

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121720\  
 Data File : BN013189.D  
 Acq On : 17 Dec 2020 17:01  
 Operator : CG/JU  
 Sample : L5053-12  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE126D2-20201209

Quant Time: Dec 17 17:36:46 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN121620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 17 12:34:52 2020  
 Response via : Initial Calibration

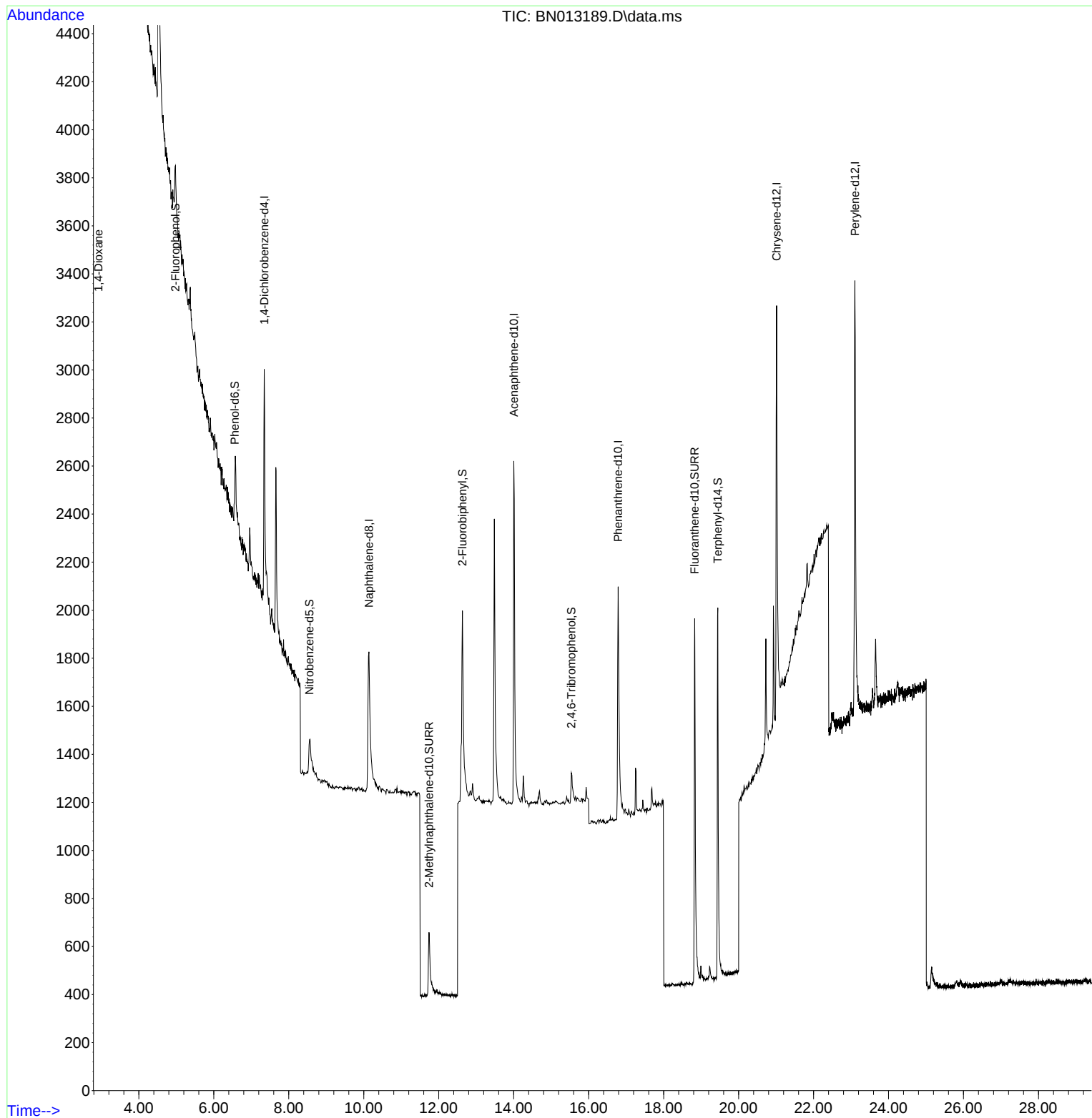
| Compound                    | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|--------|------|----------|------|-------|----------|
| -----                       |        |      |          |      |       |          |
| Internal Standards          |        |      |          |      |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.346  | 152  | 674      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8           | 10.137 | 136  | 1830     | 0.40 | ng    | # 0.03   |
| 13) Acenaphthene-d10        | 14.004 | 164  | 1209     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10        | 16.787 | 188  | 2552     | 0.40 | ng    | # 0.01   |
| 29) Chrysene-d12            | 21.014 | 240  | 2667     | 0.40 | ng    | # 0.00   |
| 36) Perylene-d12            | 23.103 | 264  | 3069     | 0.40 | ng    | # 0.00   |
|                             |        |      |          |      |       |          |
| System Monitoring Compounds |        |      |          |      |       |          |
| 4) 2-Fluorophenol           | 4.978  | 112  | 235      | 0.09 | ng    | 0.00     |
| 5) Phenol-d6                | 6.557  | 99   | 112      | 0.04 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.553  | 82   | 430      | 0.23 | ng    | 0.04     |
| 11) 2-Methylnaphthalene-d10 | 11.742 | 152  | 780      | 0.24 | ng    | 0.01     |
| 14) 2,4,6-Tribromophenol    | 15.539 | 330  | 171      | 0.22 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.633 | 172  | 1262     | 0.25 | ng    | 0.00     |
| 27) Fluoranthene-d10        | 18.828 | 212  | 2843     | 0.34 | ng    | 0.00     |
| 31) Terphenyl-d14           | 19.444 | 244  | 2456     | 0.36 | ng    | 0.00     |
|                             |        |      |          |      |       |          |
| Target Compounds            |        |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane              | 2.925  | 88   | 2773     | 2.36 | ng    | 96       |
| -----                       |        |      |          |      |       |          |

