

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN051723\  
 Data File : BN025465.D  
 Acq On : 17 May 2023 22:17  
 Operator : CG/JU  
 Sample : 02816-07  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 CB-22-K2-SO-34-051623

Quant Time: May 18 03:42:13 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN051623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 18 03:36:39 2023  
 Response via : Initial Calibration

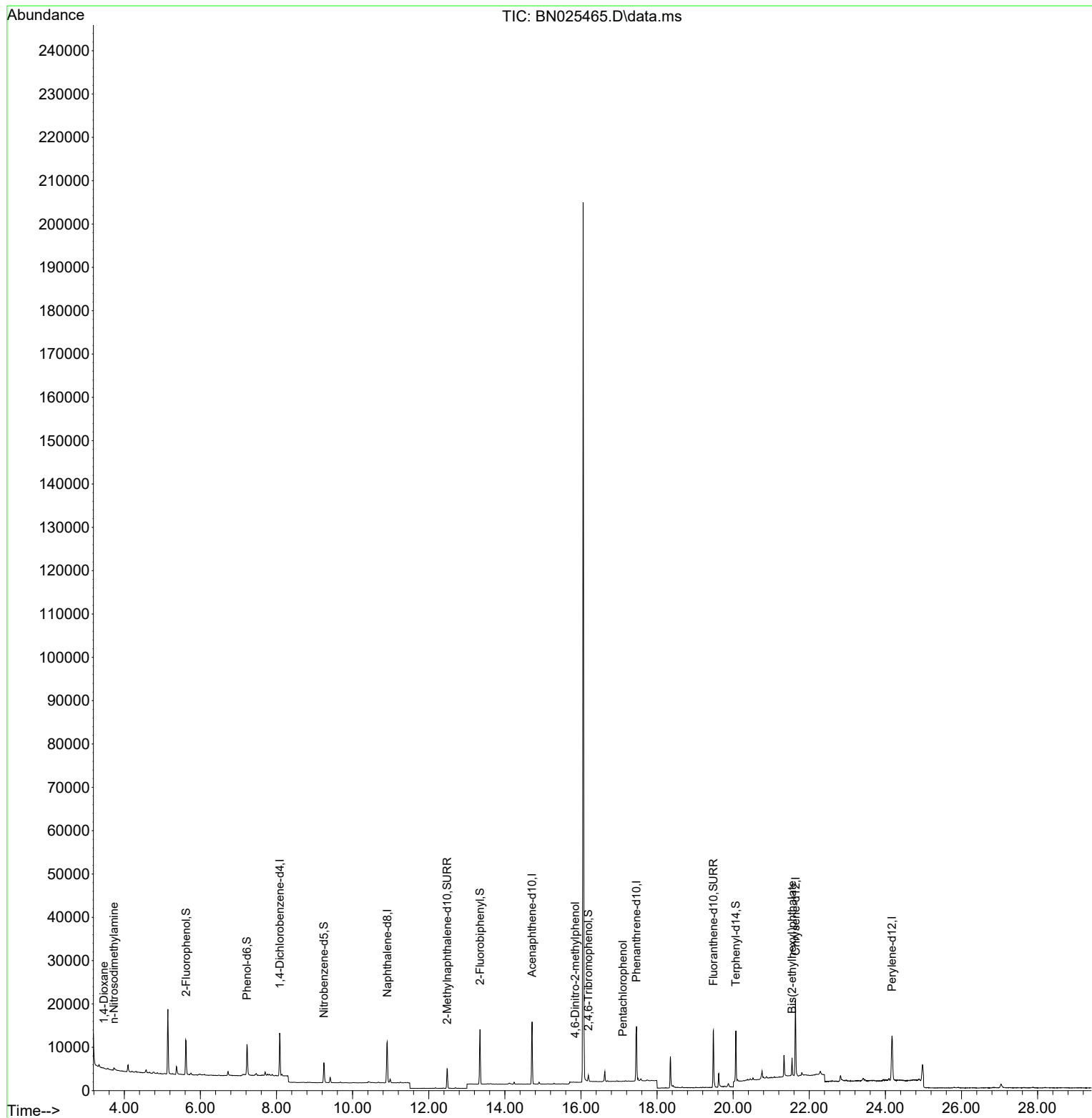
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.084  | 152  | 4795     | 0.400     | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.910 | 136  | 13670    | 0.400     | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.715 | 164  | 8094     | 0.400     | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.460 | 188  | 18398    | 0.400     | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.638 | 240  | 16085    | 0.400     | ng    | 0.00     |
| 35) Perylene-d12              | 24.174 | 264  | 16932    | 0.400     | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 4) 2-Fluorophenol             | 5.621  | 112  | 6749     | 0.656     | ng    | 0.00     |
| 5) Phenol-d6                  | 7.225  | 99   | 6760     | 0.489     | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.244  | 82   | 3792     | 0.406     | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.483 | 152  | 6145     | 0.322     | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.194 | 330  | 714      | 0.260     | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.347 | 172  | 10730    | 0.362     | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.481 | 212  | 14415    | 0.329     | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.071 | 244  | 9594     | 0.328     | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.462  | 88   | 91       | 0.020     | ng    | # 56     |
| 3) n-Nitrosodimethylamine     | 3.729  | 42   | 281      | 0.030     | ng    | # 1      |
| 6) bis(2-Chloroethyl)ether    | 7.499  | 93   | 13       | Below Cal |       | # 6      |
| 20) 4,6-Dinitro-2-methylph... | 15.846 | 198  | 1        | 0.133     | ng    | # 1      |
| 24) Pentachlorophenol         | 17.100 | 266  | 50       | 0.215     | ng    | # 71     |
| 34) Bis(2-ethylhexyl)phtha... | 21.549 | 149  | 3984     | 0.121     | ng    | # 96     |
| -----                         |        |      |          |           |       |          |

