

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121820\  
 Data File : BN013219.D  
 Acq On : 18 Dec 2020 21:29  
 Operator : CG/JU  
 Sample : L5053-20DL 2X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE120D1-20201210DL

Quant Time: Dec 19 01:12:06 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN121620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 18 16:11:20 2020  
 Response via : Initial Calibration

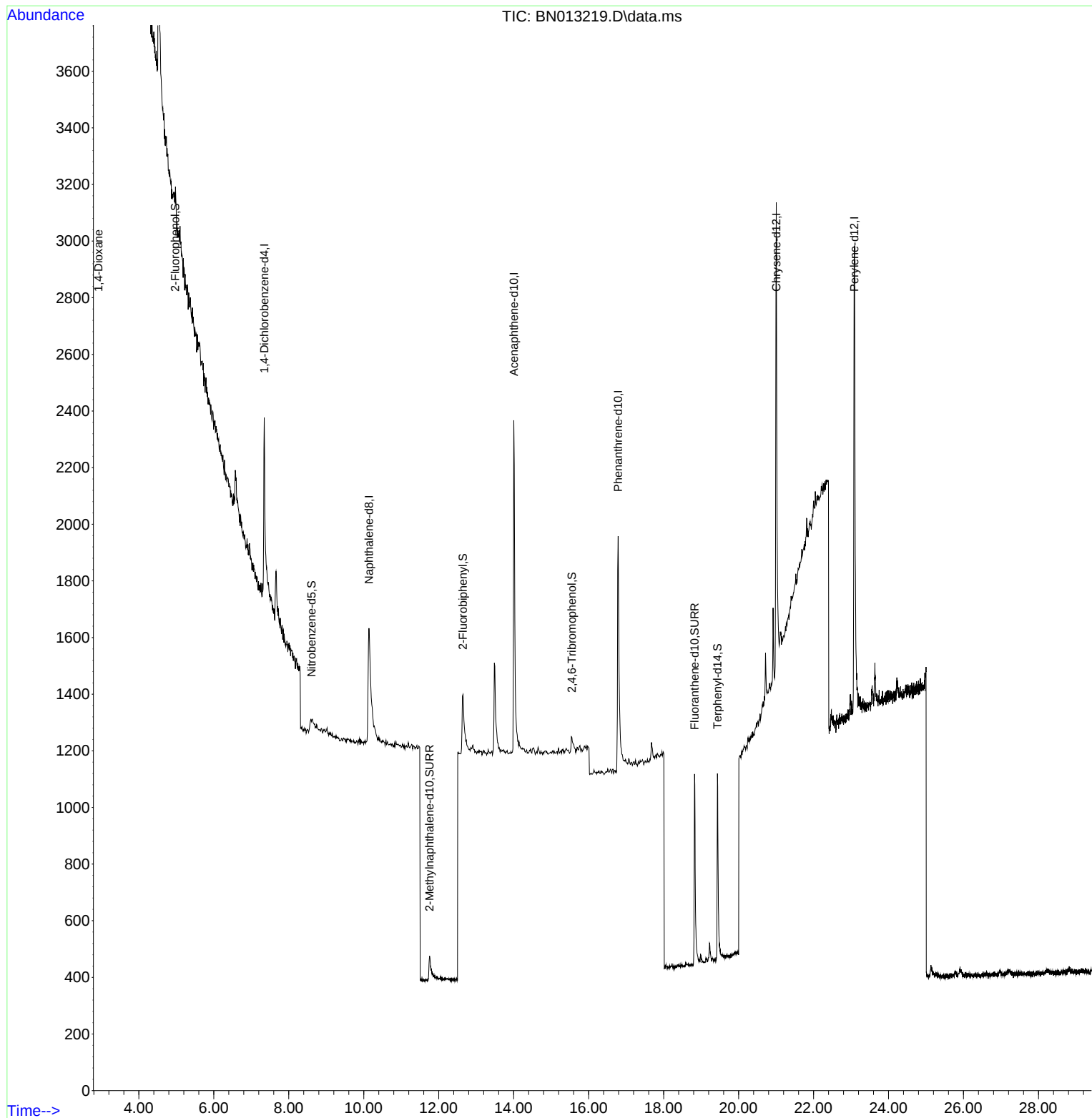
| Compound                    | R.T.   | QIon | Response | Conc | Units | Dev(Min)     |
|-----------------------------|--------|------|----------|------|-------|--------------|
| -----                       |        |      |          |      |       |              |
| Internal Standards          |        |      |          |      |       |              |
| 1) 1,4-Dichlorobenzene-d4   | 7.346  | 152  | 590      | 0.40 | ng    | # 0.00       |
| 7) Naphthalene-d8           | 10.137 | 136  | 1520     | 0.40 | ng    | # 0.03       |
| 13) Acenaphthene-d10        | 14.004 | 164  | 1061     | 0.40 | ng    | 0.00         |
| 19) Phenanthrene-d10        | 16.788 | 188  | 2399     | 0.40 | ng    | # 0.01       |
| 29) Chrysene-d12            | 21.006 | 240  | 2526     | 0.40 | ng    | # 0.00       |
| 36) Perylene-d12            | 23.089 | 264  | 2827     | 0.40 | ng    | # 0.00       |
| System Monitoring Compounds |        |      |          |      |       |              |
| 4) 2-Fluorophenol           | 4.970  | 112  | 86       | 0.04 | ng    | 0.00         |
| 5) Phenol-d6                | 6.557  | 99   | 37       | 0.02 | ng    | 0.00         |
| 8) Nitrobenzene-d5          | 8.604  | 82   | 149      | 0.09 | ng    | 0.08         |
| 11) 2-Methylnaphthalene-d10 | 11.755 | 152  | 299      | 0.11 | ng    | 0.03         |
| 14) 2,4,6-Tribromophenol    | 15.551 | 330  | 73       | 0.11 | ng    | 0.01         |
| 15) 2-Fluorobiphenyl        | 12.646 | 172  | 444      | 0.10 | ng    | 0.01         |
| 27) Fluoranthene-d10        | 18.826 | 212  | 1275     | 0.16 | ng    | 0.00         |
| 31) Terphenyl-d14           | 19.436 | 244  | 1092     | 0.17 | ng    | 0.00         |
| Target Compounds            |        |      |          |      |       |              |
| 2) 1,4-Dioxane              | 2.925  | 88   | 2678     | 2.60 | ng    | Qvalue<br>98 |
| -----                       |        |      |          |      |       |              |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121820\  
Data File : BN013219.D  
Acq On : 18 Dec 2020 21:29  
Operator : CG/JU  
Sample : L5053-20DL 2X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
RE120D1-20201210DL

