

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061024\  
 Data File : BN031893.D  
 Acq On : 11 Jun 2024 01:10  
 Operator : MA/JU  
 Sample : P2772-02  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-189-GW-58-60

Quant Time: Jun 11 01:36:30 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN061024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 10 15:47:32 2024  
 Response via : Initial Calibration

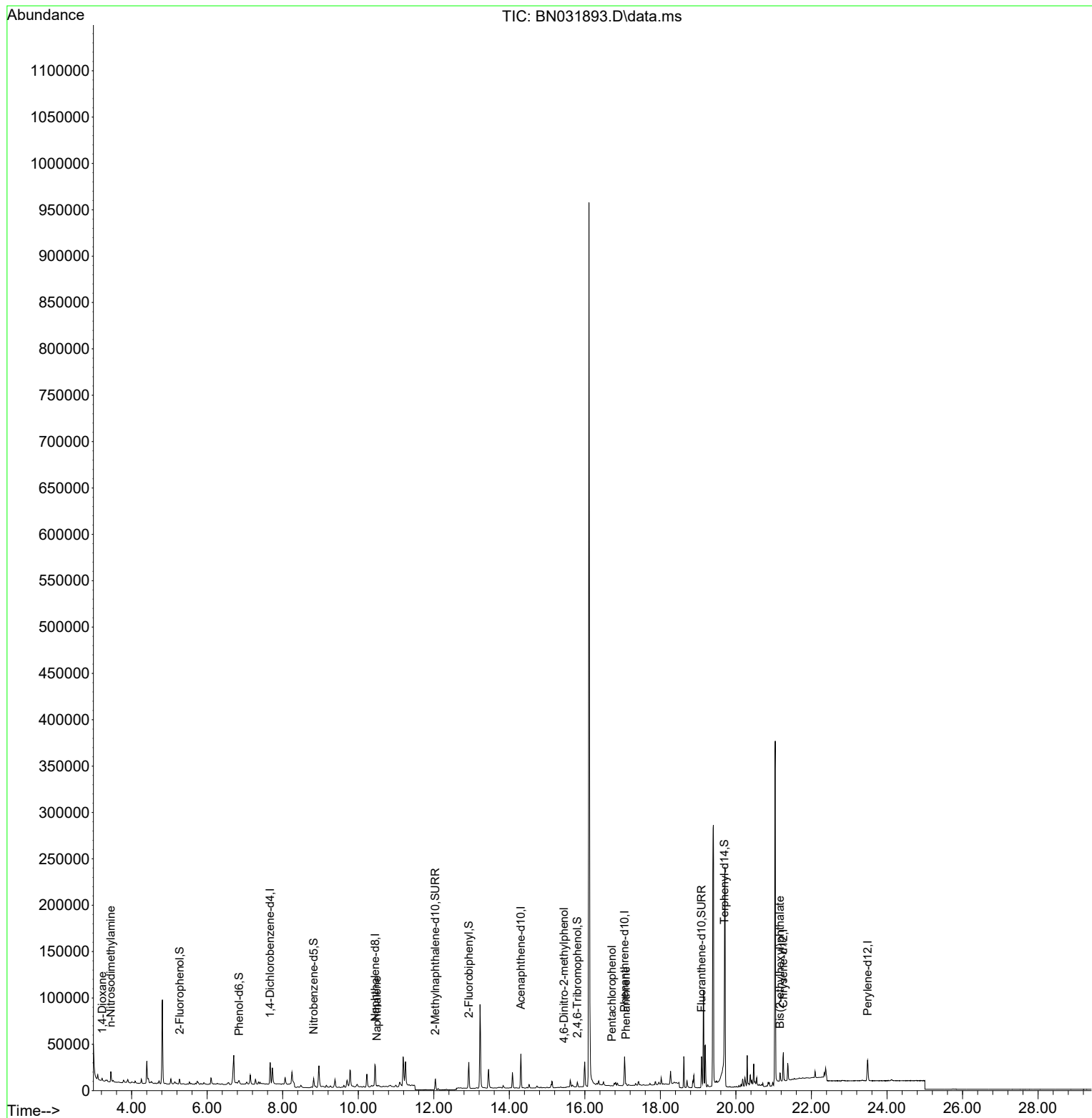
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.668  | 152  | 10305    | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.453 | 136  | 33633    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.306 | 164  | 20514    | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.053 | 188  | 40142    | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.256 | 240  | 28514    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.487 | 264  | 29206    | 0.400 | ng    | #-0.01   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.270  | 112  | 3901     | 0.133 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.844  | 99   | 3302     | 0.086 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.819  | 82   | 8107     | 0.290 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.043 | 152  | 15678    | 0.293 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.800 | 330  | 2906     | 0.296 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 12.927 | 172  | 24221    | 0.311 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.091 | 212  | 36740    | 0.336 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.695 | 244  | 32906    | 0.472 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.219  | 88   | 1580     | 0.125 | ng    | # 44     |
| 3) n-Nitrosodimethylamine     | 3.450  | 42   | 1168     | 0.097 | ng    | # 1      |
| 9) Naphthalene                | 10.496 | 128  | 2072     | 0.023 | ng    | # 82     |
| 20) 4,6-Dinitro-2-methylph... | 15.450 | 198  | 70       | 0.183 | ng    | # 1      |
| 24) Pentachlorophenol         | 16.718 | 266  | 147      | 0.180 | ng    | 99       |
| 25) Phenanthrene              | 17.091 | 178  | 2299     | 0.021 | ng    | # 94     |
| 34) Bis(2-ethylhexyl)phtha... | 21.166 | 149  | 9367     | 0.128 | ng    | 98       |
| -----                         |        |      |          |       |       |          |

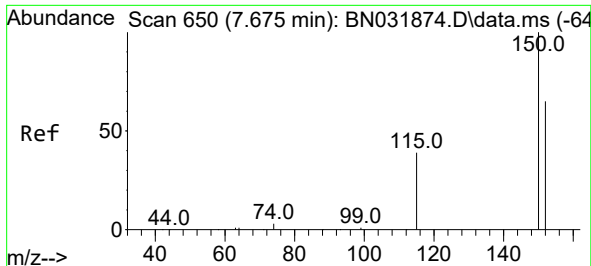
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061024\  
Data File : BN031893.D  
Acq On : 11 Jun 2024 01:10  
Operator : MA/JU  
Sample : P2772-02  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-189-GW-58-60

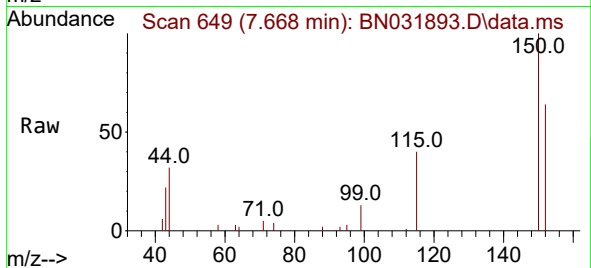
Quant Time: Jun 11 01:36:30 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN061024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 10 15:47:32 2024  
Response via : Initial Calibration



