

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120623\  
 Data File : BN029061.D  
 Acq On : 06 Dec 2023 18:25  
 Operator : MA/JU  
 Sample : 05404-32  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE122D3-20231110

Quant Time: Dec 06 22:53:15 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN120523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 06 00:49:47 2023  
 Response via : Initial Calibration

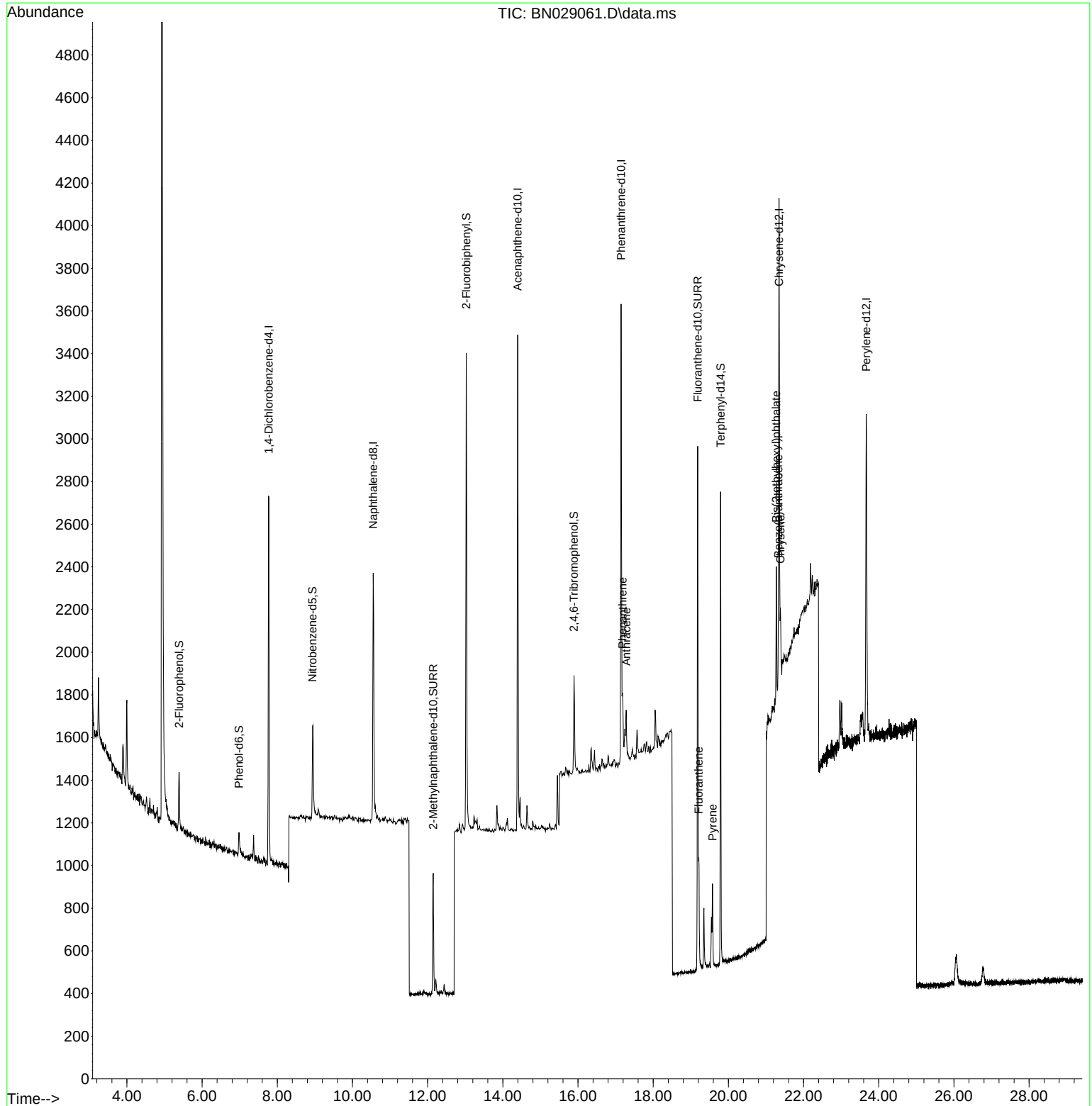
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.775  | 152  | 918      | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.552 | 136  | 1709     | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.396 | 164  | 1297     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.146 | 188  | 3135     | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.347 | 240  | 2171     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.667 | 264  | 2258     | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.392  | 112  | 236      | 0.114 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.980  | 99   | 135      | 0.054 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.939  | 82   | 547      | 0.265 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.148 | 152  | 840      | 0.234 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.893 | 330  | 334      | 0.233 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.028 | 172  | 2064     | 0.307 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.185 | 212  | 3127     | 0.317 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.794 | 244  | 2212     | 0.403 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 25) Phenanthrene              | 17.184 | 178  | 291      | 0.028 | ng    | # 92     |
| 26) Anthracene                | 17.283 | 178  | 244      | 0.024 | ng    | # 92     |
| 28) Fluoranthene              | 19.213 | 202  | 452      | 0.031 | ng    | # 92     |
| 30) Pyrene                    | 19.580 | 202  | 386      | 0.029 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.329 | 228  | 241      | 0.022 | ng    | # 64     |
| 33) Chrysene                  | 21.383 | 228  | 229      | 0.021 | ng    | # 65     |
| 34) Bis(2-ethylhexyl)phtha... | 21.275 | 149  | 656      | 0.097 | ng    | # 98     |
| -----                         |        |      |          |       |       |          |

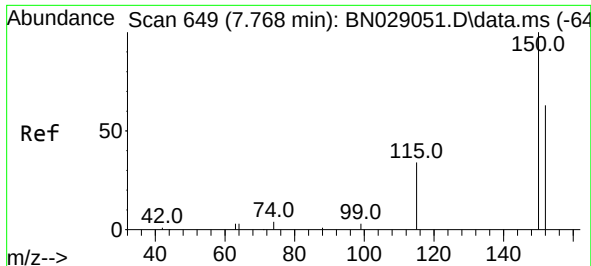
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120623\  
Data File : BN029061.D  
Acq On : 06 Dec 2023 18:25  
Operator : MA/JU  
Sample : 05404-32  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
RE122D3-20231110

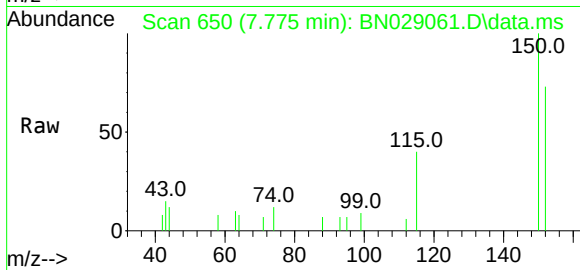
Quant Time: Dec 06 22:53:15 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN120523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 06 00:49:47 2023  
Response via : Initial Calibration



