

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121924\  
 Data File : BN035769.D  
 Acq On : 21 Dec 2024 07:37  
 Operator : RC/JU  
 Sample : P5281-04  
 Misc :  
 ALS Vial : 60 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT101D2-20241212

Quant Time: Dec 22 23:48:53 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112724.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 19 23:06:19 2024  
 Response via : Initial Calibration

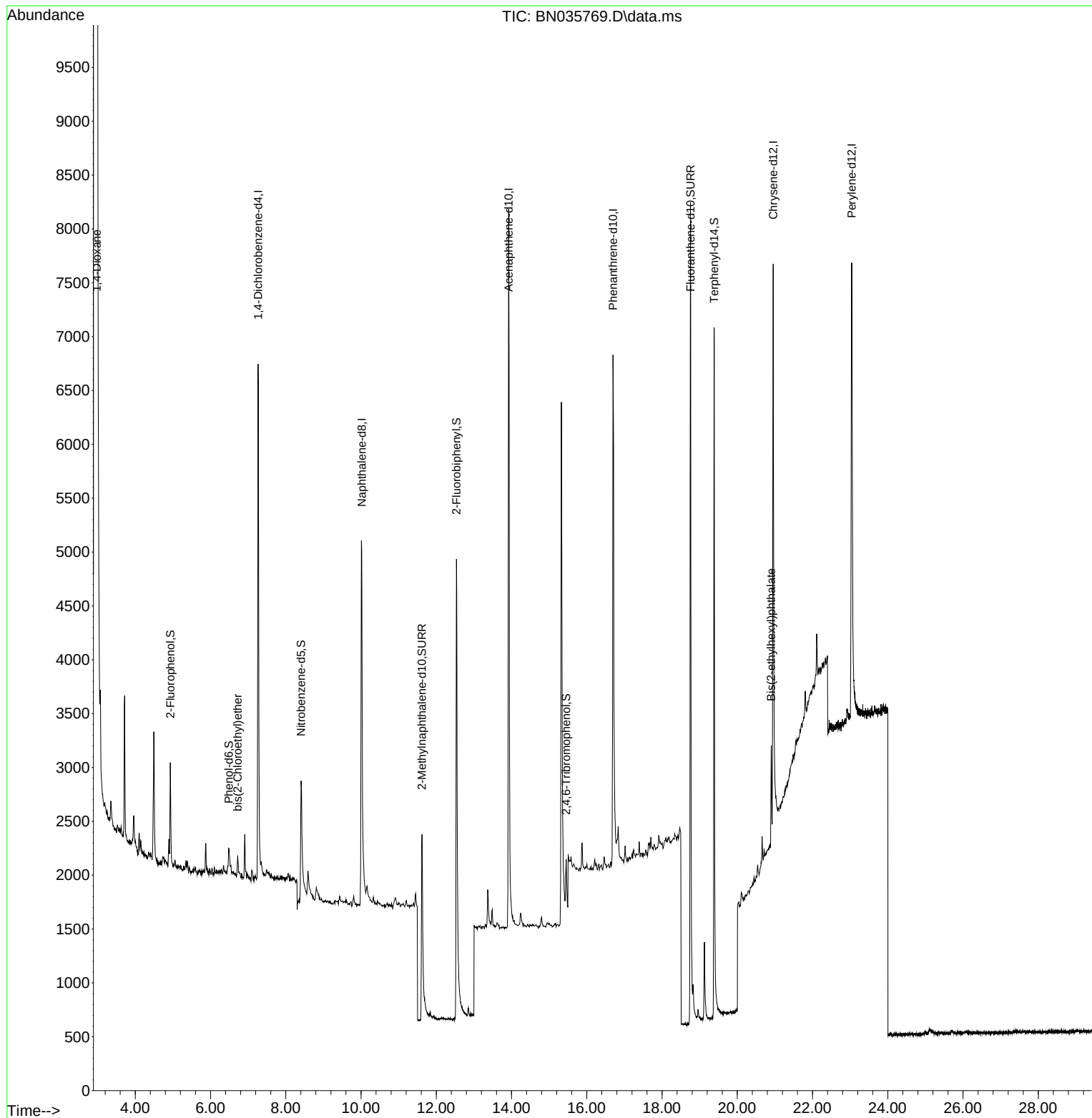
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.264  | 152  | 2743     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.020 | 136  | 6914     | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 13.924 | 164  | 4609     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 16.698 | 188  | 8869     | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 20.955 | 240  | 6973     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.041 | 264  | 7018     | 0.400 | ng    | # 0.00   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 4.931  | 112  | 867      | 0.126 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.484  | 99   | 464      | 0.056 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.407  | 82   | 1987     | 0.471 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.620 | 152  | 4080     | 0.377 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.453 | 330  | 584      | 0.179 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.538 | 172  | 6204     | 0.356 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 18.756 | 212  | 10621    | 0.422 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.388 | 244  | 7951     | 0.578 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.974  | 88   | 14369    | 5.480 | ng    | 97       |
| 6) bis(2-Chloroethyl)ether    | 6.722  | 93   | 220      | 0.032 | ng    | 97       |
| 34) Bis(2-ethylhexyl)phtha... | 20.902 | 149  | 900      | 0.093 | ng    | # 99     |
| -----                         |        |      |          |       |       |          |

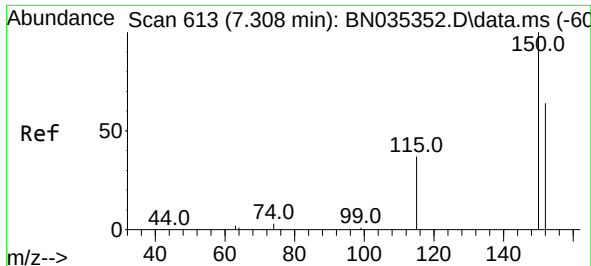
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121924\  
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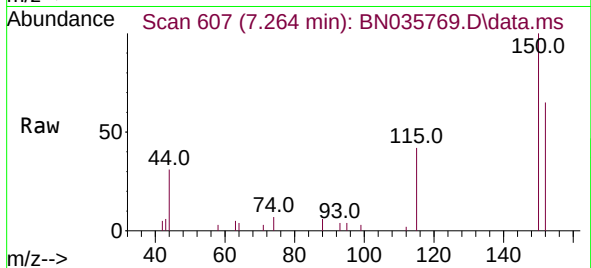
Quant Time: Dec 22 23:48:53 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112724.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 19 23:06:19 2024  
Response via : Initial Calibration