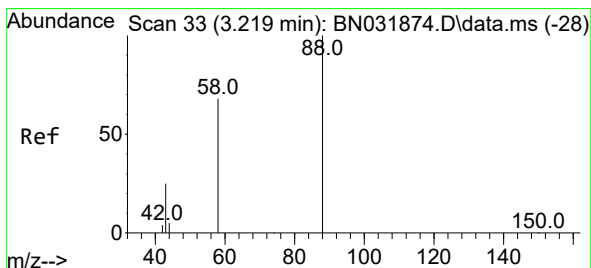
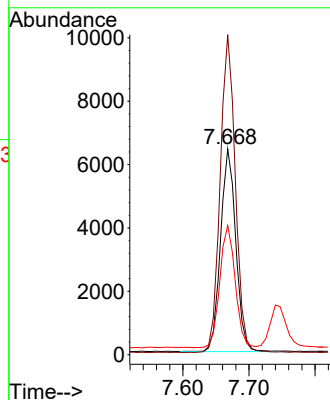
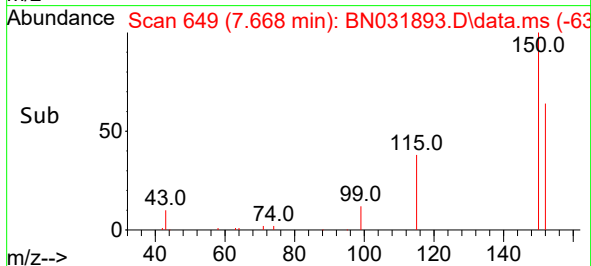


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.668 min Scan# 649  
 Delta R.T. -0.007 min  
 Lab File: BN031893.D  
 Acq: 11 Jun 2024 01:10

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-189-GW-58-60

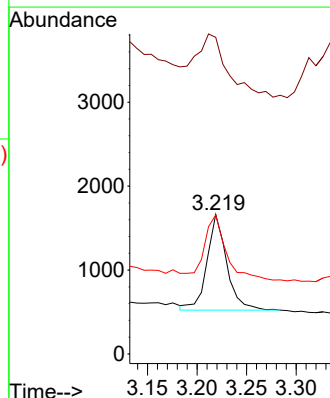
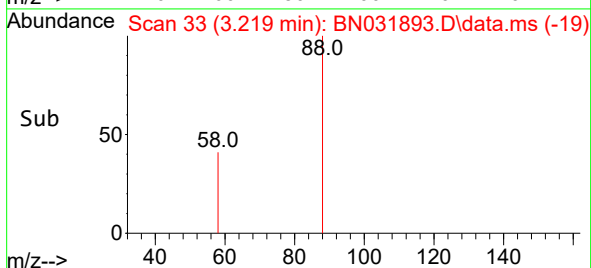
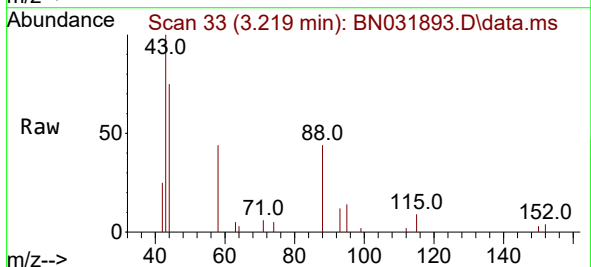


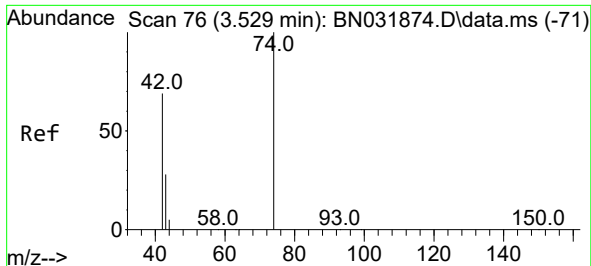
Tgt Ion:152 Resp: 10305  
 Ion Ratio Lower Upper  
 152 100  
 150 155.6 121.0 181.4  
 115 62.8 49.4 74.0



#2  
 1,4-Dioxane  
 Concen: 0.125 ng  
 RT: 3.219 min Scan# 33  
 Delta R.T. 0.000 min  
 Lab File: BN031893.D  
 Acq: 11 Jun 2024 01:10

Tgt Ion: 88 Resp: 1580  
 Ion Ratio Lower Upper  
 88 100  
 43 110.9 22.7 34.1#  
 58 73.8 51.3 76.9

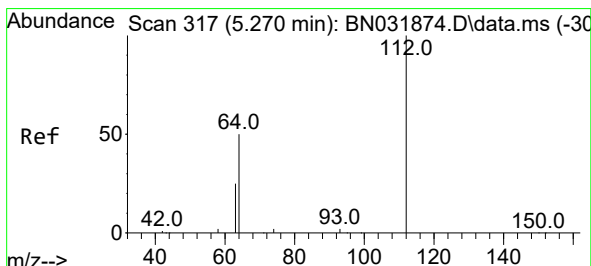
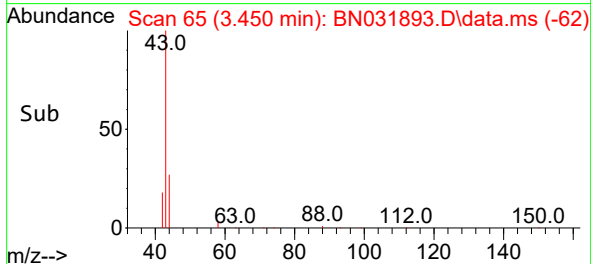
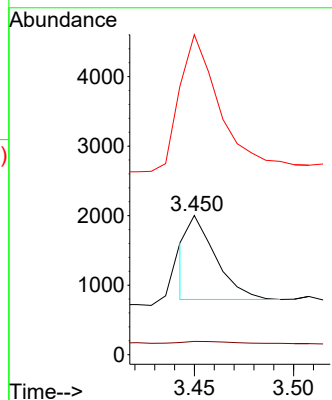
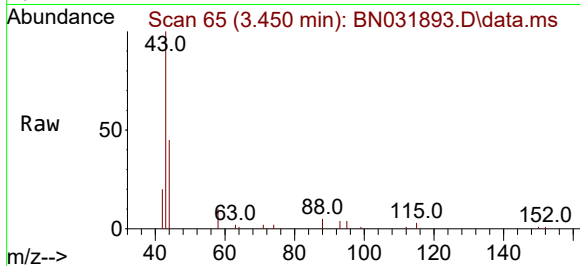




#3  
n-Nitrosodimethylamine  
Concen: 0.097 ng  
RT: 3.450 min Scan# 61  
Delta R.T. -0.079 min  
Lab File: BN031893.D  
Acq: 11 Jun 2024 01:10

