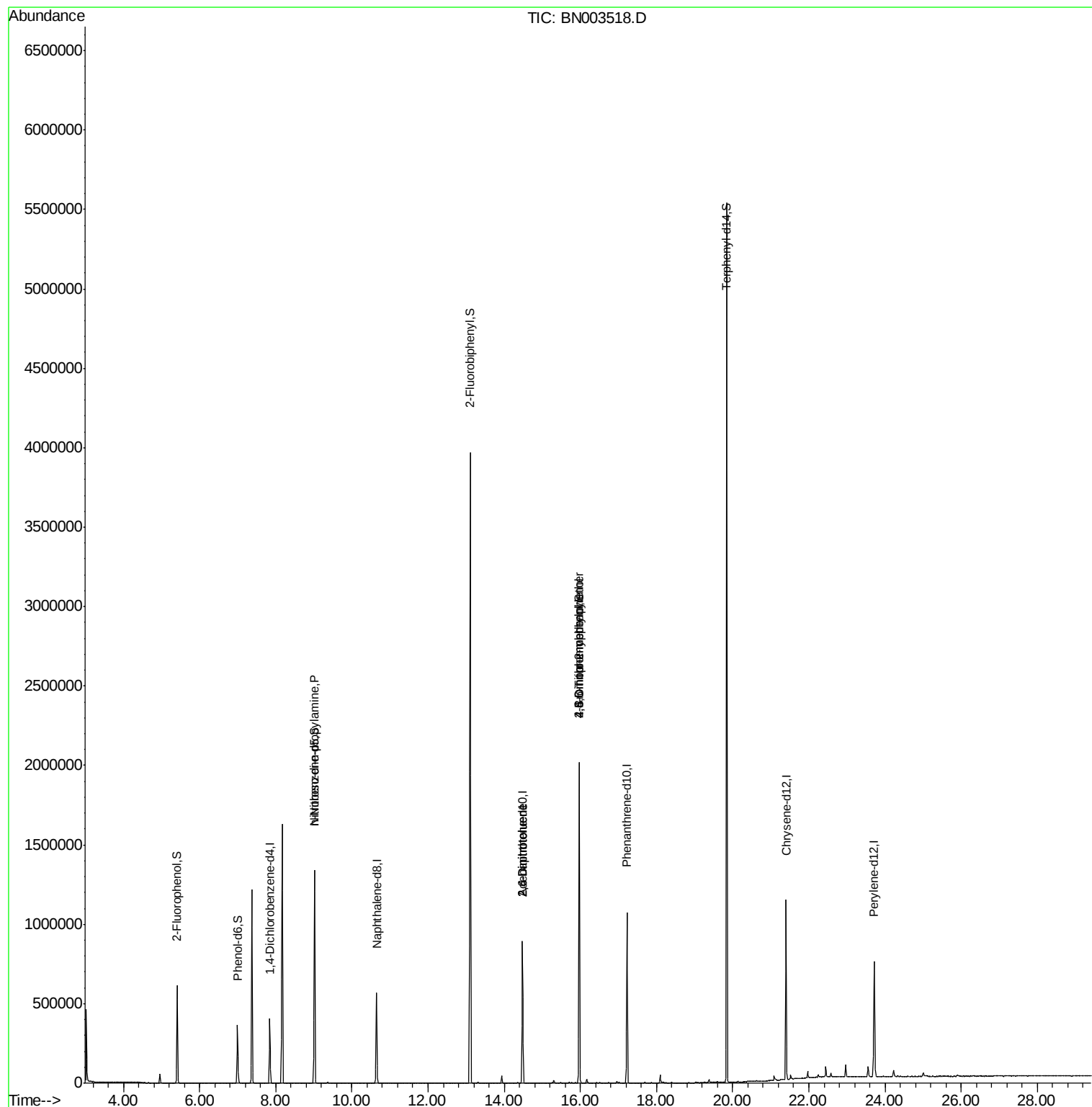
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.85  | 152  | 111971   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.65 | 136  | 499728   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.48 | 164  | 296517   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.22 | 188  | 650735   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.40 | 240  | 536227   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 23.72 | 264  | 529560   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.41  | 112  | 269583   | 43.42  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.00  | 99   | 216170   | 25.11  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.02  | 82   | 779603   | 98.20  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 15.97 | 330  | 430696   | 97.44  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.10 | 172  | 2098688  | 94.47  | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.85 | 244  | 2600740  | 95.48  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.02  | 70   | 99240    | 17.120 | ng    | # 76     |
| 51) 2,6-Dinitrotoluene         | 14.48 | 165  | 38455    | 7.092  | ng    | # 33     |
| 57) 2,4-Dinitrotoluene         | 14.48 | 165  | 38455    | 5.247  | ng    | # 34     |
| 65) 4,6-Dinitro-2-methylphenol | 15.97 | 198  | 746      | 5.086  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether  | 15.97 | 248  | 27929    | 3.403  | ng    | # 1      |

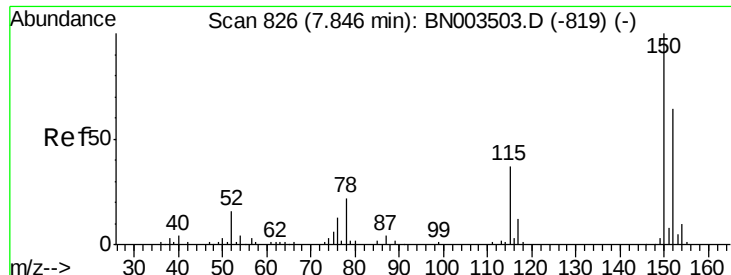
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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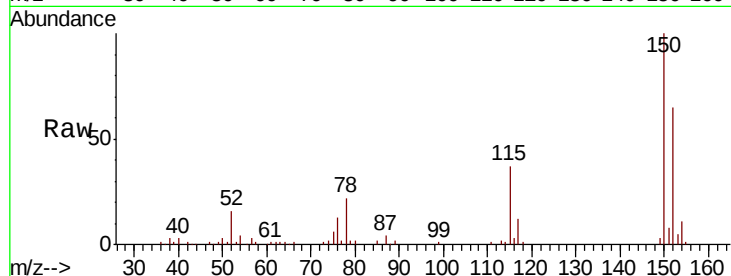


