

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092521\  
 Data File : BN016482.D  
 Acq On : 25 Sep 2021 19:21  
 Operator : CG/JU  
 Sample : M3782-08DL 2X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Sep 26 04:15:54 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN092421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 24 03:35:41 2021  
 Response via : Initial Calibration

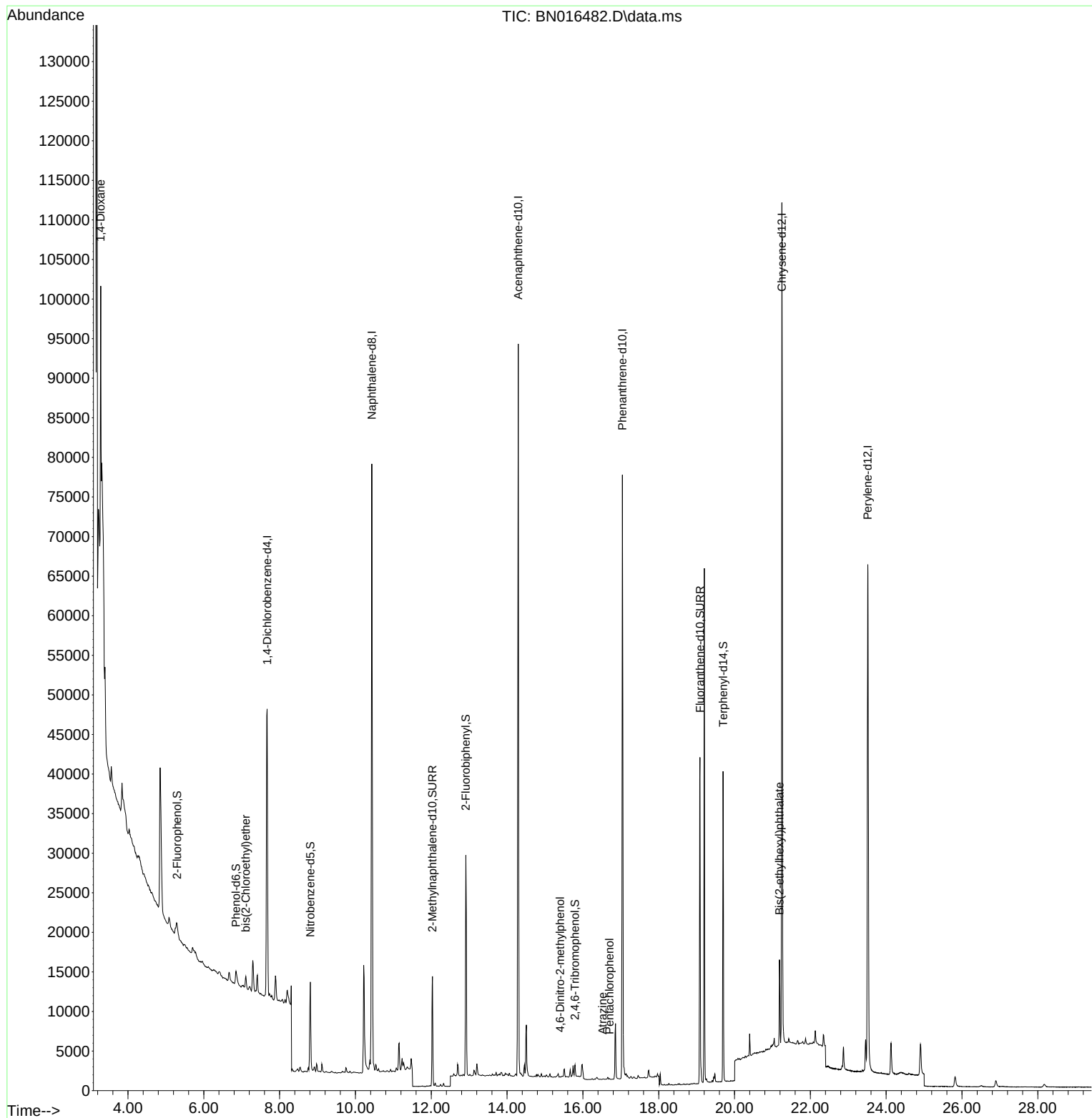
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.670  | 152  | 22719    | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.432 | 136  | 98020    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.294 | 164  | 51071    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.042 | 188  | 101082   | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.249 | 240  | 102827   | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.515 | 264  | 87136    | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.291  | 112  | 2196     | 0.043 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.849  | 99   | 1568     | 0.026 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.810  | 82   | 9161     | 0.132 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.029 | 152  | 18733    | 0.129 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.791 | 330  | 1160     | 0.185 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.911 | 172  | 24922    | 0.116 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.088 | 212  | 47319    | 0.171 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.698 | 244  | 39068    | 0.163 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.281  | 88   | 20010    | 2.055 | ng    | # 83     |
| 6) bis(2-Chloroethyl)ether    | 7.107  | 93   | 1268     | 0.021 | ng    | # 89     |
| 20) 4,6-Dinitro-2-methylph... | 15.398 | 198  | 19       | 0.149 | ng    | # 1      |
| 23) Atrazine                  | 16.518 | 200  | 42       | 0.136 | ng    | # 19     |
| 24) Pentachlorophenol         | 16.701 | 266  | 42       | 0.246 | ng    | # 76     |
| 34) Bis(2-ethylhexyl)phtha... | 21.185 | 149  | 10926    | 0.134 | ng    | # 97     |
| -----                         |        |      |          |       |       |          |

