

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121820\  
 Data File : BN013218.D  
 Acq On : 18 Dec 2020 20:54  
 Operator : CG/JU  
 Sample : L5053-16DL 2X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE125D2-20201210DL

Quant Time: Dec 19 01:11:59 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

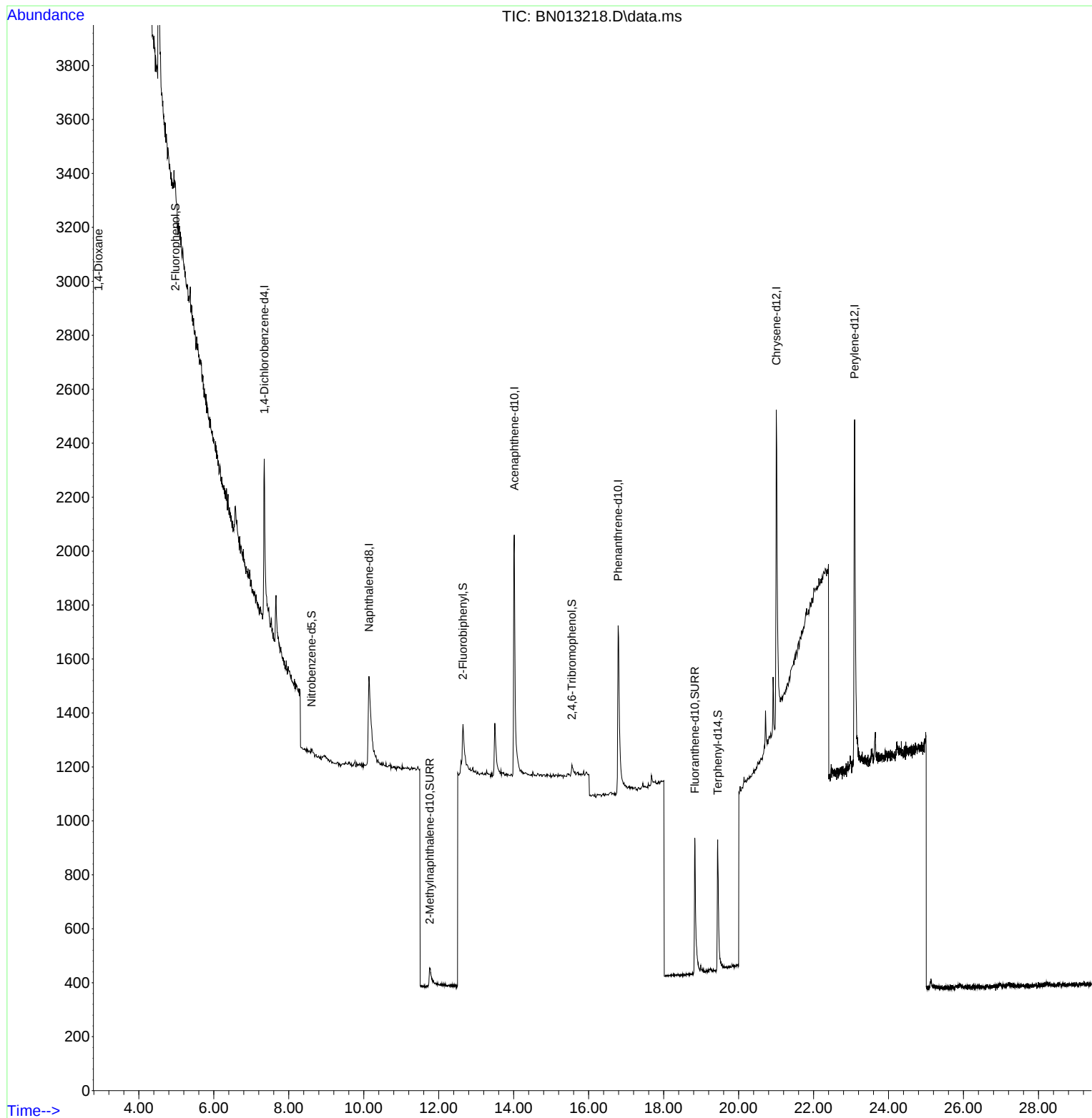
| Compound                    | R.T.   | QIon | Response | Conc | Units | Dev(Min)     |
|-----------------------------|--------|------|----------|------|-------|--------------|
| -----                       |        |      |          |      |       |              |
| Internal Standards          |        |      |          |      |       |              |
| 1) 1,4-Dichlorobenzene-d4   | 7.346  | 152  | 559      | 0.40 | ng    | 0.00         |
| 7) Naphthalene-d8           | 10.137 | 136  | 1237     | 0.40 | ng    | # 0.03       |
| 13) Acenaphthene-d10        | 14.016 | 164  | 906      | 0.40 | ng    | 0.01         |
| 19) Phenanthrene-d10        | 16.788 | 188  | 2047     | 0.40 | ng    | # 0.01       |
| 29) Chrysene-d12            | 21.006 | 240  | 2133     | 0.40 | ng    | # 0.00       |
| 36) Perylene-d12            | 23.092 | 264  | 2336     | 0.40 | ng    | # 0.00       |
| System Monitoring Compounds |        |      |          |      |       |              |
| 4) 2-Fluorophenol           | 4.978  | 112  | 95       | 0.04 | ng    | 0.02         |
| 5) Phenol-d6                | 6.557  | 99   | 38       | 0.02 | ng    | 0.00         |
| 8) Nitrobenzene-d5          | 8.604  | 82   | 70       | 0.05 | ng    | 0.08         |
| 11) 2-Methylnaphthalene-d10 | 11.764 | 152  | 259      | 0.12 | ng    | 0.04         |
| 14) 2,4,6-Tribromophenol    | 15.551 | 330  | 62       | 0.11 | ng    | 0.01         |
| 15) 2-Fluorobiphenyl        | 12.646 | 172  | 391      | 0.10 | ng    | 0.01         |
| 27) Fluoranthene-d10        | 18.831 | 212  | 1104     | 0.16 | ng    | 0.00         |
| 31) Terphenyl-d14           | 19.442 | 244  | 953      | 0.18 | ng    | 0.00         |
| Target Compounds            |        |      |          |      |       |              |
| 2) 1,4-Dioxane              | 2.925  | 88   | 2863     | 2.94 | ng    | Qvalue<br>96 |
| -----                       |        |      |          |      |       |              |

