

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100923\  
 Data File : BN028169.D  
 Acq On : 09 Oct 2023 20:01  
 Operator : MA/JU  
 Sample : 04595-02  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-RW10A-GW-440-442

Quant Time: Oct 10 00:44:35 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN100223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 10 00:42:22 2023  
 Response via : Initial Calibration

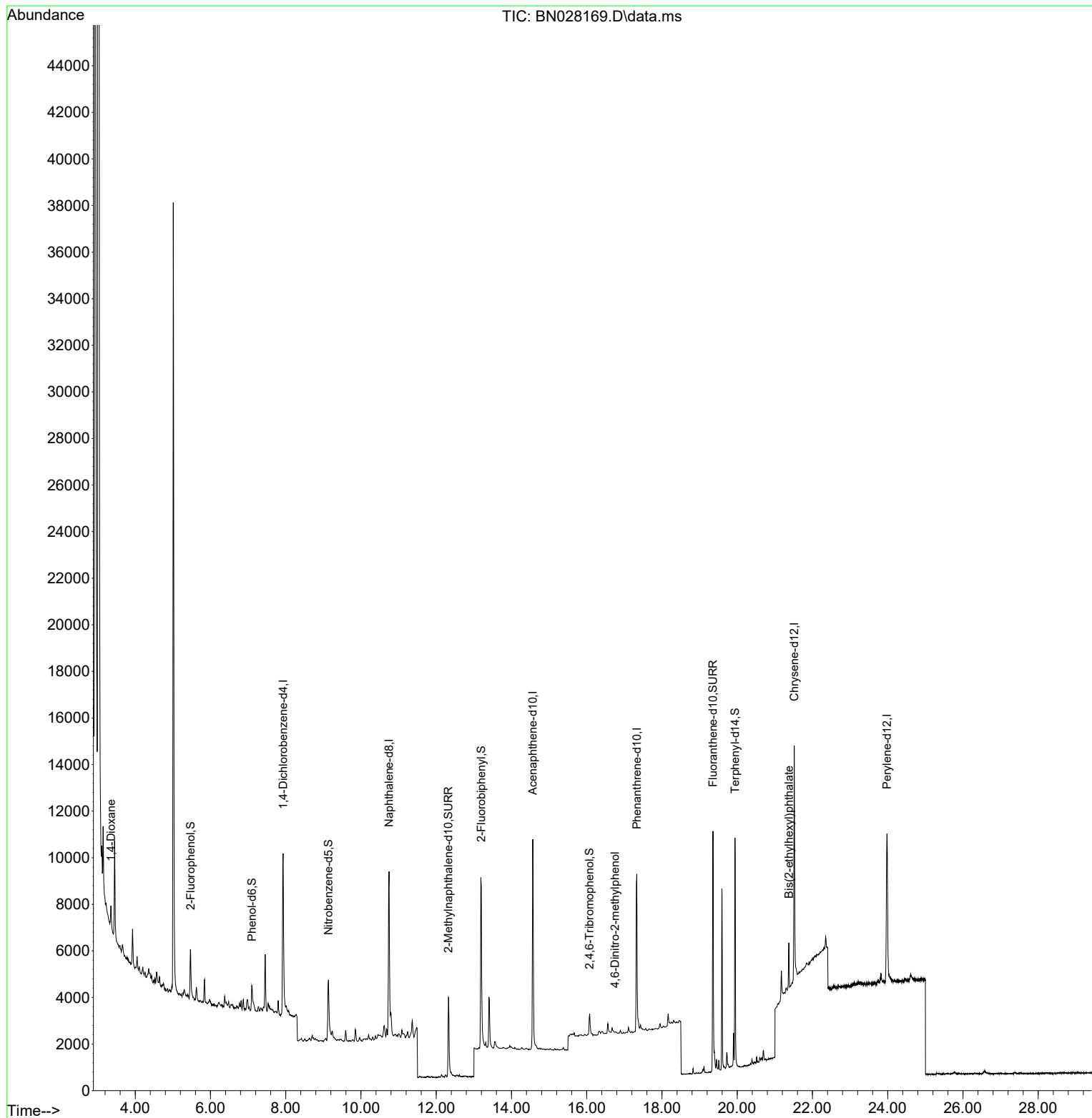
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.929  | 152  | 4035     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.746 | 136  | 11708    | 0.400 | ng    | 0.01     |
| 13) Acenaphthene-d10          | 14.566 | 164  | 5950     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.331 | 188  | 11422    | 0.400 | ng    | # 0.01   |
| 29) Chrysene-d12              | 21.515 | 240  | 10126    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.981 | 264  | 10587    | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.473  | 112  | 2256     | 0.187 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.098  | 99   | 1662     | 0.109 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.134  | 82   | 3727     | 0.374 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10   | 12.324 | 152  | 6086     | 0.351 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.077 | 330  | 659      | 0.242 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.197 | 172  | 8573     | 0.400 | ng    | 0.01     |
| 27) Fluoranthene-d10          | 19.356 | 212  | 11993    | 0.418 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.941 | 244  | 10769    | 0.456 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.357  | 88   | 745      | 0.165 | ng    | # 34     |
| 20) 4,6-Dinitro-2-methylph... | 16.748 | 198  | 13       | 0.086 | ng    | # 27     |
| 34) Bis(2-ethylhexyl)phtha... | 21.372 | 149  | 1944     | 0.086 | ng    | 96       |
| -----                         |        |      |          |       |       |          |

