

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072024\  
 Data File : BN032884.D  
 Acq On : 20 Jul 2024 19:35  
 Operator : MA/JU  
 Sample : P3307-02  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Jul 22 00:44:42 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN071124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Jul 21 23:33:21 2024  
 Response via : Initial Calibration

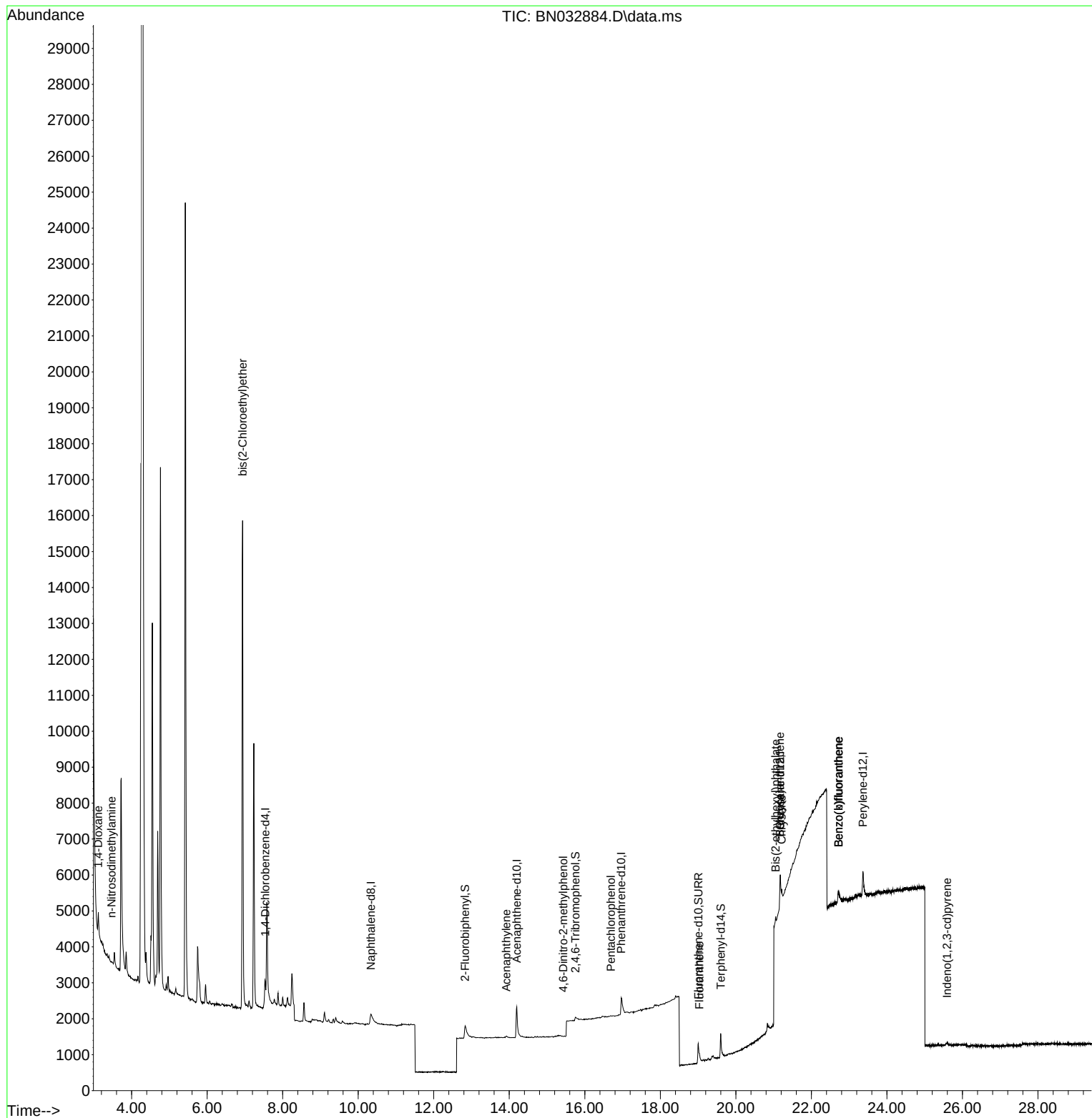
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.538  | 152  | 476      | 0.400 | ng    | # 0.00   |
| 7) Naphthalene-d8             | 10.336 | 136  | 1384     | 0.400 | ng    | # 0.03   |
| 13) Acenaphthene-d10          | 14.199 | 164  | 901      | 0.400 | ng    | 0.02     |
| 19) Phenanthrene-d10          | 16.967 | 188  | 1564     | 0.400 | ng    | # 0.01   |
| 29) Chrysene-d12              | 21.175 | 240  | 1326     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.364 | 264  | 1200     | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.183  | 112  | 23       | 0.019 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.751  | 99   | 3        | 0.002 | ng    | -0.03    |
| 8) Nitrobenzene-d5            | 8.723  | 82   | 4        | 0.004 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 11.828 | 152  | 5        | 0.002 | ng    | -0.09    |
| 14) 2,4,6-Tribromophenol      | 15.750 | 330  | 10       | 0.026 | ng    | 0.02     |
| 15) 2-Fluorobiphenyl          | 12.831 | 172  | 983      | 0.293 | ng    | 0.02     |
| 27) Fluoranthene-d10          | 19.003 | 212  | 940      | 0.232 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.597 | 244  | 1115     | 0.410 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.118  | 88   | 557      | 0.945 | ng    | # 73     |
| 3) n-Nitrosodimethylamine     | 3.464  | 42   | 40       | 0.080 | ng    | # 1      |
| 6) bis(2-Chloroethyl)ether    | 6.938  | 93   | 11027    | 8.823 | ng    | # 54     |
| 16) Acenaphthylene            | 13.921 | 152  | 108      | 0.029 | ng    | # 65     |
| 20) 4,6-Dinitro-2-methylph... | 15.429 | 198  | 3        | 0.302 | ng    | # 1      |
| 24) Pentachlorophenol         | 16.694 | 266  | 13       | 0.034 | ng    | # 49     |
| 28) Fluoranthene              | 19.035 | 202  | 162      | 0.031 | ng    | # 30     |
| 32) Benzo(a)anthracene        | 21.166 | 228  | 153      | 0.036 | ng    | # 1      |
| 33) Chrysene                  | 21.211 | 228  | 325      | 0.065 | ng    | # 22     |
| 34) Bis(2-ethylhexyl)phtha... | 21.050 | 149  | 3551     | 1.530 | ng    | # 86     |
| 36) Indeno(1,2,3-cd)pyrene    | 25.592 | 276  | 118      | 0.025 | ng    | # 78     |
| 37) Benzo(b)fluoranthene      | 22.718 | 252  | 595      | 0.142 | ng    | # 1      |
| 38) Benzo(k)fluoranthene      | 22.718 | 252  | 595      | 0.125 | ng    | # 1      |
| -----                         |        |      |          |       |       |          |

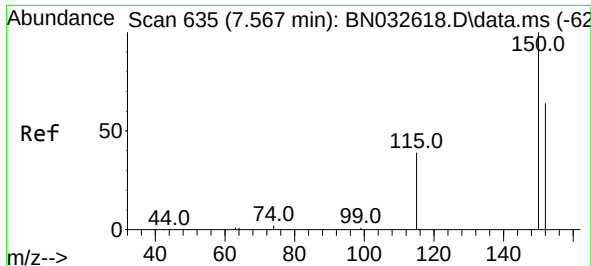
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072024\  
Data File : BN032884.D  
Acq On : 20 Jul 2024 19:35  
Operator : MA/JU  
Sample : P3307-02  
Misc :  
ALS Vial : 51 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :

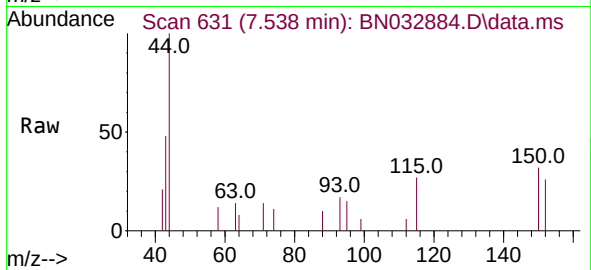
Quant Time: Jul 22 00:44:42 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN071124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Jul 21 23:33:21 2024  
Response via : Initial Calibration



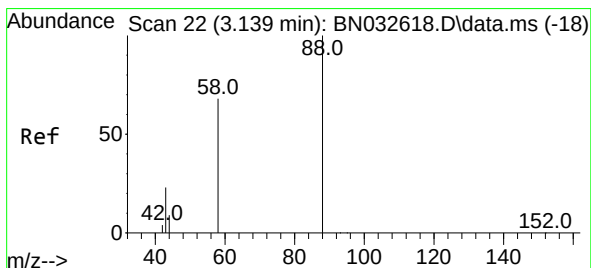
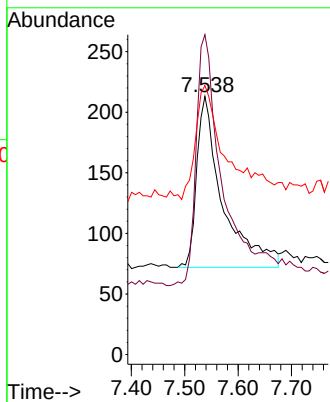
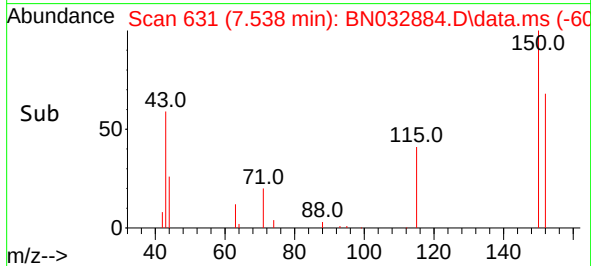


