

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061924\  
 Data File : BN032077.D  
 Acq On : 19 Jun 2024 20:39  
 Operator : MA/JU  
 Sample : P2838-03  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-196-GW-300-302

Quant Time: Jun 19 23:32:29 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN061024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 19 11:30:34 2024  
 Response via : Initial Calibration

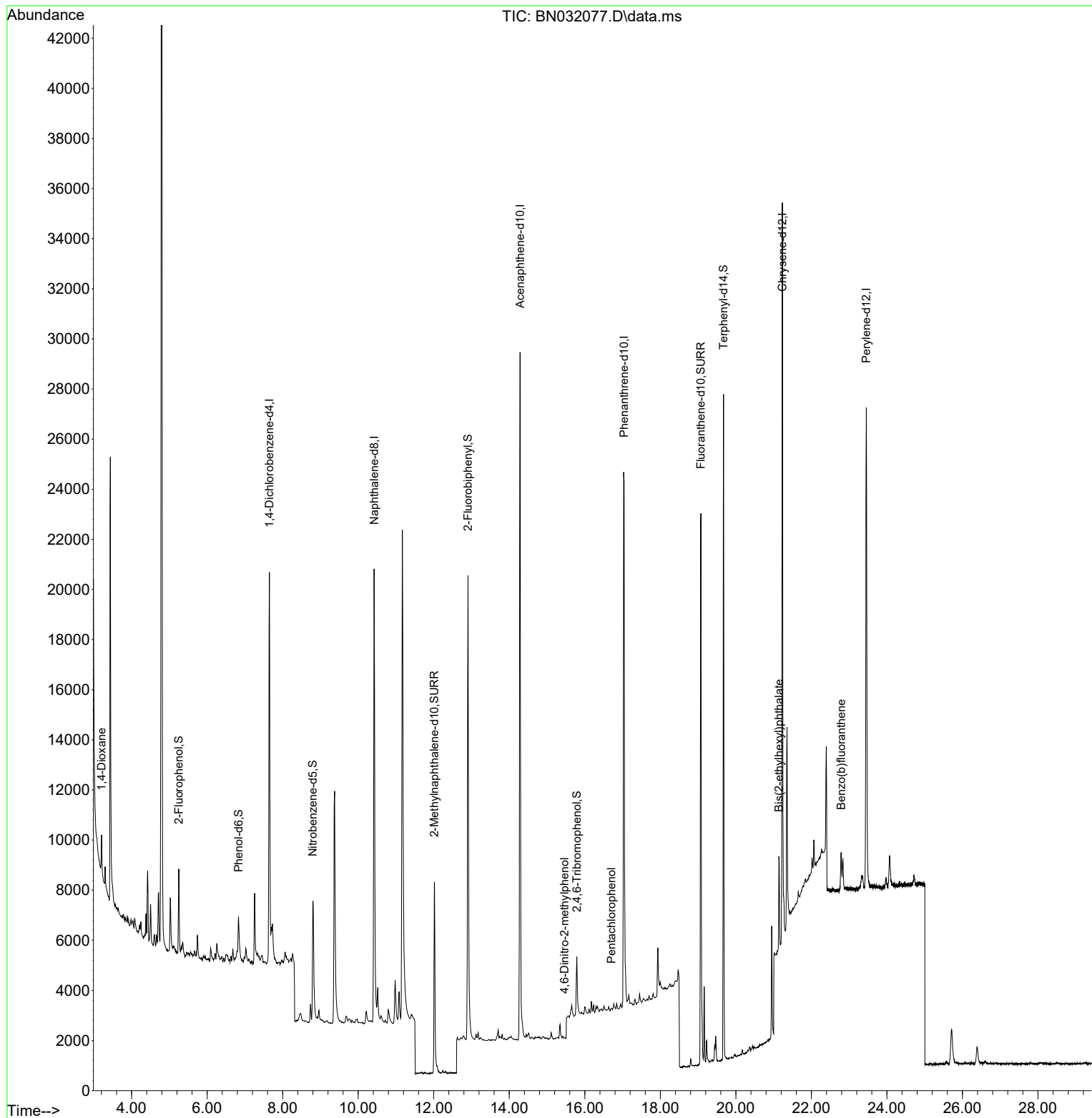
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.646  | 152  | 8359     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.421 | 136  | 28055    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.285 | 164  | 17661    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.041 | 188  | 36724    | 0.400 | ng    | 0.01     |
| 29) Chrysene-d12              | 21.229 | 240  | 26536    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.452 | 264  | 26001    | 0.400 | ng    | # 0.00   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.248  | 112  | 2983     | 0.126 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.830  | 99   | 2424     | 0.078 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.798  | 82   | 5677     | 0.244 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.017 | 152  | 12196    | 0.273 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.787 | 330  | 1721     | 0.203 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.906 | 172  | 20163    | 0.301 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.072 | 212  | 27045    | 0.271 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.672 | 244  | 25514    | 0.393 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.204  | 88   | 1123     | 0.110 | ng    | # 61     |
| 20) 4,6-Dinitro-2-methylph... | 15.461 | 198  | 11       | 0.176 | ng    | # 1      |
| 24) Pentachlorophenol         | 16.706 | 266  | 108      | 0.178 | ng    | # 89     |
| 34) Bis(2-ethylhexyl)phtha... | 21.139 | 149  | 4109     | 0.060 | ng    | # 94     |
| 37) Benzo(b)fluoranthene      | 22.788 | 252  | 2027     | 0.021 | ng    | # 1      |
| -----                         |        |      |          |       |       |          |

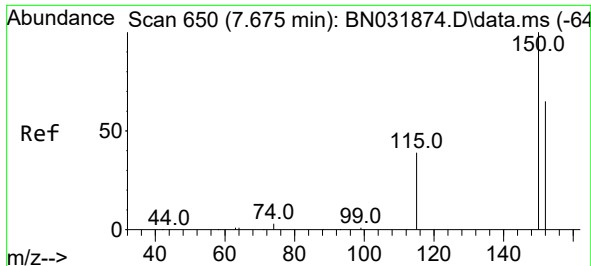
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061924\  
Data File : BN032077.D  
Acq On : 19 Jun 2024 20:39  
Operator : MA/JU  
Sample : P2838-03  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-300-302