#1

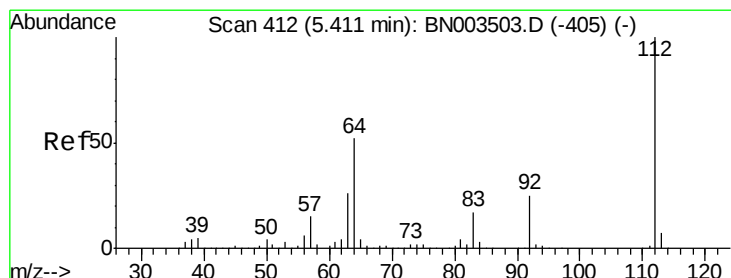
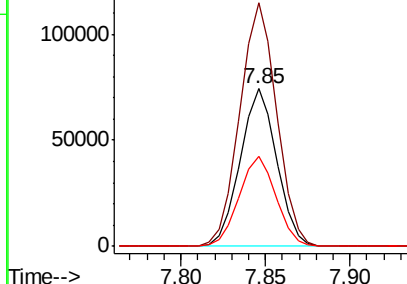
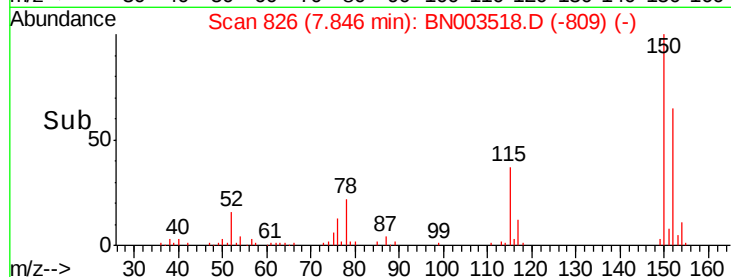
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.85 min Scan# 826  
Delta R.T. 0.00 min  
Lab File: BN003518.D  
Acq: 13 Nov 2018 18:56

Instrument :  
BNA\_N  
ClientSampleId :  
110918-JETT-F-D-B

Tgt Ion:152 Resp: 111971  
Ion Ratio Lower Upper  
152 100  
150 154.9 125.4 188.0  
115 57.1 45.9 68.9



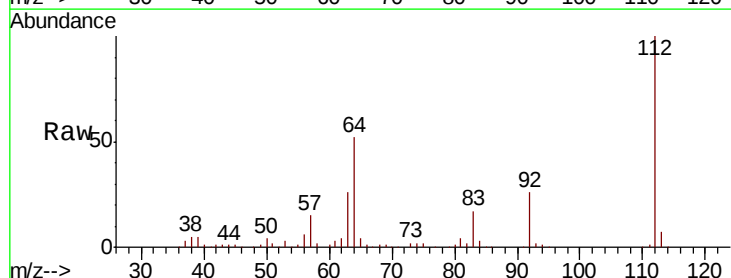
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



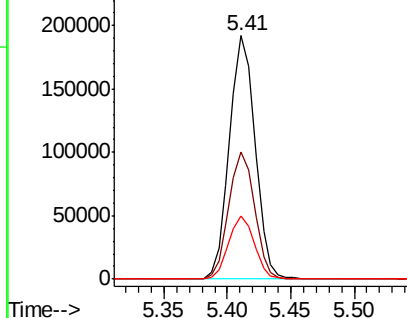
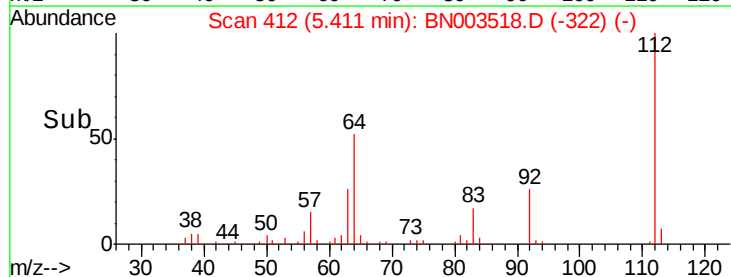
#5

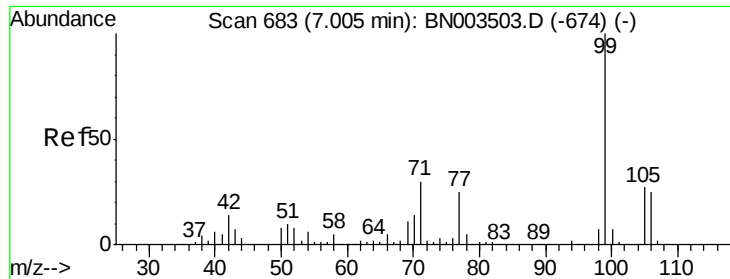
2-Fluorophenol  
Concen: 43.423 ng  
RT: 5.41 min Scan# 412  
Delta R.T. 0.00 min  
Lab File: BN003518.D  
Acq: 13 Nov 2018 18:56

Tgt Ion:112 Resp: 269583  
Ion Ratio Lower Upper  
112 100  
64 52.5 41.4 62.2  
63 25.7 20.5 30.7



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





#7

Phenol-d6

Concen: 25.107 ng

RT: 7.00 min Scan# 682

Delta R.T. -0.01 min

Lab File: BN003518.D

Acq: 13 Nov 2018 18:56

Instrument :

BNA\_N

ClientSampleId :

110918-JETT-F-D-B

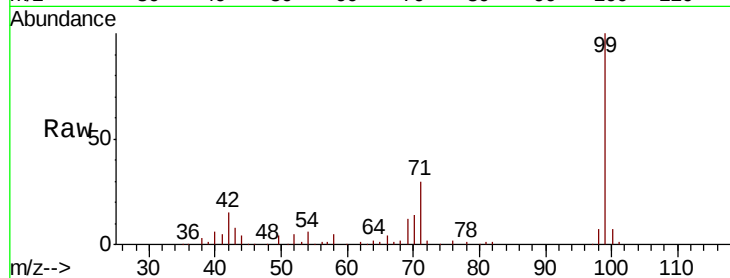
Tgt Ion: 99 Resp: 216170

Ion Ratio Lower Upper

99 100

42 14.6 11.6 17.4

71 30.4 24.2 36.2

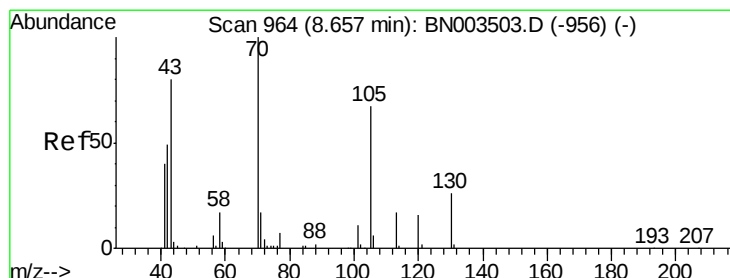
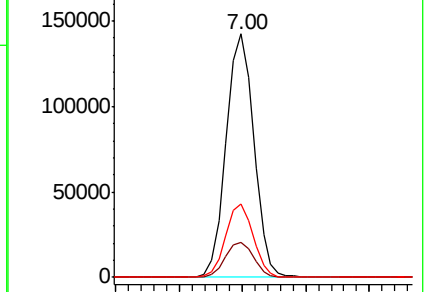
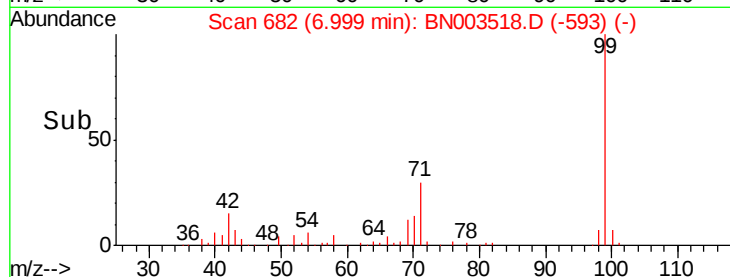