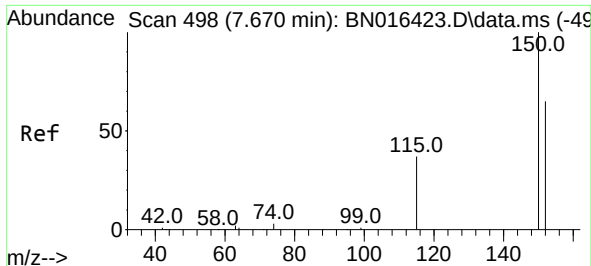
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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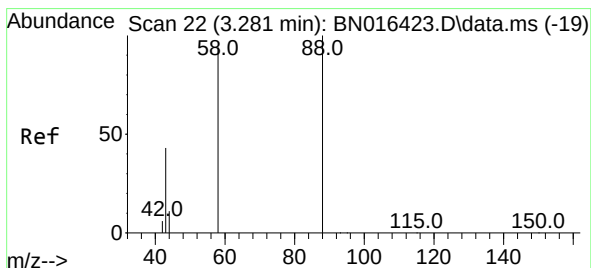
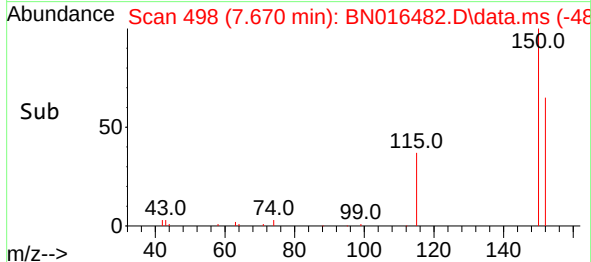
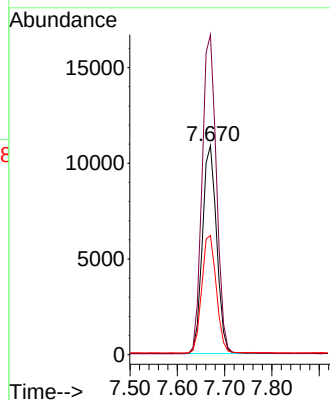
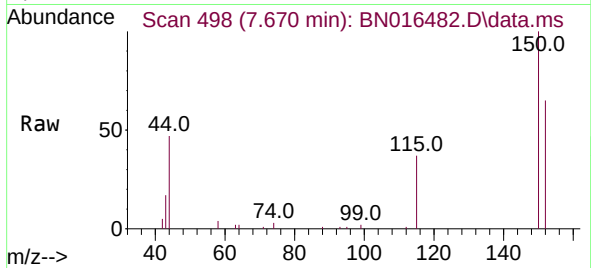




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.670 min Scan# 498  
 Delta R.T. -0.000 min  
 Lab File: BN016482.D  
 Acq: 25 Sep 2021 19:21

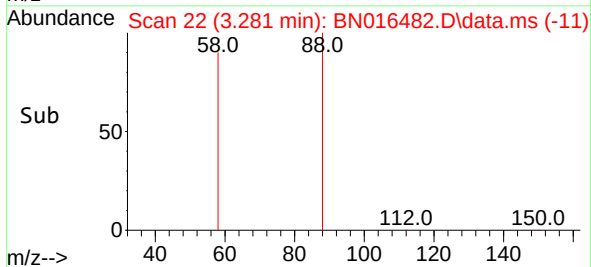
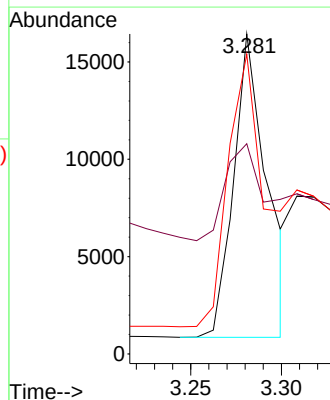
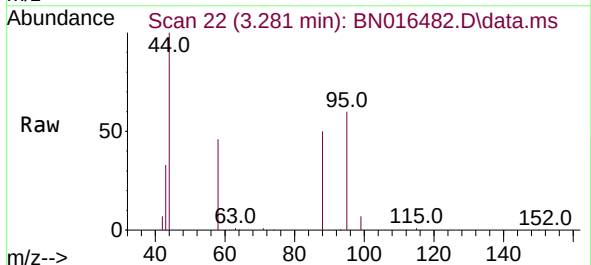
Instrument :  
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 ClientSampled :

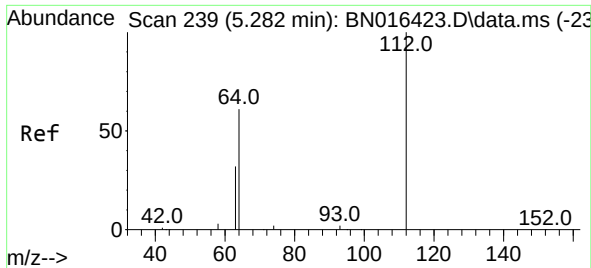
Tgt Ion:152 Resp: 22719  
 Ion Ratio Lower Upper  
 152 100  
 150 153.0 125.6 188.4  
 115 57.0 50.2 75.2



#2  
 1,4-Dioxane  
 Concen: 2.055 ng  
 RT: 3.281 min Scan# 22  
 Delta R.T. 0.000 min  
 Lab File: BN016482.D  
 Acq: 25 Sep 2021 19:21

Tgt Ion: 88 Resp: 20010  
 Ion Ratio Lower Upper  
 88 100  
 43 37.8 20.3 30.5#  
 58 100.8 69.9 104.9

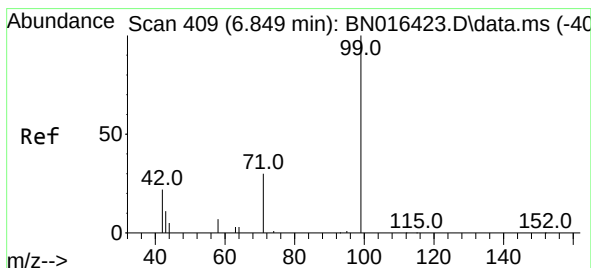
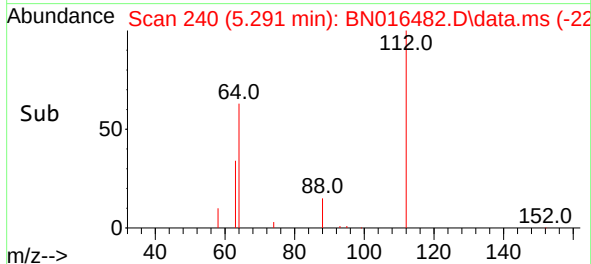
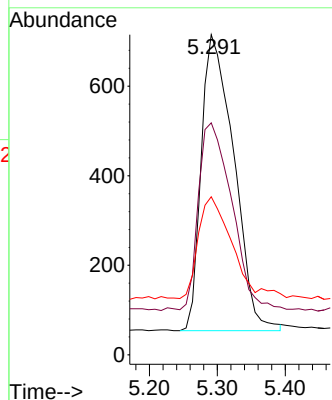
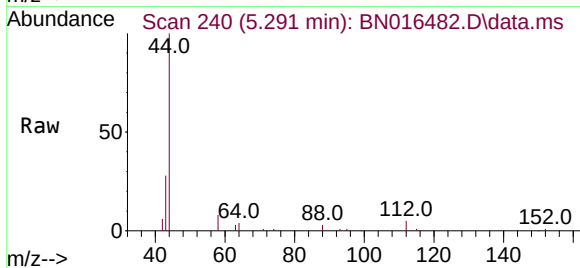




#4  
2-Fluorophenol  
Concen: 0.043 ng  
RT: 5.291 min Scan# 240  
Delta R.T. 0.009 min  
Lab File: BN016482.D  
Acq: 25 Sep 2021 19:21