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.538 min Scan# 61  
 Delta R.T. 0.007 min  
 Lab File: BN032884.D  
 Acq: 20 Jul 2024 19:35

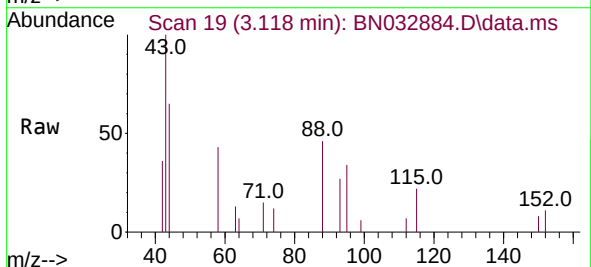
Instrument :  
 BNA\_N  
 ClientSampleId :



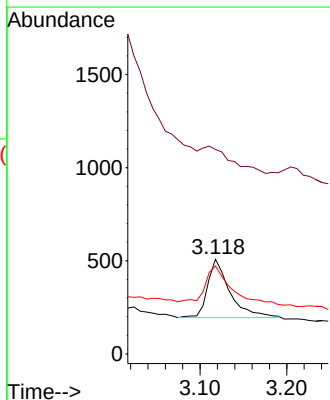
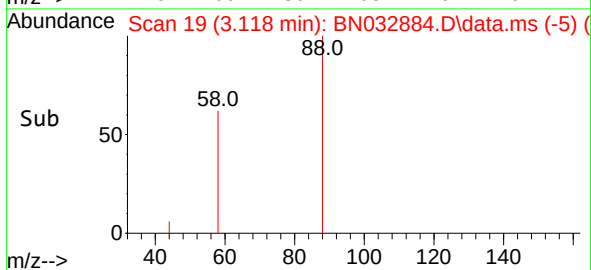
Tgt Ion:152 Resp: 476  
 Ion Ratio Lower Upper  
 152 100  
 150 123.9 123.8 185.6  
 115 104.2 52.8 79.2#

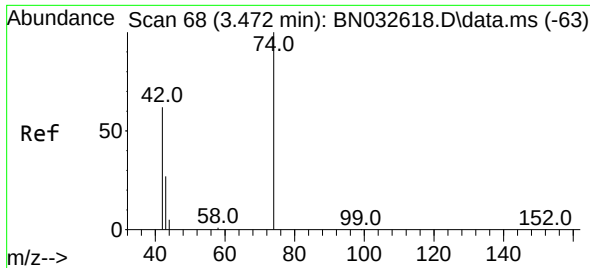


#2  
 1,4-Dioxane  
 Concen: 0.945 ng  
 RT: 3.118 min Scan# 19  
 Delta R.T. 0.000 min  
 Lab File: BN032884.D  
 Acq: 20 Jul 2024 19:35



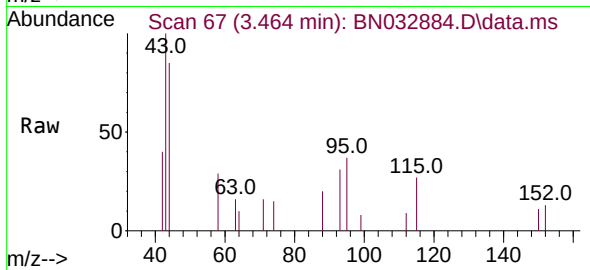
Tgt Ion: 88 Resp: 557  
 Ion Ratio Lower Upper  
 88 100  
 43 0.0 18.4 27.6#  
 58 76.1 49.2 73.8#



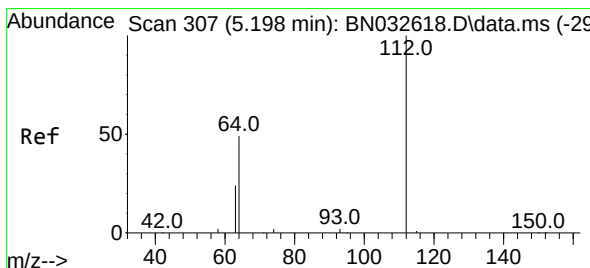
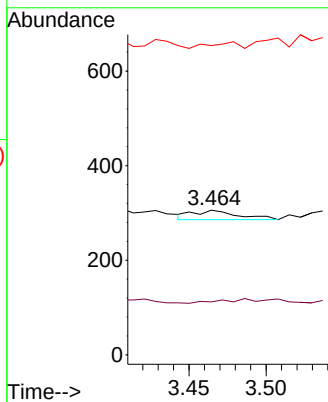
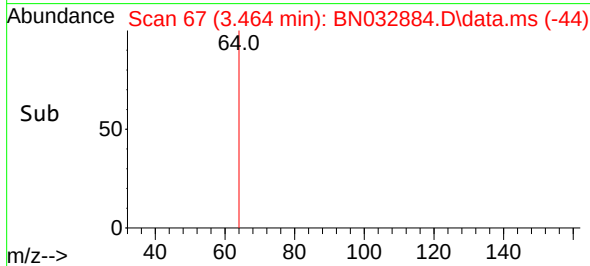


#3  
n-Nitrosodimethylamine  
Concen: 0.080 ng  
RT: 3.464 min Scan# 61  
Delta R.T. 0.015 min  
Lab File: BN032884.D  
Acq: 20 Jul 2024 19:35

Instrument :  
BNA\_N  
ClientSampleId :

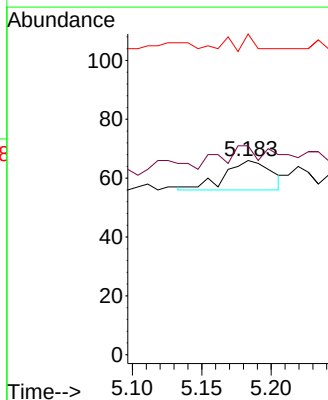
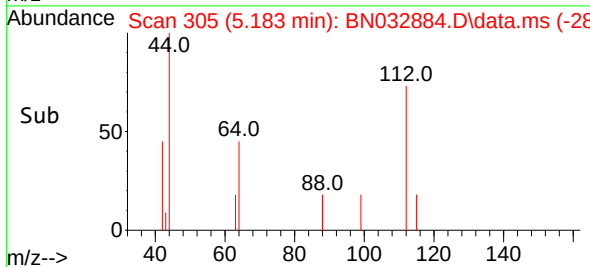
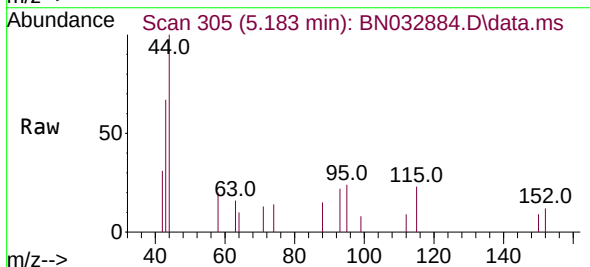


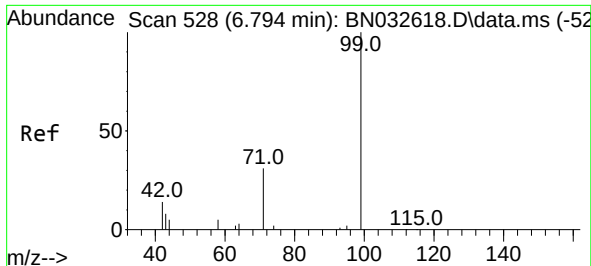
Tgt Ion: 42 Resp: 40  
Ion Ratio Lower Upper  
42 100  
74 0.0 126.9 190.3#  
44 0.0 4.8 7.2#



#4  
2-Fluorophenol  
Concen: 0.019 ng  
RT: 5.183 min Scan# 305  
Delta R.T. 0.007 min  
Lab File: BN032884.D  
Acq: 20 Jul 2024 19:35

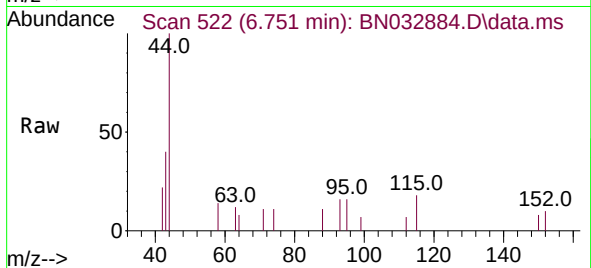
Tgt Ion: 112 Resp: 23  
Ion Ratio Lower Upper  
112 100  
64 56.5 40.2 60.4  
63 8.7 22.2 33.4#



