

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN012925\  
 Data File : BN036117.D  
 Acq On : 29 Jan 2025 21:07  
 Operator : RC/JU  
 Sample : Q1199-04  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-192-GW-260-262

Quant Time: Jan 30 00:36:33 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN012225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 23 00:34:56 2025  
 Response via : Initial Calibration

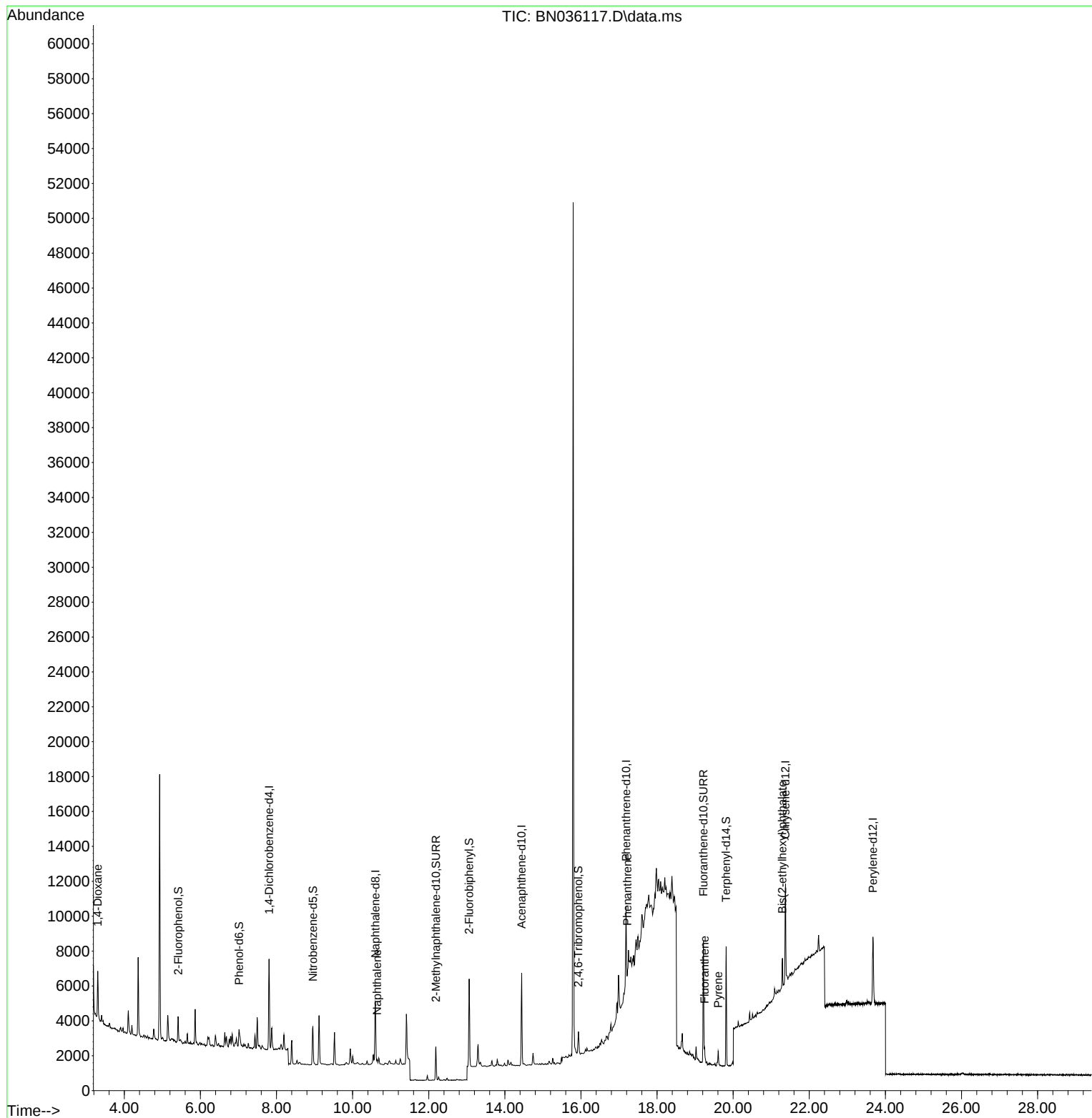
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min)  |
|-------------------------------|--------|------|----------|-------|-------|-----------|
| -----                         |        |      |          |       |       |           |
| Internal Standards            |        |      |          |       |       |           |
| 1) 1,4-Dichlorobenzene-d4     | 7.803  | 152  | 2145     | 0.400 | ng    | -0.01     |
| 7) Naphthalene-d8             | 10.600 | 136  | 5426     | 0.400 | ng    | -0.01     |
| 13) Acenaphthene-d10          | 14.441 | 164  | 2939     | 0.400 | ng    | 0.00      |
| 19) Phenanthrene-d10          | 17.186 | 188  | 6485     | 0.400 | ng    | 0.00      |
| 29) Chrysene-d12              | 21.376 | 240  | 5413     | 0.400 | ng    | # 0.00    |
| 35) Perylene-d12              | 23.672 | 264  | 5178     | 0.400 | ng    | # 0.00    |
| System Monitoring Compounds   |        |      |          |       |       |           |
| 4) 2-Fluorophenol             | 5.419  | 112  | 1044     | 0.187 | ng    | 0.03      |
| 5) Phenol-d6                  | 7.015  | 99   | 832      | 0.127 | ng    | 0.04      |
| 8) Nitrobenzene-d5            | 8.956  | 82   | 1721     | 0.336 | ng    | 0.00      |
| 11) 2-Methylnaphthalene-d10   | 12.187 | 152  | 2566     | 0.348 | ng    | -0.01     |
| 14) 2,4,6-Tribromophenol      | 15.933 | 330  | 663      | 0.352 | ng    | 0.00      |
| 15) 2-Fluorobiphenyl          | 13.062 | 172  | 4208     | 0.321 | ng    | 0.00      |
| 27) Fluoranthene-d10          | 19.216 | 212  | 7943     | 0.473 | ng    | 0.00      |
| 31) Terphenyl-d14             | 19.815 | 244  | 6452     | 0.574 | ng    | 0.00      |
| Target Compounds              |        |      |          |       |       |           |
| 2) 1,4-Dioxane                | 3.303  | 88   | 1618     | 0.675 | ng    | Qvalue 91 |
| 9) Naphthalene                | 10.643 | 128  | 343      | 0.022 | ng    | # 60      |
| 25) Phenanthrene              | 17.223 | 178  | 1069     | 0.055 | ng    | # 28      |
| 28) Fluoranthene              | 19.248 | 202  | 541      | 0.024 | ng    | # 72      |
| 30) Pyrene                    | 19.611 | 202  | 460      | 0.021 | ng    | # 93      |
| 34) Bis(2-ethylhexyl)phtha... | 21.295 | 149  | 1569     | 0.146 | ng    | 96        |
| -----                         |        |      |          |       |       |           |