Quant Time: Dec 19 01:12:06 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN121620.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 18 16:11:20 2020  
Response via : Initial Calibration



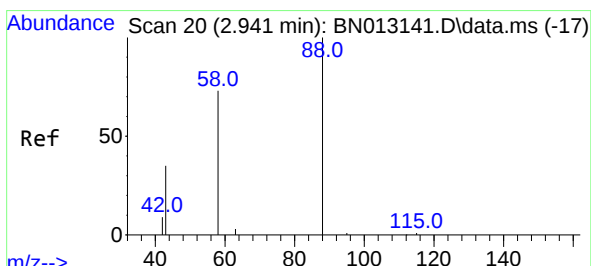
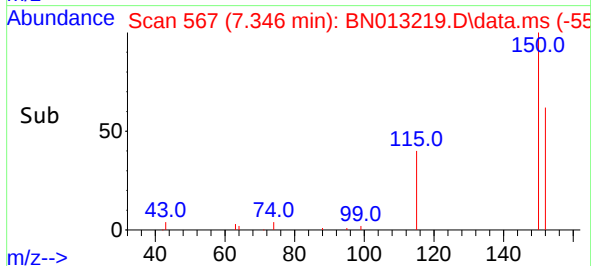
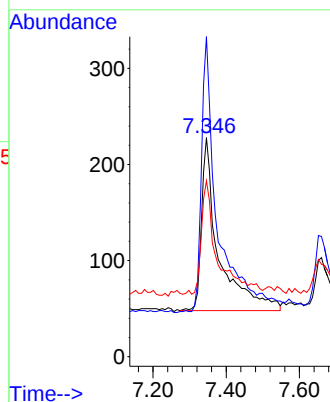
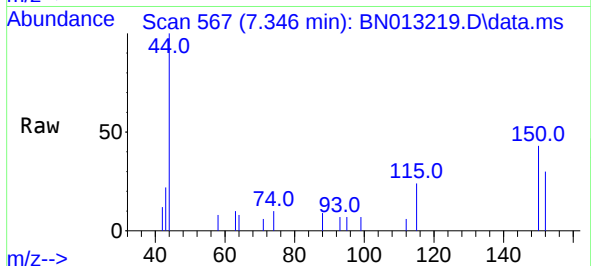


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.40 ng  
 RT: 7.346 min Scan# 567  
 Delta R.T. -0.000 min  
 Lab File: BN013219.D  
 Acq: 18 Dec 2020 21:29