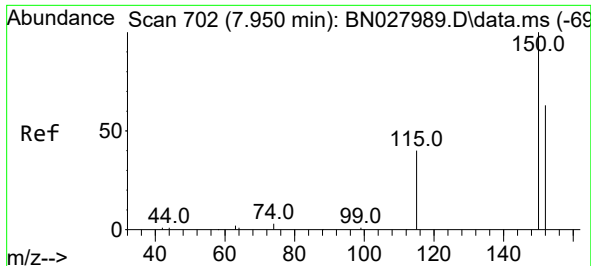
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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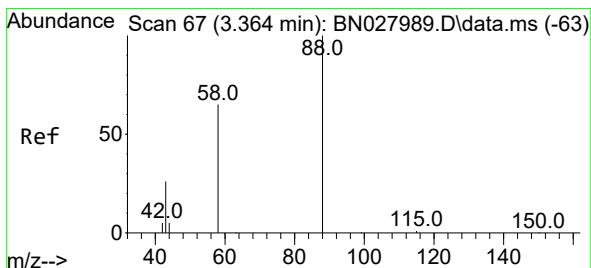
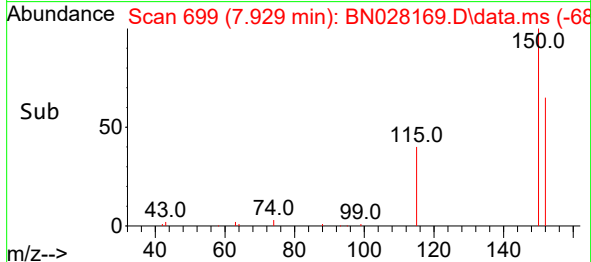
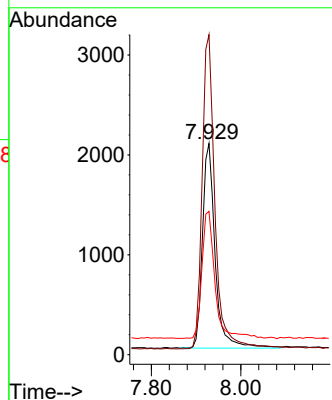
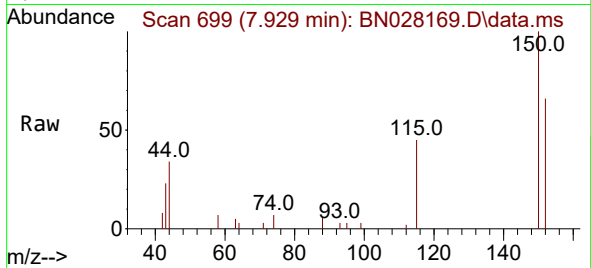




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.929 min Scan# 61  
 Delta R.T. 0.007 min  
 Lab File: BN028169.D  
 Acq: 09 Oct 2023 20:01

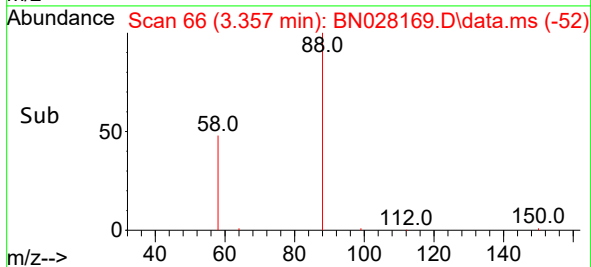
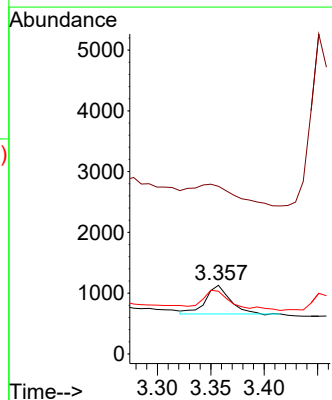
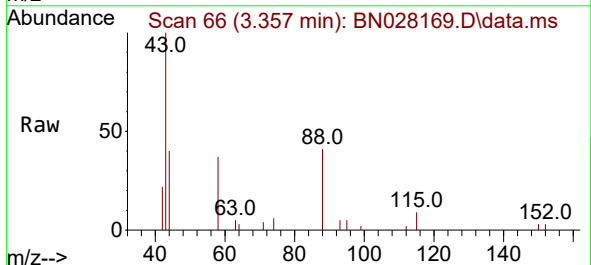
Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-RW10A-GW-440-442

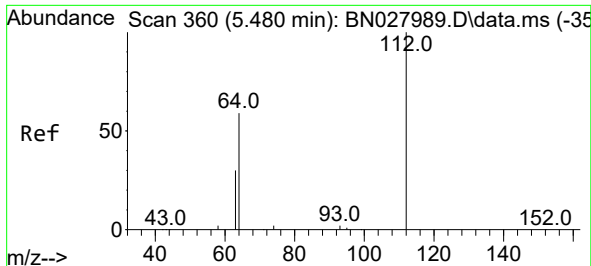
Tgt Ion:152 Resp: 4035  
 Ion Ratio Lower Upper  
 152 100  
 150 151.6 125.6 188.4  
 115 67.9 54.8 82.2



#2  
 1,4-Dioxane  
 Concen: 0.165 ng  
 RT: 3.357 min Scan# 66  
 Delta R.T. -0.000 min  
 Lab File: BN028169.D  
 Acq: 09 Oct 2023 20:01

Tgt Ion: 88 Resp: 745  
 Ion Ratio Lower Upper  
 88 100  
 43 121.3 24.6 36.8#  
 58 83.5 53.8 80.6#

