

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN110920\  
 Data File : BN012521.D  
 Acq On : 09 Nov 2020 19:57  
 Operator : CG/JU  
 Sample : L4662-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB178-GW-358-360

Quant Time: Nov 10 04:02:06 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN110420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 05 05:46:47 2020  
 Response via : Initial Calibration

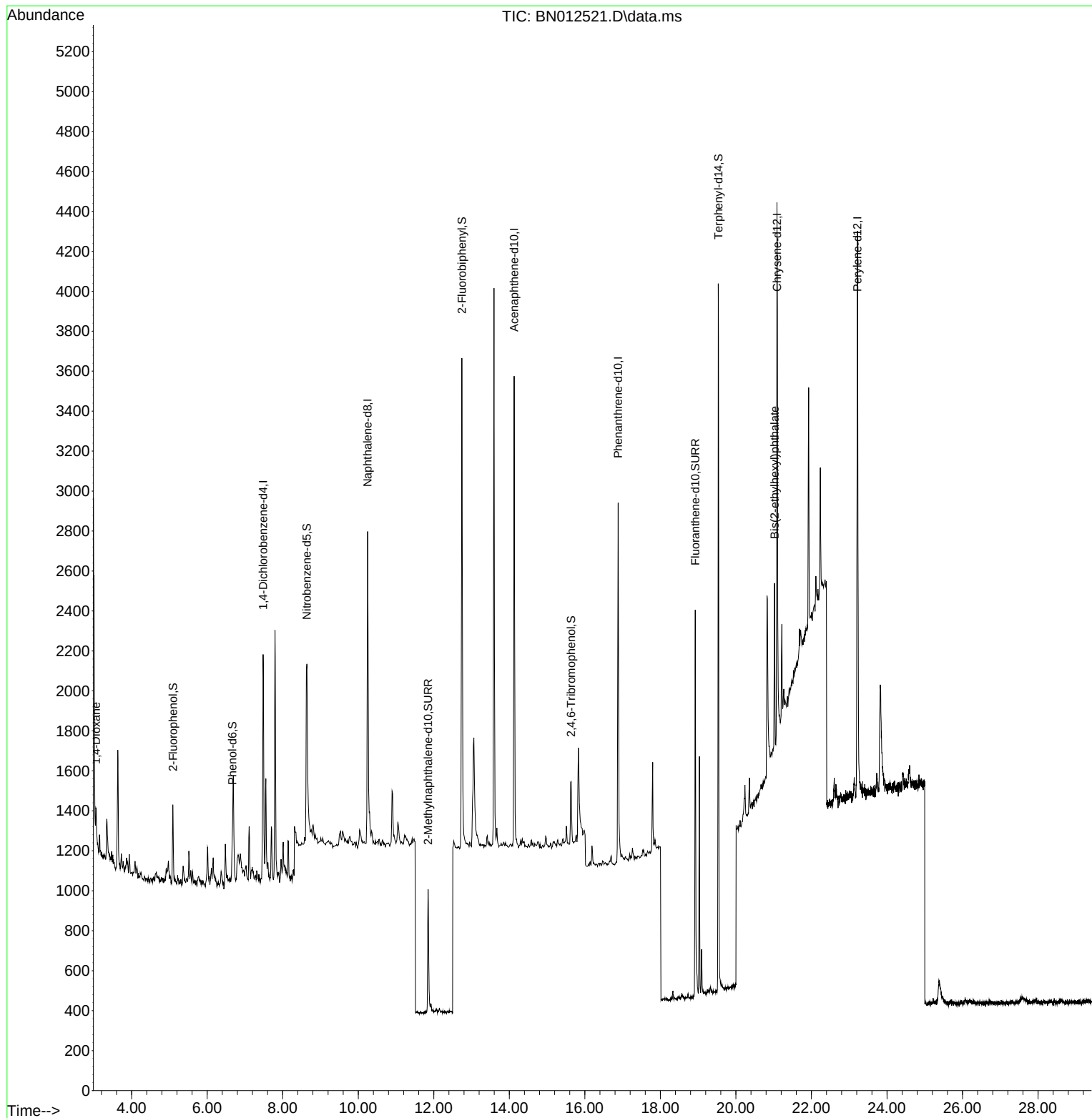
| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| -----                         |        |      |          |      |       |          |
| Internal Standards            |        |      |          |      |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.481  | 152  | 583      | 0.40 | ng    | # 0.00   |
| 7) Naphthalene-d8             | 10.250 | 136  | 2302     | 0.40 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.128 | 164  | 1322     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 16.883 | 188  | 2757     | 0.40 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.089 | 240  | 3045     | 0.40 | ng    | #-0.01   |
| 36) Perylene-d12              | 23.220 | 264  | 3692     | 0.40 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |      |       |          |
| 4) 2-Fluorophenol             | 5.098  | 112  | 242      | 0.12 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.668  | 99   | 164      | 0.07 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.640  | 82   | 1120     | 0.41 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.851 | 152  | 1008     | 0.27 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.638 | 330  | 289      | 0.30 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.745 | 172  | 2154     | 0.42 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 18.923 | 212  | 2491     | 0.29 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.534 | 244  | 3761     | 0.52 | ng    | 0.00     |
| Target Compounds              |        |      |          |      |       |          |
| 2) 1,4-Dioxane                | 3.060  | 88   | 121      | 0.13 | ng    | # 55     |
| 34) Bis(2-ethylhexyl)phtha... | 21.025 | 149  | 806      | 0.12 | ng    | # 88     |
| -----                         |        |      |          |      |       |          |