Abundance Ion 99.00 (98.70 to 99.70): BN003503.D (-674) (-)

Ion 42.00 (41.70 to 42.70): BN003503.D (-674) (-)

Ion 71.00 (70.70 to 71.70): BN003503.D (-674) (-)

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 17.120 ng

RT: 9.02 min Scan# 1025

Delta R.T. 0.36 min

Lab File: BN003518.D

Acq: 13 Nov 2018 18:56

Tgt Ion: 70 Resp: 99240

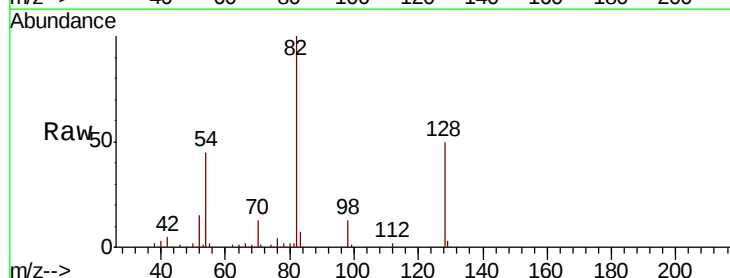
Ion Ratio Lower Upper

70 100

42 42.0 39.7 59.5

101 0.0 8.8 13.2#

130 2.5 20.8 31.2#



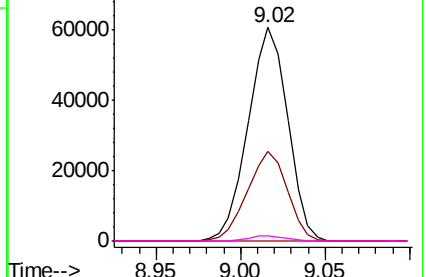
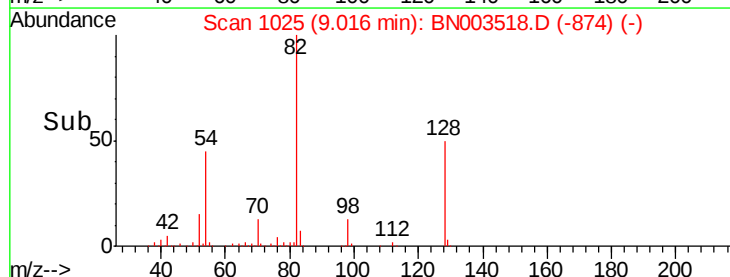
Abundance Ion 70.00 (69.70 to 70.70): BN003503.D (-956) (-)

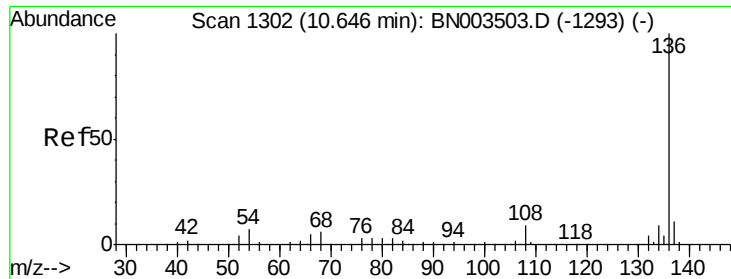
Ion 42.00 (41.70 to 42.70): BN003503.D (-956) (-)

Ion 101.00 (100.70 to 101.70): BN003503.D (-956) (-)

Ion 130.00 (129.70 to 130.70): BN003503.D (-956) (-)

Time-->

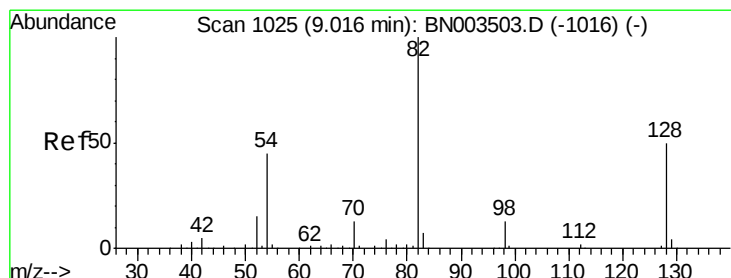
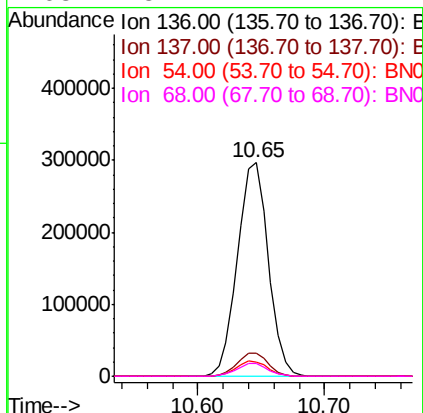
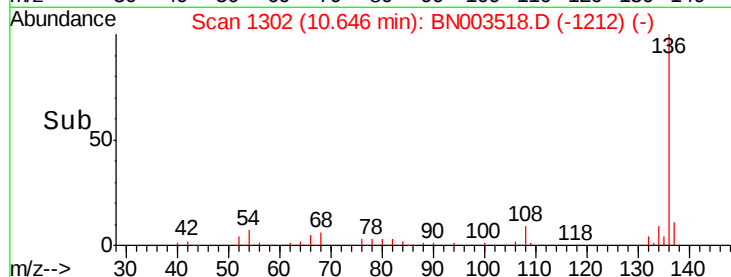
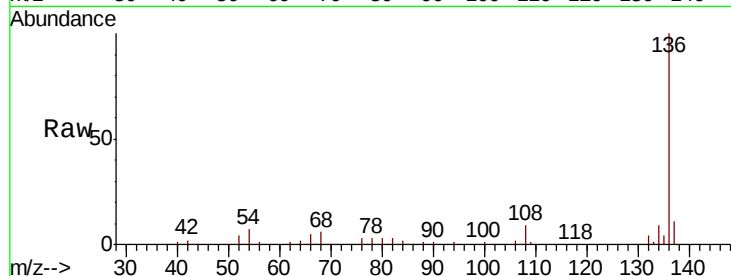