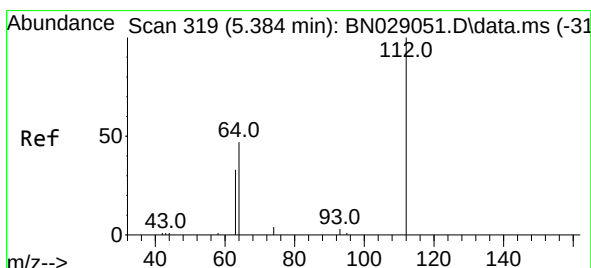
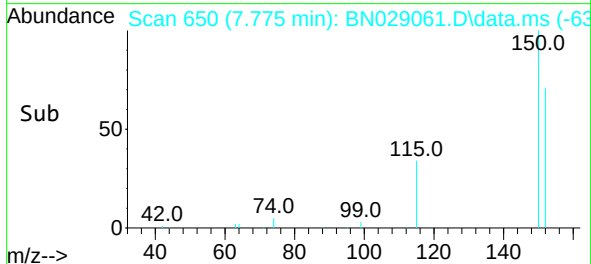
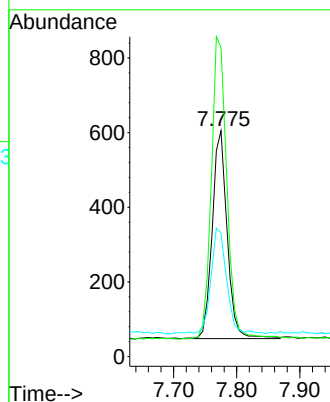


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.775 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BN029061.D  
Acq: 06 Dec 2023 18:25

Instrument :  
BNA\_N  
ClientSampleId :  
RE122D3-20231110

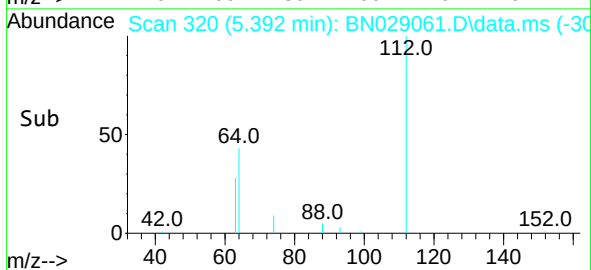
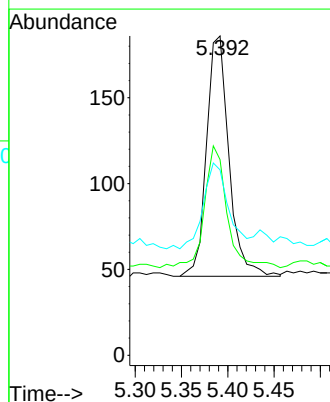
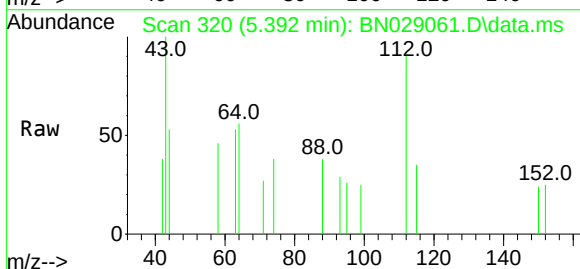


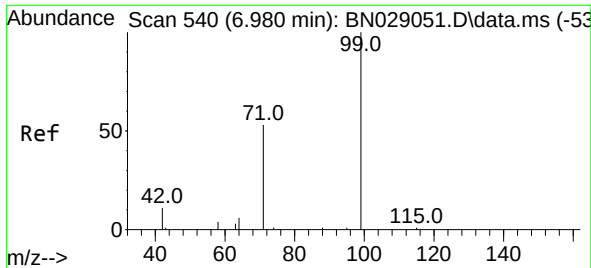
Tgt Ion:152 Resp: 918  
Ion Ratio Lower Upper  
152 100  
150 136.9 116.2 174.4  
115 54.7 45.1 67.7



#4  
2-Fluorophenol  
Concen: 0.114 ng  
RT: 5.392 min Scan# 320  
Delta R.T. 0.000 min  
Lab File: BN029061.D  
Acq: 06 Dec 2023 18:25

Tgt Ion:112 Resp: 236  
Ion Ratio Lower Upper  
112 100  
64 50.8 37.0 55.6  
63 39.8 29.0 43.6

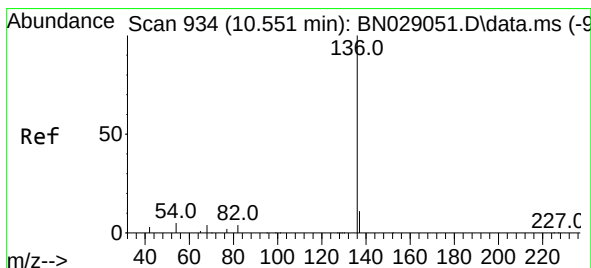
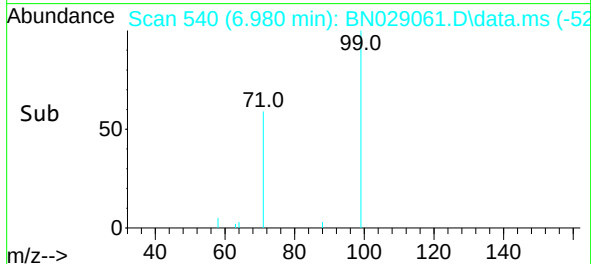
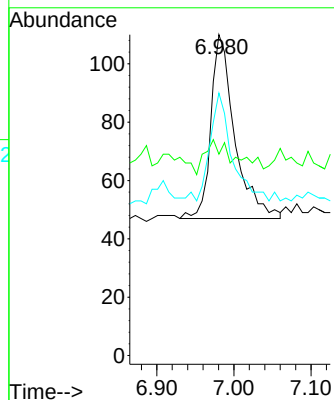
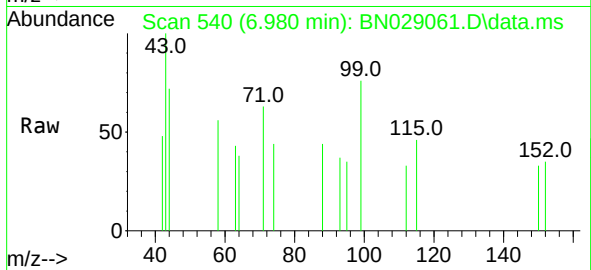




#5  
Phenol-d6  
Concen: 0.054 ng  
RT: 6.980 min Scan# 540  
Delta R.T. 0.000 min  
Lab File: BN029061.D  
Acq: 06 Dec 2023 18:25