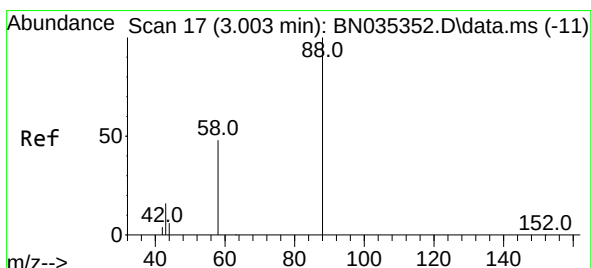
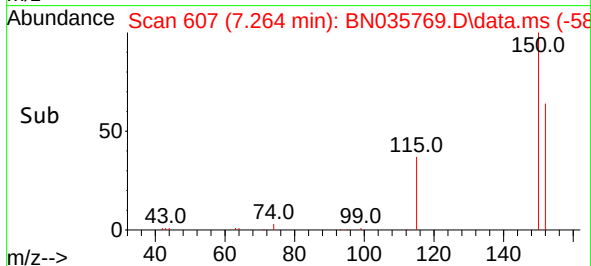
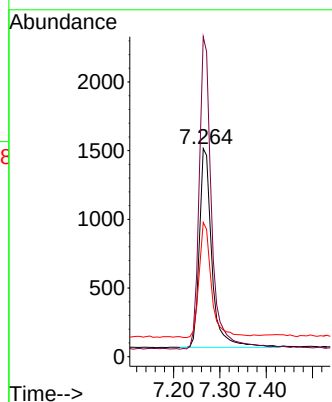
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.264 min Scan# 60  
 Delta R.T. -0.008 min  
 Lab File: BN035769.D  
 Acq: 21 Dec 2024 07:37

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT101D2-20241212



Tgt Ion:152 Resp: 2743

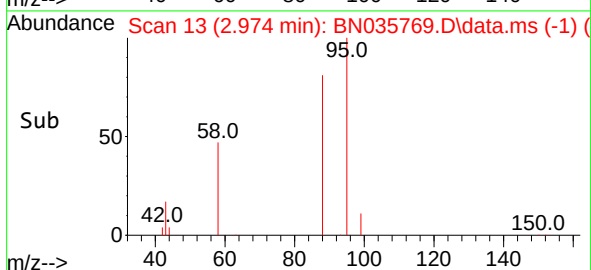
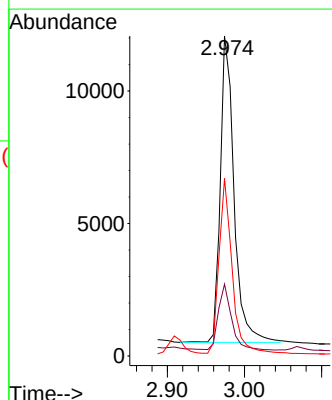
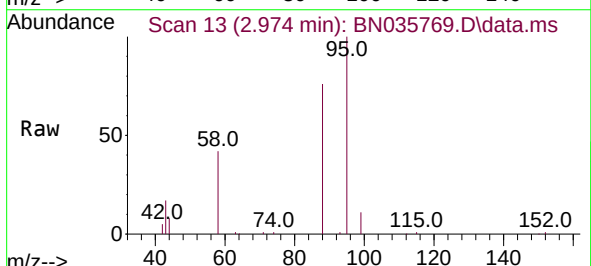
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 153.7 | 124.0 | 186.0 |
| 115 | 64.4  | 49.6  | 74.4  |

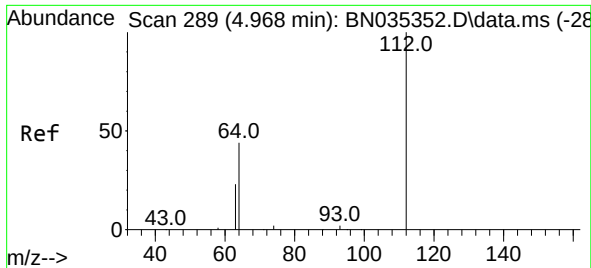


#2  
 1,4-Dioxane  
 Concen: 5.480 ng  
 RT: 2.974 min Scan# 13  
 Delta R.T. -0.008 min  
 Lab File: BN035769.D  
 Acq: 21 Dec 2024 07:37

Tgt Ion: 88 Resp: 14369

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 20.4  | 17.2  | 25.8  |
| 58  | 53.7  | 44.5  | 66.7  |