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.65 min Scan# 1302  
Delta R.T. 0.00 min  
Lab File: BN003518.D  
Acq: 13 Nov 2018 18:56

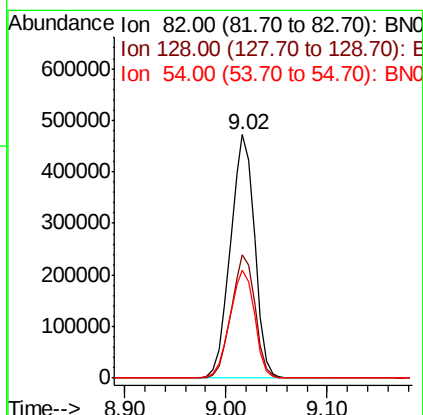
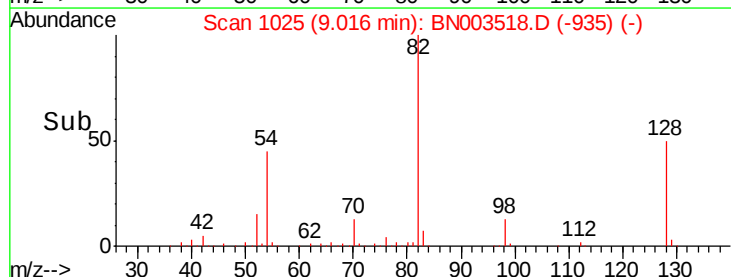
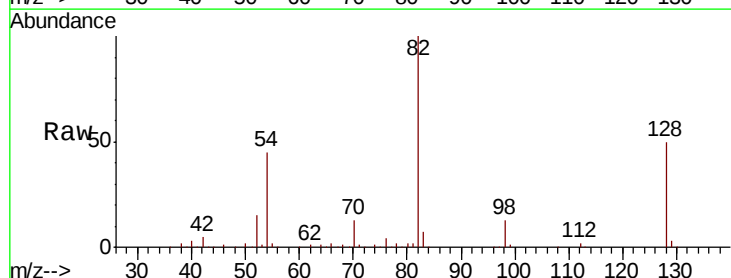
Instrument :  
BNA\_N  
ClientSampleId :  
110918-JETT-F-D-B

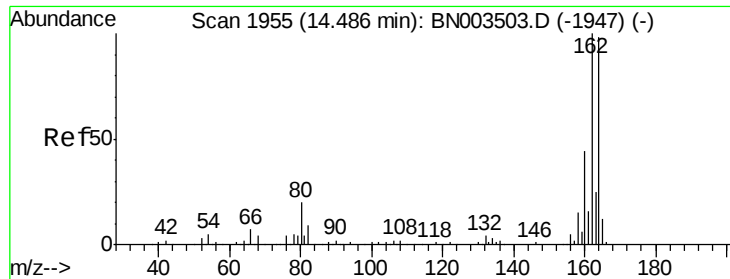
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 499728 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 8.7   | 13.1   |
| 54       | 6.9   | 5.7   | 8.5    |
| 68       | 5.7   | 4.7   | 7.1    |



#23  
Nitrobenzene-d5  
Concen: 98.201 ng  
RT: 9.02 min Scan# 1025  
Delta R.T. 0.00 min  
Lab File: BN003518.D  
Acq: 13 Nov 2018 18:56

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 779603 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 50.4  | 40.0  | 60.0   |
| 54       | 44.6  | 36.1  | 54.1   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.48 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BN003518.D

Acq: 13 Nov 2018 18:56

Instrument :

BNA\_N

ClientSampleId :

110918-JETT-F-D-B

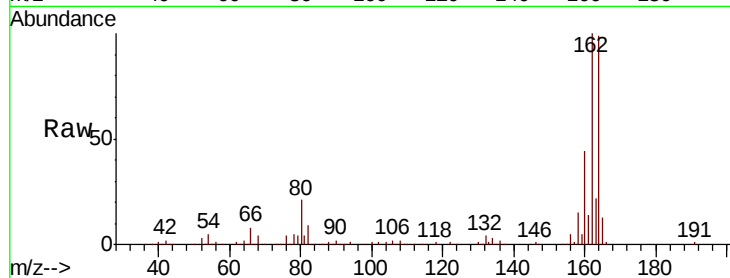
Tgt Ion:164 Resp: 296517

Ion Ratio Lower Upper

164 100

162 101.1 81.8 122.6

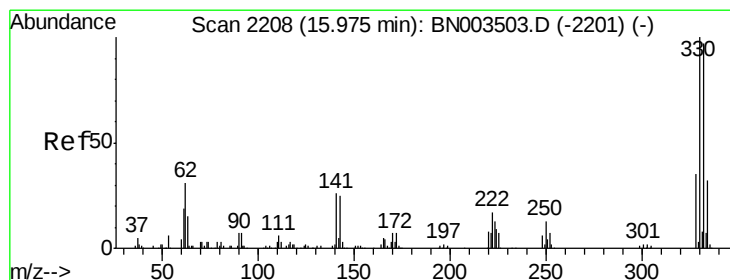
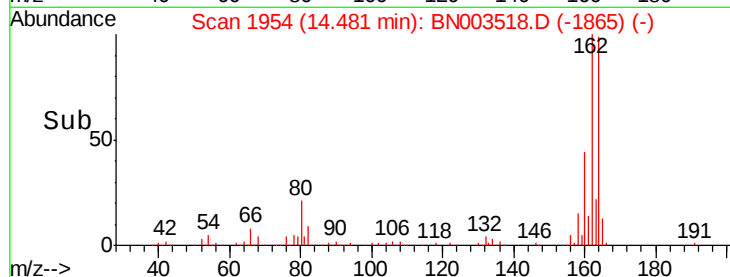
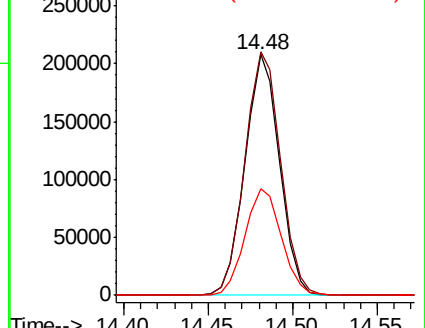
160 44.4 36.2 54.2