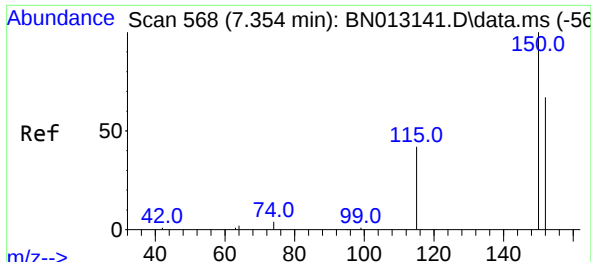
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121820\  
Data File : BN013218.D  
Acq On : 18 Dec 2020 20:54  
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Sample : L5053-16DL 2X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
RE125D2-20201210DL

Quant Time: Dec 19 01:11:59 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN121620.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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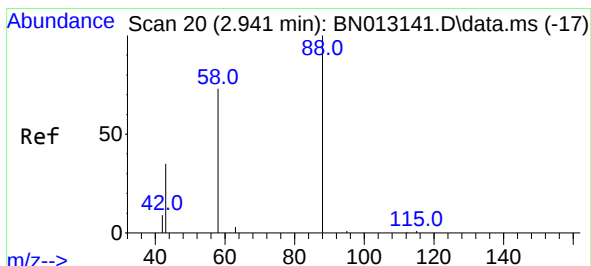
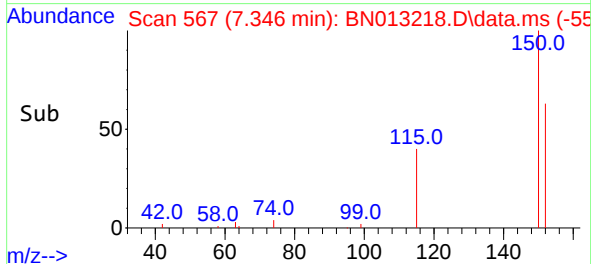
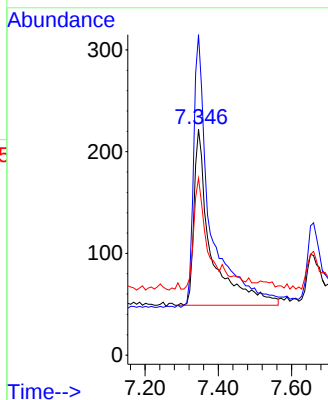
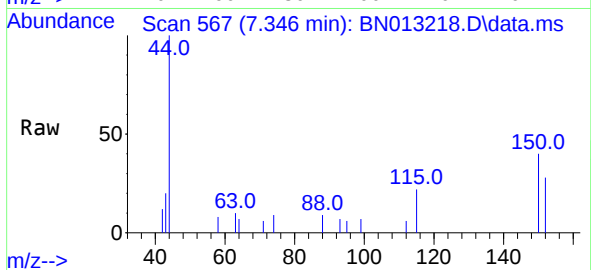




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.40 ng  
RT: 7.346 min Scan# 567  
Delta R.T. -0.000 min  
Lab File: BN013218.D  
Acq: 18 Dec 2020 20:54

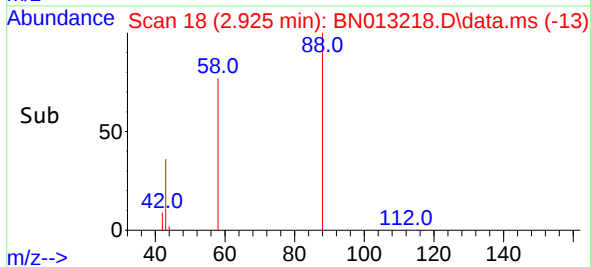
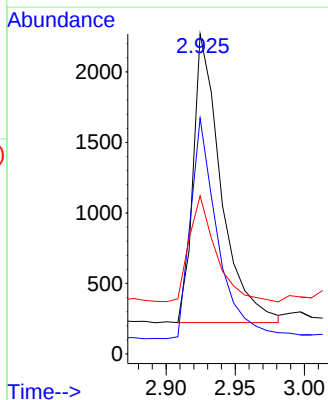
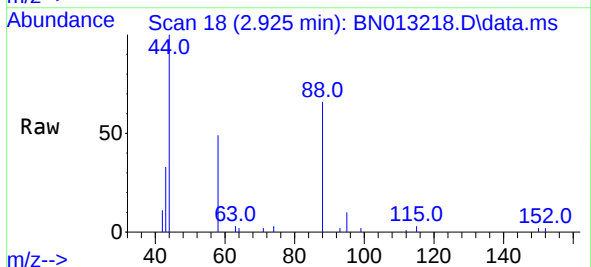
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BNA\_N  
ClientSampleId :  
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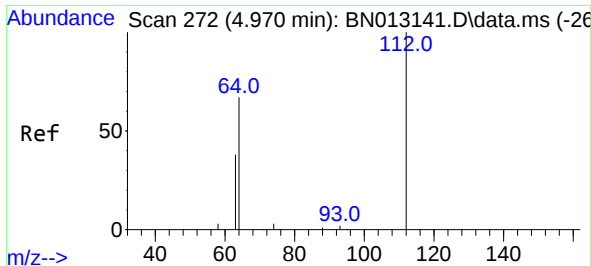
Tgt Ion:152 Resp: 559  
Ion Ratio Lower Upper  
152 100  
150 141.9 116.6 174.8  
115 78.4 52.9 79.3