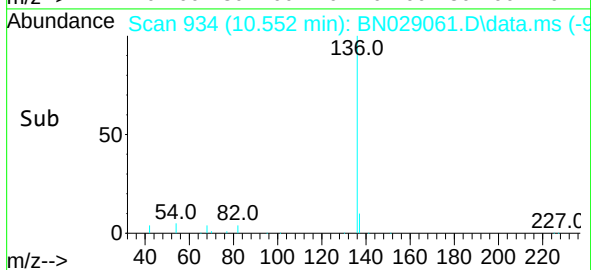
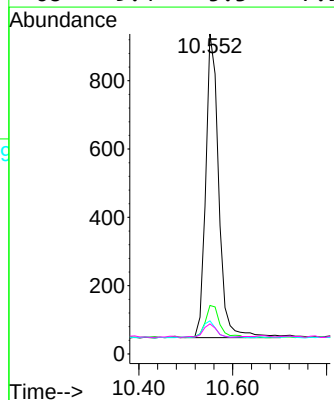
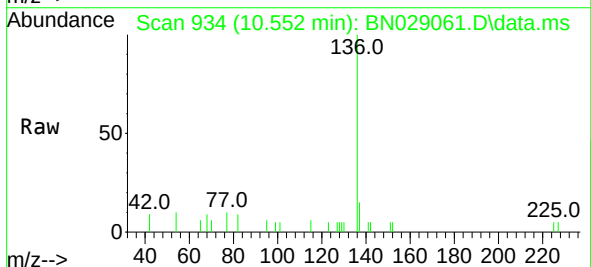
Instrument :  
BNA\_N  
ClientSampleId :  
RE122D3-20231110

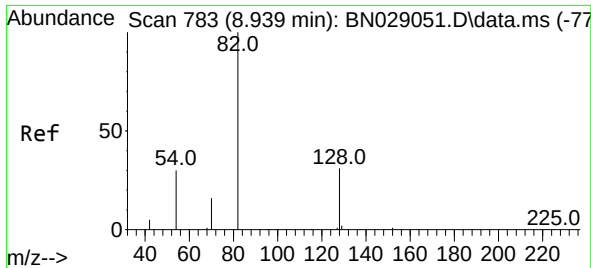
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 135   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 19.3  | 13.4  | 20.2  |
| 71       | 54.1  | 47.8  | 71.6  |



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.552 min Scan# 934  
Delta R.T. -0.011 min  
Lab File: BN029061.D  
Acq: 06 Dec 2023 18:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 1709  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 15.2  | 11.9  | 17.9  |
| 54       | 10.4  | 6.4   | 9.6#  |
| 68       | 9.4   | 5.3   | 7.9#  |

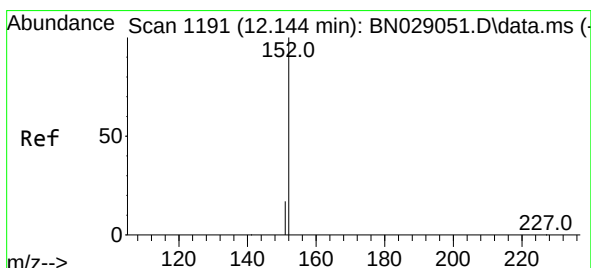
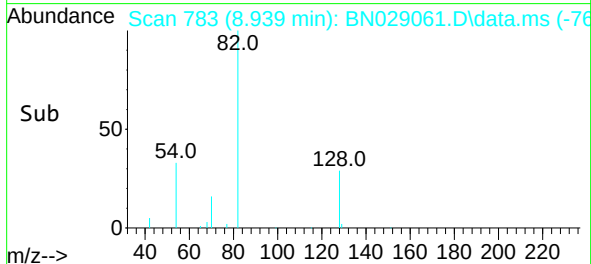
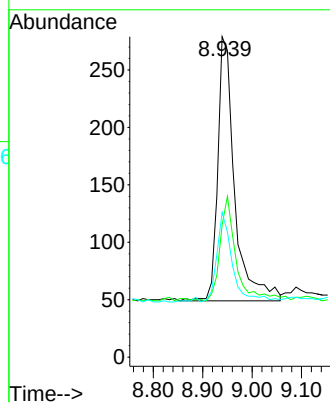
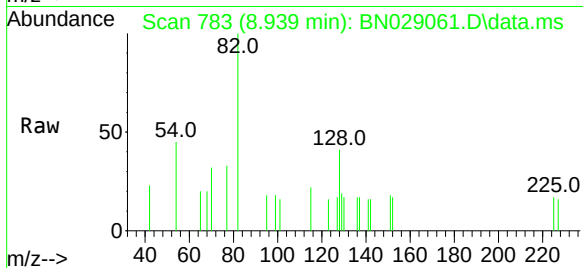




#8  
 Nitrobenzene-d5  
 Concen: 0.265 ng  
 RT: 8.939 min Scan# 783  
 Delta R.T. 0.000 min  
 Lab File: BN029061.D  
 Acq: 06 Dec 2023 18:25

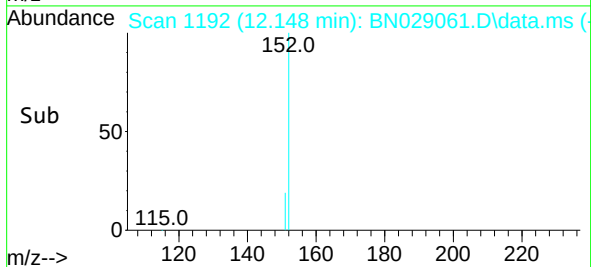
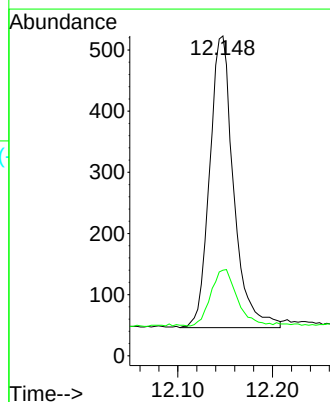
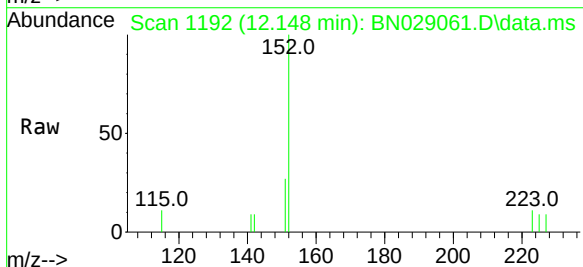
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE122D3-20231110

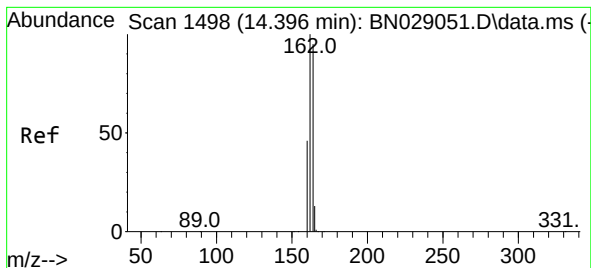
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 547   |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 41.2  | 28.2  | 42.4  |
| 54       | 45.2  | 32.1  | 48.1  |



#11  
 2-Methylnaphthalene-d10  
 Concen: 0.234 ng  
 RT: 12.148 min Scan# 1192  
 Delta R.T. 0.000 min  
 Lab File: BN029061.D  
 Acq: 06 Dec 2023 18:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 840   |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 21.1  | 17.4  | 26.0  |





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.396 min Scan# 1498

Delta R.T. 0.000 min

Lab File: BN029061.D

Acq: 06 Dec 2023 18:25

Instrument :

