

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090921\  
 Data File : BN016295.D  
 Acq On : 10 Sep 2021 17:56  
 Operator : CG/JU  
 Sample : M3675-12  
 Misc :  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-TT-VPB-RW7-GW-720-722

Quant Time: Sep 11 02:30:24 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN090921.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 10 14:34:37 2021  
 Response via : Initial Calibration

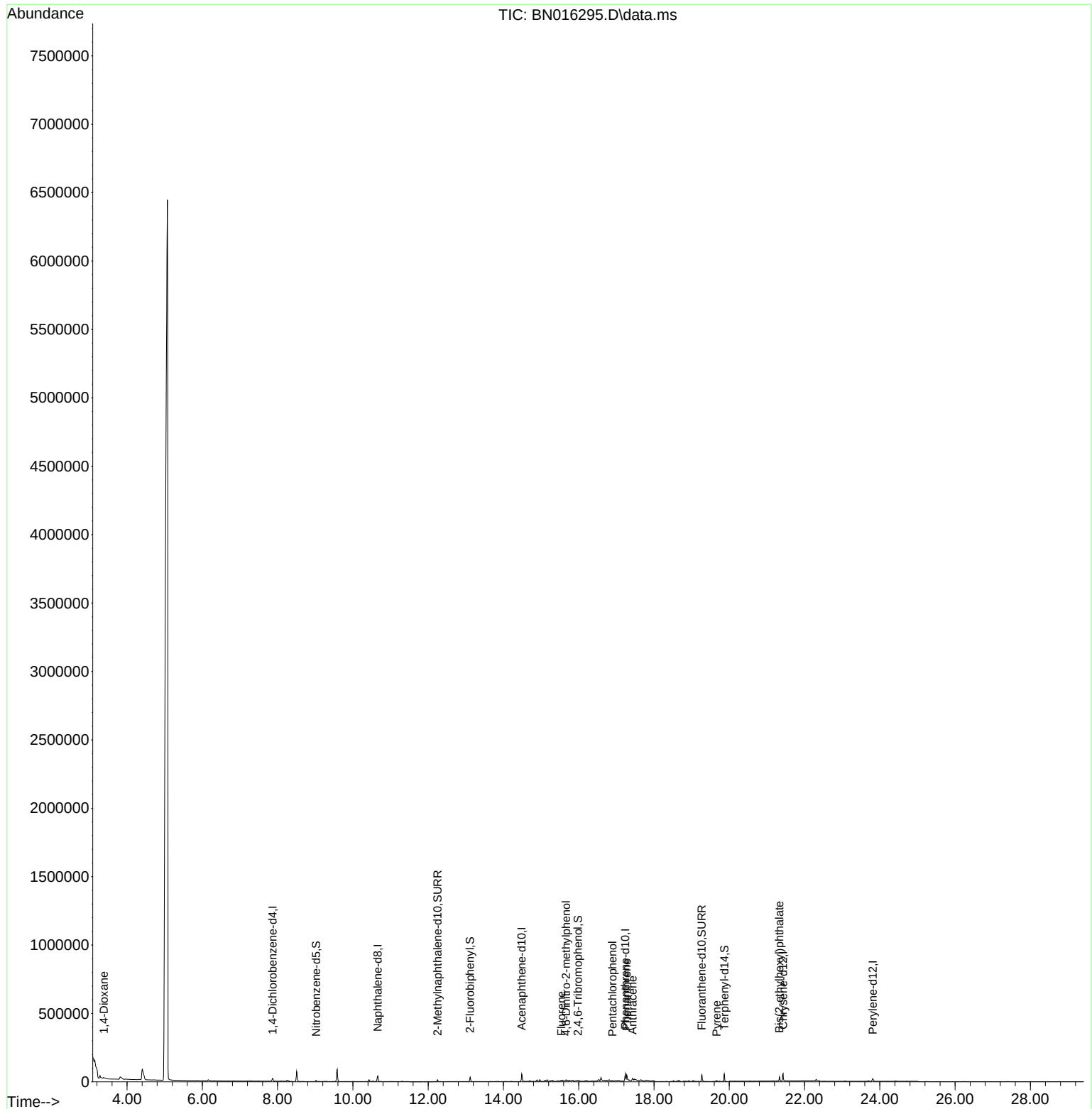
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.864  | 152  | 11956    | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.660 | 136  | 60153    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.484 | 164  | 34666    | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.237 | 188  | 71974    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.429 | 240  | 56571    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.813 | 264  | 29693    | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.485  | 112  | 190      | 0.006 | ng    | 0.03     |
| 5) Phenol-d6                  | 7.052  | 99   | 210      | 0.006 | ng    | 0.02     |
| 8) Nitrobenzene-d5            | 9.025  | 82   | 7502     | 0.155 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10   | 12.247 | 152  | 21747    | 0.232 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.982 | 330  | 994      | 0.070 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.114 | 172  | 29566    | 0.218 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.271 | 212  | 61541    | 0.291 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.867 | 244  | 56338    | 0.397 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.382  | 88   | 4834     | 1.139 | ng    | 95       |
| 18) Fluorene                  | 15.538 | 166  | 3714     | 0.030 | ng    | # 63     |
| 20) 4,6-Dinitro-2-methylph... | 15.664 | 198  | 58       | 0.228 | ng    | # 1      |
| 24) Pentachlorophenol         | 16.896 | 266  | 386      | 0.171 | ng    | # 88     |
| 25) Phenanthrene              | 17.273 | 178  | 52259    | 0.250 | ng    | # 91     |
| 26) Anthracene                | 17.431 | 178  | 6453     | 0.034 | ng    | # 1      |
| 30) Pyrene                    | 19.664 | 202  | 8997     | 0.047 | ng    | # 71     |
| 34) Bis(2-ethylhexyl)phtha... | 21.334 | 149  | 25179    | 0.232 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

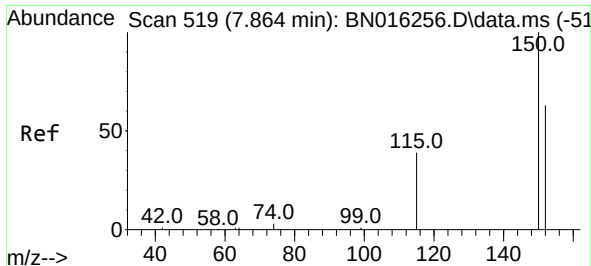
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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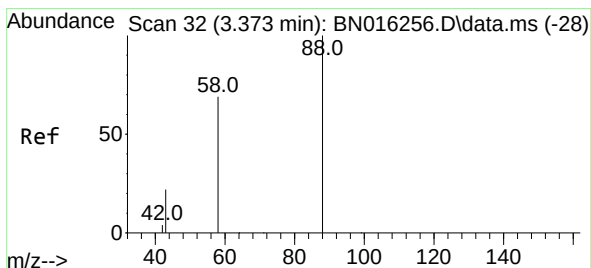
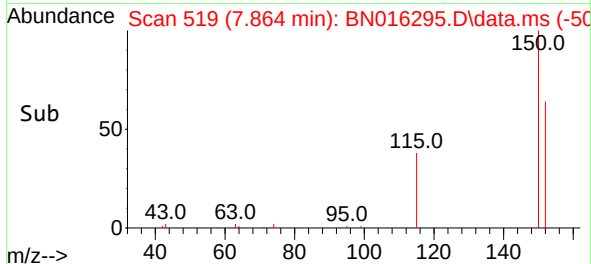
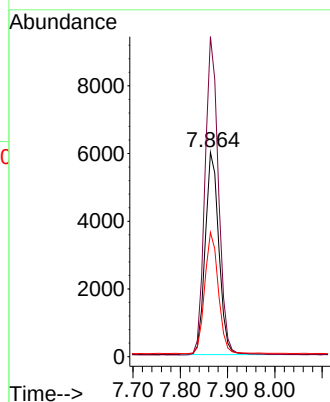
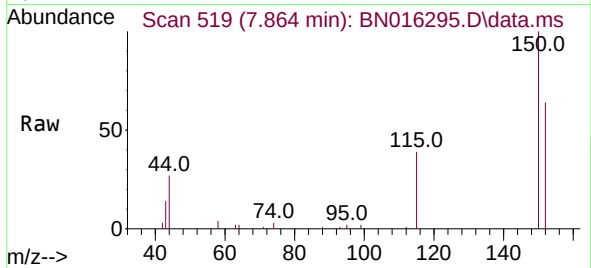