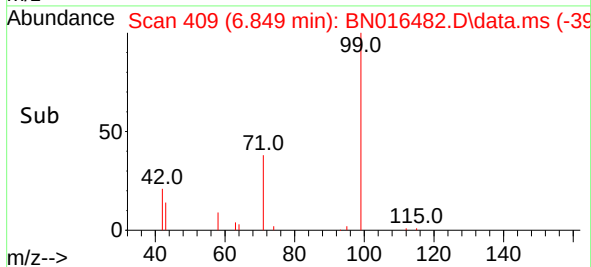
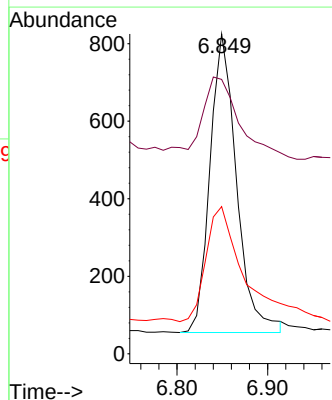
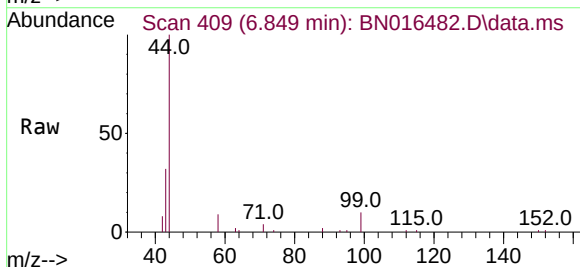
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ClientSampleId :

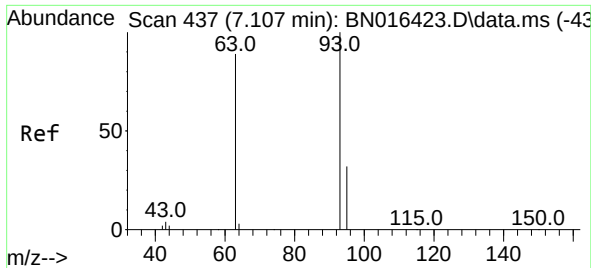
Tgt Ion:112 Resp: 2196  
Ion Ratio Lower Upper  
112 100  
64 65.5 47.3 70.9  
63 35.7 23.4 35.0#



#5  
Phenol-d6  
Concen: 0.026 ng  
RT: 6.849 min Scan# 409  
Delta R.T. 0.000 min  
Lab File: BN016482.D  
Acq: 25 Sep 2021 19:21

Tgt Ion: 99 Resp: 1568  
Ion Ratio Lower Upper  
99 100  
42 30.9 14.0 21.0#  
71 52.3 23.8 35.6#

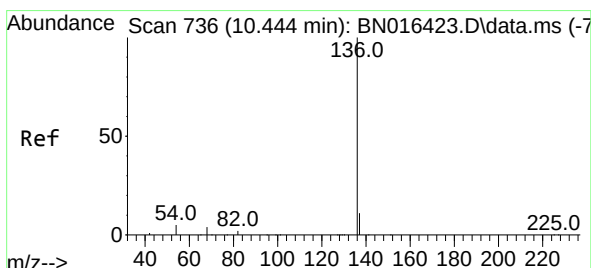
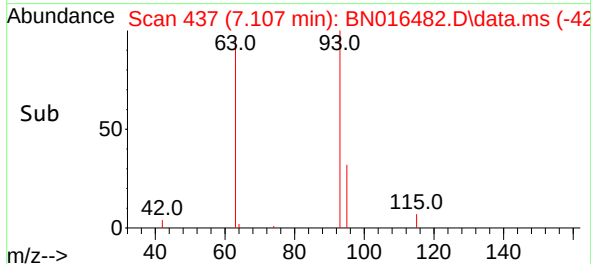
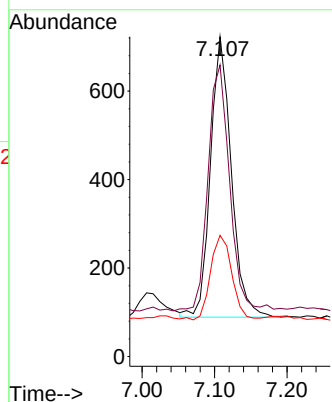
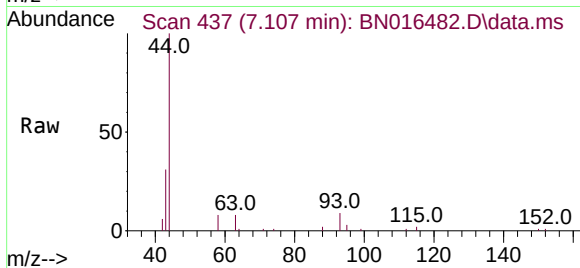




#6  
bis(2-Chloroethyl)ether  
Concen: 0.021 ng  
RT: 7.107 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: BN016482.D  
Acq: 25 Sep 2021 19:21

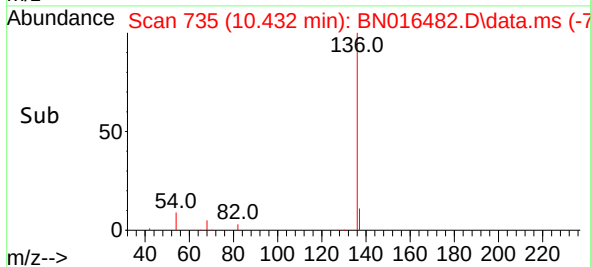
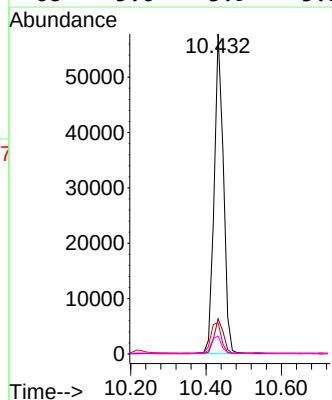
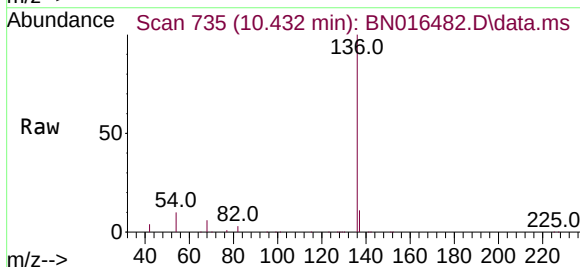
Instrument :  
BNA\_N  
ClientSampled :