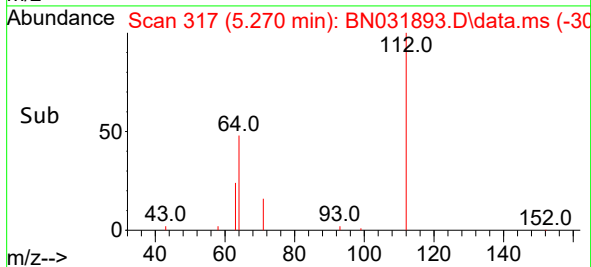
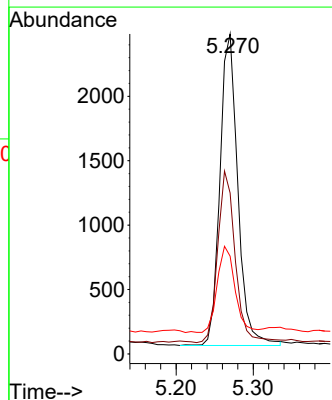
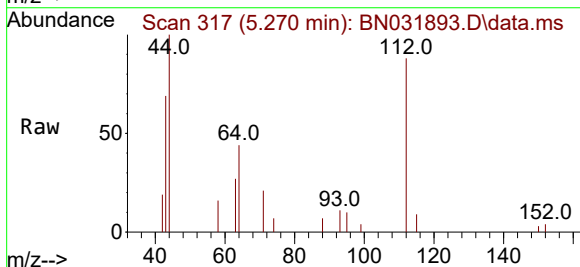
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-189-GW-58-60

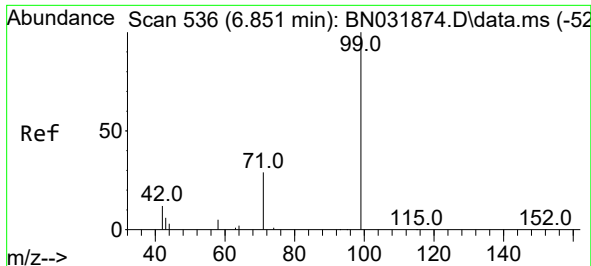
Tgt Ion: 42 Resp: 1168  
Ion Ratio Lower Upper  
42 100  
74 4.6 125.2 187.8#  
44 220.1 6.9 10.3#



#4  
2-Fluorophenol  
Concen: 0.133 ng  
RT: 5.270 min Scan# 317  
Delta R.T. 0.000 min  
Lab File: BN031893.D  
Acq: 11 Jun 2024 01:10

Tgt Ion: 112 Resp: 3901  
Ion Ratio Lower Upper  
112 100  
64 54.0 42.4 63.6  
63 27.3 22.1 33.1

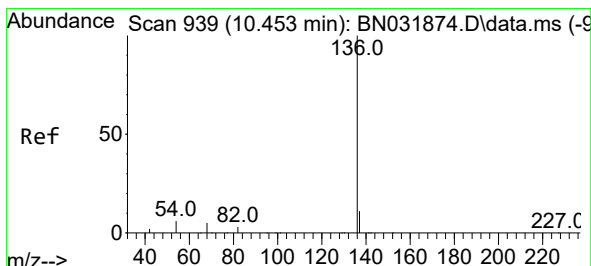
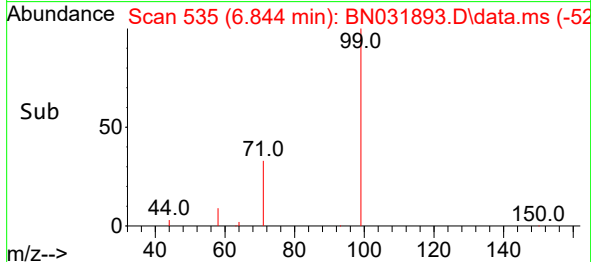
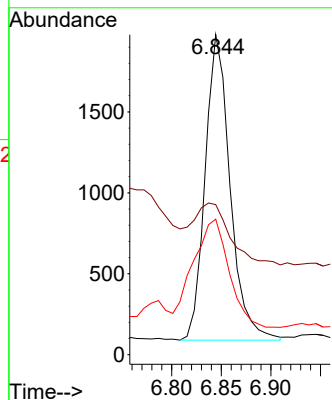
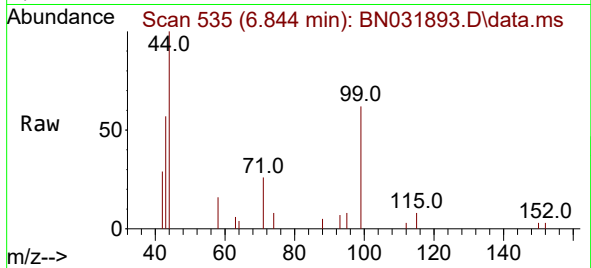




#5  
Phenol-d6  
Concen: 0.086 ng  
RT: 6.844 min Scan# 511  
Delta R.T. -0.007 min  
Lab File: BN031893.D  
Acq: 11 Jun 2024 01:10

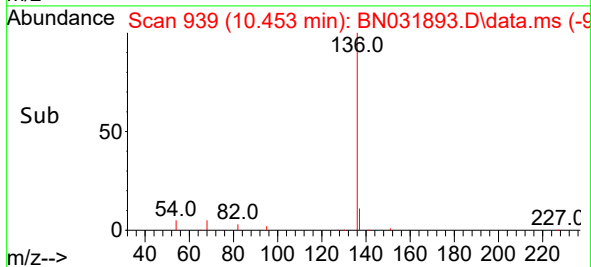
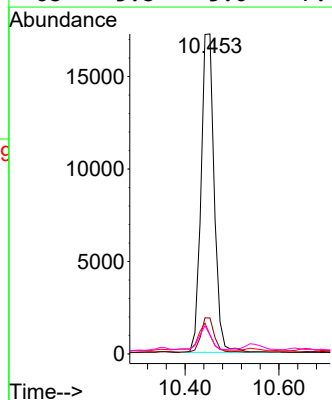
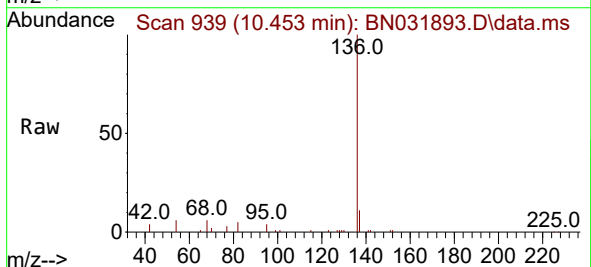
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-189-GW-58-60

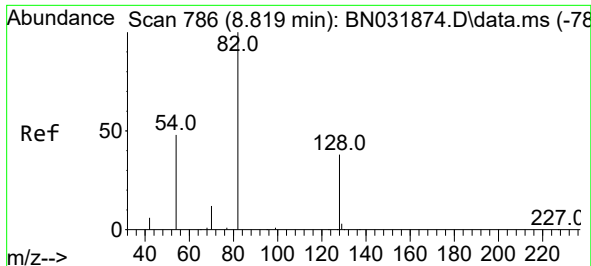
Tgt Ion: 99 Resp: 3302  
Ion Ratio Lower Upper  
99 100  
42 31.0 12.8 19.2#  
71 50.8 25.4 38.2#



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.453 min Scan# 939  
Delta R.T. 0.000 min  
Lab File: BN031893.D  
Acq: 11 Jun 2024 01:10

Tgt Ion: 136 Resp: 33633  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.9 13.3  
54 6.0 5.6 8.4  
68 5.8 5.0 7.4