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

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Sample : Q1199-04  
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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-192-GW-260-262

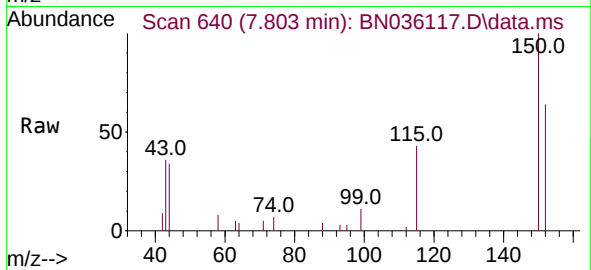
Quant Time: Jan 30 00:36:33 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN012225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jan 23 00:34:56 2025  
Response via : Initial Calibration



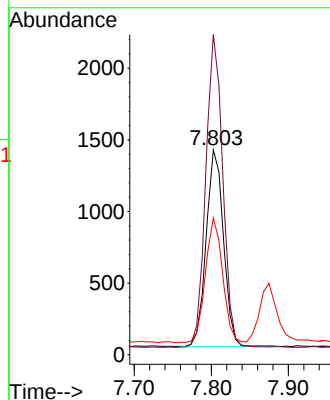
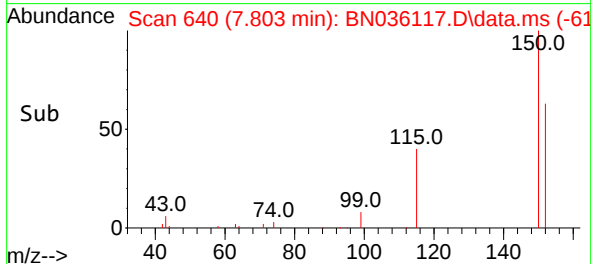


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.803 min Scan# 64  
 Delta R.T. -0.014 min  
 Lab File: BN036117.D  
 Acq: 29 Jan 2025 21:07

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-192-GW-260-262

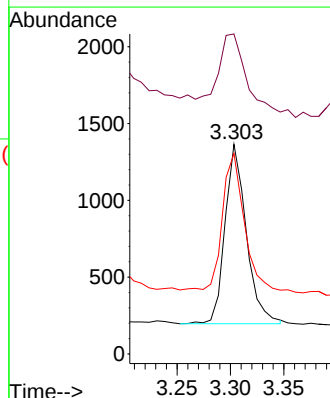
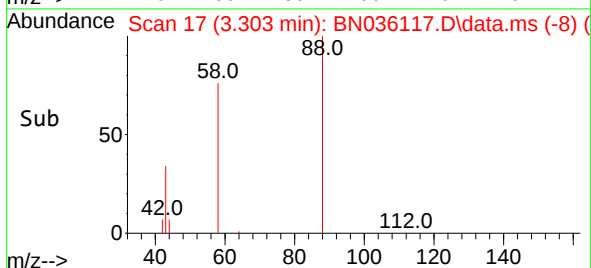
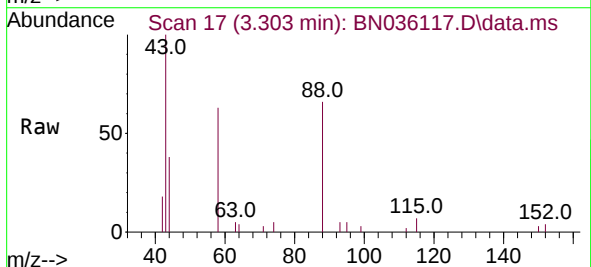


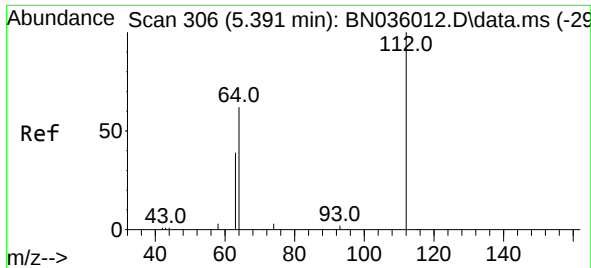
Tgt Ion:152 Resp: 2145  
 Ion Ratio Lower Upper  
 152 100  
 150 156.2 117.4 176.2  
 115 66.7 51.0 76.4



#2  
 1,4-Dioxane  
 Concen: 0.675 ng  
 RT: 3.303 min Scan# 17  
 Delta R.T. -0.007 min  
 Lab File: BN036117.D  
 Acq: 29 Jan 2025 21:07

Tgt Ion: 88 Resp: 1618  
 Ion Ratio Lower Upper  
 88 100  
 43 56.9 38.5 57.7  
 58 76.5 66.6 99.8

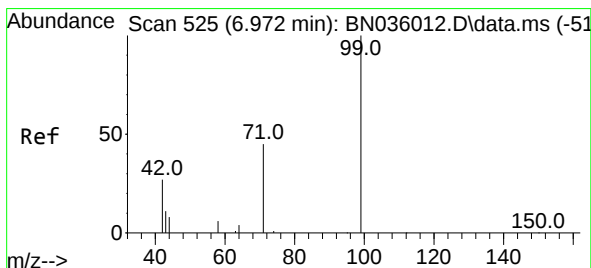
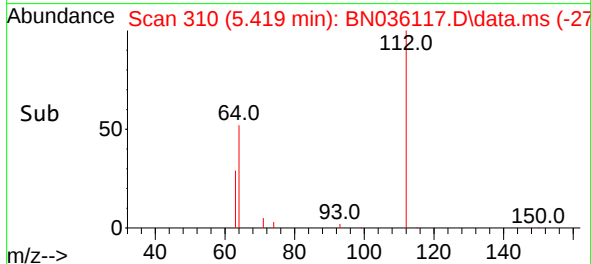
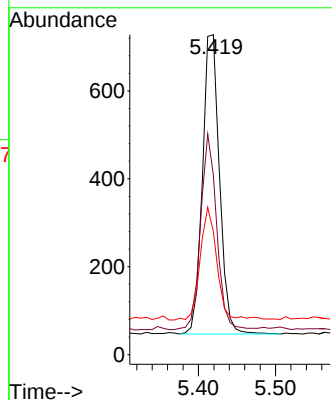
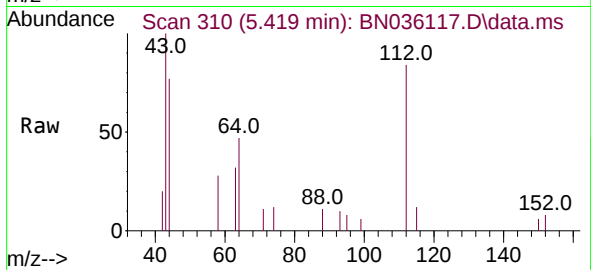