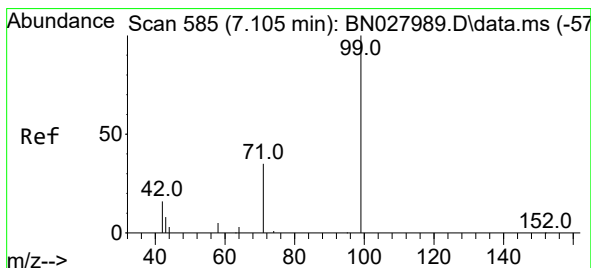
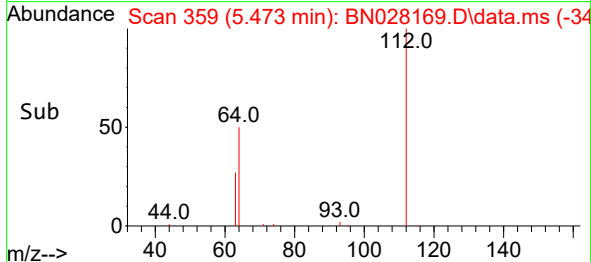
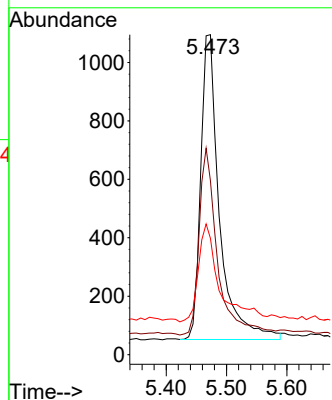
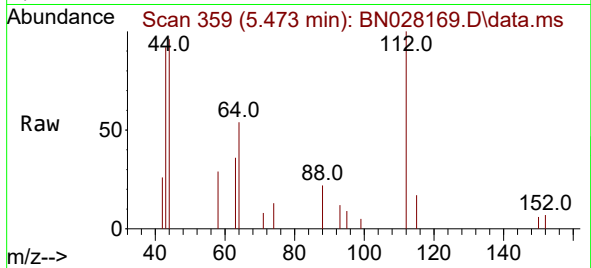




#4  
2-Fluorophenol  
Concen: 0.187 ng  
RT: 5.473 min Scan# 31  
Delta R.T. 0.007 min  
Lab File: BN028169.D  
Acq: 09 Oct 2023 20:01

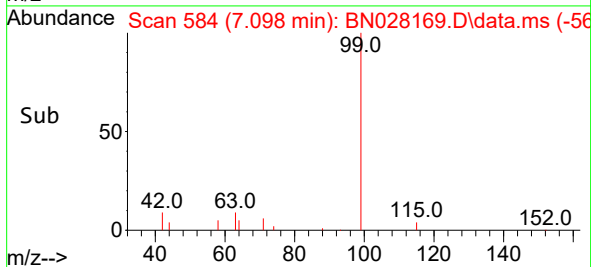
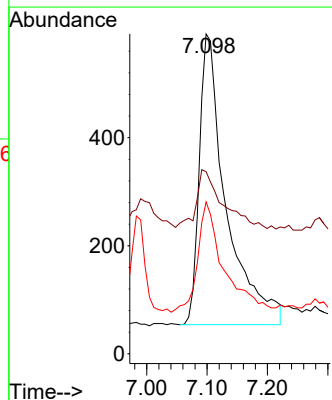
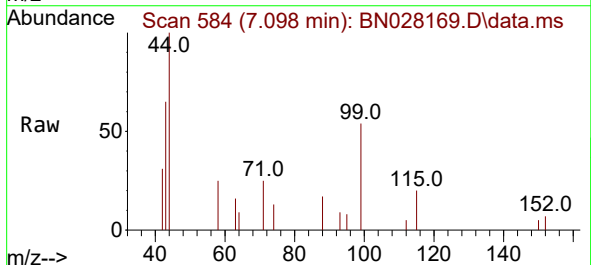
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-RW10A-GW-440-442

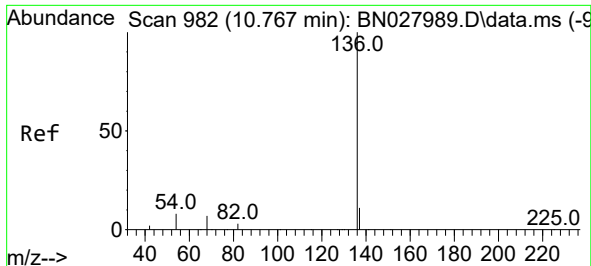
Tgt Ion:112 Resp: 2256  
Ion Ratio Lower Upper  
112 100  
64 60.1 45.0 67.6  
63 36.9 23.4 35.0#



#5  
Phenol-d6  
Concen: 0.109 ng  
RT: 7.098 min Scan# 584  
Delta R.T. 0.007 min  
Lab File: BN028169.D  
Acq: 09 Oct 2023 20:01

Tgt Ion: 99 Resp: 1662  
Ion Ratio Lower Upper  
99 100  
42 19.8 14.6 22.0  
71 36.8 28.3 42.5

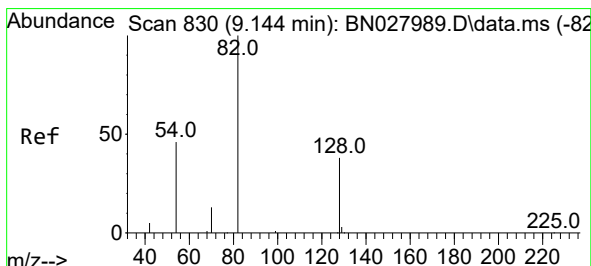
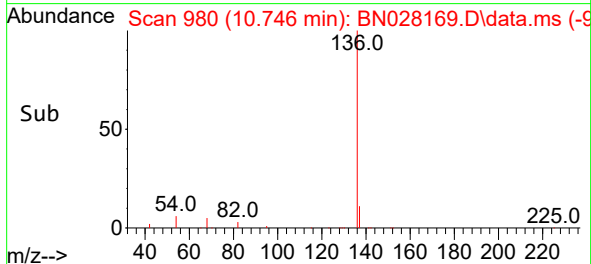
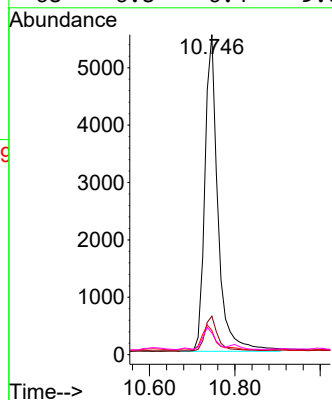
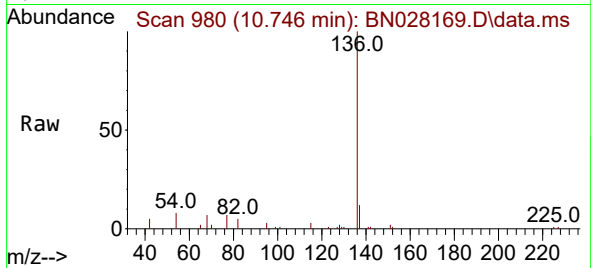