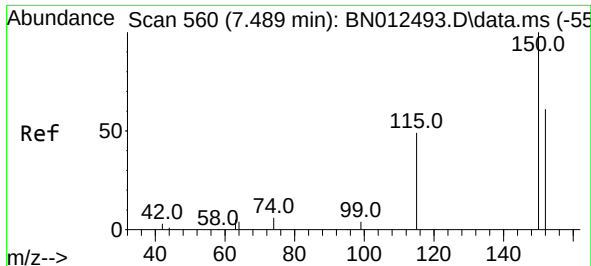
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN110920\  
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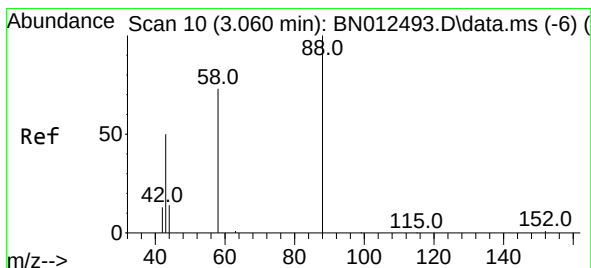
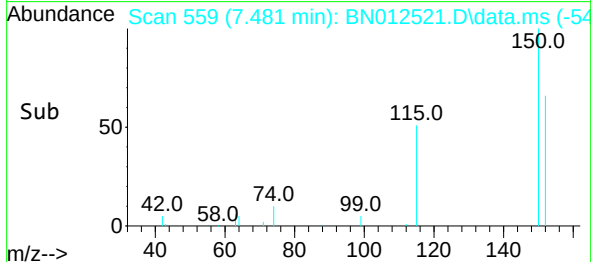
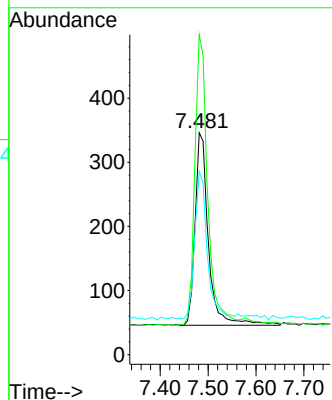
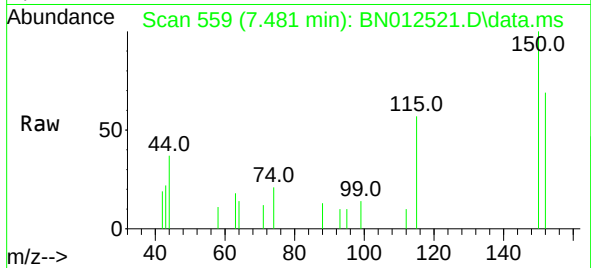




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.40 ng  
 RT: 7.481 min Scan# 559  
 Delta R.T. -0.008 min  
 Lab File: BN012521.D  
 Acq: 09 Nov 2020 19:57

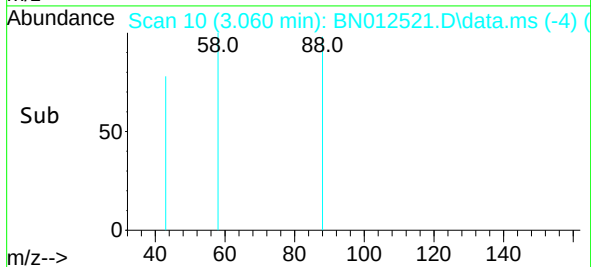
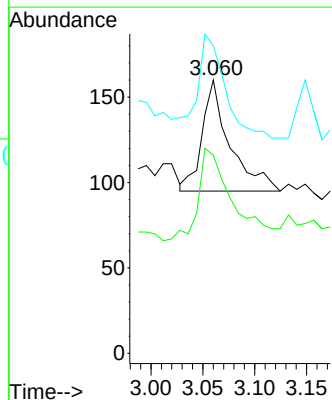
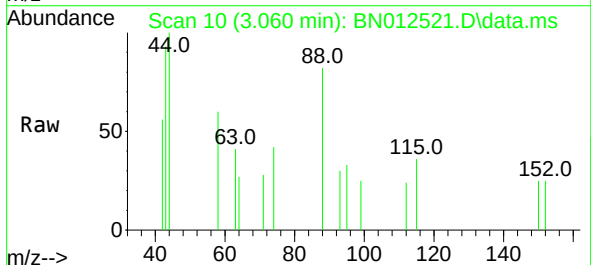
Instrument :  
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 ClientSampleId :  
 BP-VPB178-GW-358-360

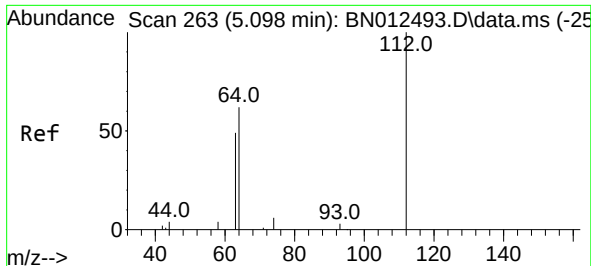
Tgt Ion:152 Resp: 583  
 Ion Ratio Lower Upper  
 152 100  
 150 144.2 116.6 174.8  
 115 82.7 52.9 79.3#



#2  
 1,4-Dioxane  
 Concen: 0.13 ng  
 RT: 3.060 min Scan# 10  
 Delta R.T. -0.000 min  
 Lab File: BN012521.D  
 Acq: 09 Nov 2020 19:57