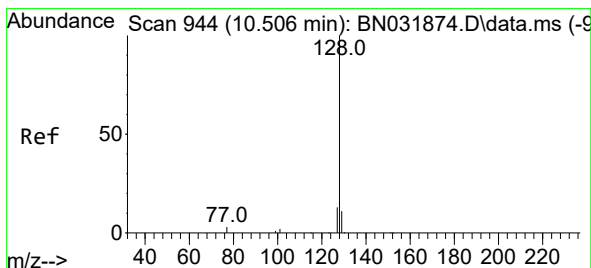
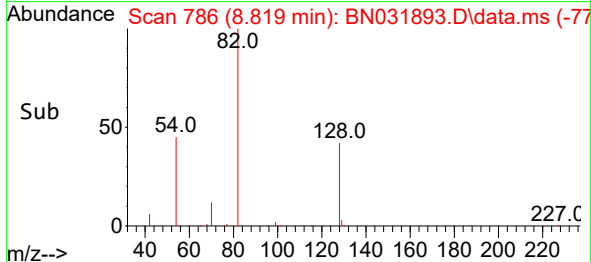
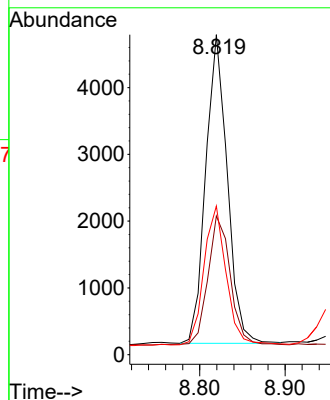
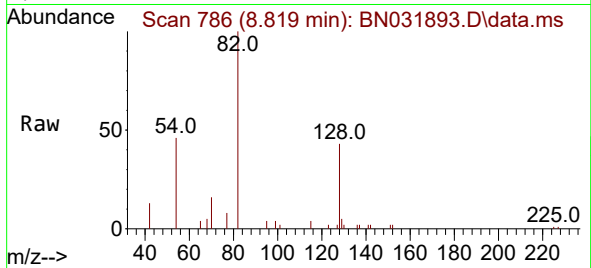




#8  
Nitrobenzene-d5  
Concen: 0.290 ng  
RT: 8.819 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BN031893.D  
Acq: 11 Jun 2024 01:10

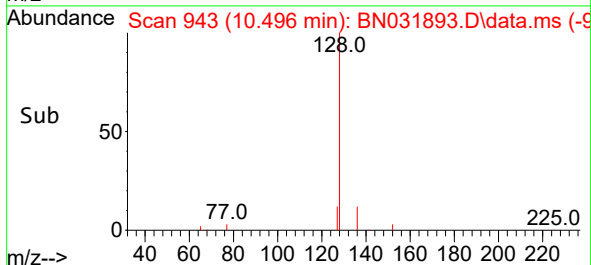
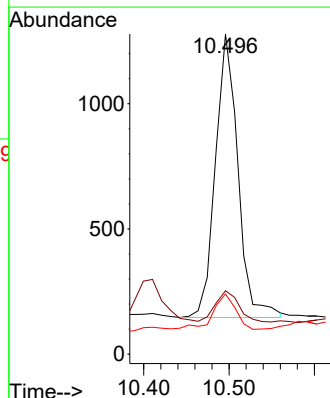
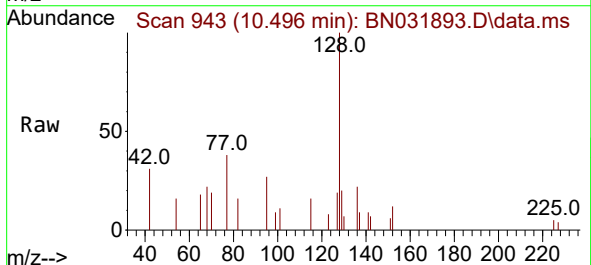
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-189-GW-58-60

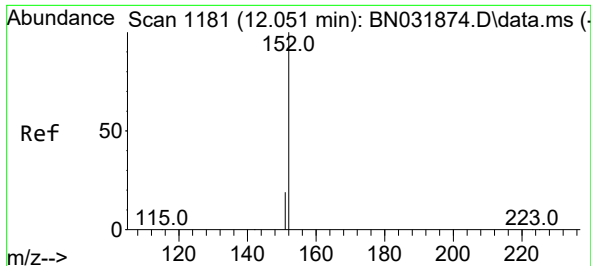
Tgt Ion: 82 Resp: 8107  
Ion Ratio Lower Upper  
82 100  
128 43.3 32.1 48.1  
54 46.5 39.7 59.5



#9  
Naphthalene  
Concen: 0.023 ng  
RT: 10.496 min Scan# 943  
Delta R.T. -0.011 min  
Lab File: BN031893.D  
Acq: 11 Jun 2024 01:10

Tgt Ion: 128 Resp: 2072  
Ion Ratio Lower Upper  
128 100  
129 19.8 9.2 13.8#  
127 18.8 10.5 15.7#





#11

2-Methylnaphthalene-d10

Concen: 0.293 ng

RT: 12.043 min Scan# 1181

Delta R.T. -0.008 min

Lab File: BN031893.D

Acq: 11 Jun 2024 01:10

Instrument :

BNA\_N

ClientSampleId :

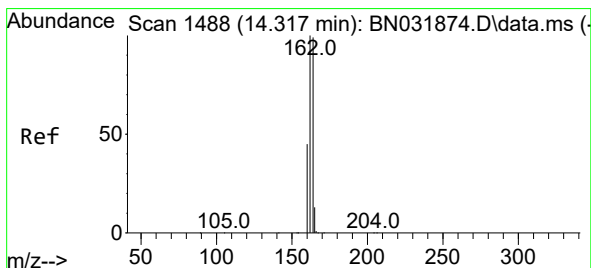
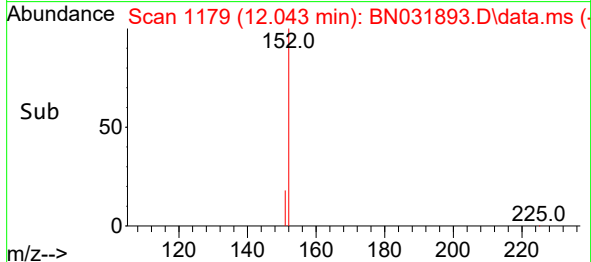
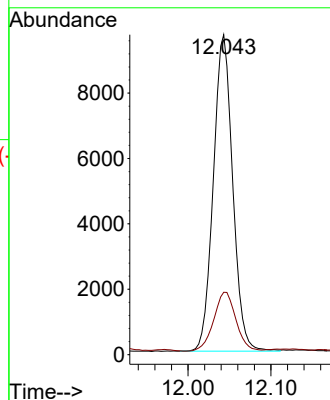
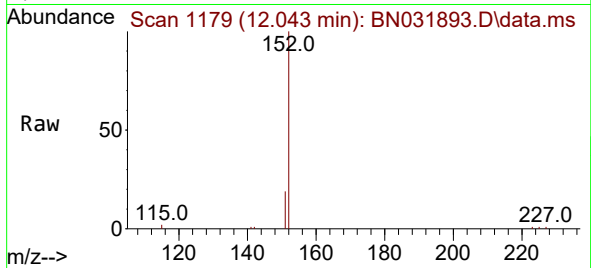
BP-VPB-189-GW-58-60