#4  
2-Fluorophenol  
Concen: 0.187 ng  
RT: 5.419 min Scan# 310  
Delta R.T. 0.029 min  
Lab File: BN036117.D  
Acq: 29 Jan 2025 21:07

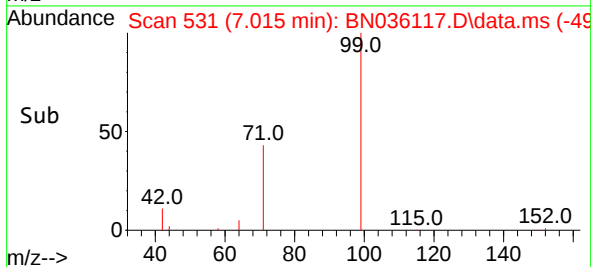
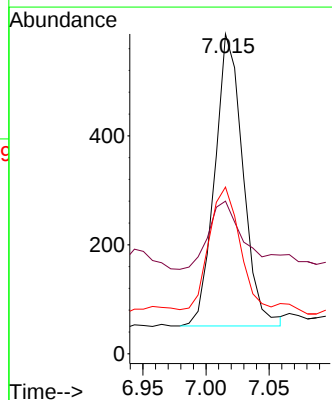
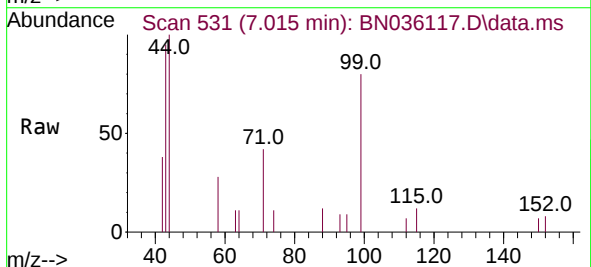
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-192-GW-260-262

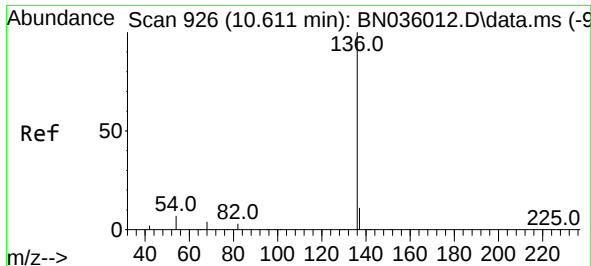
Tgt Ion:112 Resp: 1044  
Ion Ratio Lower Upper  
112 100  
64 61.7 50.0 75.0  
63 36.9 30.7 46.1



#5  
Phenol-d6  
Concen: 0.127 ng  
RT: 7.015 min Scan# 531  
Delta R.T. 0.043 min  
Lab File: BN036117.D  
Acq: 29 Jan 2025 21:07

Tgt Ion: 99 Resp: 832  
Ion Ratio Lower Upper  
99 100  
42 40.6 26.8 40.2#  
71 45.3 36.6 55.0

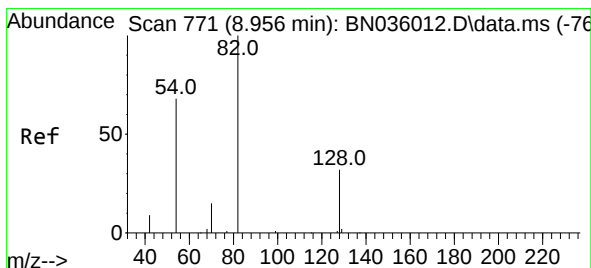
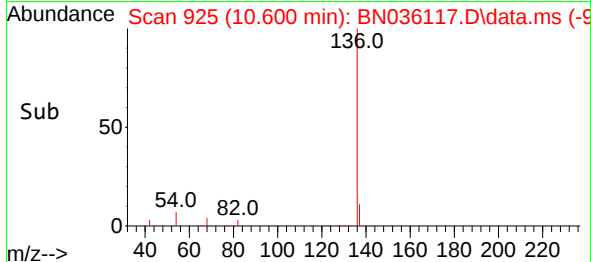
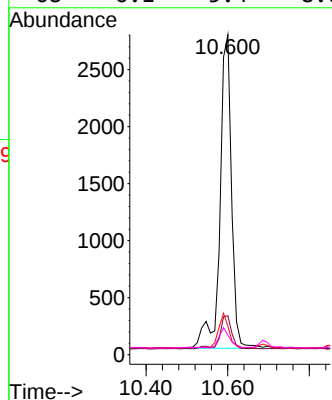
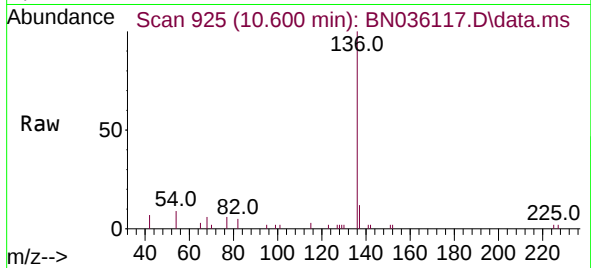




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.600 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: BN036117.D  
Acq: 29 Jan 2025 21:07

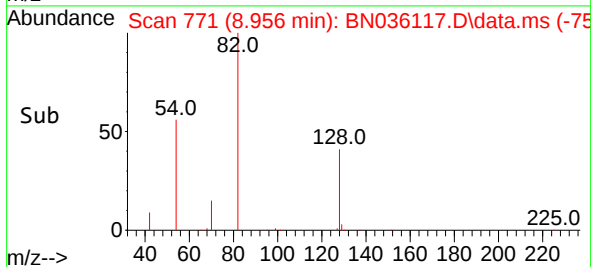
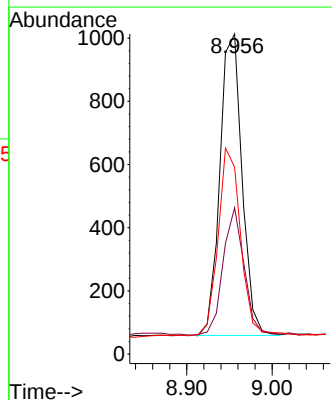
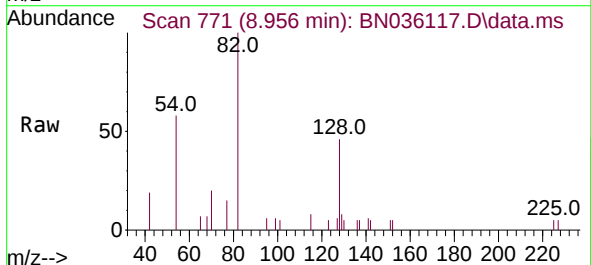
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-192-GW-260-262