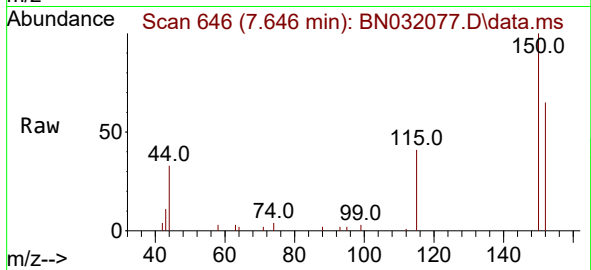
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN061024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 19 11:30:34 2024  
Response via : Initial Calibration



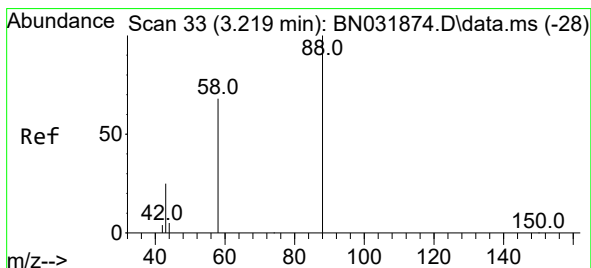
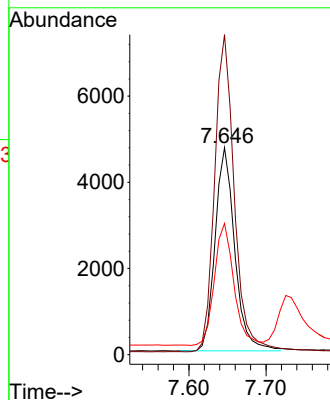
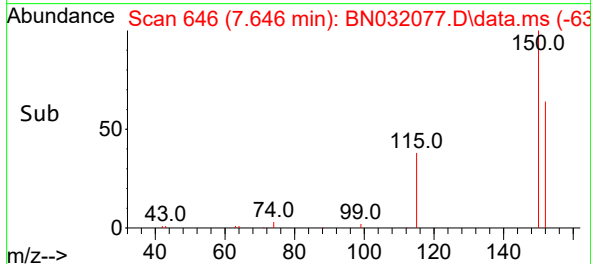


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.646 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: BN032077.D  
Acq: 19 Jun 2024 20:39

Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-300-302

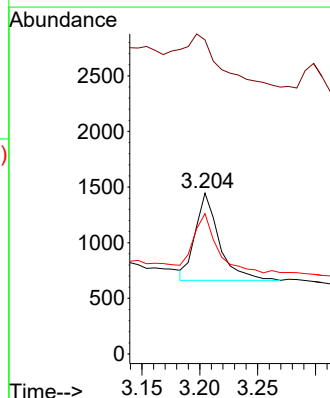
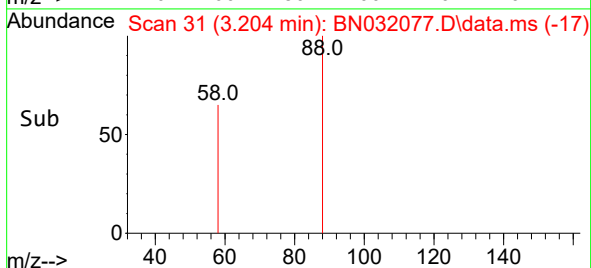
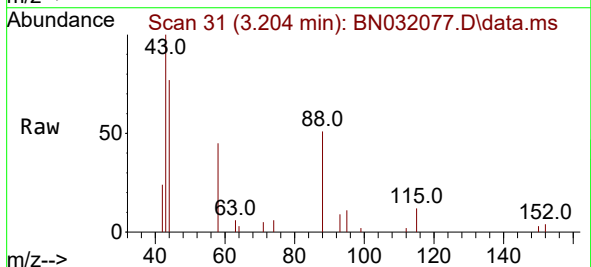


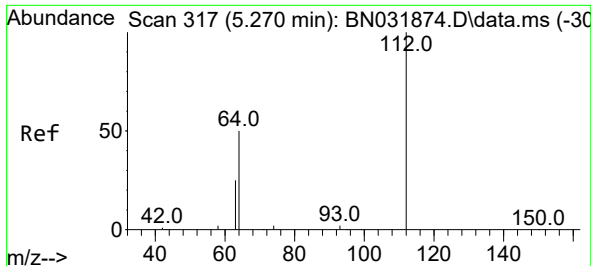
Tgt Ion:152 Resp: 8359  
Ion Ratio Lower Upper  
152 100  
150 154.6 121.0 181.4  
115 63.4 49.4 74.0



#2  
1,4-Dioxane  
Concen: 0.110 ng  
RT: 3.204 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BN032077.D  
Acq: 19 Jun 2024 20:39

Tgt Ion: 88 Resp: 1123  
Ion Ratio Lower Upper  
88 100  
43 92.8 22.7 34.1#  
58 66.4 51.3 76.9

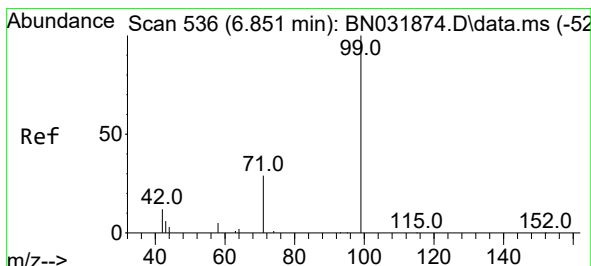
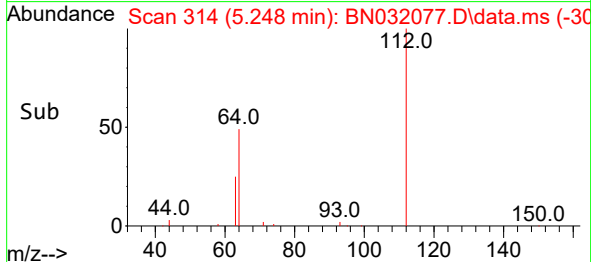
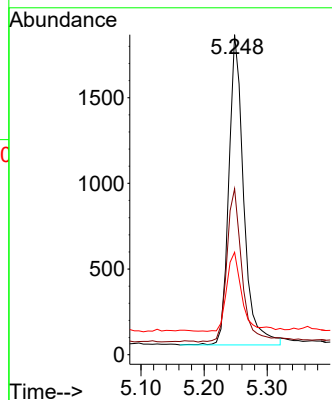
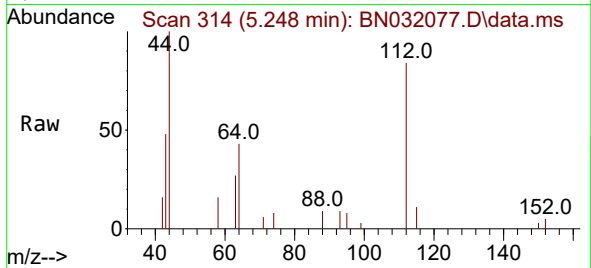