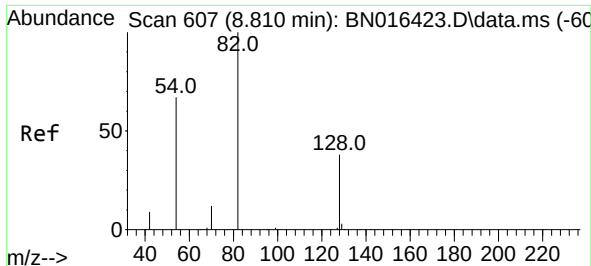
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 1268  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 91.2  | 63.4  | 95.0  |
| 95       | 30.5  | 26.8  | 40.2  |



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.432 min Scan# 735  
Delta R.T. -0.013 min  
Lab File: BN016482.D  
Acq: 25 Sep 2021 19:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 98020 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.0  | 8.8   | 13.2  |
| 54       | 9.8   | 5.3   | 7.9#  |
| 68       | 5.6   | 3.9   | 5.9   |

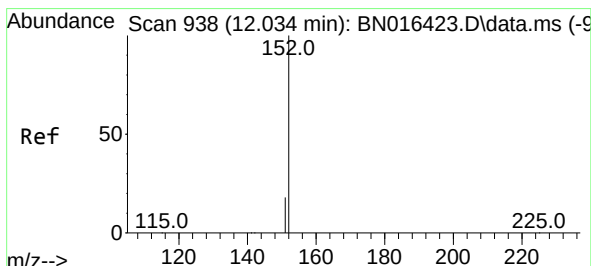
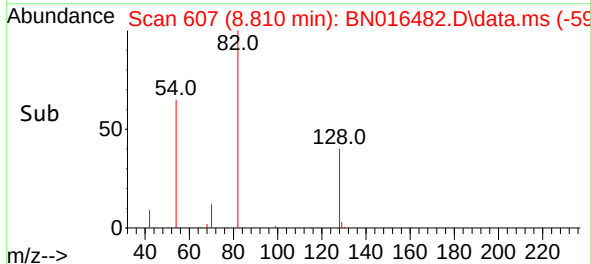
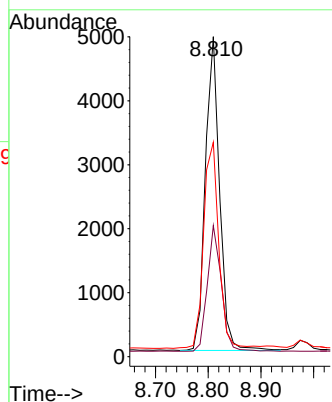
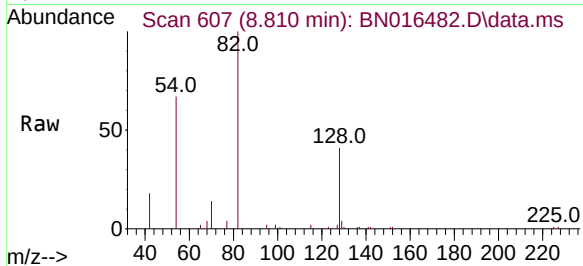




#8  
Nitrobenzene-d5  
Concen: 0.132 ng  
RT: 8.810 min Scan# 607  
Delta R.T. 0.000 min  
Lab File: BN016482.D  
Acq: 25 Sep 2021 19:21

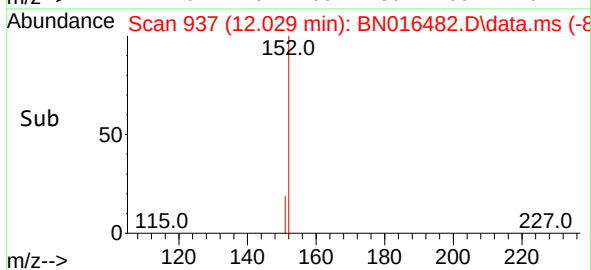
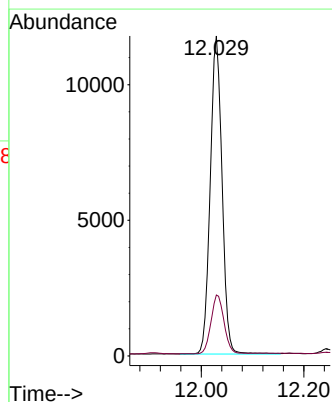
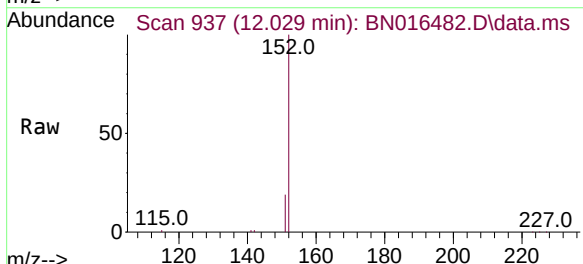
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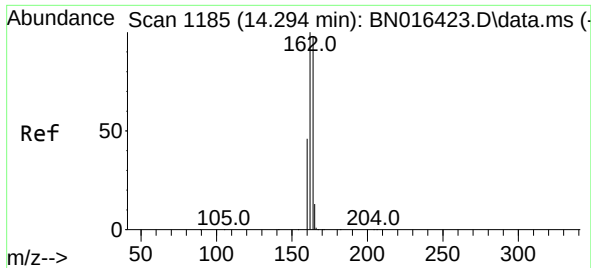
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|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 9161 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 40.9  | 31.7  | 47.5 |
| 54        | 67.0  | 46.4  | 69.6 |



#11  
2-Methylnaphthalene-d10  
Concen: 0.129 ng  
RT: 12.029 min Scan# 937  
Delta R.T. -0.004 min  
Lab File: BN016482.D  
Acq: 25 Sep 2021 19:21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 18733 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 20.6  | 16.1  | 24.1  |