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.746 min Scan# 91  
Delta R.T. 0.011 min  
Lab File: BN028169.D  
Acq: 09 Oct 2023 20:01

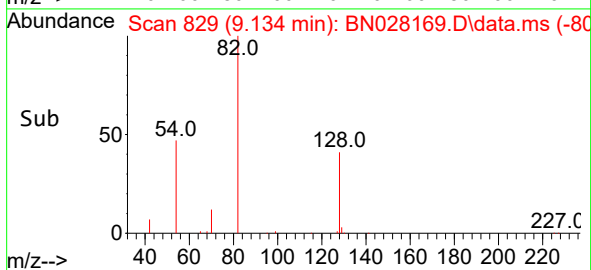
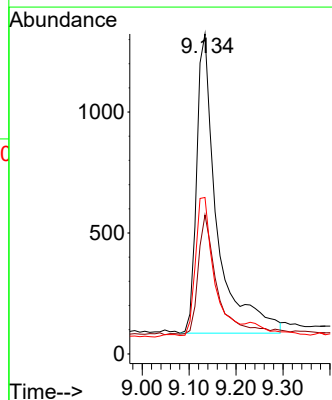
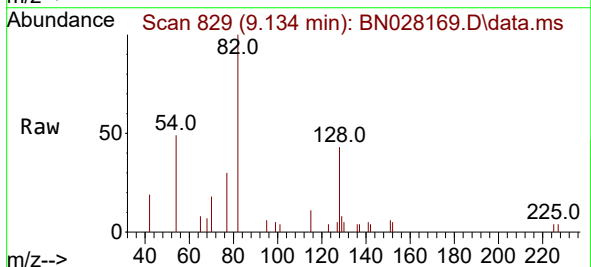
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-RW10A-GW-440-442

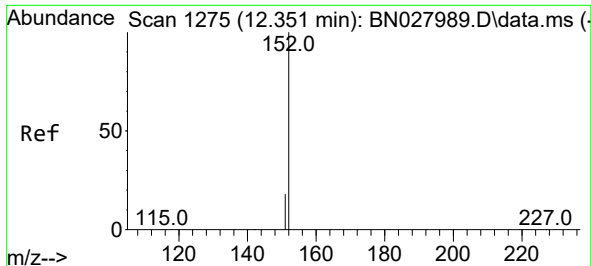
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 11708 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 12.1  | 9.4   | 14.0  |
| 54        | 7.5   | 7.0   | 10.6  |
| 68        | 6.8   | 6.4   | 9.6   |



#8  
Nitrobenzene-d5  
Concen: 0.374 ng  
RT: 9.134 min Scan# 829  
Delta R.T. 0.011 min  
Lab File: BN028169.D  
Acq: 09 Oct 2023 20:01

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 3727 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 43.5  | 32.7  | 49.1 |
| 54        | 48.9  | 38.7  | 58.1 |

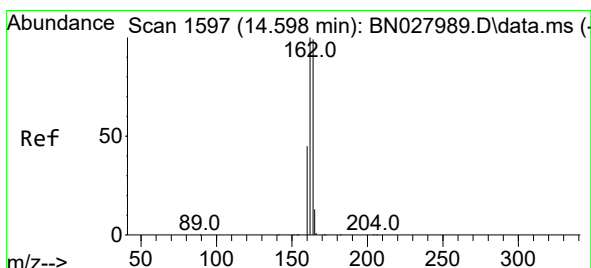
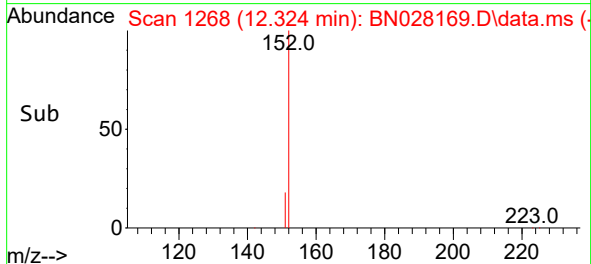
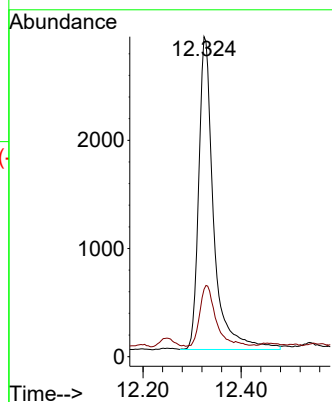
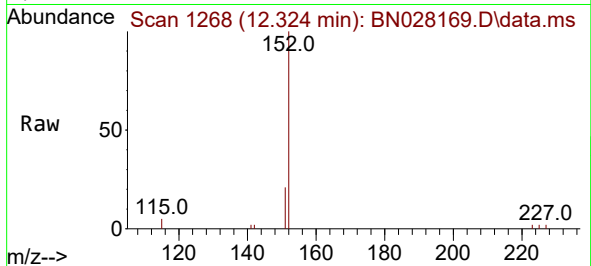