BNA\_N

ClientSampleId :

RE122D3-20231110

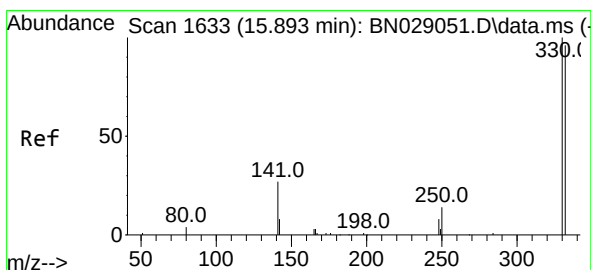
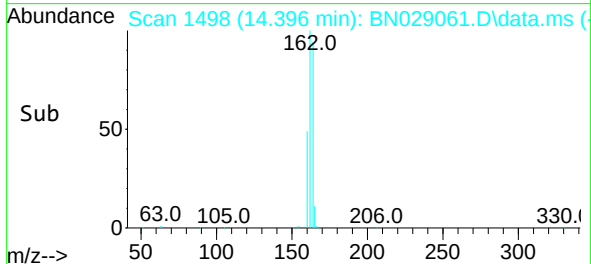
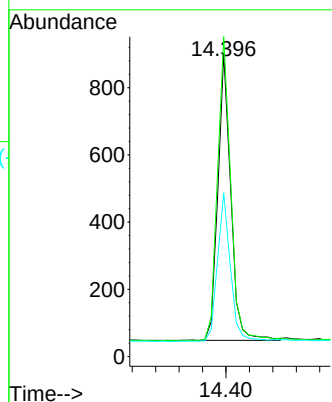
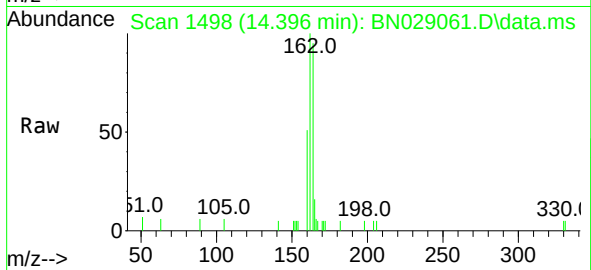
Tgt Ion:164 Resp: 1297

Ion Ratio Lower Upper

164 100

162 105.5 85.0 127.6

160 54.0 41.3 61.9



#14

2,4,6-Tribromophenol

Concen: 0.233 ng

RT: 15.893 min Scan# 1633

Delta R.T. 0.000 min

Lab File: BN029061.D

Acq: 06 Dec 2023 18:25

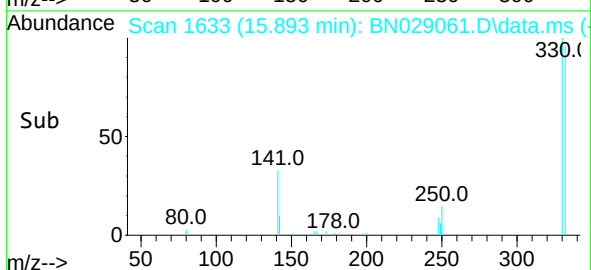
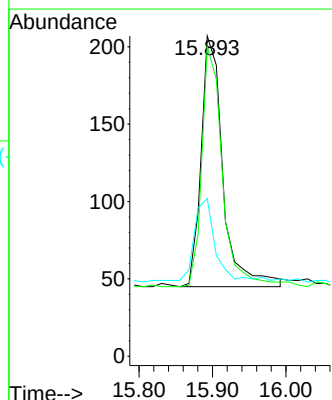
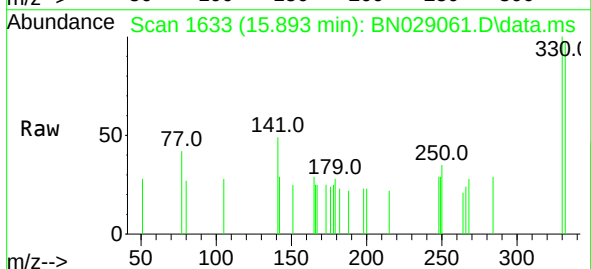
Tgt Ion:330 Resp: 334

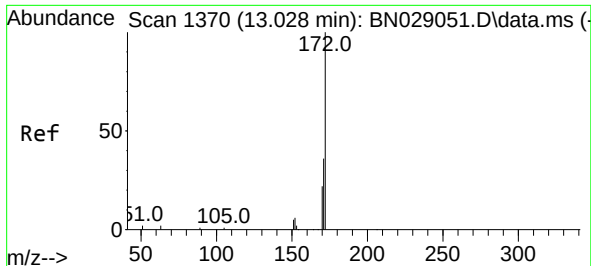
Ion Ratio Lower Upper

330 100

332 89.5 78.8 118.2

141 30.2 28.7 43.1

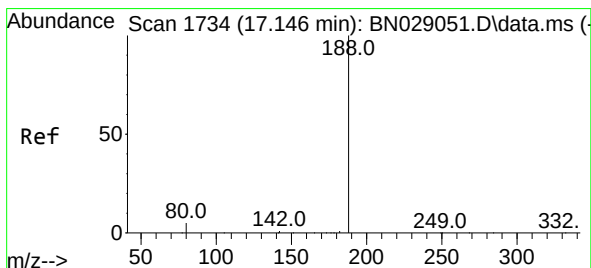
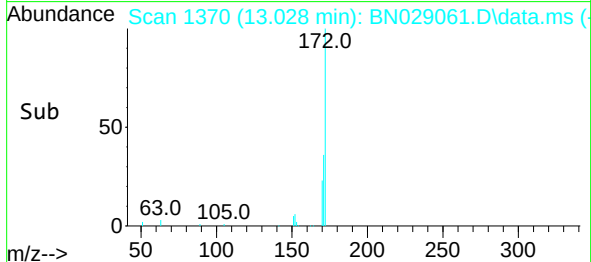
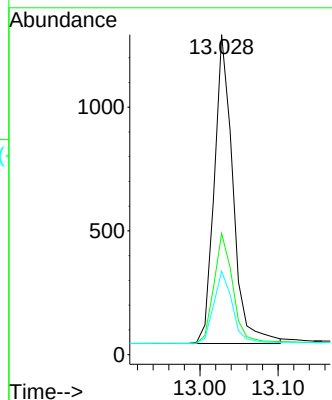
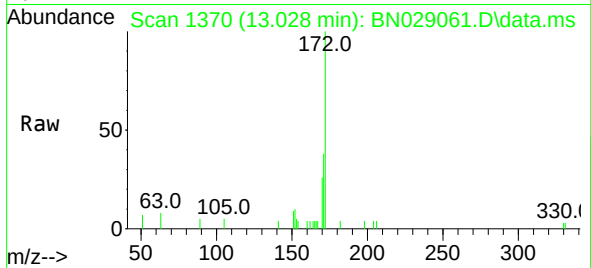




