

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082923\  
 Data File : BN027264.D  
 Acq On : 30 Aug 2023 06:19  
 Operator : MA/JU  
 Sample : 04128-07  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RW8-MW01S-20230822

Quant Time: Aug 30 18:13:03 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN082923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 29 05:37:30 2023  
 Response via : Initial Calibration

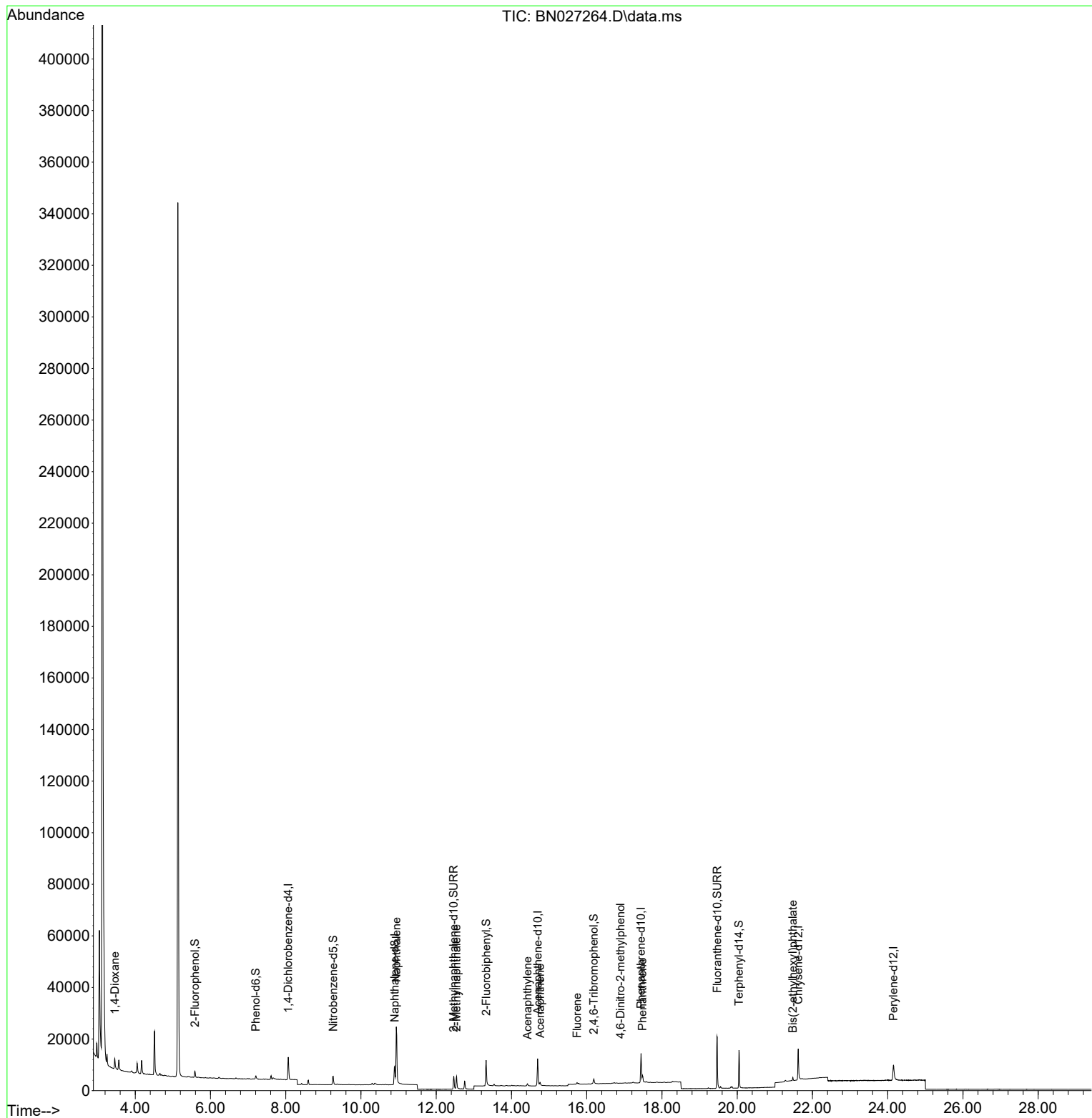
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.066  | 152  | 4352     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.895 | 136  | 11567    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.694 | 164  | 6946     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.443 | 188  | 17674    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.623 | 240  | 13233    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 24.153 | 264  | 11257    | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.589  | 112  | 2227     | 0.196 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.207  | 99   | 1431     | 0.104 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.262  | 82   | 3213     | 0.381 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.464 | 152  | 7932     | 0.467 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.189 | 330  | 1327     | 0.516 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.325 | 172  | 10519    | 0.398 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.467 | 212  | 23701    | 0.539 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.048 | 244  | 14364    | 0.540 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.458  | 88   | 2903     | 0.546 | ng    | # 81     |
| 9) Naphthalene                | 10.938 | 128  | 33956    | 1.077 | ng    | 99       |
| 12) 2-Methylnaphthalene       | 12.540 | 142  | 4044     | 0.180 | ng    | 97       |
| 16) Acenaphthylene            | 14.427 | 152  | 1185     | 0.037 | ng    | 98       |
| 17) Acenaphthene              | 14.758 | 154  | 566      | 0.027 | ng    | 95       |
| 18) Fluorene                  | 15.742 | 166  | 636      | 0.023 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 16.897 | 198  | 8        | 0.032 | ng    | # 4      |
| 25) Phenanthrene              | 17.480 | 178  | 3151     | 0.061 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.479 | 149  | 1241     | 0.057 | ng    | 96       |
| -----                         |        |      |          |       |       |          |

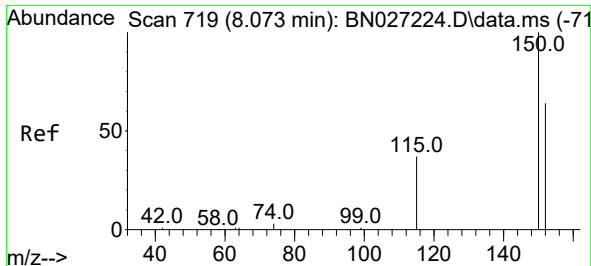
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082923\  
Data File : BN027264.D  
Acq On : 30 Aug 2023 06:19  
Operator : MA/JU  
Sample : 04128-07  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
RW8-MW01S-20230822

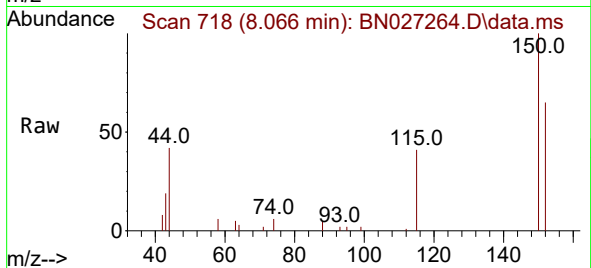
Quant Time: Aug 30 18:13:03 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN082923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 29 05:37:30 2023  
Response via : Initial Calibration



