

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062622\  
 Data File : BN020497.D  
 Acq On : 27 Jun 2022 12:59  
 Operator : CG/JU  
 Sample : N3354-02  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Jun 28 00:34:09 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN062622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 27 02:03:21 2022  
 Response via : Initial Calibration

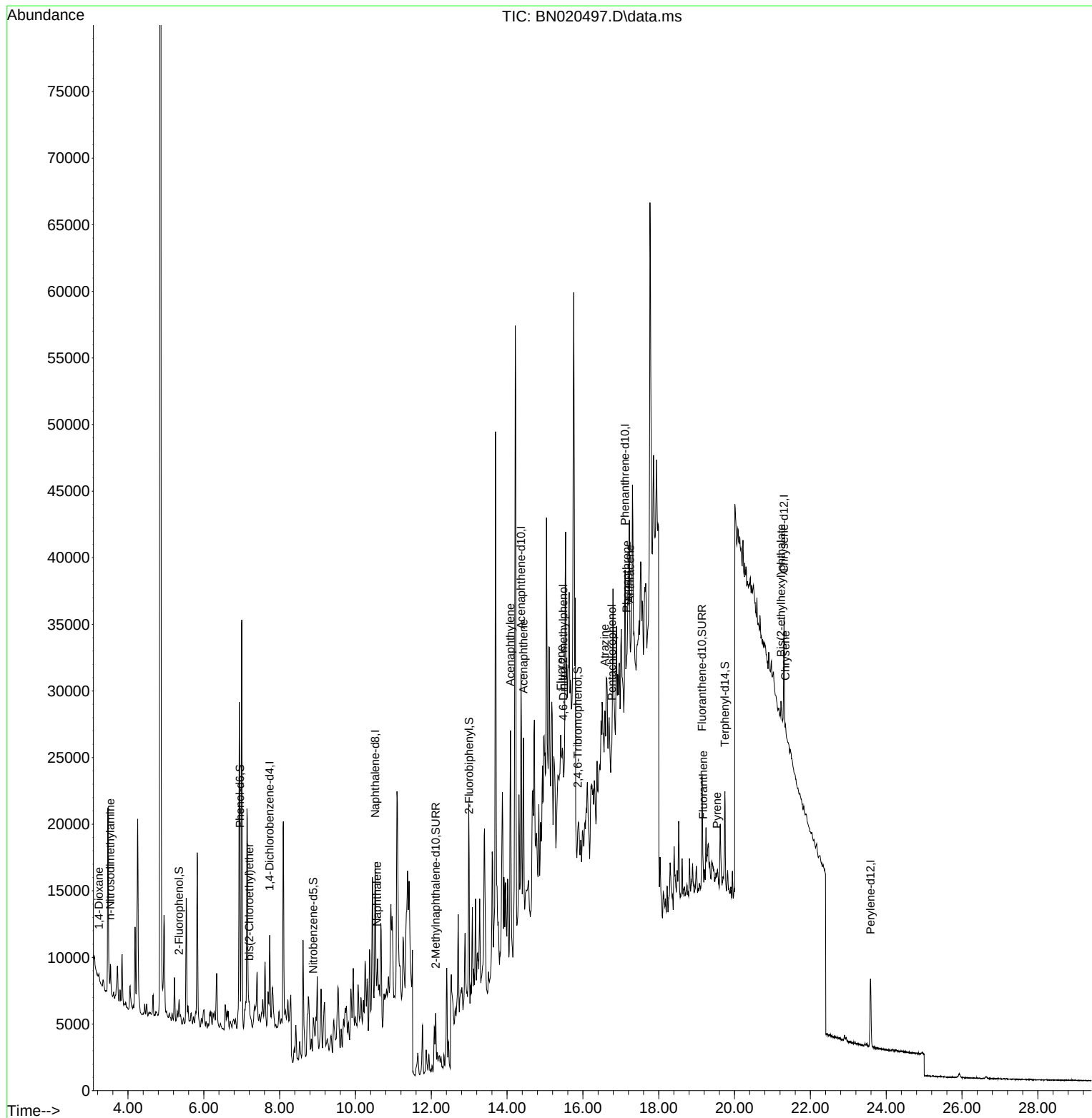
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.739  | 152  | 3227     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.520 | 136  | 10466    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.367 | 164  | 10776    | 0.400 | ng    | # 0.00   |
| 19) Phenanthrene-d10          | 17.113 | 188  | 9980     | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.306 | 240  | 7421     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.586 | 264  | 7153     | 0.400 | ng    | #-0.01   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.348  | 112  | 1531     | 0.171 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.952  | 99   | 1042     | 0.097 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.886  | 82   | 2623     | 0.309 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.117 | 152  | 7093     | 0.395 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.861 | 330  | 847      | 0.209 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.998 | 172  | 8154     | 0.183 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.143 | 212  | 11151    | 0.376 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.746 | 244  | 6906     | 0.389 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.232  | 88   | 154      | 0.036 | ng    | # 1      |
| 3) n-Nitrosodimethylamine     | 3.535  | 42   | 244      | 0.063 | ng    | # 5      |
| 6) bis(2-Chloroethyl)ether    | 7.204  | 93   | 312      | 0.034 | ng    | # 43     |
| 9) Naphthalene                | 10.573 | 128  | 1484     | 0.047 | ng    | # 19     |
| 16) Acenaphthylene            | 14.089 | 152  | 2214     | 0.043 | ng    | # 1      |
| 17) Acenaphthene              | 14.431 | 154  | 6186     | 0.176 | ng    | 92       |
| 18) Fluorene                  | 15.415 | 166  | 1182     | 0.026 | ng    | # 78     |
| 20) 4,6-Dinitro-2-methylph... | 15.479 | 198  | 80       | 0.266 | ng    | # 1      |
| 23) Atrazine                  | 16.579 | 200  | 356      | 0.078 | ng    | # 1      |
| 24) Pentachlorophenol         | 16.764 | 266  | 62       | 0.214 | ng    | # 18     |
| 25) Phenanthrene              | 17.154 | 178  | 690      | 0.021 | ng    | # 1      |
| 26) Anthracene                | 17.246 | 178  | 594      | 0.020 | ng    | # 1      |
| 28) Fluoranthene              | 19.173 | 202  | 1243     | 0.034 | ng    | # 58     |
| 30) Pyrene                    | 19.539 | 202  | 1490     | 0.047 | ng    | # 92     |
| 33) Chrysene                  | 21.342 | 228  | 699      | 0.024 | ng    | # 1      |
| 34) Bis(2-ethylhexyl)phtha... | 21.225 | 149  | 1342     | 0.090 | ng    | # 80     |
| -----                         |        |      |          |       |       |          |

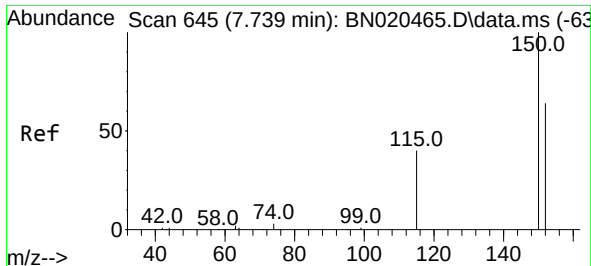
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062622\  
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Operator : CG/JU  
Sample : N3354-02  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :

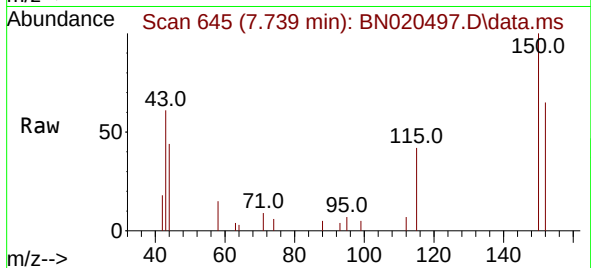
Quant Time: Jun 28 00:34:09 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN062622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 27 02:03:21 2022  
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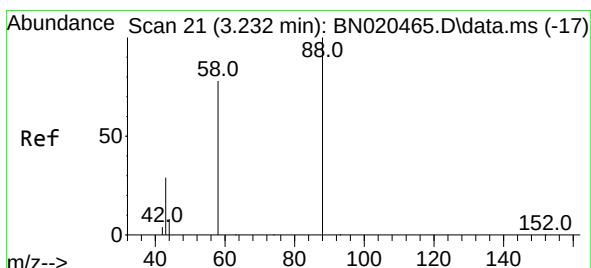
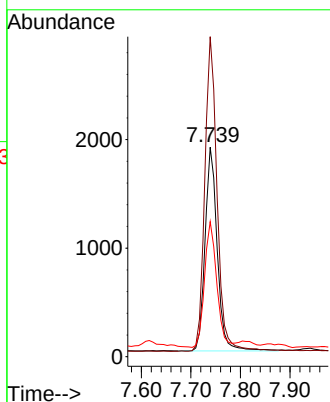
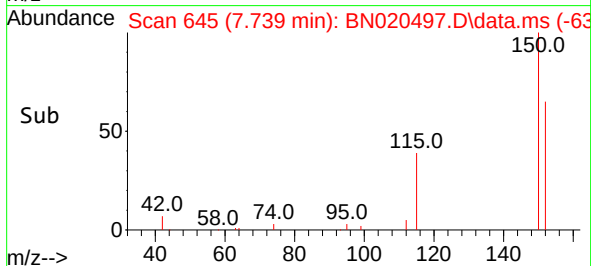


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.739 min Scan# 64  
 Delta R.T. -0.000 min  
 Lab File: BN020497.D  
 Acq: 27 Jun 2022 12:59

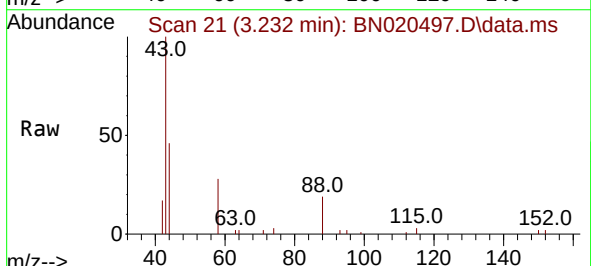
Instrument :  
 BNA\_N  
 ClientSampleId :