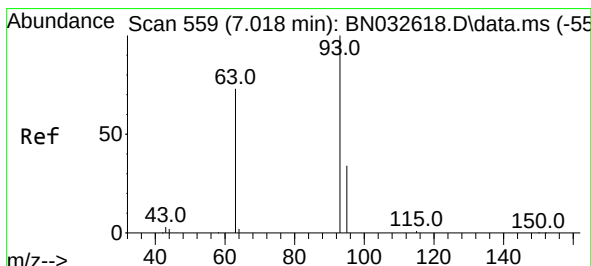
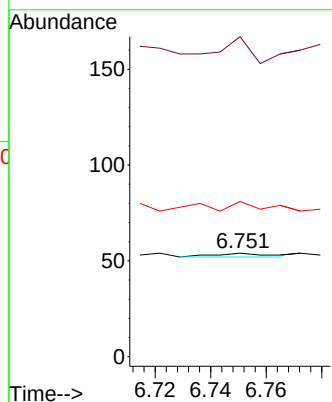
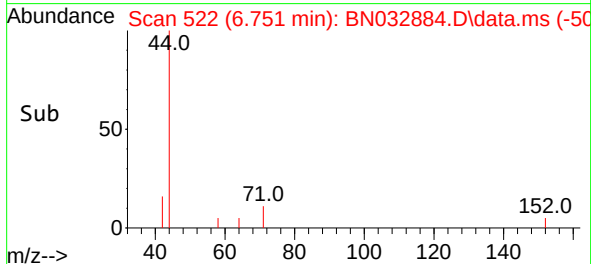


#5  
Phenol-d6  
Concen: 0.002 ng  
RT: 6.751 min Scan# 51  
Delta R.T. -0.029 min  
Lab File: BN032884.D  
Acq: 20 Jul 2024 19:35

Instrument :  
BNA\_N  
ClientSampleId :

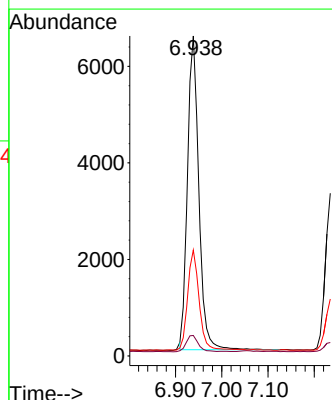
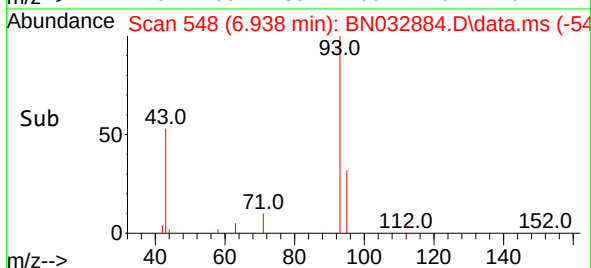
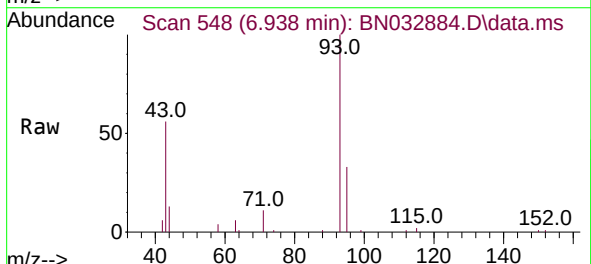


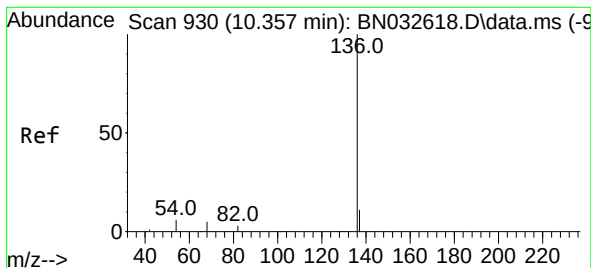
Tgt Ion: 99 Resp: 3  
Ion Ratio Lower Upper  
99 100  
42 0.0 10.5 15.7#  
71 0.0 22.3 33.5#



#6  
bis(2-Chloroethyl)ether  
Concen: 8.823 ng  
RT: 6.938 min Scan# 548  
Delta R.T. -0.050 min  
Lab File: BN032884.D  
Acq: 20 Jul 2024 19:35

Tgt Ion: 93 Resp: 11027  
Ion Ratio Lower Upper  
93 100  
63 5.1 46.4 69.6#  
95 31.5 25.5 38.3





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.336 min Scan# 91

Delta R.T. 0.032 min

Lab File: BN032884.D

Acq: 20 Jul 2024 19:35

Instrument :

BNA\_N

ClientSampleId :

Tgt Ion:136 Resp: 1384

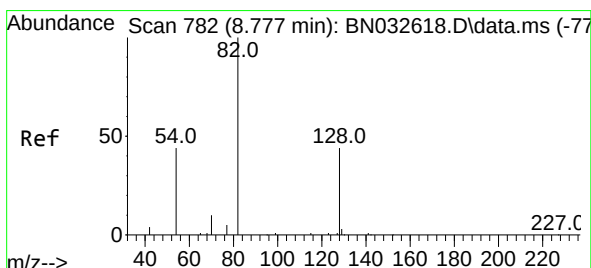
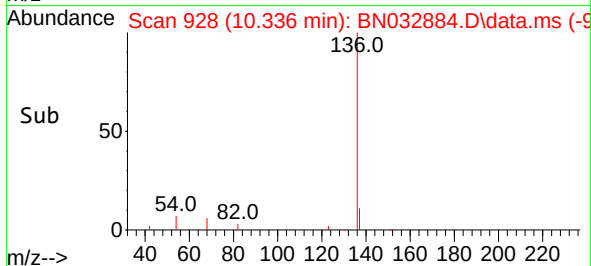
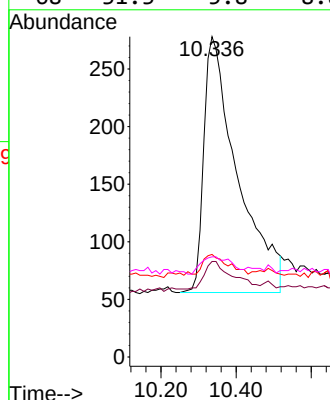
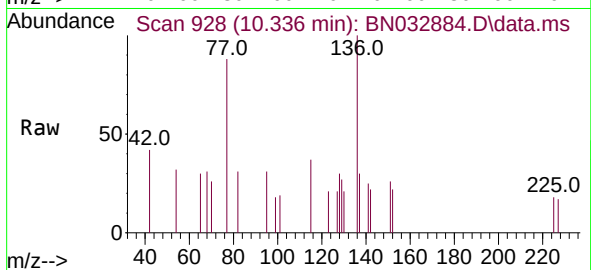
Ion Ratio Lower Upper

136 100

137 29.9 9.9 14.9#

54 32.0 6.5 9.7#

68 31.3 5.8 8.8#



#8

Nitrobenzene-d5

Concen: 0.004 ng

RT: 8.723 min Scan# 777

Delta R.T. -0.011 min

Lab File: BN032884.D

Acq: 20 Jul 2024 19:35

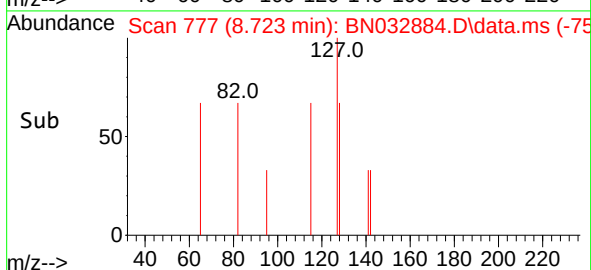
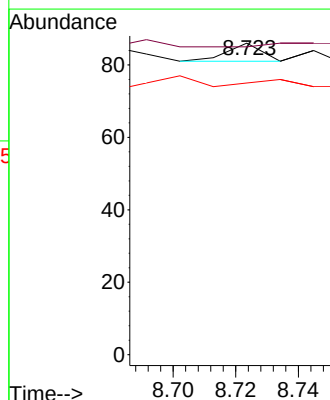
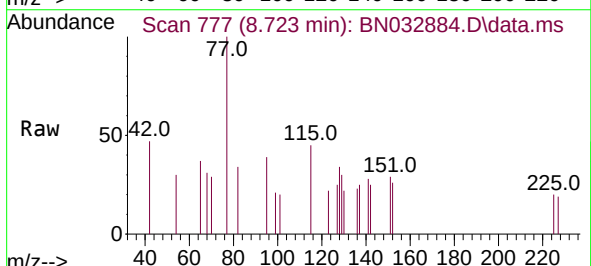
Tgt Ion: 82 Resp: 4