#4  
2-Fluorophenol  
Concen: 0.126 ng  
RT: 5.248 min Scan# 317  
Delta R.T. 0.000 min  
Lab File: BN032077.D  
Acq: 19 Jun 2024 20:39

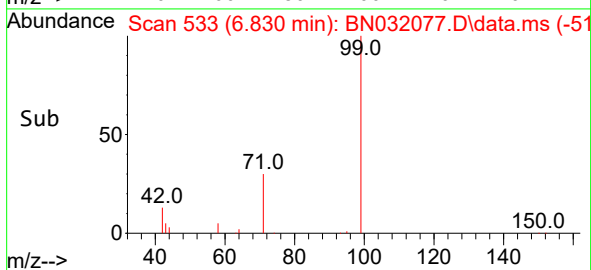
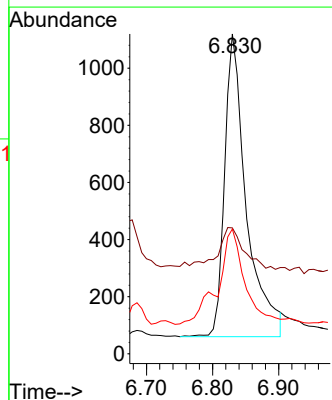
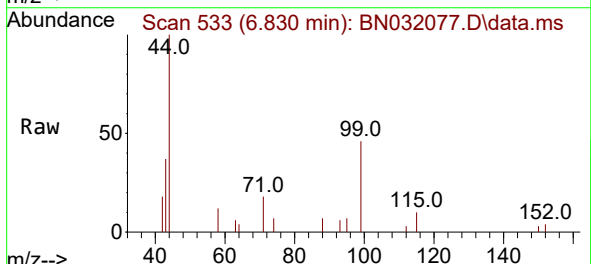
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-300-302

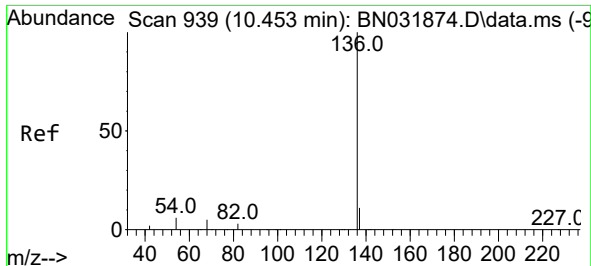
Tgt Ion:112 Resp: 2983  
Ion Ratio Lower Upper  
112 100  
64 50.5 42.4 63.6  
63 26.1 22.1 33.1



#5  
Phenol-d6  
Concen: 0.078 ng  
RT: 6.830 min Scan# 533  
Delta R.T. 0.000 min  
Lab File: BN032077.D  
Acq: 19 Jun 2024 20:39

Tgt Ion: 99 Resp: 2424  
Ion Ratio Lower Upper  
99 100  
42 17.3 12.8 19.2  
71 39.4 25.4 38.2#

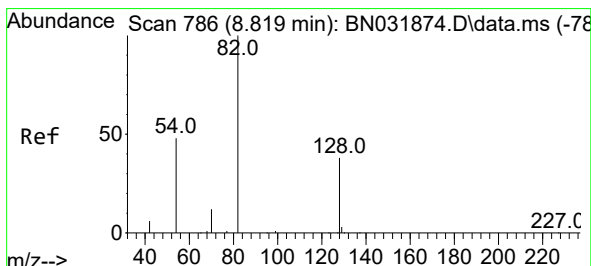
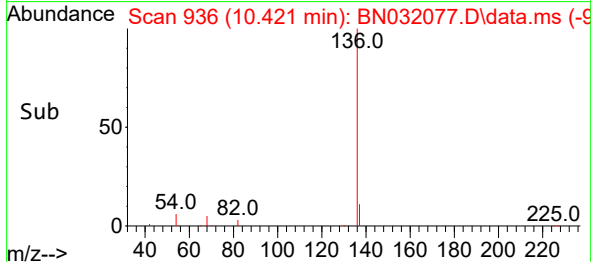
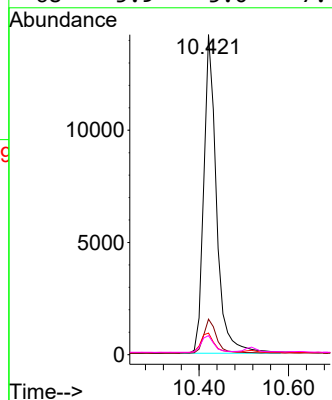
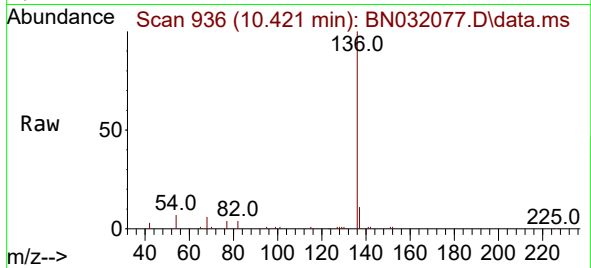




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.421 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BN032077.D  
Acq: 19 Jun 2024 20:39

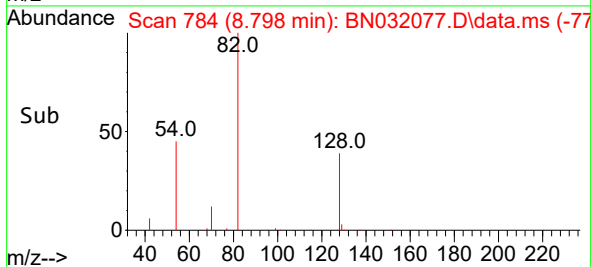
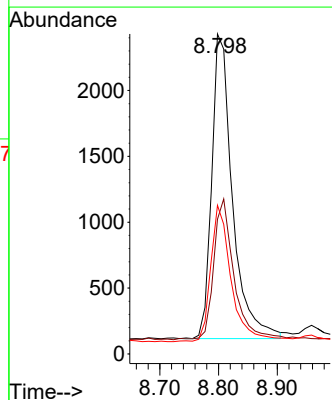
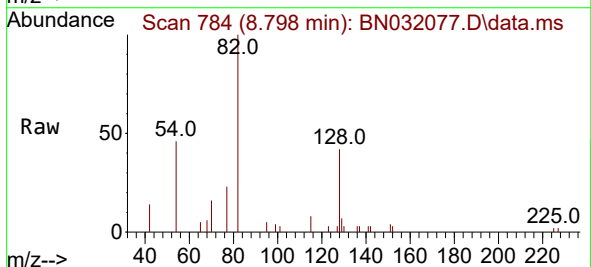
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-300-302