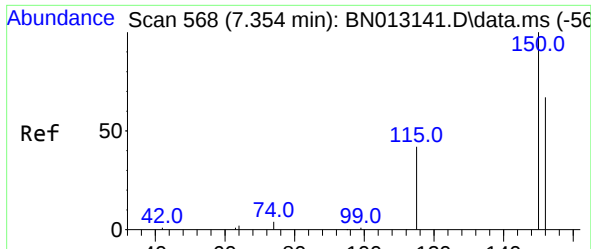
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121720\  
Data File : BN013189.D  
Acq On : 17 Dec 2020 17:01  
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Sample : L5053-12  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
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Quant Time: Dec 17 17:36:46 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN121620.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 17 12:34:52 2020  
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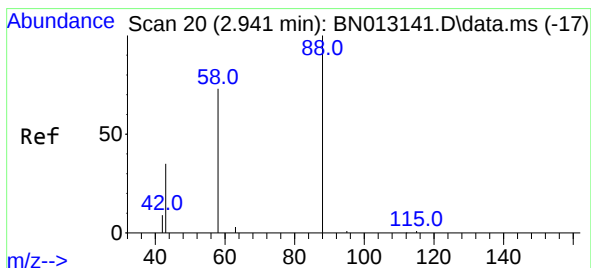
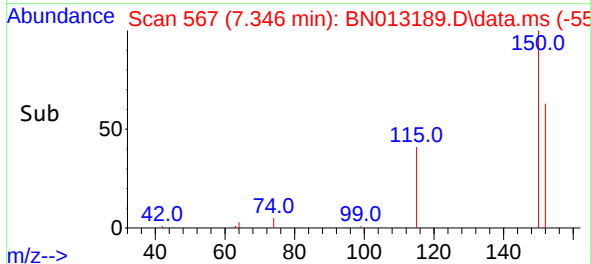
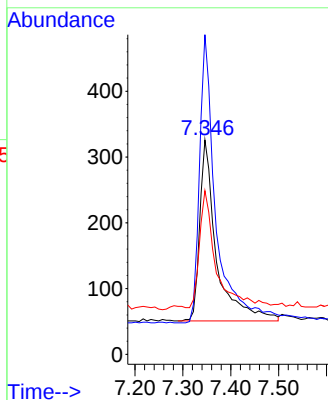
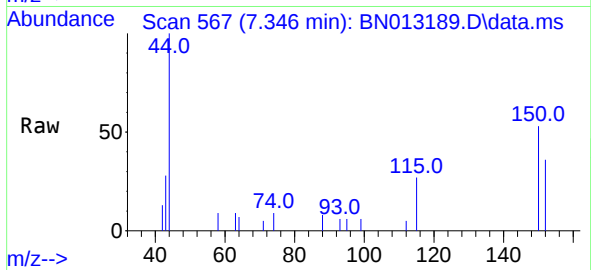




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.40 ng  
RT: 7.346 min Scan# 567  
Delta R.T. -0.000 min  
Lab File: BN013189.D  
Acq: 17 Dec 2020 17:01

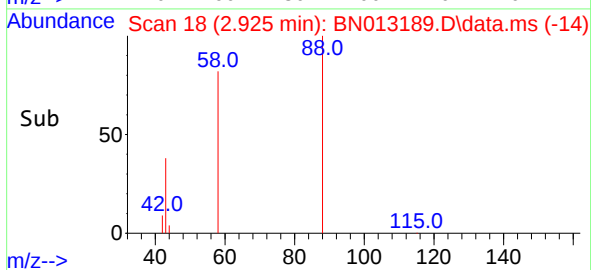
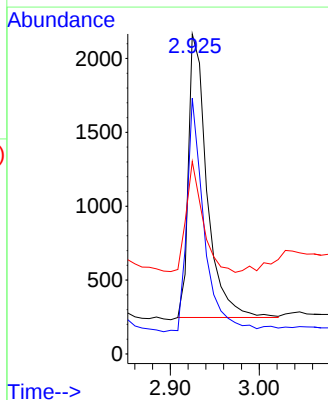
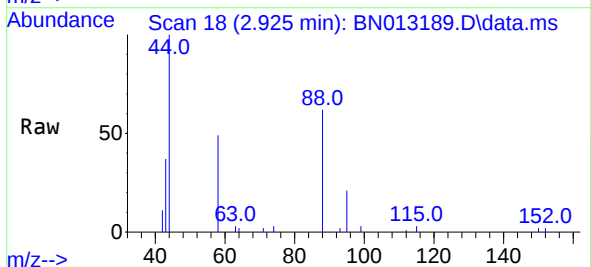
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BNA\_N  
ClientSampleId :  
RE126D2-20201209