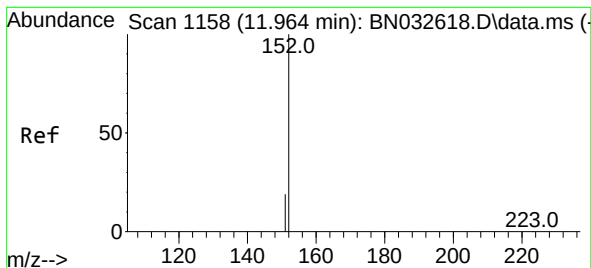
Ion Ratio Lower Upper

82 100

128 98.8 41.7 62.5#

54 87.2 39.5 59.3#

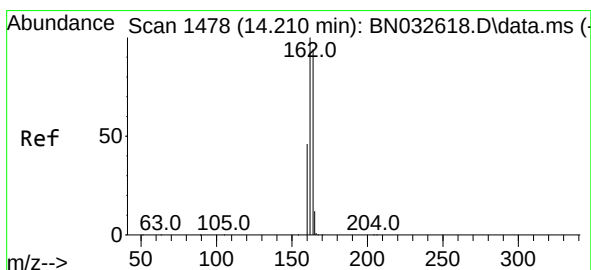
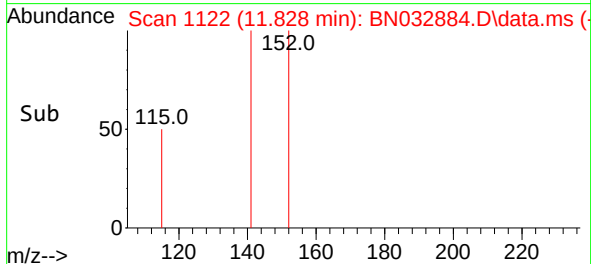
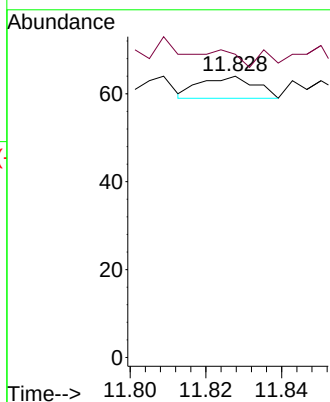
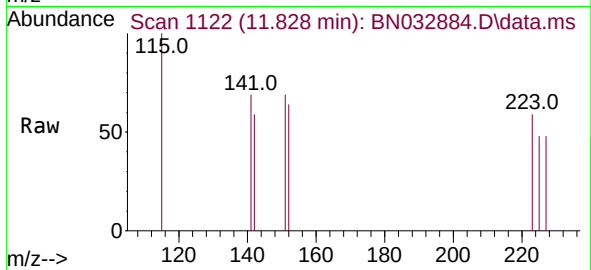




#11  
2-Methylnaphthalene-d10  
Concen: 0.002 ng  
RT: 11.828 min Scan# 1158  
Delta R.T. -0.087 min  
Lab File: BN032884.D  
Acq: 20 Jul 2024 19:35

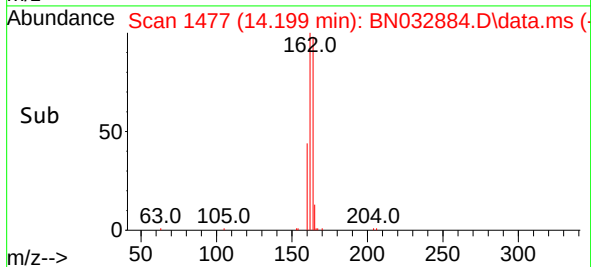
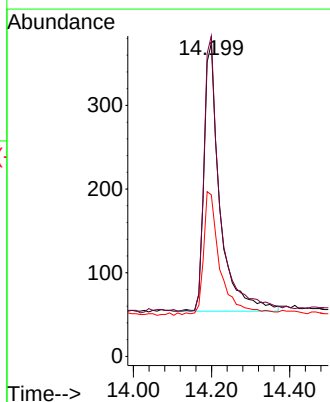
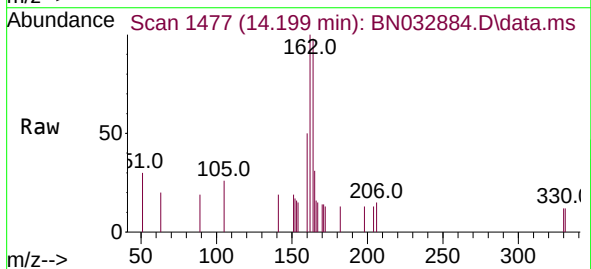
Instrument :  
BNA\_N  
ClientSampleId :

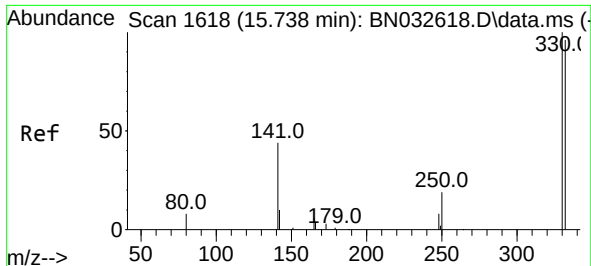
Tgt Ion:152 Resp: 5  
Ion Ratio Lower Upper  
152 100  
151 20.0 16.2 24.2



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.199 min Scan# 1477  
Delta R.T. 0.021 min  
Lab File: BN032884.D  
Acq: 20 Jul 2024 19:35

Tgt Ion:164 Resp: 901  
Ion Ratio Lower Upper  
164 100  
162 102.4 85.0 127.4  
160 51.6 39.4 59.2

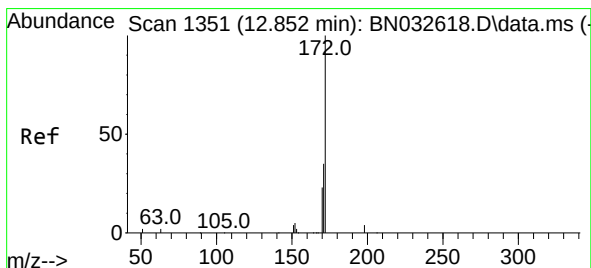
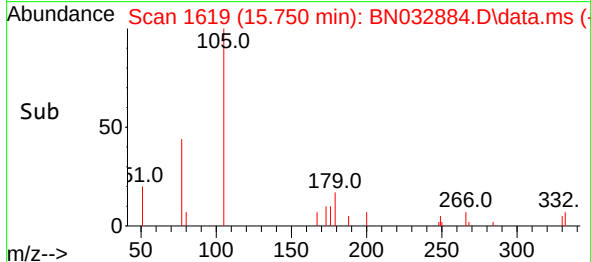
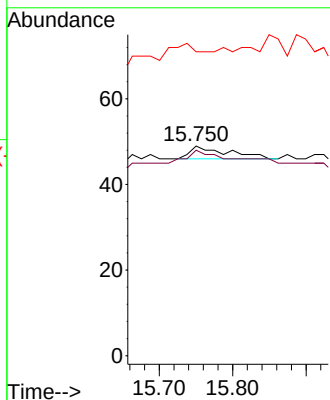
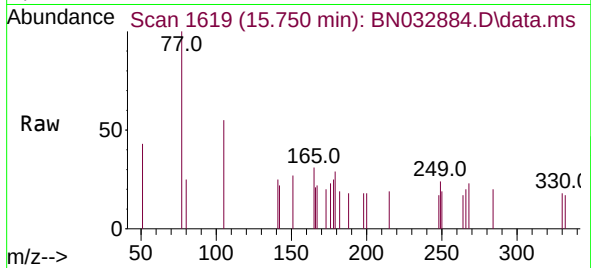




#14  
2,4,6-Tribromophenol  
Concen: 0.026 ng  
RT: 15.750 min Scan# 1  
Delta R.T. 0.025 min  
Lab File: BN032884.D  
Acq: 20 Jul 2024 19:35

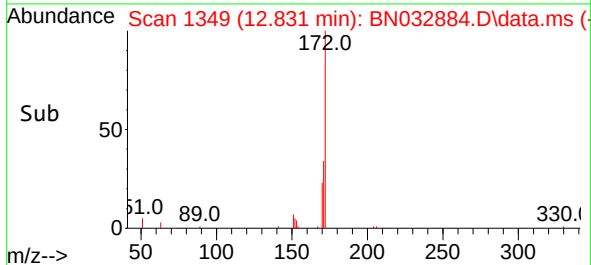
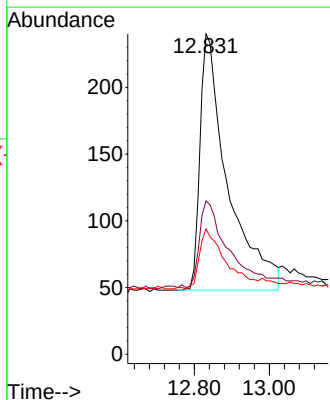
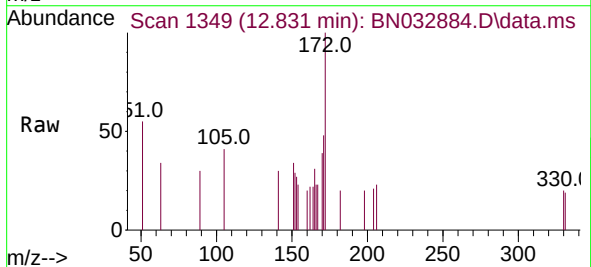
Instrument :  
BNA\_N  
ClientSampleId :