#2  
1,4-Dioxane  
Concen: 2.94 ng  
RT: 2.925 min Scan# 18  
Delta R.T. -0.008 min  
Lab File: BN013218.D  
Acq: 18 Dec 2020 20:54

Tgt Ion: 88 Resp: 2863  
Ion Ratio Lower Upper  
88 100  
58 76.3 59.4 89.2  
43 35.5 32.3 48.5

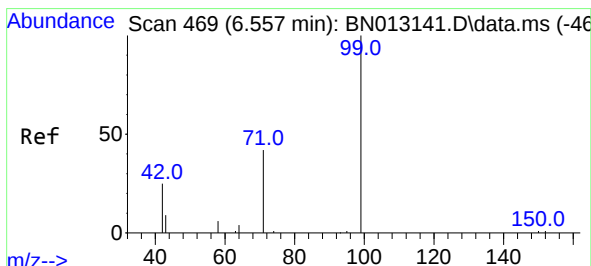
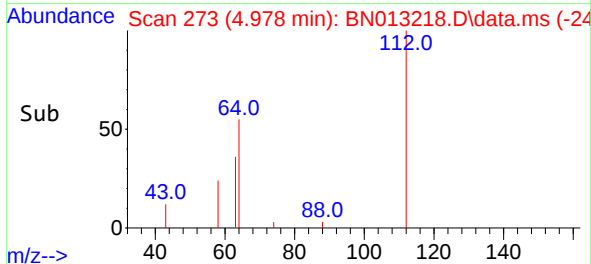
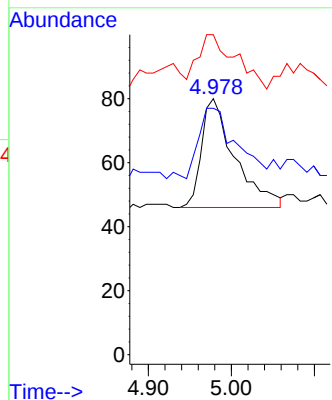
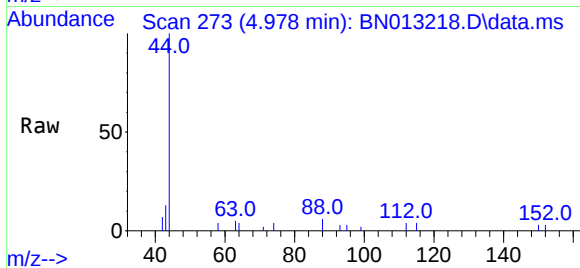




#4  
2-Fluorophenol  
Concen: 0.04 ng  
RT: 4.978 min Scan# 273  
Delta R.T. 0.016 min  
Lab File: BN013218.D  
Acq: 18 Dec 2020 20:54

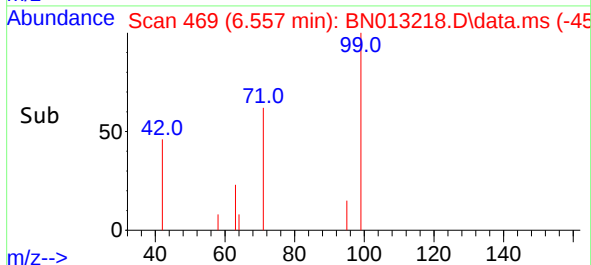
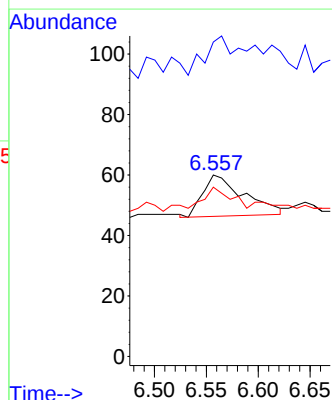
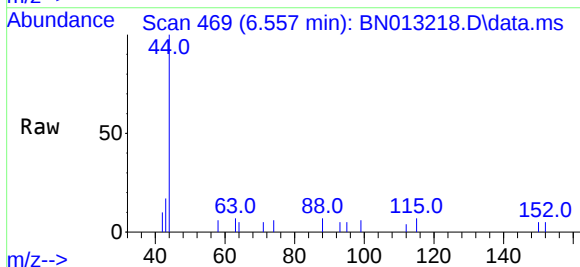
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ClientSampleId :  
RE125D2-20201210DL