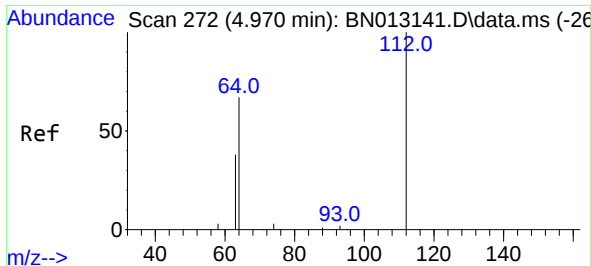
Tgt Ion:152 Resp: 674  
Ion Ratio Lower Upper  
152 100  
150 149.1 116.6 174.8  
115 76.4 52.9 79.3



#2  
1,4-Dioxane  
Concen: 2.36 ng  
RT: 2.925 min Scan# 18  
Delta R.T. -0.016 min  
Lab File: BN013189.D  
Acq: 17 Dec 2020 17:01

Tgt Ion: 88 Resp: 2773  
Ion Ratio Lower Upper  
88 100  
58 74.8 59.4 89.2  
43 34.3 32.3 48.5

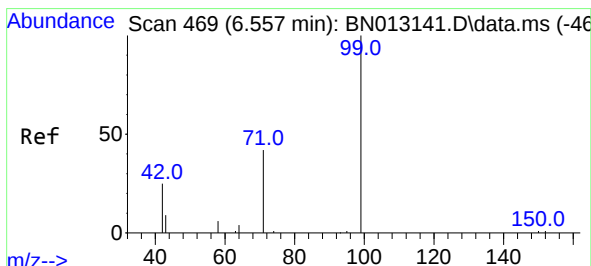
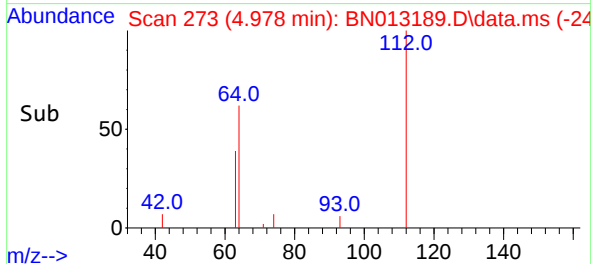
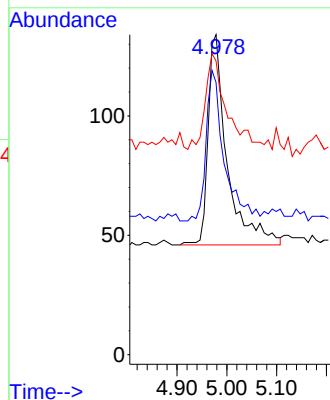
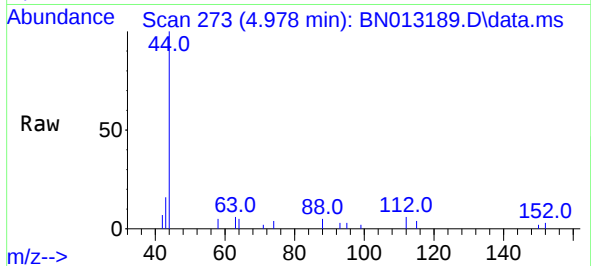




#4  
2-Fluorophenol  
Concen: 0.09 ng  
RT: 4.978 min Scan# 273  
Delta R.T. 0.008 min  
Lab File: BN013189.D  
Acq: 17 Dec 2020 17:01

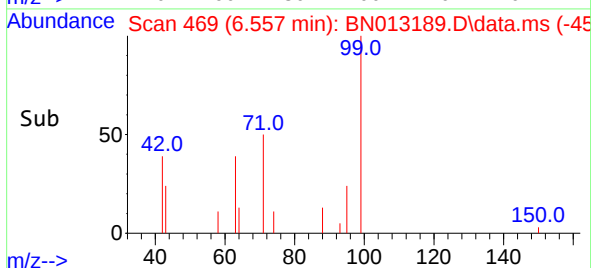
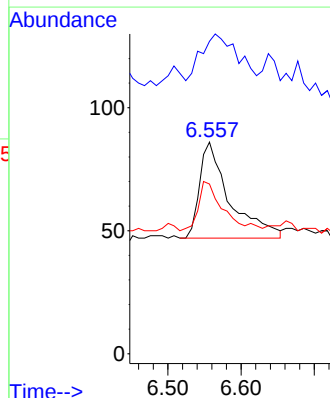
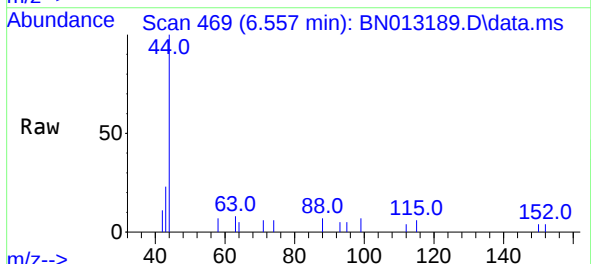
Instrument :  
BNA\_N  
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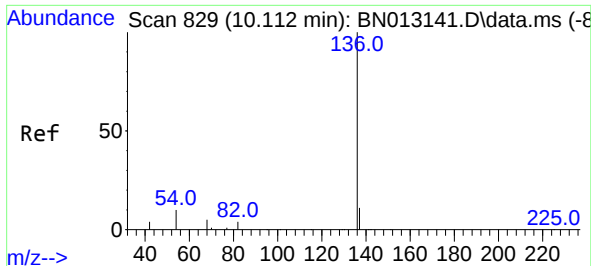
Tgt Ion:112 Resp: 235  
Ion Ratio Lower Upper  
112 100  
64 67.7 49.5 74.3  
63 56.2 32.0 48.0#