Tgt Ion: 88 Resp: 121  
 Ion Ratio Lower Upper  
 88 100  
 58 95.0 59.4 89.2#  
 43 91.7 32.3 48.5#

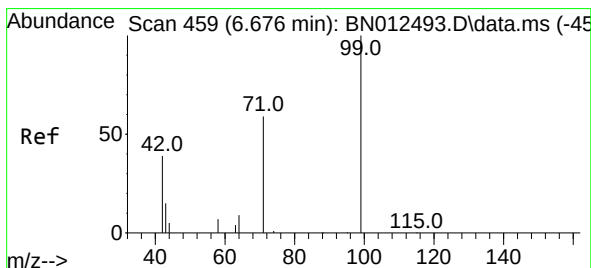
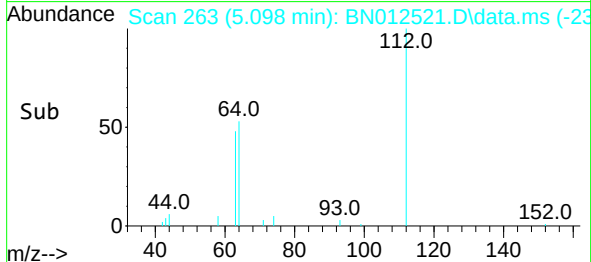
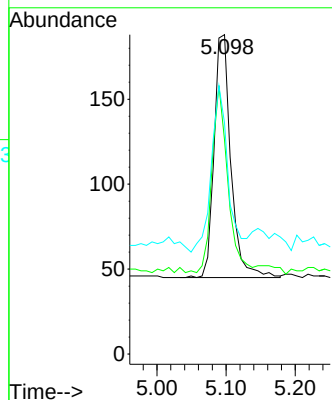
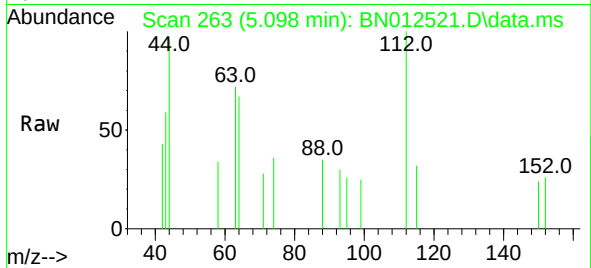




#4  
2-Fluorophenol  
Concen: 0.12 ng  
RT: 5.098 min Scan# 263  
Delta R.T. -0.000 min  
Lab File: BN012521.D  
Acq: 09 Nov 2020 19:57

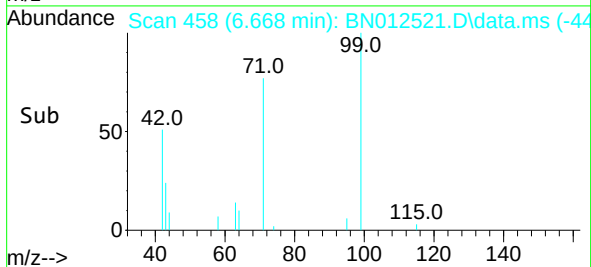
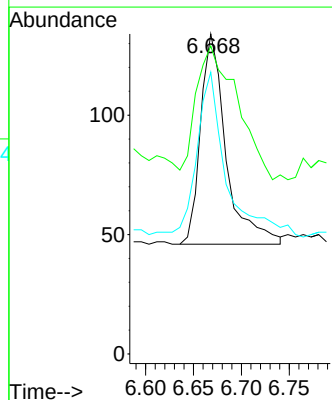
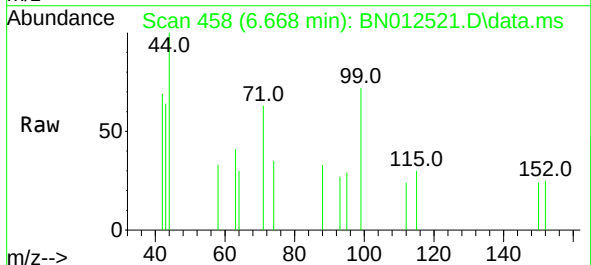
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB178-GW-358-360

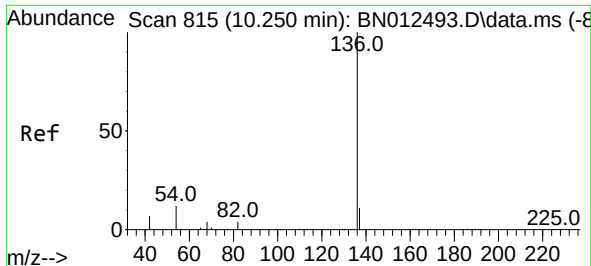
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 242   |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 71.5  | 49.5  | 74.3  |
| 63       | 67.4  | 32.0  | 48.0# |



#5  
Phenol-d6  
Concen: 0.07 ng  
RT: 6.668 min Scan# 458  
Delta R.T. -0.008 min  
Lab File: BN012521.D  
Acq: 09 Nov 2020 19:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 164   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 102.4 | 22.4  | 33.6# |
| 71       | 90.2  | 37.8  | 56.6# |