Tgt Ion:152 Resp: 15678

Ion Ratio Lower Upper

152 100

151 21.5 16.3 24.5



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.306 min Scan# 1487

Delta R.T. -0.011 min

Lab File: BN031893.D

Acq: 11 Jun 2024 01:10

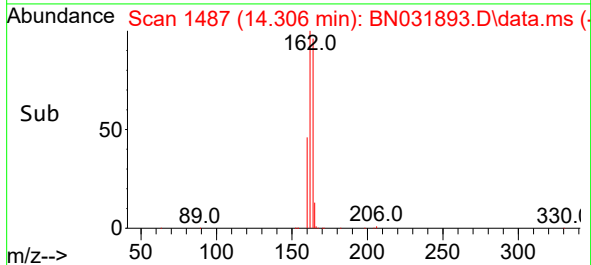
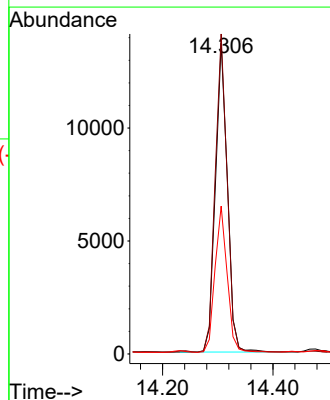
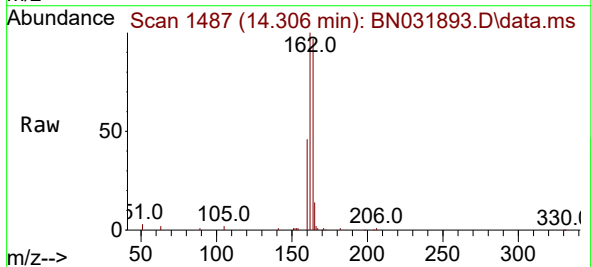
Tgt Ion:164 Resp: 20514

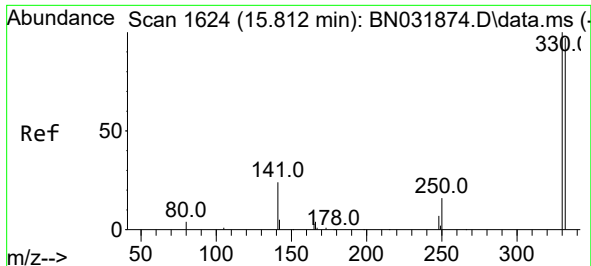
Ion Ratio Lower Upper

164 100

162 102.8 80.7 121.1

160 47.5 36.2 54.4

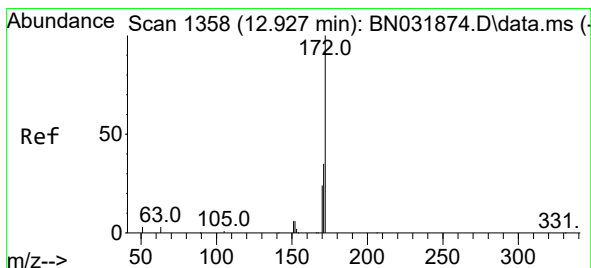
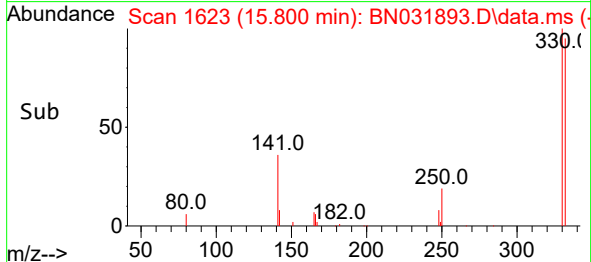
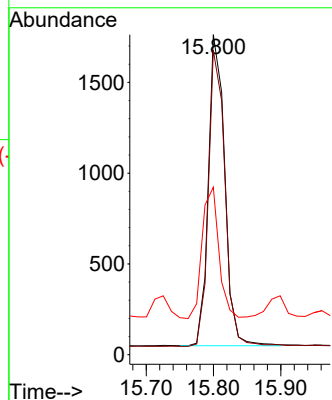
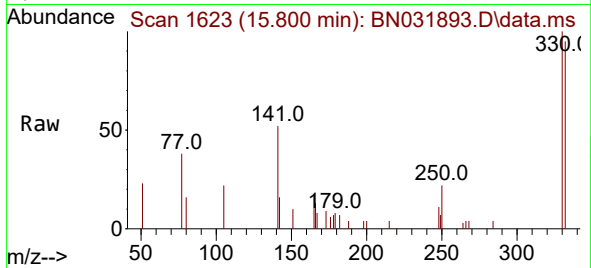




#14  
2,4,6-Tribromophenol  
Concen: 0.296 ng  
RT: 15.800 min Scan# 1  
Delta R.T. -0.012 min  
Lab File: BN031893.D  
Acq: 11 Jun 2024 01:10

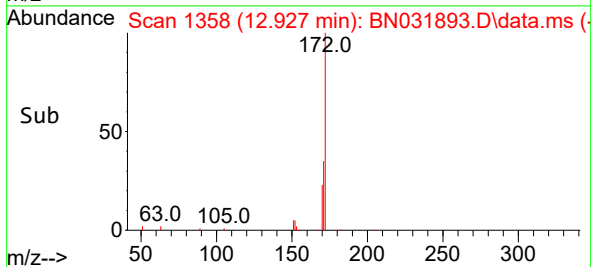
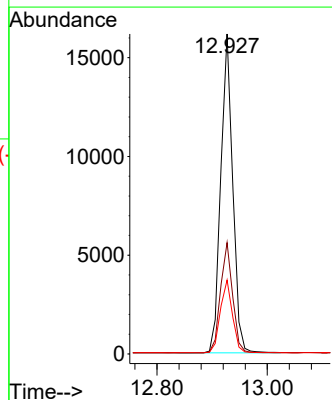
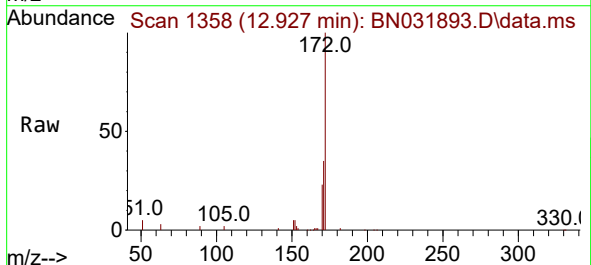
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-189-GW-58-60

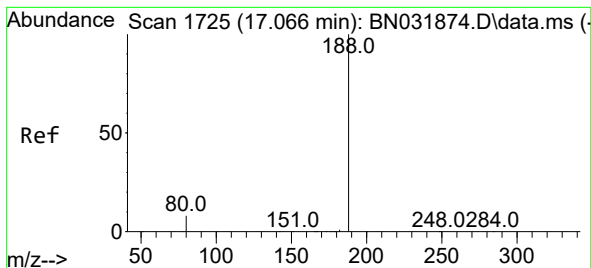
Tgt Ion:330 Resp: 2906  
Ion Ratio Lower Upper  
330 100  
332 95.9 77.5 116.3  
141 43.5 34.7 52.1