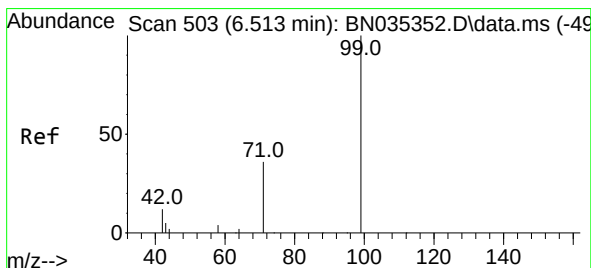
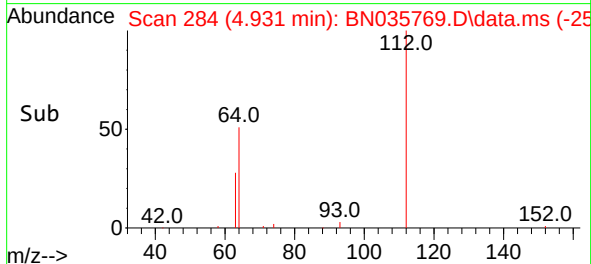
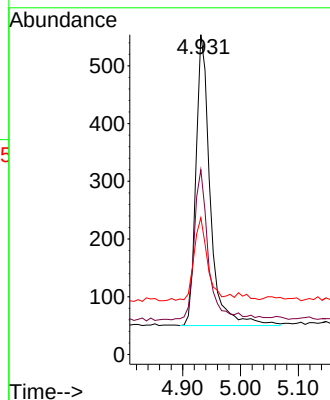
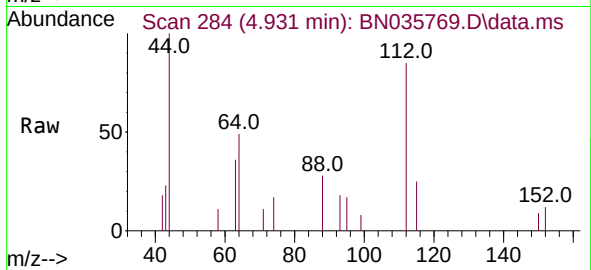




#4  
2-Fluorophenol  
Concen: 0.126 ng  
RT: 4.931 min Scan# 21  
Delta R.T. -0.008 min  
Lab File: BN035769.D  
Acq: 21 Dec 2024 07:37

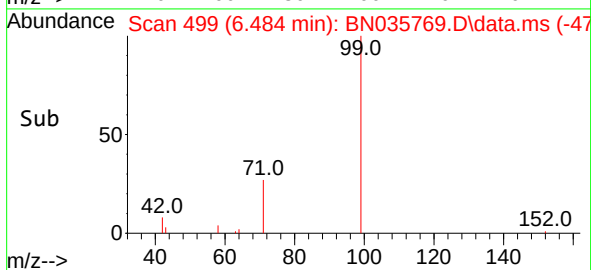
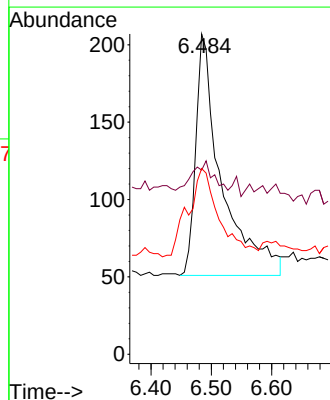
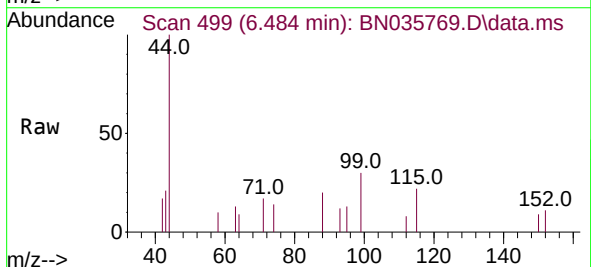
Instrument :  
BNA\_N  
ClientSampleId :  
TT101D2-20241212

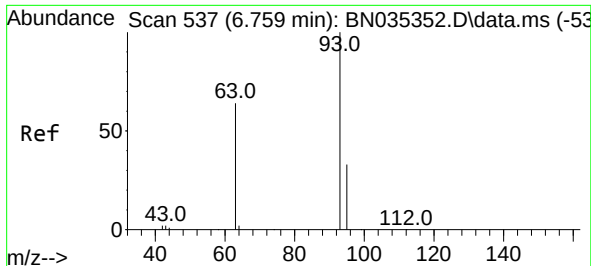
Tgt Ion:112 Resp: 867  
Ion Ratio Lower Upper  
112 100  
64 51.1 39.8 59.8  
63 27.6 21.0 31.6



#5  
Phenol-d6  
Concen: 0.056 ng  
RT: 6.484 min Scan# 499  
Delta R.T. -0.008 min  
Lab File: BN035769.D  
Acq: 21 Dec 2024 07:37

Tgt Ion: 99 Resp: 464  
Ion Ratio Lower Upper  
99 100  
42 9.1 11.4 17.2#  
71 44.4 29.3 43.9#

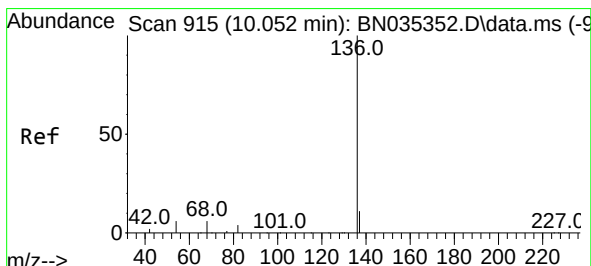
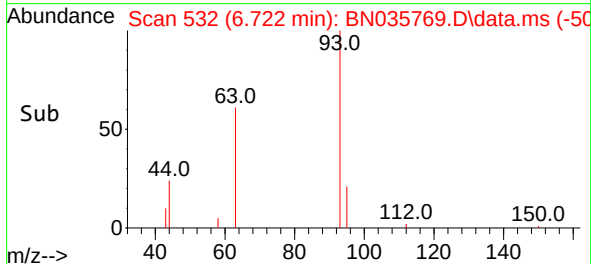
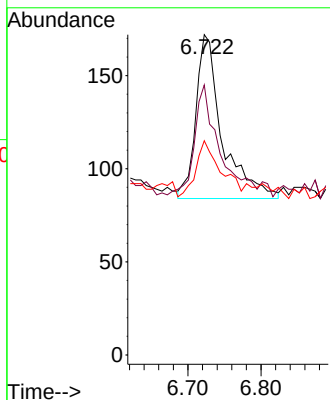
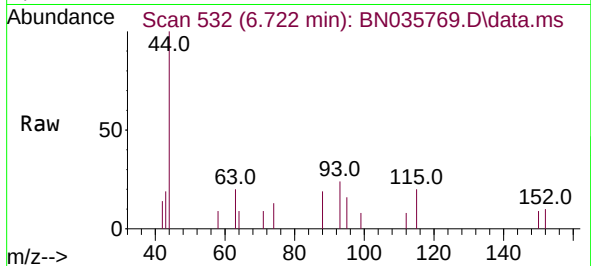