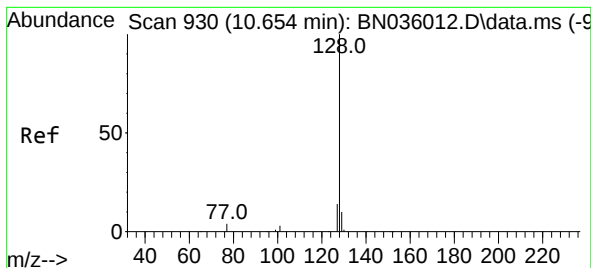
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 5426  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 12.2  | 10.4  | 15.6  |
| 54       | 8.9   | 7.7   | 11.5  |
| 68       | 6.1   | 5.4   | 8.0   |



#8  
Nitrobenzene-d5  
Concen: 0.336 ng  
RT: 8.956 min Scan# 771  
Delta R.T. -0.000 min  
Lab File: BN036117.D  
Acq: 29 Jan 2025 21:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 1721  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 45.7  | 28.8  | 43.2# |
| 54       | 58.4  | 55.8  | 83.8  |





#9

Naphthalene

Concen: 0.022 ng

RT: 10.643 min Scan# 91

Delta R.T. -0.011 min

Lab File: BN036117.D

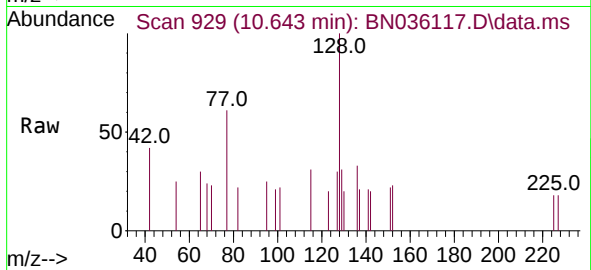
Acq: 29 Jan 2025 21:07

Instrument :

BNA\_N

ClientSampleId :

BP-VPB-192-GW-260-262



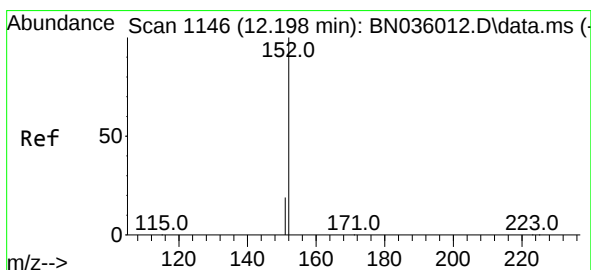
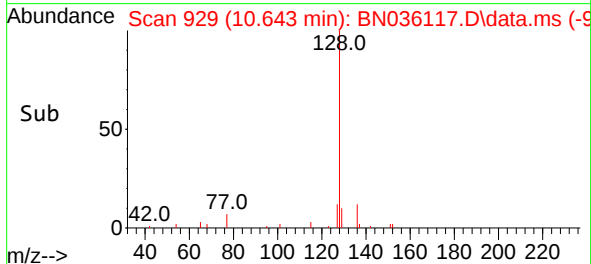
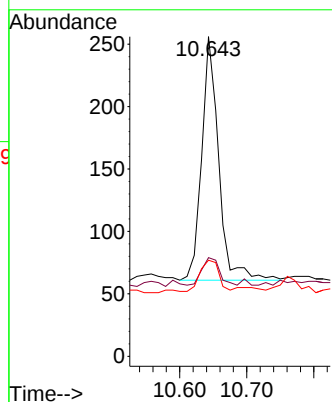
Tgt Ion:128 Resp: 343

Ion Ratio Lower Upper

128 100

129 30.9 9.4 14.2#

127 30.1 12.6 19.0#



#11

2-Methylnaphthalene-d10

Concen: 0.348 ng

RT: 12.187 min Scan# 1144

Delta R.T. -0.010 min

Lab File: BN036117.D

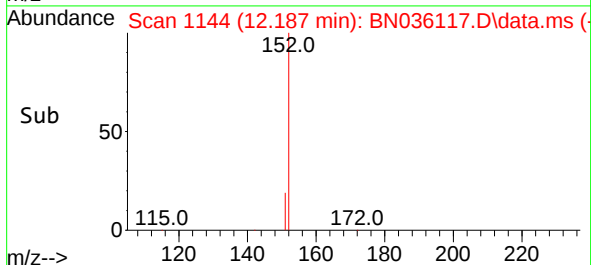
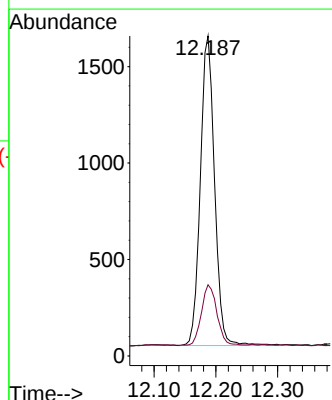
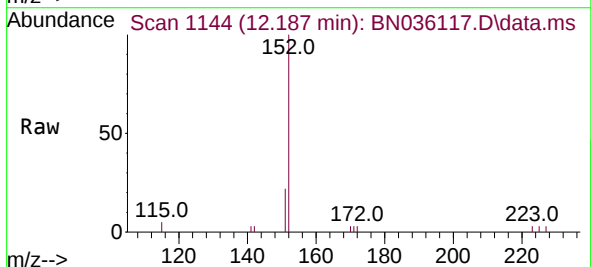
Acq: 29 Jan 2025 21:07