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.864 min Scan# 519  
 Delta R.T. -0.000 min  
 Lab File: BN016295.D  
 Acq: 10 Sep 2021 17:56

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-TT-VPB-RW7-GW-720-722

Tgt Ion: 152 Resp: 11956

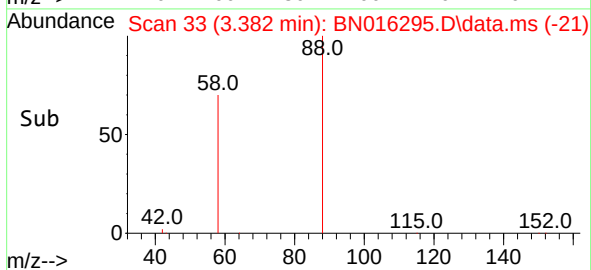
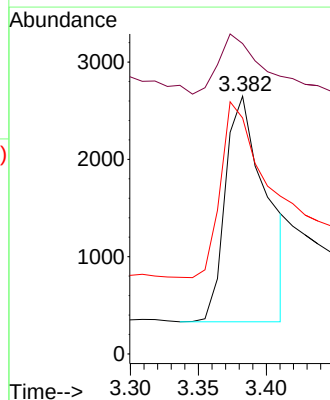
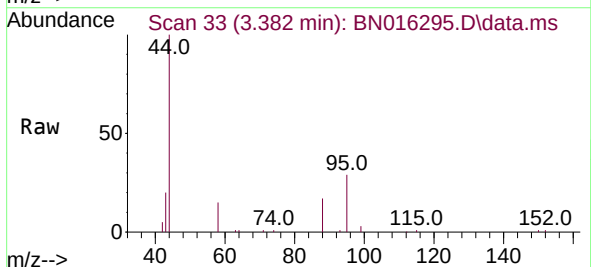
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 156.6 | 125.6 | 188.4 |
| 115 | 60.8  | 50.2  | 75.2  |

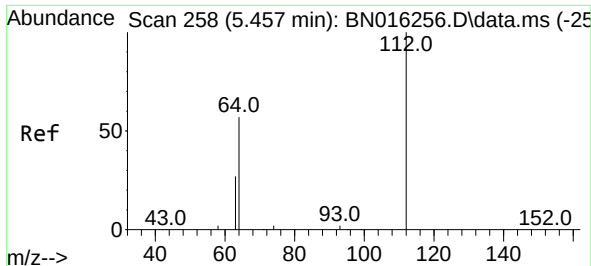


#2  
 1,4-Dioxane  
 Concen: 1.139 ng  
 RT: 3.382 min Scan# 33  
 Delta R.T. 0.009 min  
 Lab File: BN016295.D  
 Acq: 10 Sep 2021 17:56

Tgt Ion: 88 Resp: 4834

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 25.9  | 20.3  | 30.5  |
| 58  | 81.8  | 69.9  | 104.9 |

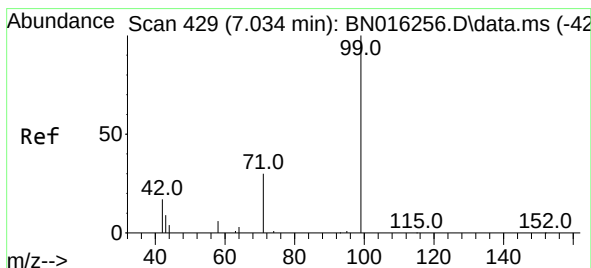
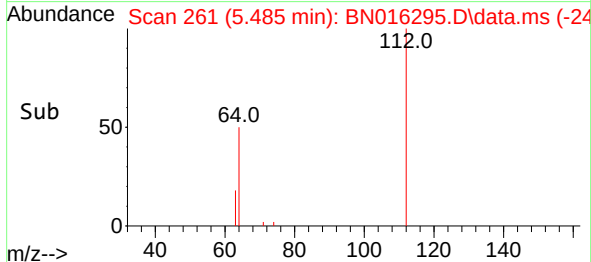
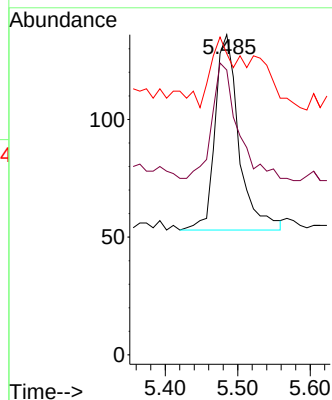
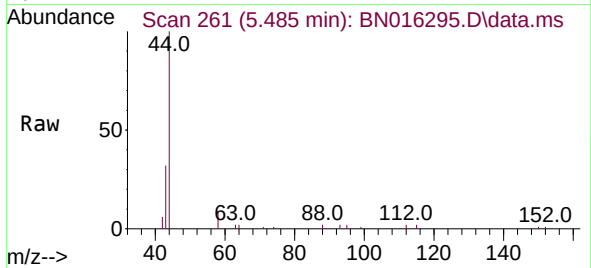




#4  
2-Fluorophenol  
Concen: 0.006 ng  
RT: 5.485 min Scan# 261  
Delta R.T. 0.028 min  
Lab File: BN016295.D  
Acq: 10 Sep 2021 17:56

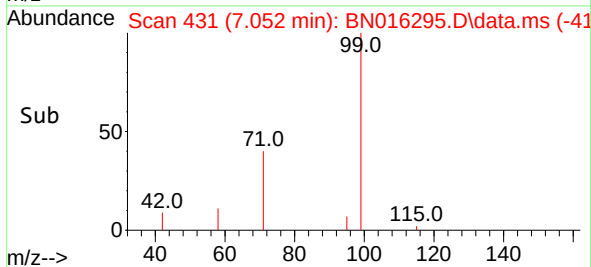
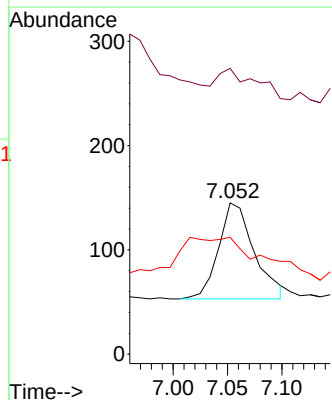
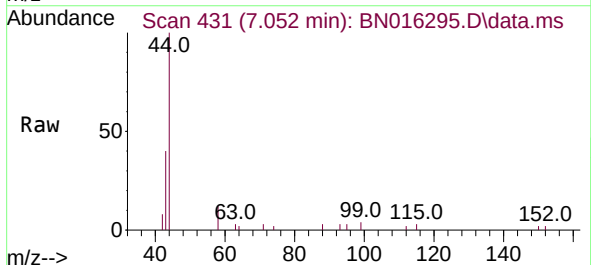
Instrument :  
BNA\_N  
ClientSampleId :  
BP-TT-VPB-RW7-GW-720-722