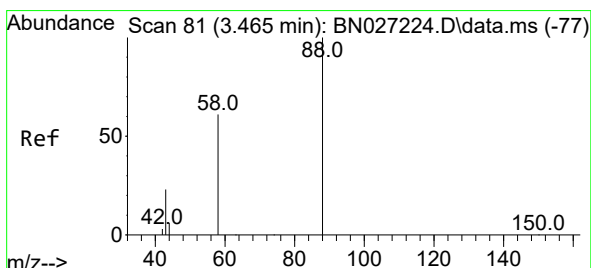
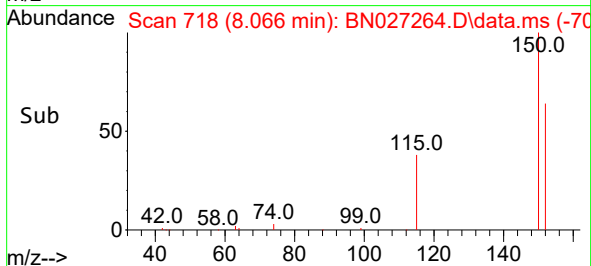
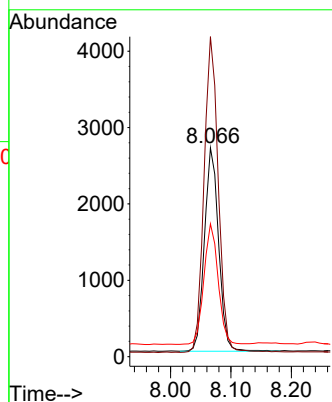


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 8.066 min Scan# 71  
Delta R.T. -0.007 min  
Lab File: BN027264.D  
Acq: 30 Aug 2023 06:19

Instrument :  
BNA\_N  
ClientSampleId :  
RW8-MW01S-20230822

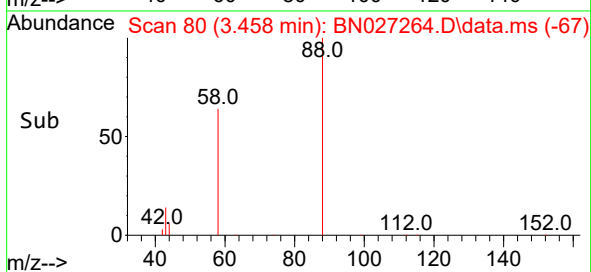
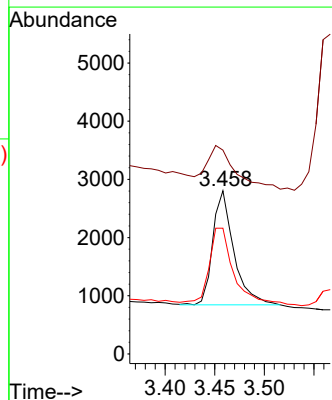
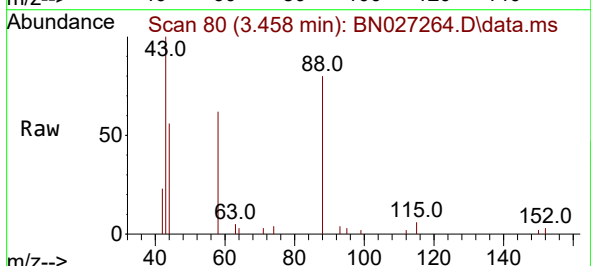


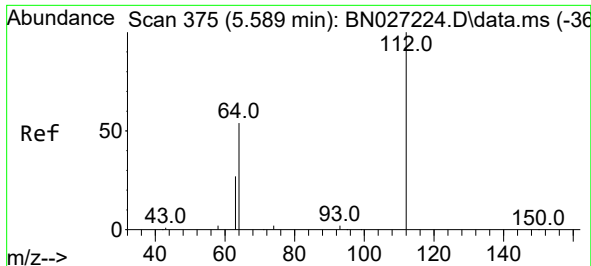
Tgt Ion:152 Resp: 4352  
Ion Ratio Lower Upper  
152 100  
150 153.3 122.7 184.1  
115 63.6 48.6 73.0



#2  
1,4-Dioxane  
Concen: 0.546 ng  
RT: 3.458 min Scan# 80  
Delta R.T. -0.007 min  
Lab File: BN027264.D  
Acq: 30 Aug 2023 06:19

Tgt Ion: 88 Resp: 2903  
Ion Ratio Lower Upper  
88 100  
43 51.4 19.1 28.7#  
58 69.2 52.2 78.2

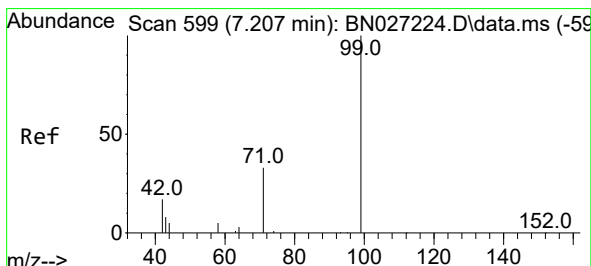
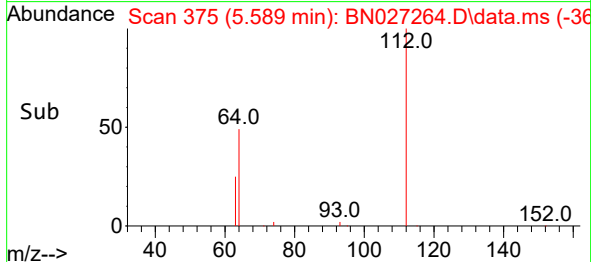
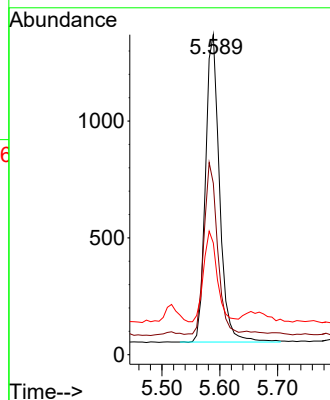
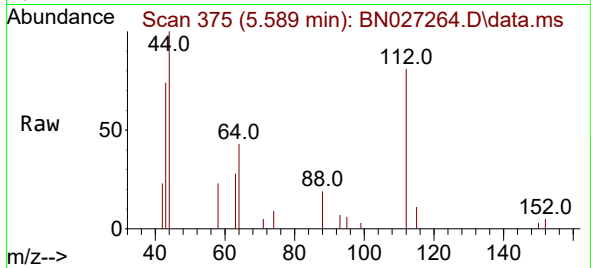




#4  
2-Fluorophenol  
Concen: 0.196 ng  
RT: 5.589 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: BN027264.D  
Acq: 30 Aug 2023 06:19

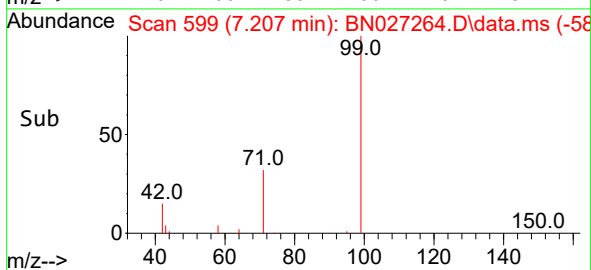
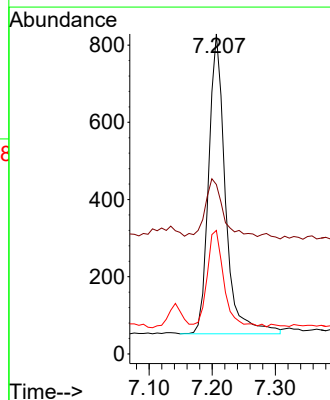
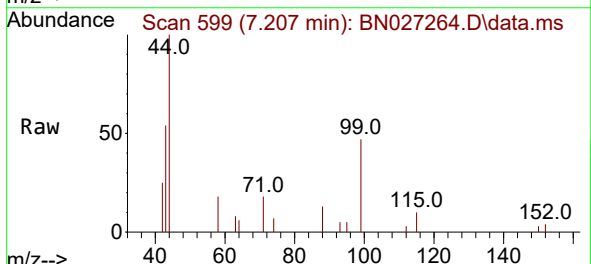
Instrument :  
BNA\_N  
ClientSampleId :  
RW8-MW01S-20230822