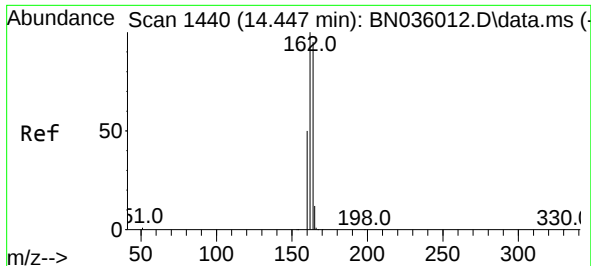
Tgt Ion:152 Resp: 2566

Ion Ratio Lower Upper

152 100

151 21.1 16.6 25.0

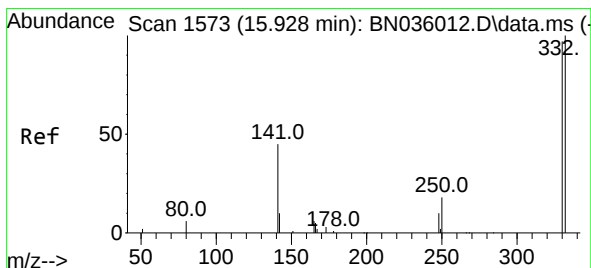
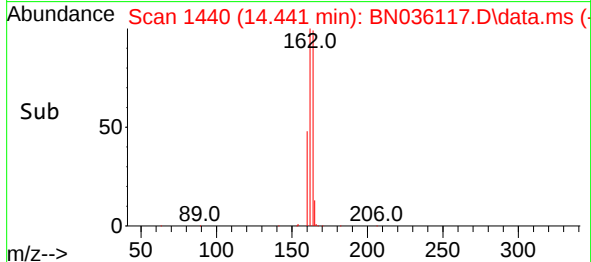
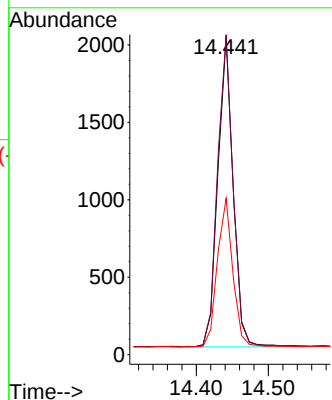
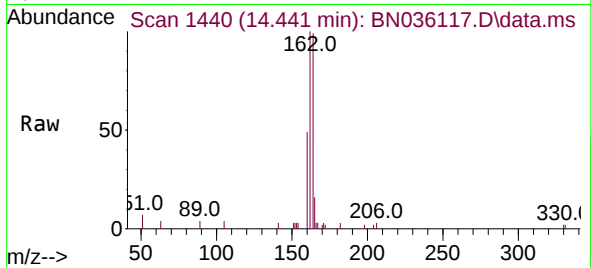




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.441 min Scan# 1440  
Delta R.T. -0.006 min  
Lab File: BN036117.D  
Acq: 29 Jan 2025 21:07

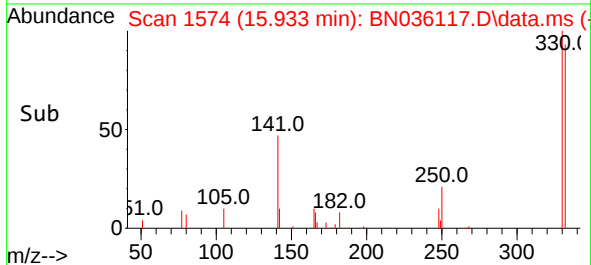
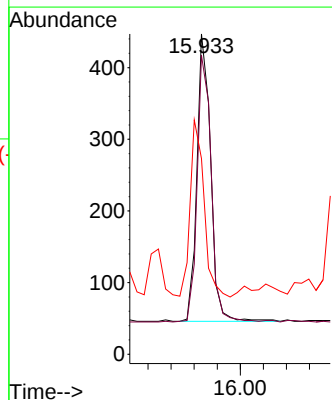
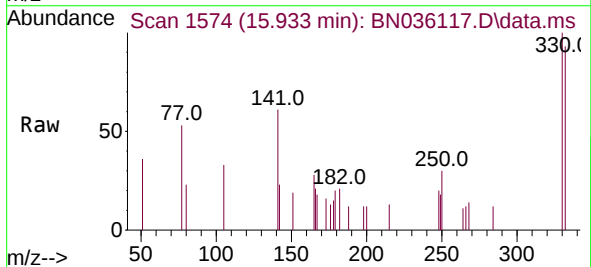
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-192-GW-260-262

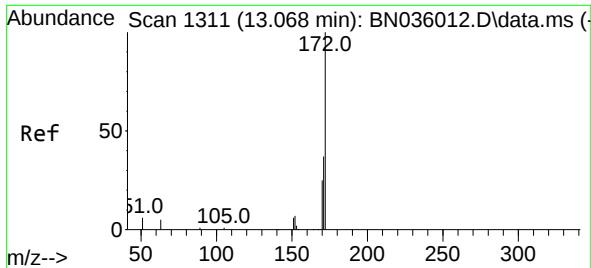
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Ion Ratio Lower Upper  
164 100  
162 100.7 84.1 126.1  
160 49.2 43.8 65.8



#14  
2,4,6-Tribromophenol  
Concen: 0.352 ng  
RT: 15.933 min Scan# 1574  
Delta R.T. 0.005 min  
Lab File: BN036117.D  
Acq: 29 Jan 2025 21:07

Tgt Ion:330 Resp: 663  
Ion Ratio Lower Upper  
330 100  
332 95.0 81.0 121.4  
141 61.7 36.7 55.1#

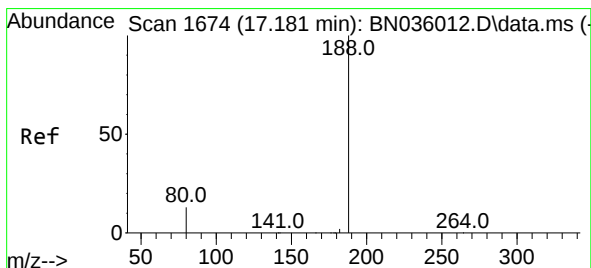
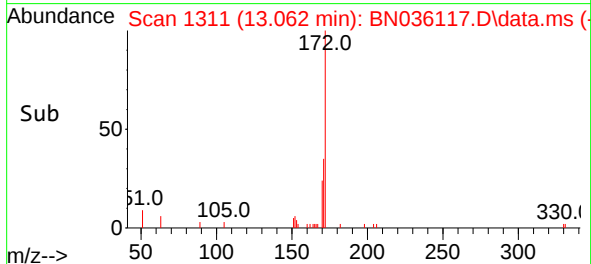
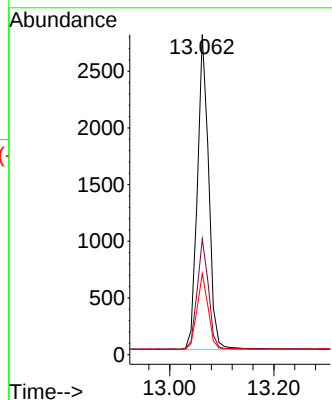
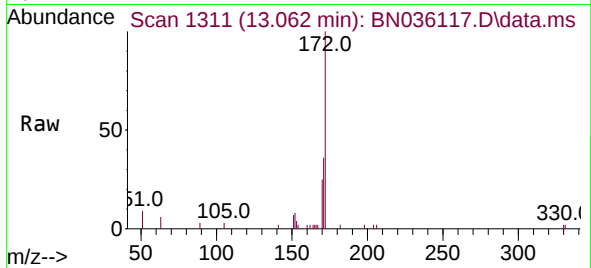




#15  
2-Fluorobiphenyl  
Concen: 0.321 ng  
RT: 13.062 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BN036117.D  
Acq: 29 Jan 2025 21:07