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE120D1-20201210DL

Tgt Ion: 152 Resp: 590

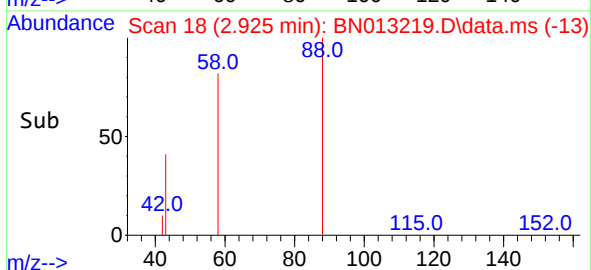
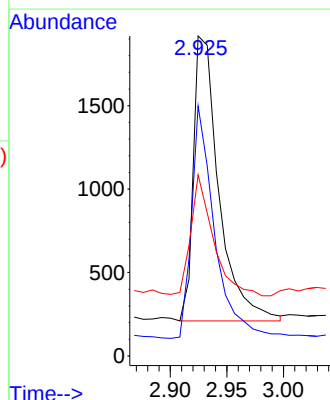
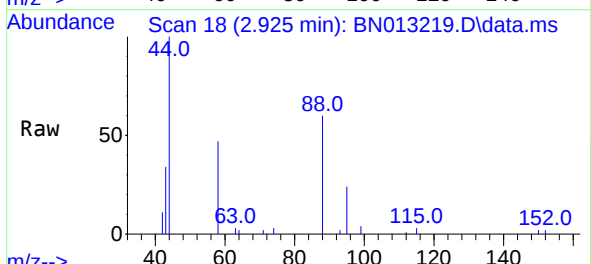
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 146.1 | 116.6 | 174.8 |
| 115 | 80.3  | 52.9  | 79.3  |



#2  
 1,4-Dioxane  
 Concen: 2.60 ng  
 RT: 2.925 min Scan# 18  
 Delta R.T. -0.008 min  
 Lab File: BN013219.D  
 Acq: 18 Dec 2020 21:29

Tgt Ion: 88 Resp: 2678

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 58  | 75.2  | 59.4  | 89.2  |
| 43  | 37.3  | 32.3  | 48.5  |

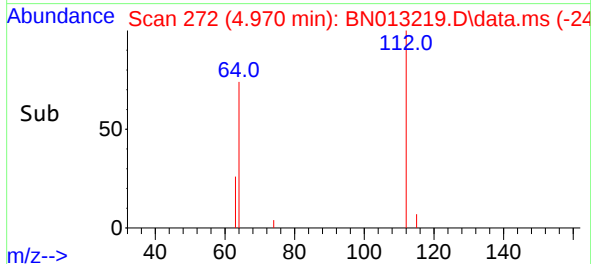
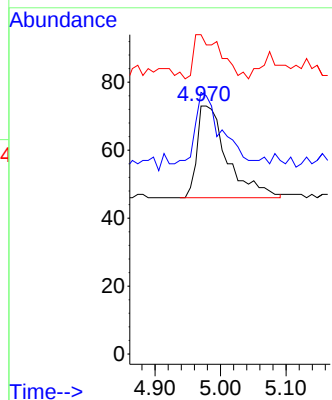
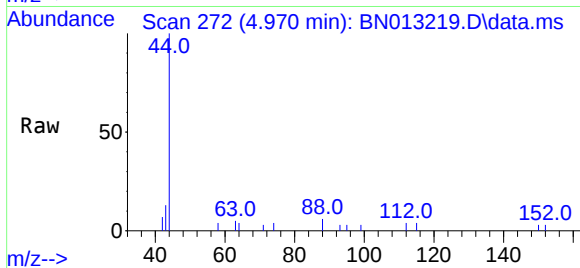




#4  
2-Fluorophenol  
Concen: 0.04 ng  
RT: 4.970 min Scan# 272  
Delta R.T. 0.008 min  
Lab File: BN013219.D  
Acq: 18 Dec 2020 21:29

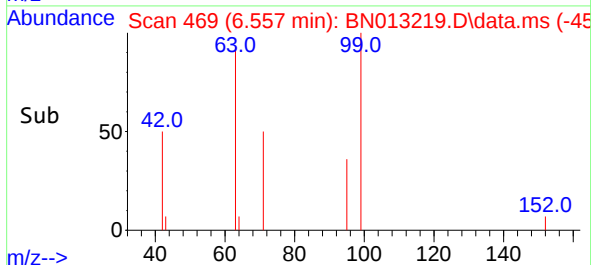
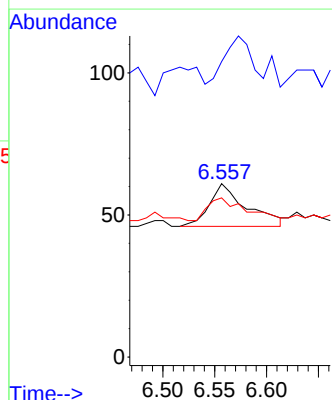
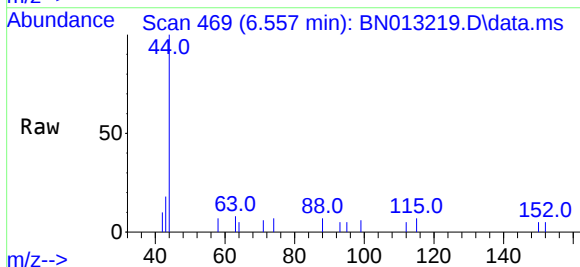
Instrument :  
BNA\_N  
ClientSampleId :  
RE120D1-20201210DL