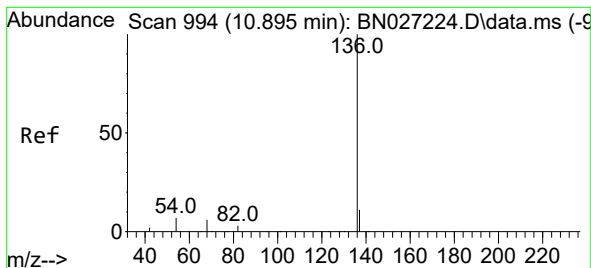
Tgt Ion:112 Resp: 2227  
Ion Ratio Lower Upper  
112 100  
64 53.8 44.4 66.6  
63 28.7 23.1 34.7



#5  
Phenol-d6  
Concen: 0.104 ng  
RT: 7.207 min Scan# 599  
Delta R.T. -0.000 min  
Lab File: BN027264.D  
Acq: 30 Aug 2023 06:19

Tgt Ion: 99 Resp: 1431  
Ion Ratio Lower Upper  
99 100  
42 20.9 14.5 21.7  
71 32.0 25.8 38.6





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.895 min Scan# 994

Delta R.T. -0.000 min

Lab File: BN027264.D

Acq: 30 Aug 2023 06:19

Instrument :

BNA\_N

ClientSampleId :

RW8-MW01S-20230822

Tgt Ion:136 Resp: 11567

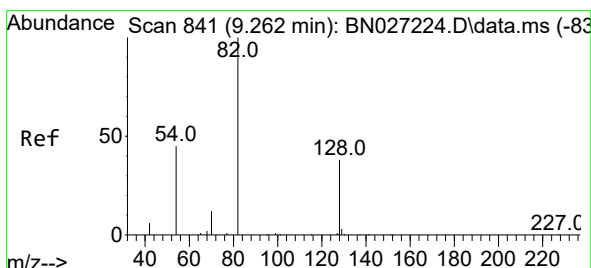
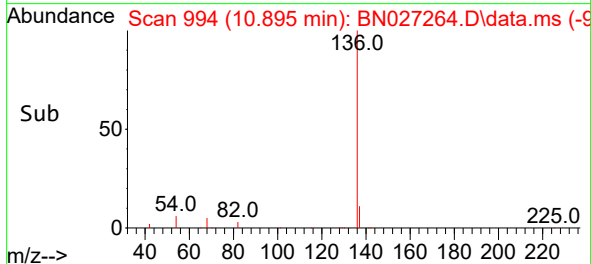
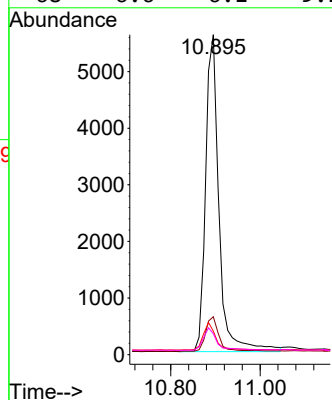
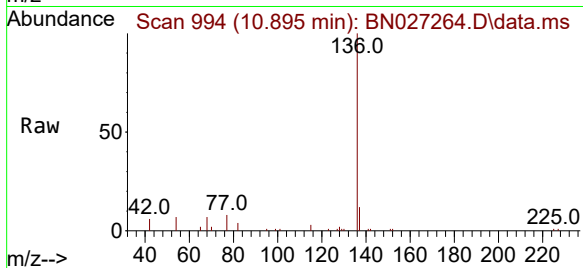
Ion Ratio Lower Upper

136 100

137 11.8 9.3 13.9

54 7.3 6.7 10.1

68 6.6 6.1 9.1



#8

Nitrobenzene-d5

Concen: 0.381 ng

RT: 9.262 min Scan# 841

Delta R.T. -0.000 min

Lab File: BN027264.D

Acq: 30 Aug 2023 06:19

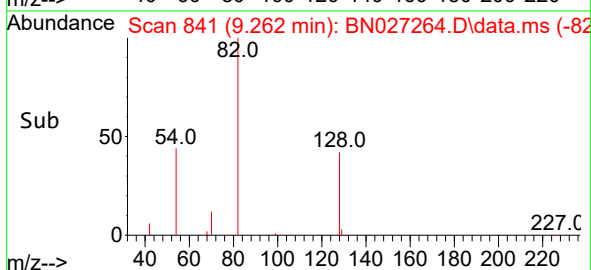
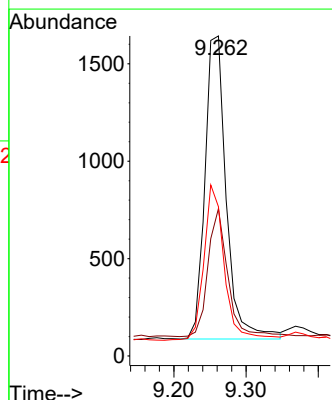
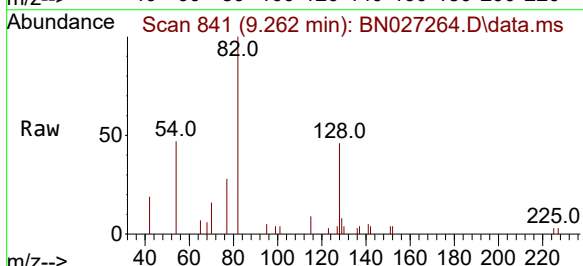
Tgt Ion: 82 Resp: 3213

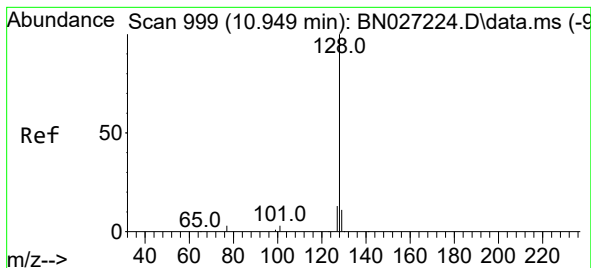
Ion Ratio Lower Upper

82 100

128 46.1 33.4 50.0

54 46.7 37.7 56.5





#9

Naphthalene

Concen: 1.077 ng

RT: 10.938 min Scan# 99

Delta R.T. -0.011 min

Lab File: BN027264.D

Acq: 30 Aug 2023 06:19

Instrument :

BNA\_N

ClientSampleId :

RW8-MW01S-20230822

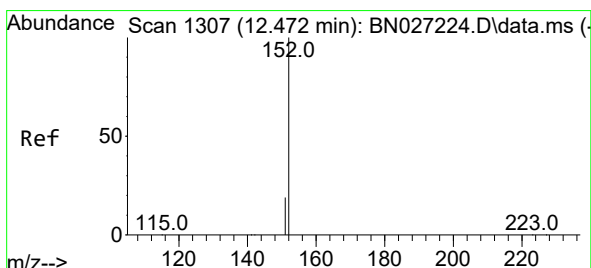
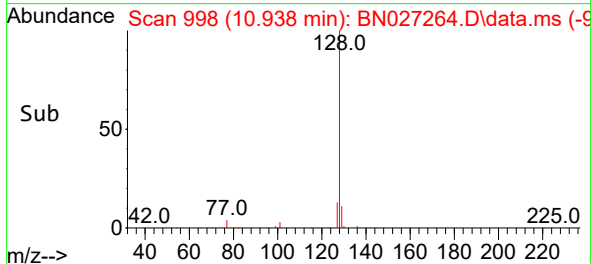
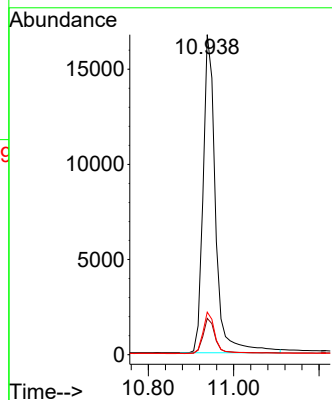
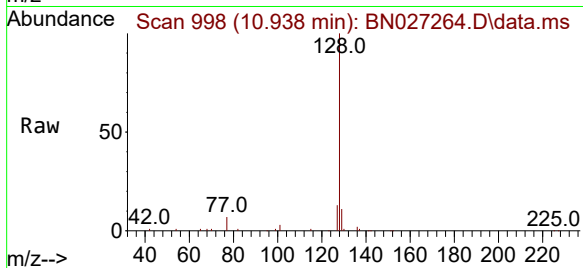
Tgt Ion:128 Resp: 33956