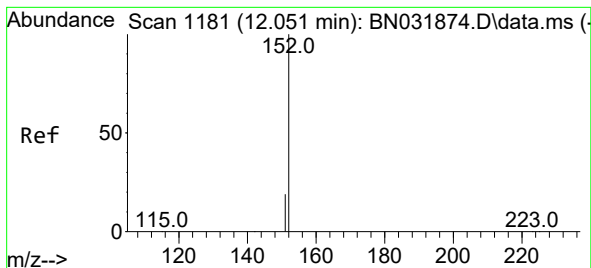
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 28055 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.1  | 8.9   | 13.3  |
| 54        | 6.8   | 5.6   | 8.4   |
| 68        | 5.9   | 5.0   | 7.4   |



#8  
Nitrobenzene-d5  
Concen: 0.244 ng  
RT: 8.798 min Scan# 784  
Delta R.T. 0.000 min  
Lab File: BN032077.D  
Acq: 19 Jun 2024 20:39

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 5677 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 42.1  | 32.1  | 48.1 |
| 54        | 46.4  | 39.7  | 59.5 |

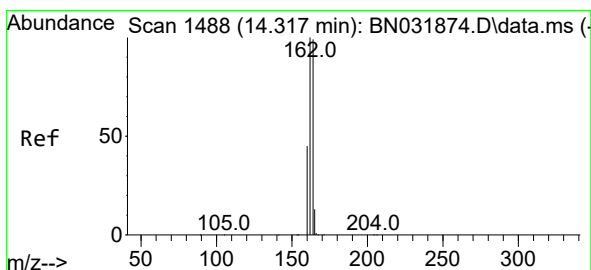
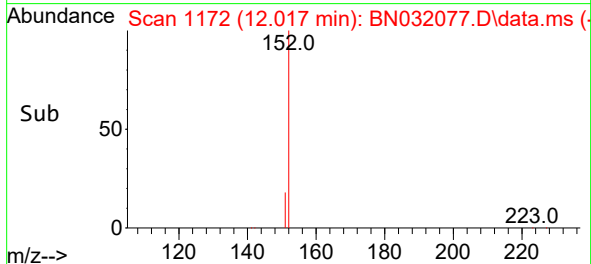
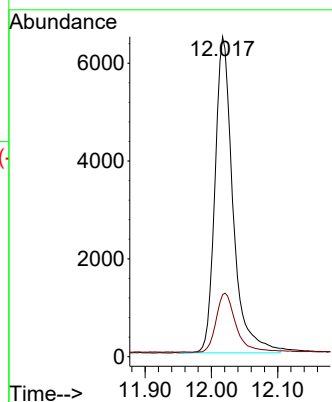
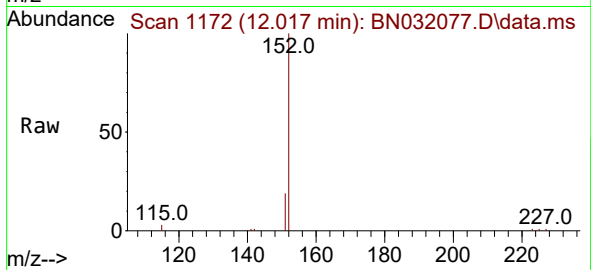




#11  
2-Methylnaphthalene-d10  
Concen: 0.273 ng  
RT: 12.017 min Scan# 1181  
Delta R.T. -0.004 min  
Lab File: BN032077.D  
Acq: 19 Jun 2024 20:39

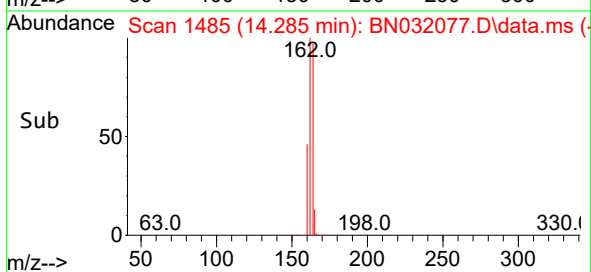
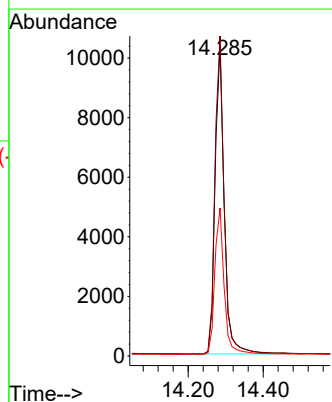
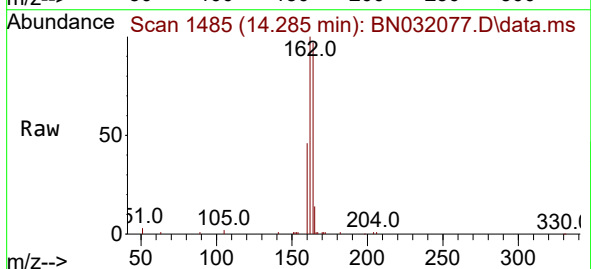
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-300-302

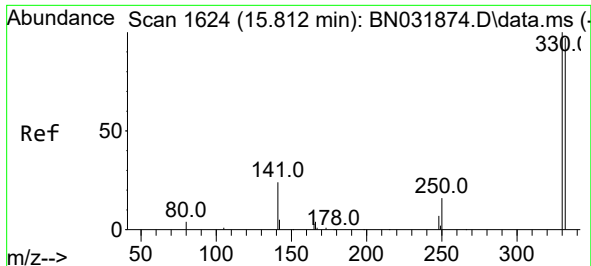
Tgt Ion:152 Resp: 12196  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.3 24.5



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.285 min Scan# 1485  
Delta R.T. 0.000 min  
Lab File: BN032077.D  
Acq: 19 Jun 2024 20:39