#15  
2-Fluorobiphenyl  
Concen: 0.307 ng  
RT: 13.028 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN029061.D  
Acq: 06 Dec 2023 18:25

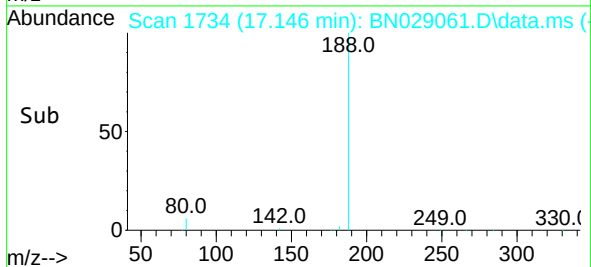
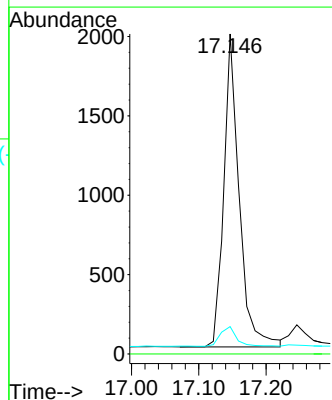
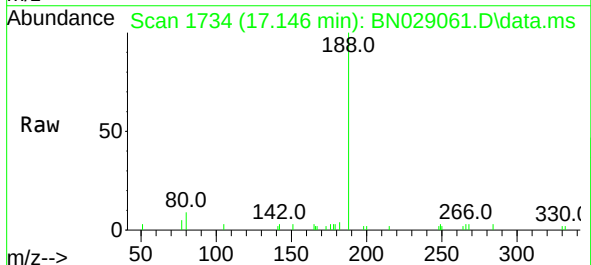
Instrument :  
BNA\_N  
ClientSampleId :  
RE122D3-20231110

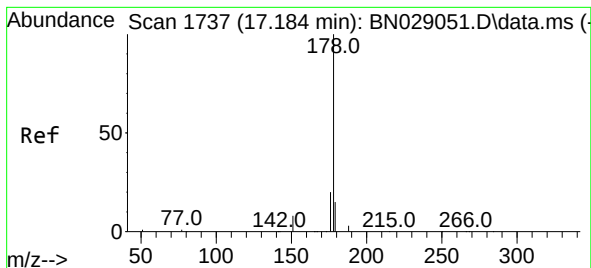
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|-----------|-------|-------|------|
| Tgt Ion:  | 172   | Resp: | 2064 |
| Ion Ratio | Lower | Upper |      |
| 172       | 100   |       |      |
| 171       | 37.9  | 30.1  | 45.1 |
| 170       | 26.1  | 20.3  | 30.5 |



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.146 min Scan# 1734  
Delta R.T. 0.000 min  
Lab File: BN029061.D  
Acq: 06 Dec 2023 18:25

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 188   | Resp: | 3135 |
| Ion Ratio | Lower | Upper |      |
| 188       | 100   |       |      |
| 94        | 0.0   | 0.0   | 0.0  |
| 80        | 8.6   | 5.4   | 8.0  |





#25

Phenanthrene

Concen: 0.028 ng

RT: 17.184 min Scan# 1737

Delta R.T. 0.000 min

Lab File: BN029061.D

Acq: 06 Dec 2023 18:25

Instrument :

BNA\_N

ClientSampleId :

RE122D3-20231110

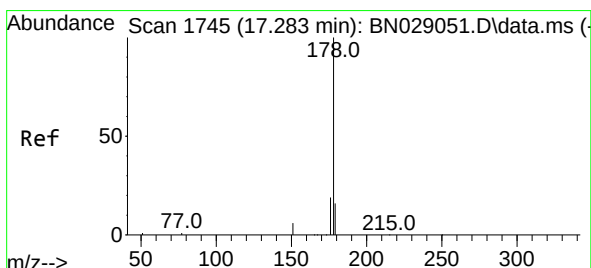
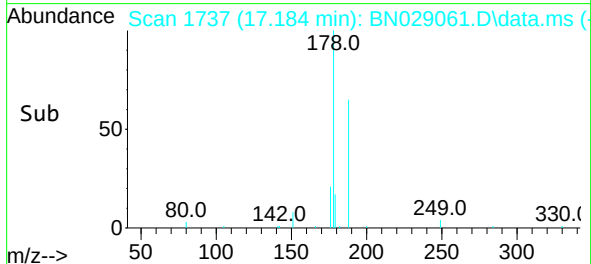
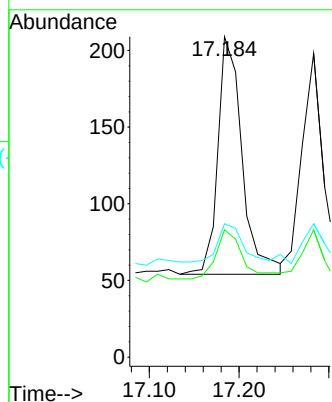
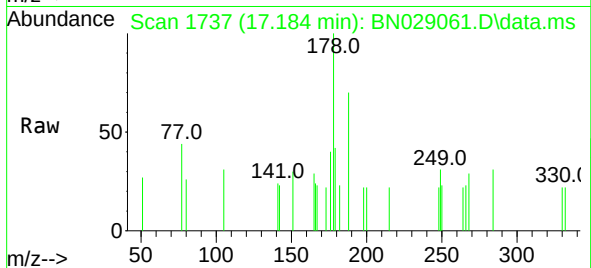
Tgt Ion:178 Resp: 291

Ion Ratio Lower Upper

178 100

176 23.0 15.6 23.4

179 18.9 12.6 18.8#



#26

Anthracene

Concen: 0.024 ng

RT: 17.283 min Scan# 1745

Delta R.T. 0.000 min

Lab File: BN029061.D

Acq: 06 Dec 2023 18:25

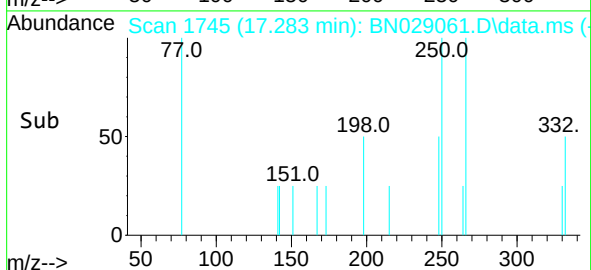
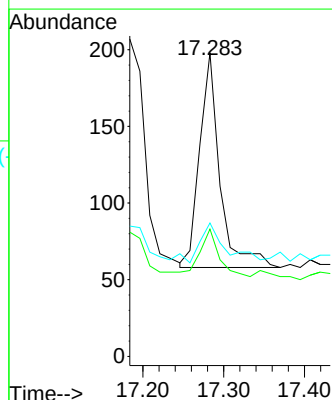
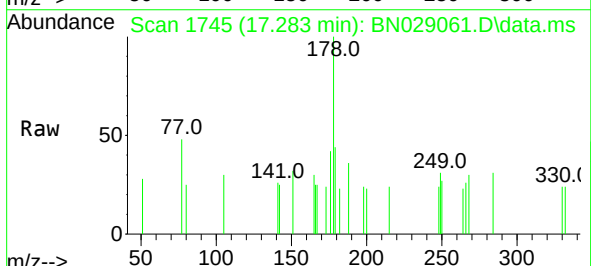
Tgt Ion:178 Resp: 244