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



#42

2,4,6-Tribromophenol

Concen: 97.435 ng

RT: 15.97 min Scan# 2207

Delta R.T. -0.01 min

Lab File: BN003518.D

Acq: 13 Nov 2018 18:56

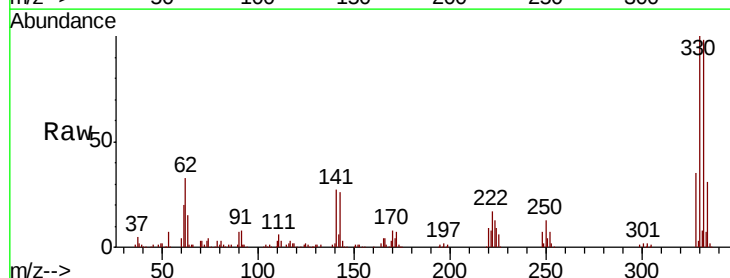
Tgt Ion:330 Resp: 430696

Ion Ratio Lower Upper

330 100

332 96.2 76.8 115.2

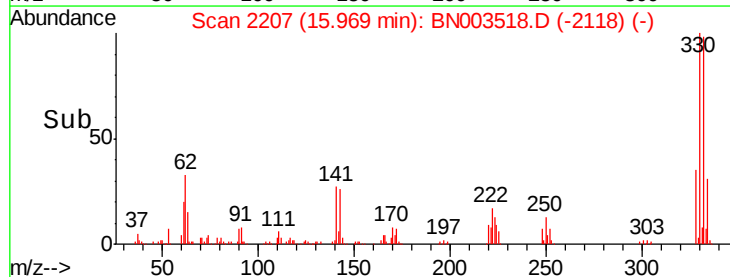
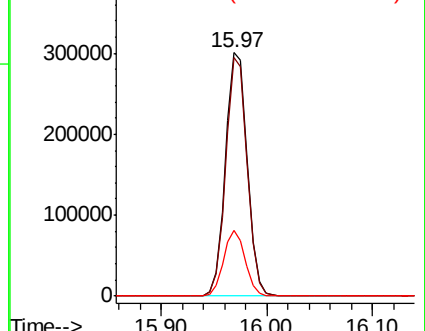
141 26.6 21.6 32.4

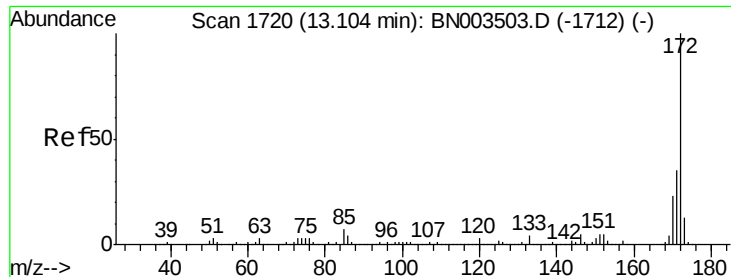


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

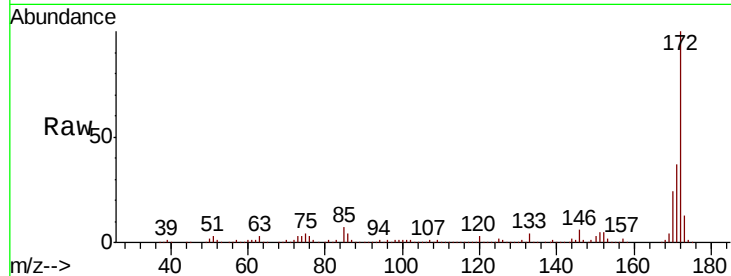




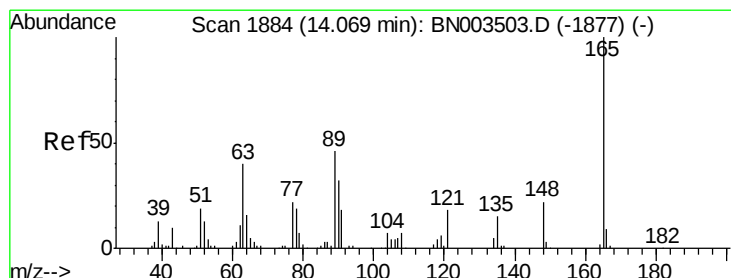
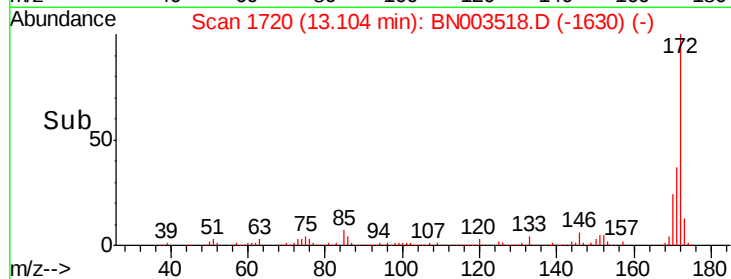
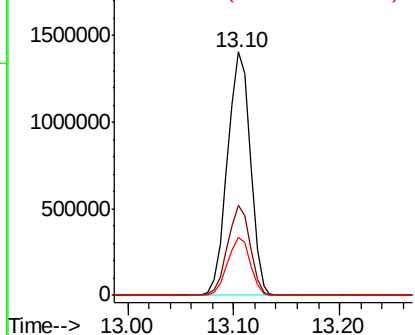
#45  
 2-Fluorobiphenyl  
 Concen: 94.471 ng  
 RT: 13.10 min Scan# 1720  
 Delta R.T. 0.00 min  
 Lab File: BN003518.D  
 Acq: 13 Nov 2018 18:56

Instrument :  
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 ClientSampleId :  
 110918-JETT-F-D-B

Tgt Ion:172 Resp: 2098688  
 Ion Ratio Lower Upper  
 172 100  
 171 36.9 28.3 42.5  
 170 23.9 18.7 28.1

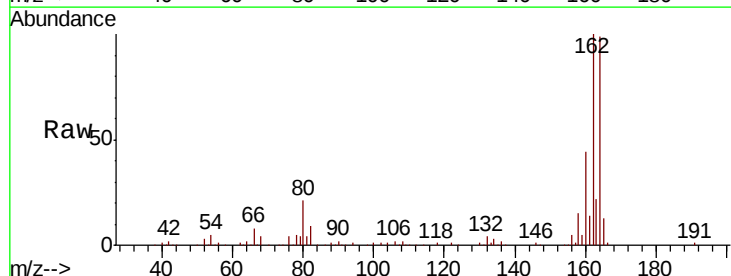


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

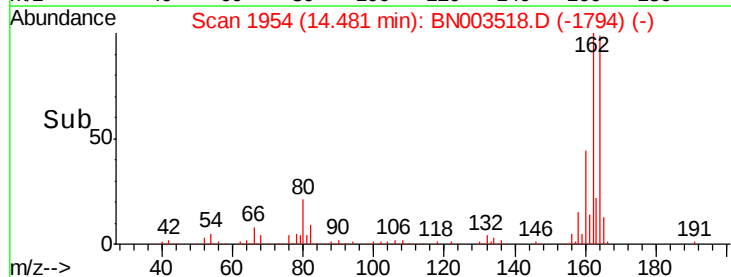
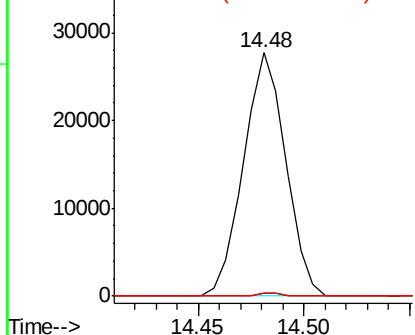