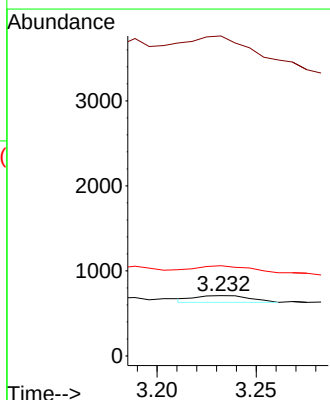
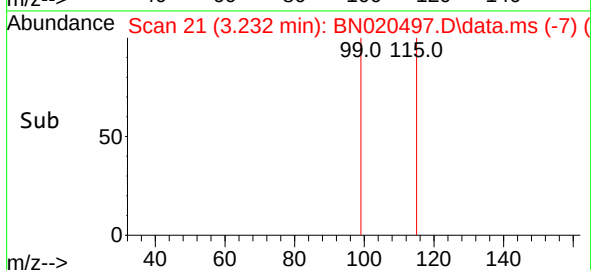
Tgt Ion:152 Resp: 3227  
 Ion Ratio Lower Upper  
 152 100  
 150 152.7 127.9 191.9  
 115 64.5 51.4 77.2

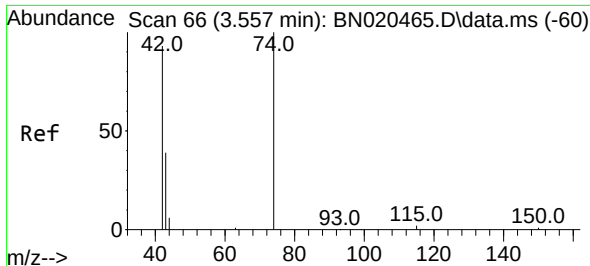


#2  
 1,4-Dioxane  
 Concen: 0.036 ng  
 RT: 3.232 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: BN020497.D  
 Acq: 27 Jun 2022 12:59



Tgt Ion: 88 Resp: 154  
 Ion Ratio Lower Upper  
 88 100  
 43 370.8 30.2 45.2#  
 58 98.1 73.0 109.6

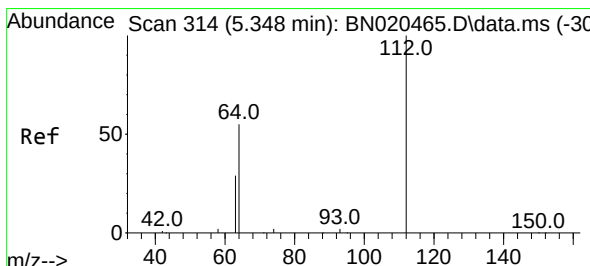
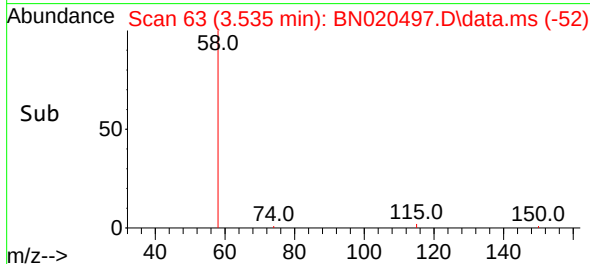
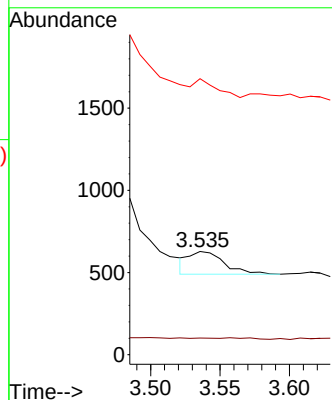
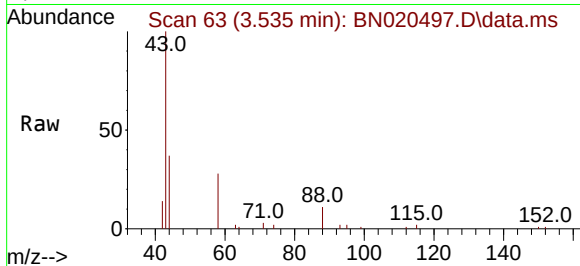




#3  
 n-Nitrosodimethylamine  
 Concen: 0.063 ng  
 RT: 3.535 min Scan# 61  
 Delta R.T. -0.022 min  
 Lab File: BN020497.D  
 Acq: 27 Jun 2022 12:59

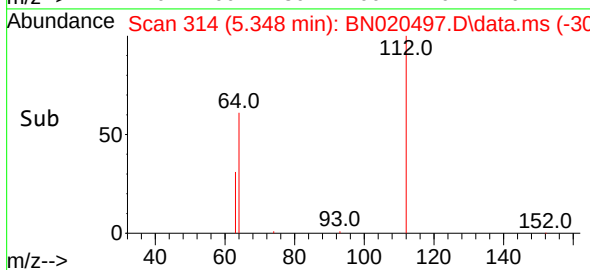
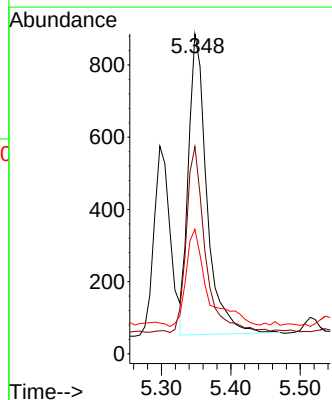
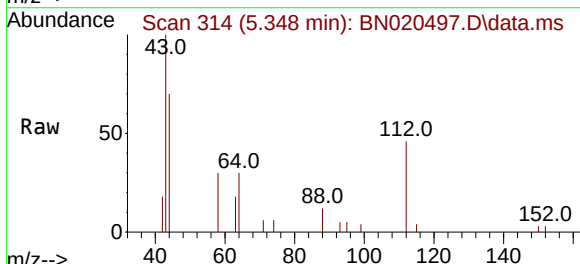
Instrument :  
 BNA\_N  
 ClientSampleId :

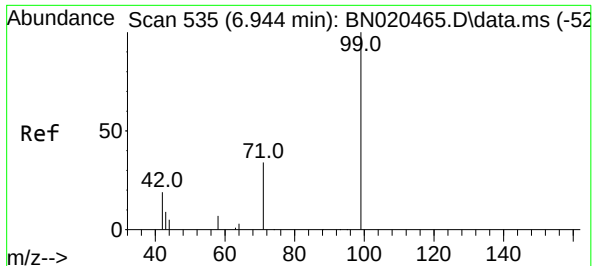
Tgt Ion: 42 Resp: 244  
 Ion Ratio Lower Upper  
 42 100  
 74 0.0 84.0 126.0#  
 44 0.0 9.8 14.8#



#4  
 2-Fluorophenol  
 Concen: 0.171 ng  
 RT: 5.348 min Scan# 314  
 Delta R.T. -0.000 min  
 Lab File: BN020497.D  
 Acq: 27 Jun 2022 12:59

Tgt Ion: 112 Resp: 1531  
 Ion Ratio Lower Upper  
 112 100  
 64 64.2 49.1 73.7  
 63 38.1 26.3 39.5

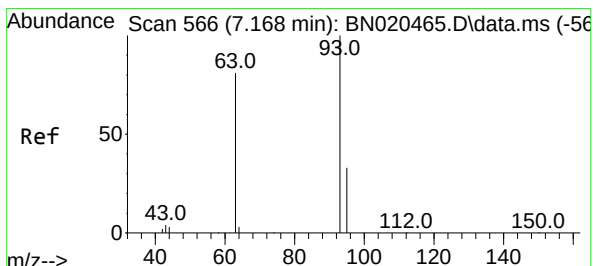
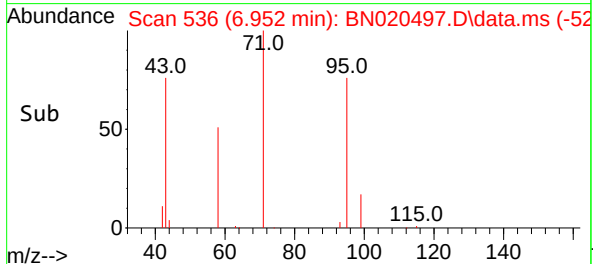
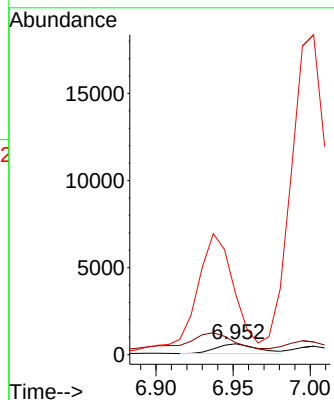
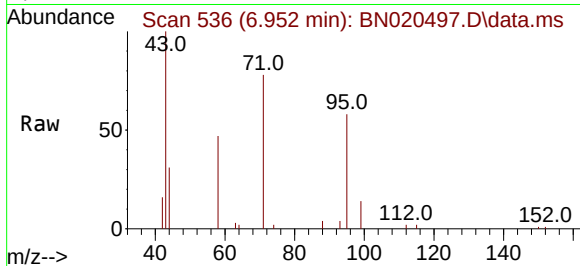




#5  
Phenol-d6  
Concen: 0.097 ng  
RT: 6.952 min Scan# 511  
Delta R.T. 0.007 min  
Lab File: BN020497.D  
Acq: 27 Jun 2022 12:59