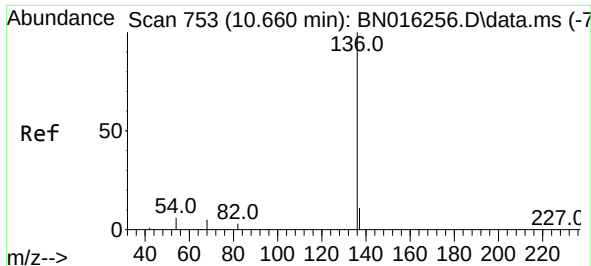
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 190   |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 62.1  | 47.3  | 70.9  |
| 63       | 29.5  | 23.4  | 35.0  |



#5  
Phenol-d6  
Concen: 0.006 ng  
RT: 7.052 min Scan# 431  
Delta R.T. 0.018 min  
Lab File: BN016295.D  
Acq: 10 Sep 2021 17:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 210   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 31.4  | 14.0  | 21.0# |
| 71       | 0.0   | 23.8  | 35.6# |

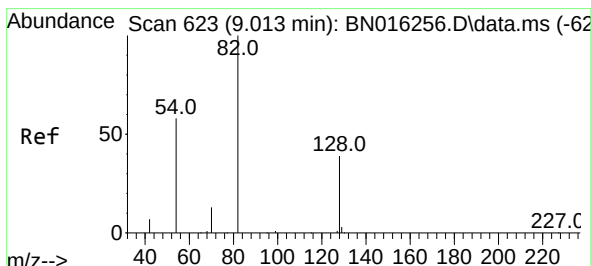
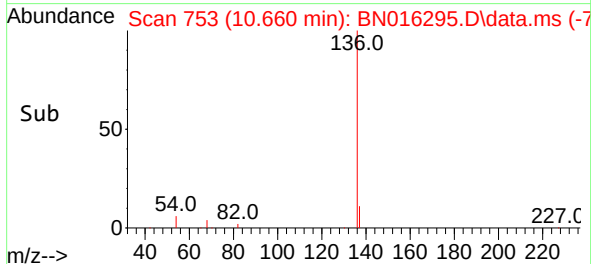
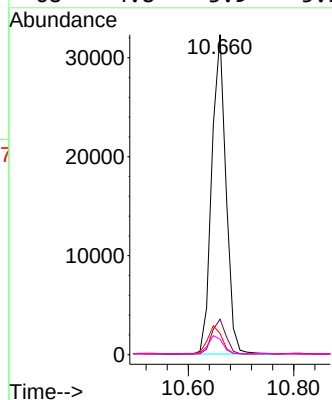
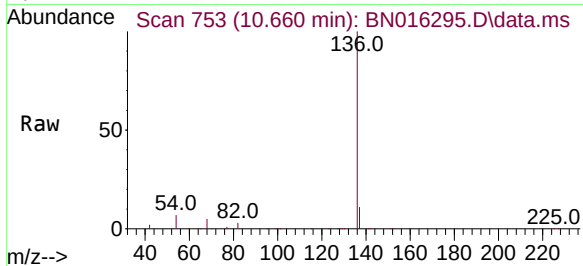




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.660 min Scan# 753  
Delta R.T. -0.000 min  
Lab File: BN016295.D  
Acq: 10 Sep 2021 17:56

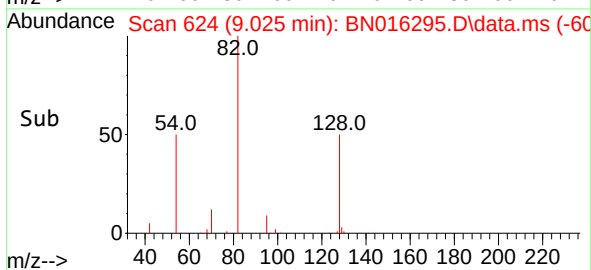
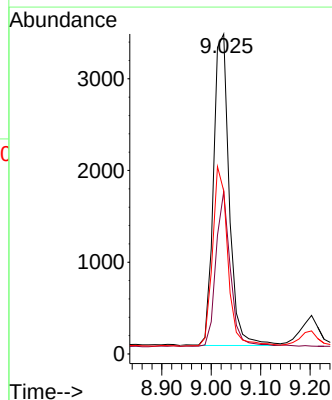
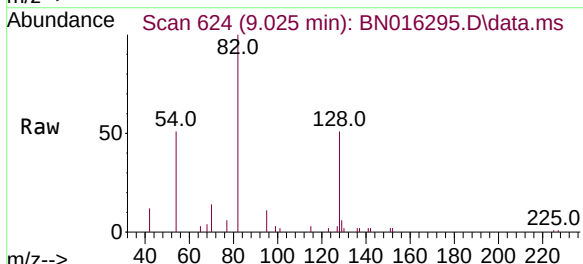
Instrument :  
BNA\_N  
ClientSampleId :  
BP-TT-VPB-RW7-GW-720-722

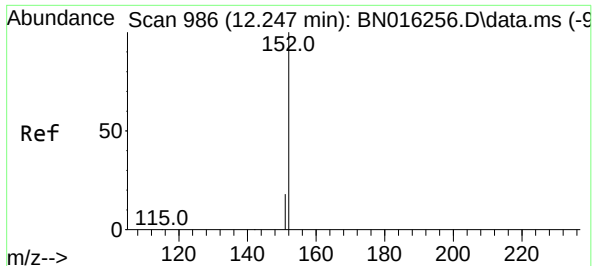
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 60153 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.1  | 8.8   | 13.2  |
| 54        | 6.6   | 5.3   | 7.9   |
| 68        | 4.8   | 3.9   | 5.9   |



#8  
Nitrobenzene-d5  
Concen: 0.155 ng  
RT: 9.025 min Scan# 624  
Delta R.T. 0.013 min  
Lab File: BN016295.D  
Acq: 10 Sep 2021 17:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 7502  |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 50.7  | 31.7  | 47.5# |
| 54        | 51.0  | 46.4  | 69.6  |