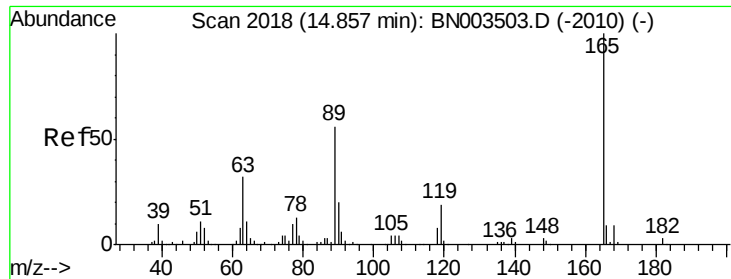
#51  
 2,6-Dinitrotoluene  
 Concen: 7.092 ng  
 RT: 14.48 min Scan# 1954  
 Delta R.T. 0.41 min  
 Lab File: BN003518.D  
 Acq: 13 Nov 2018 18:56

Tgt Ion:165 Resp: 38455  
 Ion Ratio Lower Upper  
 165 100  
 63 1.1 34.3 51.5#  
 89 1.1 36.7 55.1#



Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BNC  
 Ion 89.00 (88.70 to 89.70): BNC

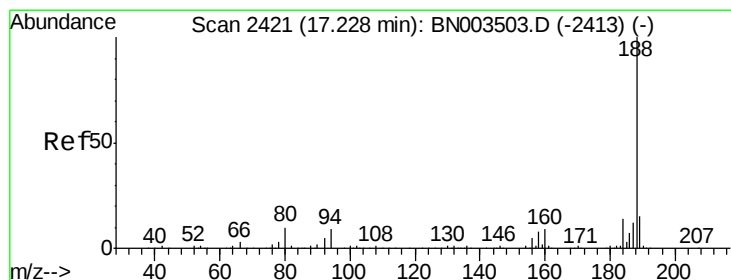
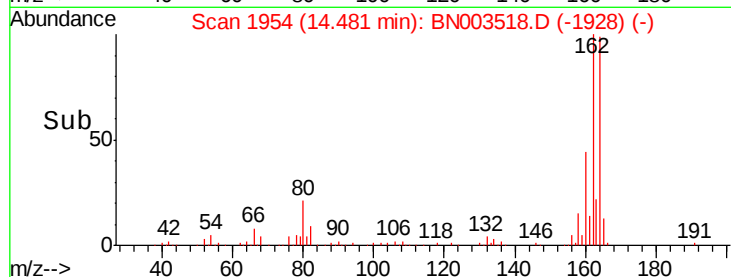
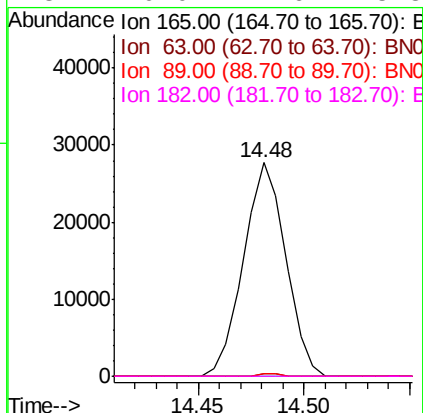
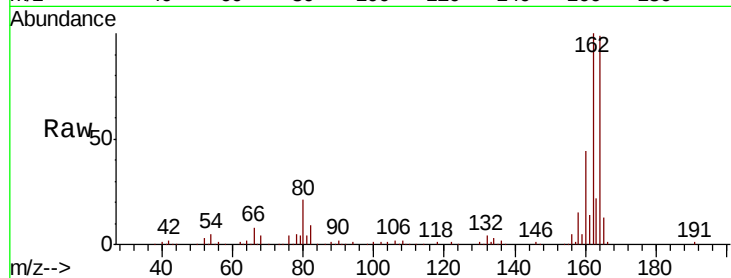




#57  
 2,4-Dinitrotoluene  
 Concen: 5.247 ng  
 RT: 14.48 min Scan# 1954  
 Delta R.T. -0.38 min  
 Lab File: BN003518.D  
 Acq: 13 Nov 2018 18:56

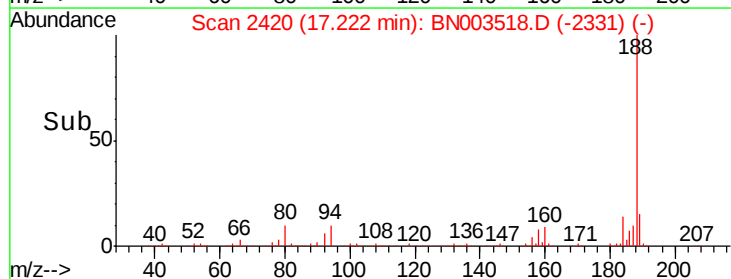
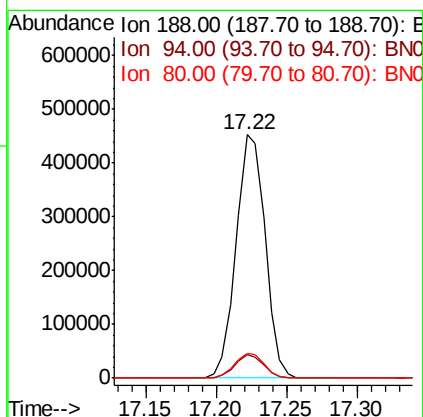
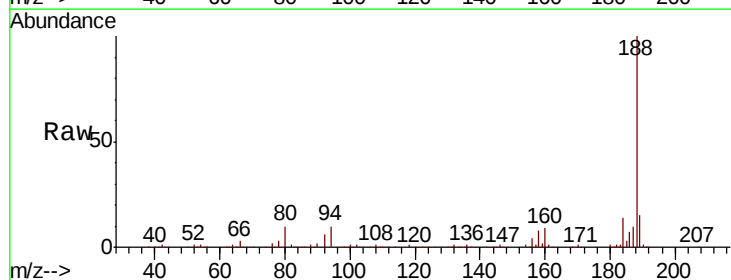
Instrument :  
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 ClientSampleId :  
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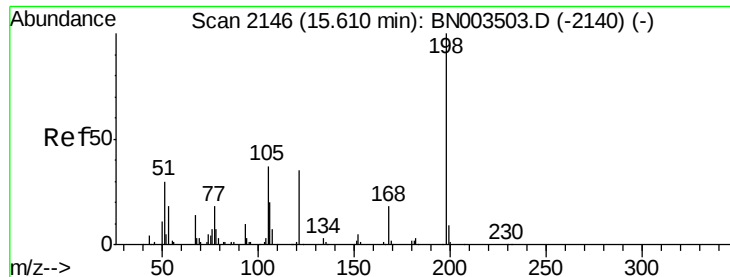
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 25.4  | 38.2# |
| 89      | 1.1   | 44.7  | 67.1# |
| 182     | 0.0   | 2.6   | 3.8#  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.22 min Scan# 2420  
 Delta R.T. -0.01 min  
 Lab File: BN003518.D  
 Acq: 13 Nov 2018 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.6   | 7.6   | 11.4  |
| 80      | 10.1  | 8.2   | 12.2  |