Tgt Ion:330 Resp: 10  
Ion Ratio Lower Upper  
330 100  
332 110.0 77.8 116.8  
141 100.0 34.2 51.2#

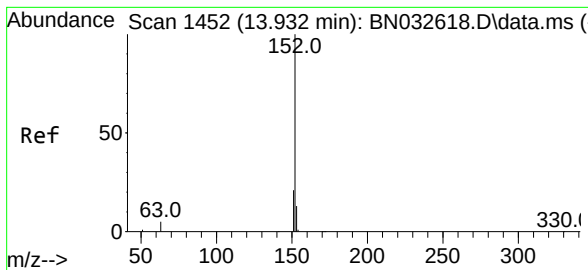


#15  
2-Fluorobiphenyl  
Concen: 0.293 ng  
RT: 12.831 min Scan# 1349  
Delta R.T. 0.021 min  
Lab File: BN032884.D  
Acq: 20 Jul 2024 19:35

Tgt Ion:172 Resp: 983  
Ion Ratio Lower Upper  
172 100  
171 47.9 28.6 43.0#  
170 39.2 19.0 28.6#



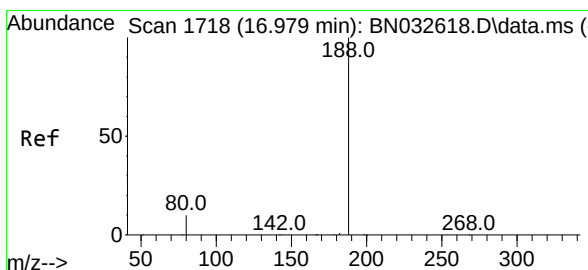
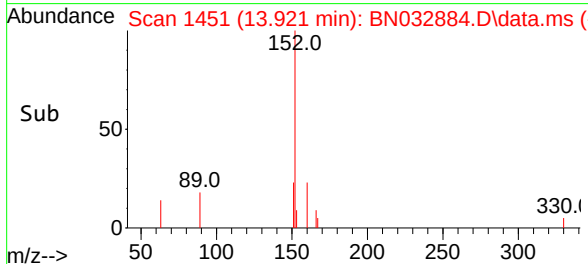
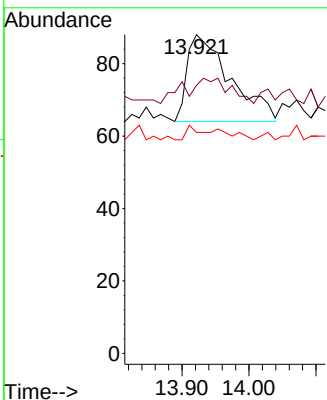
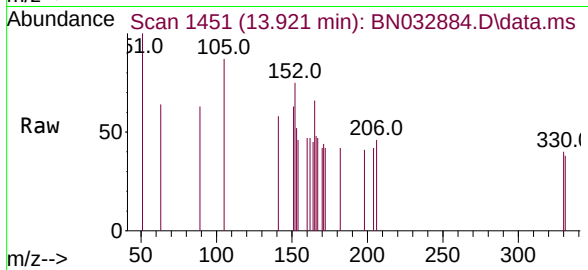




#16  
Acenaphthylene  
Concen: 0.029 ng  
RT: 13.921 min Scan# 1451  
Delta R.T. 0.021 min  
Lab File: BN032884.D  
Acq: 20 Jul 2024 19:35

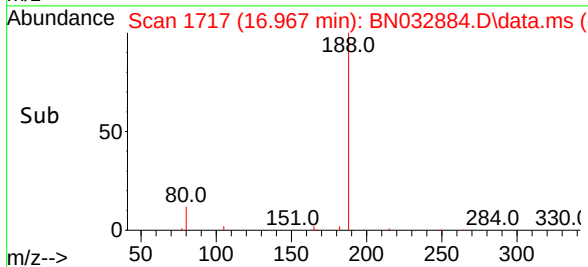
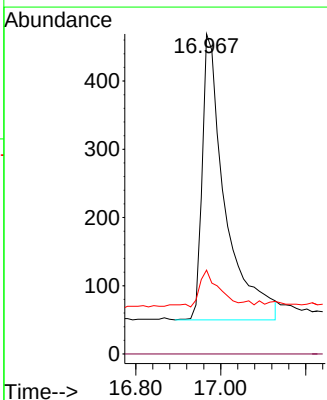
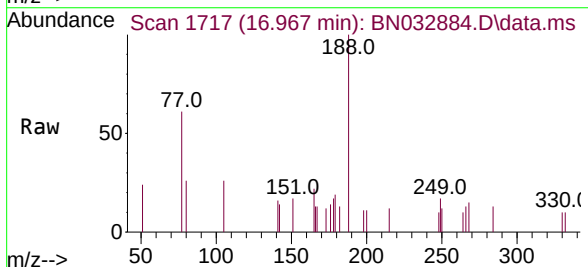
Instrument :  
BNA\_N  
ClientSampleId :

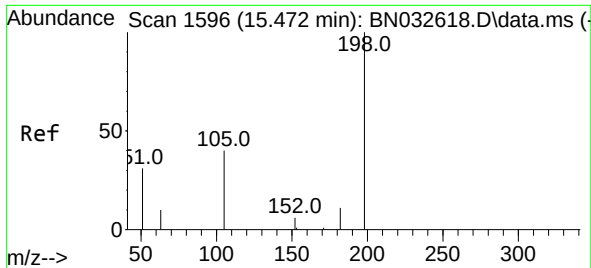
Tgt Ion:152 Resp: 108  
Ion Ratio Lower Upper  
152 100  
151 0.0 16.0 24.0#  
153 4.6 10.6 15.8#



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.967 min Scan# 1717  
Delta R.T. 0.012 min  
Lab File: BN032884.D  
Acq: 20 Jul 2024 19:35

Tgt Ion:188 Resp: 1564  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 26.2 8.8 13.2#

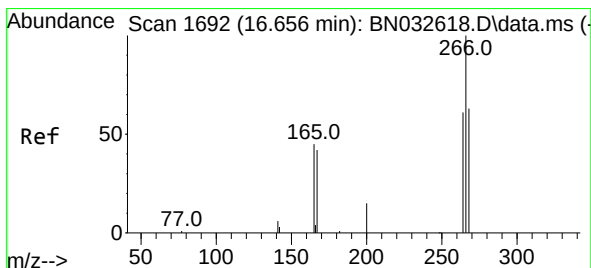
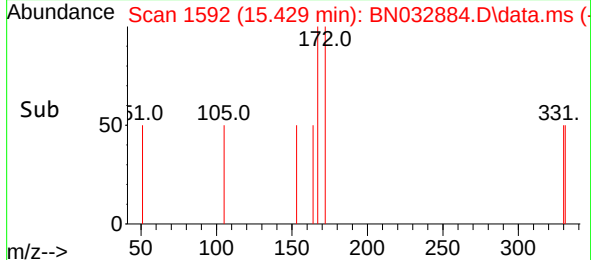
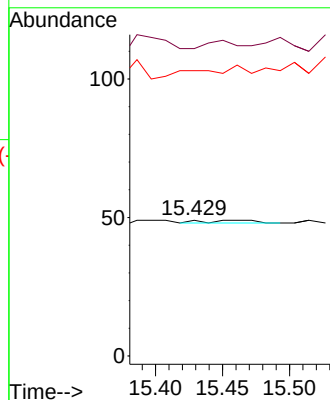
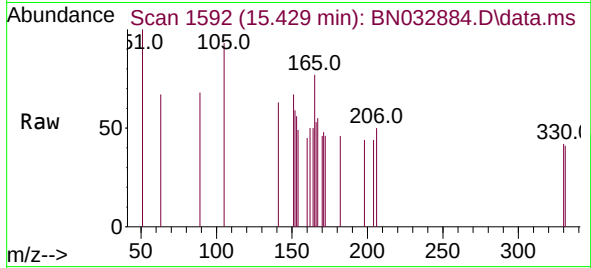




#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.302 ng  
RT: 15.429 min Scan# 1596  
Delta R.T. -0.043 min  
Lab File: BN032884.D  
Acq: 20 Jul 2024 19:35

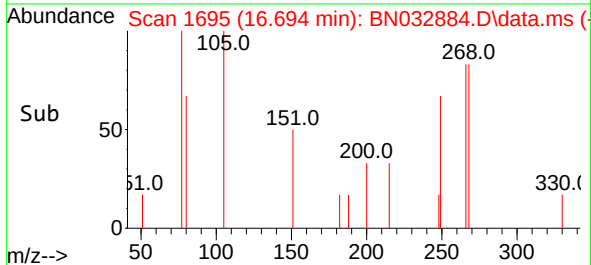
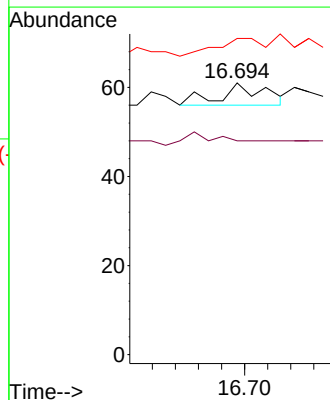
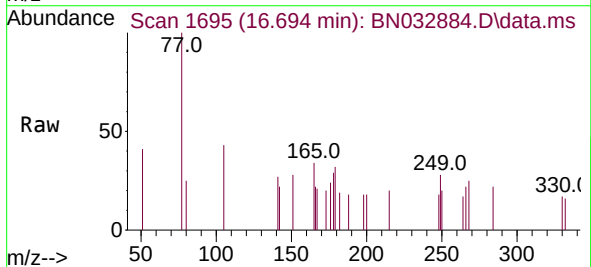
Instrument :  
BNA\_N  
ClientSampleId :