#5  
Phenol-d6  
Concen: 0.04 ng  
RT: 6.557 min Scan# 469  
Delta R.T. 0.008 min  
Lab File: BN013189.D  
Acq: 17 Dec 2020 17:01

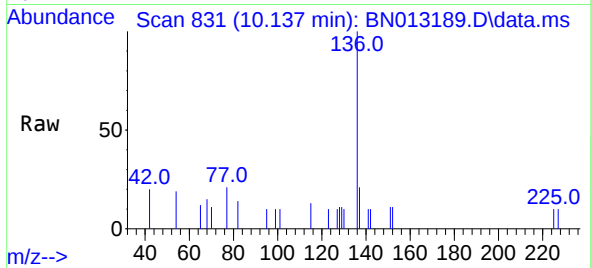
Tgt Ion: 99 Resp: 112  
Ion Ratio Lower Upper  
99 100  
42 64.3 22.4 33.6#  
71 44.6 37.8 56.6





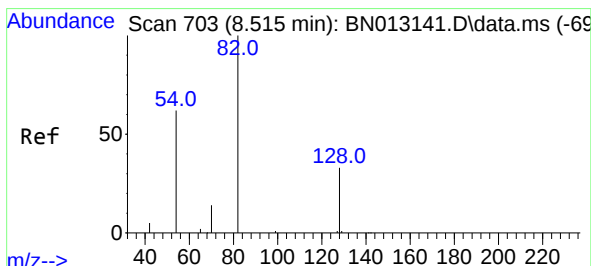
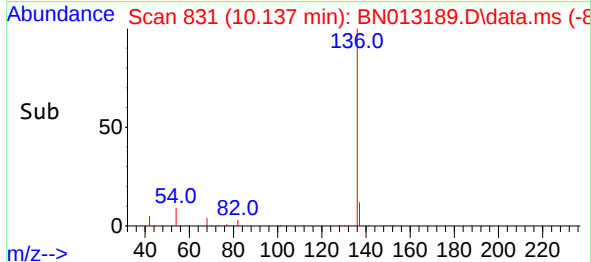
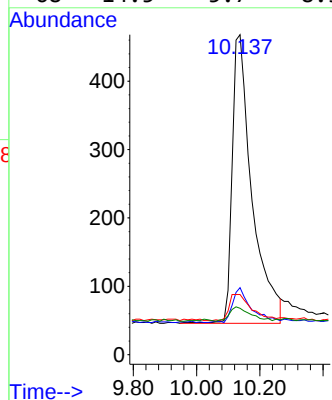
#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.137 min Scan# 831  
Delta R.T. 0.025 min  
Lab File: BN013189.D  
Acq: 17 Dec 2020 17:01

Instrument :  
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Tgt Ion: 136 Resp: 1830

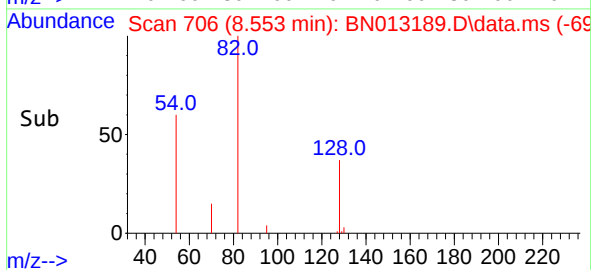
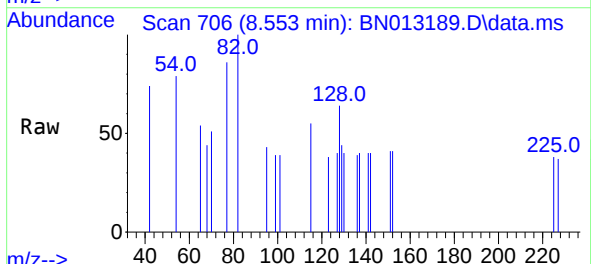
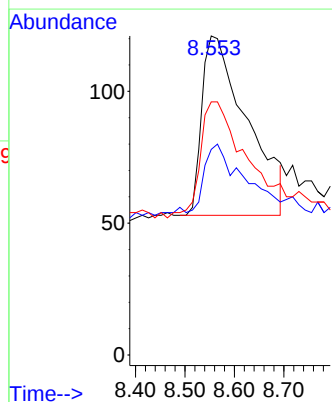
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 20.9  | 10.6  | 15.8# |
| 54  | 18.8  | 8.6   | 12.8# |
| 68  | 14.5  | 5.7   | 8.5#  |