#15  
2-Fluorobiphenyl  
Concen: 0.311 ng  
RT: 12.927 min Scan# 1358  
Delta R.T. 0.000 min  
Lab File: BN031893.D  
Acq: 11 Jun 2024 01:10

Tgt Ion:172 Resp: 24221  
Ion Ratio Lower Upper  
172 100  
171 34.8 28.6 42.8  
170 23.1 19.2 28.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.053 min Scan# 11

Delta R.T. -0.012 min

Lab File: BN031893.D

Acq: 11 Jun 2024 01:10

Instrument :

BNA\_N

ClientSampleId :

BP-VPB-189-GW-58-60

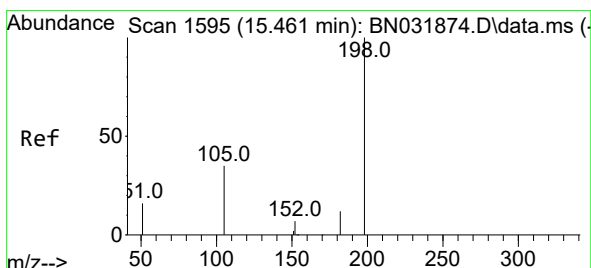
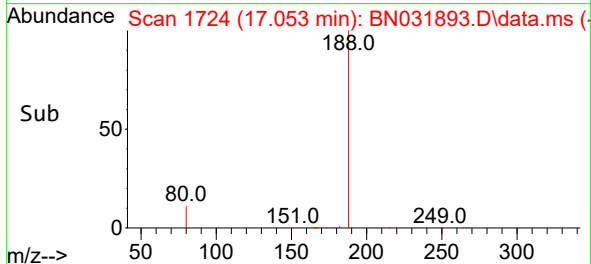
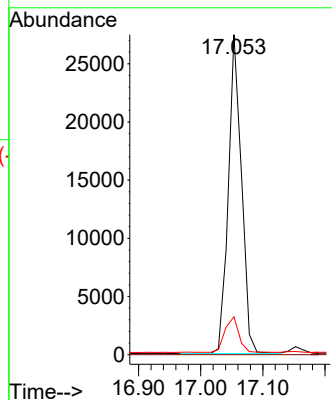
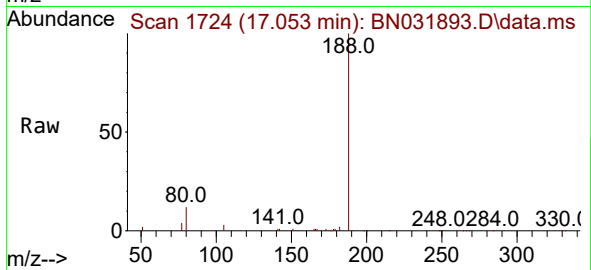
Tgt Ion:188 Resp: 40142

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.9 6.4 9.6#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.183 ng

RT: 15.450 min Scan# 1594

Delta R.T. -0.011 min

Lab File: BN031893.D

Acq: 11 Jun 2024 01:10

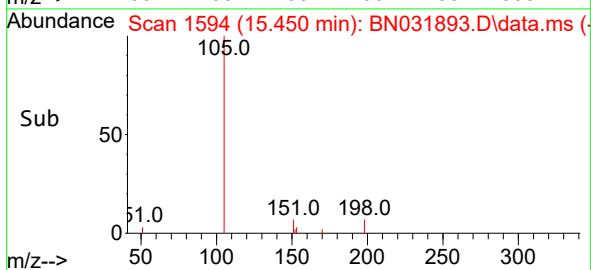
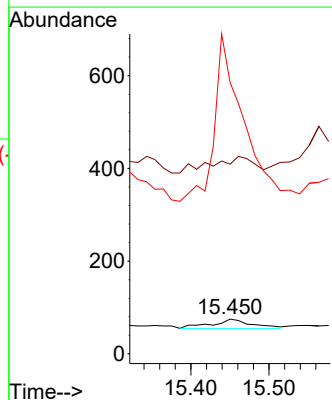
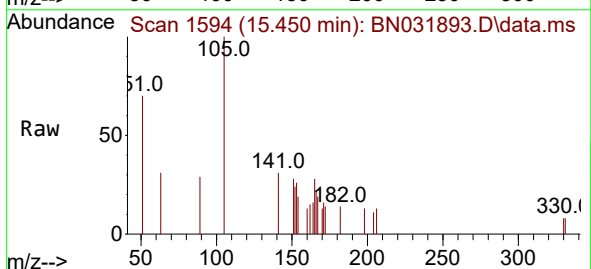
Tgt Ion:198 Resp: 70

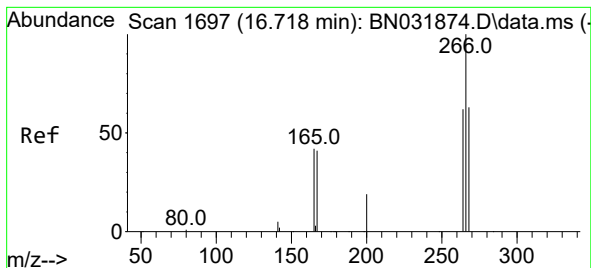
Ion Ratio Lower Upper

198 100

51 545.3 42.7 64.1#

105 780.0 41.8 62.8#





#24

Pentachlorophenol

Concen: 0.180 ng

RT: 16.718 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN031893.D

Acq: 11 Jun 2024 01:10

Instrument :

BNA\_N

ClientSampleId :

BP-VPB-189-GW-58-60

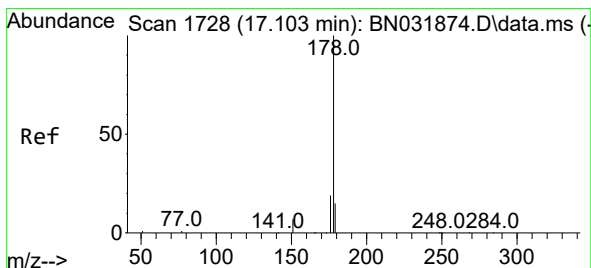
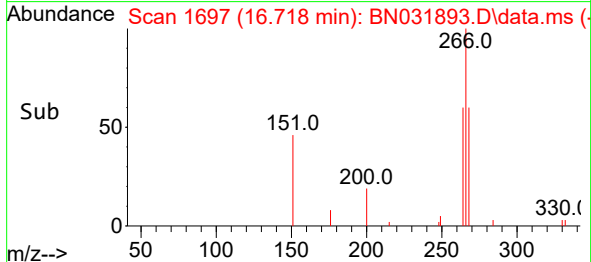
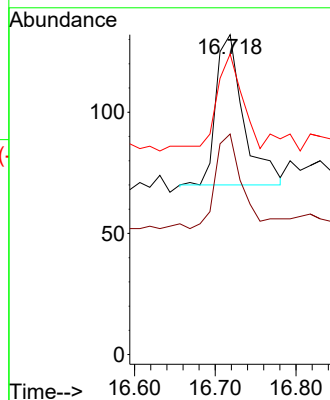
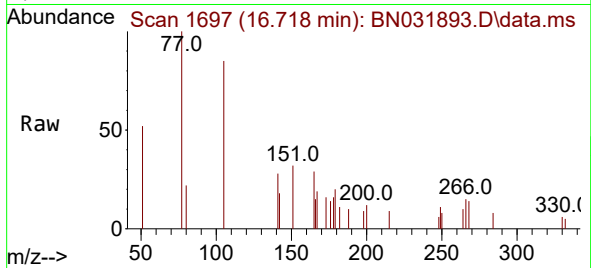
Tgt Ion:266 Resp: 147