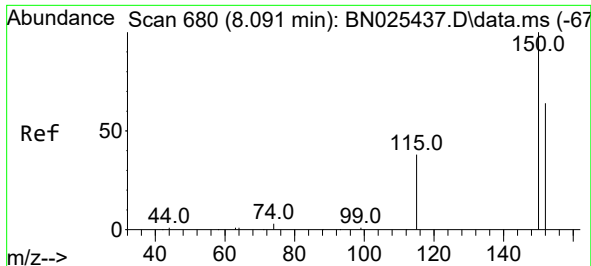
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN051723\  
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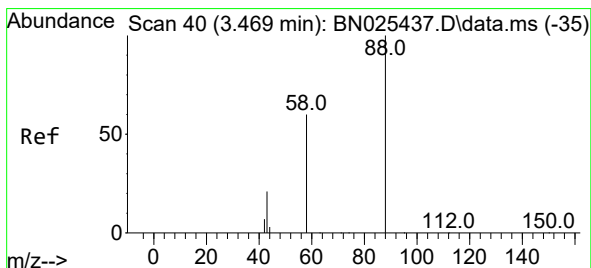
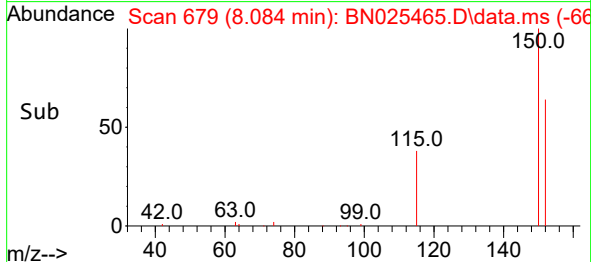
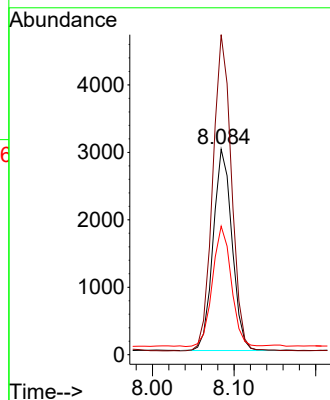
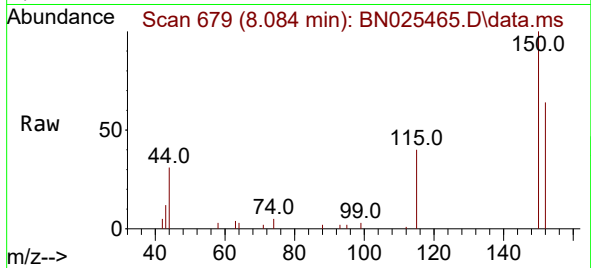




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 8.084 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: BN025465.D  
 Acq: 17 May 2023 22:17

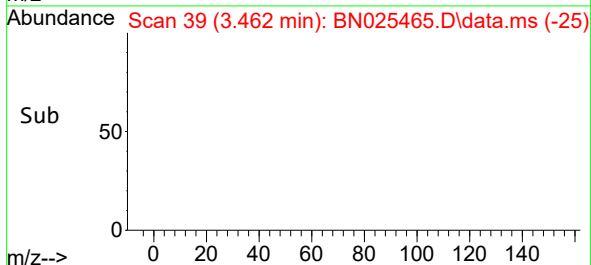
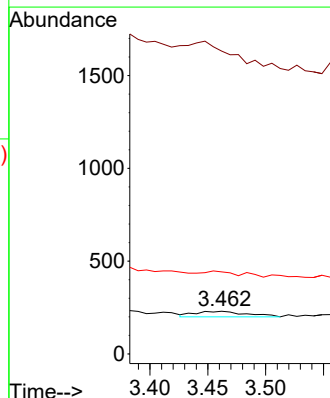
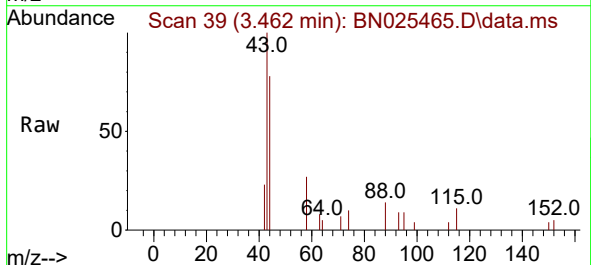
Instrument :  
 BNA\_N  
 ClientSampleId :  
 CB-22-K2-SO-34-051623

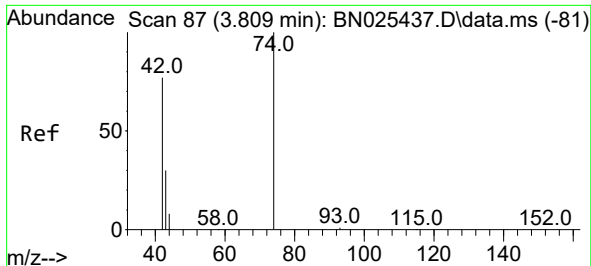
Tgt Ion:152 Resp: 4795  
 Ion Ratio Lower Upper  
 152 100  
 150 155.8 123.7 185.5  
 115 62.6 50.0 75.0



#2  
 1,4-Dioxane  
 Concen: 0.020 ng  
 RT: 3.462 min Scan# 39  
 Delta R.T. -0.000 min  
 Lab File: BN025465.D  
 Acq: 17 May 2023 22:17

Tgt Ion: 88 Resp: 91  
 Ion Ratio Lower Upper  
 88 100  
 43 0.0 25.1 37.7#  
 58 38.5 55.5 83.3#

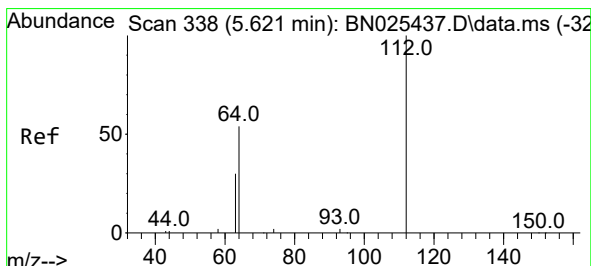
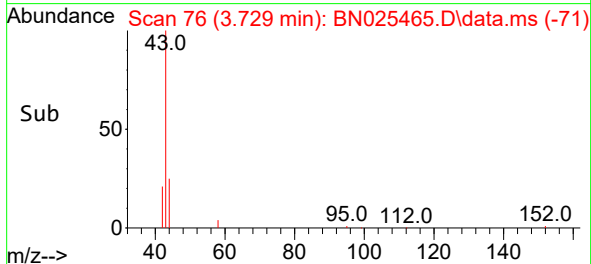
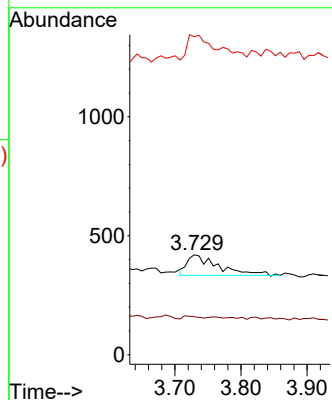
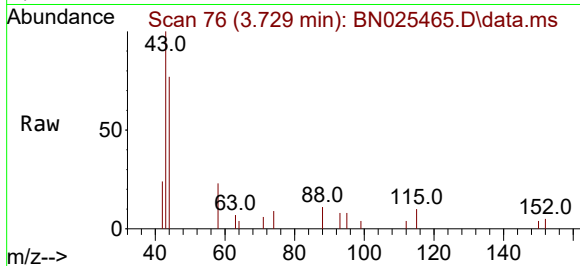