#11  
2-Methylnaphthalene-d10  
Concen: 0.351 ng  
RT: 12.324 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN028169.D  
Acq: 09 Oct 2023 20:01

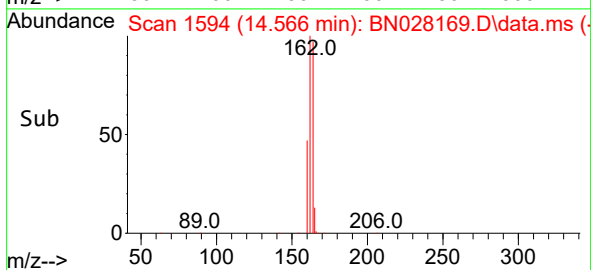
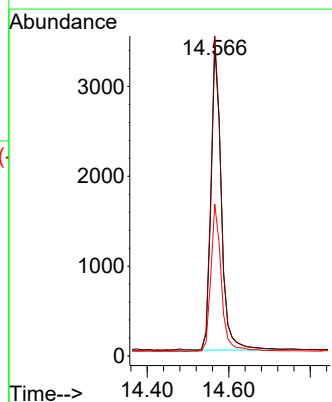
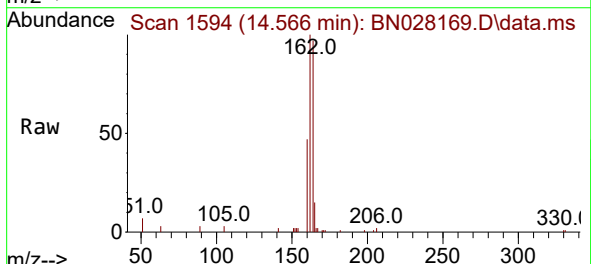
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-RW10A-GW-440-442

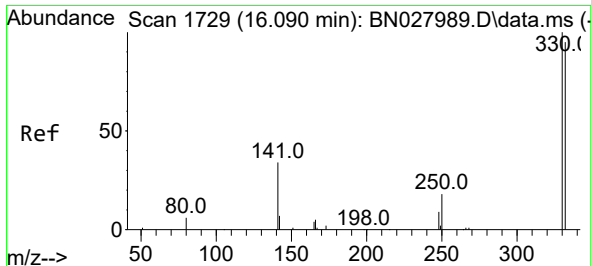
Tgt Ion:152 Resp: 6086  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.5 24.7



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.566 min Scan# 1594  
Delta R.T. -0.000 min  
Lab File: BN028169.D  
Acq: 09 Oct 2023 20:01

Tgt Ion:164 Resp: 5950  
Ion Ratio Lower Upper  
164 100  
162 103.2 80.8 121.2  
160 49.0 36.4 54.6

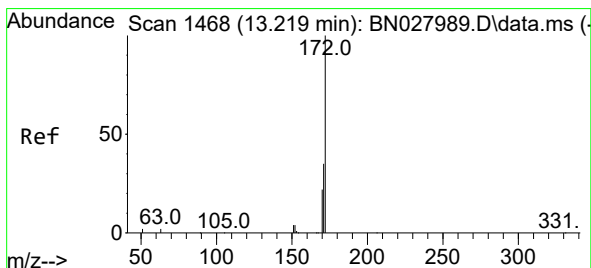
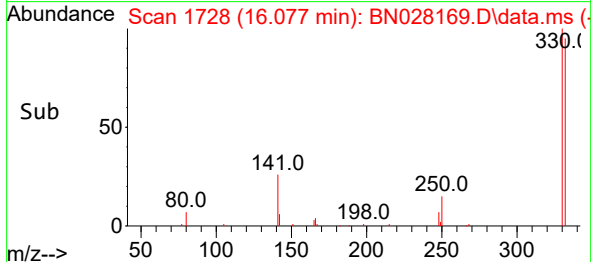
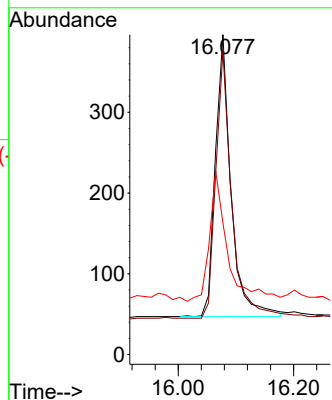
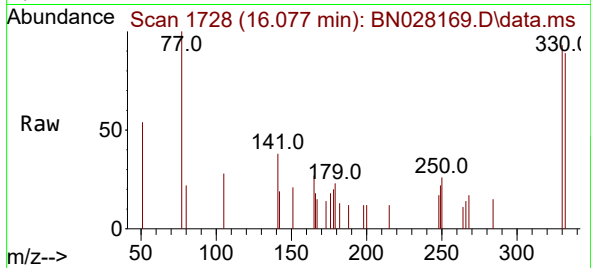




#14  
2,4,6-Tribromophenol  
Concen: 0.242 ng  
RT: 16.077 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN028169.D  
Acq: 09 Oct 2023 20:01

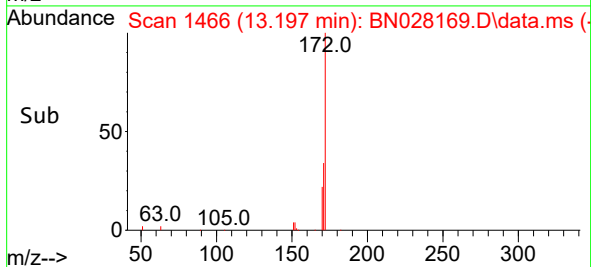
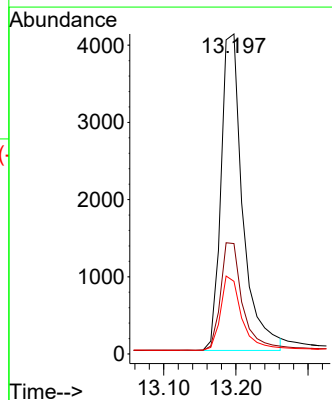
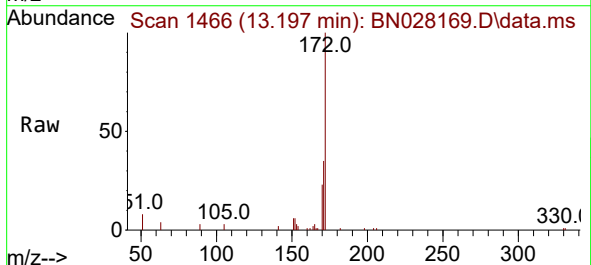
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-RW10A-GW-440-442