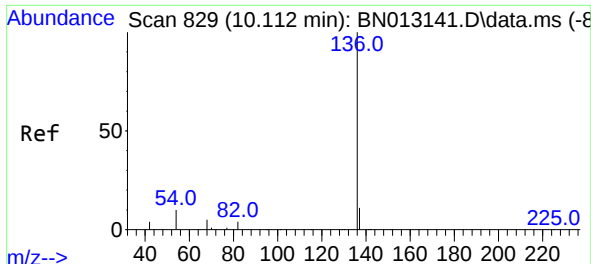
Tgt Ion:112 Resp: 95  
Ion Ratio Lower Upper  
112 100  
64 68.4 49.5 74.3  
63 55.8 32.0 48.0#



#5  
Phenol-d6  
Concen: 0.02 ng  
RT: 6.557 min Scan# 469  
Delta R.T. 0.008 min  
Lab File: BN013218.D  
Acq: 18 Dec 2020 20:54

Tgt Ion: 99 Resp: 38  
Ion Ratio Lower Upper  
99 100  
42 76.3 22.4 33.6#  
71 44.7 37.8 56.6



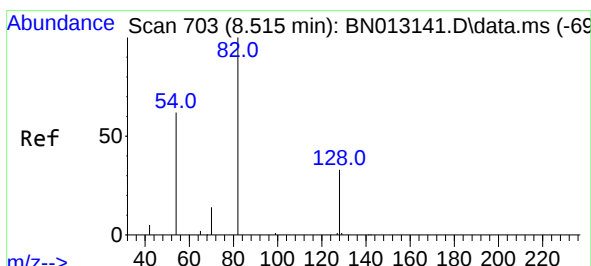
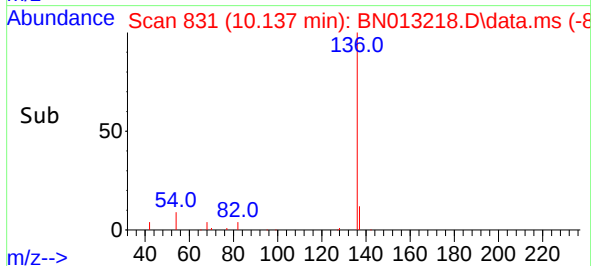
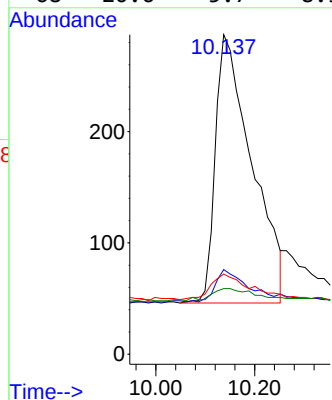
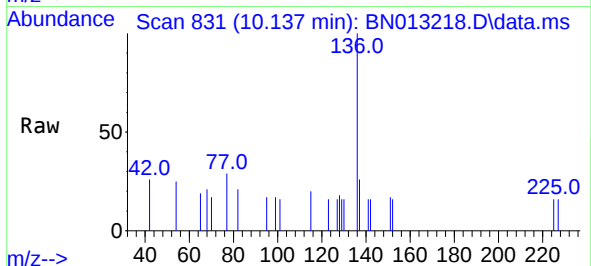


#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.137 min Scan# 831  
Delta R.T. 0.025 min  
Lab File: BN013218.D  
Acq: 18 Dec 2020 20:54

Instrument :  
BNA\_N  
ClientSampleId :  
RE125D2-20201210DL

Tgt Ion: 136 Resp: 1237

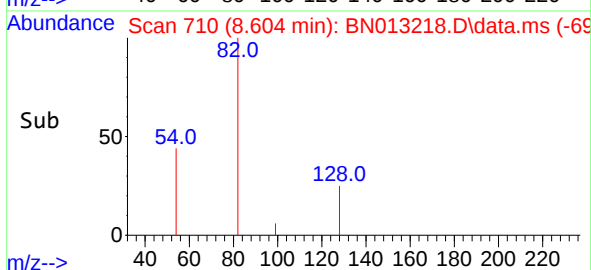
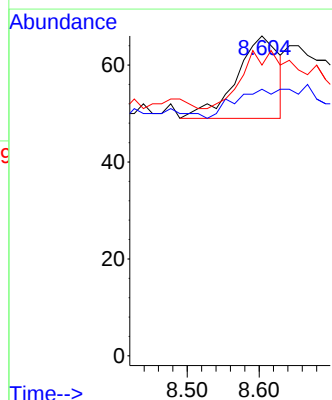
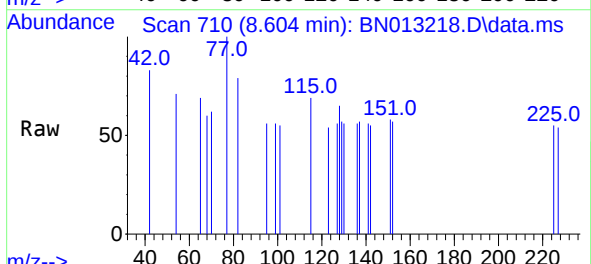
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 26.5  | 10.6  | 15.8# |
| 54  | 25.1  | 8.6   | 12.8# |
| 68  | 20.6  | 5.7   | 8.5#  |