Ion Ratio Lower Upper

128 100

129 11.4 9.4 14.0

127 13.3 10.6 15.8



#11

2-Methylnaphthalene-d10

Concen: 0.467 ng

RT: 12.464 min Scan# 1305

Delta R.T. -0.008 min

Lab File: BN027264.D

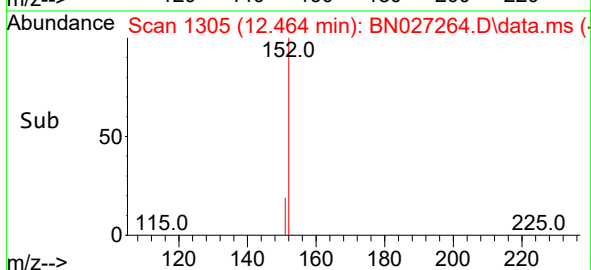
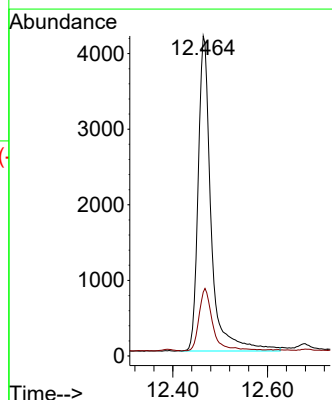
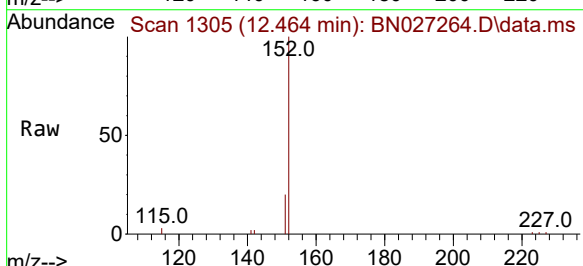
Acq: 30 Aug 2023 06:19

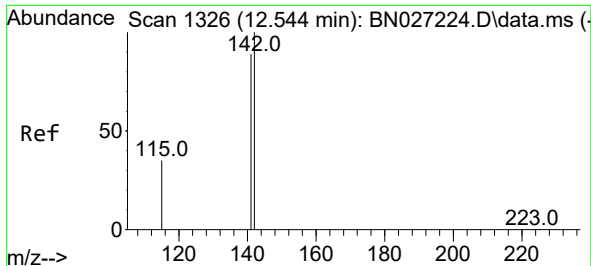
Tgt Ion:152 Resp: 7932

Ion Ratio Lower Upper

152 100

151 21.5 16.6 25.0

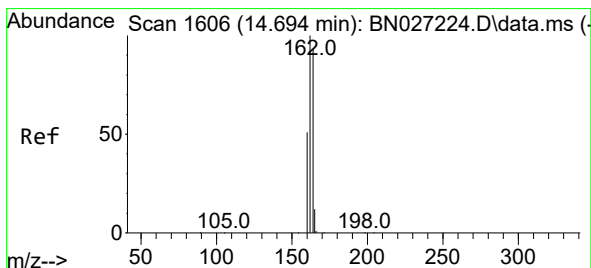
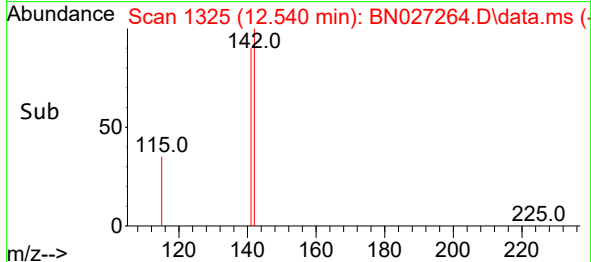
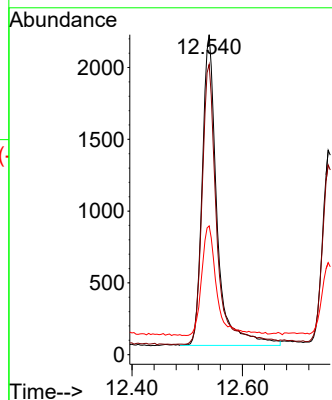
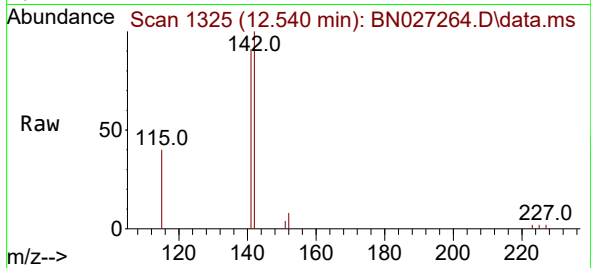




#12  
2-Methylnaphthalene  
Concen: 0.180 ng  
RT: 12.540 min Scan# 11  
Delta R.T. -0.004 min  
Lab File: BN027264.D  
Acq: 30 Aug 2023 06:19

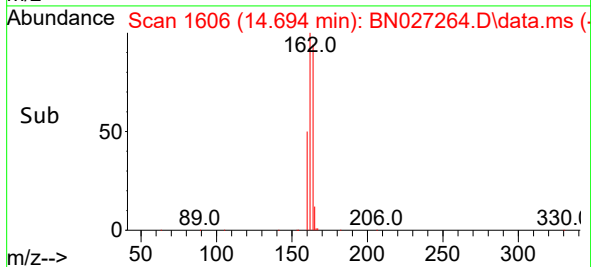
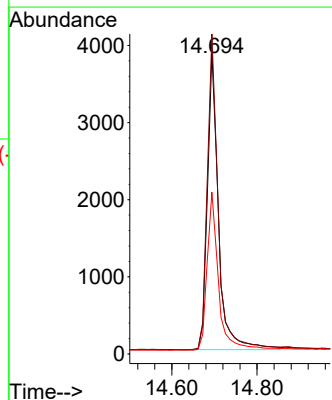
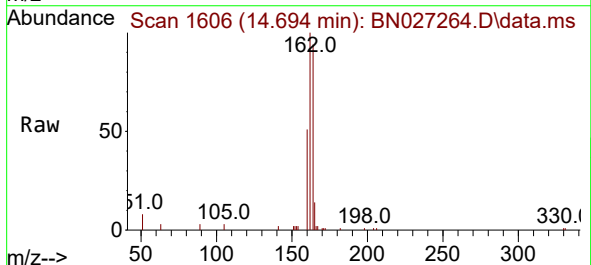
Instrument :  
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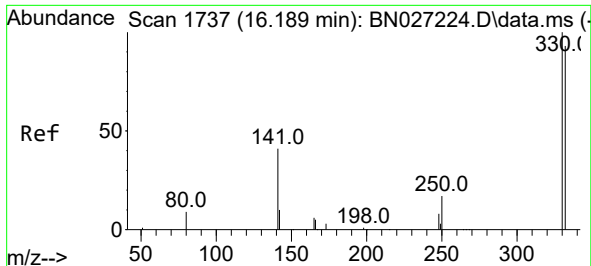
Tgt Ion:142 Resp: 4044  
Ion Ratio Lower Upper  
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141 90.7 71.1 106.7  
115 40.2 29.6 44.4