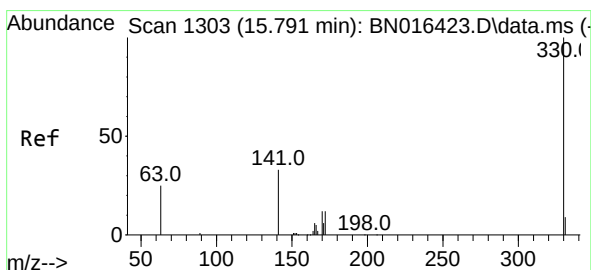
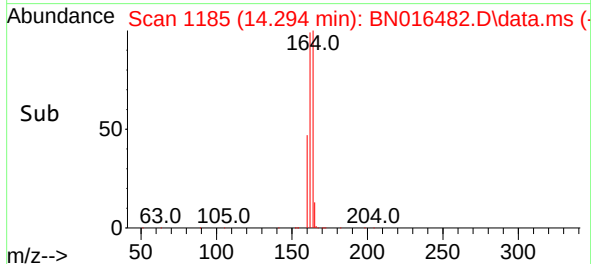
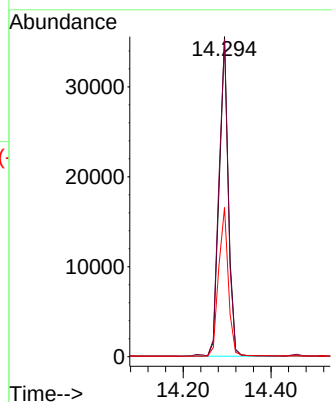
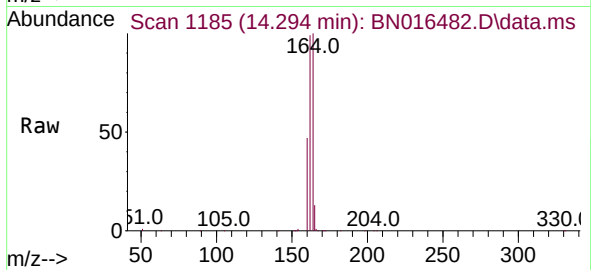




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.294 min Scan# 1185  
Delta R.T. -0.000 min  
Lab File: BN016482.D  
Acq: 25 Sep 2021 19:21

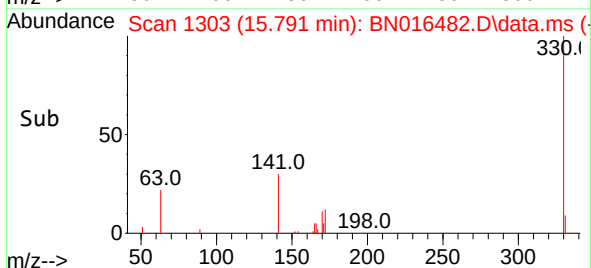
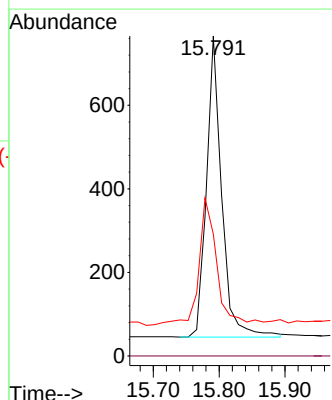
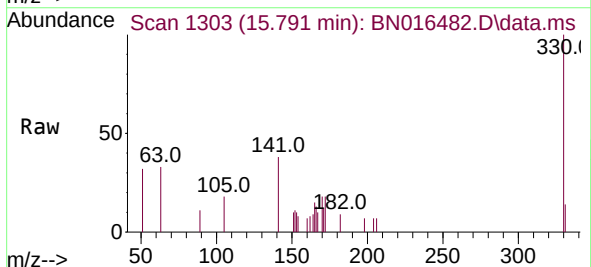
Instrument :  
BNA\_N  
ClientSampleId :

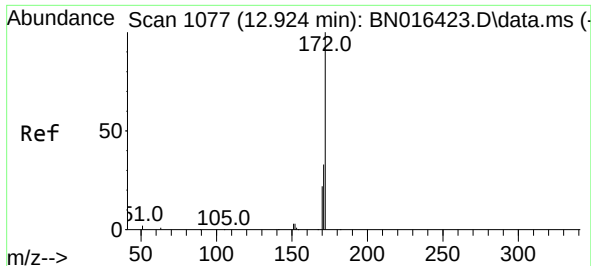
Tgt Ion:164 Resp: 51071  
Ion Ratio Lower Upper  
164 100  
162 99.2 79.0 118.4  
160 46.6 34.1 51.1



#14  
2,4,6-Tribromophenol  
Concen: 0.185 ng  
RT: 15.791 min Scan# 1303  
Delta R.T. 0.000 min  
Lab File: BN016482.D  
Acq: 25 Sep 2021 19:21

Tgt Ion:330 Resp: 1160  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 44.5 25.0 37.4#

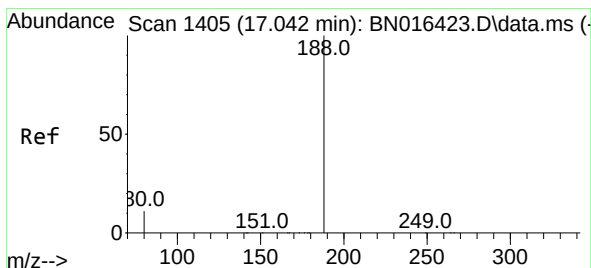
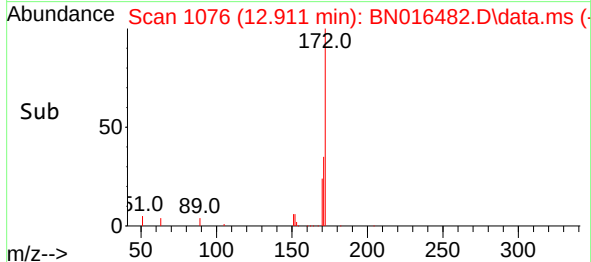
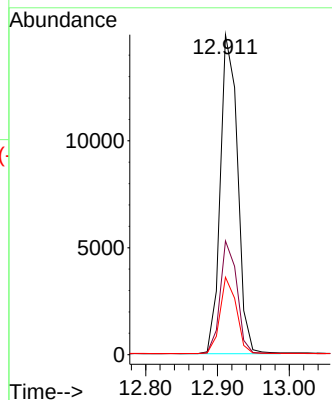
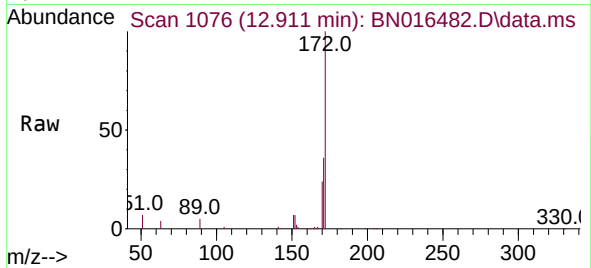




#15  
2-Fluorobiphenyl  
Concen: 0.116 ng  
RT: 12.911 min Scan# 1076  
Delta R.T. -0.013 min  
Lab File: BN016482.D  
Acq: 25 Sep 2021 19:21