Ion Ratio Lower Upper

266 100

264 62.6 50.0 75.0

268 62.6 51.0 76.6



#25

Phenanthrene

Concen: 0.021 ng

RT: 17.091 min Scan# 1727

Delta R.T. -0.012 min

Lab File: BN031893.D

Acq: 11 Jun 2024 01:10

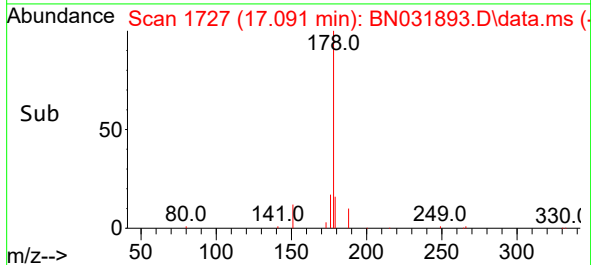
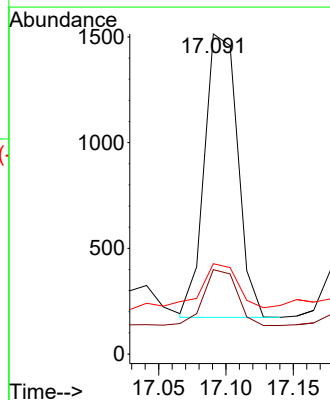
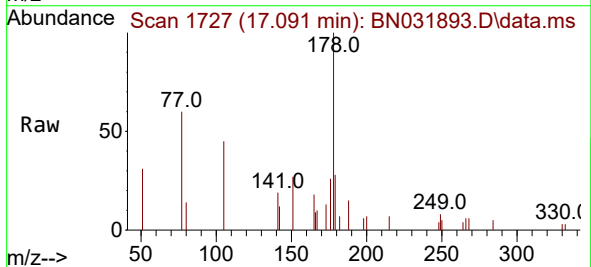
Tgt Ion:178 Resp: 2299

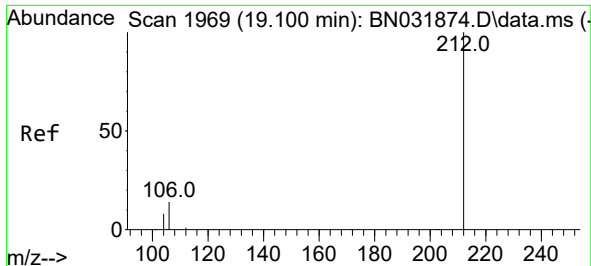
Ion Ratio Lower Upper

178 100

176 19.9 15.4 23.0

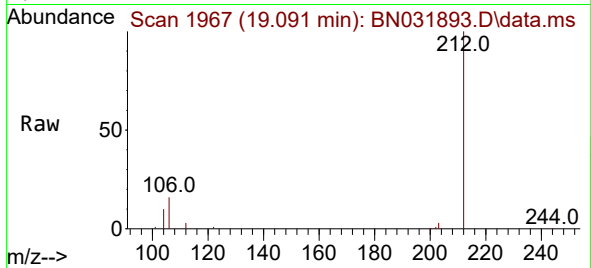
179 19.7 12.2 18.2#



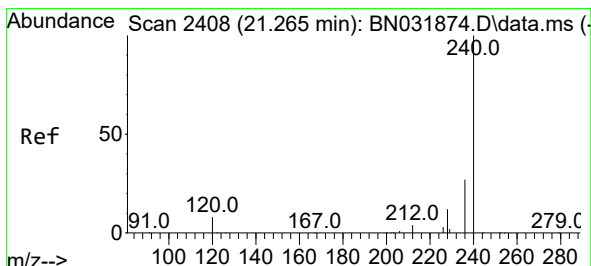
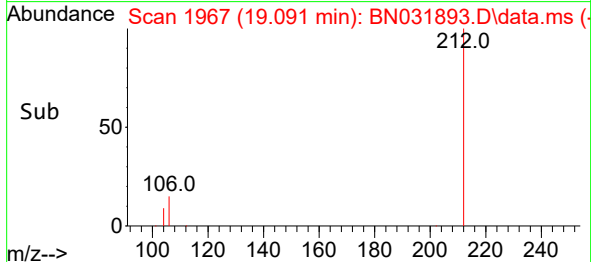
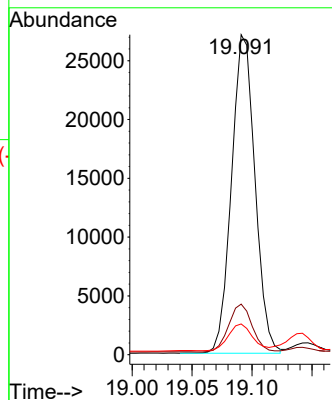


#27  
Fluoranthene-d10  
Concen: 0.336 ng  
RT: 19.091 min Scan# 1967  
Delta R.T. -0.009 min  
Lab File: BN031893.D  
Acq: 11 Jun 2024 01:10

Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-189-GW-58-60

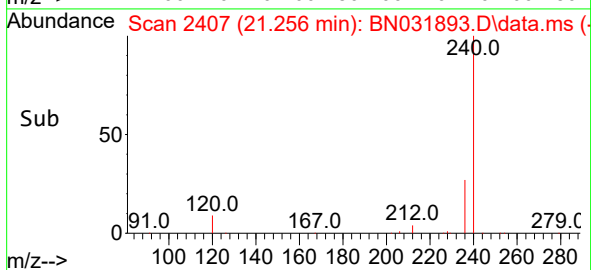
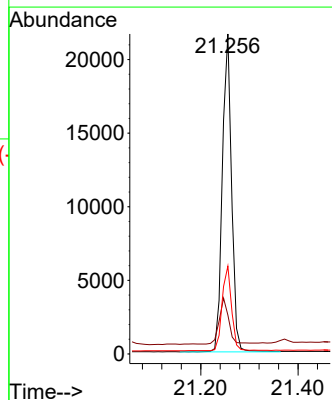
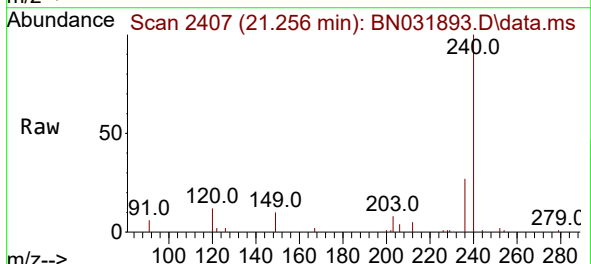