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.694 min Scan# 1606  
Delta R.T. -0.000 min  
Lab File: BN027264.D  
Acq: 30 Aug 2023 06:19

Tgt Ion:164 Resp: 6946  
Ion Ratio Lower Upper  
164 100  
162 106.4 85.8 128.8  
160 53.8 44.2 66.2

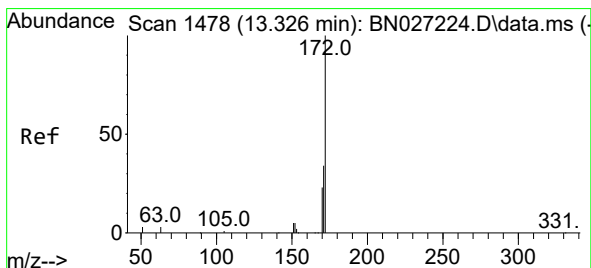
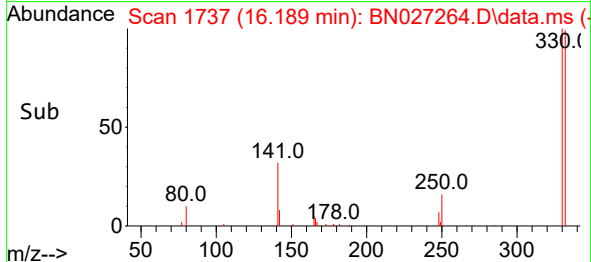
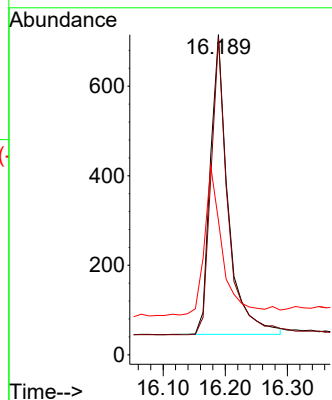
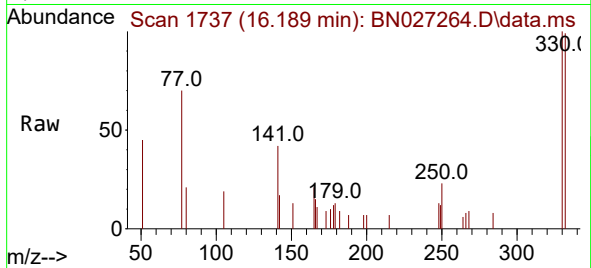




#14  
2,4,6-Tribromophenol  
Concen: 0.516 ng  
RT: 16.189 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN027264.D  
Acq: 30 Aug 2023 06:19

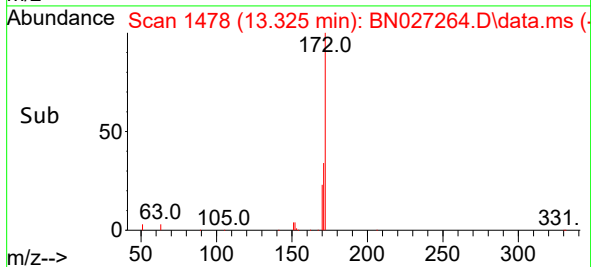
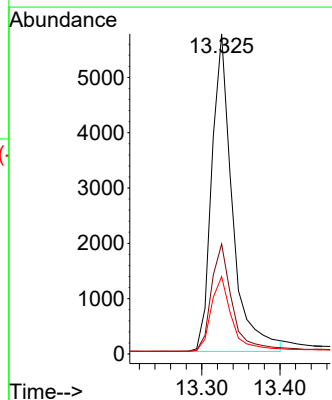
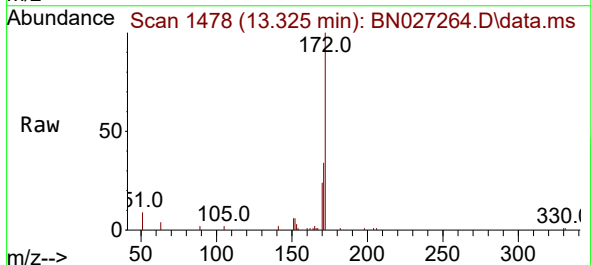
Instrument :  
BNA\_N  
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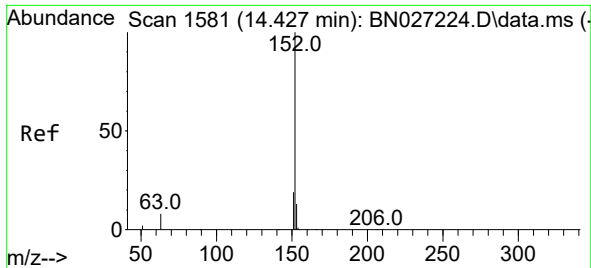
Tgt Ion:330 Resp: 1327  
Ion Ratio Lower Upper  
330 100  
332 95.6 75.2 112.8  
141 49.7 36.2 54.4



#15  
2-Fluorobiphenyl  
Concen: 0.398 ng  
RT: 13.325 min Scan# 1478  
Delta R.T. -0.000 min  
Lab File: BN027264.D  
Acq: 30 Aug 2023 06:19

Tgt Ion:172 Resp: 10519  
Ion Ratio Lower Upper  
172 100  
171 34.4 27.8 41.8  
170 24.2 19.3 28.9

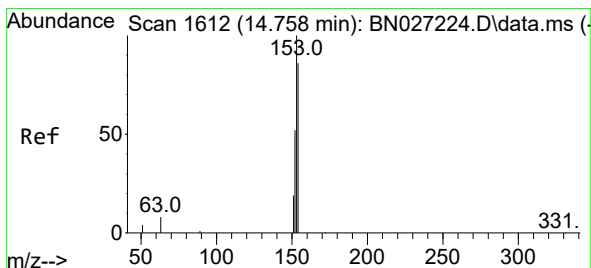
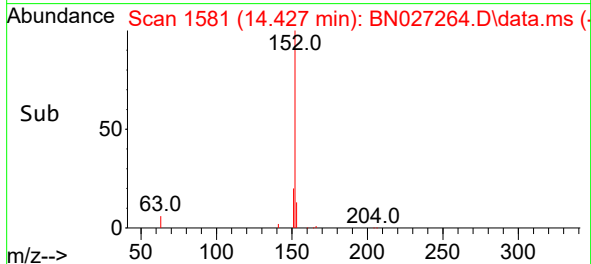
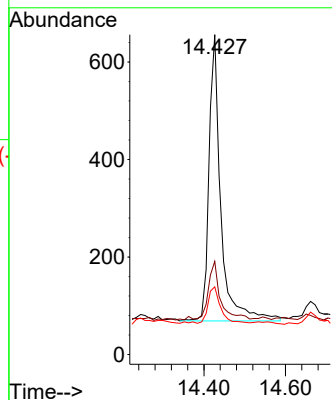
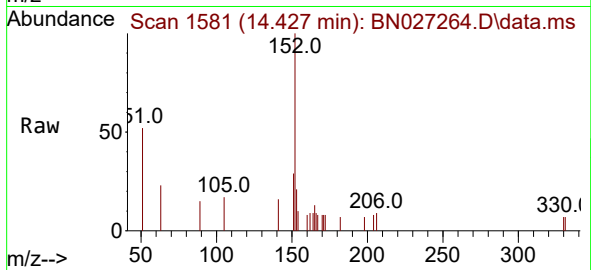




#16  
Acenaphthylene  
Concen: 0.037 ng  
RT: 14.427 min Scan# 1581  
Delta R.T. -0.000 min  
Lab File: BN027264.D  
Acq: 30 Aug 2023 06:19