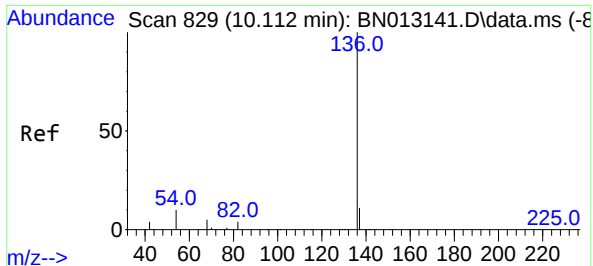
Tgt Ion:112 Resp: 86  
Ion Ratio Lower Upper  
112 100  
64 65.1 49.5 74.3  
63 43.0 32.0 48.0



#5  
Phenol-d6  
Concen: 0.02 ng  
RT: 6.557 min Scan# 469  
Delta R.T. 0.008 min  
Lab File: BN013219.D  
Acq: 18 Dec 2020 21:29

Tgt Ion: 99 Resp: 37  
Ion Ratio Lower Upper  
99 100  
42 102.7 22.4 33.6#  
71 56.8 37.8 56.6#

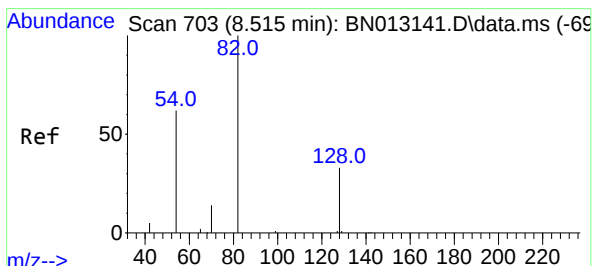
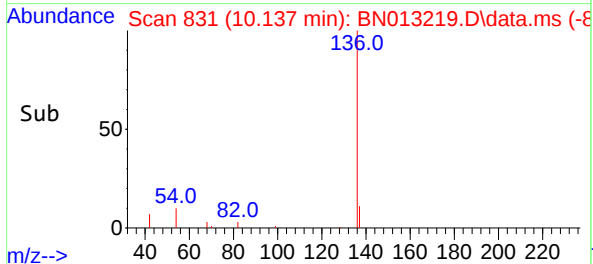
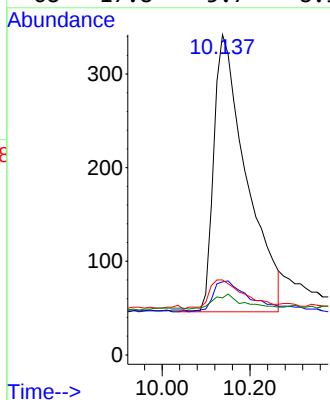
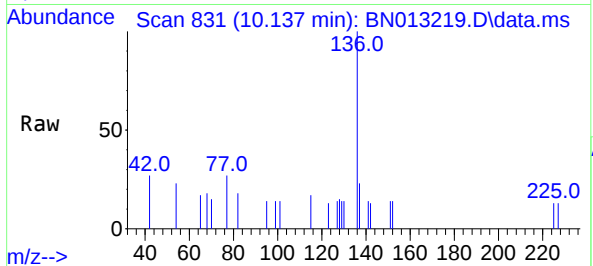




#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.137 min Scan# 831  
Delta R.T. 0.025 min  
Lab File: BN013219.D  
Acq: 18 Dec 2020 21:29

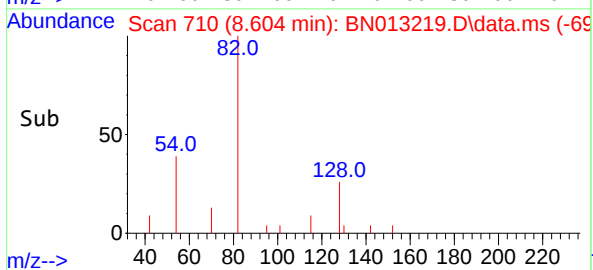
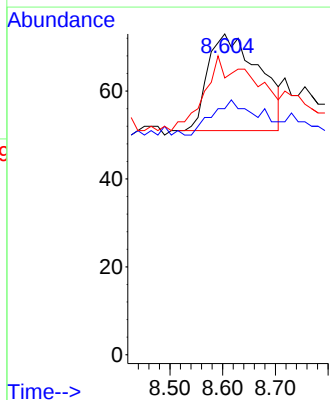
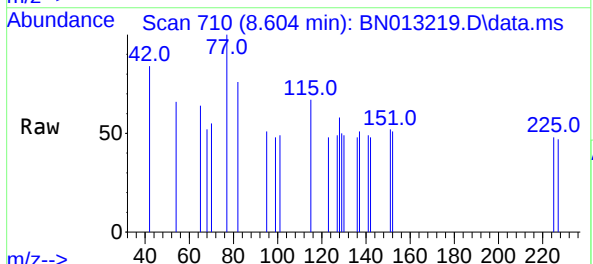
Instrument :  
BNA\_N  
ClientSampleId :  
RE120D1-20201210DL