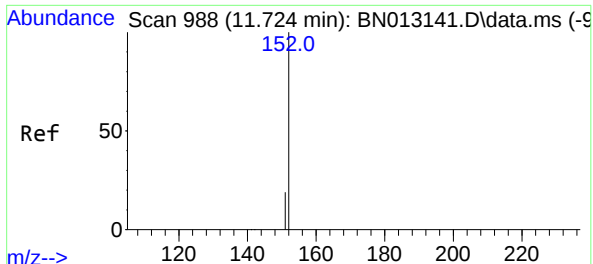


#8  
Nitrobenzene-d5  
Concen: 0.05 ng  
RT: 8.604 min Scan# 710  
Delta R.T. 0.076 min  
Lab File: BN013218.D  
Acq: 18 Dec 2020 20:54

Tgt Ion: 82 Resp: 70

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 83.3  | 30.6  | 46.0# |
| 54  | 90.9  | 48.3  | 72.5# |

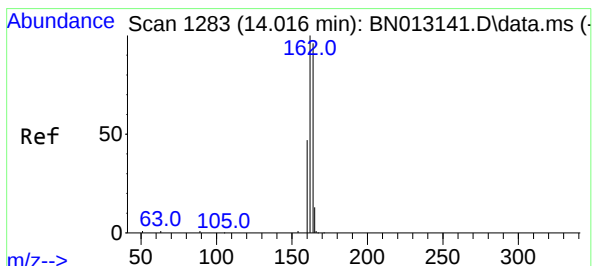
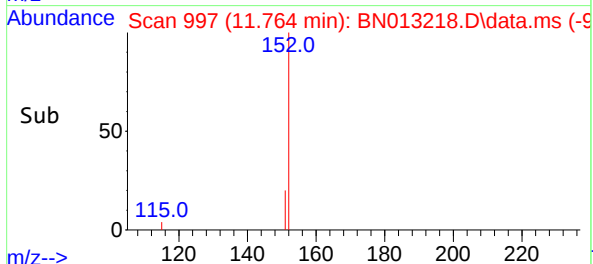
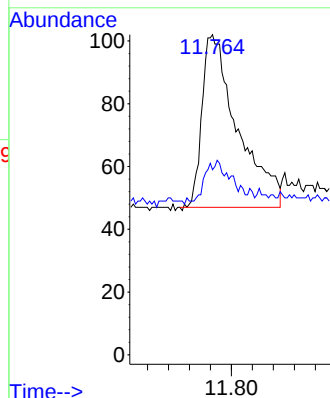
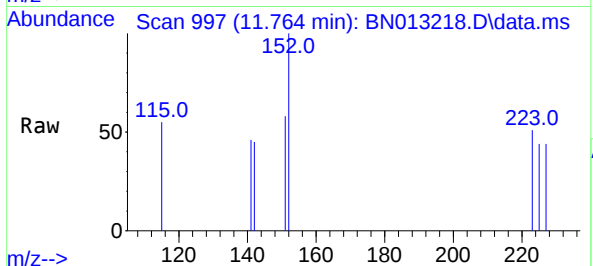




#11  
2-Methylnaphthalene-d10  
Concen: 0.12 ng  
RT: 11.764 min Scan# 997  
Delta R.T. 0.040 min  
Lab File: BN013218.D  
Acq: 18 Dec 2020 20:54

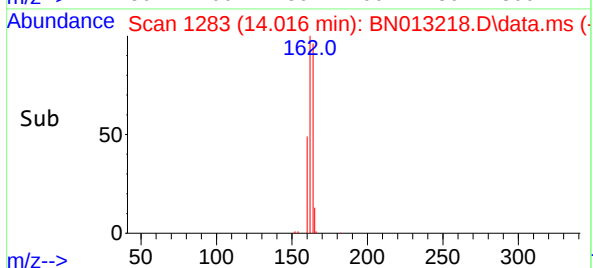
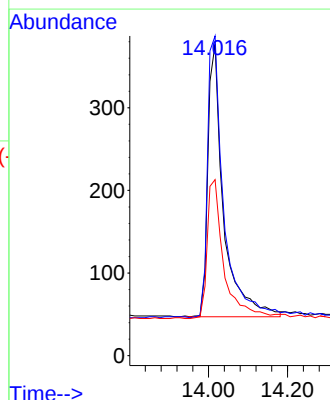
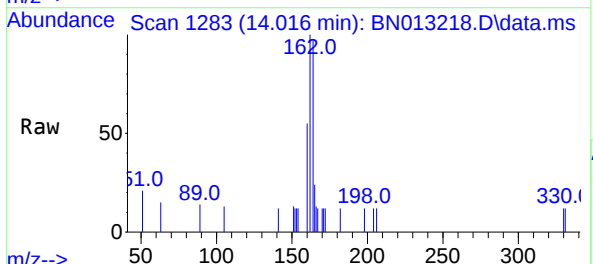
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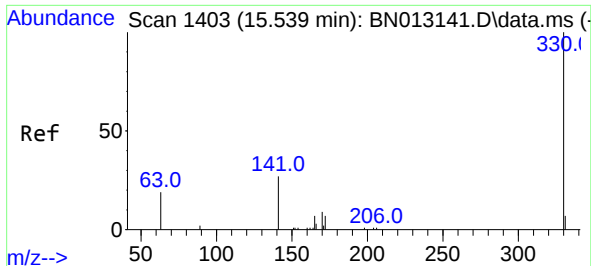
Tgt Ion:152 Resp: 259  
Ion Ratio Lower Upper  
152 100  
151 5.4 16.7 25.1#