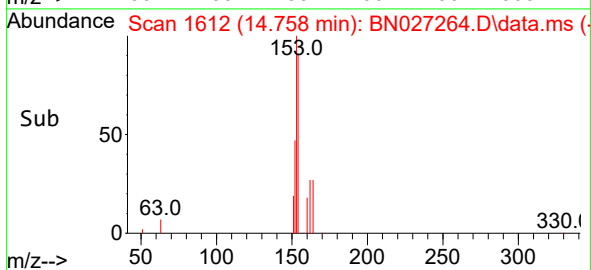
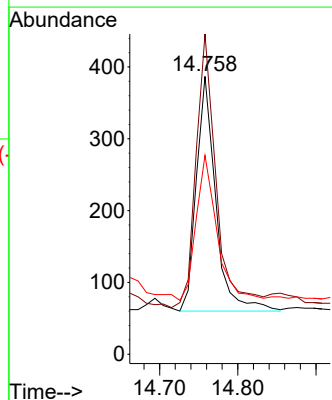
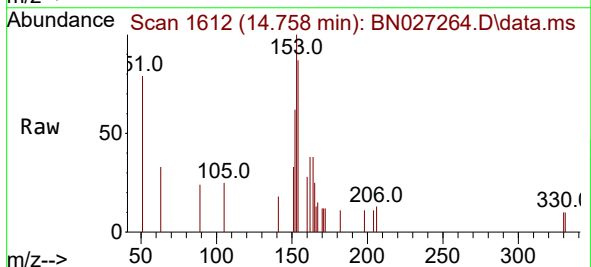
Instrument :  
BNA\_N  
ClientSampleId :  
RW8-MW01S-20230822

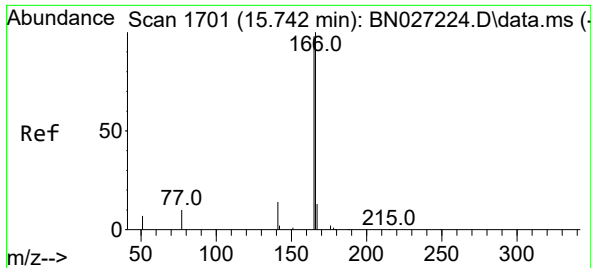
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 1185  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 20.5  | 15.5  | 23.3  |
| 153      | 13.7  | 10.3  | 15.5  |



#17  
Acenaphthene  
Concen: 0.027 ng  
RT: 14.758 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: BN027264.D  
Acq: 30 Aug 2023 06:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 154   | Resp: | 566   |
| Ion      | Ratio | Lower | Upper |
| 154      | 100   |       |       |
| 153      | 121.2 | 93.1  | 139.7 |
| 152      | 65.9  | 48.6  | 73.0  |

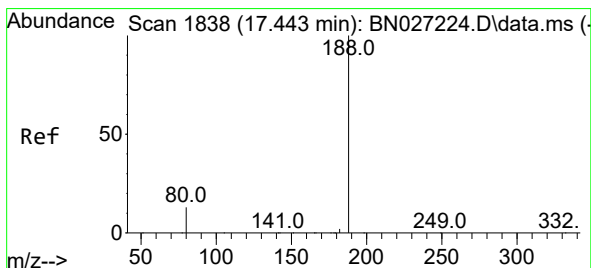
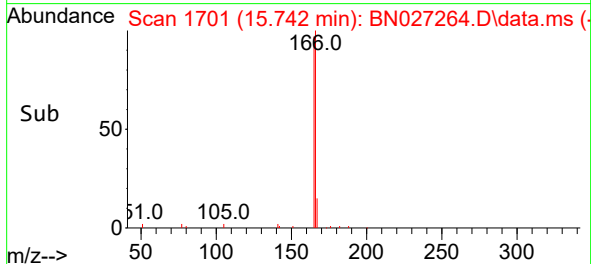
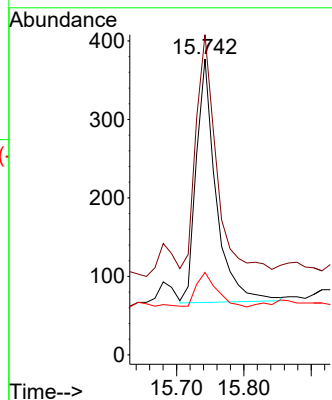
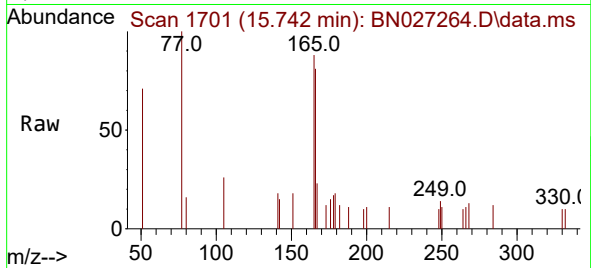




#18  
Fluorene  
Concen: 0.023 ng  
RT: 15.742 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: BN027264.D  
Acq: 30 Aug 2023 06:19

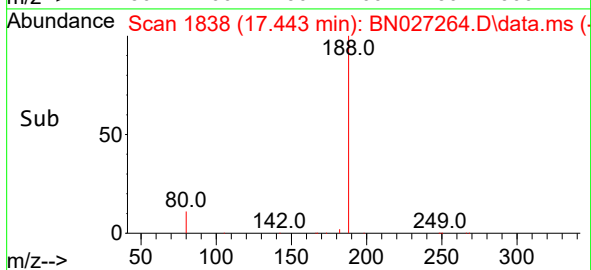
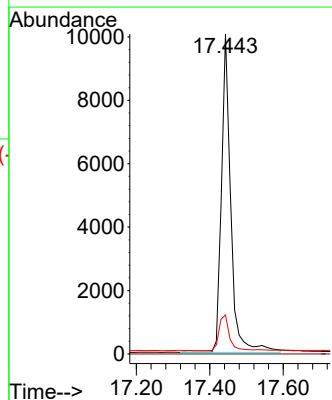
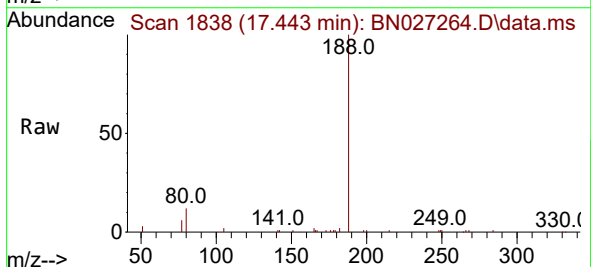
Instrument :  
BNA\_N  
ClientSampleId :  
RW8-MW01S-20230822

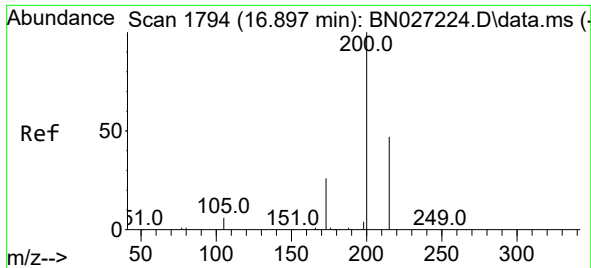
Tgt Ion:166 Resp: 636  
Ion Ratio Lower Upper  
166 100  
165 98.6 79.0 118.4  
167 14.6 10.8 16.2



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.443 min Scan# 1838  
Delta R.T. -0.000 min  
Lab File: BN027264.D  
Acq: 30 Aug 2023 06:19

Tgt Ion:188 Resp: 17674  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 12.2 11.0 16.6