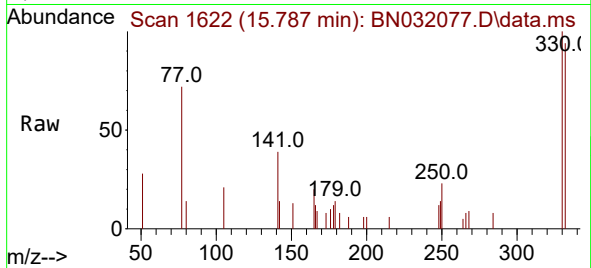
Tgt Ion:164 Resp: 17661  
Ion Ratio Lower Upper  
164 100  
162 103.3 80.7 121.1  
160 47.8 36.2 54.4



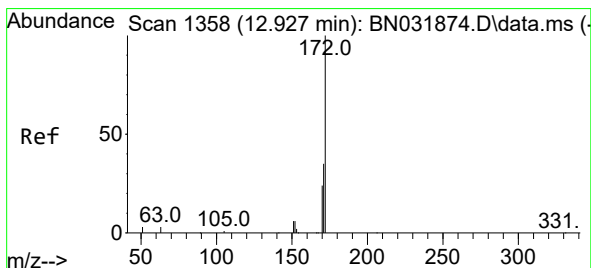
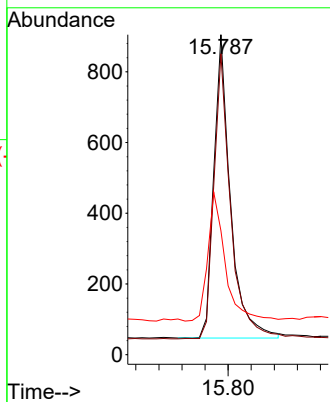
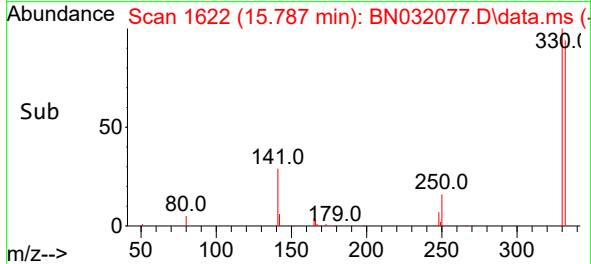


#14  
2,4,6-Tribromophenol  
Concen: 0.203 ng  
RT: 15.787 min Scan# 1622  
Delta R.T. 0.000 min  
Lab File: BN032077.D  
Acq: 19 Jun 2024 20:39

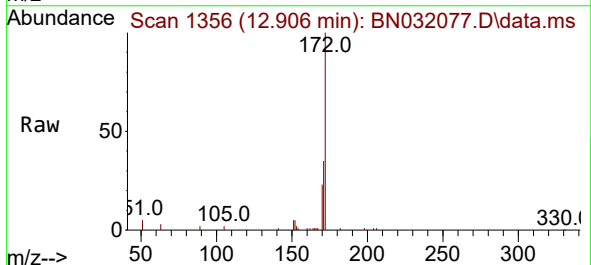
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-300-302



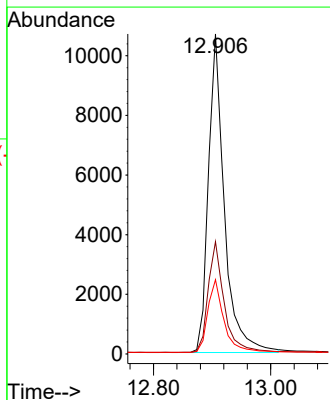
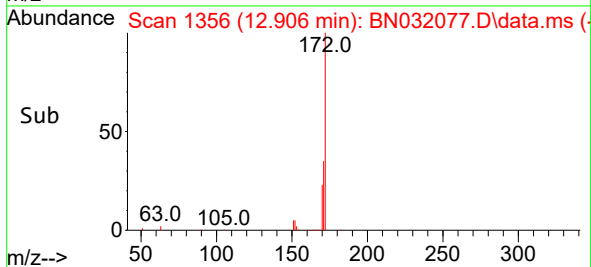
Tgt Ion:330 Resp: 1721  
Ion Ratio Lower Upper  
330 100  
332 94.5 77.5 116.3  
141 44.3 34.7 52.1

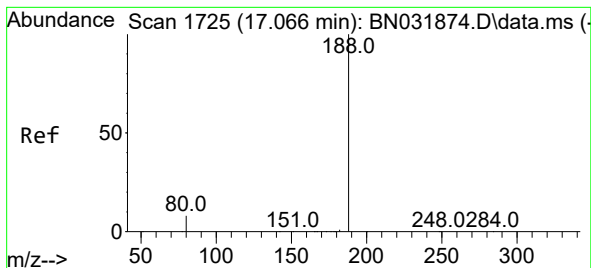


#15  
2-Fluorobiphenyl  
Concen: 0.301 ng  
RT: 12.906 min Scan# 1356  
Delta R.T. 0.000 min  
Lab File: BN032077.D  
Acq: 19 Jun 2024 20:39



Tgt Ion:172 Resp: 20163  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.6 42.8  
170 23.2 19.2 28.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.041 min Scan# 1

Delta R.T. 0.012 min

Lab File: BN032077.D

Acq: 19 Jun 2024 20:39

Instrument :

BNA\_N

ClientSampleId :