#3  
n-Nitrosodimethylamine  
Concen: 0.030 ng  
RT: 3.729 min Scan# 70  
Delta R.T. -0.065 min  
Lab File: BN025465.D  
Acq: 17 May 2023 22:17

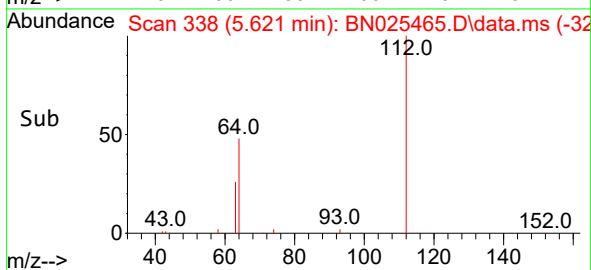
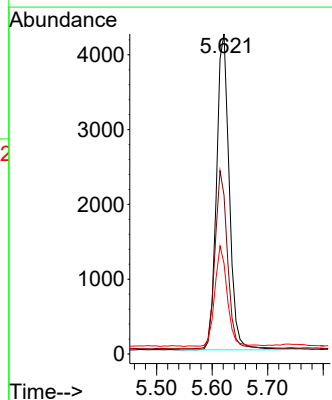
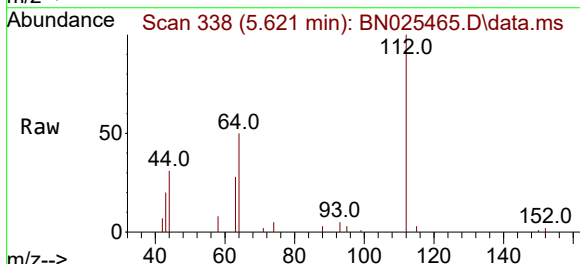
Instrument :  
BNA\_N  
ClientSampleId :  
CB-22-K2-SO-34-051623

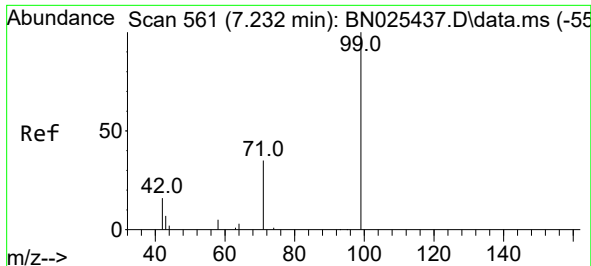
Tgt Ion: 42 Resp: 281  
Ion Ratio Lower Upper  
42 100  
74 7.1 100.1 150.1#  
44 87.2 0.0 0.0#



#4  
2-Fluorophenol  
Concen: 0.656 ng  
RT: 5.621 min Scan# 338  
Delta R.T. 0.007 min  
Lab File: BN025465.D  
Acq: 17 May 2023 22:17

Tgt Ion: 112 Resp: 6749  
Ion Ratio Lower Upper  
112 100  
64 55.7 43.9 65.9  
63 30.8 25.0 37.4

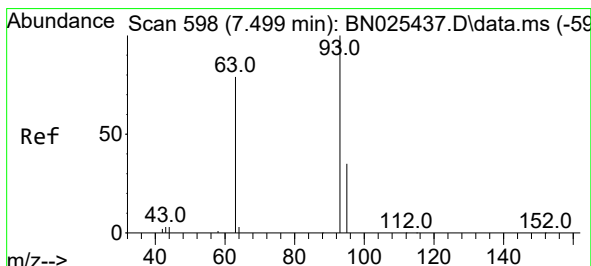
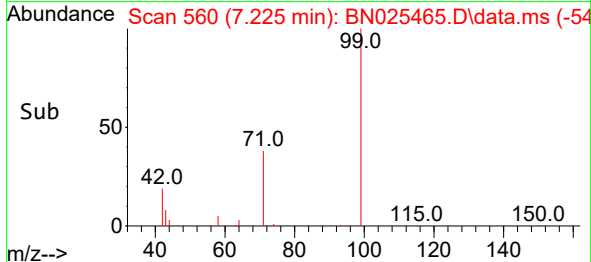
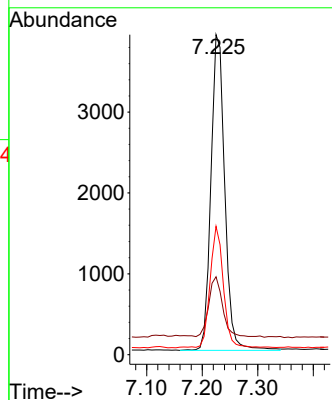
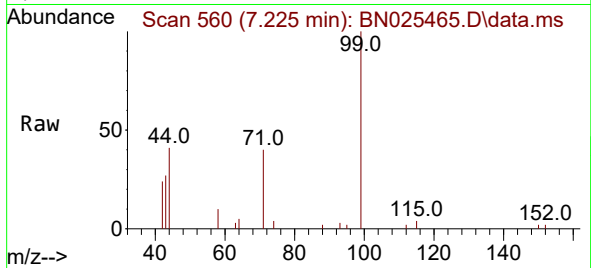




#5  
Phenol-d6  
Concen: 0.489 ng  
RT: 7.225 min Scan# 50  
Delta R.T. -0.000 min  
Lab File: BN025465.D  
Acq: 17 May 2023 22:17

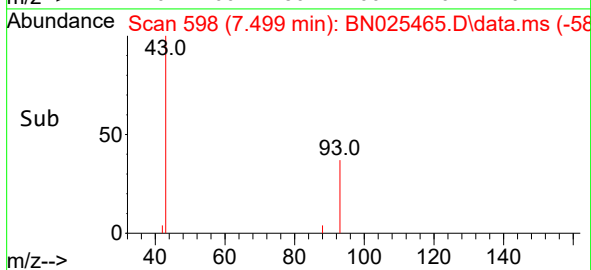
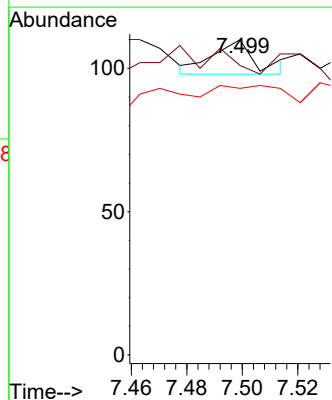
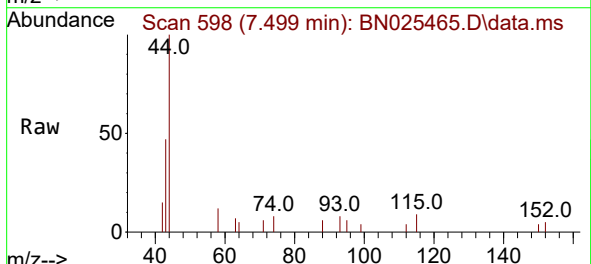
Instrument :  
BNA\_N  
ClientSampleId :  
CB-22-K2-SO-34-051623