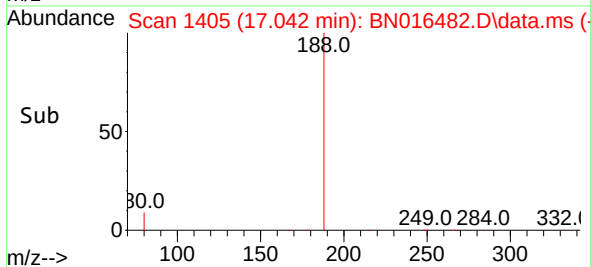
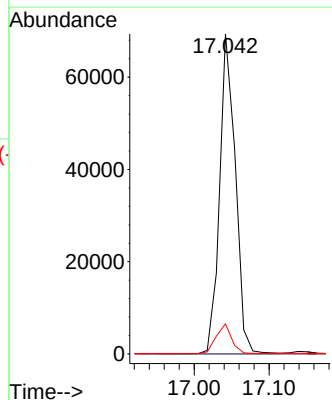
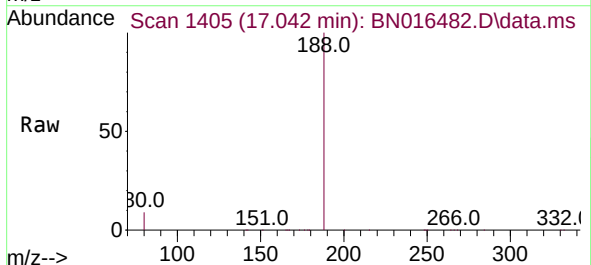
Instrument :  
BNA\_N  
ClientSampleId :

Tgt Ion:172 Resp: 24922  
Ion Ratio Lower Upper  
172 100  
171 35.6 27.8 41.6  
170 24.2 18.2 27.2

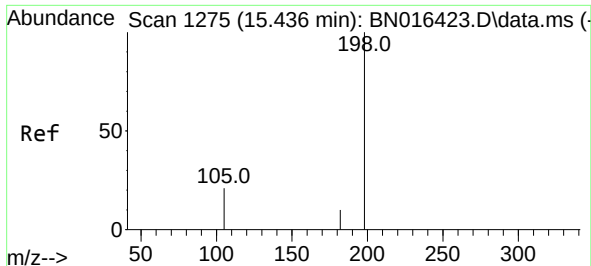


#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.042 min Scan# 1405  
Delta R.T. -0.000 min  
Lab File: BN016482.D  
Acq: 25 Sep 2021 19:21

Tgt Ion:188 Resp: 101082  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.4 7.0 10.6



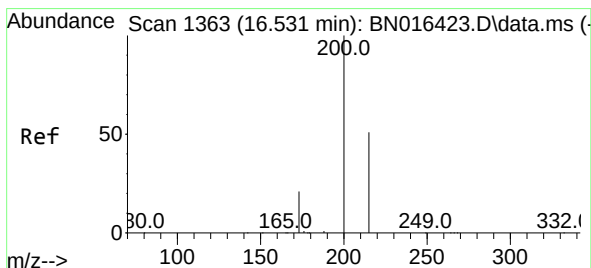
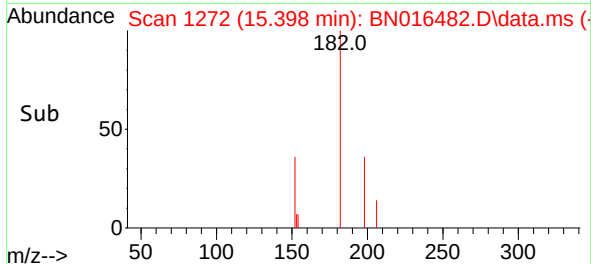
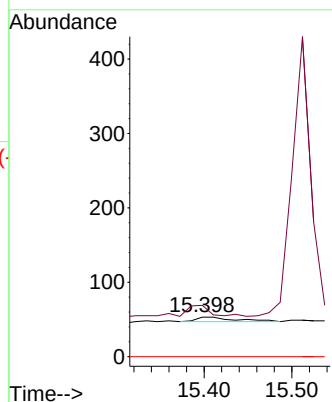
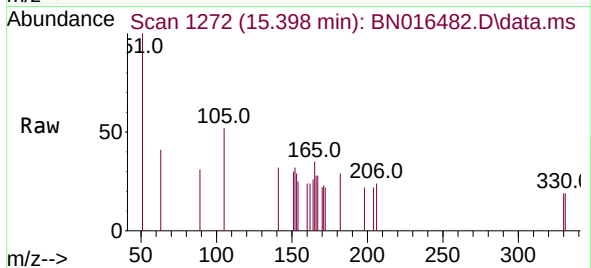




#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.149 ng  
RT: 15.398 min Scan# 1272  
Delta R.T. -0.038 min  
Lab File: BN016482.D  
Acq: 25 Sep 2021 19:21

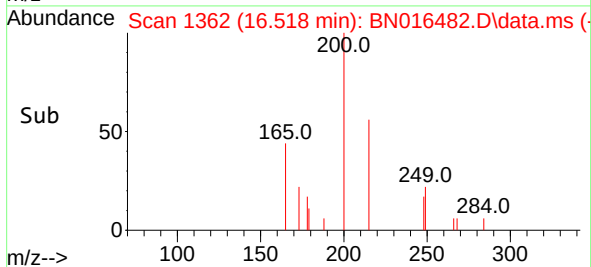
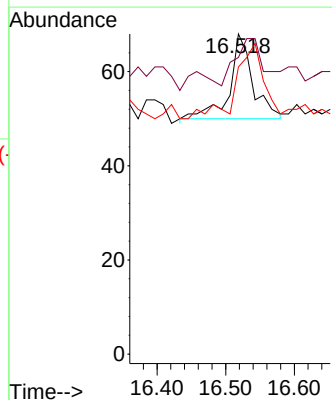
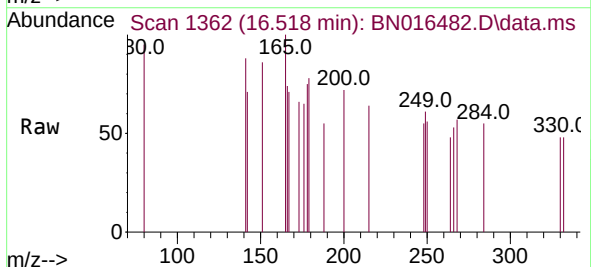
Instrument :  
BNA\_N  
ClientSampled :

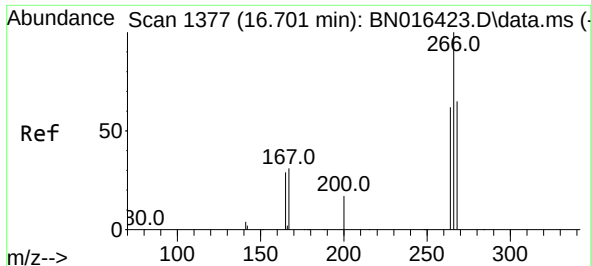
Tgt Ion:198 Resp: 19  
Ion Ratio Lower Upper  
198 100  
182 130.2 26.6 39.8#  
77 0.0 0.0 0.0