#6  
bis(2-Chloroethyl)ether  
Concen: 0.032 ng  
RT: 6.722 min Scan# 511  
Delta R.T. -0.008 min  
Lab File: BN035769.D  
Acq: 21 Dec 2024 07:37

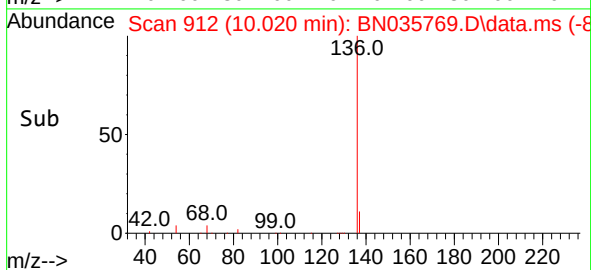
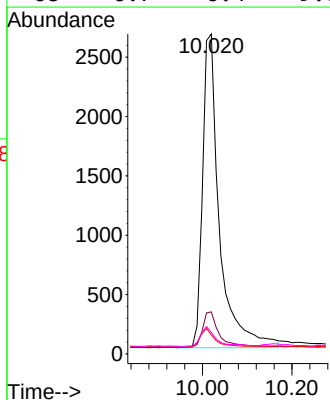
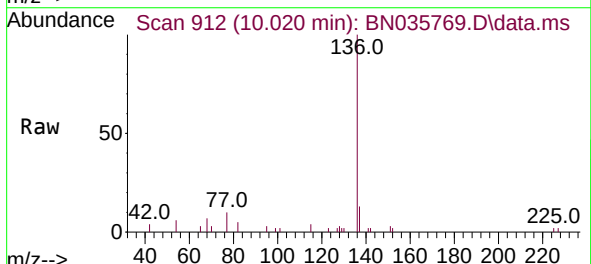
Instrument :  
BNA\_N  
ClientSampleId :  
TT101D2-20241212

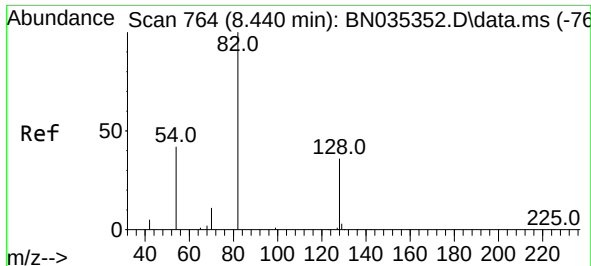
Tgt Ion: 93 Resp: 220  
Ion Ratio Lower Upper  
93 100  
63 61.4 50.4 75.6  
95 34.1 25.7 38.5



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.020 min Scan# 912  
Delta R.T. -0.000 min  
Lab File: BN035769.D  
Acq: 21 Dec 2024 07:37

Tgt Ion: 136 Resp: 6914  
Ion Ratio Lower Upper  
136 100  
137 13.2 10.2 15.2  
54 5.9 6.1 9.1#  
68 6.7 6.4 9.6

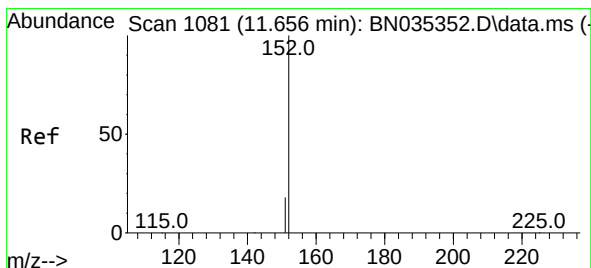
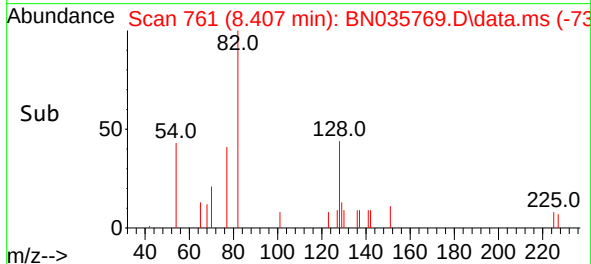
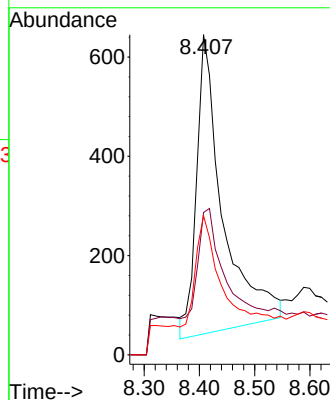
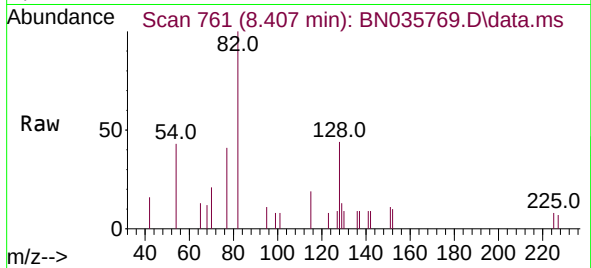




#8  
Nitrobenzene-d5  
Concen: 0.471 ng  
RT: 8.407 min Scan# 70  
Delta R.T. -0.000 min  
Lab File: BN035769.D  
Acq: 21 Dec 2024 07:37