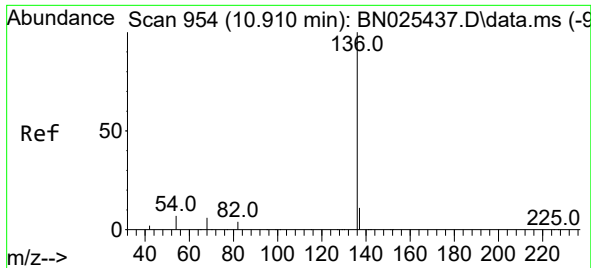
Tgt Ion: 99 Resp: 6760  
Ion Ratio Lower Upper  
99 100  
42 18.7 16.4 24.6  
71 37.4 29.4 44.0



#6  
bis(2-Chloroethyl)ether  
Concen: Below Cal  
RT: 7.499 min Scan# 598  
Delta R.T. -0.000 min  
Lab File: BN025465.D  
Acq: 17 May 2023 22:17

Tgt Ion: 93 Resp: 13  
Ion Ratio Lower Upper  
93 100  
63 0.0 48.5 72.7#  
95 92.3 22.0 33.0#

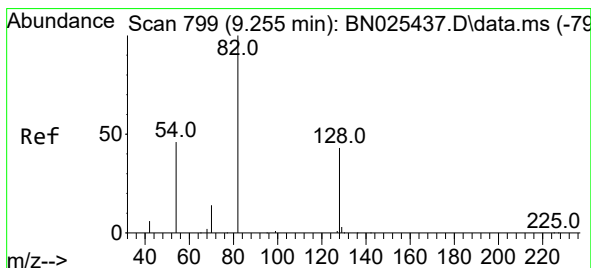
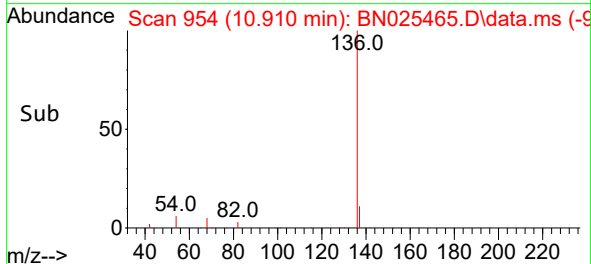
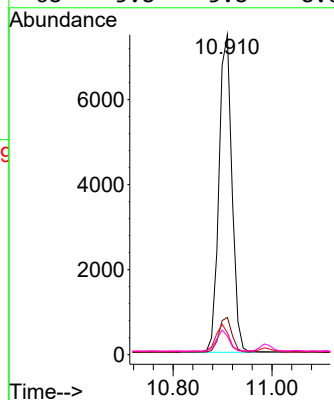
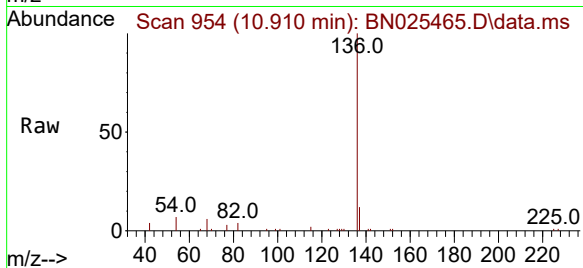




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.910 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BN025465.D  
Acq: 17 May 2023 22:17

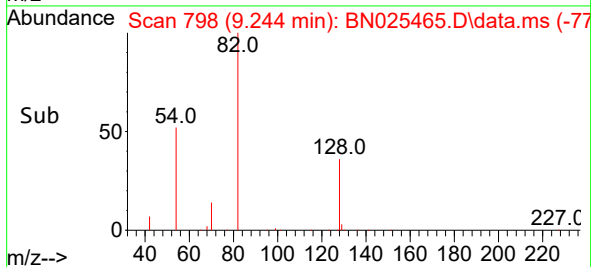
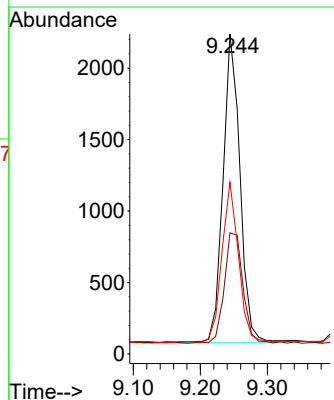
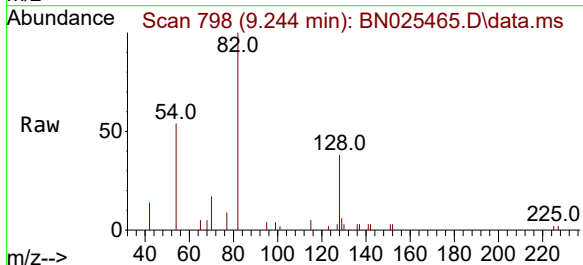
Instrument :  
BNA\_N  
ClientSampleId :  
CB-22-K2-SO-34-051623

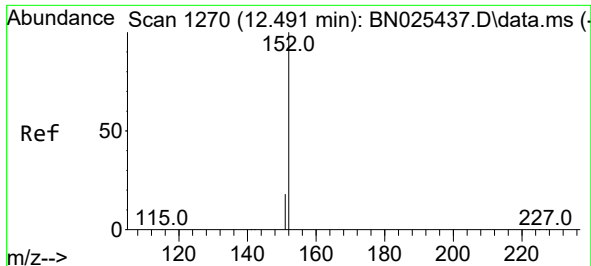
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 13670 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.6  | 9.4   | 14.0  |
| 54        | 6.9   | 7.0   | 10.4  |
| 68        | 5.8   | 5.8   | 8.6   |



#8  
Nitrobenzene-d5  
Concen: 0.406 ng  
RT: 9.244 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: BN025465.D  
Acq: 17 May 2023 22:17

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 3792 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 37.9  | 35.7  | 53.5 |
| 54        | 53.6  | 38.6  | 57.8 |