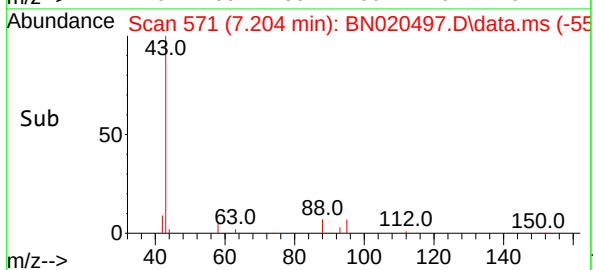
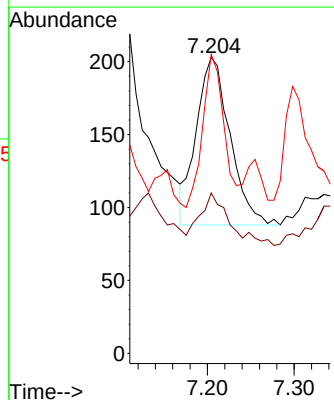
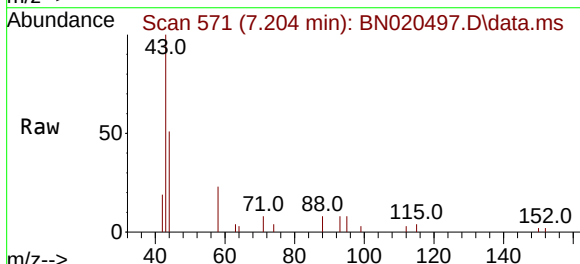
Instrument :  
BNA\_N  
ClientSampleId :

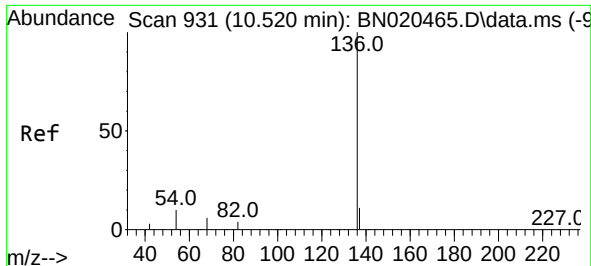
Tgt Ion: 99 Resp: 1042  
Ion Ratio Lower Upper  
99 100  
42 191.0 19.3 28.9#  
71 1129.0 27.5 41.3#



#6  
bis(2-Chloroethyl)ether  
Concen: 0.034 ng  
RT: 7.204 min Scan# 571  
Delta R.T. 0.036 min  
Lab File: BN020497.D  
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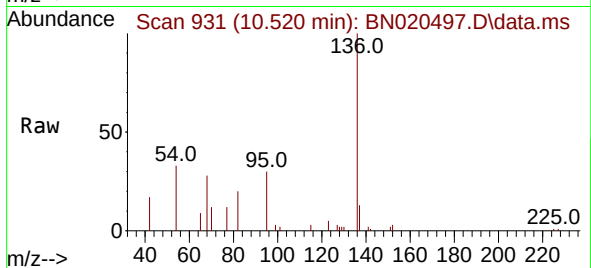
Tgt Ion: 93 Resp: 312  
Ion Ratio Lower Upper  
93 100  
63 27.6 67.4 101.0#  
95 56.7 26.5 39.7#



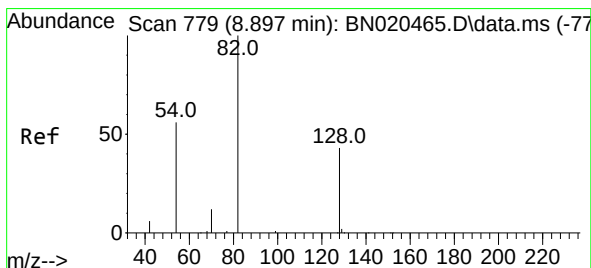
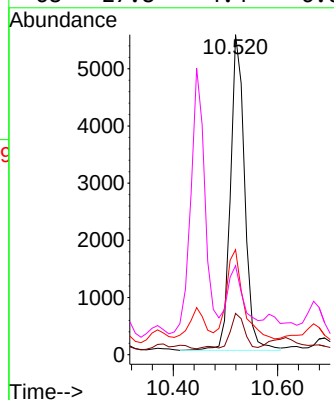
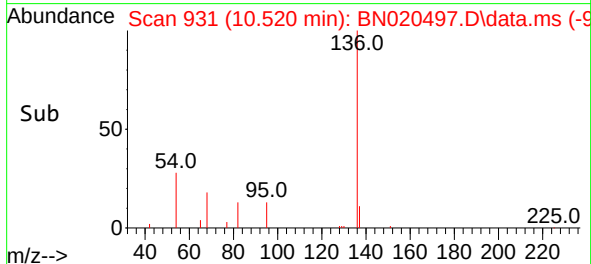


#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.520 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BN020497.D  
Acq: 27 Jun 2022 12:59

Instrument :  
BNA\_N  
ClientSampleId :

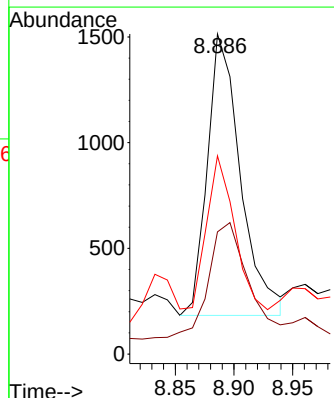
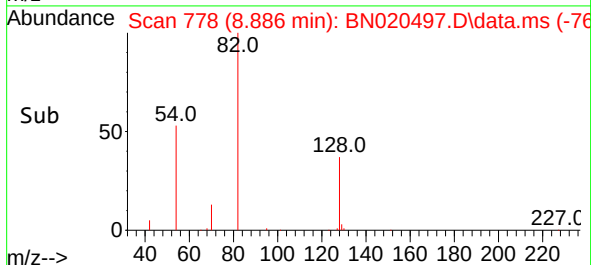
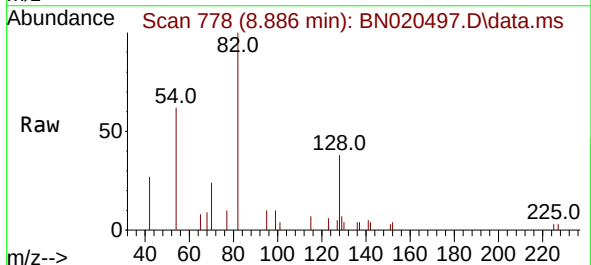


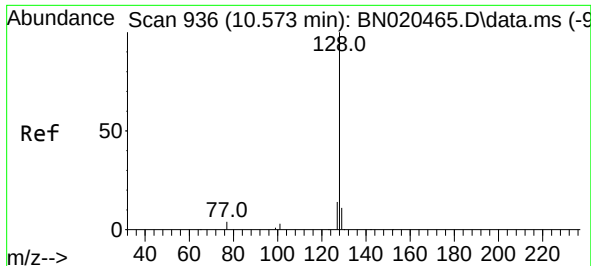
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 10466 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 12.9  | 9.0   | 13.6  |
| 54       | 32.8  | 6.2   | 9.2#  |
| 68       | 27.8  | 4.4   | 6.6#  |



#8  
Nitrobenzene-d5  
Concen: 0.309 ng  
RT: 8.886 min Scan# 778  
Delta R.T. -0.011 min  
Lab File: BN020497.D  
Acq: 27 Jun 2022 12:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 2623  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 38.2  | 35.0  | 52.6  |
| 54       | 61.9  | 46.2  | 69.4  |

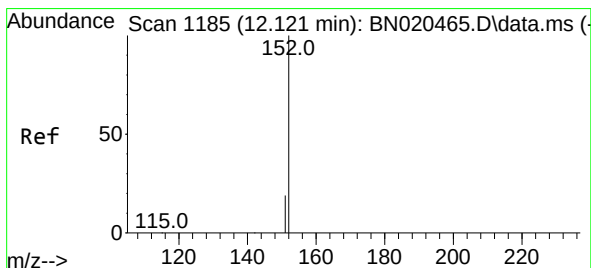
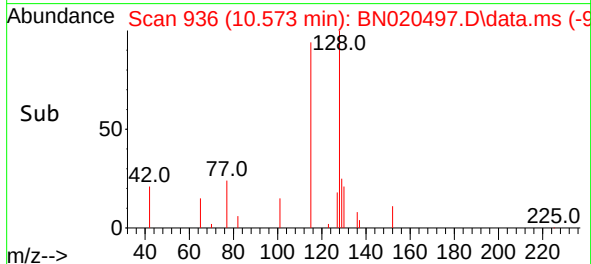
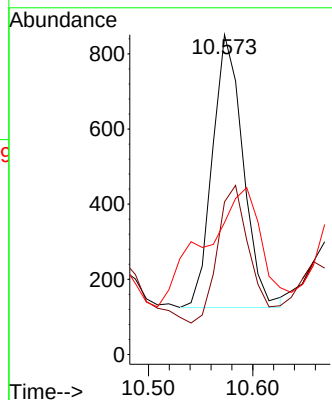
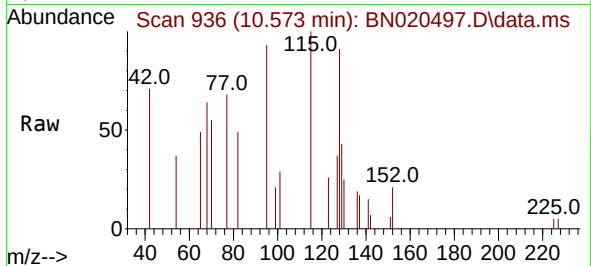




#9  
Naphthalene  
Concen: 0.047 ng  
RT: 10.573 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BN020497.D  
Acq: 27 Jun 2022 12:59