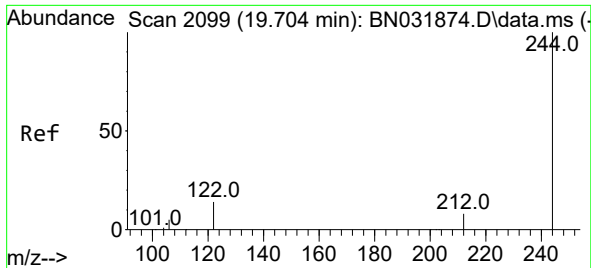
Tgt Ion:212 Resp: 36740  
Ion Ratio Lower Upper  
212 100  
106 15.0 11.8 17.8  
104 8.7 6.6 10.0



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.256 min Scan# 2407  
Delta R.T. -0.009 min  
Lab File: BN031893.D  
Acq: 11 Jun 2024 01:10

Tgt Ion:240 Resp: 28514  
Ion Ratio Lower Upper  
240 100  
120 12.2 8.2 12.4  
236 27.5 21.8 32.8

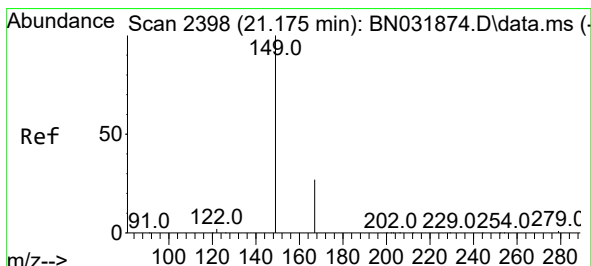
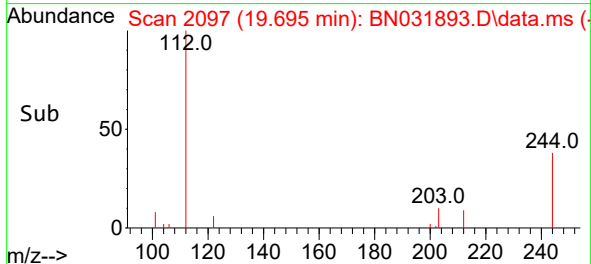
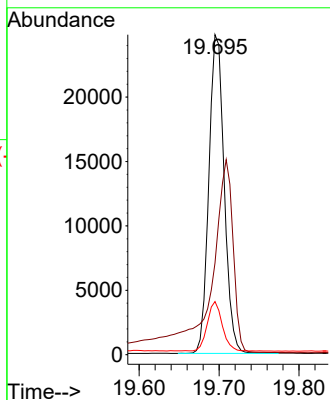
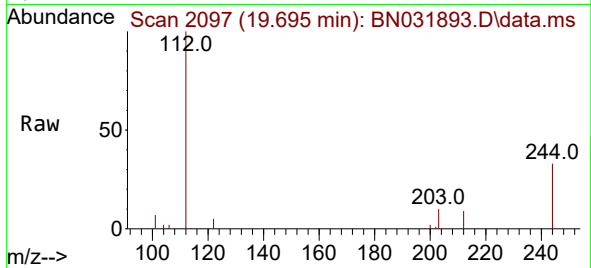




#31  
 Terphenyl-d14  
 Concen: 0.472 ng  
 RT: 19.695 min Scan# 2099  
 Delta R.T. -0.009 min  
 Lab File: BN031893.D  
 Acq: 11 Jun 2024 01:10

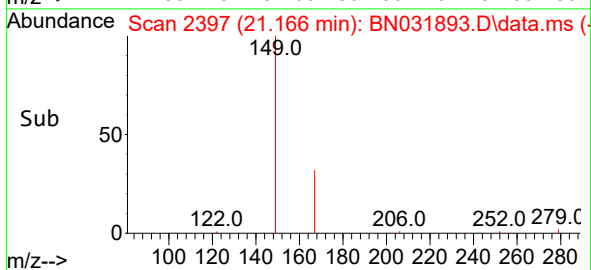
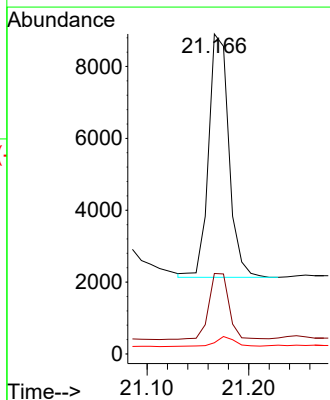
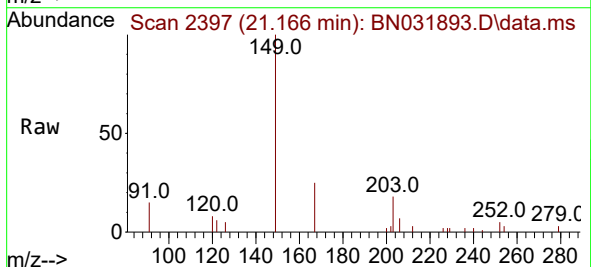
Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-189-GW-58-60

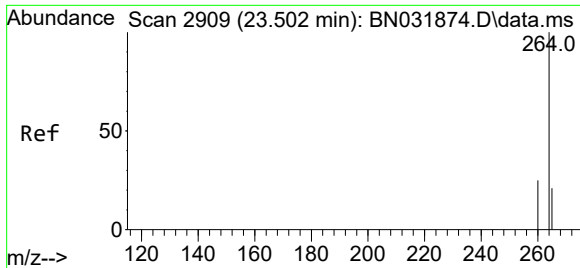
Tgt Ion:244 Resp: 32906  
 Ion Ratio Lower Upper  
 244 100  
 212 28.6 6.5 9.7#  
 122 16.6 11.4 17.0



#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.128 ng  
 RT: 21.166 min Scan# 2397  
 Delta R.T. -0.009 min  
 Lab File: BN031893.D  
 Acq: 11 Jun 2024 01:10

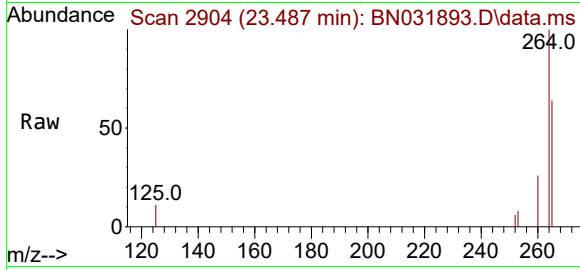
Tgt Ion:149 Resp: 9367  
 Ion Ratio Lower Upper  
 149 100  
 167 27.0 22.5 33.7  
 279 4.1 2.9 4.3





#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.487 min Scan# 2904  
 Delta R.T. -0.015 min  
 Lab File: BN031893.D  
 Acq: 11 Jun 2024 01:10

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-189-GW-58-60



Tgt Ion:264 Resp: 29206

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.8  | 20.5  | 30.7  |
| 265 | 63.6  | 39.6  | 59.4  |