BP-VPB-196-GW-300-302

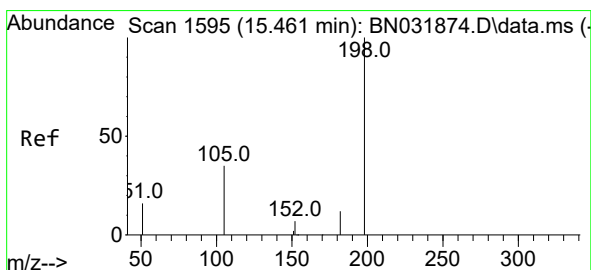
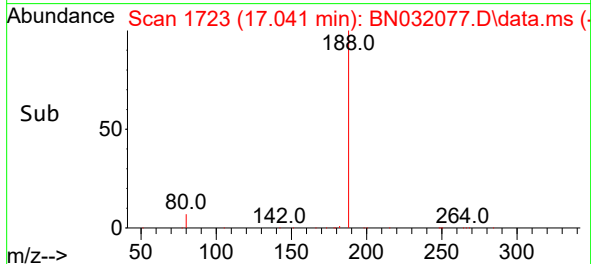
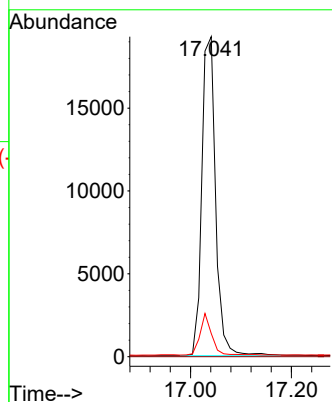
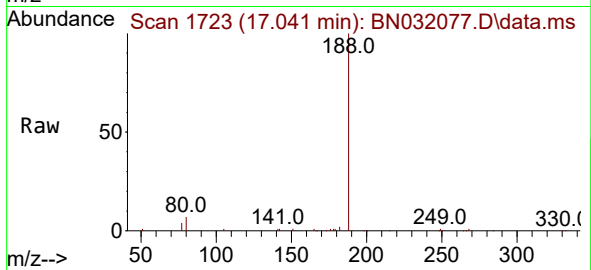
Tgt Ion:188 Resp: 36724

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.3 6.4 9.6



#20

4,6-Dinitro-2-methylphenol

Concen: 0.176 ng

RT: 15.461 min Scan# 1595

Delta R.T. 0.021 min

Lab File: BN032077.D

Acq: 19 Jun 2024 20:39

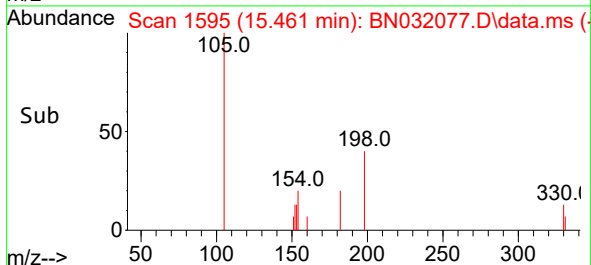
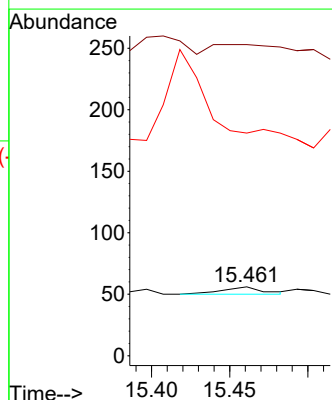
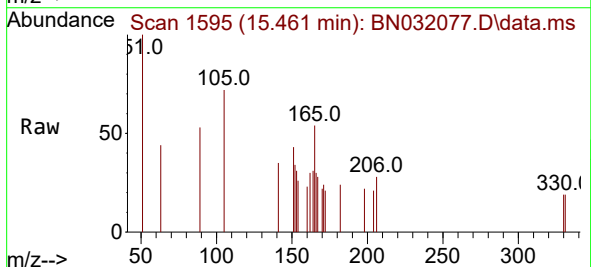
Tgt Ion:198 Resp: 11

Ion Ratio Lower Upper

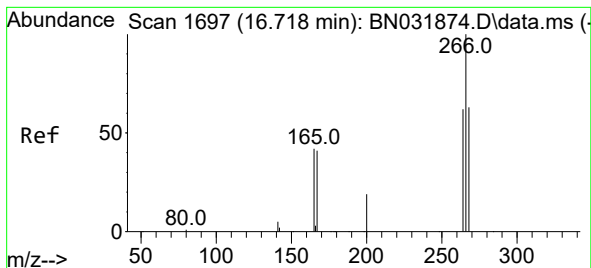
198 100

51 451.8 42.7 64.1#

105 323.2 41.8 62.8#







#24

Pentachlorophenol

Concen: 0.178 ng

RT: 16.706 min Scan# 1696

Delta R.T. 0.012 min

Lab File: BN032077.D

Acq: 19 Jun 2024 20:39

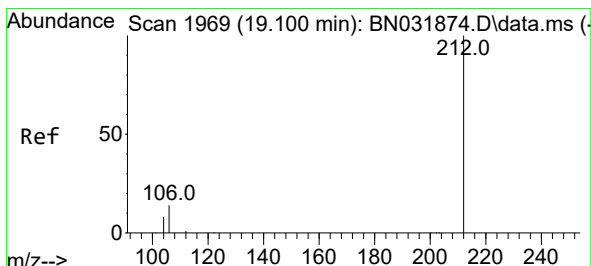
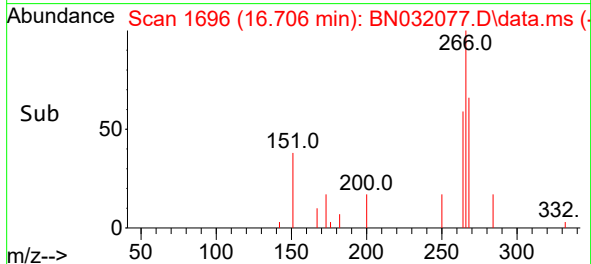
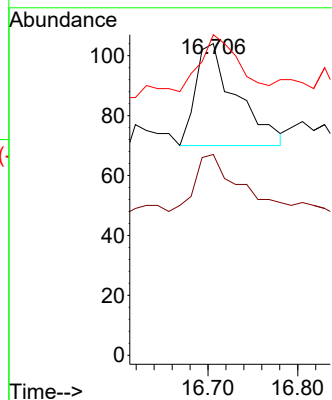
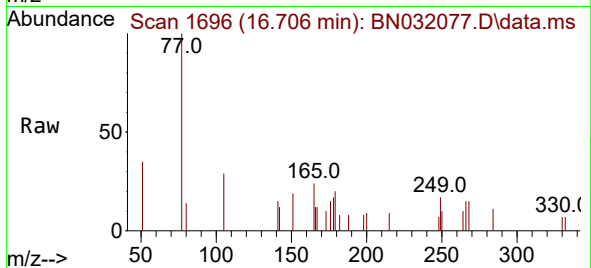
Instrument :

BNA\_N

ClientSampleId :

BP-VPB-196-GW-300-302

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 108  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 59.3  | 50.0  | 75.0 |
| 268       | 50.0  | 51.0  | 76.6 |