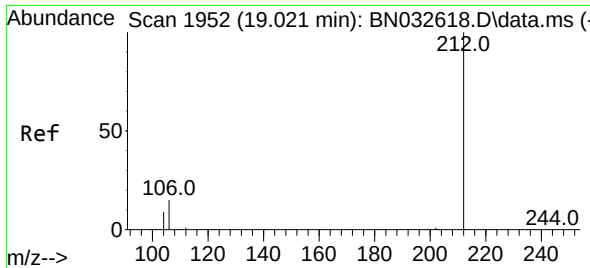
Tgt Ion:198 Resp: 3  
Ion Ratio Lower Upper  
198 100  
51 226.5 105.7 158.5#  
105 210.2 63.0 94.6#



#24  
Pentachlorophenol  
Concen: 0.034 ng  
RT: 16.694 min Scan# 1695  
Delta R.T. 0.050 min  
Lab File: BN032884.D  
Acq: 20 Jul 2024 19:35

Tgt Ion:266 Resp: 13  
Ion Ratio Lower Upper  
266 100  
264 0.0 50.2 75.2#  
268 84.6 52.8 79.2#

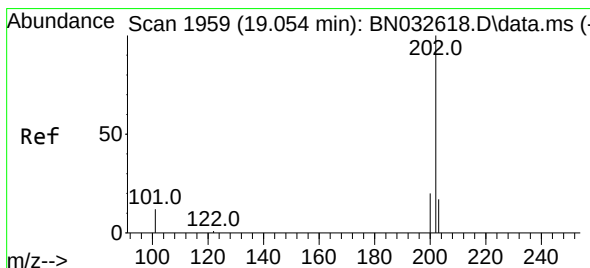
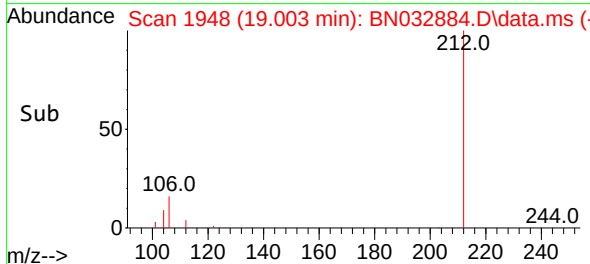
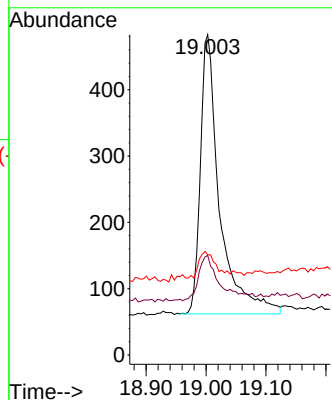
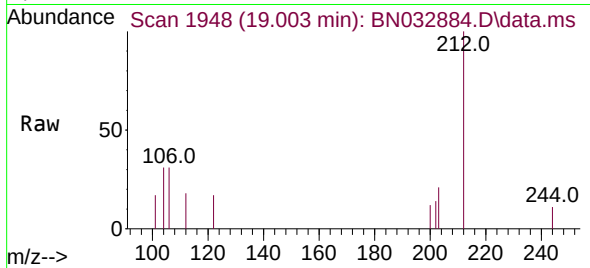




#27  
Fluoranthene-d10  
Concen: 0.232 ng  
RT: 19.003 min Scan# 1948  
Delta R.T. 0.009 min  
Lab File: BN032884.D  
Acq: 20 Jul 2024 19:35

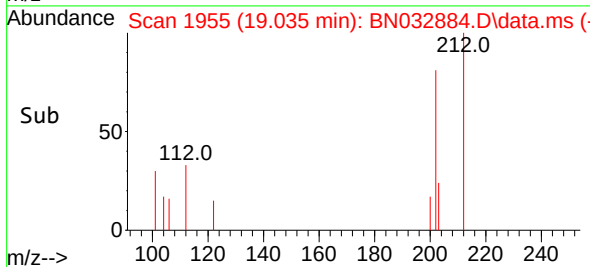
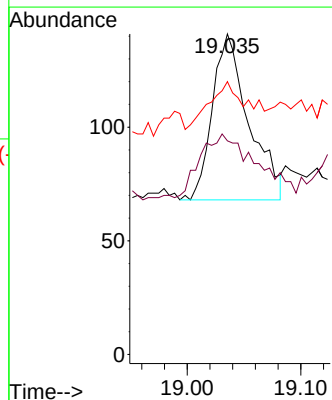
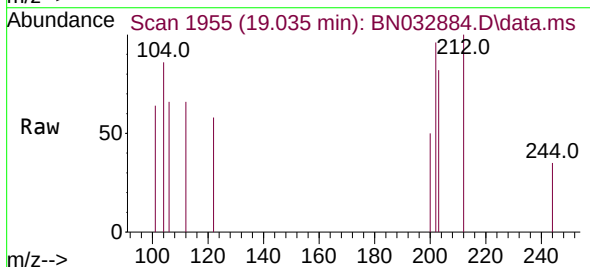
Instrument :  
BNA\_N  
ClientSampleId :

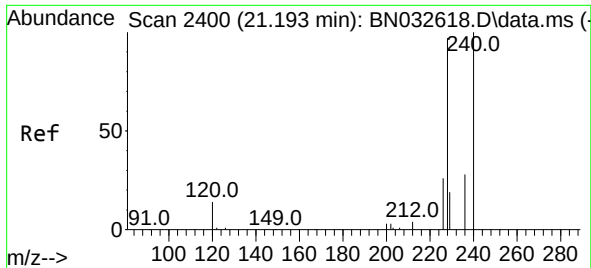
Tgt Ion:212 Resp: 940  
Ion Ratio Lower Upper  
212 100  
106 18.2 11.9 17.9#  
104 8.4 6.9 10.3



#28  
Fluoranthene  
Concen: 0.031 ng  
RT: 19.035 min Scan# 1955  
Delta R.T. 0.014 min  
Lab File: BN032884.D  
Acq: 20 Jul 2024 19:35

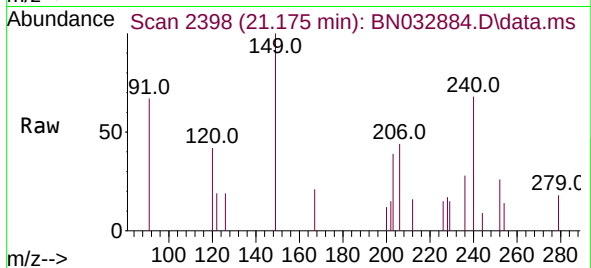
Tgt Ion:202 Resp: 162  
Ion Ratio Lower Upper  
202 100  
101 59.9 9.6 14.4#  
203 31.5 13.8 20.6#



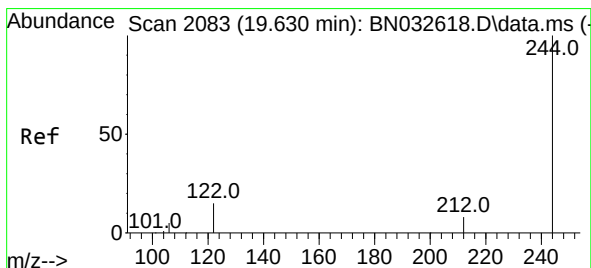
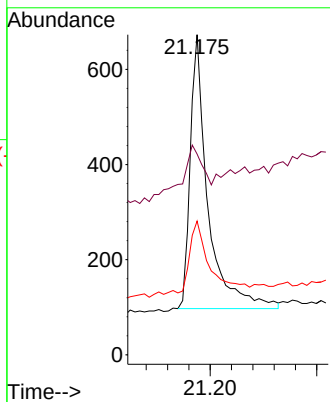
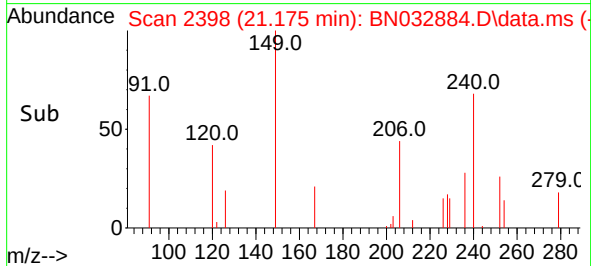


#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.175 min Scan# 21  
Delta R.T. 0.009 min  
Lab File: BN032884.D  
Acq: 20 Jul 2024 19:35