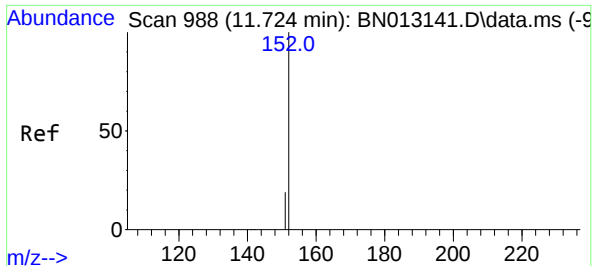


#8  
Nitrobenzene-d5  
Concen: 0.23 ng  
RT: 8.553 min Scan# 706  
Delta R.T. 0.038 min  
Lab File: BN013189.D  
Acq: 17 Dec 2020 17:01

Tgt Ion: 82 Resp: 430

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 64.5  | 30.6  | 46.0# |
| 54  | 79.3  | 48.3  | 72.5# |

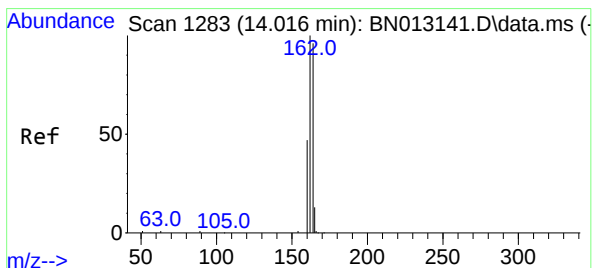
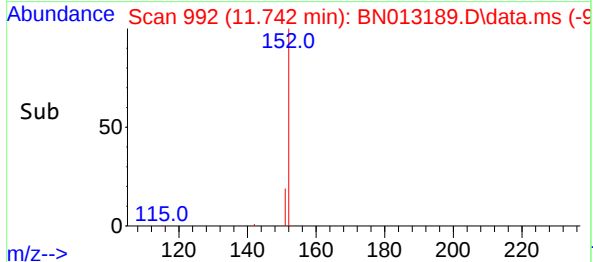
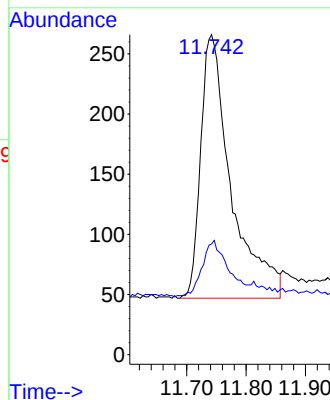
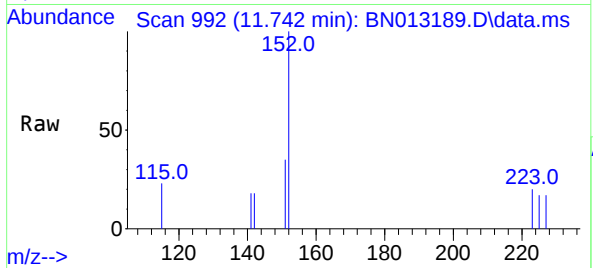




#11  
2-Methylnaphthalene-d10  
Concen: 0.24 ng  
RT: 11.742 min Scan# 992  
Delta R.T. 0.013 min  
Lab File: BN013189.D  
Acq: 17 Dec 2020 17:01

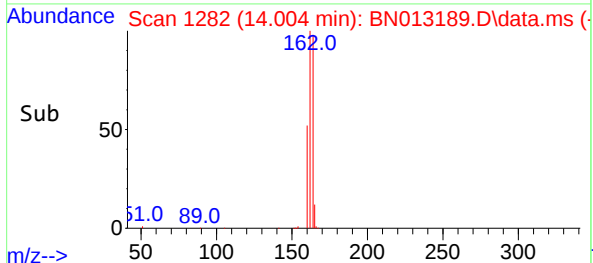
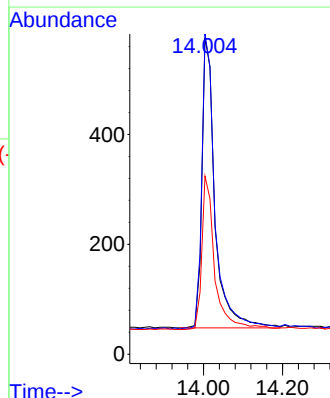
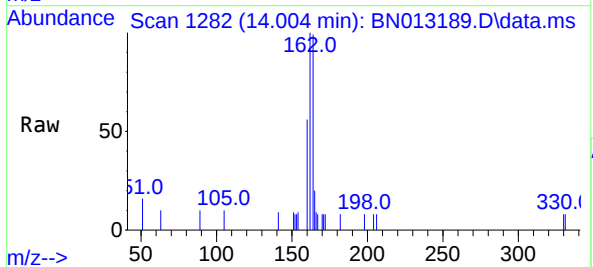
Instrument :  
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RE126D2-20201209

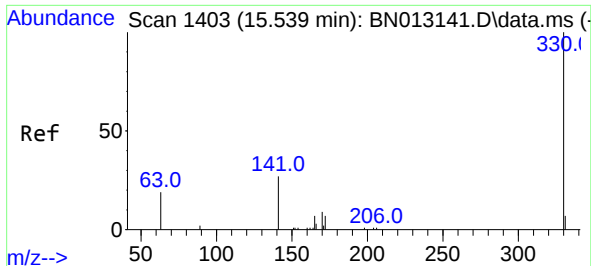
Tgt Ion:152 Resp: 780  
Ion Ratio Lower Upper  
152 100  
151 18.3 16.7 25.1