#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.016 min Scan# 1283  
Delta R.T. 0.013 min  
Lab File: BN013218.D  
Acq: 18 Dec 2020 20:54

Tgt Ion:164 Resp: 906  
Ion Ratio Lower Upper  
164 100  
162 102.7 80.6 120.8  
160 56.5 39.5 59.3

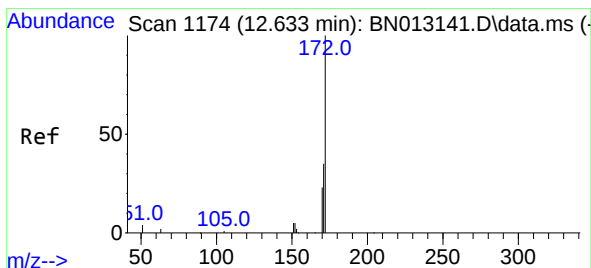
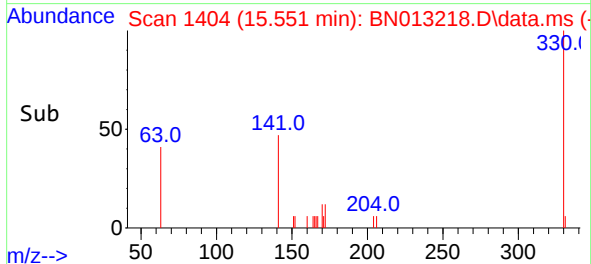
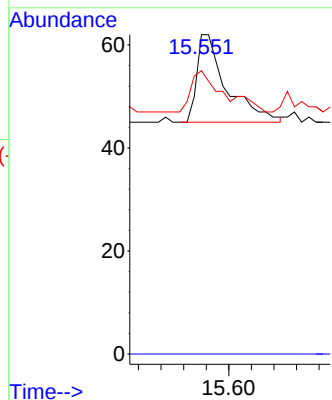
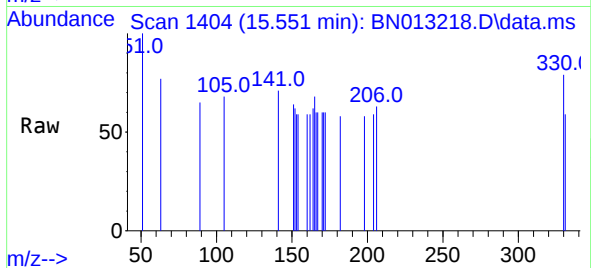




#14  
2,4,6-Tribromophenol  
Concen: 0.11 ng  
RT: 15.551 min Scan# 1404  
Delta R.T. 0.013 min  
Lab File: BN013218.D  
Acq: 18 Dec 2020 20:54

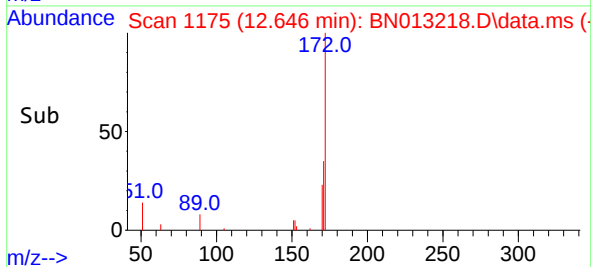
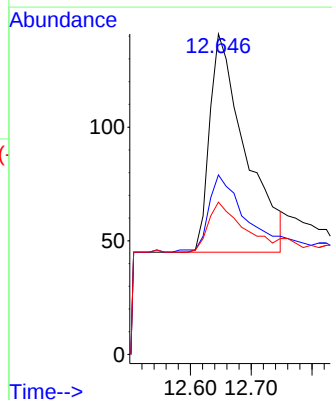
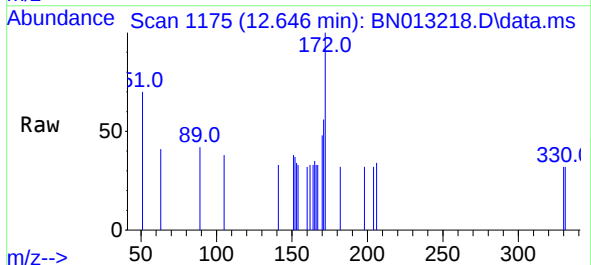
Instrument :  
BNA\_N  
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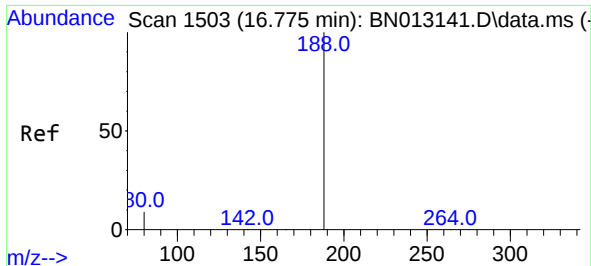
Tgt Ion:330 Resp: 62  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 51.6 34.4 51.6#



#15  
2-Fluorobiphenyl  
Concen: 0.10 ng  
RT: 12.646 min Scan# 1175  
Delta R.T. 0.013 min  
Lab File: BN013218.D  
Acq: 18 Dec 2020 20:54