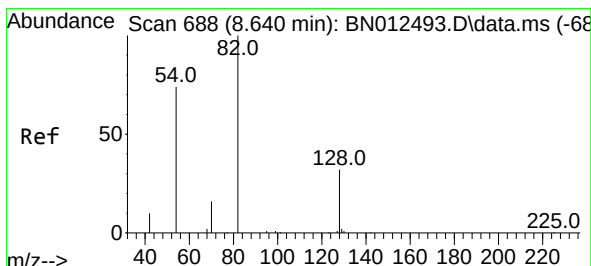
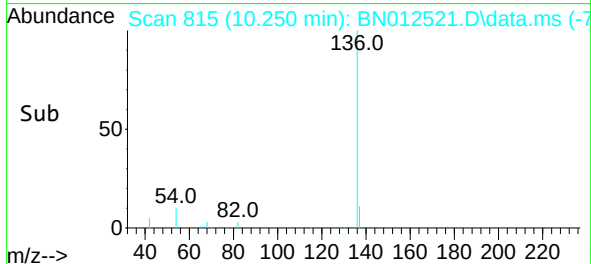
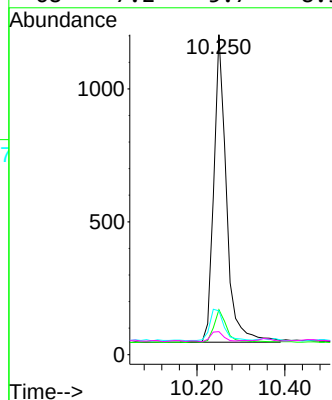
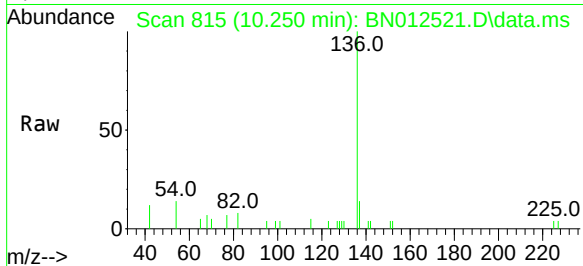




#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.250 min Scan# 815  
Delta R.T. -0.000 min  
Lab File: BN012521.D  
Acq: 09 Nov 2020 19:57

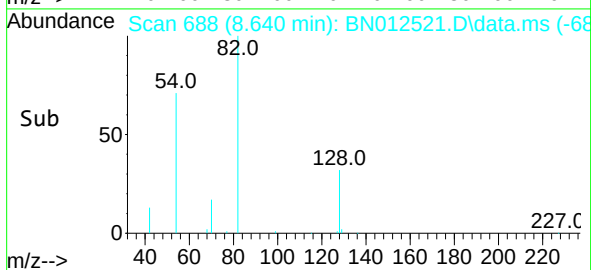
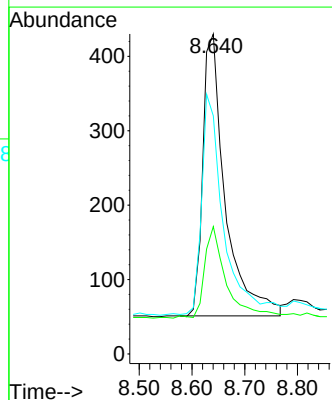
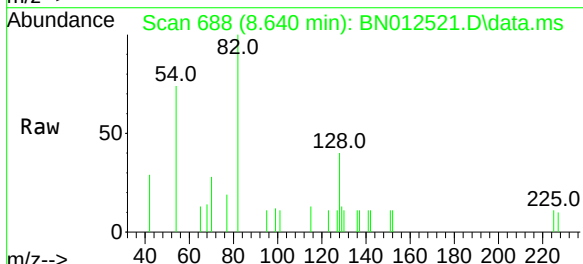
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB178-GW-358-360

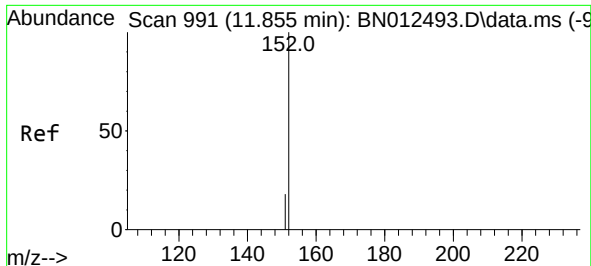
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 2302  |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 14.0  | 10.6  | 15.8  |
| 54        | 13.7  | 8.6   | 12.8# |
| 68        | 7.2   | 5.7   | 8.5   |



#8  
Nitrobenzene-d5  
Concen: 0.41 ng  
RT: 8.640 min Scan# 688  
Delta R.T. -0.000 min  
Lab File: BN012521.D  
Acq: 09 Nov 2020 19:57

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 1120  |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 39.8  | 30.6  | 46.0  |
| 54        | 74.4  | 48.3  | 72.5# |