#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.004 min Scan# 1282  
Delta R.T. 0.000 min  
Lab File: BN013189.D  
Acq: 17 Dec 2020 17:01

Tgt Ion:164 Resp: 1209  
Ion Ratio Lower Upper  
164 100  
162 101.2 80.6 120.8  
160 56.3 39.5 59.3

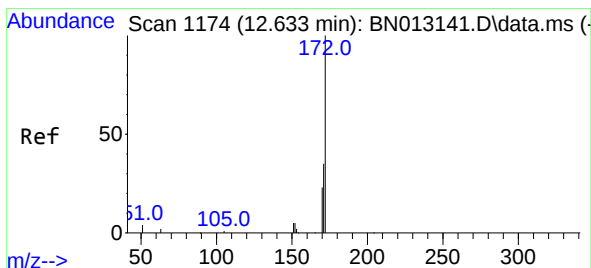
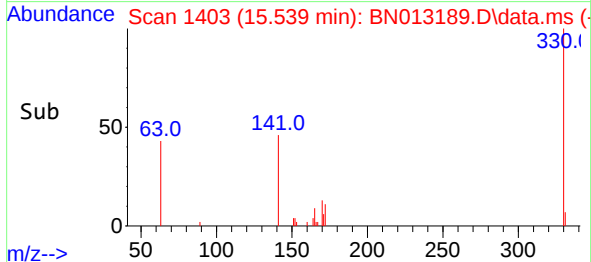
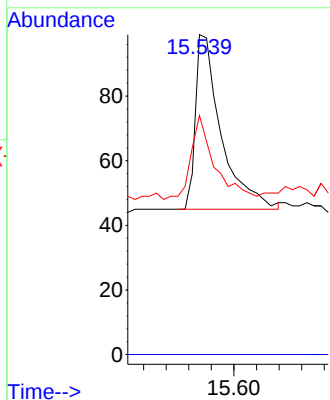
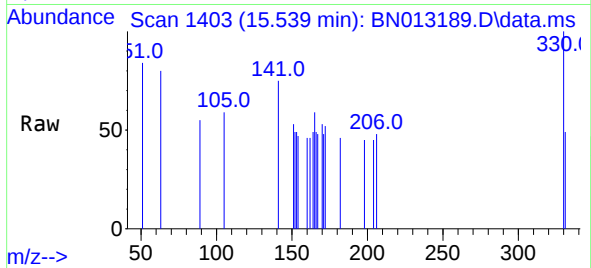




#14  
2,4,6-Tribromophenol  
Concen: 0.22 ng  
RT: 15.539 min Scan# 1403  
Delta R.T. 0.000 min  
Lab File: BN013189.D  
Acq: 17 Dec 2020 17:01

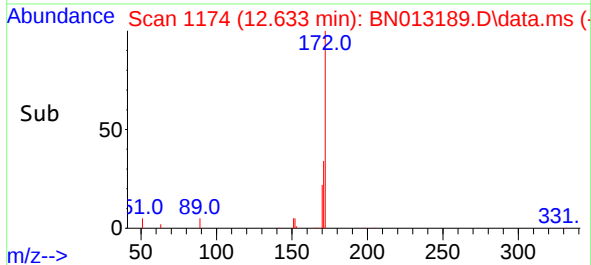
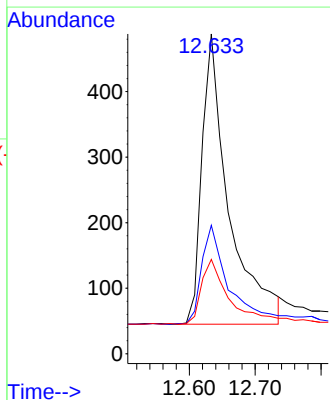
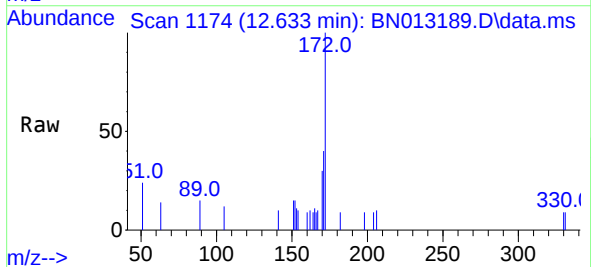
Instrument :  
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ClientSampleId :  
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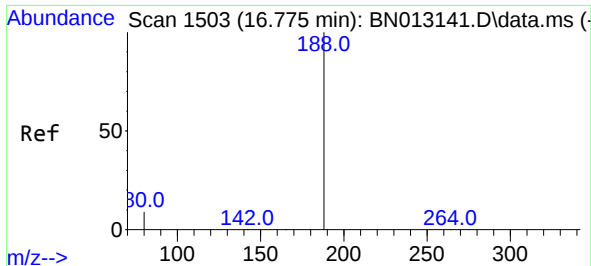
Tgt Ion:330 Resp: 171  
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330 100  
332 0.0 0.0 0.0  
141 43.9 34.4 51.6



#15  
2-Fluorobiphenyl  
Concen: 0.25 ng  
RT: 12.633 min Scan# 1174  
Delta R.T. 0.000 min  
Lab File: BN013189.D  
Acq: 17 Dec 2020 17:01