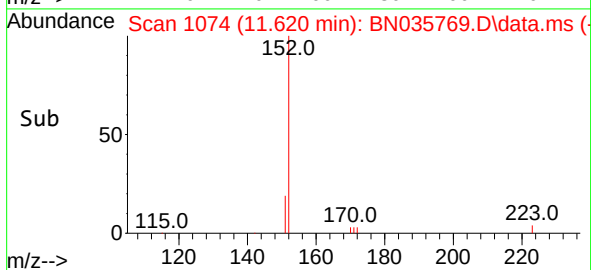
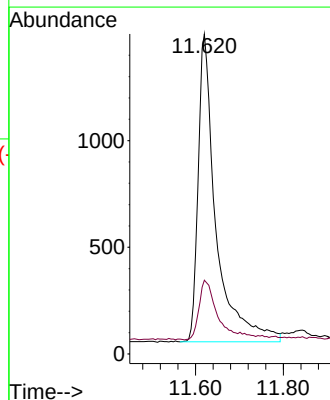
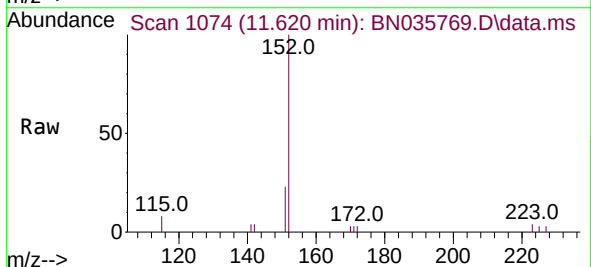
Instrument :  
BNA\_N  
ClientSampleId :  
TT101D2-20241212

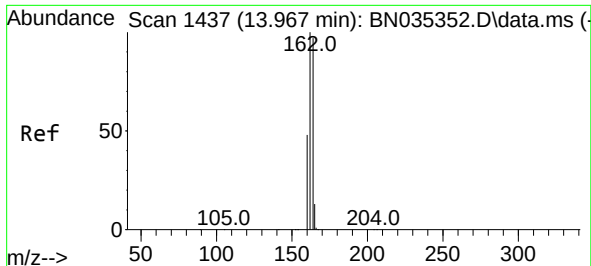
Tgt Ion: 82 Resp: 1987  
Ion Ratio Lower Upper  
82 100  
128 44.5 33.4 50.0  
54 43.4 36.7 55.1



#11  
2-Methylnaphthalene-d10  
Concen: 0.377 ng  
RT: 11.620 min Scan# 1074  
Delta R.T. -0.000 min  
Lab File: BN035769.D  
Acq: 21 Dec 2024 07:37

Tgt Ion: 152 Resp: 4080  
Ion Ratio Lower Upper  
152 100  
151 19.1 16.6 25.0

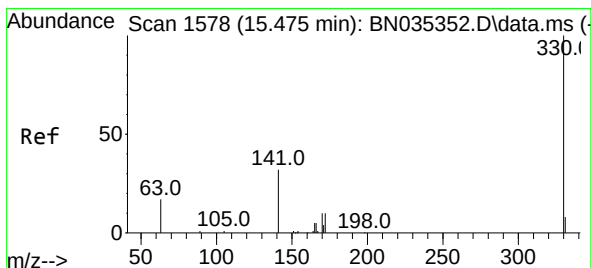
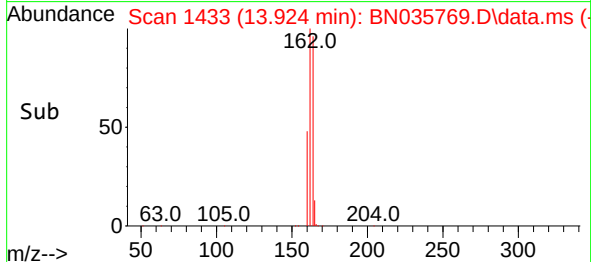
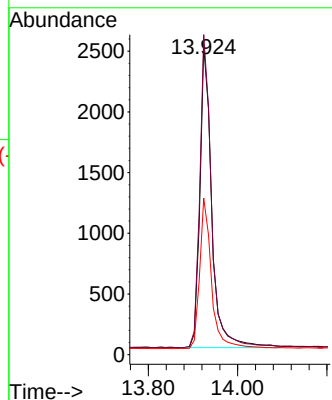
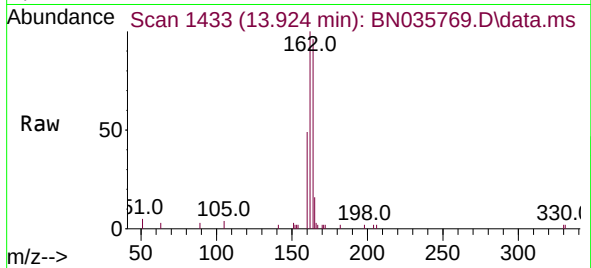




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 13.924 min Scan# 14  
Delta R.T. -0.011 min  
Lab File: BN035769.D  
Acq: 21 Dec 2024 07:37

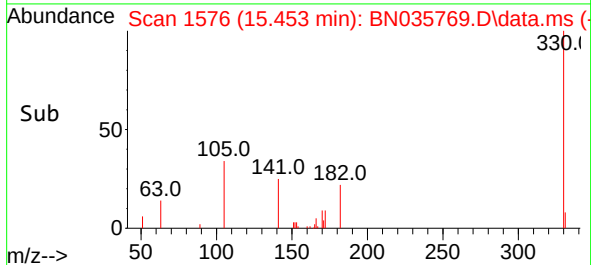
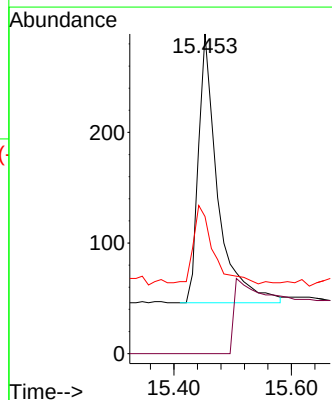
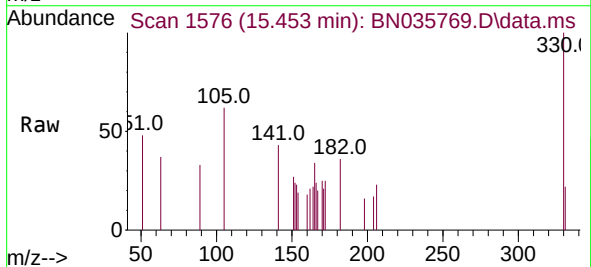
Instrument :  
BNA\_N  
ClientSampleId :  
TT101D2-20241212