Ion Ratio Lower Upper

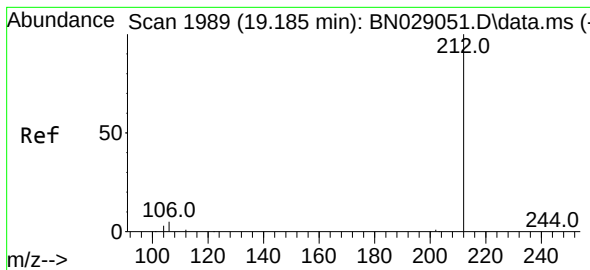
178 100

176 20.9 15.0 22.4

179 20.9 12.6 19.0#







#27

Fluoranthene-d10

Concen: 0.317 ng

RT: 19.185 min Scan# 1989

Delta R.T. 0.000 min

Lab File: BN029061.D

Acq: 06 Dec 2023 18:25

Instrument :

BNA\_N

ClientSampleId :

RE122D3-20231110

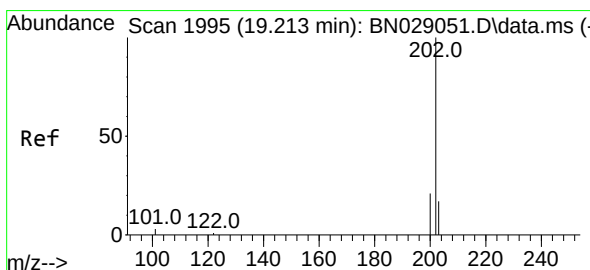
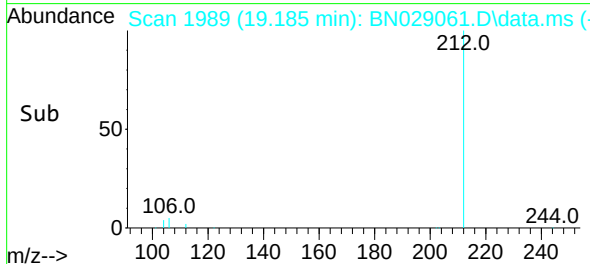
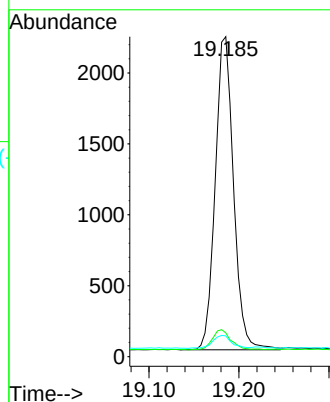
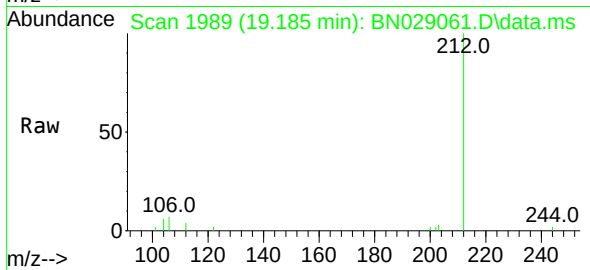
Tgt Ion:212 Resp: 3127

Ion Ratio Lower Upper

212 100

106 6.6 3.9 5.9#

104 4.3 2.6 3.8#



#28

Fluoranthene

Concen: 0.031 ng

RT: 19.213 min Scan# 1995

Delta R.T. 0.000 min

Lab File: BN029061.D

Acq: 06 Dec 2023 18:25

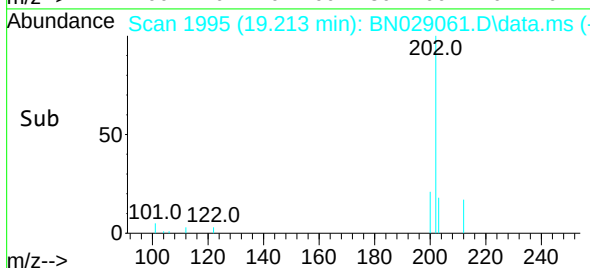
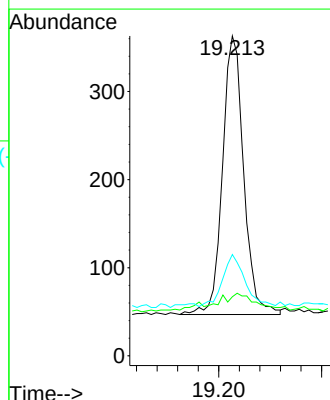
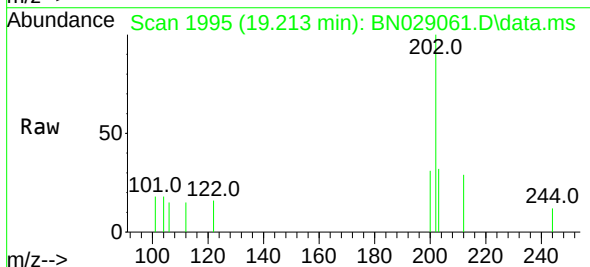
Tgt Ion:202 Resp: 452

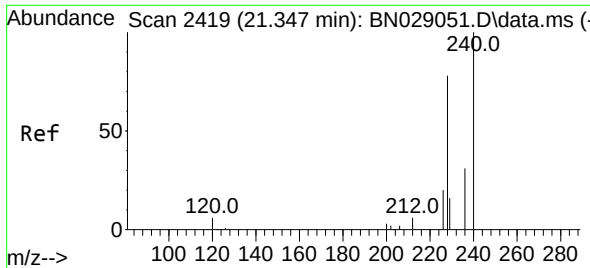
Ion Ratio Lower Upper

202 100

101 9.7 3.0 4.6#

203 19.7 13.8 20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.347 min Scan# 2419

Delta R.T. 0.000 min

Lab File: BN029061.D

Acq: 06 Dec 2023 18:25

Instrument :

BNA\_N

ClientSampleId :