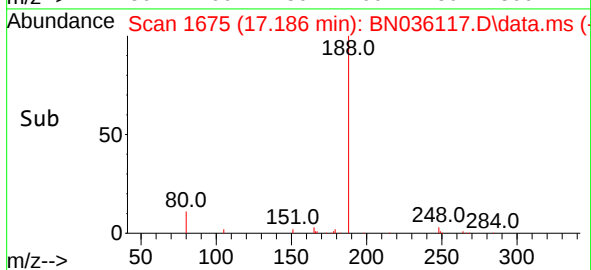
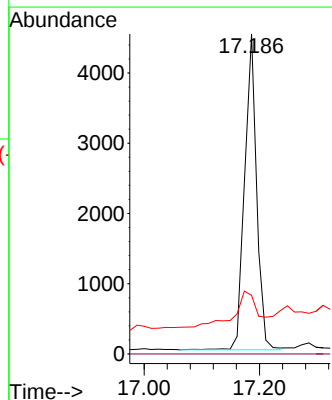
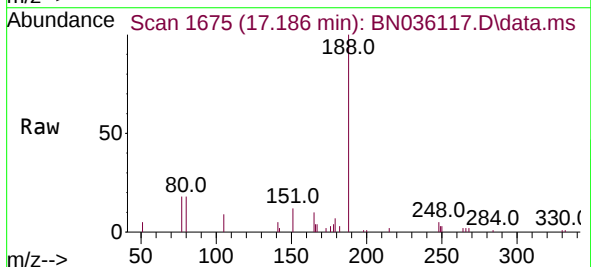
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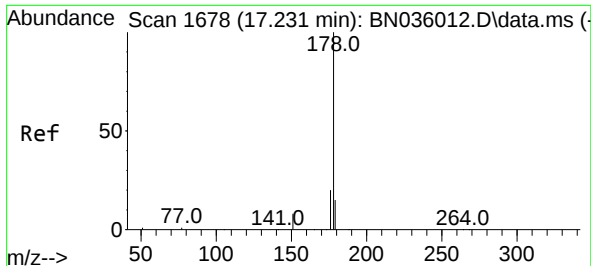
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|----------|-------|-------|-------|
| Tgt Ion: | 172   | Resp: | 4208  |
| Ion      | Ratio | Lower | Upper |
| 172      | 100   |       |       |
| 171      | 36.2  | 30.9  | 46.3  |
| 170      | 25.3  | 21.2  | 31.8  |



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.186 min Scan# 1675  
Delta R.T. 0.005 min  
Lab File: BN036117.D  
Acq: 29 Jan 2025 21:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 188   | Resp: | 6485  |
| Ion      | Ratio | Lower | Upper |
| 188      | 100   |       |       |
| 94       | 0.0   | 0.0   | 0.0   |
| 80       | 18.3  | 12.3  | 18.5  |

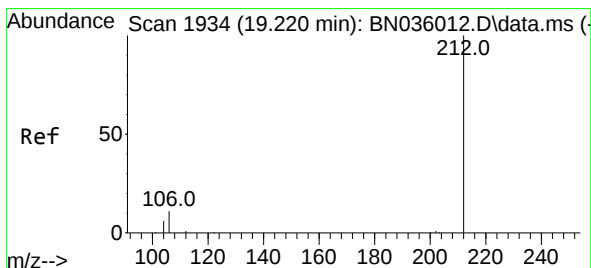
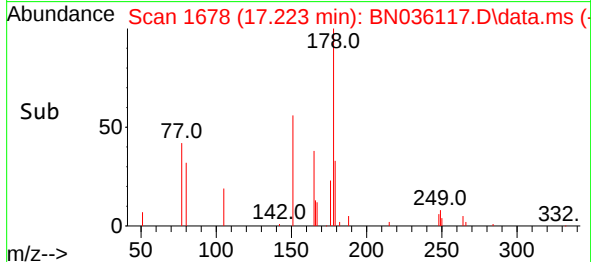
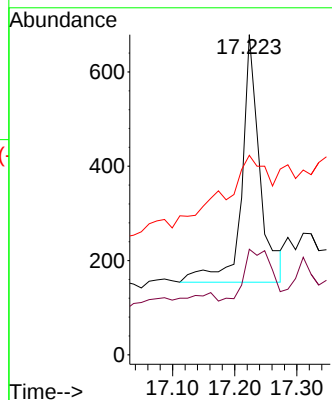
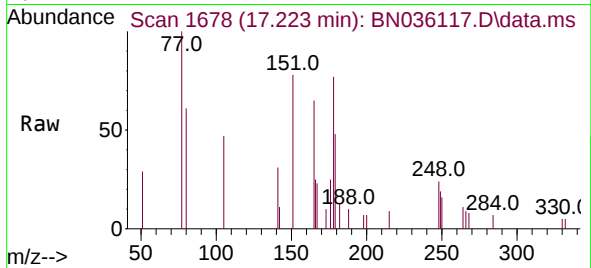




#25  
Phenanthrene  
Concen: 0.055 ng  
RT: 17.223 min Scan# 1678  
Delta R.T. -0.007 min  
Lab File: BN036117.D  
Acq: 29 Jan 2025 21:07

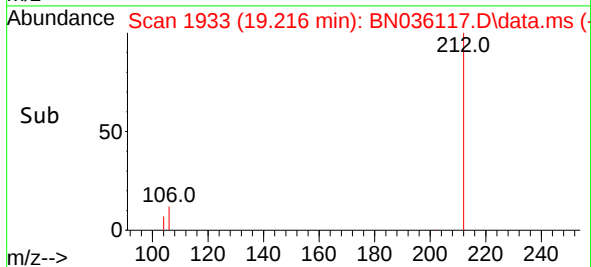
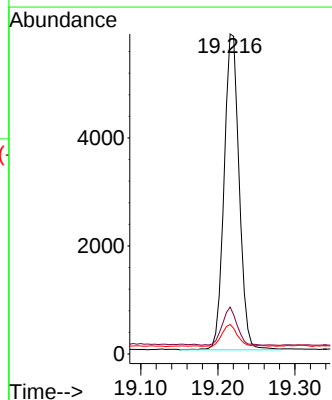
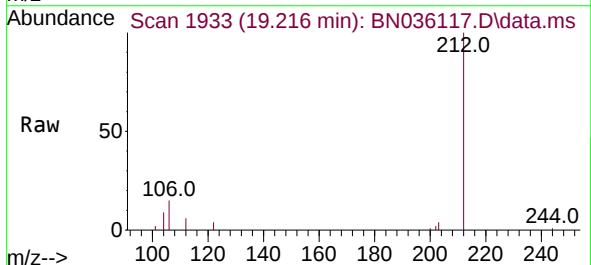
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-192-GW-260-262