Tgt Ion:172 Resp: 1262  
Ion Ratio Lower Upper  
172 100  
171 40.2 28.2 42.4  
170 29.5 20.0 30.0

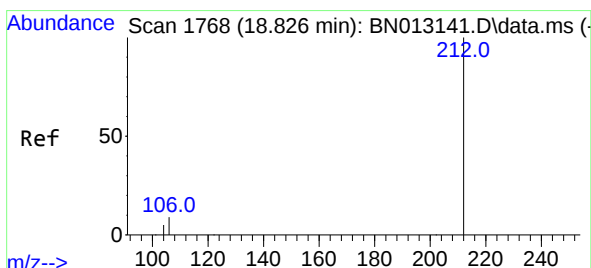
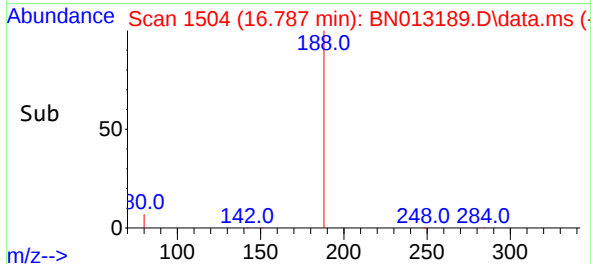
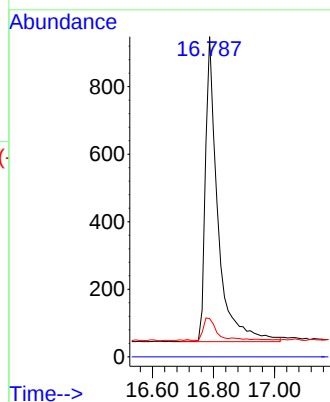
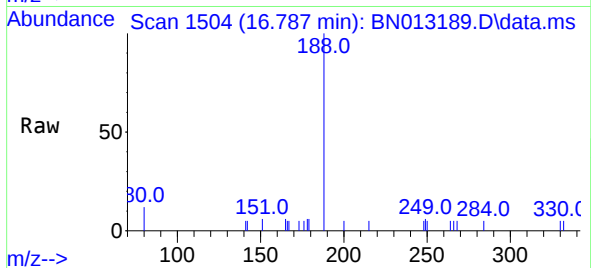




#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 16.787 min Scan# 1504  
Delta R.T. 0.012 min  
Lab File: BN013189.D  
Acq: 17 Dec 2020 17:01

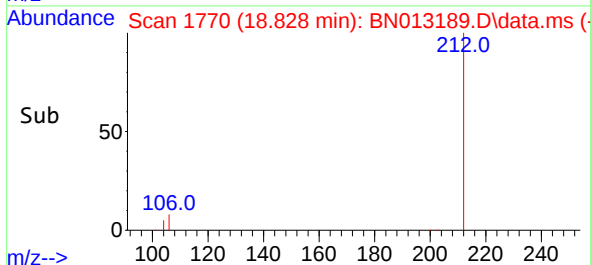
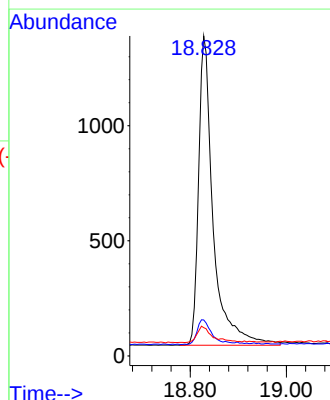
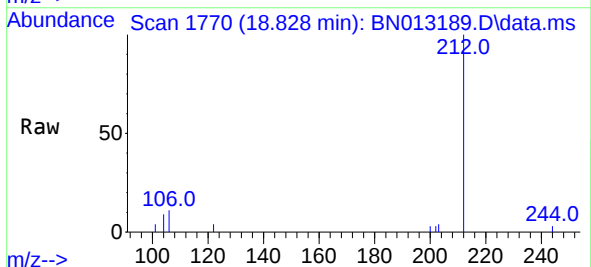
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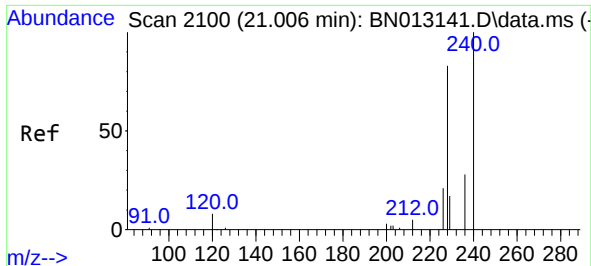
Tgt Ion:188 Resp: 2552  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.9 5.0 7.4#



#27  
Fluoranthene-d10  
Concen: 0.34 ng  
RT: 18.828 min Scan# 1770  
Delta R.T. 0.002 min  
Lab File: BN013189.D  
Acq: 17 Dec 2020 17:01

Tgt Ion:212 Resp: 2843  
Ion Ratio Lower Upper  
212 100  
106 7.9 6.8 10.2  
104 5.6 4.1 6.1