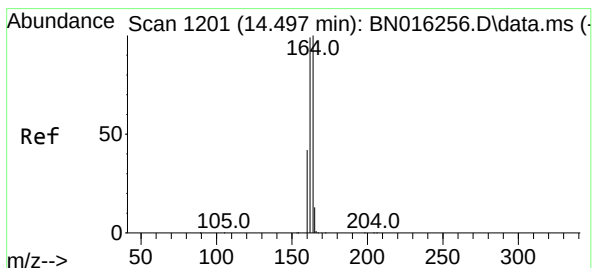
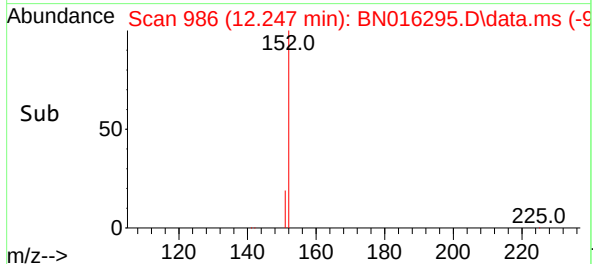
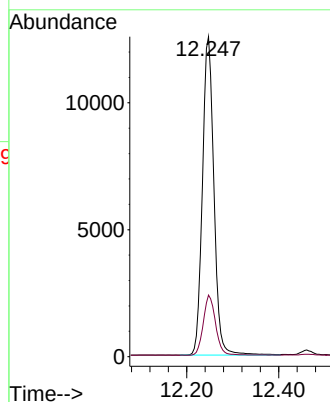
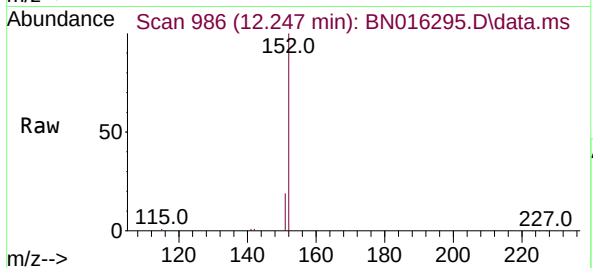




#11  
2-Methylnaphthalene-d10  
Concen: 0.232 ng  
RT: 12.247 min Scan# 986  
Delta R.T. -0.000 min  
Lab File: BN016295.D  
Acq: 10 Sep 2021 17:56

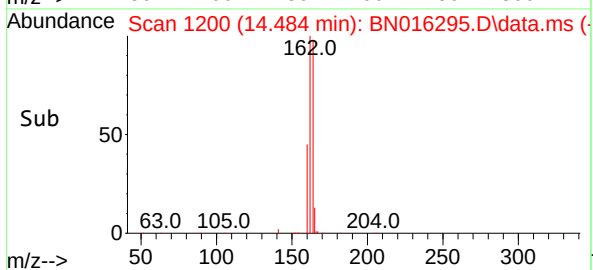
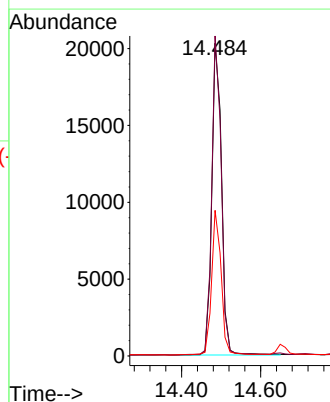
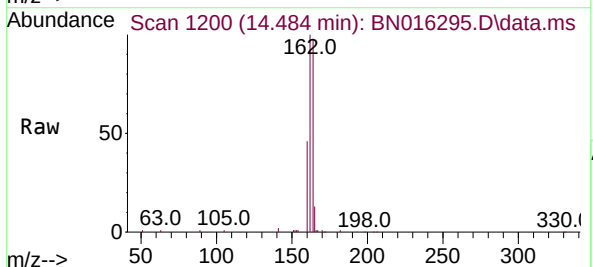
Instrument :  
BNA\_N  
ClientSampleId :  
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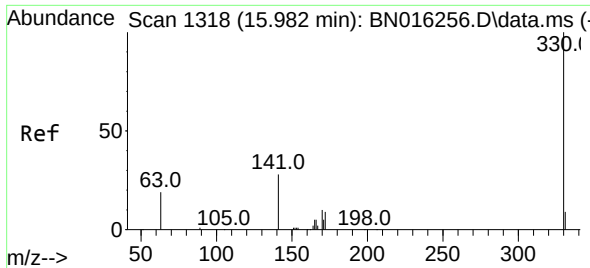
Tgt Ion:152 Resp: 21747  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.1 24.1



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.484 min Scan# 1200  
Delta R.T. -0.013 min  
Lab File: BN016295.D  
Acq: 10 Sep 2021 17:56

Tgt Ion:164 Resp: 34666  
Ion Ratio Lower Upper  
164 100  
162 102.3 79.0 118.4  
160 46.6 34.1 51.1

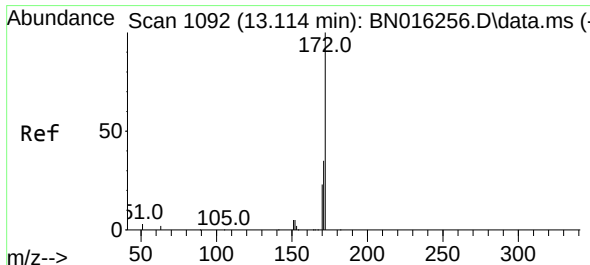
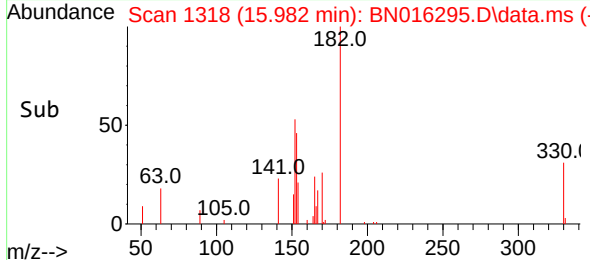
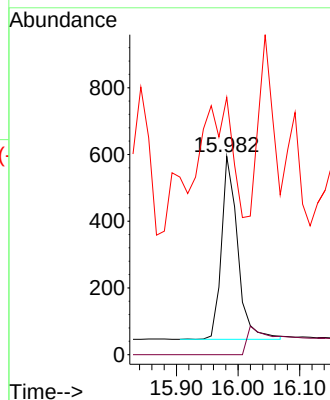
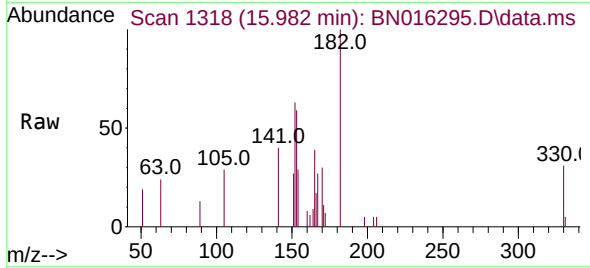




#14  
2,4,6-Tribromophenol  
Concen: 0.070 ng  
RT: 15.982 min Scan# 1318  
Delta R.T. 0.000 min  
Lab File: BN016295.D  
Acq: 10 Sep 2021 17:56