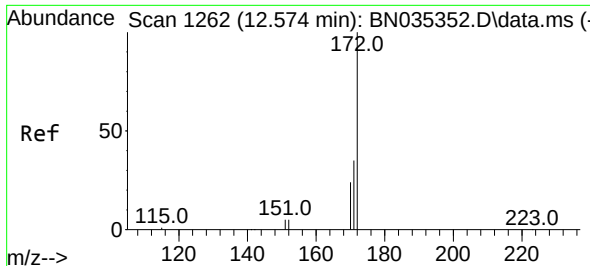
Tgt Ion:164 Resp: 4609  
Ion Ratio Lower Upper  
164 100  
162 103.7 82.2 123.2  
160 50.7 40.1 60.1



#14  
2,4,6-Tribromophenol  
Concen: 0.179 ng  
RT: 15.453 min Scan# 1576  
Delta R.T. -0.000 min  
Lab File: BN035769.D  
Acq: 21 Dec 2024 07:37

Tgt Ion:330 Resp: 584  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 29.8 26.6 40.0

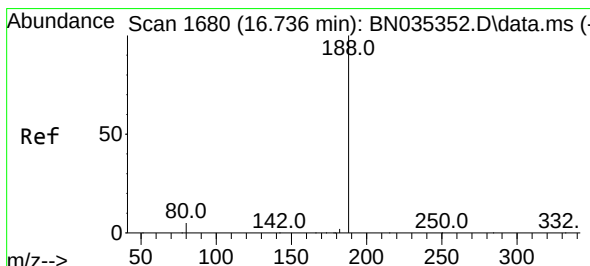
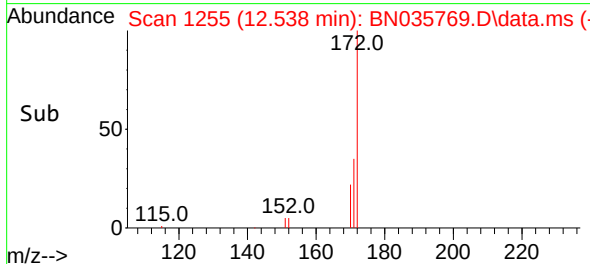
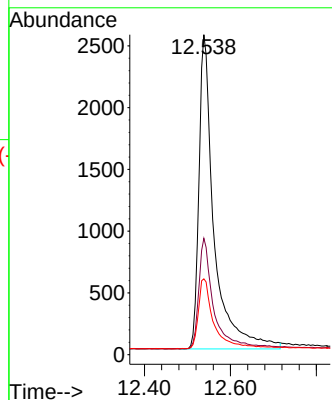
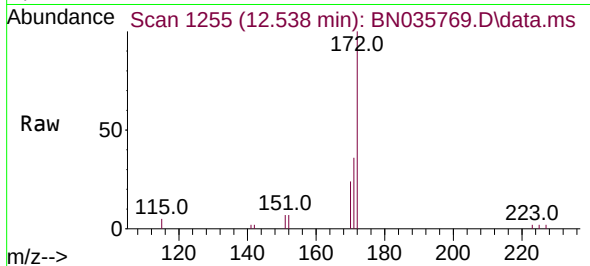




#15  
2-Fluorobiphenyl  
Concen: 0.356 ng  
RT: 12.538 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BN035769.D  
Acq: 21 Dec 2024 07:37

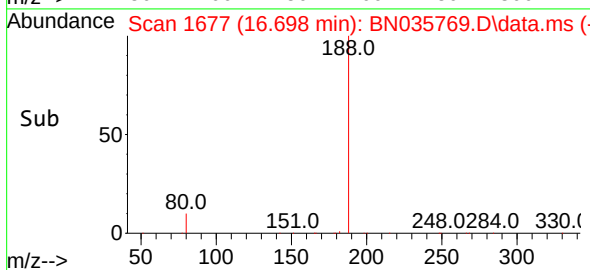
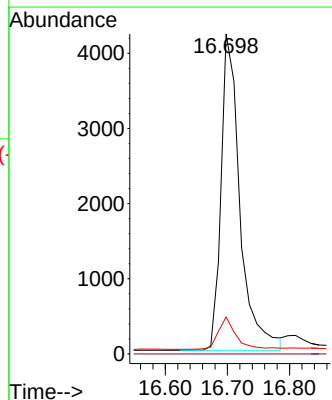
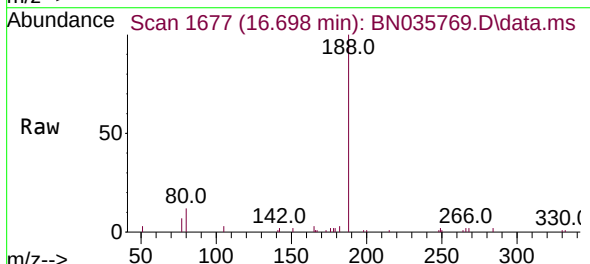
Instrument :  
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|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:172 | Resp: | 6204      |
| Ion Ratio   | Lower | Upper     |
| 172         | 100   |           |
| 171         | 36.4  | 29.0 43.4 |
| 170         | 23.7  | 19.8 29.8 |