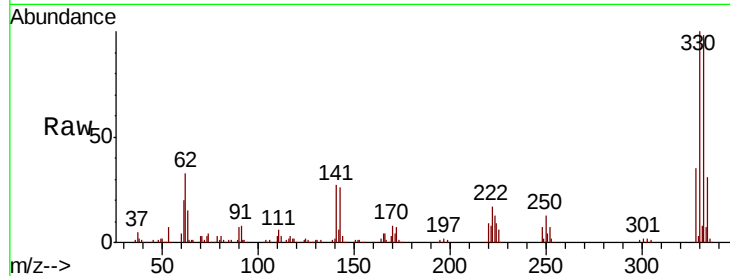




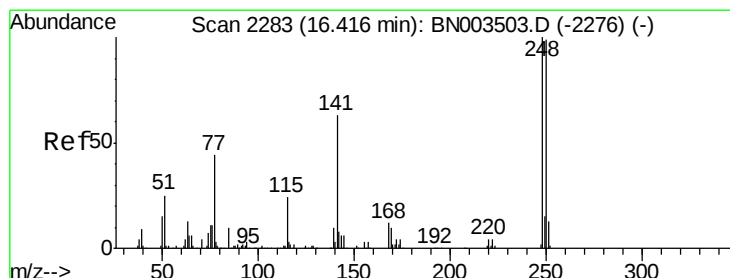
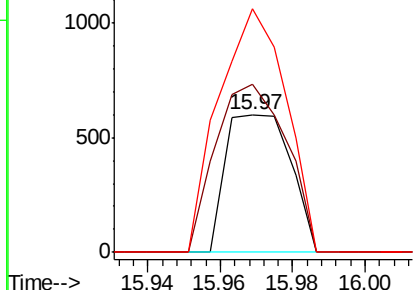
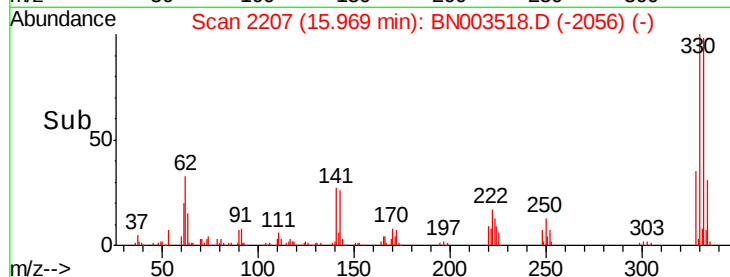
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 5.086 ng  
 RT: 15.97 min Scan# 2207  
 Delta R.T. 0.36 min  
 Lab File: BN003518.D  
 Acq: 13 Nov 2018 18:56

Instrument :  
 BNA\_N  
 ClientSampleId :  
 110918-JETT-F-D-B

Tgt Ion:198 Resp: 746  
 Ion Ratio Lower Upper  
 198 100  
 51 122.0 13.8 53.8#  
 105 177.0 18.3 58.3#

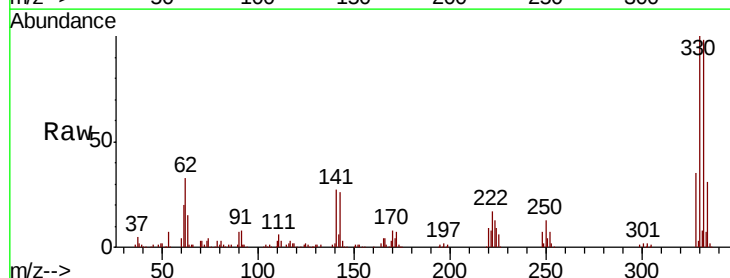


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BNO  
 Ion 105.00 (104.70 to 105.70): E

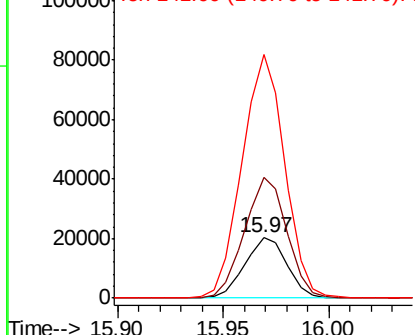
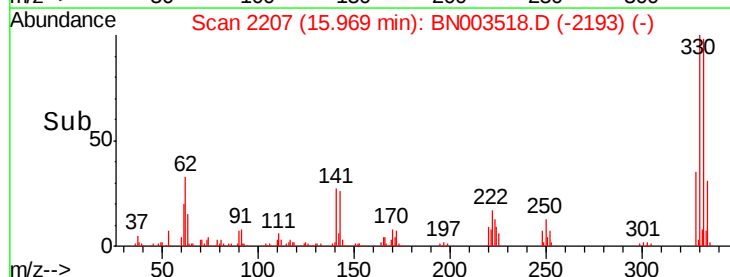


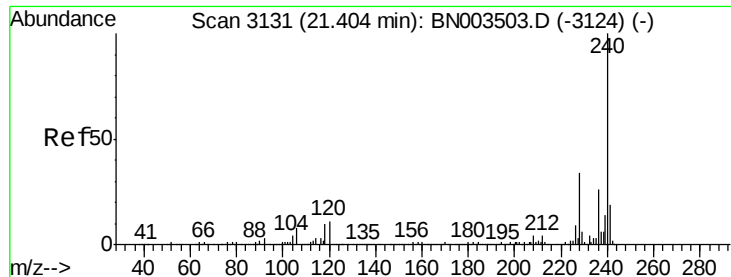
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.403 ng  
 RT: 15.97 min Scan# 2207  
 Delta R.T. -0.45 min  
 Lab File: BN003518.D  
 Acq: 13 Nov 2018 18:56