#27

Fluoranthene-d10

Concen: 0.271 ng

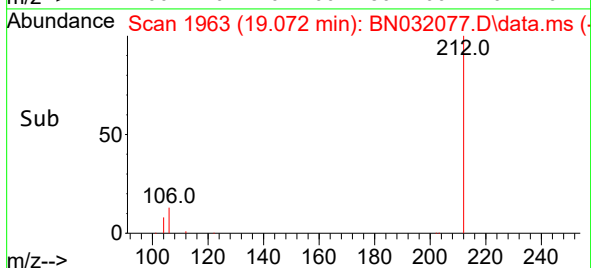
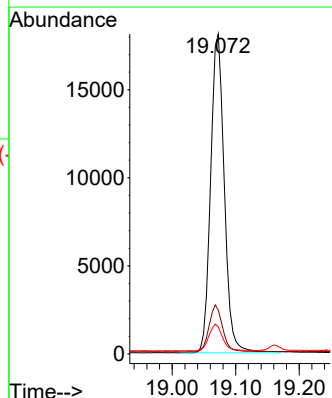
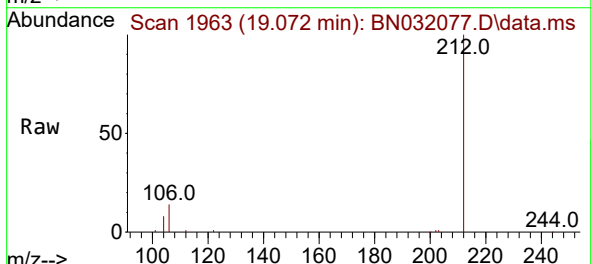
RT: 19.072 min Scan# 1963

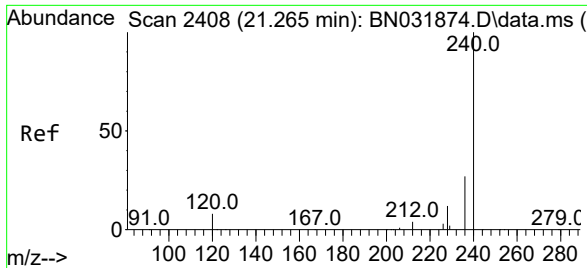
Delta R.T. 0.000 min

Lab File: BN032077.D

Acq: 19 Jun 2024 20:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 212   | Resp: | 27045 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 14.6  | 11.8  | 17.8  |
| 104       | 8.3   | 6.6   | 10.0  |

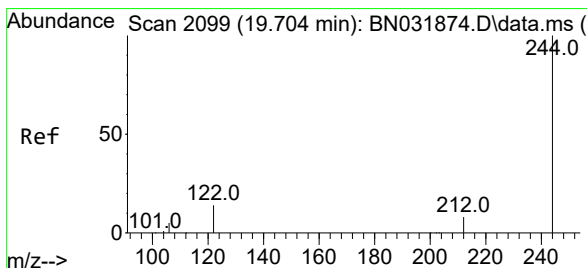
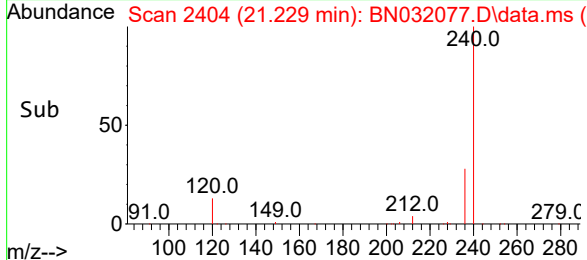
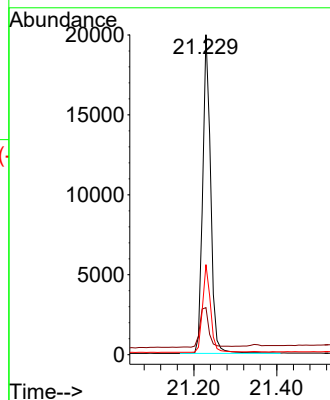
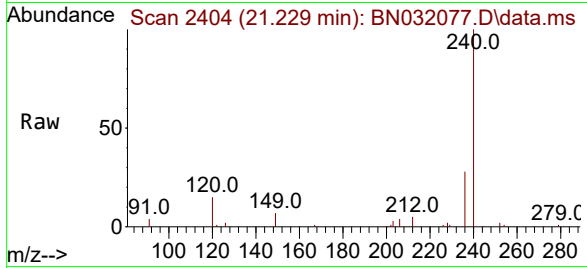




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.229 min Scan# 2404  
Delta R.T. 0.000 min  
Lab File: BN032077.D  
Acq: 19 Jun 2024 20:39

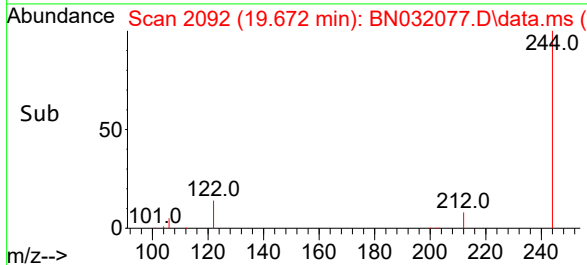
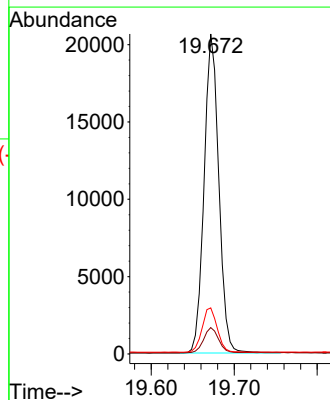
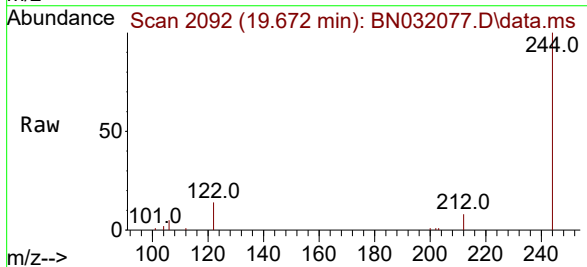
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-300-302

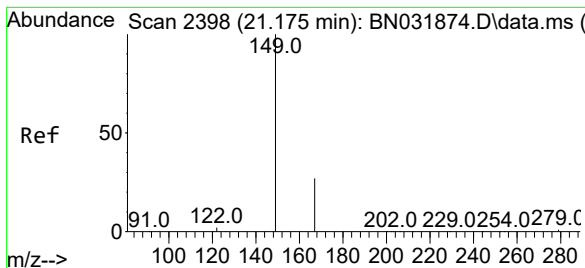
Tgt Ion:240 Resp: 26536  
Ion Ratio Lower Upper  
240 100  
120 14.7 8.2 12.4#  
236 28.2 21.8 32.8