Tgt Ion:172 Resp: 391  
Ion Ratio Lower Upper  
172 100  
171 56.0 28.2 42.4#  
170 47.5 20.0 30.0#

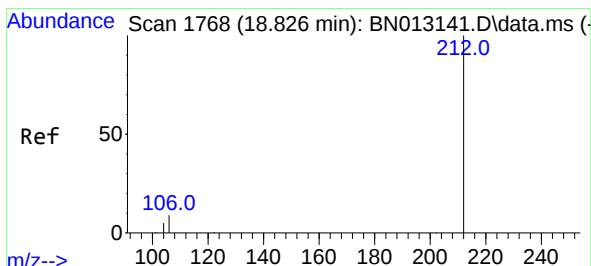
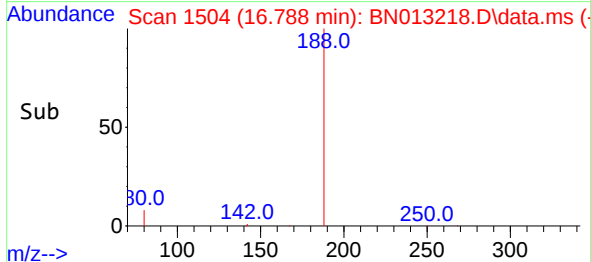
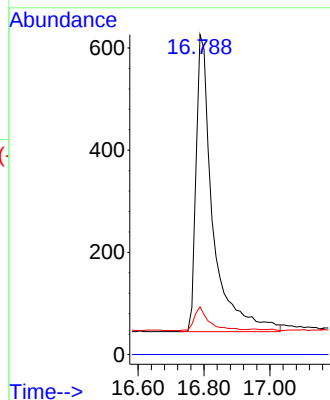
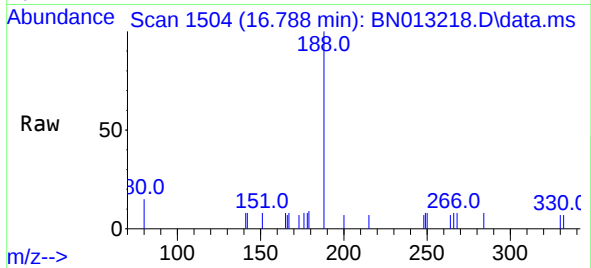




#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 16.788 min Scan# 1504  
Delta R.T. 0.012 min  
Lab File: BN013218.D  
Acq: 18 Dec 2020 20:54

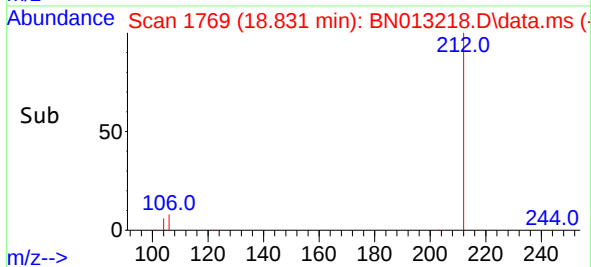
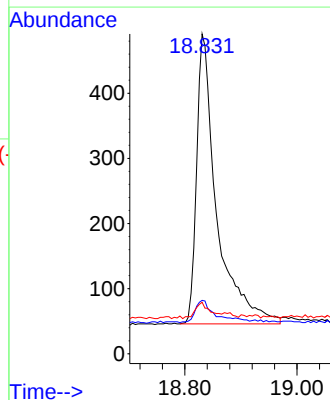
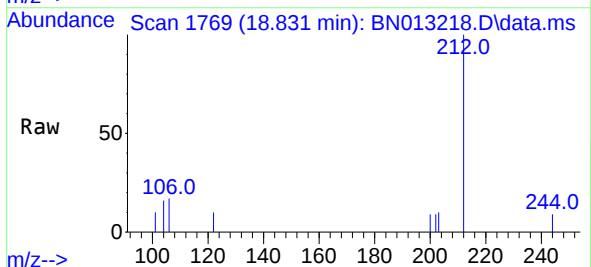
Instrument :  
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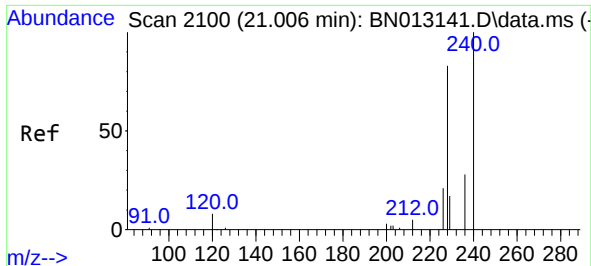
|             |       |       |
|-------------|-------|-------|
| Tgt Ion:188 | Resp: | 2047  |
| Ion Ratio   | Lower | Upper |
| 188         | 100   |       |
| 94          | 0.0   | 0.0   |
| 80          | 14.9  | 5.0   |



#27  
Fluoranthene-d10  
Concen: 0.16 ng  
RT: 18.831 min Scan# 1769  
Delta R.T. 0.010 min  
Lab File: BN013218.D  
Acq: 18 Dec 2020 20:54

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:212 | Resp: | 1104  |
| Ion Ratio   | Lower | Upper |
| 212         | 100   |       |
| 106         | 7.6   | 6.8   |
| 104         | 4.3   | 4.1   |