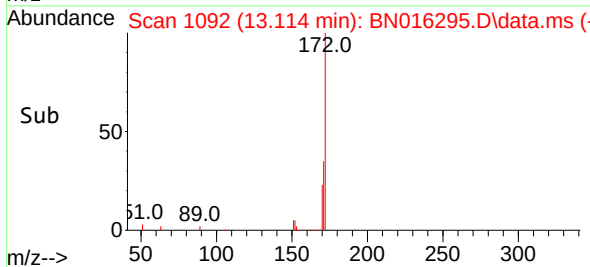
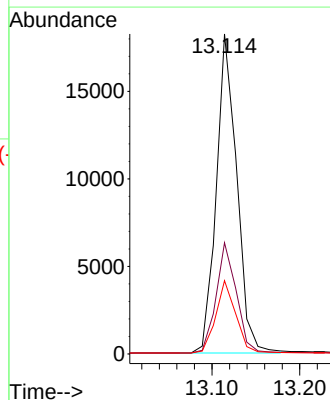
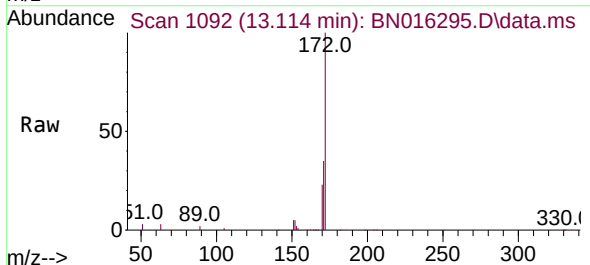
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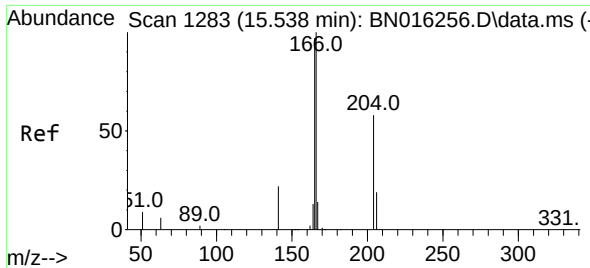
Tgt Ion:330 Resp: 994  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 118.8 25.0 37.4#



#15  
2-Fluorobiphenyl  
Concen: 0.218 ng  
RT: 13.114 min Scan# 1092  
Delta R.T. -0.000 min  
Lab File: BN016295.D  
Acq: 10 Sep 2021 17:56

Tgt Ion:172 Resp: 29566  
Ion Ratio Lower Upper  
172 100  
171 34.8 27.8 41.6  
170 22.9 18.2 27.2

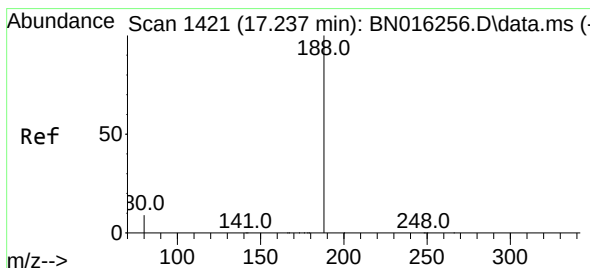
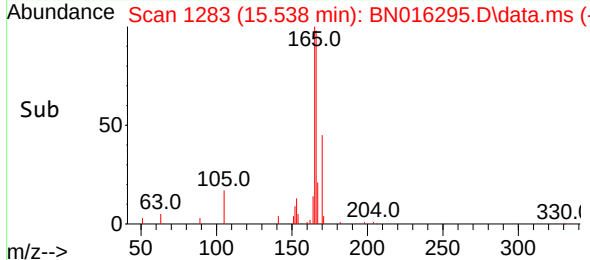
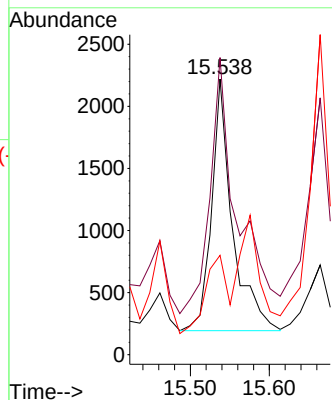
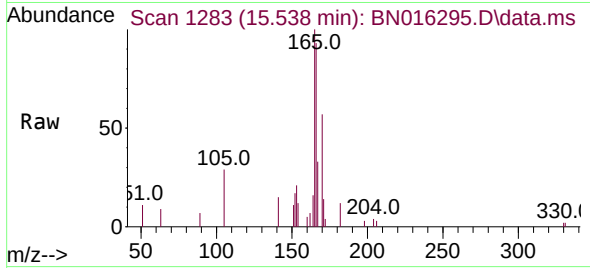




#18  
Fluorene  
Concen: 0.030 ng  
RT: 15.538 min Scan# 1283  
Delta R.T. 0.000 min  
Lab File: BN016295.D  
Acq: 10 Sep 2021 17:56

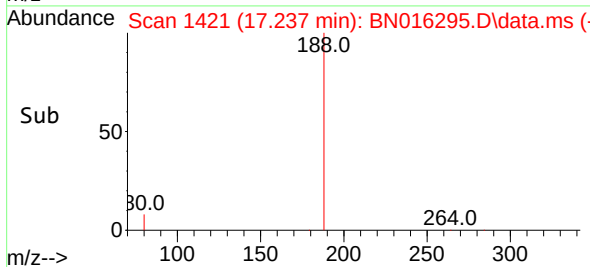
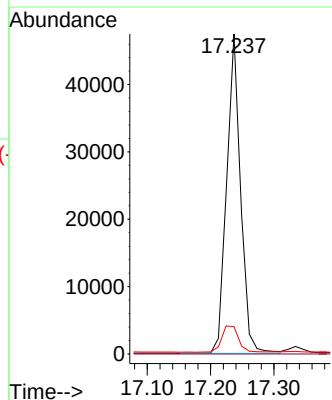
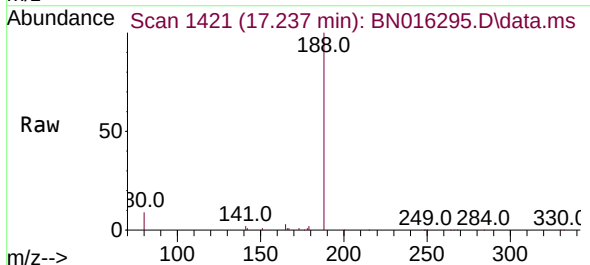
Instrument :  
BNA\_N  
ClientSampleId :  
BP-TT-VPB-RW7-GW-720-722

Tgt Ion:166 Resp: 3714  
Ion Ratio Lower Upper  
166 100  
165 131.0 76.7 115.1#  
167 32.4 10.9 16.3#

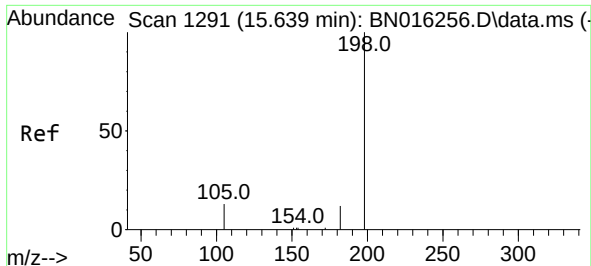


#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.237 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: BN016295.D  
Acq: 10 Sep 2021 17:56

Tgt Ion:188 Resp: 71974  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 8.6 7.0 10.6