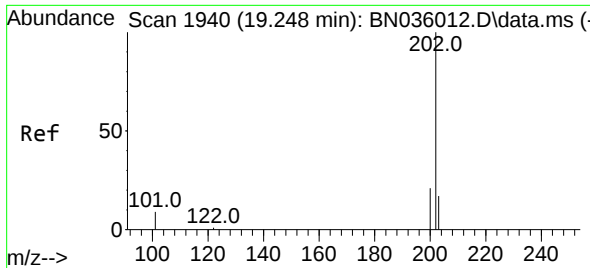
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Ion Ratio Lower Upper  
178 100  
176 31.0 16.0 24.0#  
179 71.5 12.4 18.6#



#27  
Fluoranthene-d10  
Concen: 0.473 ng  
RT: 19.216 min Scan# 1933  
Delta R.T. -0.004 min  
Lab File: BN036117.D  
Acq: 29 Jan 2025 21:07

Tgt Ion:212 Resp: 7943  
Ion Ratio Lower Upper  
212 100  
106 11.7 9.7 14.5  
104 6.9 6.0 9.0

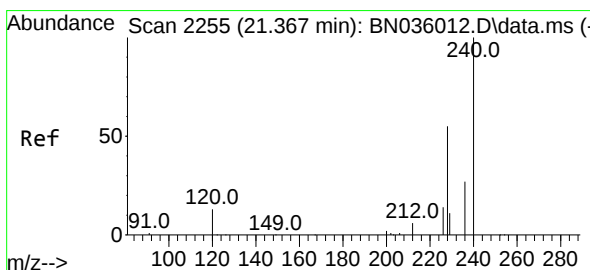
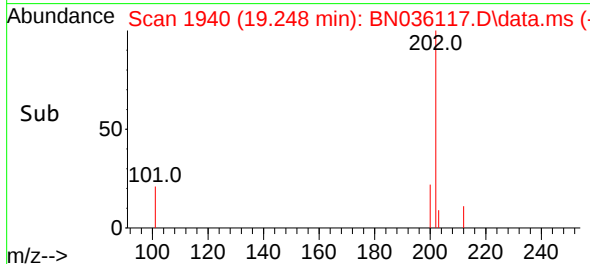
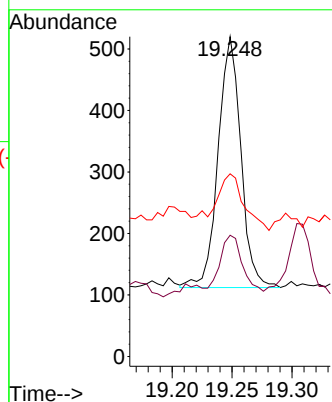
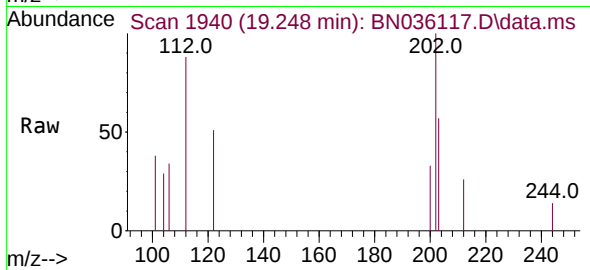




#28  
Fluoranthene  
Concen: 0.024 ng  
RT: 19.248 min Scan# 1940  
Delta R.T. 0.000 min  
Lab File: BN036117.D  
Acq: 29 Jan 2025 21:07

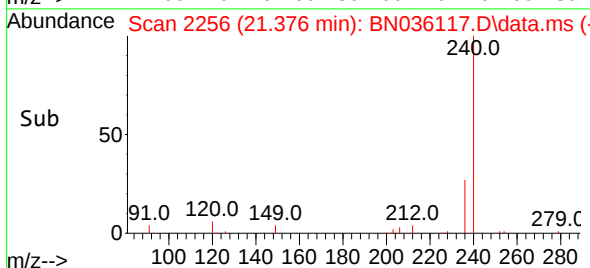
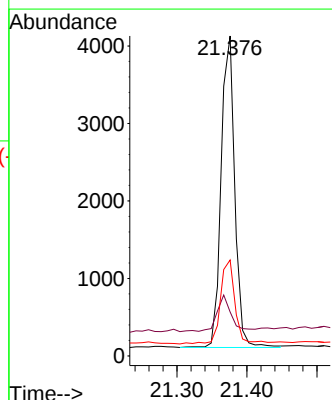
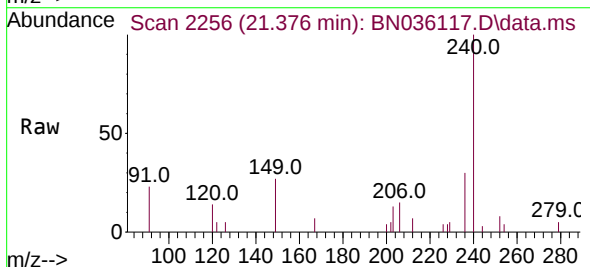
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-192-GW-260-262

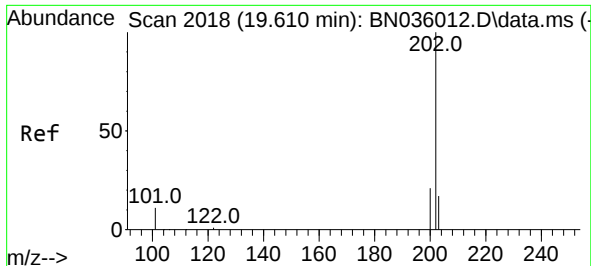
Tgt Ion:202 Resp: 541  
Ion Ratio Lower Upper  
202 100  
101 22.4 7.6 11.4#  
203 27.9 13.8 20.6#



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.376 min Scan# 2256  
Delta R.T. 0.009 min  
Lab File: BN036117.D  
Acq: 29 Jan 2025 21:07

Tgt Ion:240 Resp: 5413  
Ion Ratio Lower Upper  
240 100  
120 13.8 13.9 20.9#  
236 30.0 23.7 35.5