#23  
Atrazine  
Concen: 0.136 ng  
RT: 16.518 min Scan# 1362  
Delta R.T. -0.013 min  
Lab File: BN016482.D  
Acq: 25 Sep 2021 19:21

Tgt Ion:200 Resp: 42  
Ion Ratio Lower Upper  
200 100  
173 92.6 18.7 28.1#  
215 89.7 41.6 62.4#

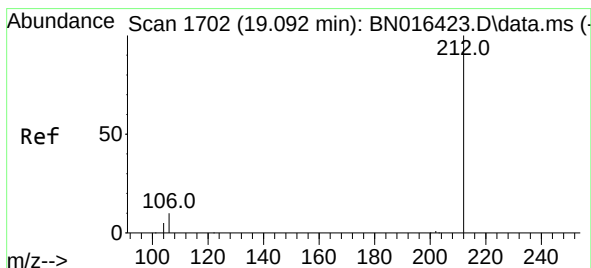
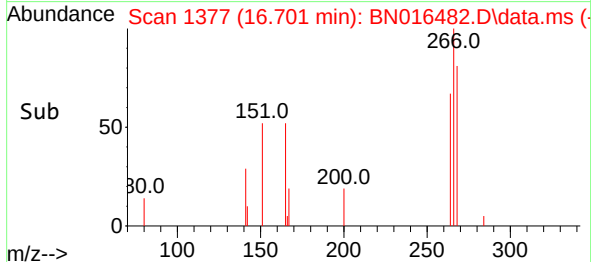
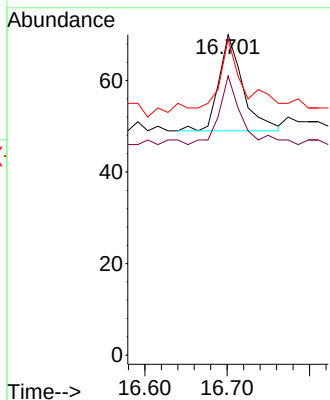
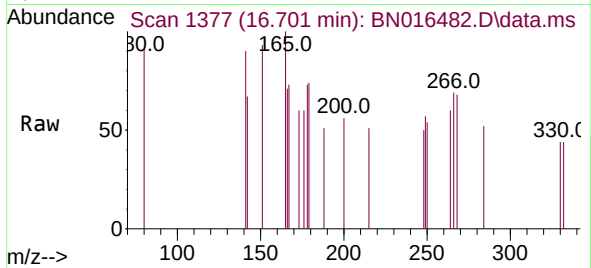




#24  
 Pentachlorophenol  
 Concen: 0.246 ng  
 RT: 16.701 min Scan# 1377  
 Delta R.T. 0.000 min  
 Lab File: BN016482.D  
 Acq: 25 Sep 2021 19:21

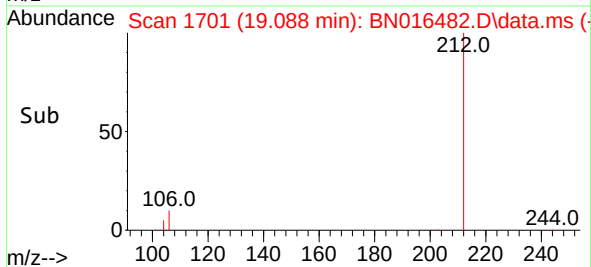
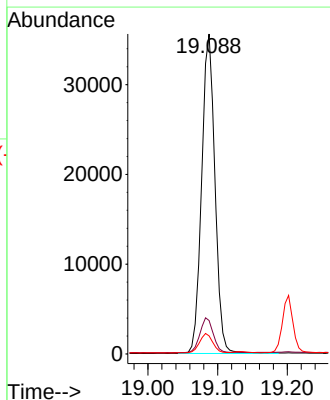
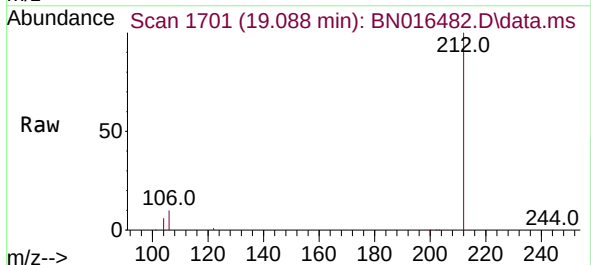
Instrument :  
 BNA\_N  
 ClientSampled :

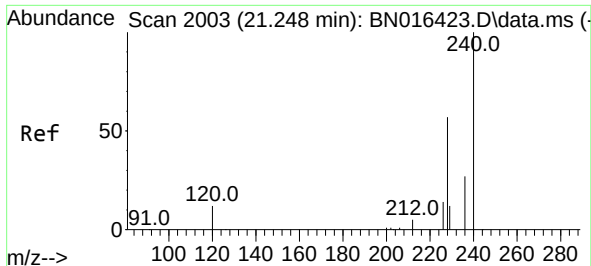
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 266   | Resp: | 42    |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 264       | 66.7  | 50.6  | 75.8  |
| 268       | 100.0 | 52.6  | 79.0# |



#27  
 Fluoranthene-d10  
 Concen: 0.171 ng  
 RT: 19.088 min Scan# 1701  
 Delta R.T. -0.005 min  
 Lab File: BN016482.D  
 Acq: 25 Sep 2021 19:21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 47319 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 10.9  | 9.8   | 14.6  |
| 104       | 6.1   | 5.4   | 8.2   |

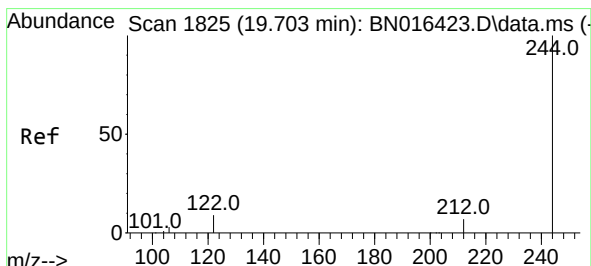
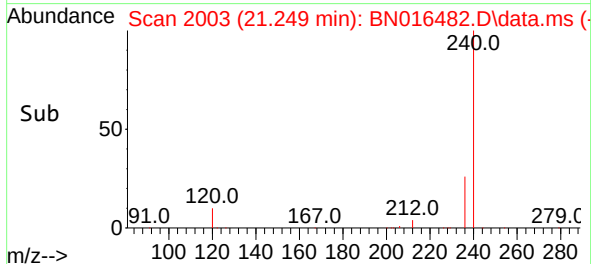
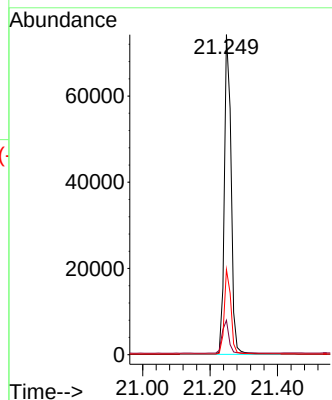
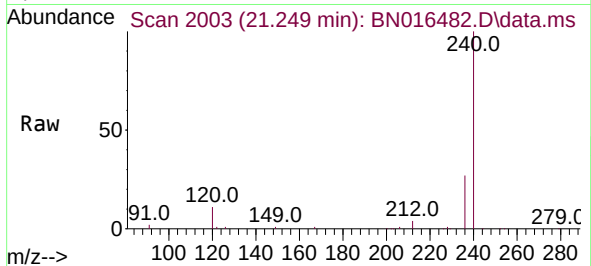