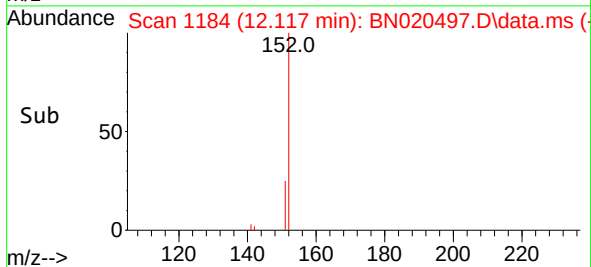
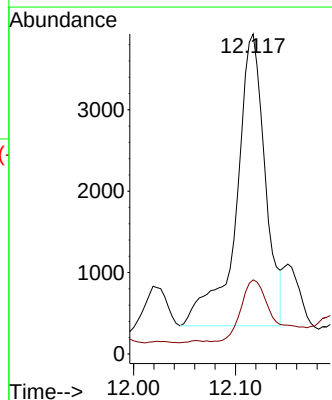
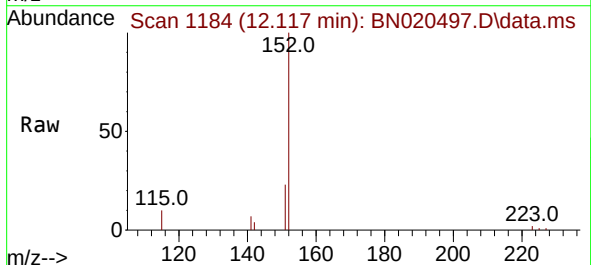
Instrument :  
BNA\_N  
ClientSampleId :

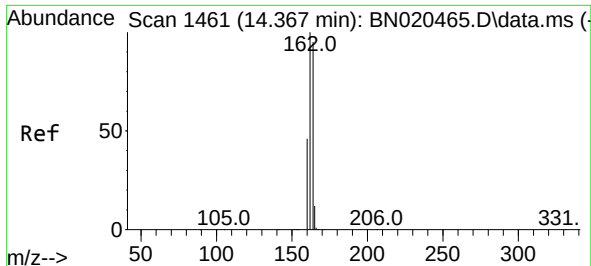
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Ion Ratio Lower Upper  
128 100  
129 47.7 8.9 13.3#  
127 41.2 10.8 16.2#



#11  
2-Methylnaphthalene-d10  
Concen: 0.395 ng  
RT: 12.117 min Scan# 1184  
Delta R.T. -0.004 min  
Lab File: BN020497.D  
Acq: 27 Jun 2022 12:59

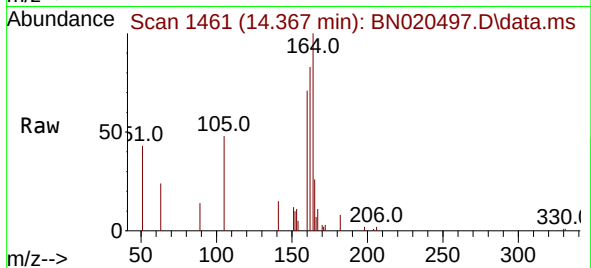
Tgt Ion:152 Resp: 7093  
Ion Ratio Lower Upper  
152 100  
151 24.1 16.2 24.4



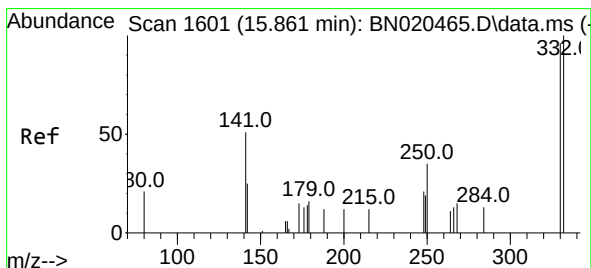
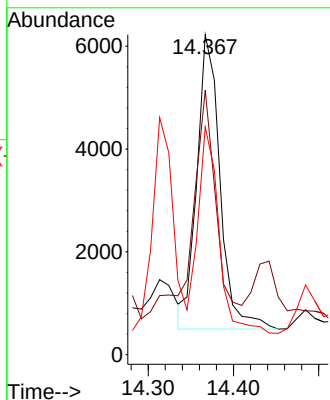
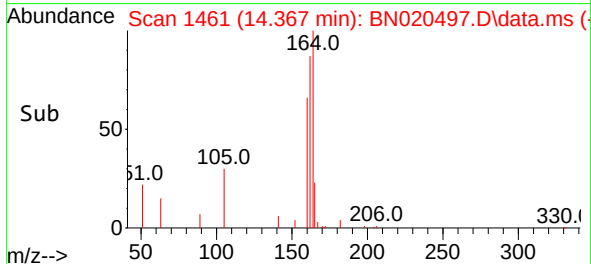


#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.367 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: BN020497.D  
Acq: 27 Jun 2022 12:59

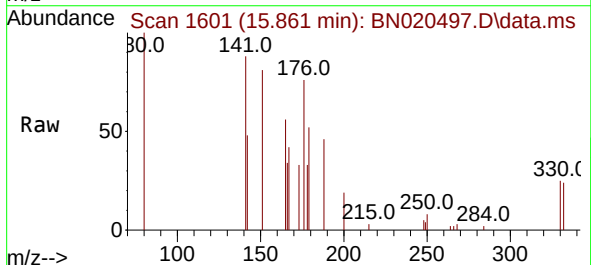
Instrument :  
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ClientSampleId :



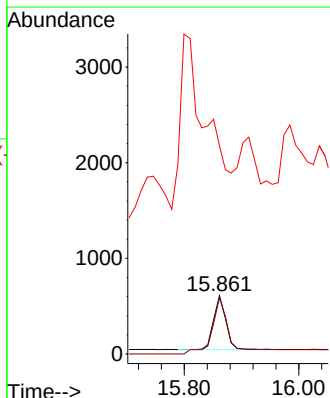
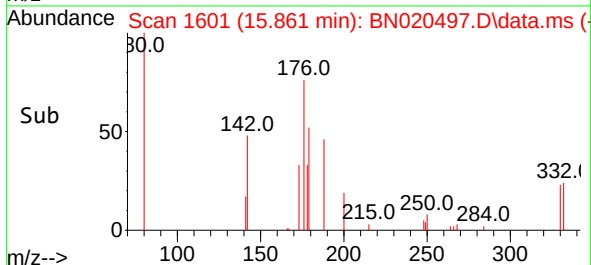
Tgt Ion:164 Resp: 10776  
Ion Ratio Lower Upper  
164 100  
162 82.6 82.1 123.1  
160 71.1 38.6 58.0#



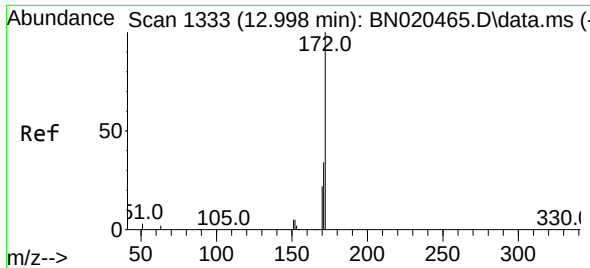
#14  
2,4,6-Tribromophenol  
Concen: 0.209 ng  
RT: 15.861 min Scan# 1601  
Delta R.T. -0.000 min  
Lab File: BN020497.D  
Acq: 27 Jun 2022 12:59



Tgt Ion:330 Resp: 847  
Ion Ratio Lower Upper  
330 100  
332 147.9 77.6 116.4#  
141 0.0 41.0 61.4#



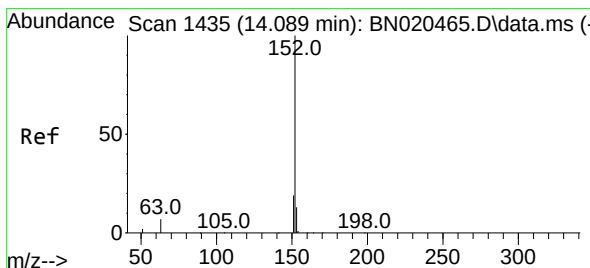
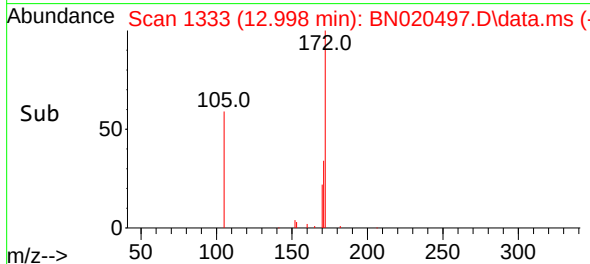
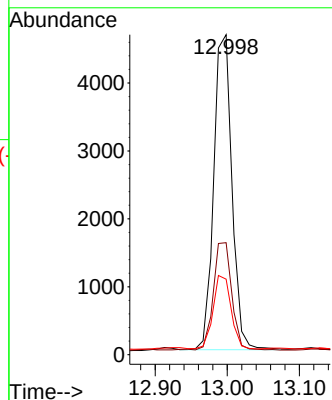
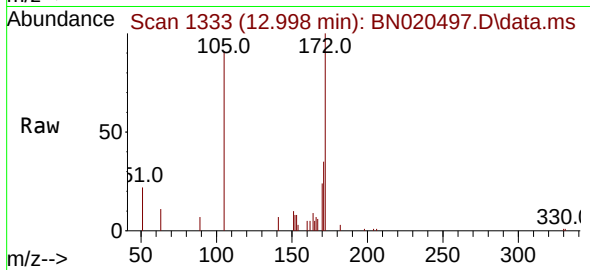




#15  
2-Fluorobiphenyl  
Concen: 0.183 ng  
RT: 12.998 min Scan# 1333  
Delta R.T. -0.000 min  
Lab File: BN020497.D  
Acq: 27 Jun 2022 12:59