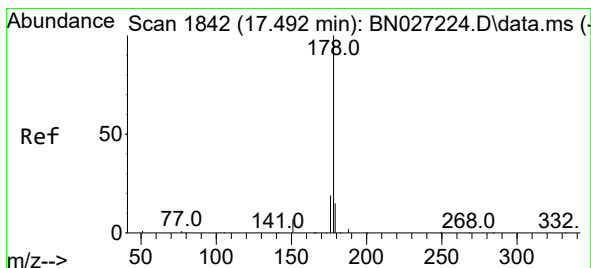
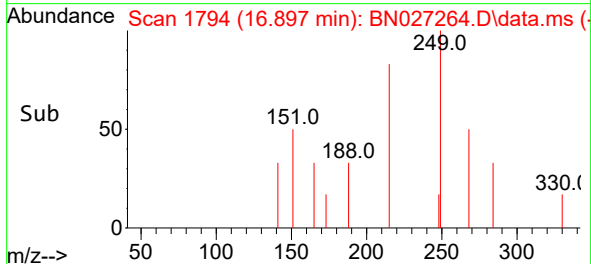
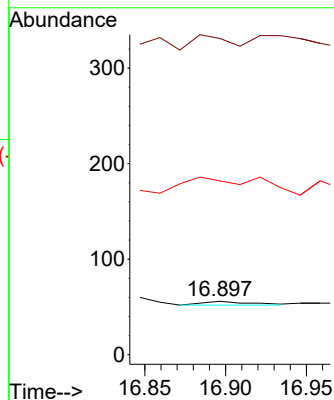
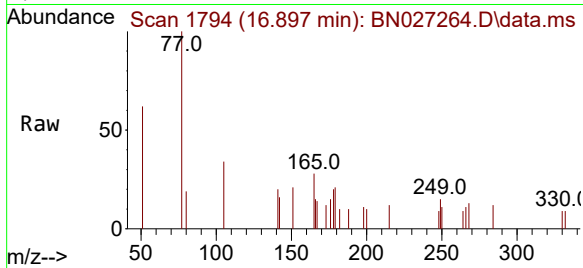




#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.032 ng  
RT: 16.897 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN027264.D  
Acq: 30 Aug 2023 06:19

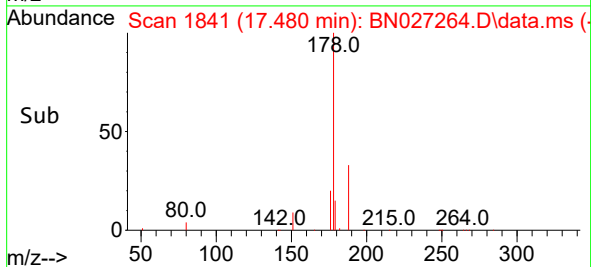
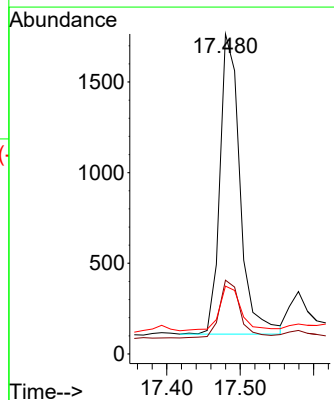
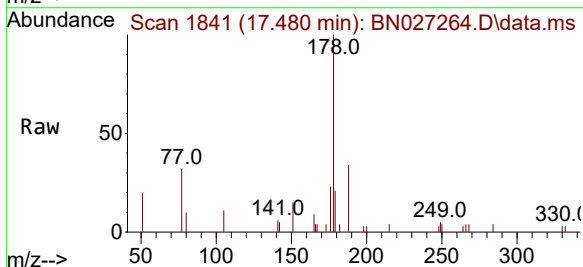
Instrument :  
BNA\_N  
ClientSampleId :  
RW8-MW01S-20230822

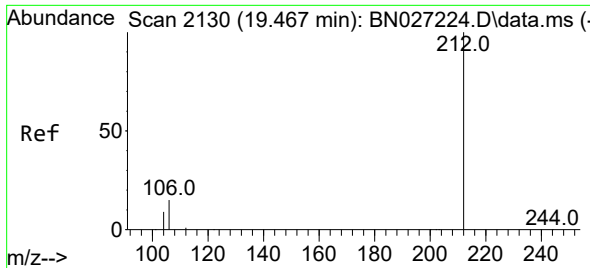
Tgt Ion:198 Resp: 8  
Ion Ratio Lower Upper  
198 100  
51 591.1 282.2 423.2#  
105 325.0 168.7 253.1#



#25  
Phenanthrene  
Concen: 0.061 ng  
RT: 17.480 min Scan# 1841  
Delta R.T. -0.013 min  
Lab File: BN027264.D  
Acq: 30 Aug 2023 06:19

Tgt Ion:178 Resp: 3151  
Ion Ratio Lower Upper  
178 100  
176 20.2 15.6 23.4  
179 16.0 12.3 18.5

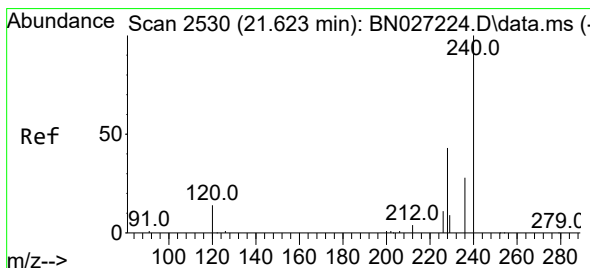
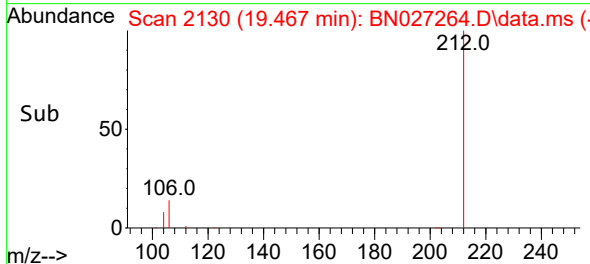
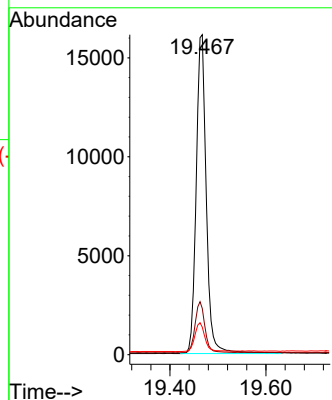
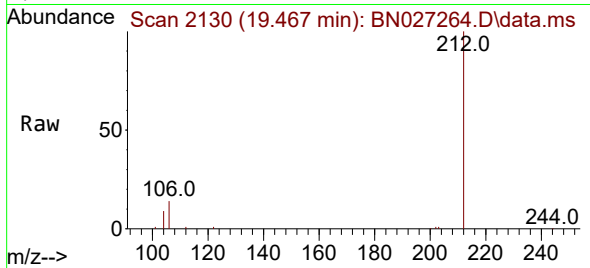




#27  
Fluoranthene-d10  
Concen: 0.539 ng  
RT: 19.467 min Scan# 2130  
Delta R.T. -0.000 min  
Lab File: BN027264.D  
Acq: 30 Aug 2023 06:19