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.249 min Scan# 2003  
Delta R.T. 0.000 min  
Lab File: BN016482.D  
Acq: 25 Sep 2021 19:21

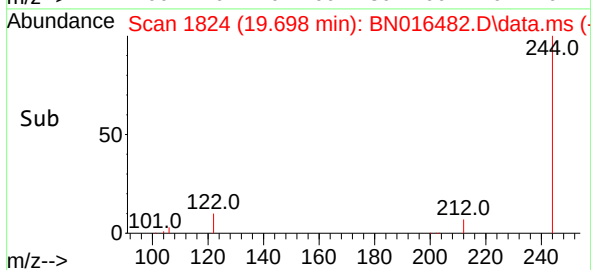
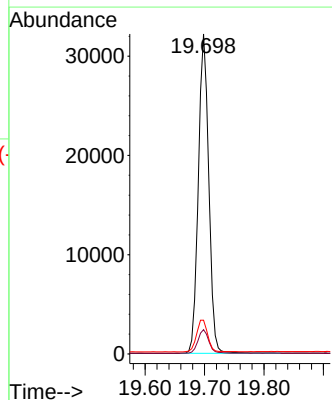
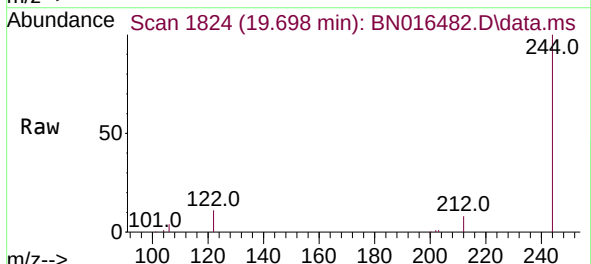
Instrument :  
BNA\_N  
ClientSampled :

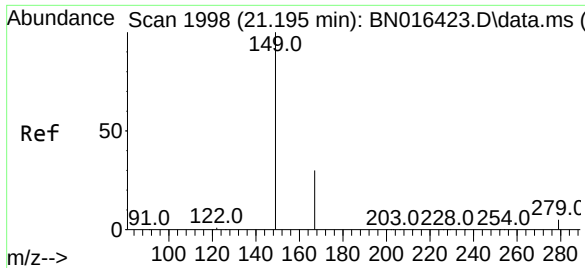
Tgt Ion:240 Resp: 102827  
Ion Ratio Lower Upper  
240 100  
120 10.8 5.3 7.9#  
236 26.6 19.8 29.8



#31  
Terphenyl-d14  
Concen: 0.163 ng  
RT: 19.698 min Scan# 1824  
Delta R.T. -0.005 min  
Lab File: BN016482.D  
Acq: 25 Sep 2021 19:21

Tgt Ion:244 Resp: 39068  
Ion Ratio Lower Upper  
244 100  
212 7.6 5.5 8.3  
122 10.5 9.0 13.4

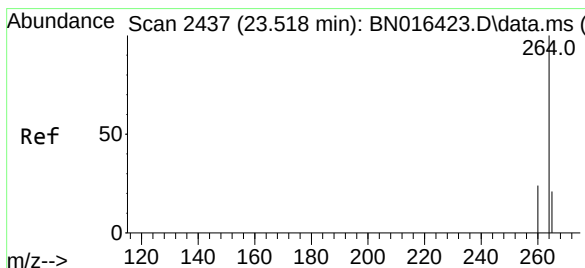
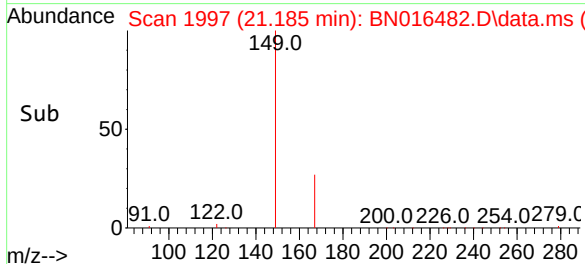
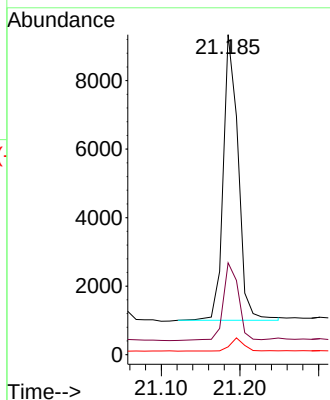
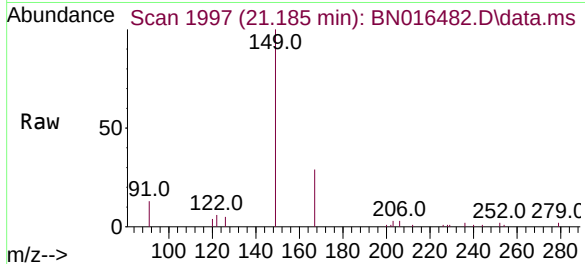




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.134 ng  
 RT: 21.185 min Scan# 1997  
 Delta R.T. -0.011 min  
 Lab File: BN016482.D  
 Acq: 25 Sep 2021 19:21

Instrument :  
 BNA\_N  
 ClientSampled :

Tgt Ion:149 Resp: 10926  
 Ion Ratio Lower Upper  
 149 100  
 167 27.6 23.4 35.0  
 279 4.3 3.9 5.9



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.515 min Scan# 2436  
 Delta R.T. -0.003 min  
 Lab File: BN016482.D  
 Acq: 25 Sep 2021 19:21

Tgt Ion:264 Resp: 87136  
 Ion Ratio Lower Upper  
 264 100  
 260 24.8 18.9 28.3  
 265 23.2 23.7 35.5#