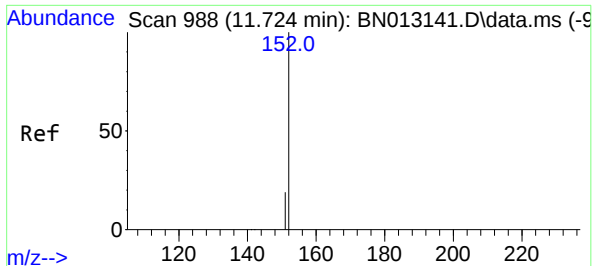
|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 136  | Resp: | 1520  |
| Ion Ratio | 100  | Lower | Upper |
| 136       | 100  |       |       |
| 137       | 22.8 | 10.6  | 15.8# |
| 54        | 23.4 | 8.6   | 12.8# |
| 68        | 17.8 | 5.7   | 8.5#  |



#8  
Nitrobenzene-d5  
Concen: 0.09 ng  
RT: 8.604 min Scan# 710  
Delta R.T. 0.076 min  
Lab File: BN013219.D  
Acq: 18 Dec 2020 21:29

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 82   | Resp: | 149   |
| Ion Ratio | 100  | Lower | Upper |
| 82        | 100  |       |       |
| 128       | 76.7 | 30.6  | 46.0# |
| 54        | 86.3 | 48.3  | 72.5# |

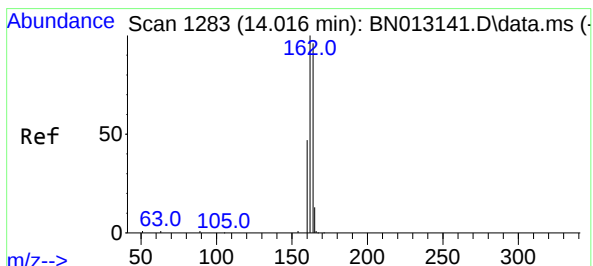
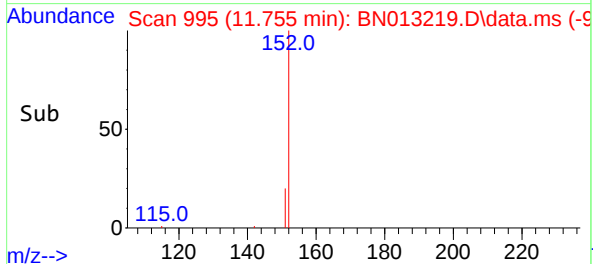
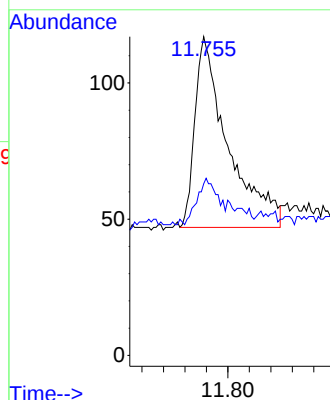
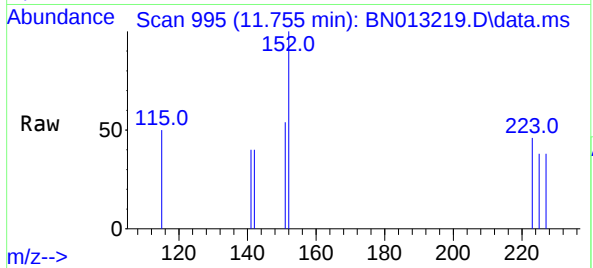




#11  
2-Methylnaphthalene-d10  
Concen: 0.11 ng  
RT: 11.755 min Scan# 995  
Delta R.T. 0.031 min  
Lab File: BN013219.D  
Acq: 18 Dec 2020 21:29