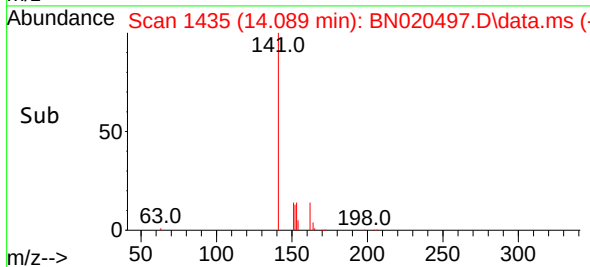
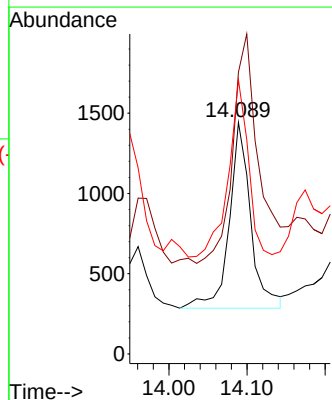
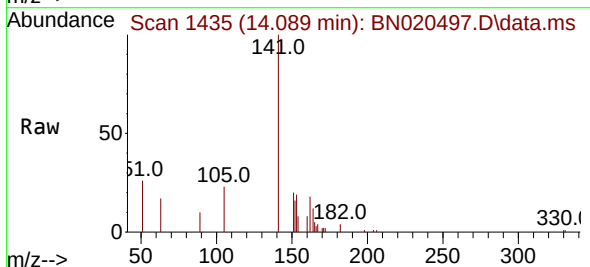
Instrument :  
BNA\_N  
ClientSampleId :

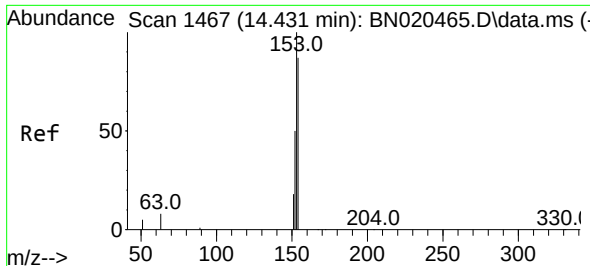
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 172   | Resp: | 8154 |
| Ion Ratio | Lower | Upper |      |
| 172       | 100   |       |      |
| 171       | 35.0  | 27.2  | 40.8 |
| 170       | 23.6  | 18.2  | 27.4 |



#16  
Acenaphthylene  
Concen: 0.043 ng  
RT: 14.089 min Scan# 1435  
Delta R.T. -0.000 min  
Lab File: BN020497.D  
Acq: 27 Jun 2022 12:59

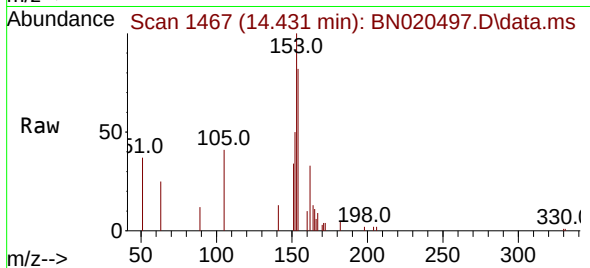
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 2214  |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 146.4 | 16.2  | 24.4# |
| 153       | 88.5  | 10.7  | 16.1# |



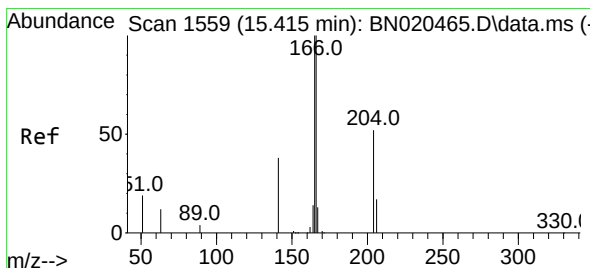
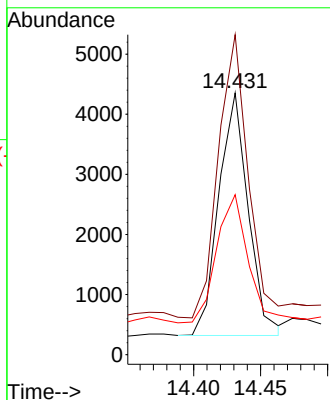
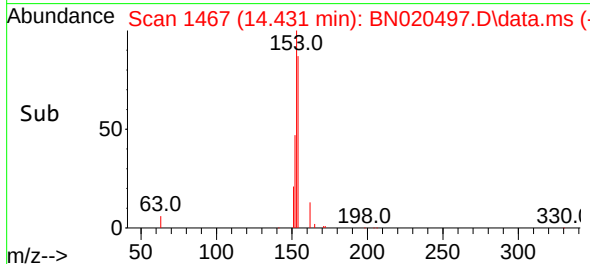


#17  
Acenaphthene  
Concen: 0.176 ng  
RT: 14.431 min Scan# 1467  
Delta R.T. -0.000 min  
Lab File: BN020497.D  
Acq: 27 Jun 2022 12:59

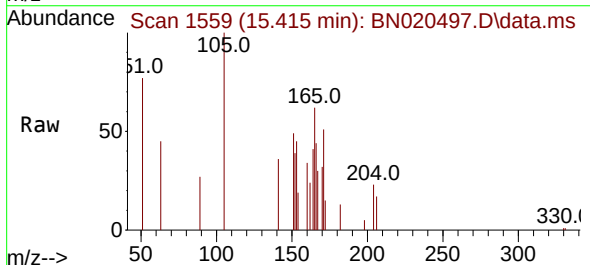
Instrument :  
BNA\_N  
ClientSampleId :



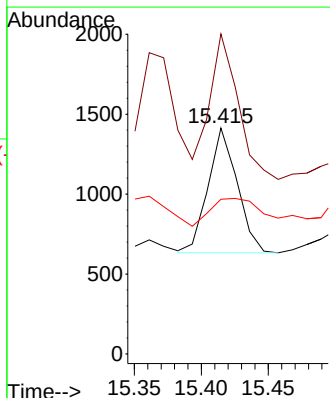
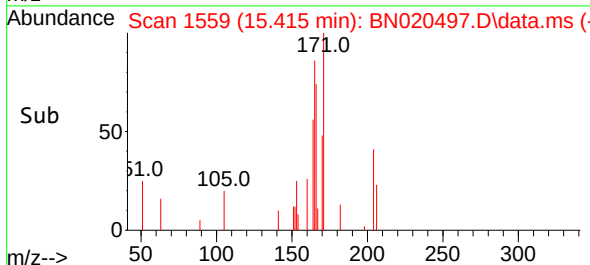
Tgt Ion:154 Resp: 6186  
Ion Ratio Lower Upper  
154 100  
153 120.6 87.5 131.3  
152 57.5 43.8 65.6

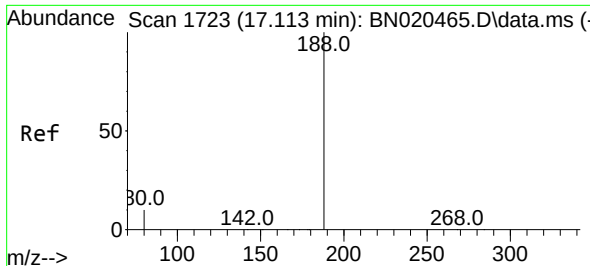


#18  
Fluorene  
Concen: 0.026 ng  
RT: 15.415 min Scan# 1559  
Delta R.T. -0.000 min  
Lab File: BN020497.D  
Acq: 27 Jun 2022 12:59



Tgt Ion:166 Resp: 1182  
Ion Ratio Lower Upper  
166 100  
165 112.7 78.6 118.0  
167 44.7 10.8 16.2#

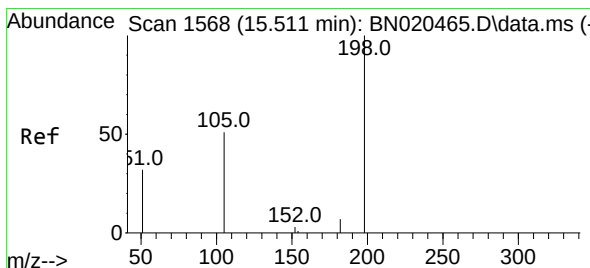
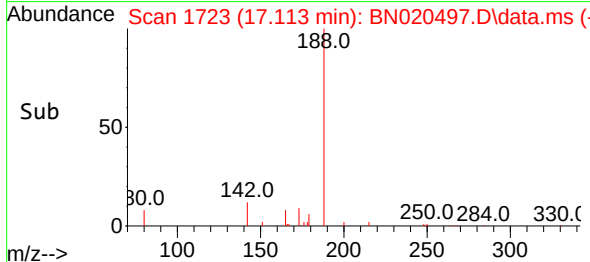
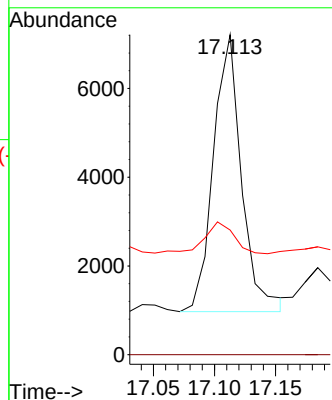
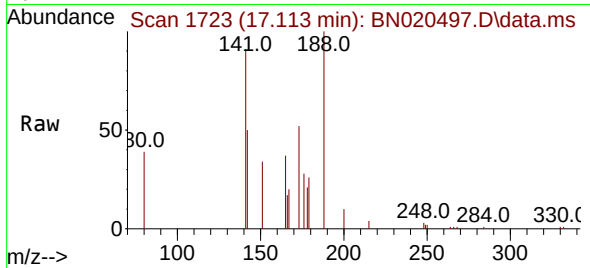




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.113 min Scan# 1723  
Delta R.T. -0.000 min  
Lab File: BN020497.D  
Acq: 27 Jun 2022 12:59