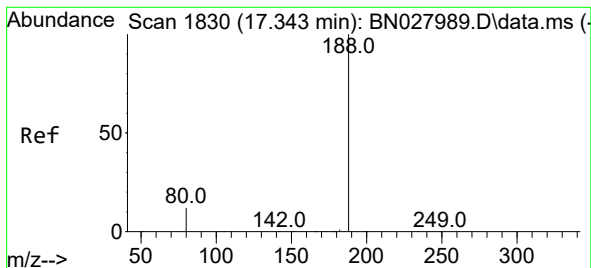
Tgt Ion:330 Resp: 659  
Ion Ratio Lower Upper  
330 100  
332 95.9 78.1 117.1  
141 52.2 33.4 50.2#



#15  
2-Fluorobiphenyl  
Concen: 0.400 ng  
RT: 13.197 min Scan# 1466  
Delta R.T. 0.011 min  
Lab File: BN028169.D  
Acq: 09 Oct 2023 20:01

Tgt Ion:172 Resp: 8573  
Ion Ratio Lower Upper  
172 100  
171 34.5 28.1 42.1  
170 22.7 18.4 27.6





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.331 min Scan# 1829

Delta R.T. 0.012 min

Lab File: BN028169.D

Acq: 09 Oct 2023 20:01

Instrument :

BNA\_N

ClientSampleId :

BP-VPB-RW10A-GW-440-442

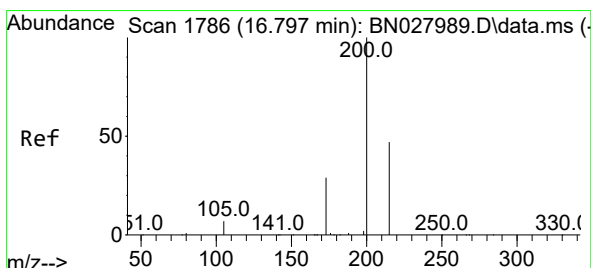
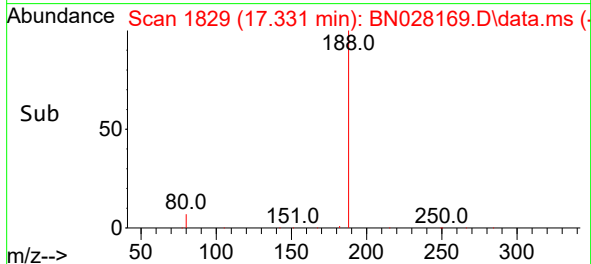
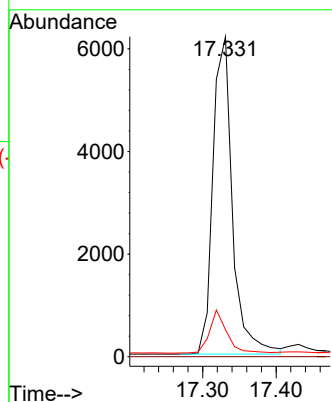
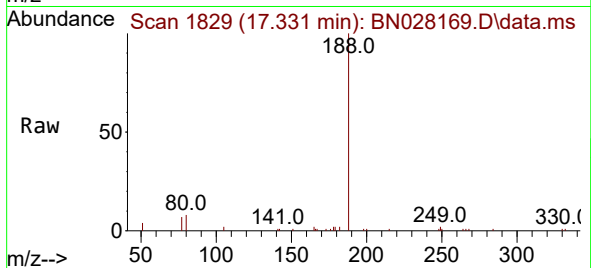
Tgt Ion:188 Resp: 11422

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.5 10.2 15.4#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.086 ng

RT: 16.748 min Scan# 1782

Delta R.T. -0.037 min

Lab File: BN028169.D

Acq: 09 Oct 2023 20:01

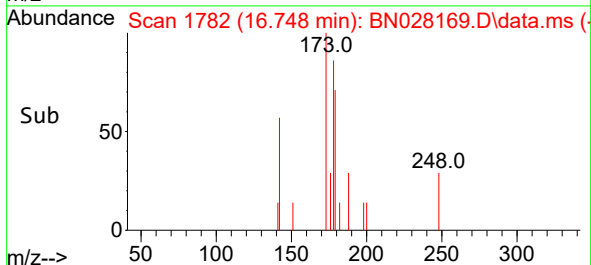
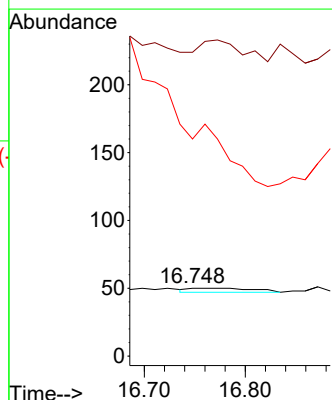
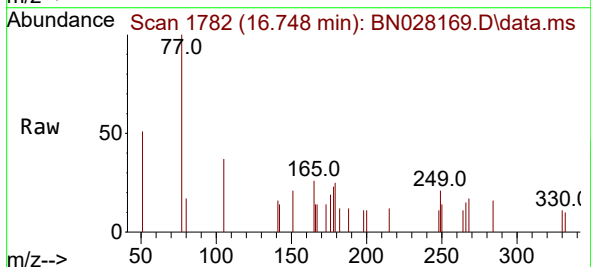
Tgt Ion:198 Resp: 13