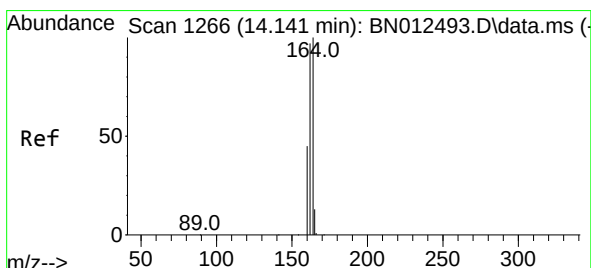
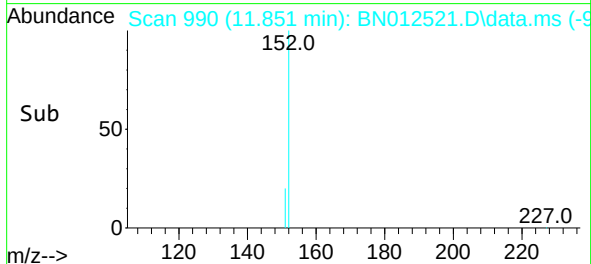
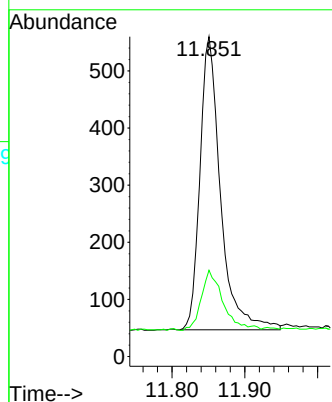
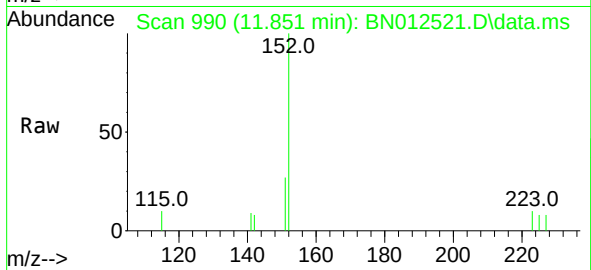




#11  
2-Methylnaphthalene-d10  
Concen: 0.27 ng  
RT: 11.851 min Scan# 990  
Delta R.T. -0.004 min  
Lab File: BN012521.D  
Acq: 09 Nov 2020 19:57

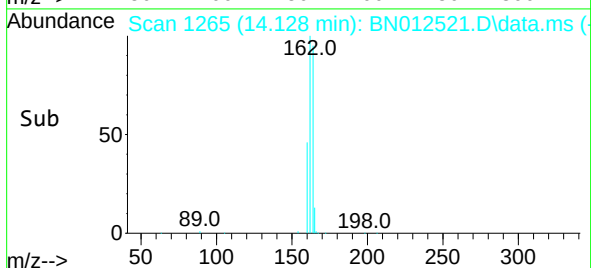
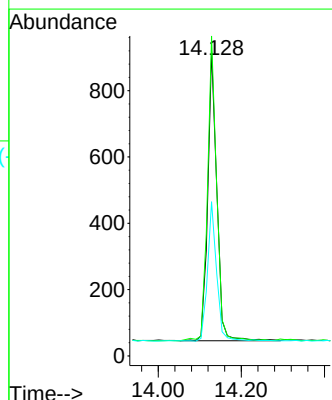
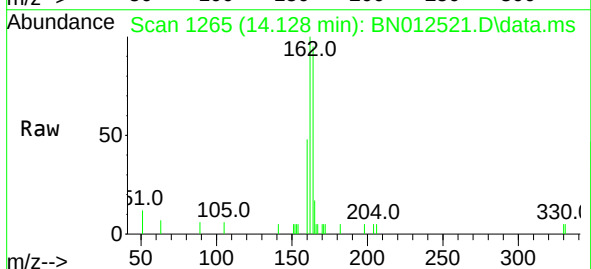
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB178-GW-358-360

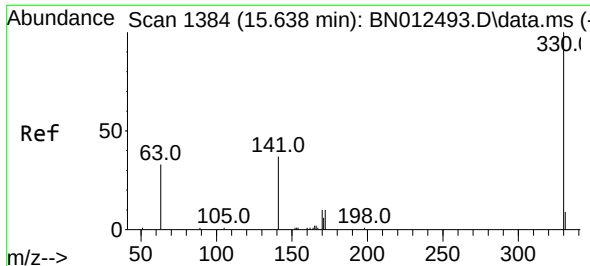
Tgt Ion:152 Resp: 1008  
Ion Ratio Lower Upper  
152 100  
151 21.6 16.7 25.1



#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.128 min Scan# 1265  
Delta R.T. -0.013 min  
Lab File: BN012521.D  
Acq: 09 Nov 2020 19:57

Tgt Ion:164 Resp: 1322  
Ion Ratio Lower Upper  
164 100  
162 105.1 80.6 120.8  
160 50.7 39.5 59.3

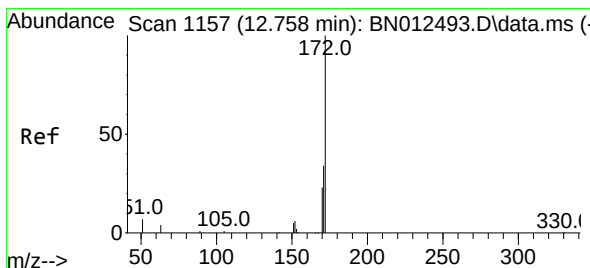
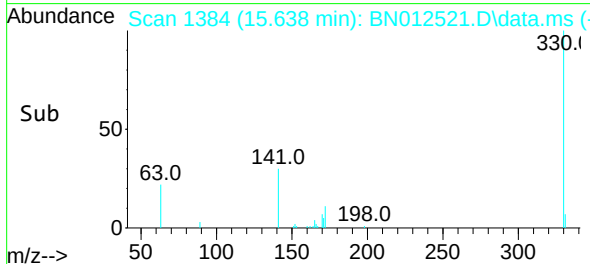
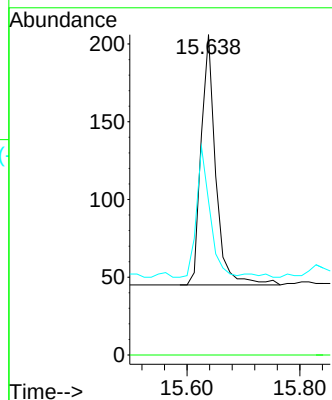
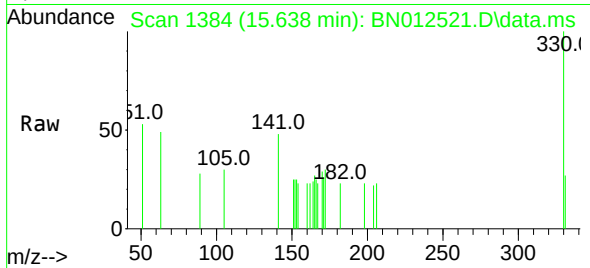