RE122D3-20231110

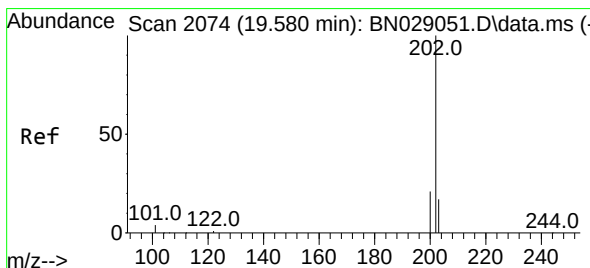
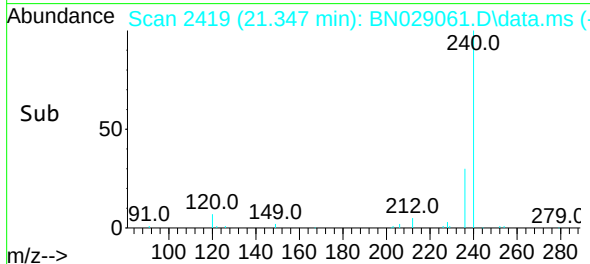
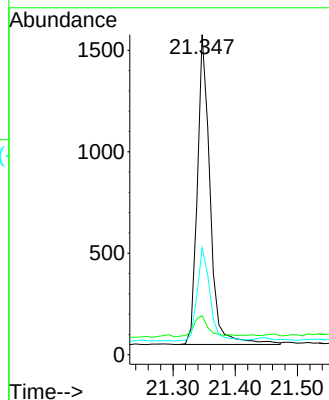
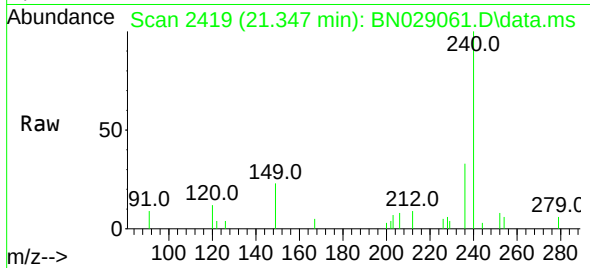
Tgt Ion:240 Resp: 2171

Ion Ratio Lower Upper

240 100

120 12.2 6.7 10.1#

236 33.4 25.7 38.5



#30

Pyrene

Concen: 0.029 ng

RT: 19.580 min Scan# 2074

Delta R.T. 0.000 min

Lab File: BN029061.D

Acq: 06 Dec 2023 18:25

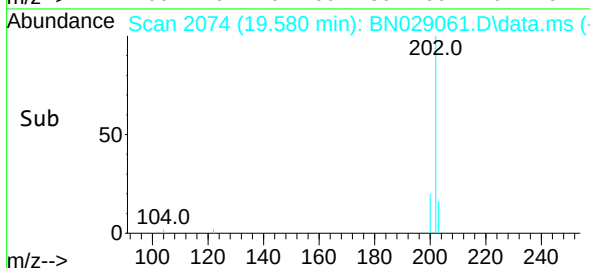
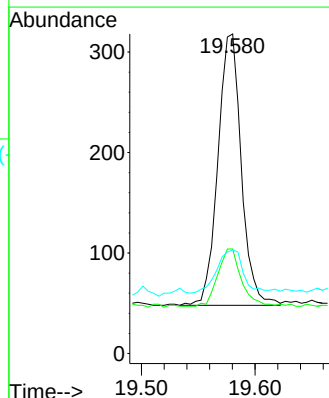
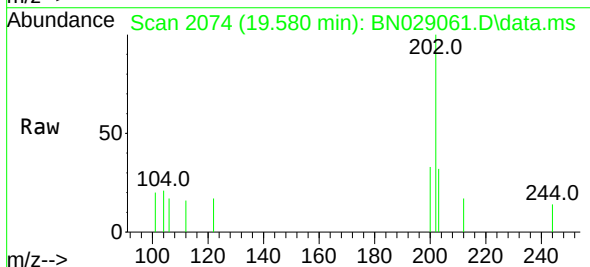
Tgt Ion:202 Resp: 386

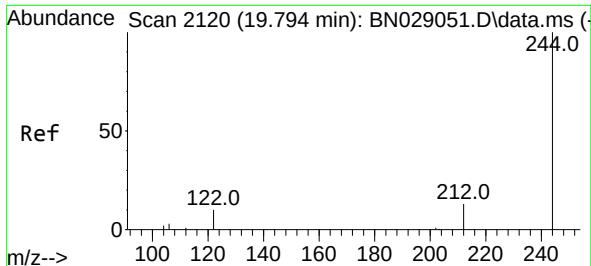
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.6

203 18.1 14.2 21.4

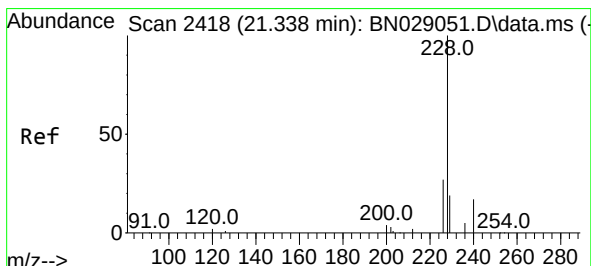
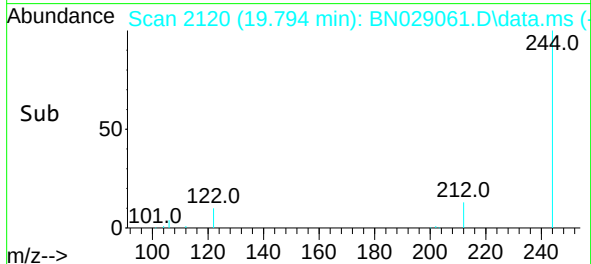
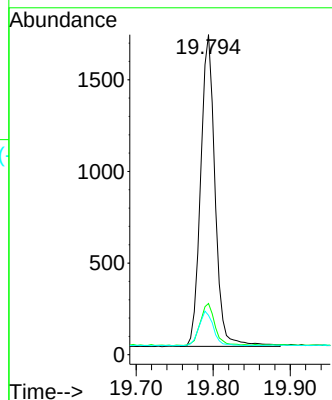
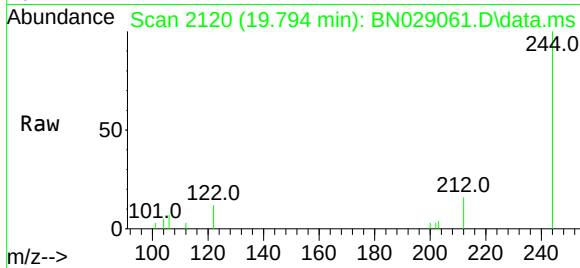




#31  
 Terphenyl-d14  
 Concen: 0.403 ng  
 RT: 19.794 min Scan# 2112  
 Delta R.T. 0.000 min  
 Lab File: BN029061.D  
 Acq: 06 Dec 2023 18:25

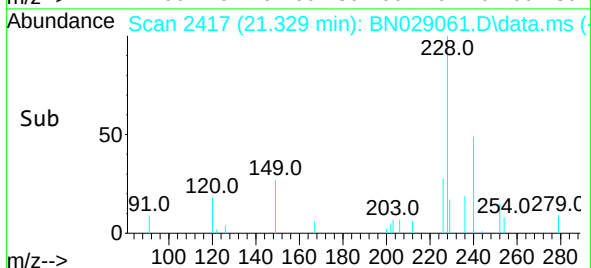
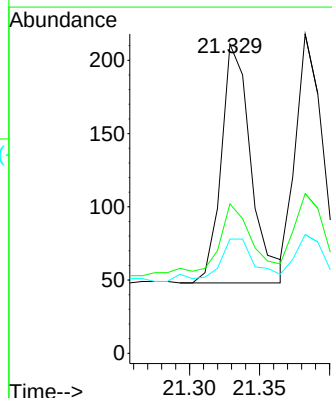
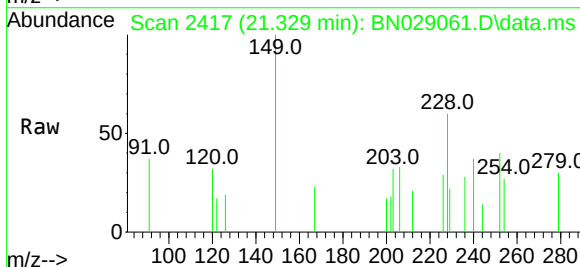
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE122D3-20231110