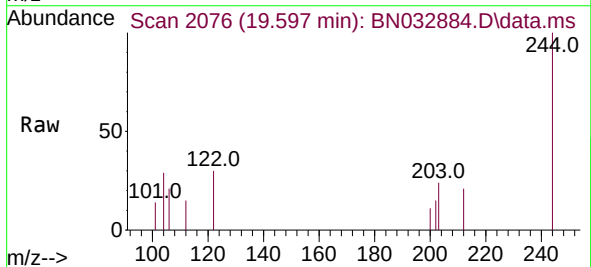
Instrument :  
BNA\_N  
ClientSampleId :



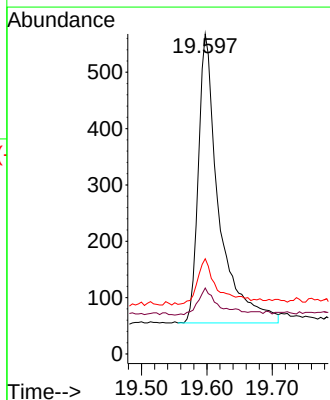
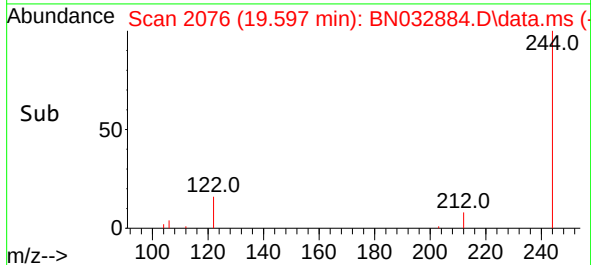
Tgt Ion:240 Resp: 1326  
Ion Ratio Lower Upper  
240 100  
120 62.7 14.8 22.2#  
236 41.8 23.3 34.9#

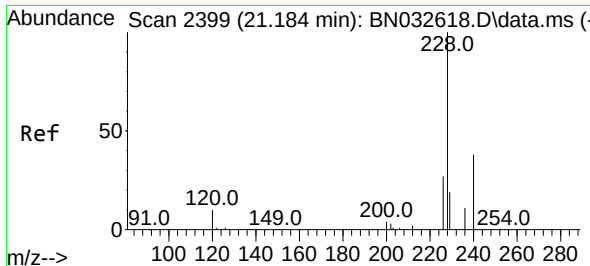


#31  
Terphenyl-d14  
Concen: 0.410 ng  
RT: 19.597 min Scan# 2076  
Delta R.T. 0.005 min  
Lab File: BN032884.D  
Acq: 20 Jul 2024 19:35



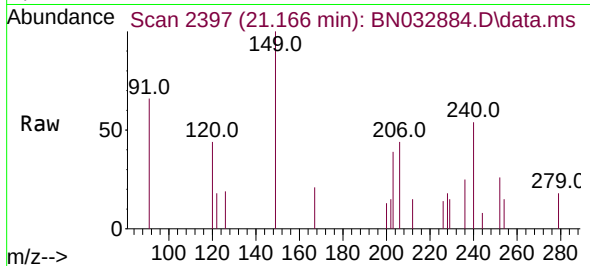
Tgt Ion:244 Resp: 1115  
Ion Ratio Lower Upper  
244 100  
212 20.6 7.5 11.3#  
122 29.8 12.6 19.0#



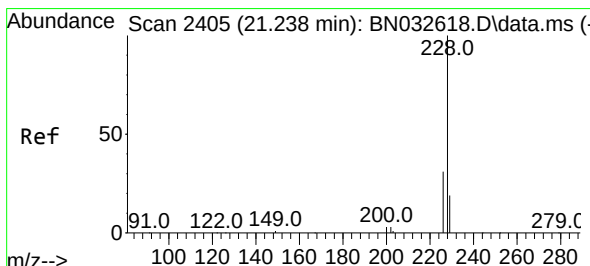
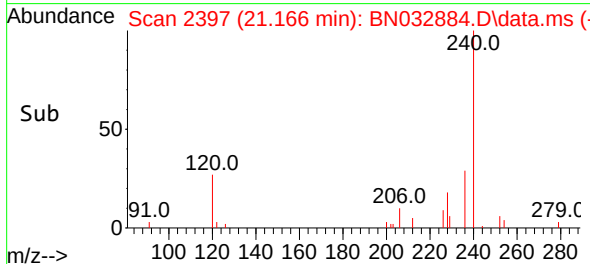
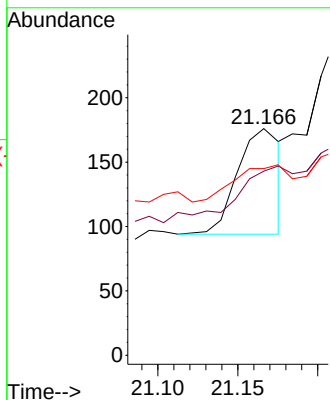


#32  
Benzo(a)anthracene  
Concen: 0.036 ng  
RT: 21.166 min Scan# 21  
Delta R.T. 0.018 min  
Lab File: BN032884.D  
Acq: 20 Jul 2024 19:35

Instrument :  
BNA\_N  
ClientSampleId :

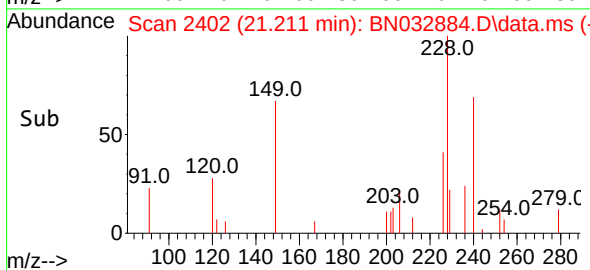
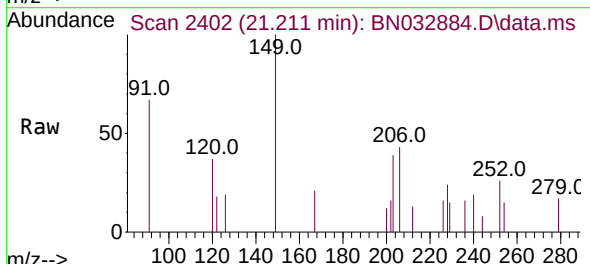
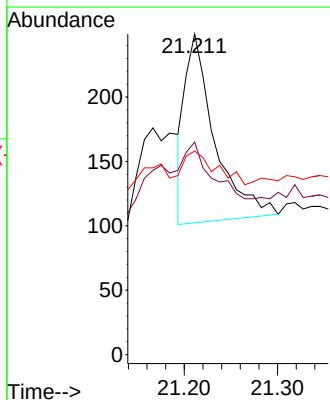


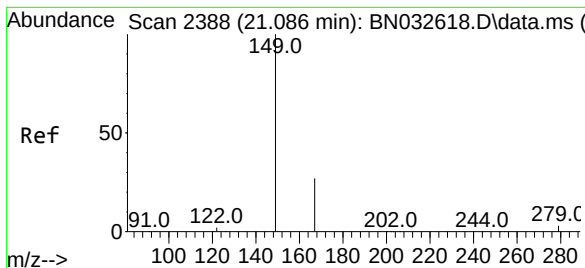
Tgt Ion:228 Resp: 153  
Ion Ratio Lower Upper  
228 100  
226 81.2 21.8 32.6#  
229 82.4 16.0 24.0#



#33  
Chrysene  
Concen: 0.065 ng  
RT: 21.211 min Scan# 2402  
Delta R.T. 0.009 min  
Lab File: BN032884.D  
Acq: 20 Jul 2024 19:35

Tgt Ion:228 Resp: 325  
Ion Ratio Lower Upper  
228 100  
226 66.3 24.2 36.2#  
229 63.5 16.0 24.0#

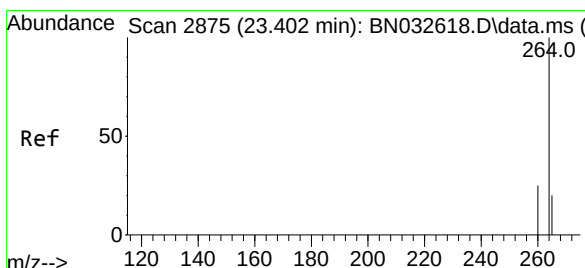
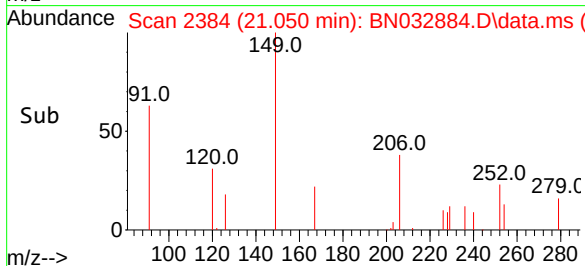
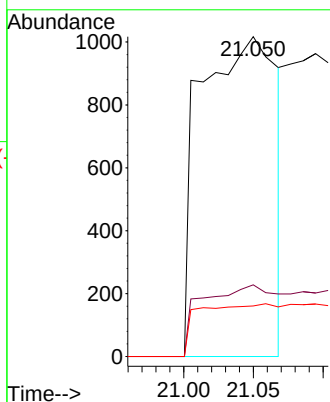
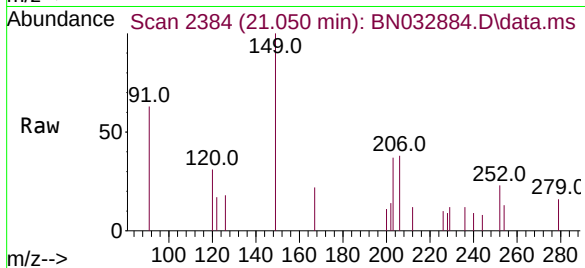