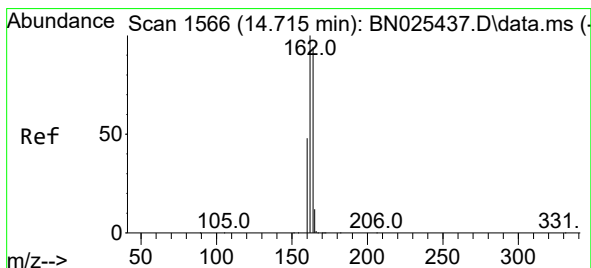
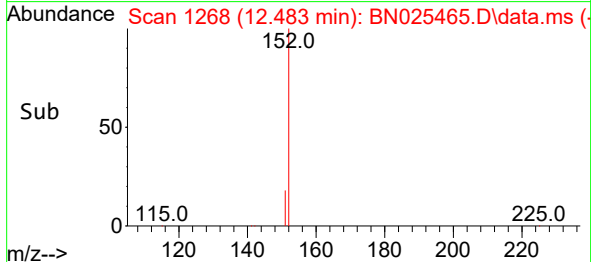
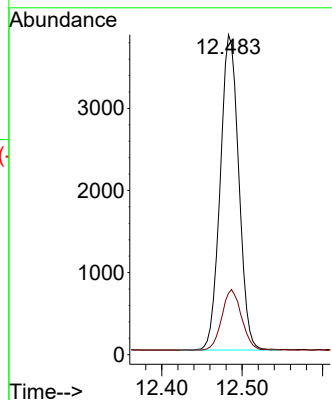
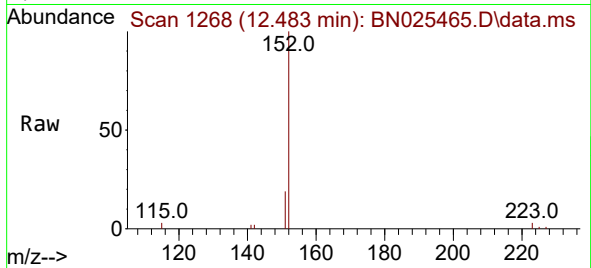




#11  
2-Methylnaphthalene-d10  
Concen: 0.322 ng  
RT: 12.483 min Scan# 1268  
Delta R.T. -0.004 min  
Lab File: BN025465.D  
Acq: 17 May 2023 22:17

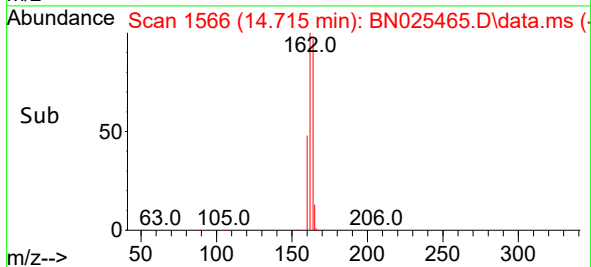
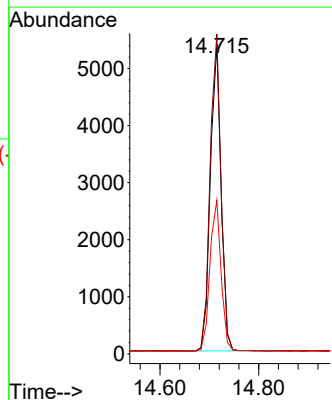
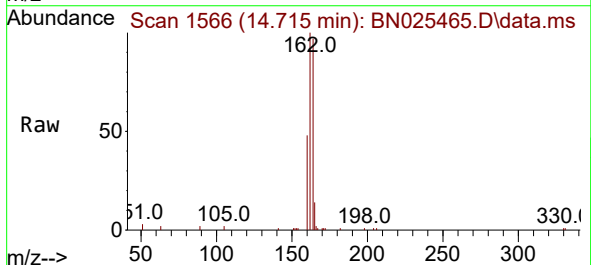
Instrument :  
BNA\_N  
ClientSampleId :  
CB-22-K2-SO-34-051623

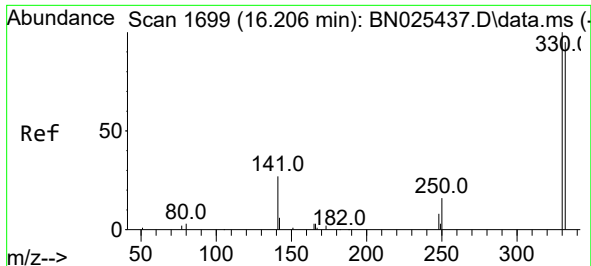
Tgt Ion:152 Resp: 6145  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.5 24.7



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.715 min Scan# 1566  
Delta R.T. -0.000 min  
Lab File: BN025465.D  
Acq: 17 May 2023 22:17

Tgt Ion:164 Resp: 8094  
Ion Ratio Lower Upper  
164 100  
162 103.4 84.8 127.2  
160 49.7 40.6 61.0

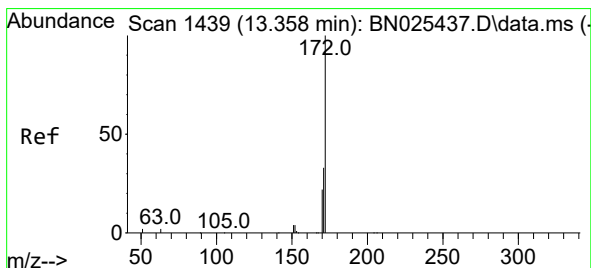
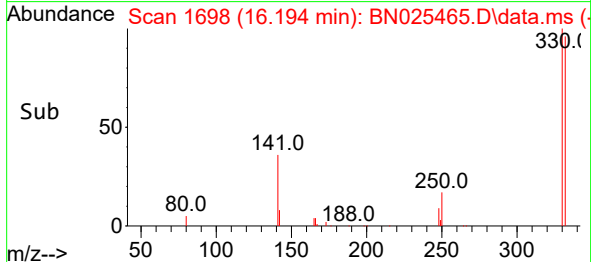
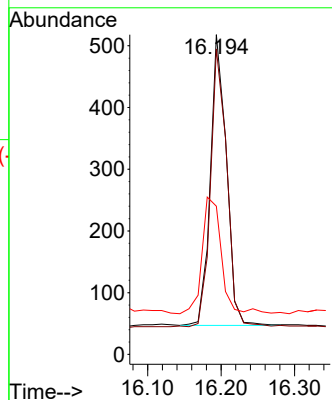
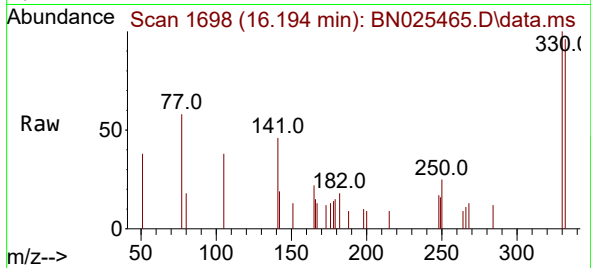




#14  
2,4,6-Tribromophenol  
Concen: 0.260 ng  
RT: 16.194 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: BN025465.D  
Acq: 17 May 2023 22:17