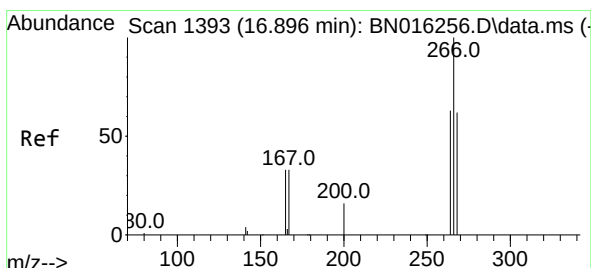
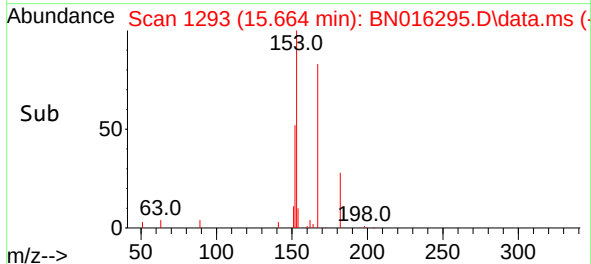
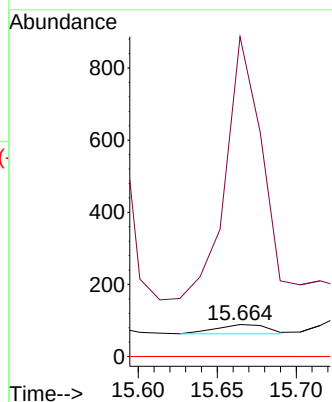
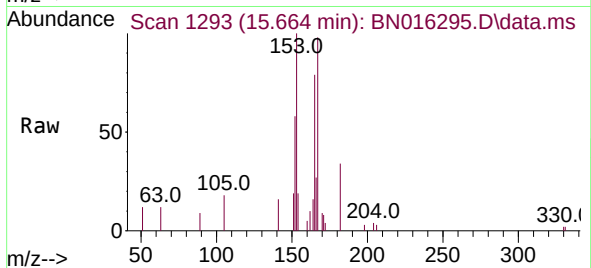




#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.228 ng  
RT: 15.664 min Scan# 1293  
Delta R.T. 0.025 min  
Lab File: BN016295.D  
Acq: 10 Sep 2021 17:56

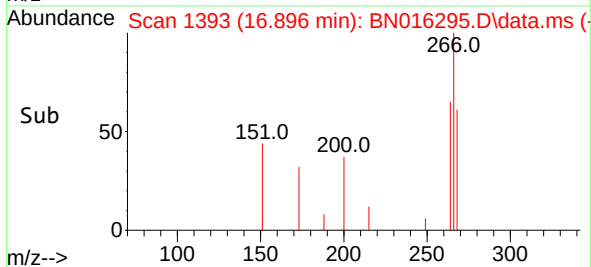
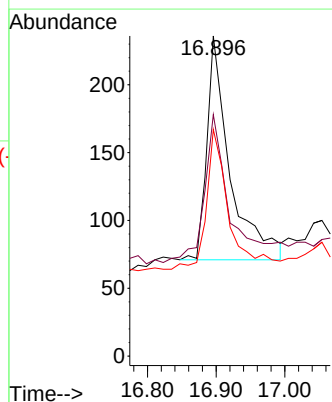
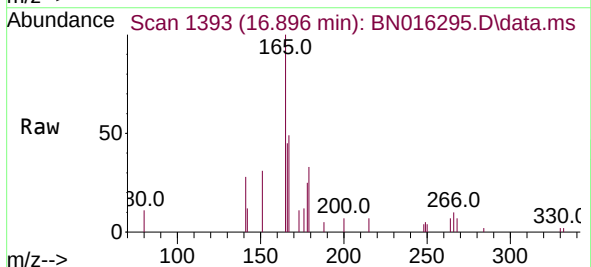
Instrument :  
BNA\_N  
ClientSampleId :  
BP-TT-VPB-RW7-GW-720-722

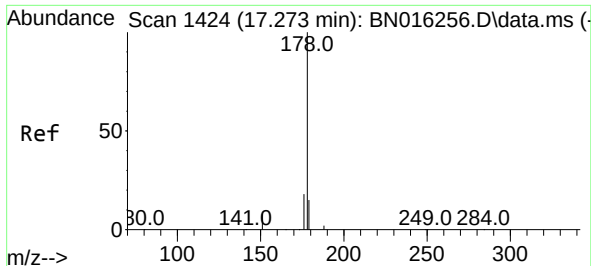
Tgt Ion:198 Resp: 58  
Ion Ratio Lower Upper  
198 100  
182 996.6 26.6 39.8#  
77 0.0 0.0 0.0



#24  
Pentachlorophenol  
Concen: 0.171 ng  
RT: 16.896 min Scan# 1393  
Delta R.T. -0.000 min  
Lab File: BN016295.D  
Acq: 10 Sep 2021 17:56

Tgt Ion:266 Resp: 386  
Ion Ratio Lower Upper  
266 100  
264 76.7 50.6 75.8#  
268 60.4 52.6 79.0

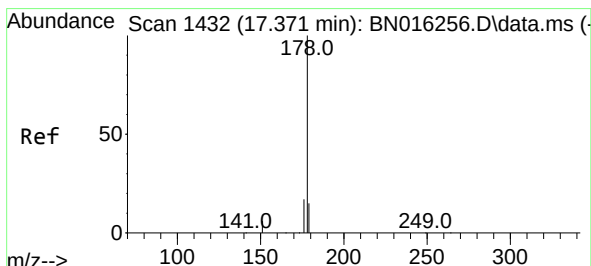
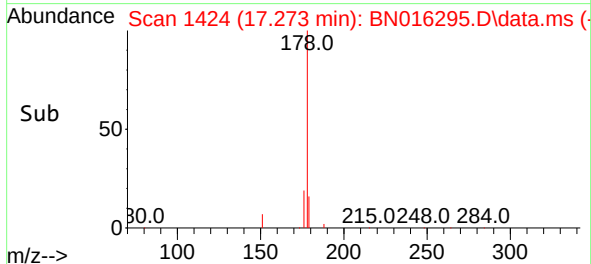
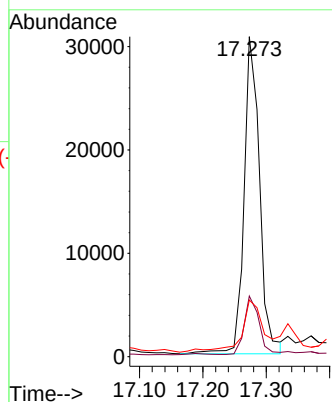
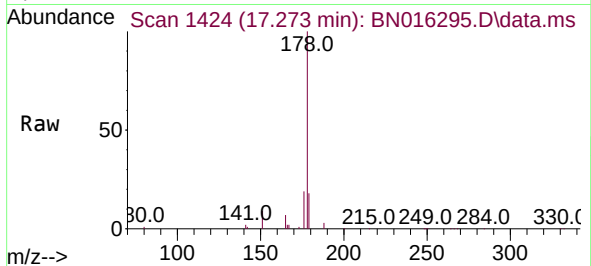




#25  
Phenanthrene  
Concen: 0.250 ng  
RT: 17.273 min Scan# 1424  
Delta R.T. 0.000 min  
Lab File: BN016295.D  
Acq: 10 Sep 2021 17:56