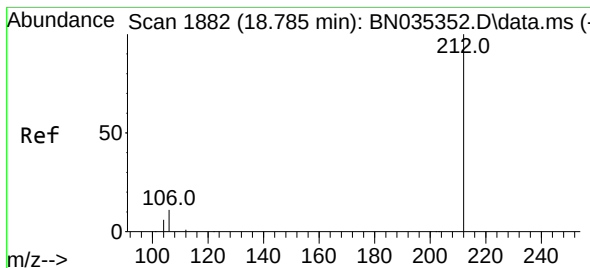


#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.698 min Scan# 1677  
Delta R.T. -0.000 min  
Lab File: BN035769.D  
Acq: 21 Dec 2024 07:37

|             |       |         |
|-------------|-------|---------|
| Tgt Ion:188 | Resp: | 8869    |
| Ion Ratio   | Lower | Upper   |
| 188         | 100   |         |
| 94          | 0.0   | 0.0 0.0 |
| 80          | 11.6  | 4.6 6.8 |







#27

Fluoranthene-d10

Concen: 0.422 ng

RT: 18.756 min Scan# 1876

Delta R.T. -0.005 min

Lab File: BN035769.D

Acq: 21 Dec 2024 07:37

Instrument :

BNA\_N

ClientSampleId :

TT101D2-20241212

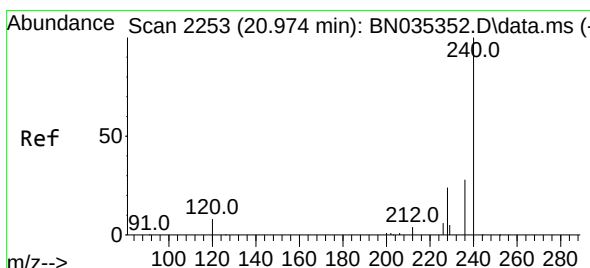
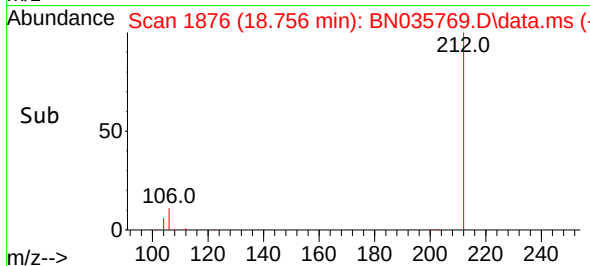
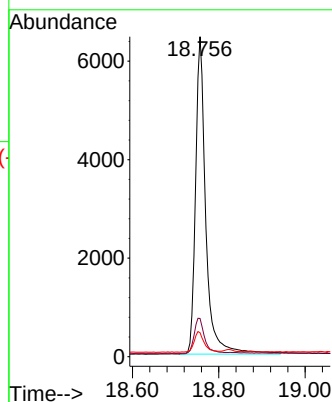
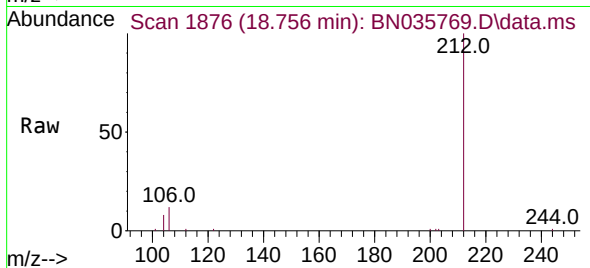
Tgt Ion:212 Resp: 10621

Ion Ratio Lower Upper

212 100

106 11.3 9.2 13.8

104 6.2 5.3 7.9



#29

Chrysene-d12

Concen: 0.400 ng

RT: 20.955 min Scan# 2251

Delta R.T. -0.000 min

Lab File: BN035769.D

Acq: 21 Dec 2024 07:37

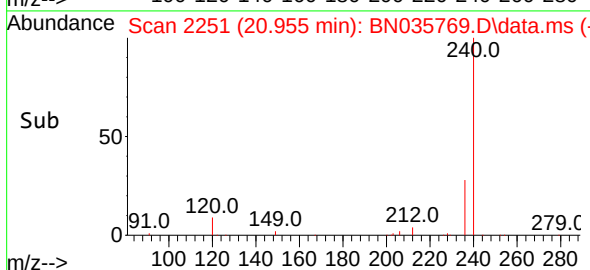
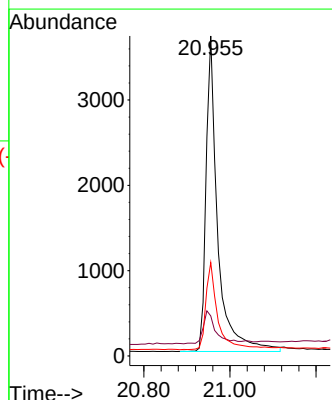
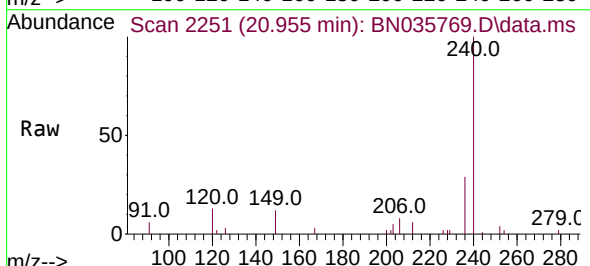
Tgt Ion:240 Resp: 6973