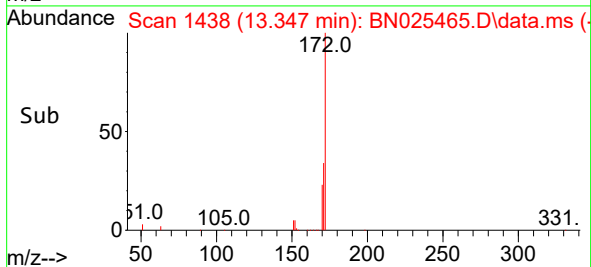
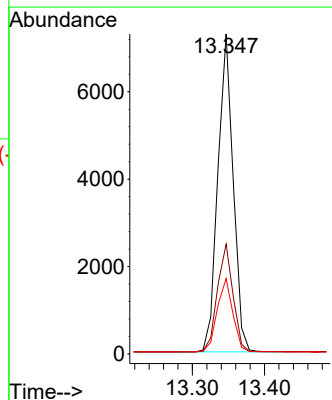
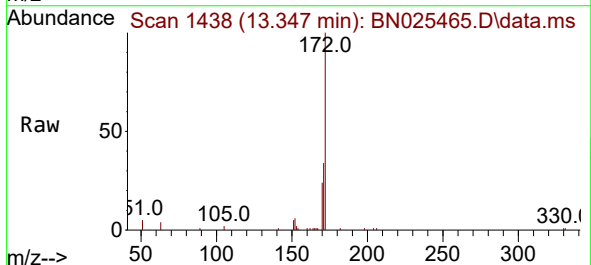
Instrument :  
BNA\_N  
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CB-22-K2-SO-34-051623

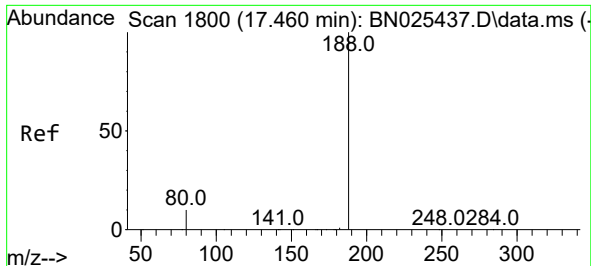
Tgt Ion:330 Resp: 714  
Ion Ratio Lower Upper  
330 100  
332 97.5 75.5 113.3  
141 47.9 35.3 52.9



#15  
2-Fluorobiphenyl  
Concen: 0.362 ng  
RT: 13.347 min Scan# 1438  
Delta R.T. -0.000 min  
Lab File: BN025465.D  
Acq: 17 May 2023 22:17

Tgt Ion:172 Resp: 10730  
Ion Ratio Lower Upper  
172 100  
171 34.3 27.0 40.6  
170 23.6 18.2 27.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.460 min Scan# 1800

Delta R.T. -0.000 min

Lab File: BN025465.D

Acq: 17 May 2023 22:17

Instrument :

BNA\_N

ClientSampleId :

CB-22-K2-SO-34-051623

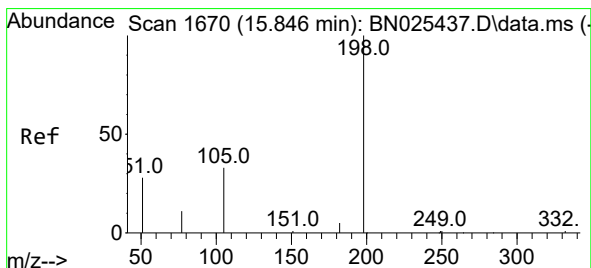
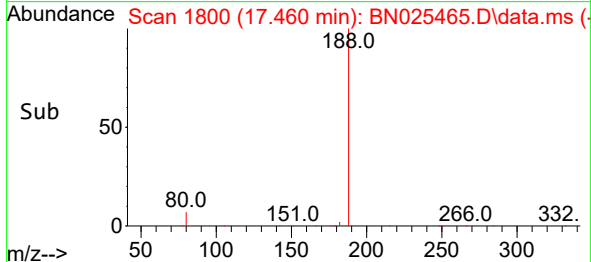
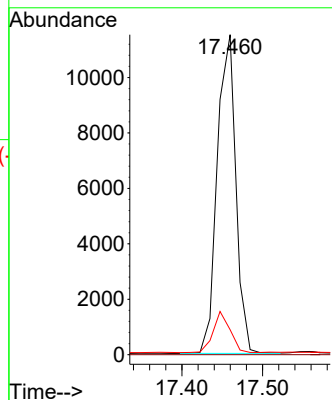
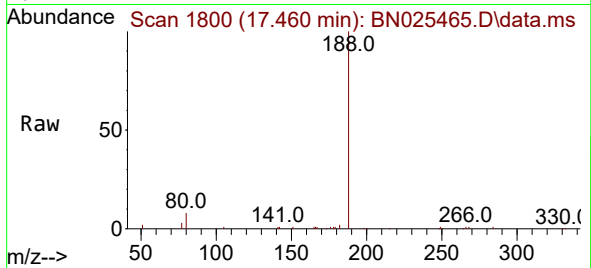
Tgt Ion:188 Resp: 18398

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.8 8.7 13.1#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.133 ng

RT: 15.846 min Scan# 1670

Delta R.T. 0.025 min

Lab File: BN025465.D

Acq: 17 May 2023 22:17

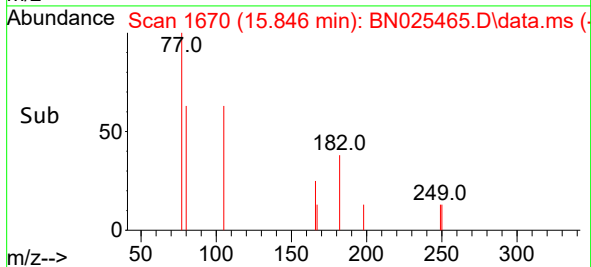
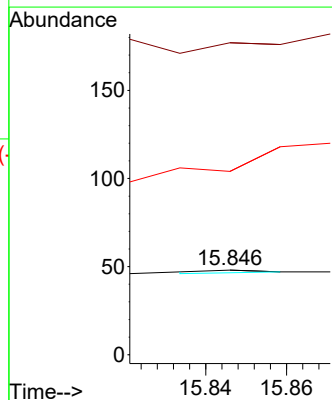
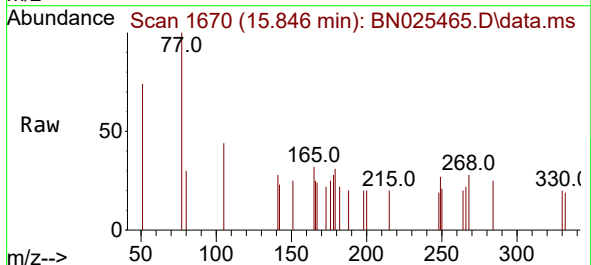
Tgt Ion:198 Resp: 1