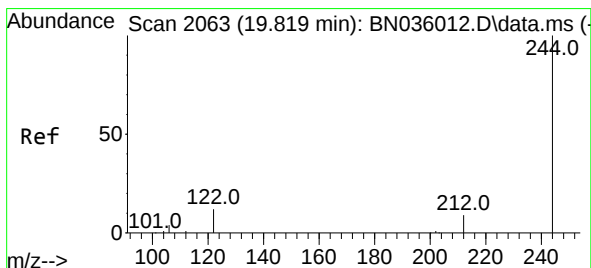
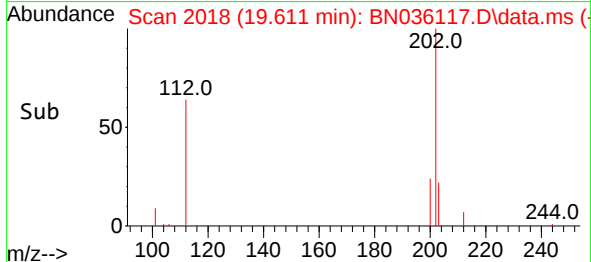
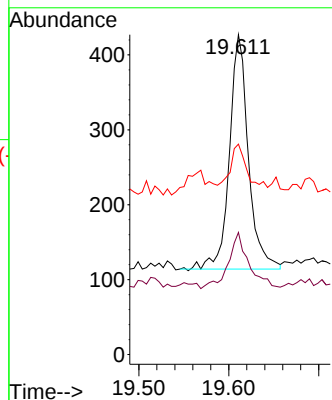
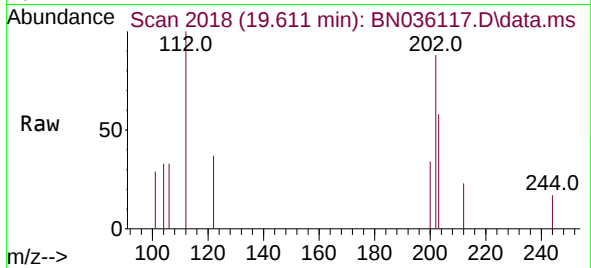




#30  
Pyrene  
Concen: 0.021 ng  
RT: 19.611 min Scan# 2018  
Delta R.T. 0.000 min  
Lab File: BN036117.D  
Acq: 29 Jan 2025 21:07

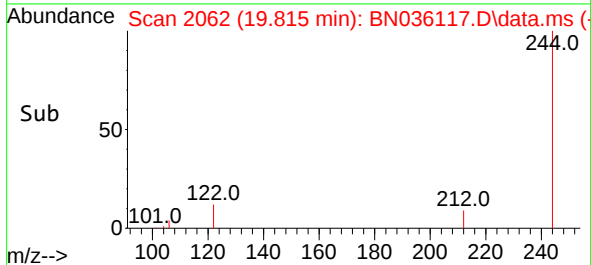
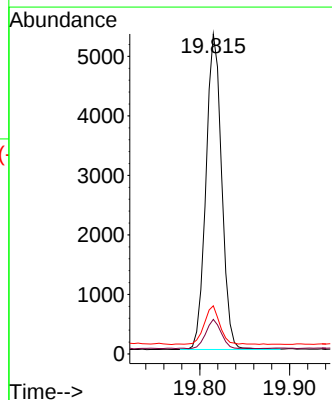
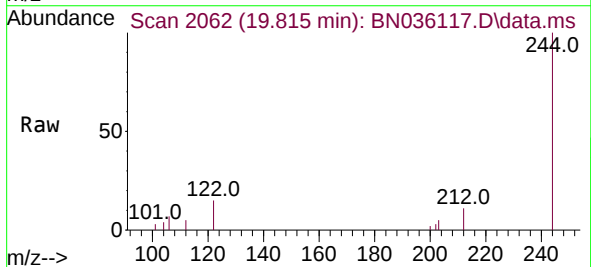
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-192-GW-260-262

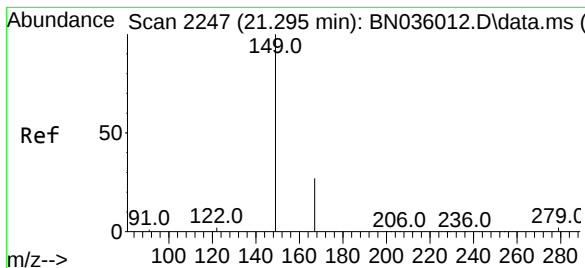
Tgt Ion:202 Resp: 460  
Ion Ratio Lower Upper  
202 100  
200 26.1 17.0 25.4#  
203 16.7 14.4 21.6



#31  
Terphenyl-d14  
Concen: 0.574 ng  
RT: 19.815 min Scan# 2062  
Delta R.T. -0.004 min  
Lab File: BN036117.D  
Acq: 29 Jan 2025 21:07

Tgt Ion:244 Resp: 6452  
Ion Ratio Lower Upper  
244 100  
212 10.8 9.1 13.7  
122 15.0 11.3 16.9

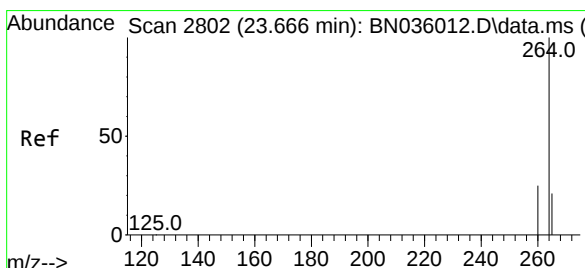
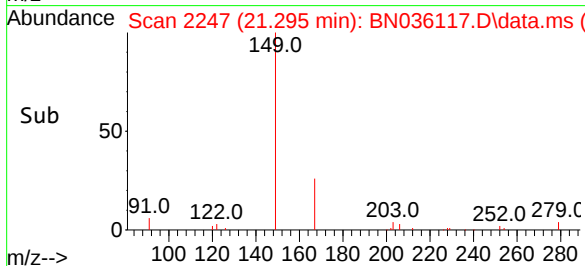
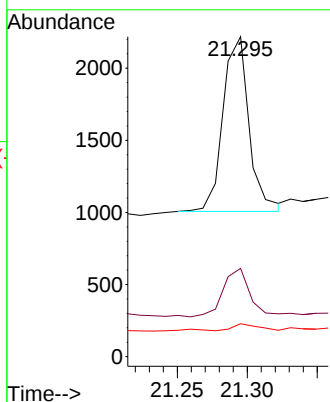
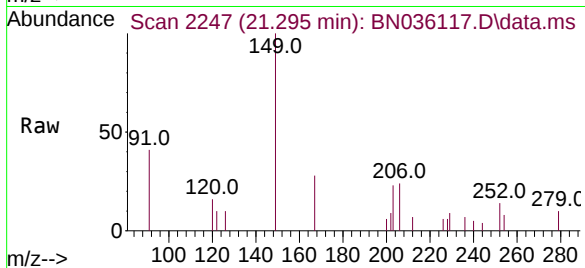




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.146 ng  
 RT: 21.295 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BN036117.D  
 Acq: 29 Jan 2025 21:07

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-192-GW-260-262

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 149   | Resp: | 1569  |
| Ion      | Ratio | Lower | Upper |
| 149      | 100   |       |       |
| 167      | 30.0  | 21.9  | 32.9  |
| 279      | 4.0   | 3.0   | 4.6   |



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.672 min Scan# 2804  
 Delta R.T. 0.006 min  
 Lab File: BN036117.D  
 Acq: 29 Jan 2025 21:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 264   | Resp: | 5178  |
| Ion      | Ratio | Lower | Upper |
| 264      | 100   |       |       |
| 260      | 26.7  | 21.8  | 32.6  |
| 265      | 122.6 | 56.6  | 84.8# |