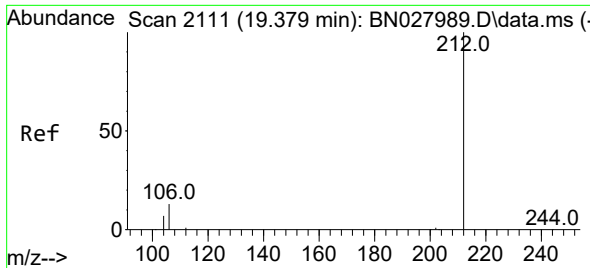
Ion Ratio Lower Upper

198 100

51 448.0 180.7 271.1#

105 320.0 222.2 333.2

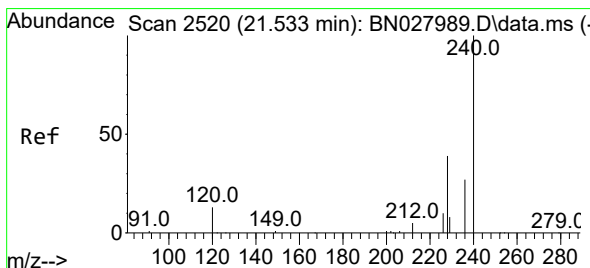
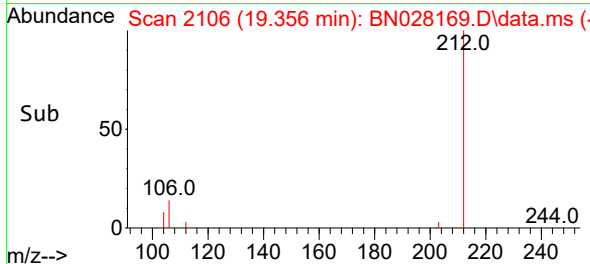
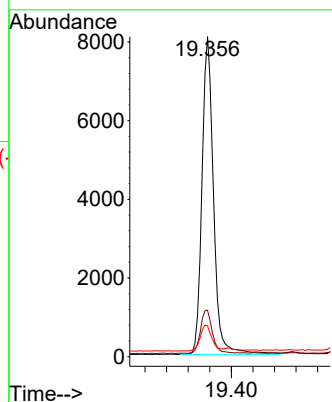
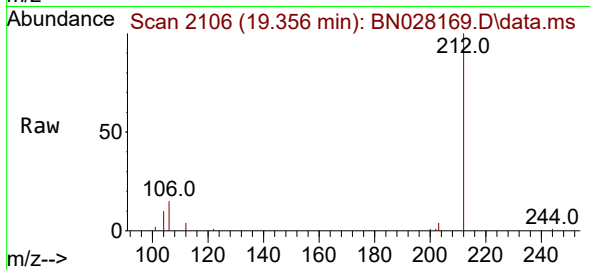




#27  
Fluoranthene-d10  
Concen: 0.418 ng  
RT: 19.356 min Scan# 2111  
Delta R.T. -0.000 min  
Lab File: BN028169.D  
Acq: 09 Oct 2023 20:01

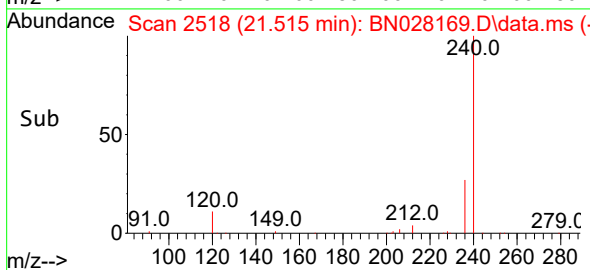
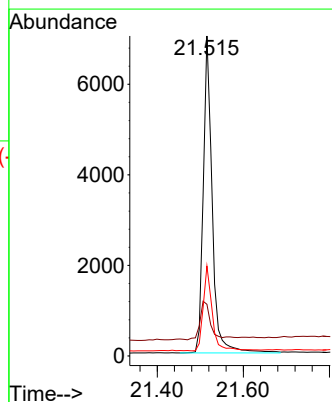
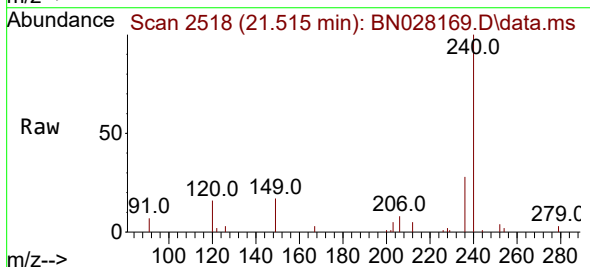
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-RW10A-GW-440-442

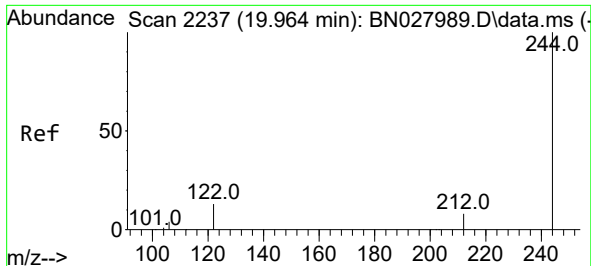
Tgt Ion:212 Resp: 11993  
Ion Ratio Lower Upper  
212 100  
106 13.9 11.3 16.9  
104 8.2 6.4 9.6



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.515 min Scan# 2518  
Delta R.T. -0.000 min  
Lab File: BN028169.D  
Acq: 09 Oct 2023 20:01