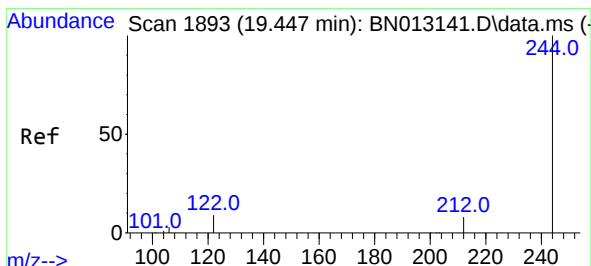
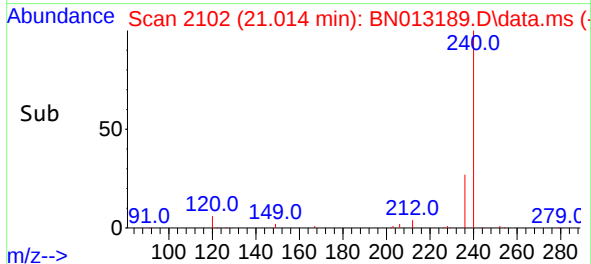
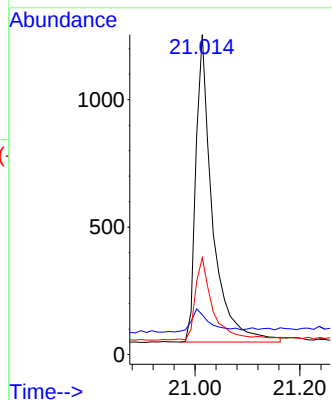
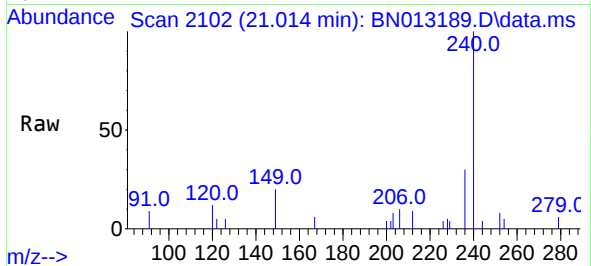




#29  
Chrysene-d12  
Concen: 0.40 ng  
RT: 21.014 min Scan# 2102  
Delta R.T. 0.008 min  
Lab File: BN013189.D  
Acq: 17 Dec 2020 17:01

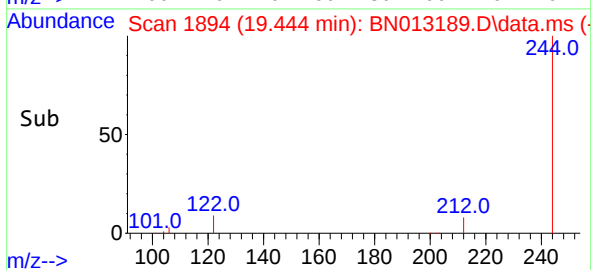
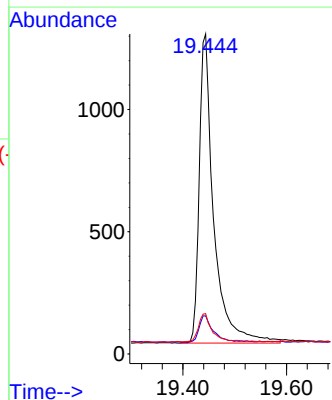
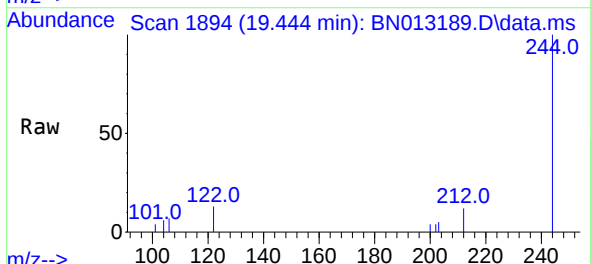
Instrument :  
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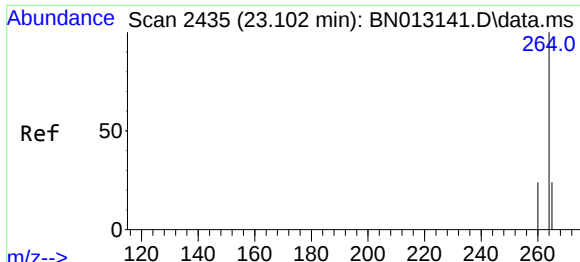
Tgt Ion:240 Resp: 2667  
Ion Ratio Lower Upper  
240 100  
120 12.4 5.3 7.9#  
236 30.3 21.8 32.8



#31  
Terphenyl-d14  
Concen: 0.36 ng  
RT: 19.444 min Scan# 1894  
Delta R.T. -0.008 min  
Lab File: BN013189.D  
Acq: 17 Dec 2020 17:01

Tgt Ion:244 Resp: 2456  
Ion Ratio Lower Upper  
244 100  
212 11.9 7.3 10.9#  
122 12.6 7.3 10.9#





#36  
 Perylene-d12  
 Concen: 0.40 ng  
 RT: 23.103 min Scan# 2437  
 Delta R.T. 0.004 min  
 Lab File: BN013189.D  
 Acq: 17 Dec 2020 17:01

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE126D2-20201209

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 264   | Resp: | 3069  |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 27.0  | 19.8  | 29.6  |
| 265       | 86.4  | 51.4  | 77.0# |