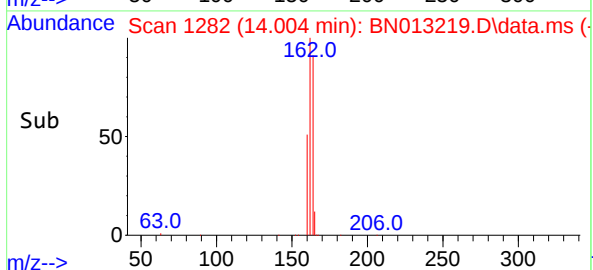
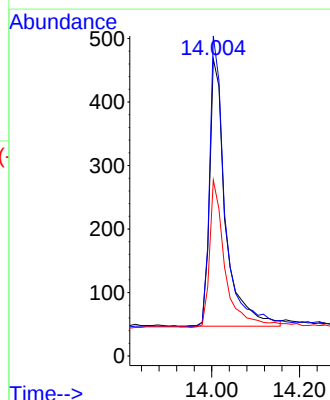
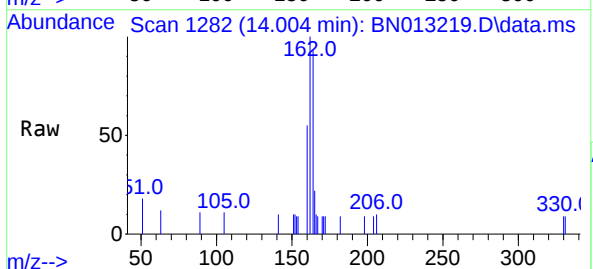
Instrument :  
BNA\_N  
ClientSampleId :  
RE120D1-20201210DL

Tgt Ion:152 Resp: 299  
Ion Ratio Lower Upper  
152 100  
151 15.1 16.7 25.1#



#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.004 min Scan# 1282  
Delta R.T. -0.000 min  
Lab File: BN013219.D  
Acq: 18 Dec 2020 21:29

Tgt Ion:164 Resp: 1061  
Ion Ratio Lower Upper  
164 100  
162 107.7 80.6 120.8  
160 59.2 39.5 59.3

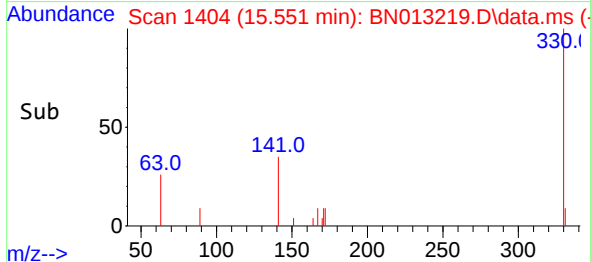
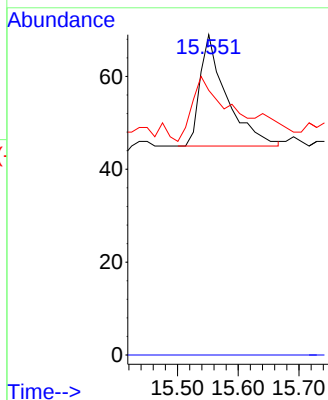
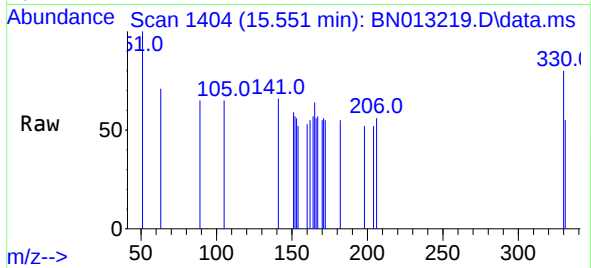




#14  
2,4,6-Tribromophenol  
Concen: 0.11 ng  
RT: 15.551 min Scan# 1404  
Delta R.T. 0.013 min  
Lab File: BN013219.D  
Acq: 18 Dec 2020 21:29

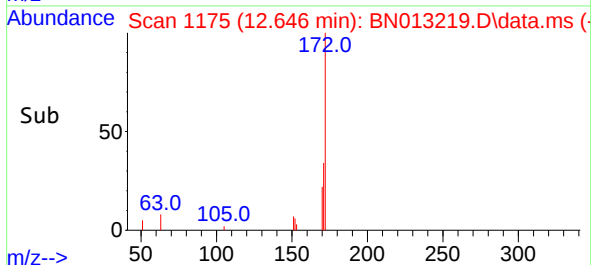
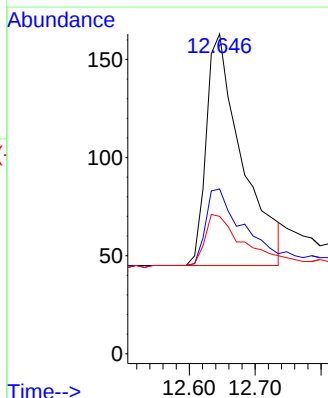
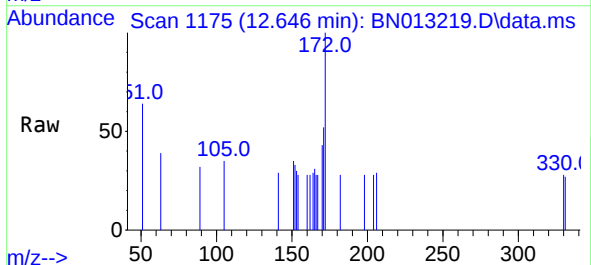
Instrument :  
BNA\_N  
ClientSampleId :  
RE120D1-20201210DL