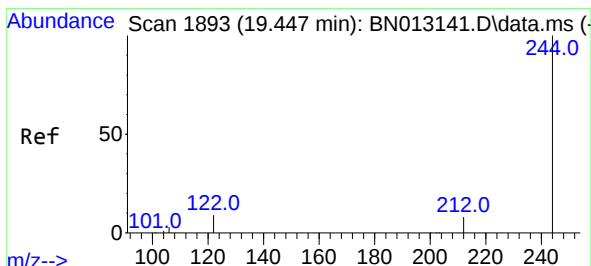
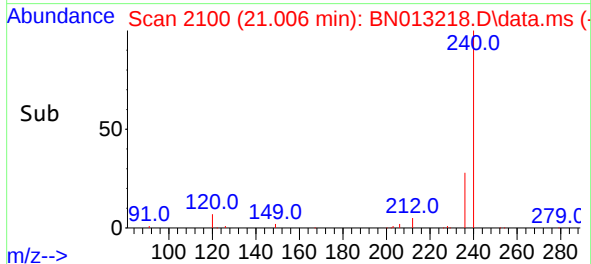
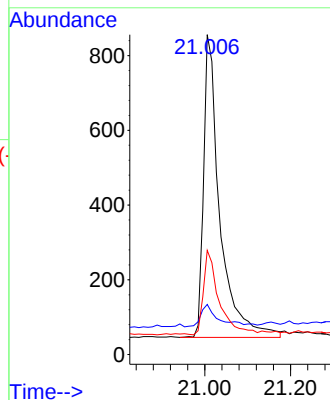
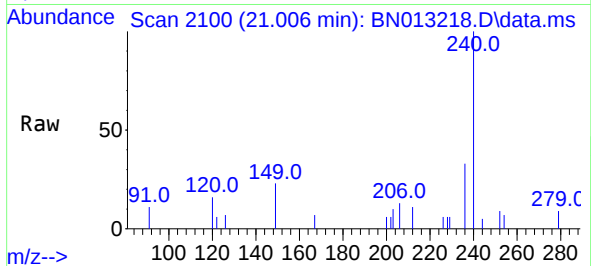




#29  
Chrysene-d12  
Concen: 0.40 ng  
RT: 21.006 min Scan# 2100  
Delta R.T. 0.000 min  
Lab File: BN013218.D  
Acq: 18 Dec 2020 20:54

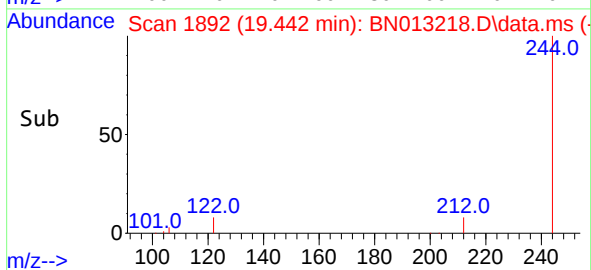
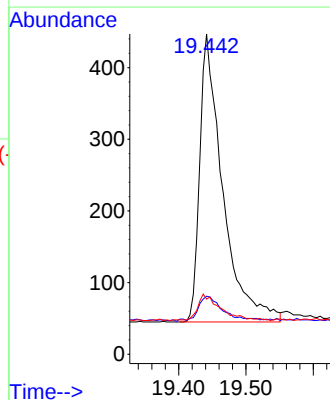
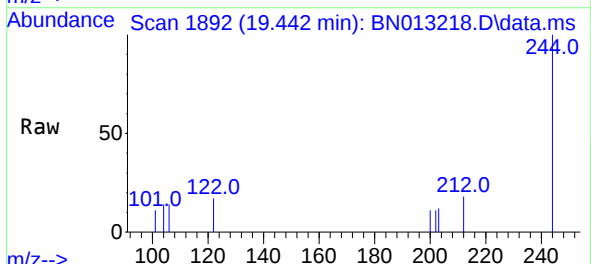
Instrument :  
BNA\_N  
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RE125D2-20201210DL

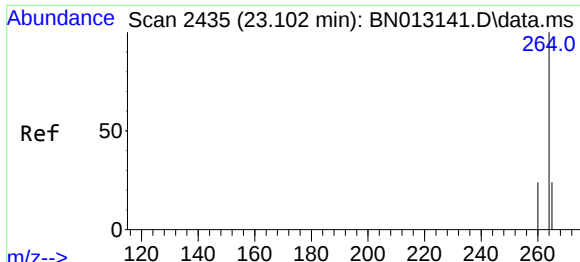
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Ion Ratio Lower Upper  
240 100  
120 15.7 5.3 7.9#  
236 32.6 21.8 32.8



#31  
Terphenyl-d14  
Concen: 0.18 ng  
RT: 19.442 min Scan# 1892  
Delta R.T. -0.005 min  
Lab File: BN013218.D  
Acq: 18 Dec 2020 20:54

Tgt Ion:244 Resp: 953  
Ion Ratio Lower Upper  
244 100  
212 18.1 7.3 10.9#  
122 17.2 7.3 10.9#





#36  
 Perylene-d12  
 Concen: 0.40 ng  
 RT: 23.092 min Scan# 2432  
 Delta R.T. -0.003 min  
 Lab File: BN013218.D  
 Acq: 18 Dec 2020 20:54

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE125D2-20201210DL

Tgt Ion:264 Resp: 2336

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 27.6  | 19.8  | 29.6  |
| 265 | 88.5  | 51.4  | 77.0# |