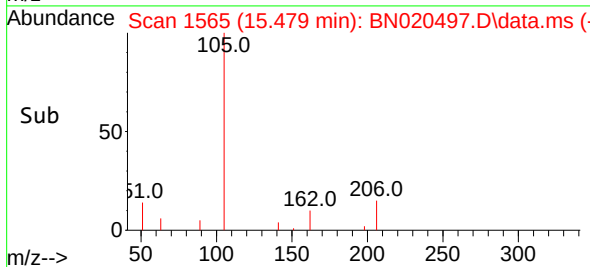
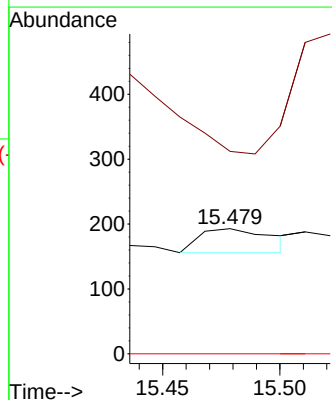
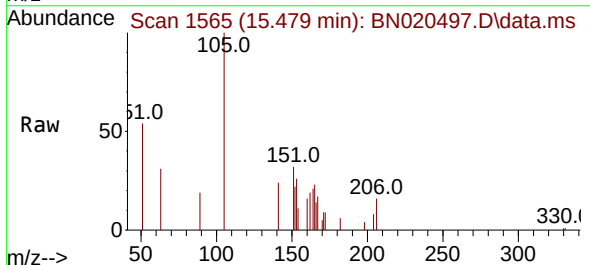
Instrument :  
BNA\_N  
ClientSampleId :

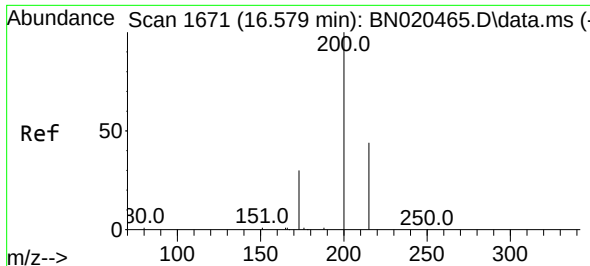
Tgt Ion:188 Resp: 9980  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 39.0 7.4 11.2#



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.266 ng  
RT: 15.479 min Scan# 1565  
Delta R.T. -0.032 min  
Lab File: BN020497.D  
Acq: 27 Jun 2022 12:59

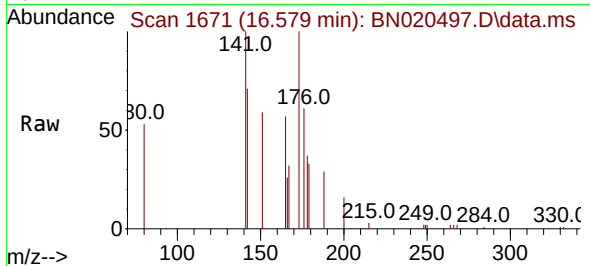
Tgt Ion:198 Resp: 80  
Ion Ratio Lower Upper  
198 100  
182 161.7 12.1 18.1#  
77 0.0 0.0 0.0



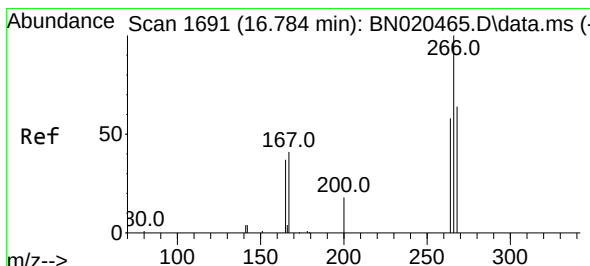
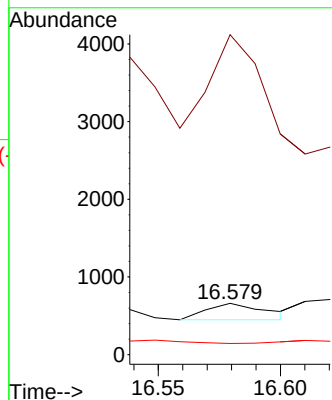
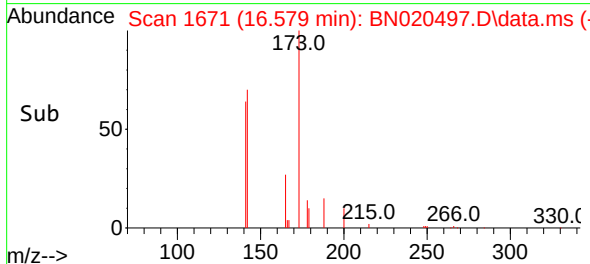


#23  
Atrazine  
Concen: 0.078 ng  
RT: 16.579 min Scan# 1671  
Delta R.T. -0.000 min  
Lab File: BN020497.D  
Acq: 27 Jun 2022 12:59

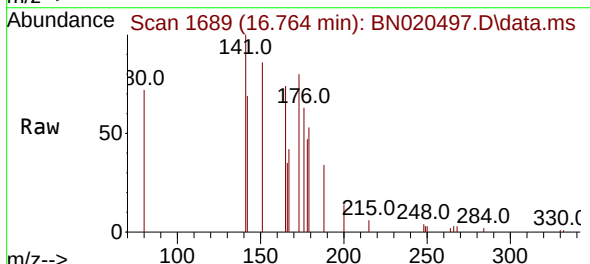
Instrument :  
BNA\_N  
ClientSampleId :



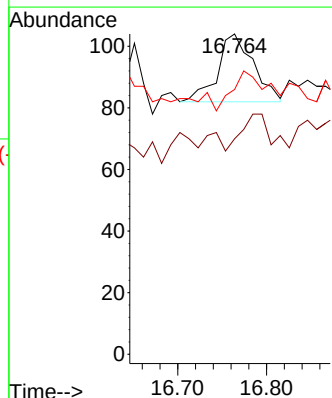
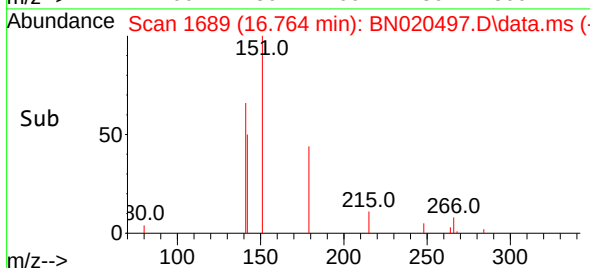
Tgt Ion:200 Resp: 356  
Ion Ratio Lower Upper  
200 100  
173 624.1 23.6 35.4#  
215 21.7 36.6 54.8#

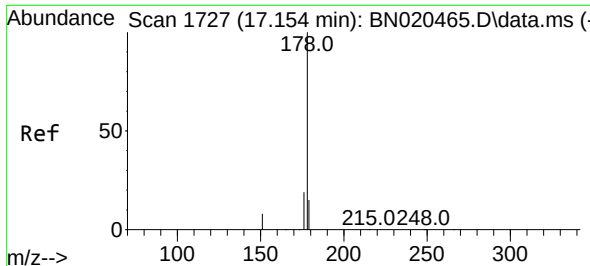


#24  
Pentachlorophenol  
Concen: 0.214 ng  
RT: 16.764 min Scan# 1689  
Delta R.T. -0.020 min  
Lab File: BN020497.D  
Acq: 27 Jun 2022 12:59



Tgt Ion:266 Resp: 62  
Ion Ratio Lower Upper  
266 100  
264 0.0 51.3 76.9#  
268 0.0 52.6 79.0#

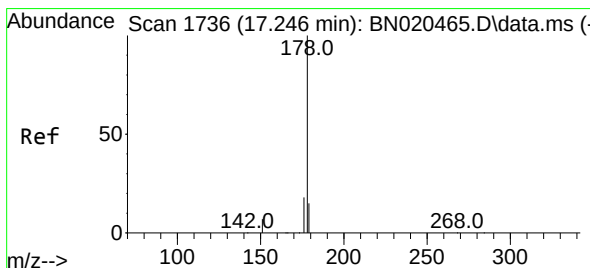
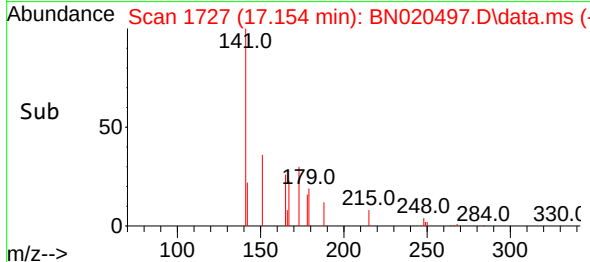
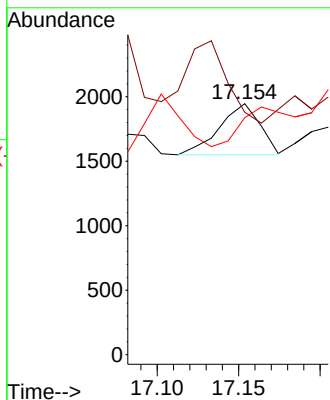
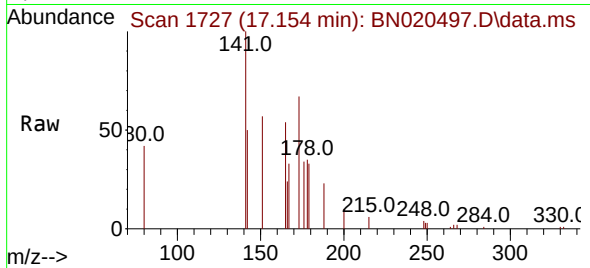




#25  
Phenanthrene  
Concen: 0.021 ng  
RT: 17.154 min Scan# 1727  
Delta R.T. -0.000 min  
Lab File: BN020497.D  
Acq: 27 Jun 2022 12:59