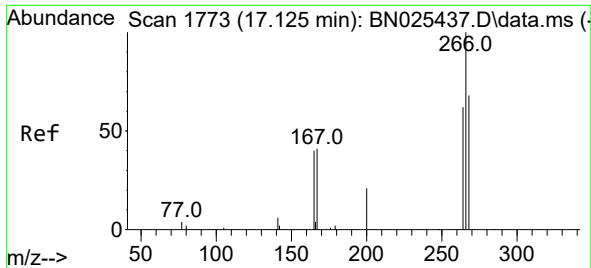
Ion Ratio Lower Upper

198 100

51 368.8 68.5 102.7#

105 216.7 57.6 86.4#

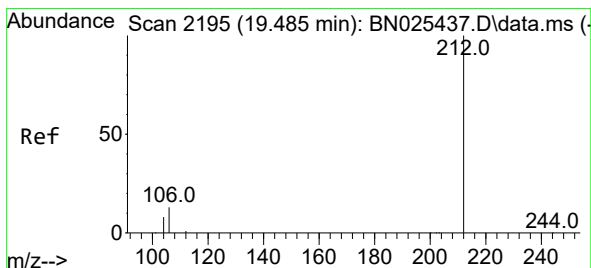
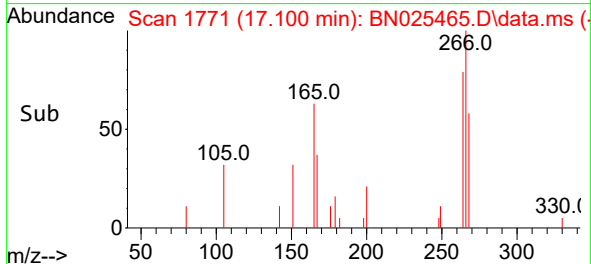
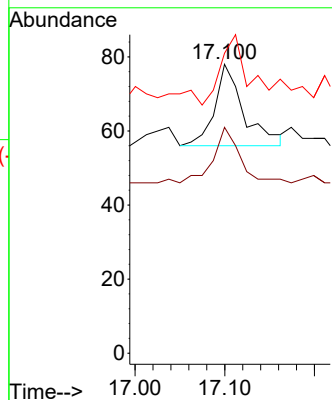
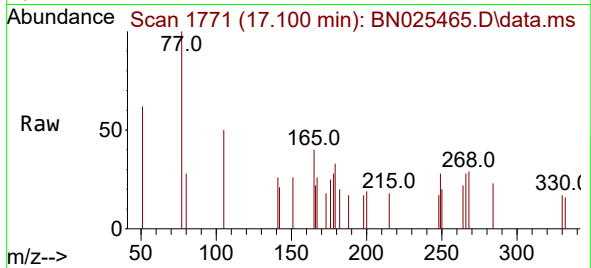




#24  
 Pentachlorophenol  
 Concen: 0.215 ng  
 RT: 17.100 min Scan# 1771  
 Delta R.T. -0.013 min  
 Lab File: BN025465.D  
 Acq: 17 May 2023 22:17

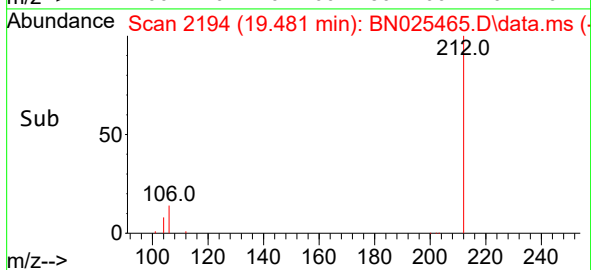
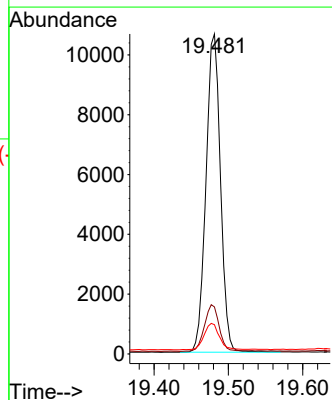
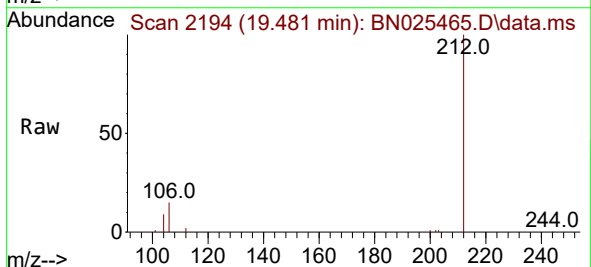
Instrument :  
 BNA\_N  
 ClientSampleId :  
 CB-22-K2-SO-34-051623

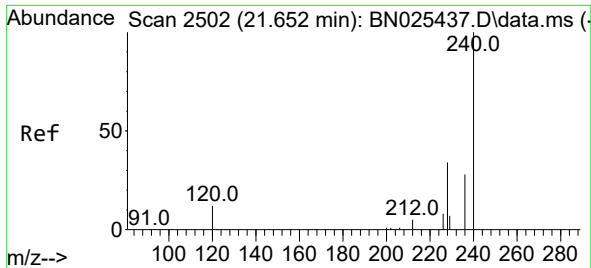
Tgt Ion:266 Resp: 50  
 Ion Ratio Lower Upper  
 266 100  
 264 62.0 49.5 74.3  
 268 108.0 51.0 76.4#



#27  
 Fluoranthene-d10  
 Concen: 0.329 ng  
 RT: 19.481 min Scan# 2194  
 Delta R.T. -0.000 min  
 Lab File: BN025465.D  
 Acq: 17 May 2023 22:17

Tgt Ion:212 Resp: 14415  
 Ion Ratio Lower Upper  
 212 100  
 106 15.0 11.1 16.7  
 104 8.8 6.6 10.0