#14  
2,4,6-Tribromophenol  
Concen: 0.30 ng  
RT: 15.638 min Scan# 1384  
Delta R.T. -0.000 min  
Lab File: BN012521.D  
Acq: 09 Nov 2020 19:57

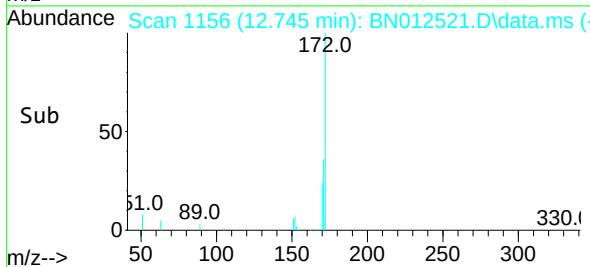
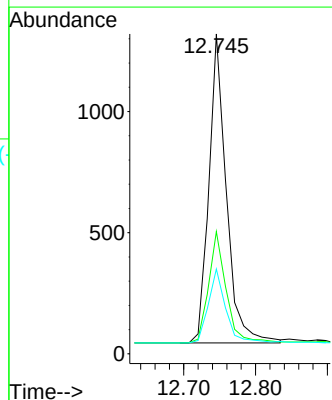
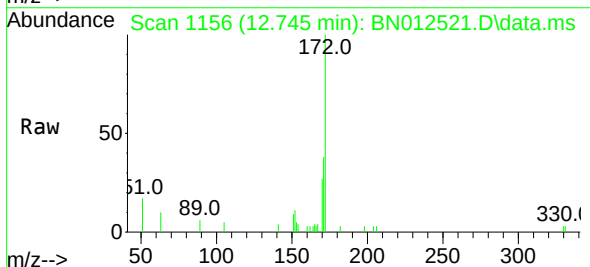
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB178-GW-358-360

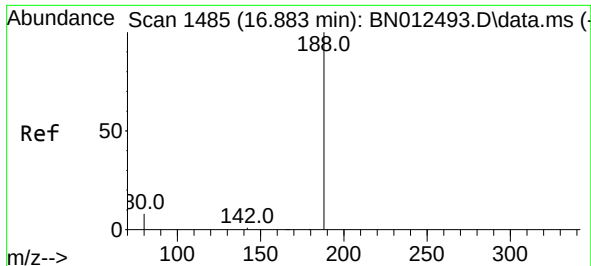
Tgt Ion:330 Resp: 289  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 48.1 34.4 51.6



#15  
2-Fluorobiphenyl  
Concen: 0.42 ng  
RT: 12.745 min Scan# 1156  
Delta R.T. -0.013 min  
Lab File: BN012521.D  
Acq: 09 Nov 2020 19:57

Tgt Ion:172 Resp: 2154  
Ion Ratio Lower Upper  
172 100  
171 38.3 28.2 42.4  
170 26.5 20.0 30.0

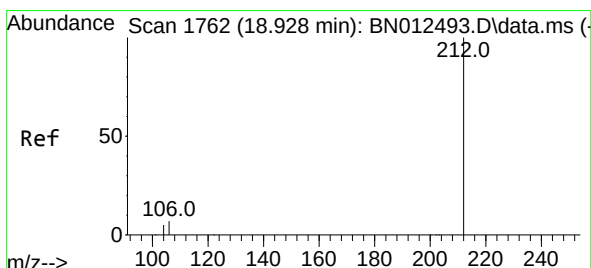
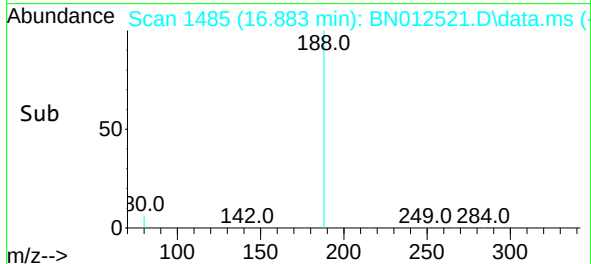
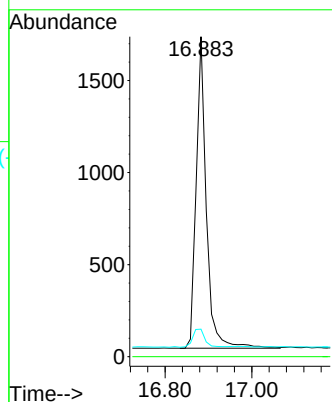
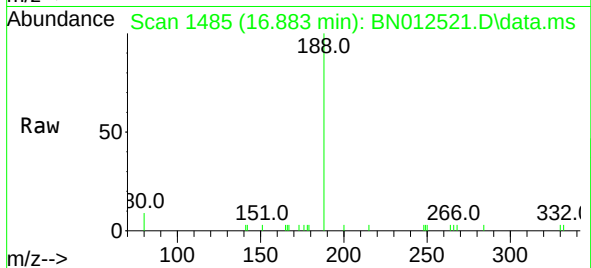