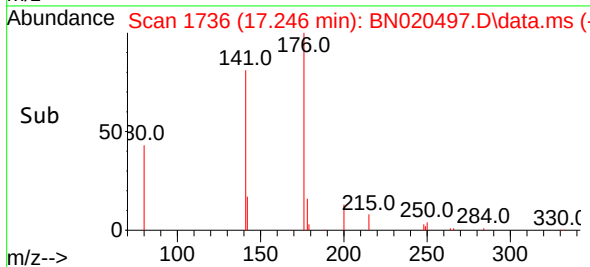
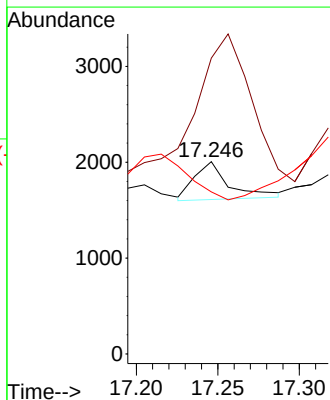
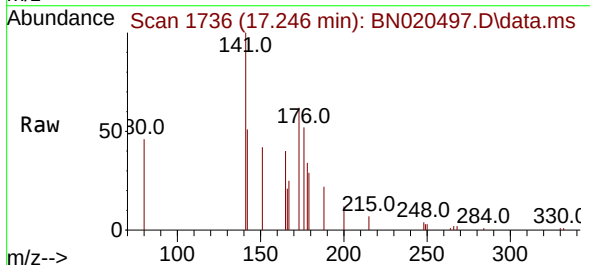
Instrument :  
BNA\_N  
ClientSampleId :

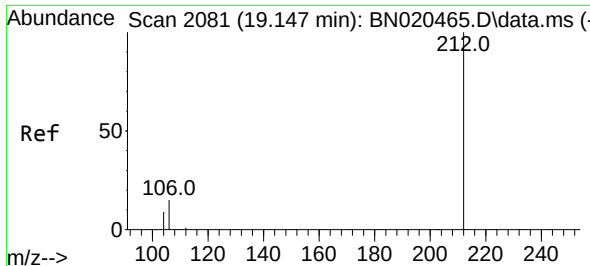
Tgt Ion:178 Resp: 690  
Ion Ratio Lower Upper  
178 100  
176 0.0 15.3 22.9#  
179 95.5 12.2 18.4#



#26  
Anthracene  
Concen: 0.020 ng  
RT: 17.246 min Scan# 1736  
Delta R.T. -0.000 min  
Lab File: BN020497.D  
Acq: 27 Jun 2022 12:59

Tgt Ion:178 Resp: 594  
Ion Ratio Lower Upper  
178 100  
176 677.6 14.9 22.3#  
179 0.0 12.2 18.4#

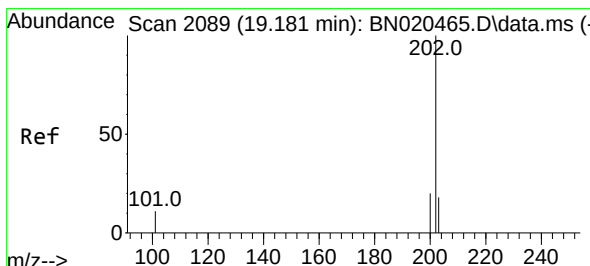
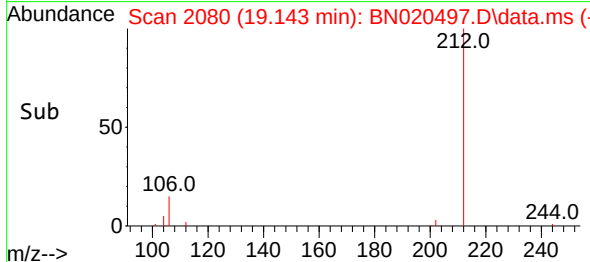
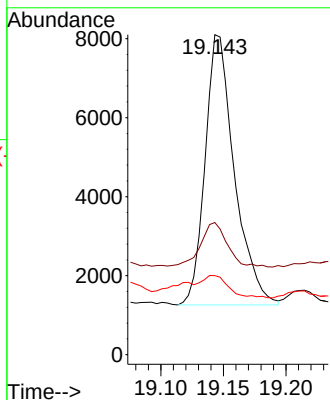
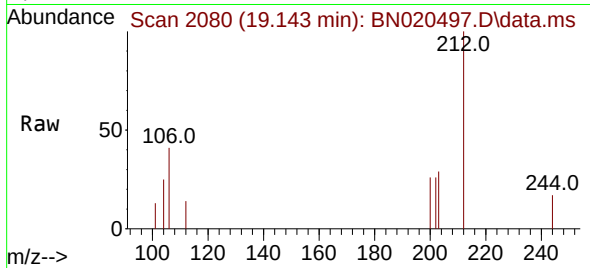




#27  
Fluoranthene-d10  
Concen: 0.376 ng  
RT: 19.143 min Scan# 2081  
Delta R.T. -0.004 min  
Lab File: BN020497.D  
Acq: 27 Jun 2022 12:59

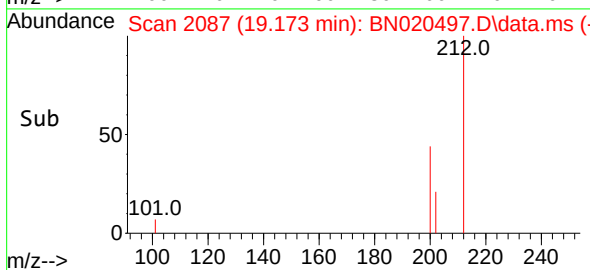
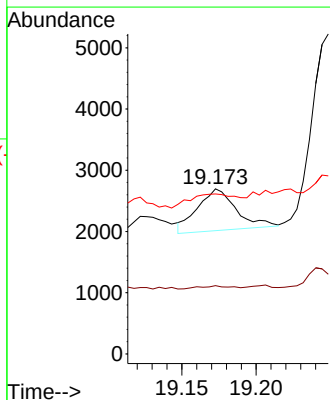
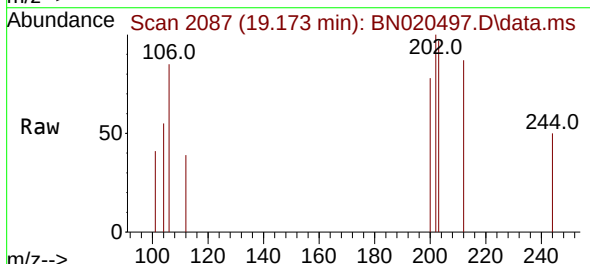
Instrument :  
BNA\_N  
ClientSampleId :

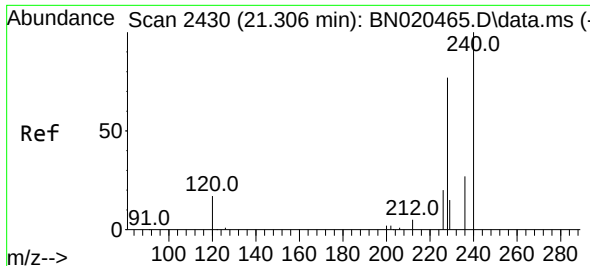
Tgt Ion:212 Resp: 11151  
Ion Ratio Lower Upper  
212 100  
106 15.0 12.6 19.0  
104 7.8 7.2 10.8



#28  
Fluoranthene  
Concen: 0.034 ng  
RT: 19.173 min Scan# 2087  
Delta R.T. -0.008 min  
Lab File: BN020497.D  
Acq: 27 Jun 2022 12:59

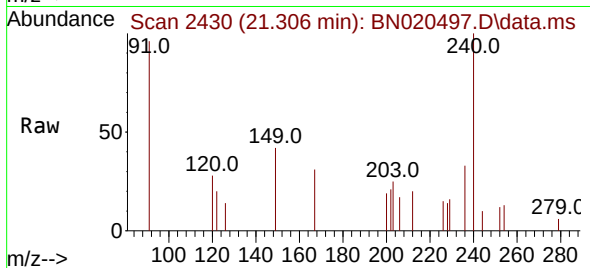
Tgt Ion:202 Resp: 1243  
Ion Ratio Lower Upper  
202 100  
101 5.5 9.6 14.4#  
203 43.0 13.5 20.3#



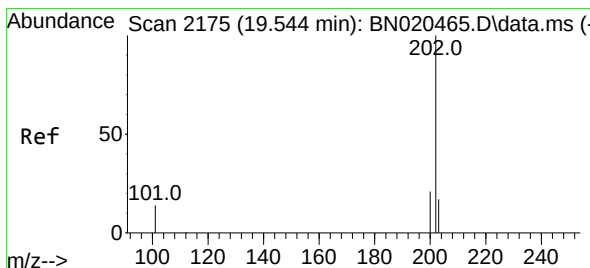
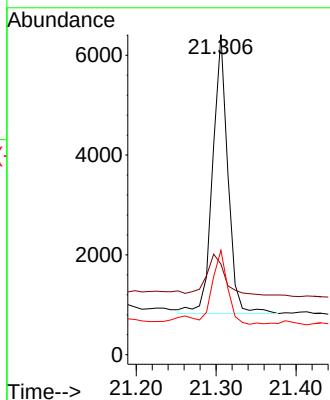
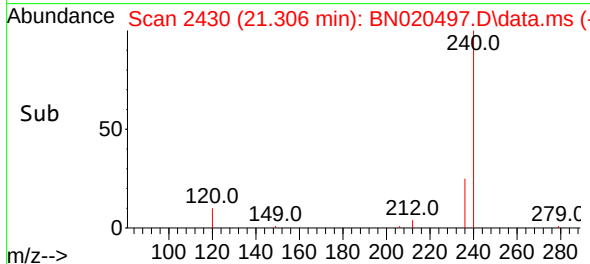


#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.306 min Scan# 2430  
Delta R.T. -0.000 min  
Lab File: BN020497.D  
Acq: 27 Jun 2022 12:59

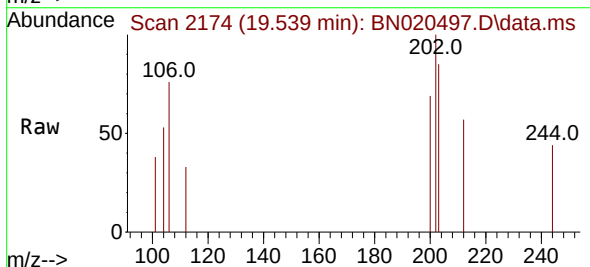
Instrument :  
BNA\_N  
ClientSampleId :