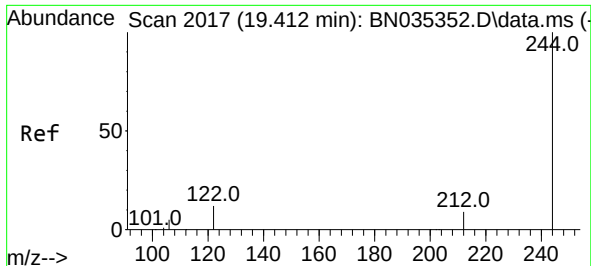
Ion Ratio Lower Upper

240 100

120 12.5 7.9 11.9#

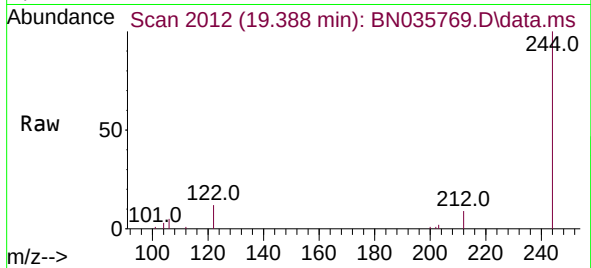
236 29.2 22.9 34.3



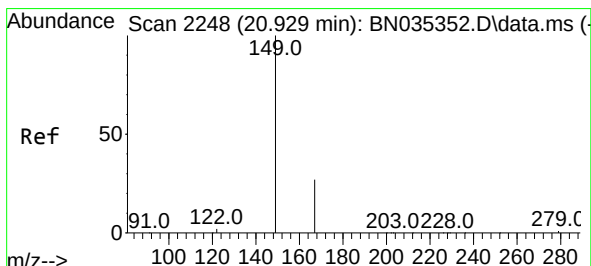
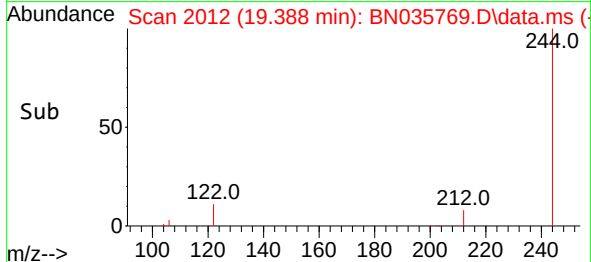
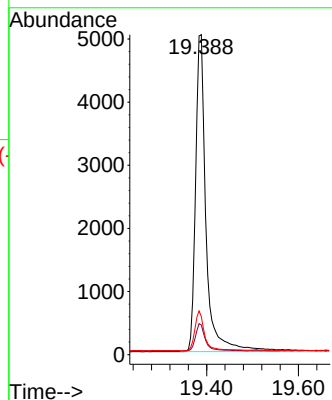


#31  
 Terphenyl-d14  
 Concen: 0.578 ng  
 RT: 19.388 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: BN035769.D  
 Acq: 21 Dec 2024 07:37

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT101D2-20241212

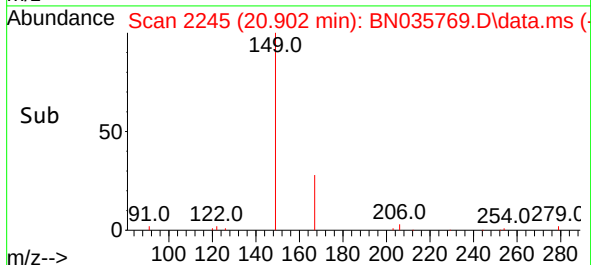
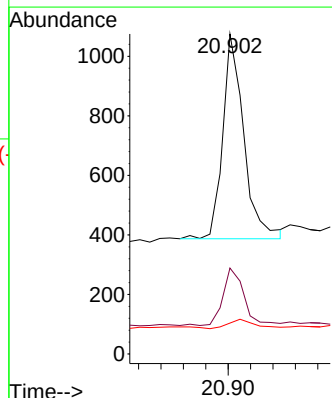
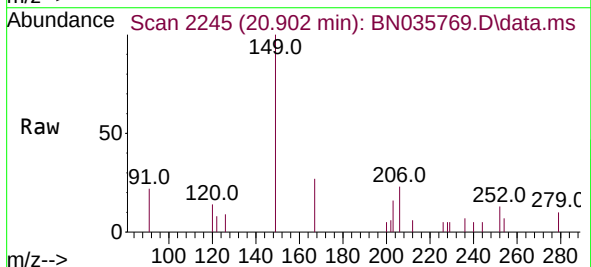


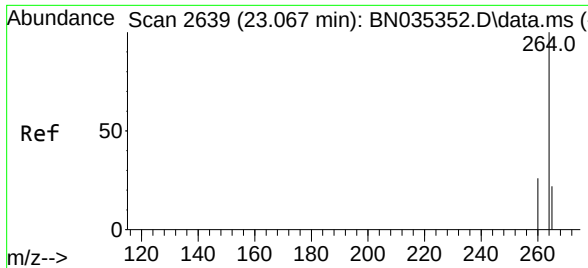
Tgt Ion:244 Resp: 7951  
 Ion Ratio Lower Upper  
 244 100  
 212 9.3 8.1 12.1  
 122 11.9 10.3 15.5



#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.093 ng  
 RT: 20.902 min Scan# 2245  
 Delta R.T. -0.009 min  
 Lab File: BN035769.D  
 Acq: 21 Dec 2024 07:37

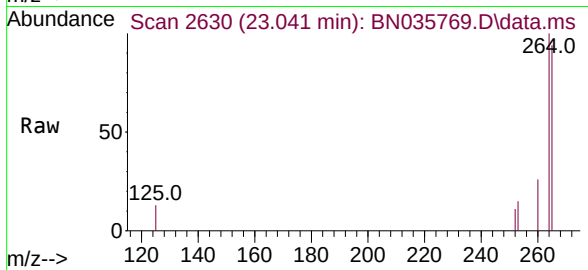
Tgt Ion:149 Resp: 900  
 Ion Ratio Lower Upper  
 149 100  
 167 27.9 22.2 33.4  
 279 5.9 2.7 4.1#





#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.041 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: BN035769.D  
 Acq: 21 Dec 2024 07:37

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT101D2-20241212



Tgt Ion:264 Resp: 7018  
 Ion Ratio Lower Upper  
 264 100  
 260 26.5 21.4 32.2  
 265 93.9 40.2 60.4#