Tgt Ion:330 Resp: 73  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 80.8 34.4 51.6#



#15  
2-Fluorobiphenyl  
Concen: 0.10 ng  
RT: 12.646 min Scan# 1175  
Delta R.T. 0.013 min  
Lab File: BN013219.D  
Acq: 18 Dec 2020 21:29

Tgt Ion:172 Resp: 444  
Ion Ratio Lower Upper  
172 100  
171 51.5 28.2 42.4#  
170 42.9 20.0 30.0#

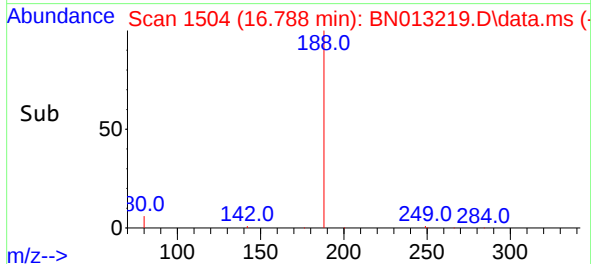
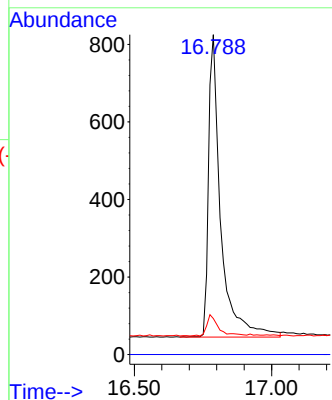
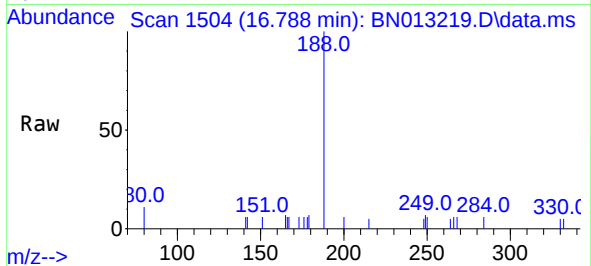




#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 16.788 min Scan# 1504  
Delta R.T. 0.012 min  
Lab File: BN013219.D  
Acq: 18 Dec 2020 21:29

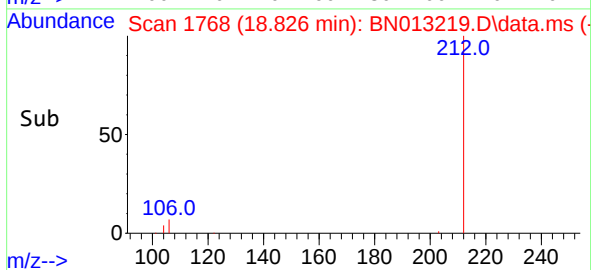
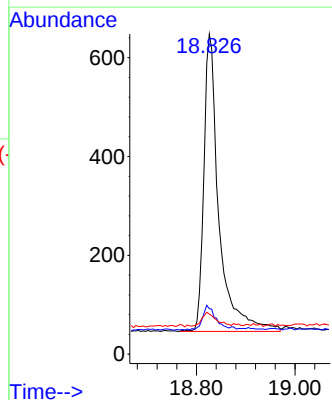
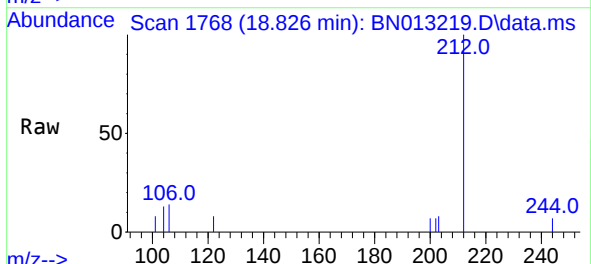
Instrument :  
BNA\_N  
ClientSampleId :  
RE120D1-20201210DL

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:188 | Resp: | 2399  |
| Ion Ratio   | Lower | Upper |
| 188         | 100   |       |
| 94          | 0.0   | 0.0   |
| 80          | 11.3  | 5.0   |



#27  
Fluoranthene-d10  
Concen: 0.16 ng  
RT: 18.826 min Scan# 1768  
Delta R.T. 0.005 min  
Lab File: BN013219.D  
Acq: 18 Dec 2020 21:29

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:212 | Resp: | 1275  |
| Ion Ratio   | Lower | Upper |
| 212         | 100   |       |
| 106         | 7.1   | 6.8   |
| 104         | 4.2   | 4.1   |