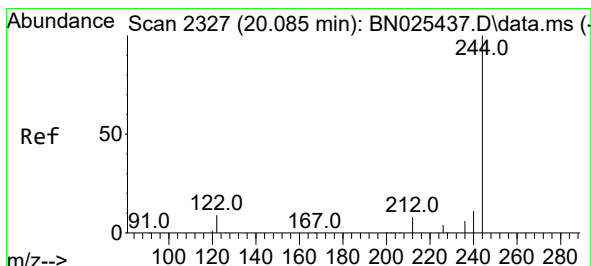
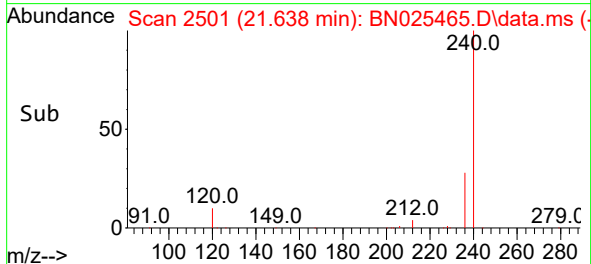
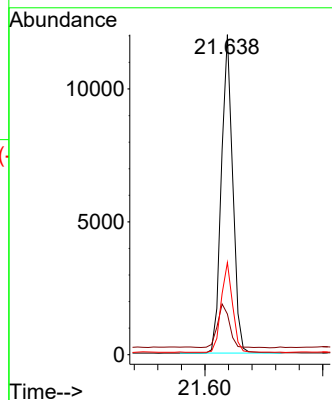
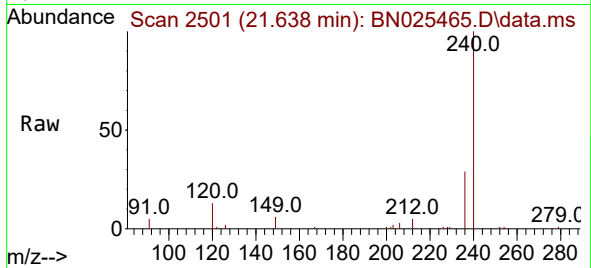




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.638 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BN025465.D  
Acq: 17 May 2023 22:17

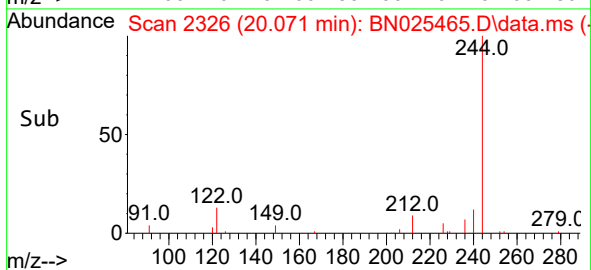
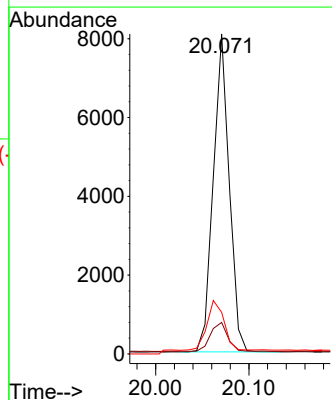
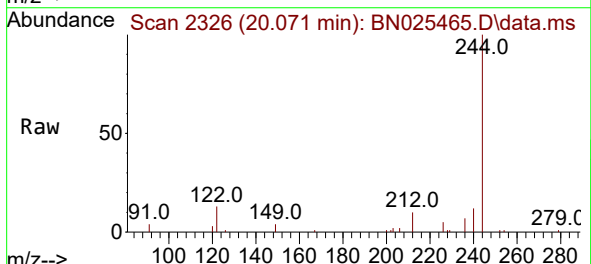
Instrument :  
BNA\_N  
ClientSampleId :  
CB-22-K2-SO-34-051623

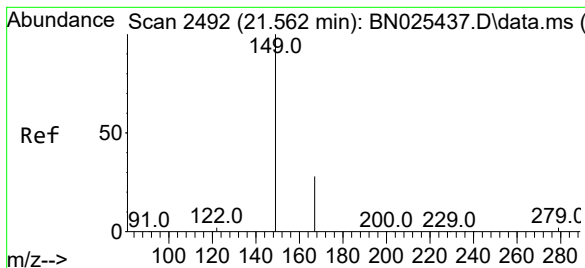
Tgt Ion:240 Resp: 16085  
Ion Ratio Lower Upper  
240 100  
120 12.7 11.6 17.4  
236 28.8 22.9 34.3



#31  
Terphenyl-d14  
Concen: 0.328 ng  
RT: 20.071 min Scan# 2326  
Delta R.T. -0.005 min  
Lab File: BN025465.D  
Acq: 17 May 2023 22:17

Tgt Ion:244 Resp: 9594  
Ion Ratio Lower Upper  
244 100  
212 9.9 6.9 10.3  
122 13.0 7.4 11.2#

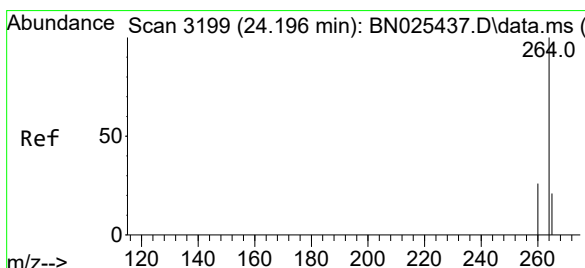
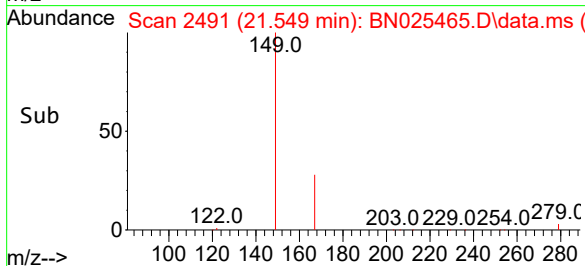
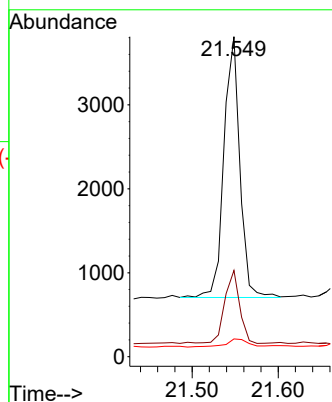
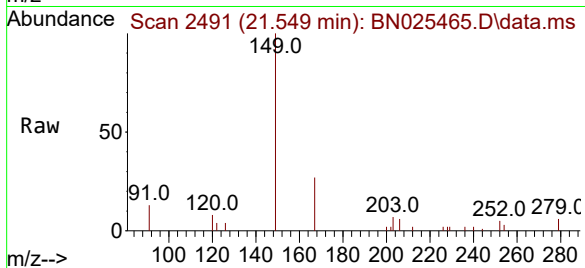




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.121 ng  
RT: 21.549 min Scan# 2491  
Delta R.T. -0.005 min  
Lab File: BN025465.D  
Acq: 17 May 2023 22:17

Instrument :  
BNA\_N  
ClientSampleId :  
CB-22-K2-SO-34-051623

Tgt Ion:149 Resp: 3984  
Ion Ratio Lower Upper  
149 100  
167 25.7 22.2 33.4  
279 4.4 2.5 3.7#



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 24.174 min Scan# 3191  
Delta R.T. -0.005 min  
Lab File: BN025465.D  
Acq: 17 May 2023 22:17

Tgt Ion:264 Resp: 16932  
Ion Ratio Lower Upper  
264 100  
260 26.9 21.0 31.6  
265 37.3 25.5 38.3