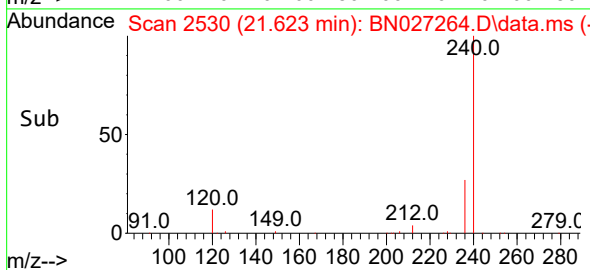
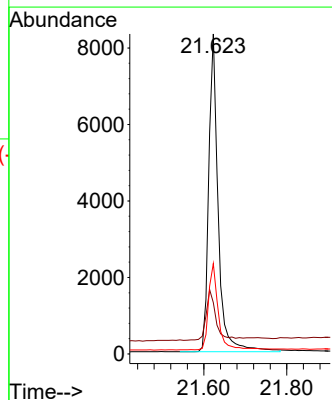
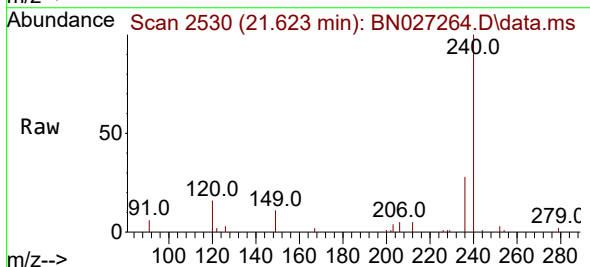
Instrument :  
BNA\_N  
ClientSampleId :  
RW8-MW01S-20230822

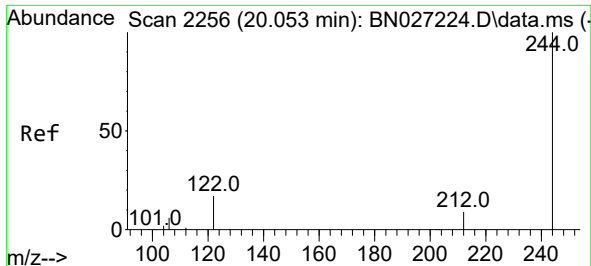
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 15.6  | 12.1  | 18.1  |
| 104     | 9.2   | 6.9   | 10.3  |



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.623 min Scan# 2530  
Delta R.T. -0.000 min  
Lab File: BN027264.D  
Acq: 30 Aug 2023 06:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 16.1  | 14.2  | 21.4  |
| 236     | 28.3  | 22.9  | 34.3  |

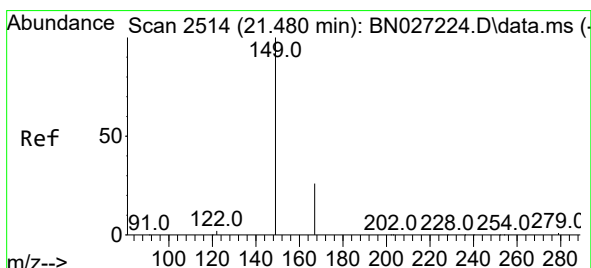
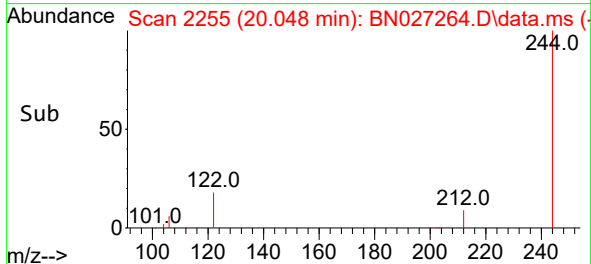
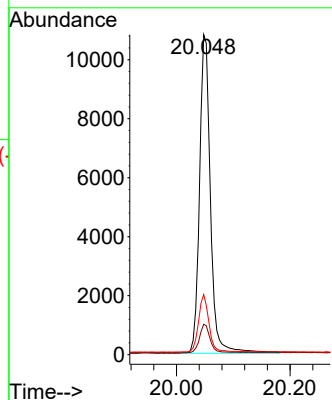
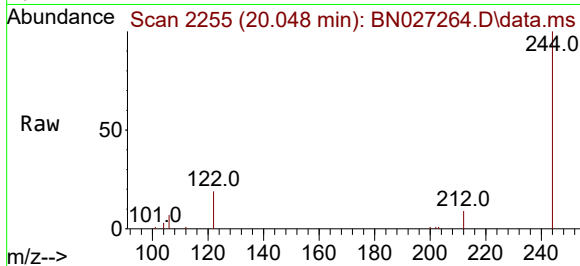




#31  
 Terphenyl-d14  
 Concen: 0.540 ng  
 RT: 20.048 min Scan# 21  
 Delta R.T. -0.005 min  
 Lab File: BN027264.D  
 Acq: 30 Aug 2023 06:19

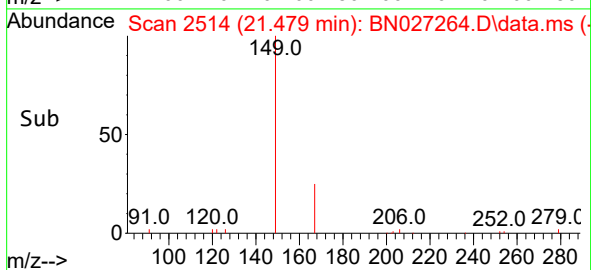
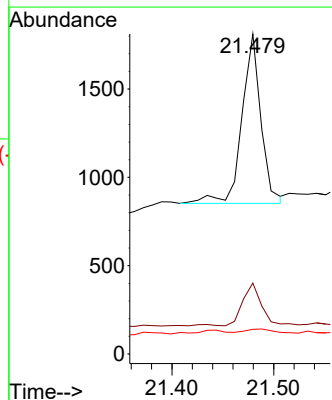
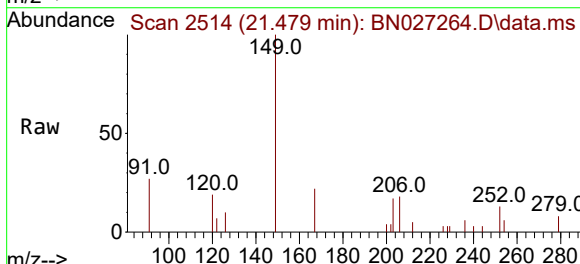
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RW8-MW01S-20230822

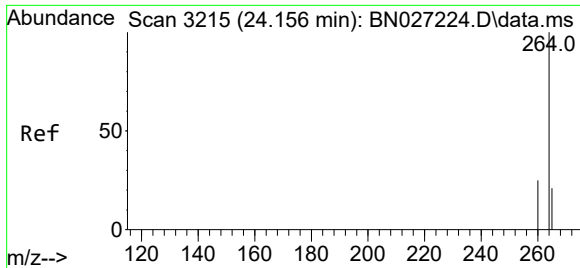
Tgt Ion:244 Resp: 14364  
 Ion Ratio Lower Upper  
 244 100  
 212 9.5 7.5 11.3  
 122 18.8 14.0 21.0



#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.057 ng  
 RT: 21.479 min Scan# 2514  
 Delta R.T. -0.000 min  
 Lab File: BN027264.D  
 Acq: 30 Aug 2023 06:19

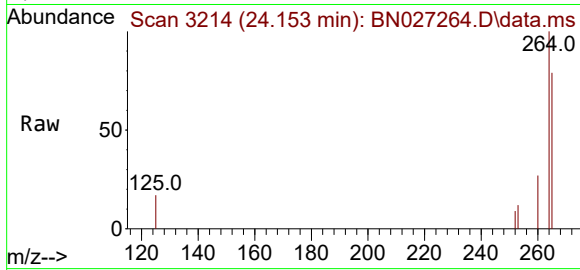
Tgt Ion:149 Resp: 1241  
 Ion Ratio Lower Upper  
 149 100  
 167 25.1 22.1 33.1  
 279 3.6 2.7 4.1





#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.153 min Scan# 31  
 Delta R.T. -0.003 min  
 Lab File: BN027264.D  
 Acq: 30 Aug 2023 06:19

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RW8-MW01S-20230822



Tgt Ion:264 Resp: 11257

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 27.3  | 20.7  | 31.1  |
| 265 | 79.0  | 53.3  | 79.9  |