Tgt Ion:240 Resp: 10126  
Ion Ratio Lower Upper  
240 100  
120 16.1 13.8 20.6  
236 28.1 22.6 33.8

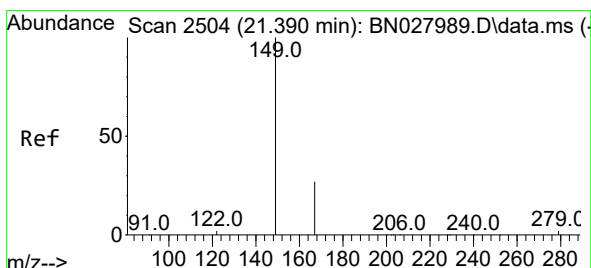
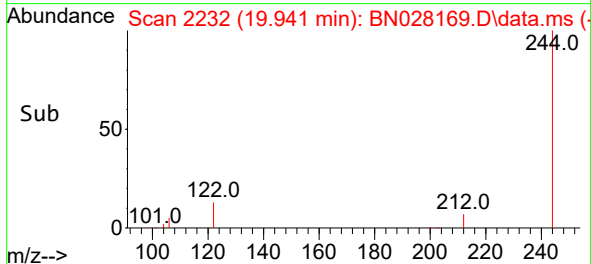
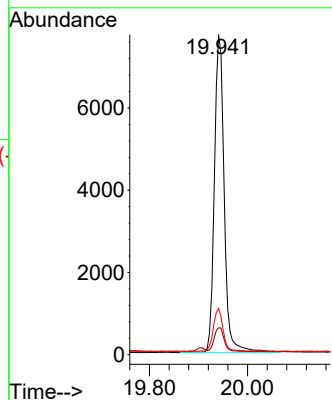
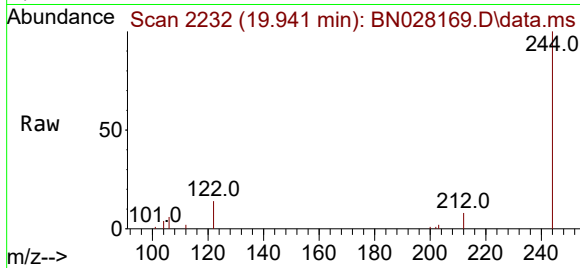




#31  
 Terphenyl-d14  
 Concen: 0.456 ng  
 RT: 19.941 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: BN028169.D  
 Acq: 09 Oct 2023 20:01

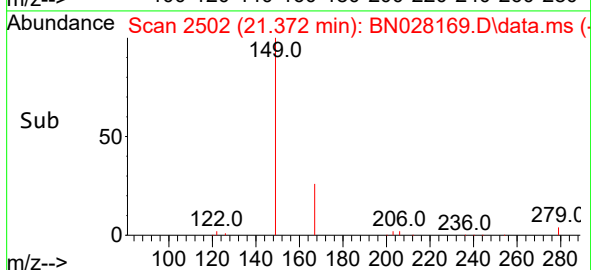
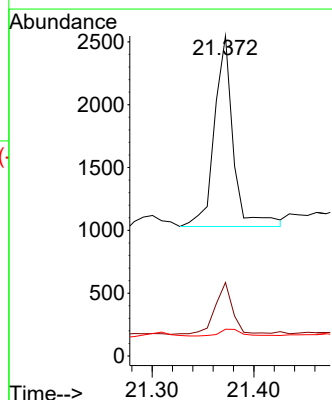
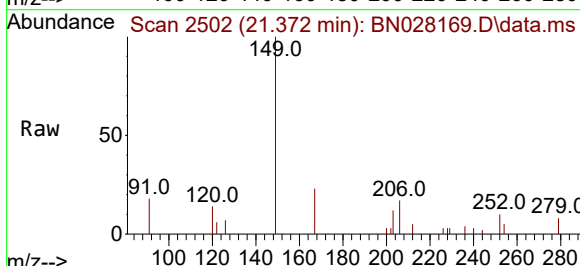
Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-RW10A-GW-440-442

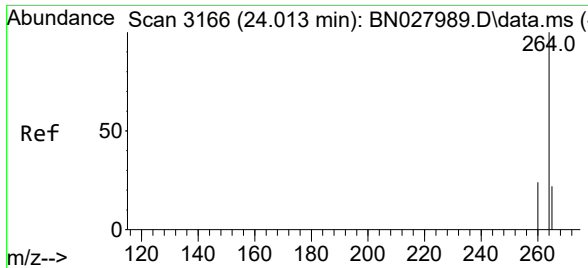
Tgt Ion:244 Resp: 10769  
 Ion Ratio Lower Upper  
 244 100  
 212 8.4 6.6 9.8  
 122 14.4 11.4 17.0



#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.086 ng  
 RT: 21.372 min Scan# 2502  
 Delta R.T. 0.009 min  
 Lab File: BN028169.D  
 Acq: 09 Oct 2023 20:01

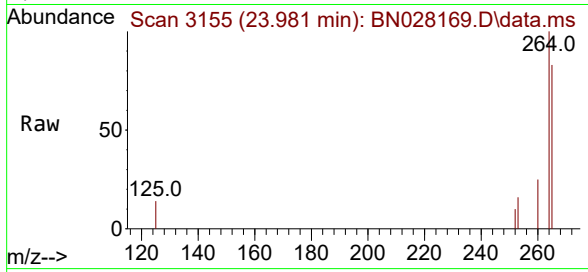
Tgt Ion:149 Resp: 1944  
 Ion Ratio Lower Upper  
 149 100  
 167 25.3 22.1 33.1  
 279 4.0 3.4 5.0





#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.981 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: BN028169.D  
Acq: 09 Oct 2023 20:01

Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-RW10A-GW-440-442



Tgt Ion:264 Resp: 10587  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.3  | 20.2  | 30.4  |
| 265 | 82.8  | 54.8  | 82.2# |