#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 16.883 min Scan# 1485  
Delta R.T. -0.000 min  
Lab File: BN012521.D  
Acq: 09 Nov 2020 19:57

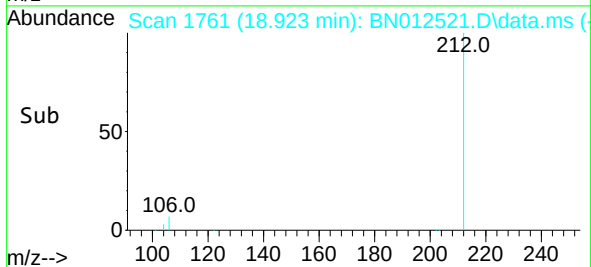
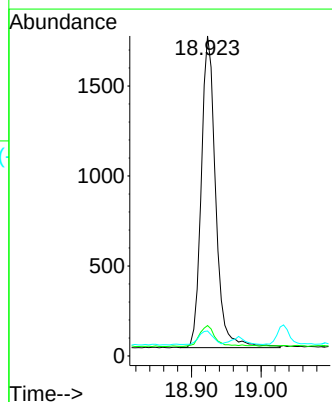
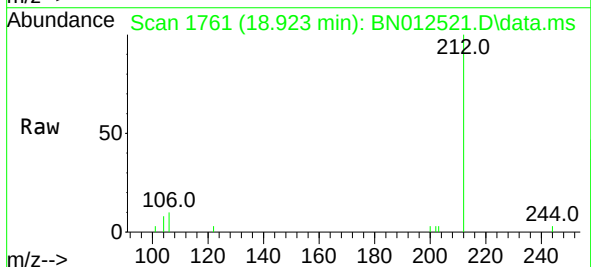
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB178-GW-358-360

Tgt Ion:188 Resp: 2757  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 8.6 5.0 7.4#

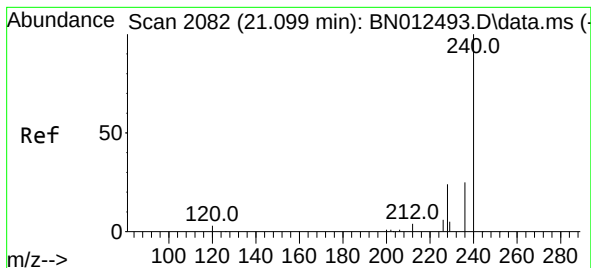


#27  
Fluoranthene-d10  
Concen: 0.29 ng  
RT: 18.923 min Scan# 1761  
Delta R.T. -0.005 min  
Lab File: BN012521.D  
Acq: 09 Nov 2020 19:57

Tgt Ion:212 Resp: 2491  
Ion Ratio Lower Upper  
212 100  
106 7.1 6.8 10.2  
104 4.3 4.1 6.1







#29

Chrysene-d12

Concen: 0.40 ng

RT: 21.089 min Scan# 2081

Delta R.T. -0.011 min

Lab File: BN012521.D

Acq: 09 Nov 2020 19:57

Tgt Ion:240 Resp: 3045

Ion Ratio Lower Upper

240 100

120 12.3 5.3 7.9#

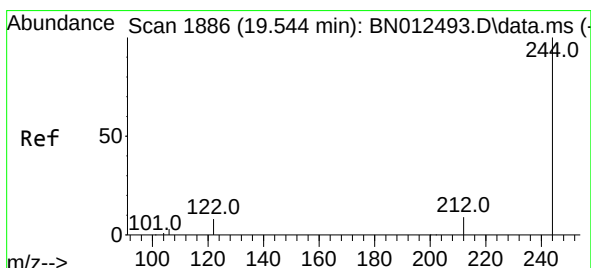
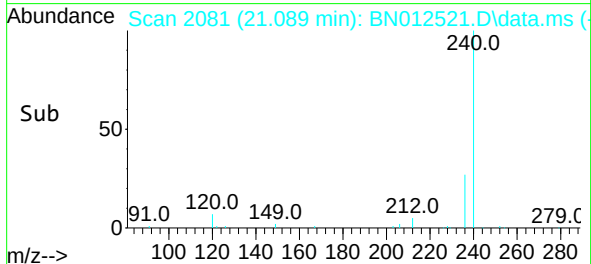
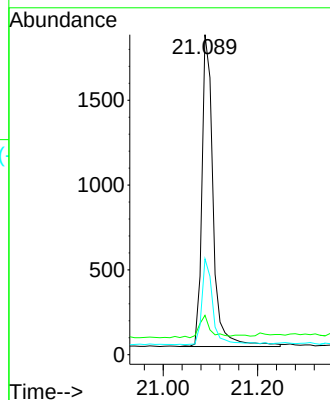
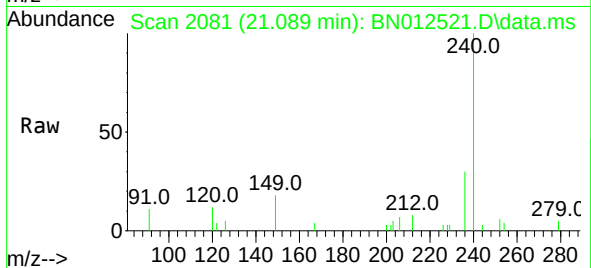
236 29.9 21.8 32.8

Instrument :

BNA\_N

ClientSampleId :