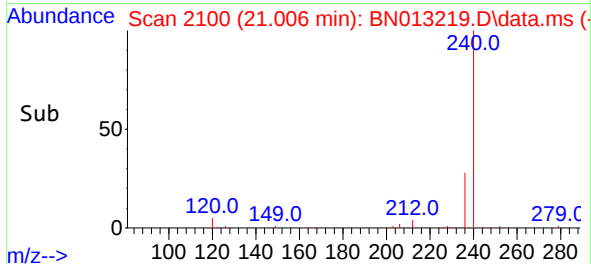
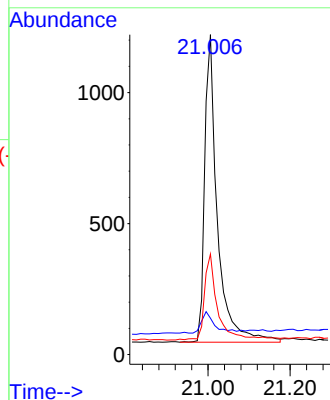
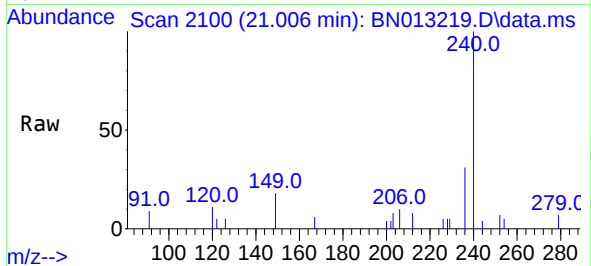




#29  
Chrysene-d12  
Concen: 0.40 ng  
RT: 21.006 min Scan# 2100  
Delta R.T. -0.000 min  
Lab File: BN013219.D  
Acq: 18 Dec 2020 21:29

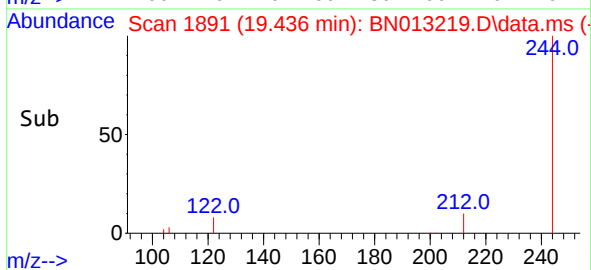
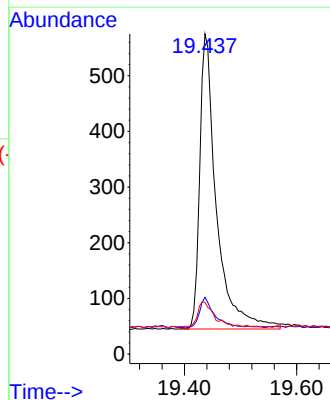
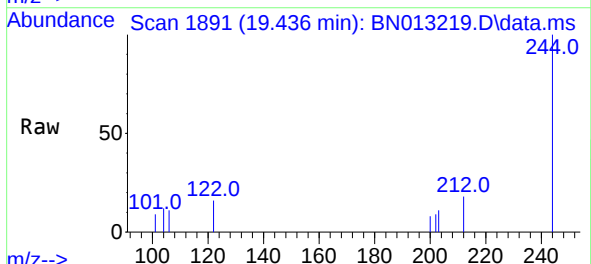
Instrument :  
BNA\_N  
ClientSampleId :  
RE120D1-20201210DL

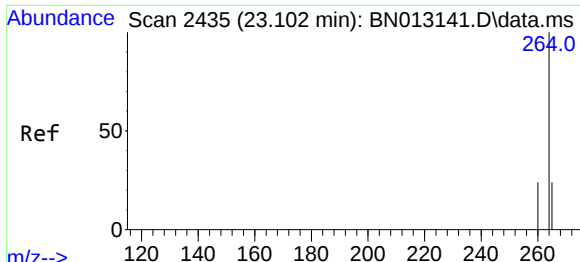
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 240   | Resp: | 2526 |
| Ion Ratio | Lower | Upper |      |
| 240       | 100   |       |      |
| 120       | 11.4  | 5.3   | 7.9# |
| 236       | 31.4  | 21.8  | 32.8 |



#31  
Terphenyl-d14  
Concen: 0.17 ng  
RT: 19.436 min Scan# 1891  
Delta R.T. -0.010 min  
Lab File: BN013219.D  
Acq: 18 Dec 2020 21:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 244   | Resp: | 1092  |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 17.7  | 7.3   | 10.9# |
| 122       | 16.2  | 7.3   | 10.9# |





#36  
Perylene-d12  
Concen: 0.40 ng  
RT: 23.089 min Scan# 2431  
Delta R.T. -0.007 min  
Lab File: BN013219.D  
Acq: 18 Dec 2020 21:29

Instrument :  
BNA\_N  
ClientSampleId :  
RE120D1-20201210DL

Tgt Ion:264 Resp: 2827

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 26.8  | 19.8  | 29.6  |
| 265 | 82.3  | 51.4  | 77.0# |