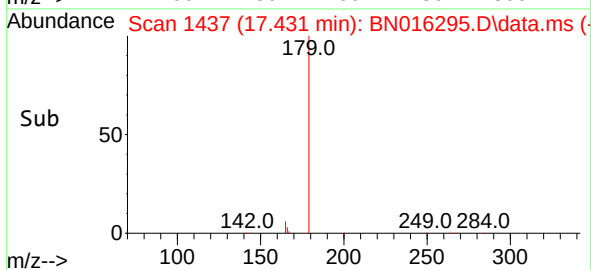
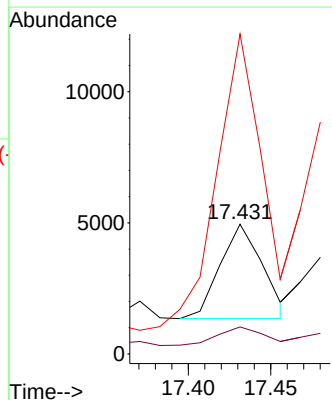
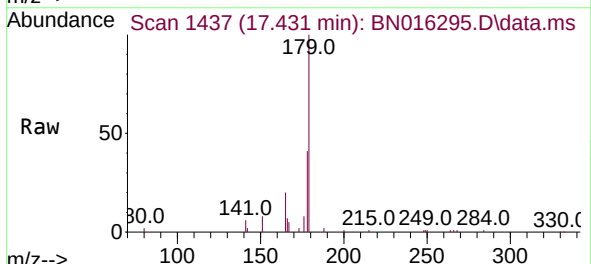
Instrument :  
BNA\_N  
ClientSampleId :  
BP-TT-VPB-RW7-GW-720-722

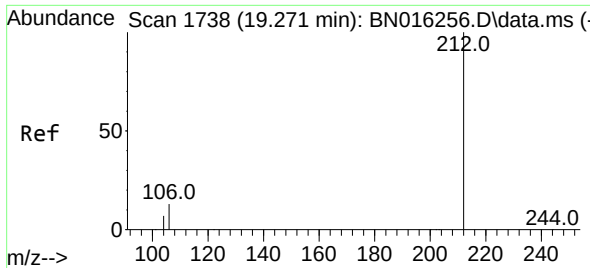
Tgt Ion:178 Resp: 52259  
Ion Ratio Lower Upper  
178 100  
176 19.0 14.4 21.6  
179 22.5 12.2 18.4#



#26  
Anthracene  
Concen: 0.034 ng  
RT: 17.431 min Scan# 1437  
Delta R.T. 0.061 min  
Lab File: BN016295.D  
Acq: 10 Sep 2021 17:56

Tgt Ion:178 Resp: 6453  
Ion Ratio Lower Upper  
178 100  
176 21.1 13.9 20.9#  
179 339.1 12.2 18.4#

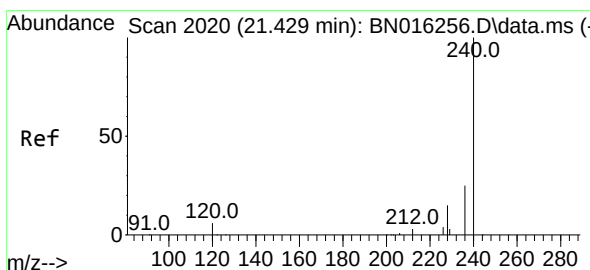
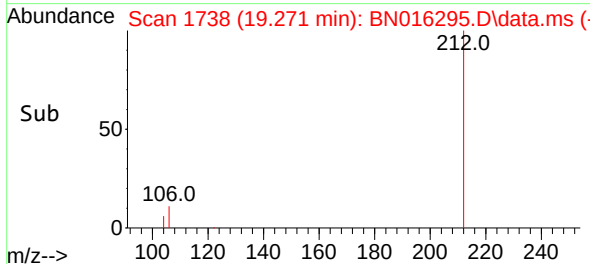
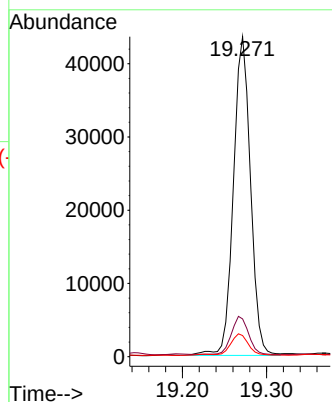
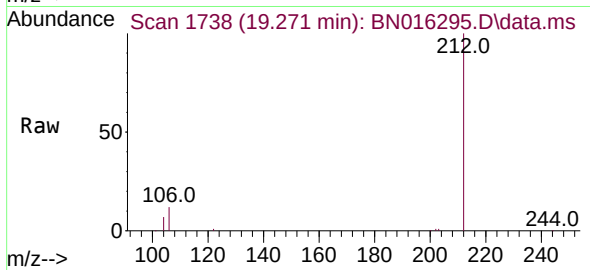




#27  
Fluoranthene-d10  
Concen: 0.291 ng  
RT: 19.271 min Scan# 1738  
Delta R.T. -0.000 min  
Lab File: BN016295.D  
Acq: 10 Sep 2021 17:56

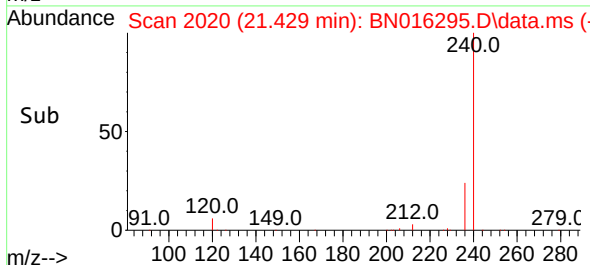
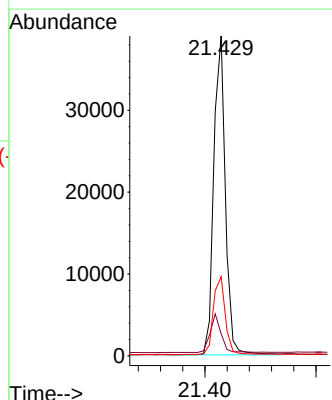
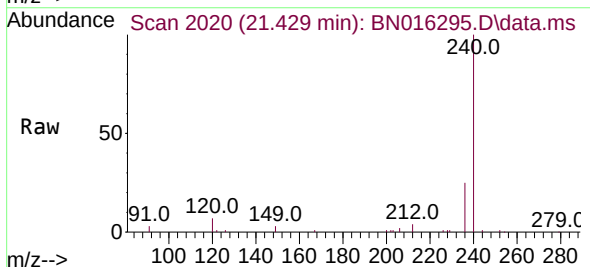
Instrument :  
BNA\_N  
ClientSampleId :  
BP-TT-VPB-RW7-GW-720-722

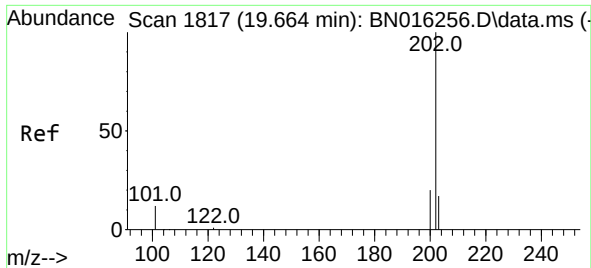
Tgt Ion:212 Resp: 61541  
Ion Ratio Lower Upper  
212 100  
106 12.1 9.8 14.6  
104 6.9 5.4 8.2



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.429 min Scan# 2020  
Delta R.T. 0.000 min  
Lab File: BN016295.D  
Acq: 10 Sep 2021 17:56

Tgt Ion:240 Resp: 56571  
Ion Ratio Lower Upper  
240 100  
120 6.9 5.3 7.9  
236 24.8 19.8 29.8