Tgt Ion:248 Resp: 27929  
 Ion Ratio Lower Upper  
 248 100  
 250 199.7 79.0 118.6#  
 141 403.9 50.7 76.1#



Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

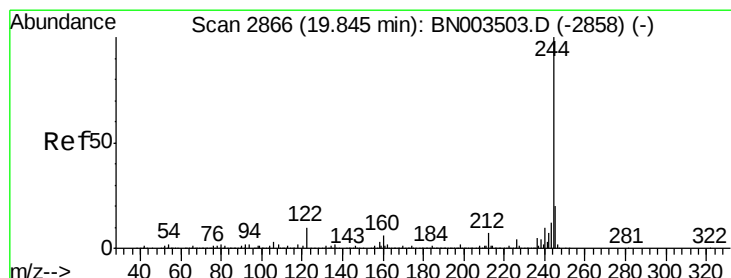
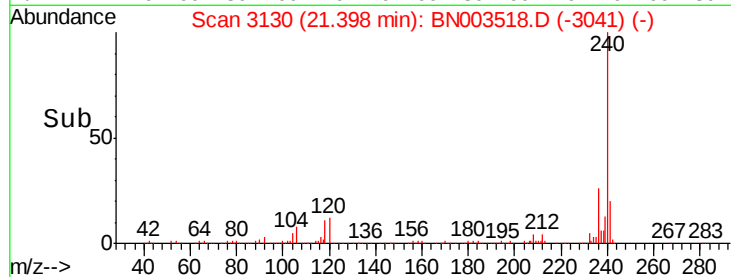
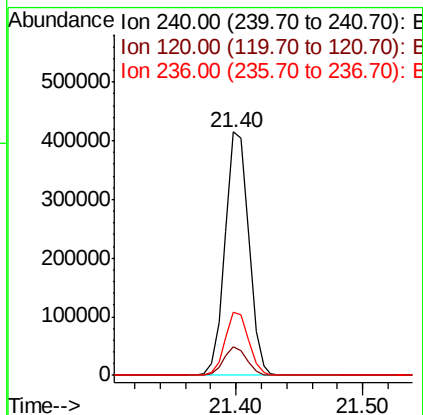
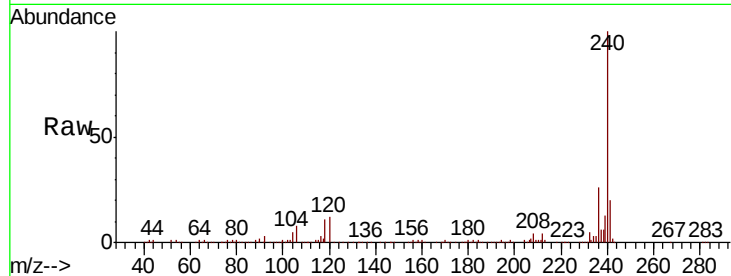




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.40 min Scan# 3130  
Delta R.T. -0.01 min  
Lab File: BN003518.D  
Acq: 13 Nov 2018 18:56

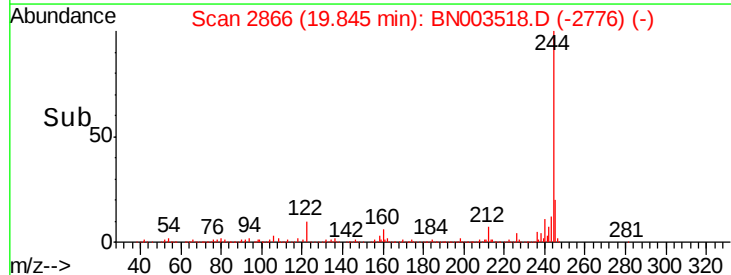
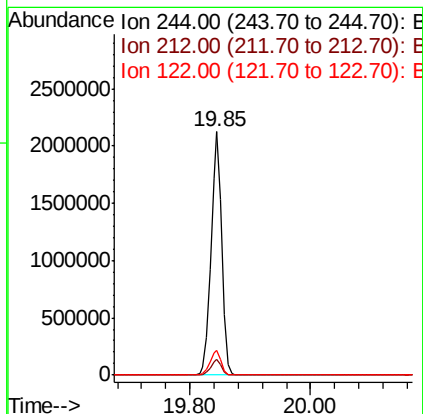
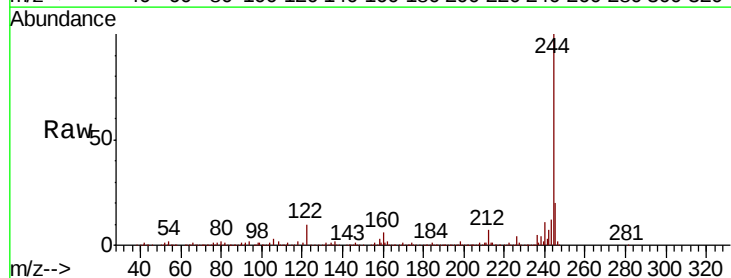
Instrument :  
BNA\_N  
ClientSampleId :  
110918-JETT-F-D-B

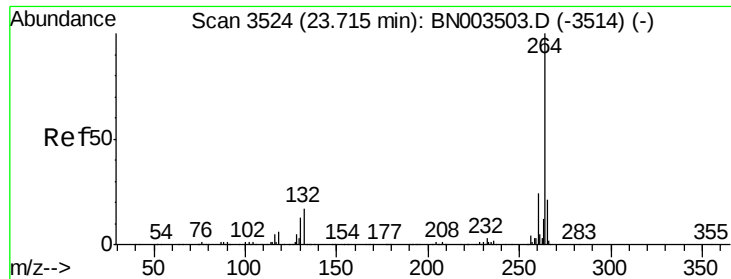
Tgt Ion:240 Resp: 536227  
Ion Ratio Lower Upper  
240 100  
120 11.5 9.1 13.7  
236 25.7 20.6 30.8



#79  
Terphenyl-d14  
Concen: 95.485 ng  
RT: 19.85 min Scan# 2866  
Delta R.T. 0.00 min  
Lab File: BN003518.D  
Acq: 13 Nov 2018 18:56

Tgt Ion:244 Resp: 2600740  
Ion Ratio Lower Upper  
244 100  
212 6.7 5.4 8.0  
122 10.4 8.2 12.2





#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.72 min Scan# 3524  
Delta R.T. 0.00 min  
Lab File: BN003518.D  
Acq: 13 Nov 2018 18:56

Instrument :  
BNA\_N  
ClientSampleId :  
110918-JETT-F-D-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 18.8  | 28.2  |
| 265     | 21.6  | 17.2  | 25.8  |