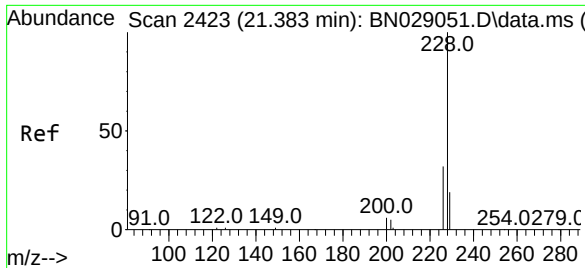
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 244   | Resp: | 2212  |
| Ion      | Ratio | Lower | Upper |
| 244      | 100   |       |       |
| 212      | 16.0  | 11.6  | 17.4  |
| 122      | 12.3  | 8.2   | 12.4  |



#32  
 Benzo(a)anthracene  
 Concen: 0.022 ng  
 RT: 21.329 min Scan# 2417  
 Delta R.T. 0.000 min  
 Lab File: BN029061.D  
 Acq: 06 Dec 2023 18:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 241   |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 48.3  | 23.8  | 35.6# |
| 229      | 37.0  | 16.0  | 24.0# |

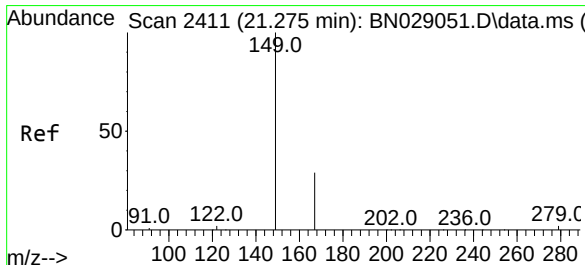
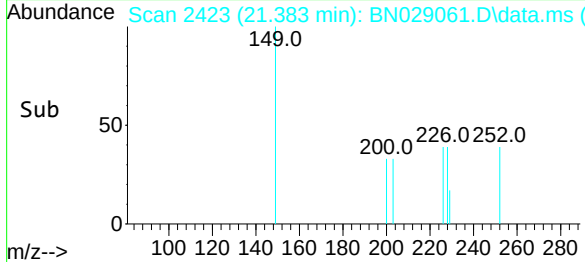
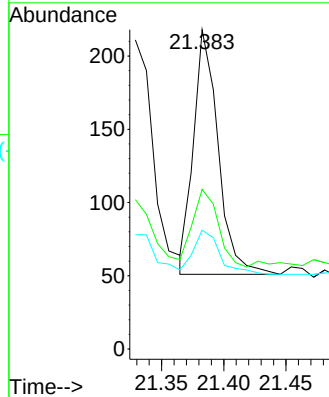
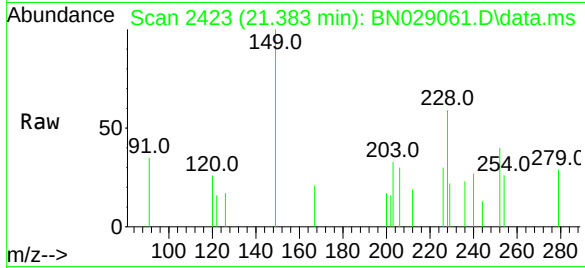




#33  
Chrysene  
Concen: 0.021 ng  
RT: 21.383 min Scan# 2423  
Delta R.T. 0.000 min  
Lab File: BN029061.D  
Acq: 06 Dec 2023 18:25

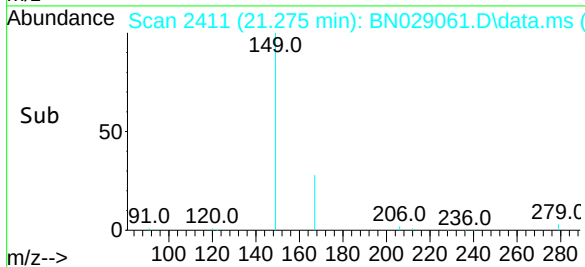
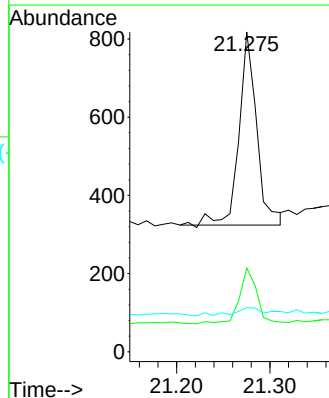
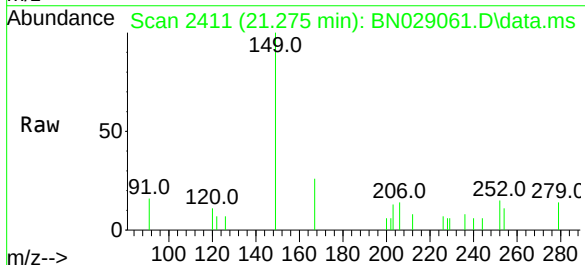
Instrument :  
BNA\_N  
ClientSampleId :  
RE122D3-20231110

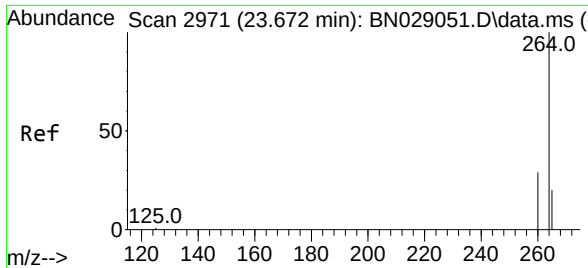
Tgt Ion:228 Resp: 229  
Ion Ratio Lower Upper  
228 100  
226 50.0 25.4 38.0#  
229 37.2 16.0 24.0#



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.097 ng  
RT: 21.275 min Scan# 2411  
Delta R.T. 0.000 min  
Lab File: BN029061.D  
Acq: 06 Dec 2023 18:25

Tgt Ion:149 Resp: 656  
Ion Ratio Lower Upper  
149 100  
167 28.4 23.4 35.2  
279 6.1 3.4 5.2#





#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.667 min Scan# 2969  
Delta R.T. -0.003 min  
Lab File: BN029061.D  
Acq: 06 Dec 2023 18:25

Instrument :  
BNA\_N  
ClientSampleId :  
RE122D3-20231110

Tgt Ion:264 Resp: 2258

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 30.7  | 23.9  | 35.9  |
| 265 | 91.1  | 52.7  | 79.1  |