#31  
Terphenyl-d14  
Concen: 0.393 ng  
RT: 19.672 min Scan# 2092  
Delta R.T. 0.000 min  
Lab File: BN032077.D  
Acq: 19 Jun 2024 20:39

Tgt Ion:244 Resp: 25514  
Ion Ratio Lower Upper  
244 100  
212 8.3 6.5 9.7  
122 14.4 11.4 17.0





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.060 ng

RT: 21.139 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN032077.D

Acq: 19 Jun 2024 20:39

Instrument :

BNA\_N

ClientSampleId :

BP-VPB-196-GW-300-302

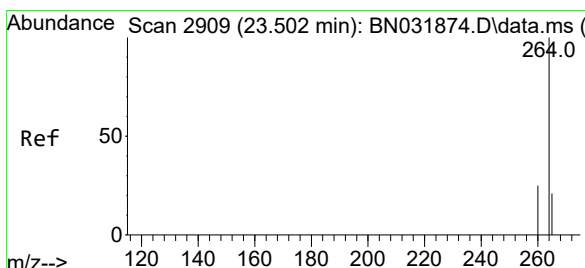
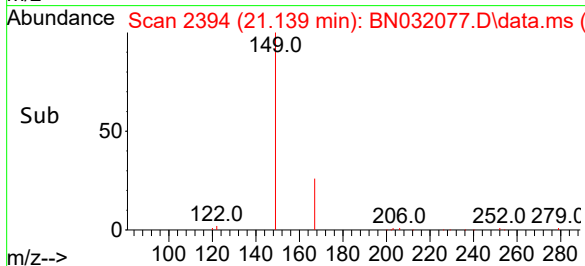
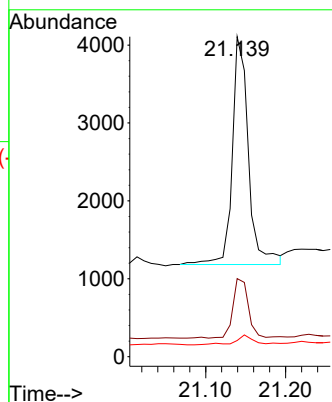
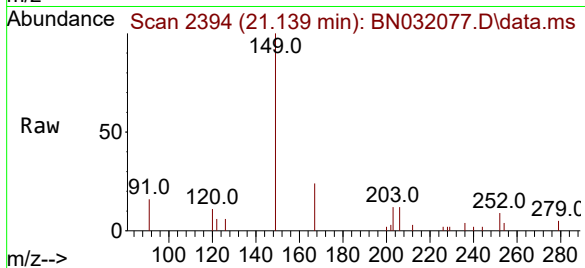
Tgt Ion:149 Resp: 4109

Ion Ratio Lower Upper

149 100

167 25.0 22.5 33.7

279 4.5 2.9 4.3#



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.452 min Scan# 2892

Delta R.T. 0.000 min

Lab File: BN032077.D

Acq: 19 Jun 2024 20:39

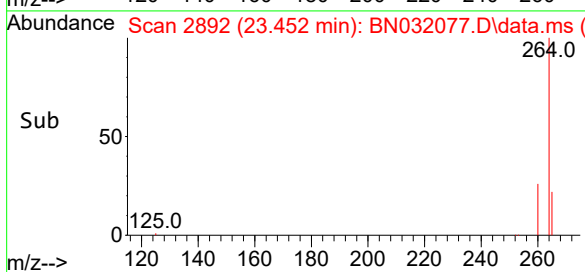
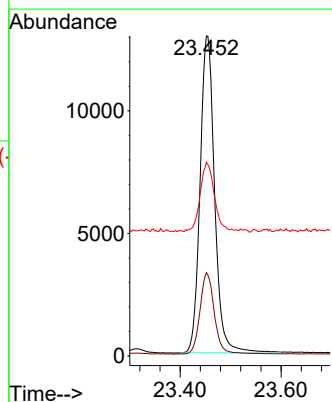
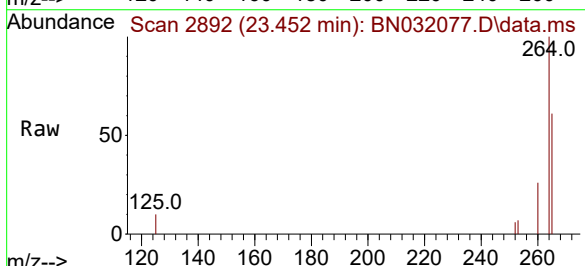
Tgt Ion:264 Resp: 26001

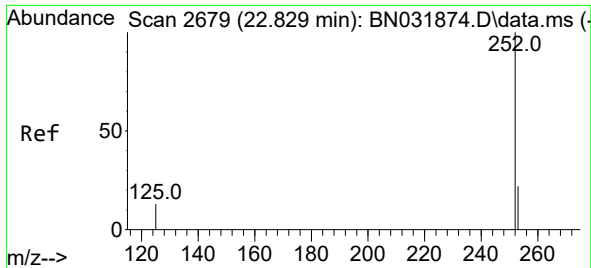
Ion Ratio Lower Upper

264 100

260 26.1 20.5 30.7

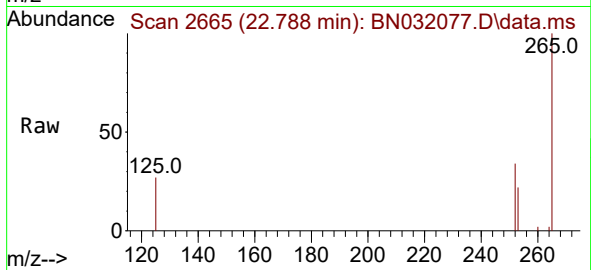
265 60.5 39.6 59.4#





#37  
Benzo(b)fluoranthene  
Concen: 0.021 ng  
RT: 22.788 min Scan# 20  
Delta R.T. 0.003 min  
Lab File: BN032077.D  
Acq: 19 Jun 2024 20:39

Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-300-302



Tgt Ion:252 Resp: 2027  
Ion Ratio Lower Upper  
252 100  
253 63.0 20.2 30.2#  
125 79.6 14.2 21.4#