BP-VPB178-GW-358-360



#31

Terphenyl-d14

Concen: 0.52 ng

RT: 19.534 min Scan# 1884

Delta R.T. -0.010 min

Lab File: BN012521.D

Acq: 09 Nov 2020 19:57

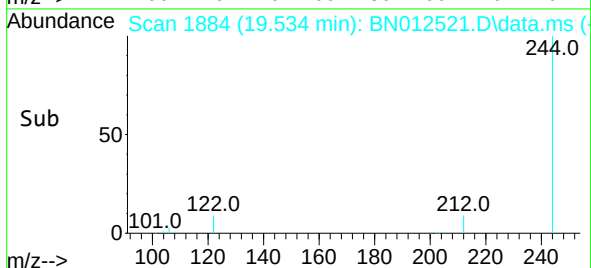
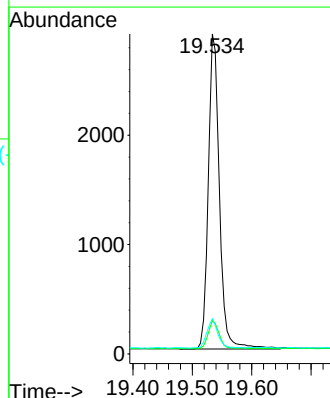
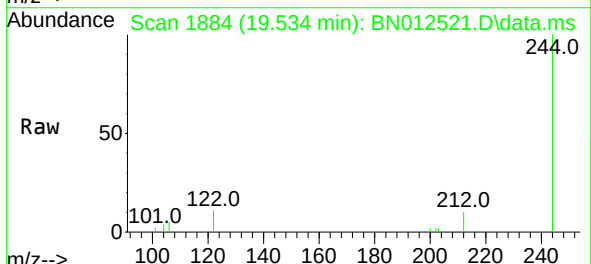
Tgt Ion:244 Resp: 3761

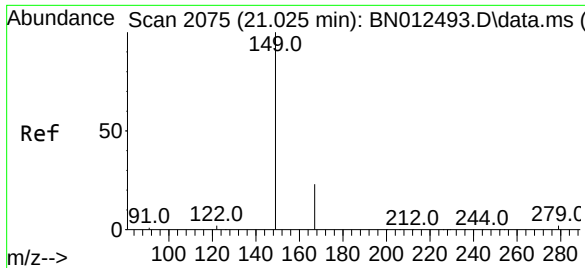
Ion Ratio Lower Upper

244 100

212 10.5 7.3 10.9

122 11.0 7.3 10.9#

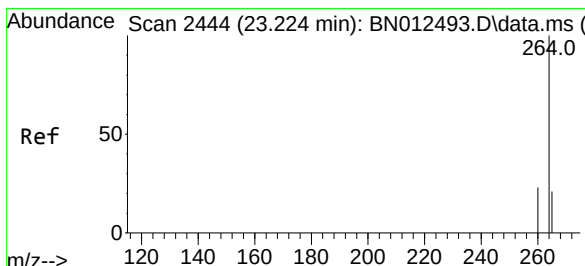
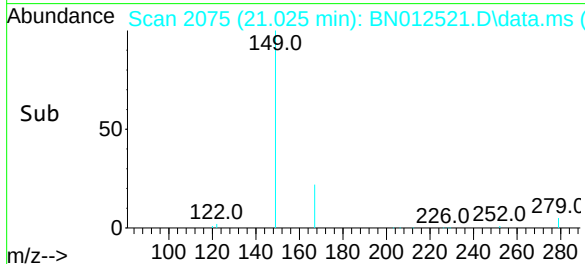
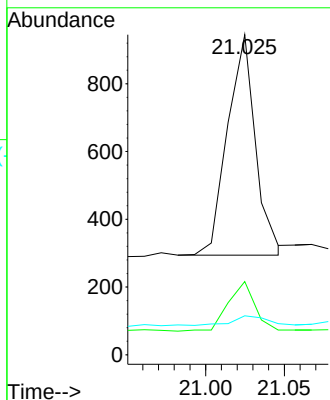
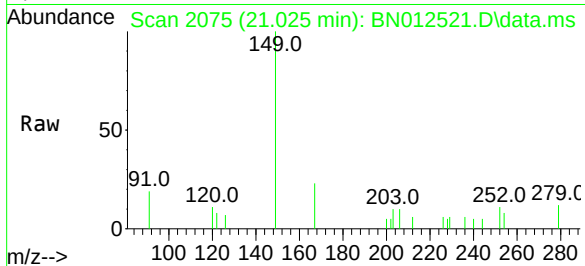




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.12 ng  
 RT: 21.025 min Scan# 2075  
 Delta R.T. -0.000 min  
 Lab File: BN012521.D  
 Acq: 09 Nov 2020 19:57

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB178-GW-358-360

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 149   | Resp: | 806   |
| Ion      | Ratio | Lower | Upper |
| 149      | 100   |       |       |
| 167      | 21.5  | 23.2  | 34.8# |
| 279      | 5.1   | 3.9   | 5.9   |



#36  
 Perylene-d12  
 Concen: 0.40 ng  
 RT: 23.220 min Scan# 2443  
 Delta R.T. -0.003 min  
 Lab File: BN012521.D  
 Acq: 09 Nov 2020 19:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 264   | Resp: | 3692  |
| Ion      | Ratio | Lower | Upper |
| 264      | 100   |       |       |
| 260      | 24.8  | 19.8  | 29.6  |
| 265      | 58.3  | 51.4  | 77.0  |