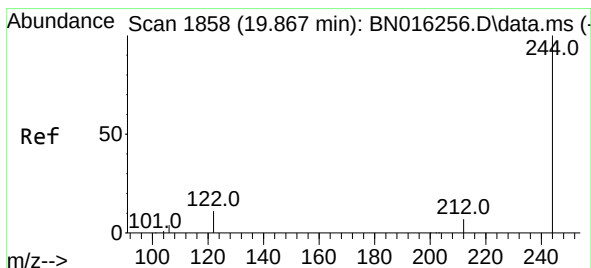
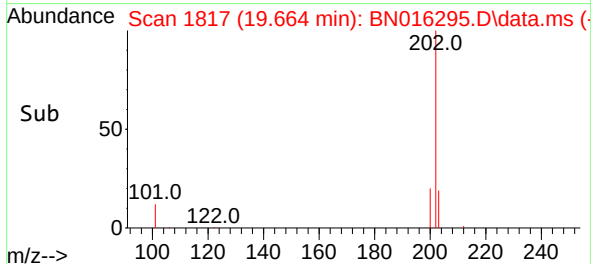
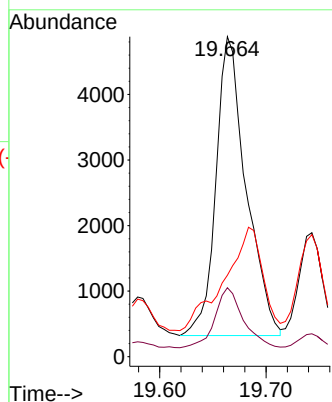
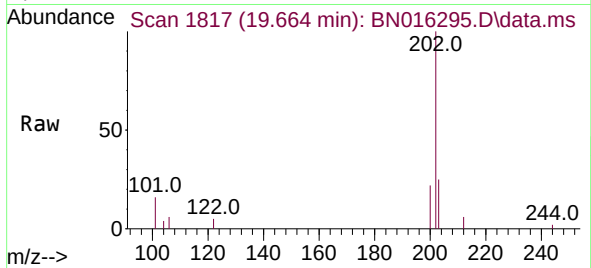




#30  
Pyrene  
Concen: 0.047 ng  
RT: 19.664 min Scan# 1817  
Delta R.T. -0.000 min  
Lab File: BN016295.D  
Acq: 10 Sep 2021 17:56

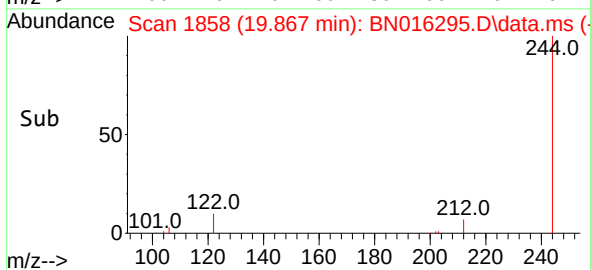
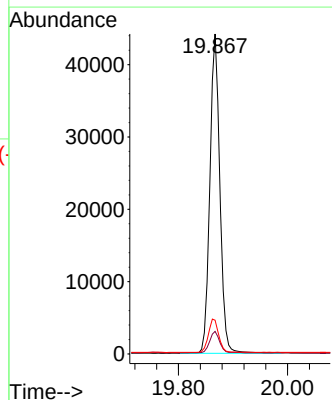
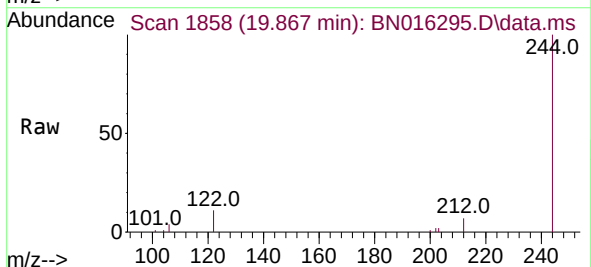
Instrument :  
BNA\_N  
ClientSampleId :  
BP-TT-VPB-RW7-GW-720-722

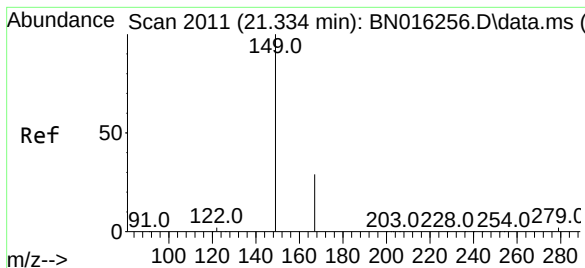
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 8997  |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 18.8  | 15.8  | 23.6  |
| 203       | 43.4  | 13.9  | 20.9# |



#31  
Terphenyl-d14  
Concen: 0.397 ng  
RT: 19.867 min Scan# 1858  
Delta R.T. -0.000 min  
Lab File: BN016295.D  
Acq: 10 Sep 2021 17:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 244   | Resp: | 56338 |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 7.1   | 5.5   | 8.3   |
| 122       | 10.6  | 9.0   | 13.4  |

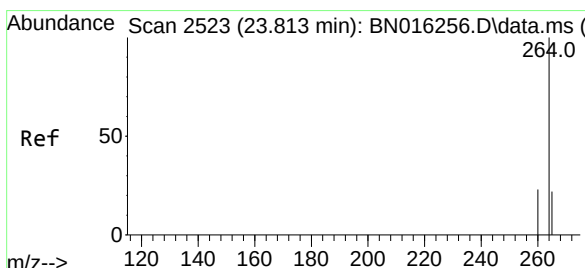
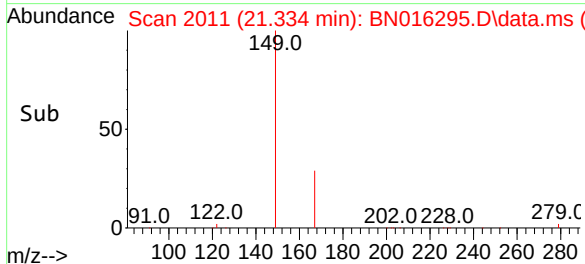
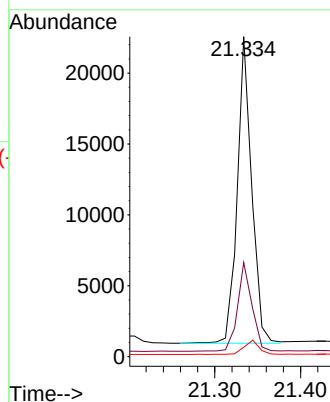
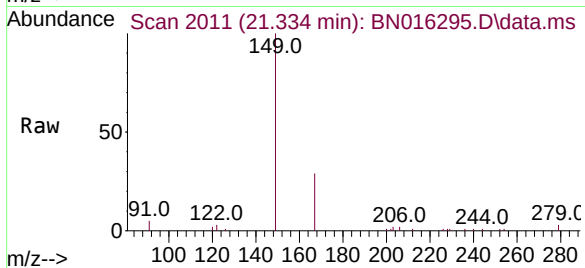




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.232 ng  
 RT: 21.334 min Scan# 2011  
 Delta R.T. 0.000 min  
 Lab File: BN016295.D  
 Acq: 10 Sep 2021 17:56

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-TT-VPB-RW7-GW-720-722

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 25179 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 28.9  | 23.4  | 35.0  |
| 279       | 4.8   | 3.9   | 5.9   |



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.813 min Scan# 2523  
 Delta R.T. 0.000 min  
 Lab File: BN016295.D  
 Acq: 10 Sep 2021 17:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 264   | Resp: | 29693 |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 24.2  | 18.9  | 28.3  |
| 265       | 34.1  | 23.7  | 35.5  |