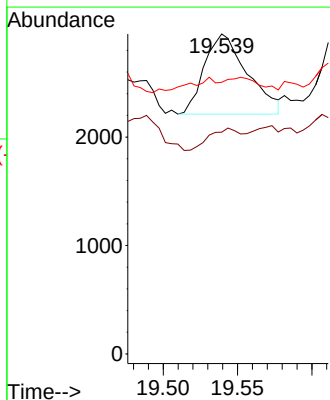
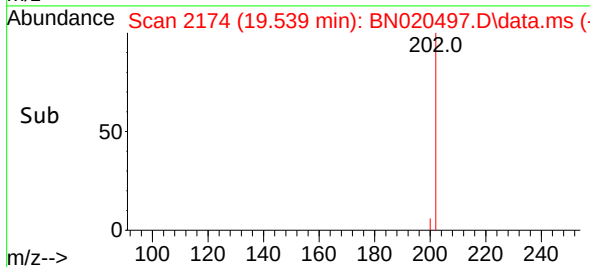
Tgt Ion:240 Resp: 7421  
Ion Ratio Lower Upper  
240 100  
120 28.3 14.6 21.8#  
236 32.6 22.6 33.8

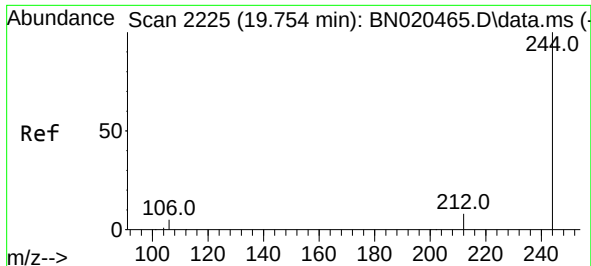


#30  
Pyrene  
Concen: 0.047 ng  
RT: 19.539 min Scan# 2174  
Delta R.T. -0.004 min  
Lab File: BN020497.D  
Acq: 27 Jun 2022 12:59



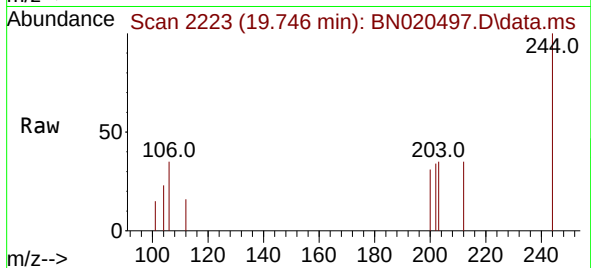
Tgt Ion:202 Resp: 1490  
Ion Ratio Lower Upper  
202 100  
200 19.3 16.6 25.0  
203 11.5 14.2 21.2#



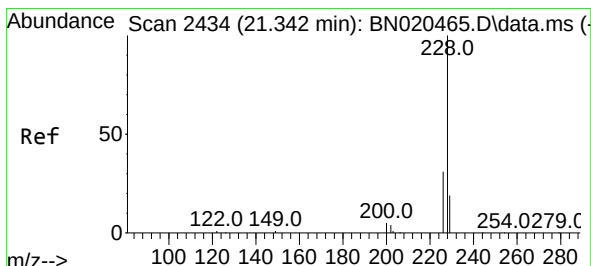
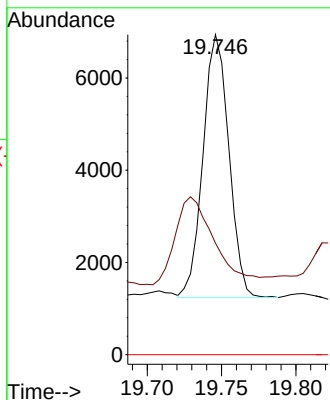
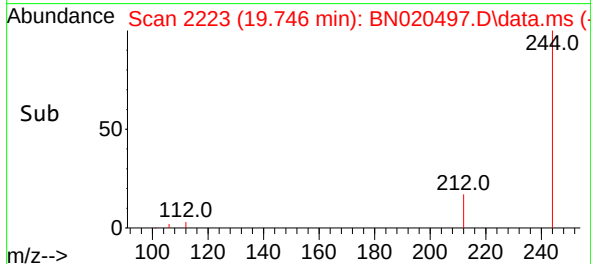


#31  
 Terphenyl-d14  
 Concen: 0.389 ng  
 RT: 19.746 min Scan# 21  
 Delta R.T. -0.008 min  
 Lab File: BN020497.D  
 Acq: 27 Jun 2022 12:59

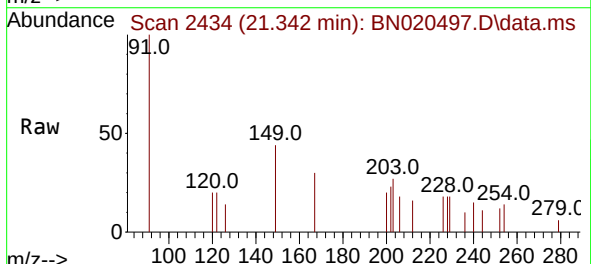
Instrument :  
 BNA\_N  
 ClientSampleId :



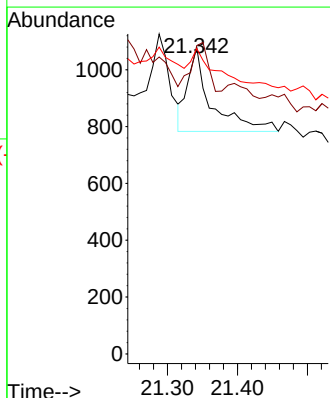
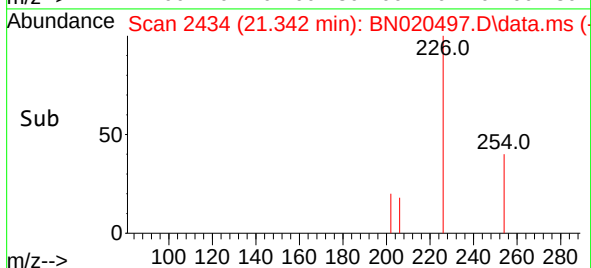
Tgt Ion:244 Resp: 6906  
 Ion Ratio Lower Upper  
 244 100  
 212 34.9 7.1 10.7#  
 122 0.0 0.0 0.0



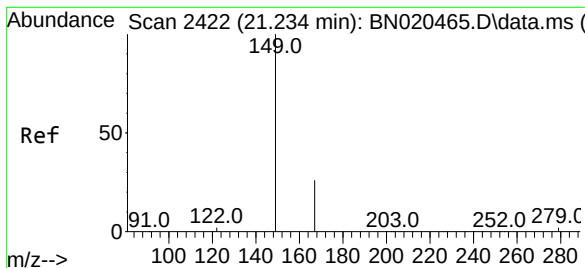
#33  
 Chrysene  
 Concen: 0.024 ng  
 RT: 21.342 min Scan# 2434  
 Delta R.T. -0.000 min  
 Lab File: BN020497.D  
 Acq: 27 Jun 2022 12:59



Tgt Ion:228 Resp: 699  
 Ion Ratio Lower Upper  
 228 100  
 226 100.6 23.4 35.0#  
 229 99.7 15.7 23.5#



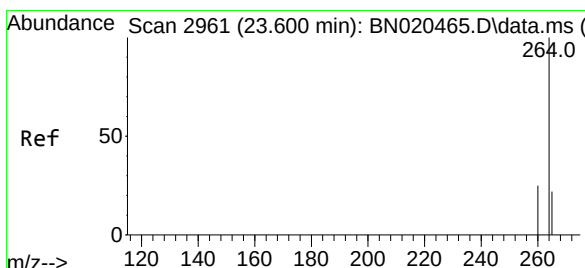
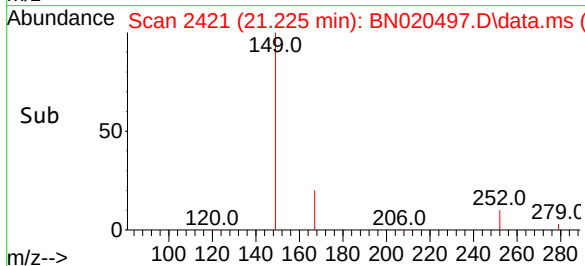
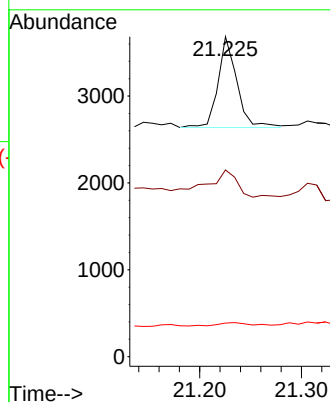
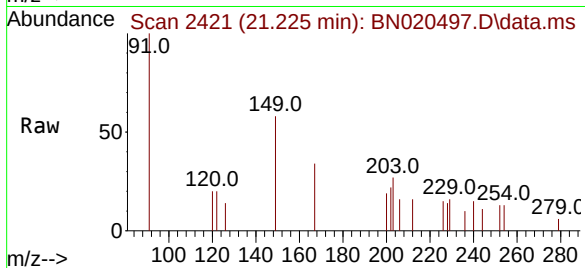




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.090 ng  
RT: 21.225 min Scan# 2422  
Delta R.T. -0.009 min  
Lab File: BN020497.D  
Acq: 27 Jun 2022 12:59

Instrument :  
BNA\_N  
ClientSampleId :

Tgt Ion:149 Resp: 1342  
Ion Ratio Lower Upper  
149 100  
167 37.7 21.7 32.5#  
279 6.3 2.2 3.2#



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.586 min Scan# 2956  
Delta R.T. -0.015 min  
Lab File: BN020497.D  
Acq: 27 Jun 2022 12:59

Tgt Ion:264 Resp: 7153  
Ion Ratio Lower Upper  
264 100  
260 28.8 20.9 31.3  
265 52.7 28.0 42.0#