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 1.530 ng  
 RT: 21.050 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BN032884.D  
 Acq: 20 Jul 2024 19:35

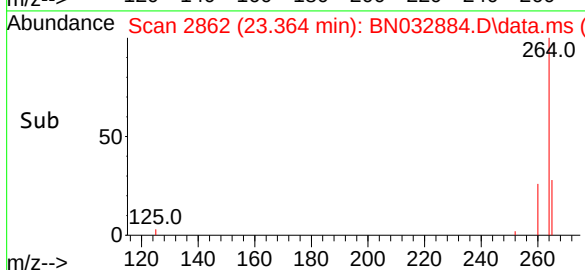
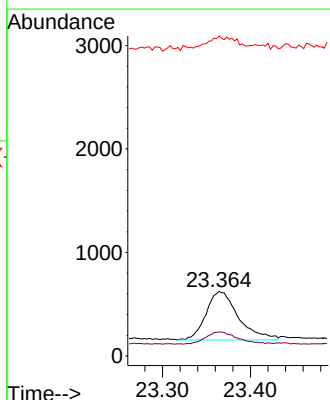
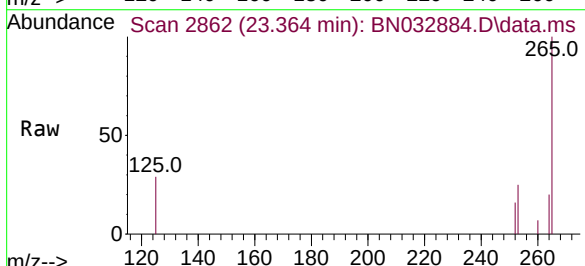
Instrument :  
 BNA\_N  
 ClientSampleId :

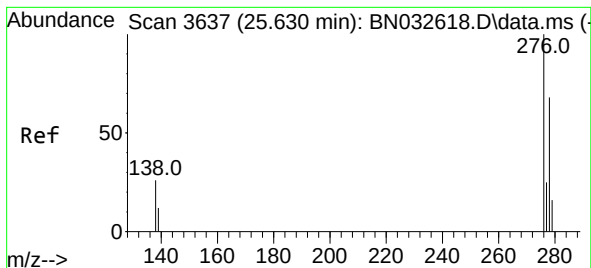
Tgt Ion:149 Resp: 3551  
 Ion Ratio Lower Upper  
 149 100  
 167 21.6 21.4 32.2  
 279 17.0 2.8 4.2#



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.364 min Scan# 2862  
 Delta R.T. 0.006 min  
 Lab File: BN032884.D  
 Acq: 20 Jul 2024 19:35

Tgt Ion:264 Resp: 1200  
 Ion Ratio Lower Upper  
 264 100  
 260 37.0 20.9 31.3#  
 265 495.5 85.4 128.2#





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.025 ng

RT: 25.592 min Scan# 30

Delta R.T. 0.023 min

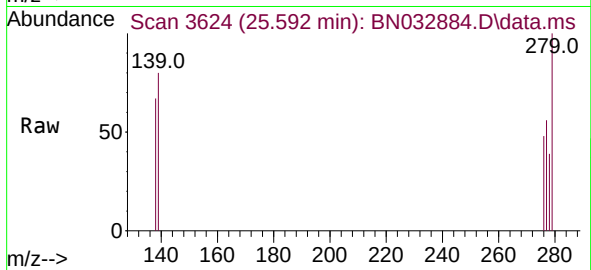
Lab File: BN032884.D

Acq: 20 Jul 2024 19:35

Instrument :

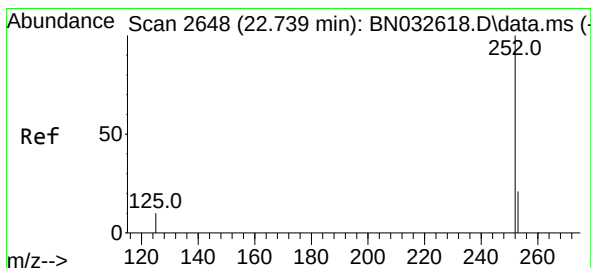
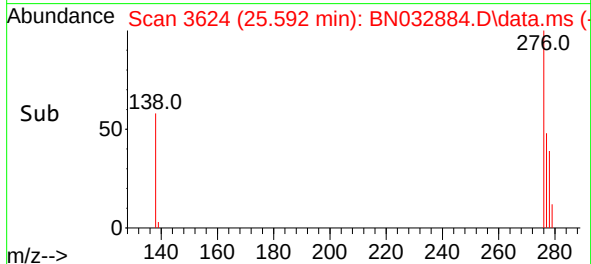
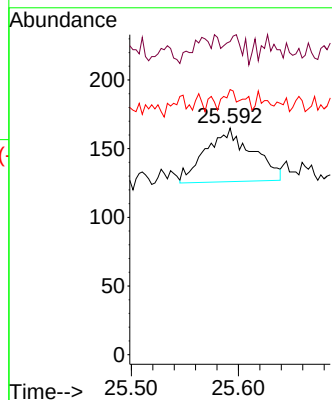
BNA\_N

ClientSampleId :



Tgt Ion:276 Resp: 118

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 17.8  | 21.0  | 31.4# |
| 277 | 10.2  | 19.5  | 29.3# |



#37

Benzo(b)fluoranthene

Concen: 0.142 ng

RT: 22.718 min Scan# 2641

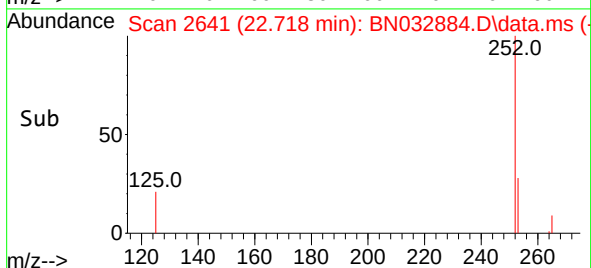
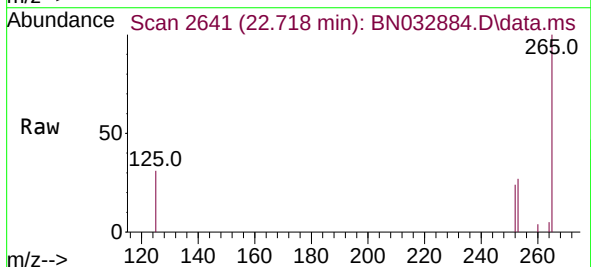
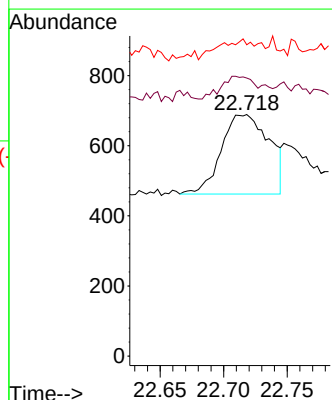
Delta R.T. 0.018 min

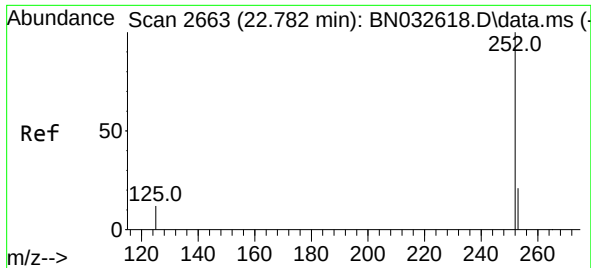
Lab File: BN032884.D

Acq: 20 Jul 2024 19:35

Tgt Ion:252 Resp: 595

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 115.1 | 22.3  | 33.5# |
| 125 | 128.9 | 15.4  | 23.2# |





#38

Benzo(k)fluoranthene

Concen: 0.125 ng

RT: 22.718 min Scan# 20

Delta R.T. -0.026 min

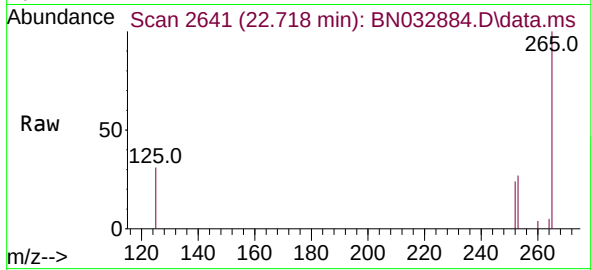
Lab File: BN032884.D

Acq: 20 Jul 2024 19:35

Instrument :

BNA\_N

ClientSampleId :



Tgt Ion:252 Resp: 595

Ion Ratio Lower Upper

252 100

253 115.1 22.6 34.0#

125 128.9 16.2 24.4#

