

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092624\  
 Data File : BN034255.D  
 Acq On : 26 Sep 2024 21:35  
 Operator : RC/JU  
 Sample : P4164-16  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DUP06-20240919

Quant Time: Sep 27 01:02:50 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 26 14:44:02 2024  
 Response via : Initial Calibration

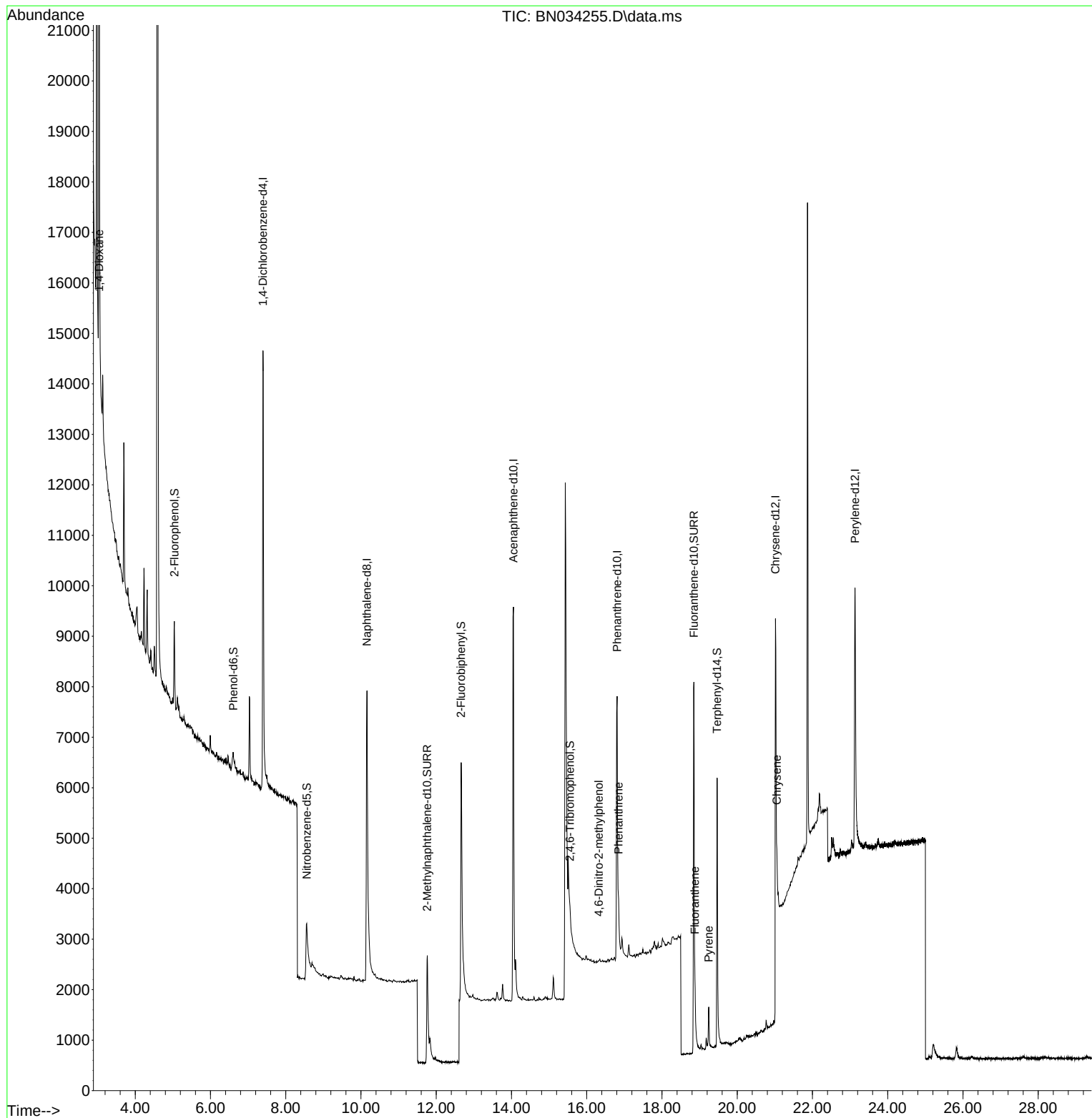
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.394  | 152  | 4703     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.159 | 136  | 11855    | 0.400 | ng    | # 0.01   |
| 13) Acenaphthene-d10          | 14.051 | 164  | 6067     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 16.808 | 188  | 10843    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.017 | 240  | 8011     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.130 | 264  | 8263     | 0.400 | ng    | # 0.00   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.040  | 112  | 1370     | 0.103 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.607  | 99   | 494      | 0.032 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.557  | 82   | 2067     | 0.228 | ng    | 0.02     |
| 11) 2-Methylnaphthalene-d10   | 11.761 | 152  | 4869     | 0.278 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.555 | 330  | 227      | 0.083 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.661 | 172  | 7033     | 0.285 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 18.848 | 212  | 10112    | 0.370 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.466 | 244  | 6178     | 0.386 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.039  | 88   | 8765     | 1.491 | ng    | # 77     |
| 20) 4,6-Dinitro-2-methylph... | 16.324 | 198  | 4        | 0.140 | ng    | # 1      |
| 25) Phenanthrene              | 16.846 | 178  | 807      | 0.026 | ng    | # 96     |
| 28) Fluoranthene              | 18.876 | 202  | 833      | 0.023 | ng    | 98       |
| 30) Pyrene                    | 19.243 | 202  | 851      | 0.025 | ng    | 97       |
| 33) Chrysene                  | 21.053 | 228  | 667      | 0.022 | ng    | # 78     |
| -----                         |        |      |          |       |       |          |

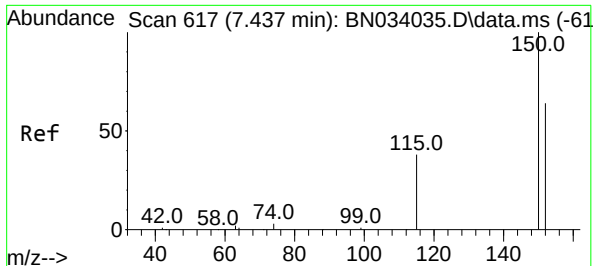
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092624\  
Data File : BN034255.D  
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Sample : P4164-16  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
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DUP06-20240919

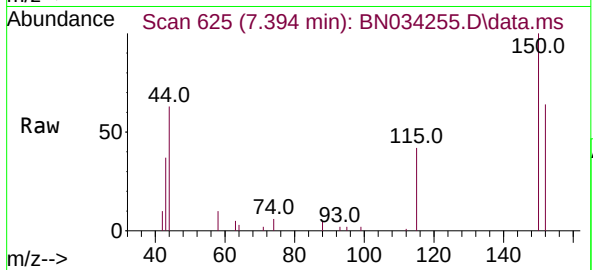
Quant Time: Sep 27 01:02:50 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 26 14:44:02 2024  
Response via : Initial Calibration



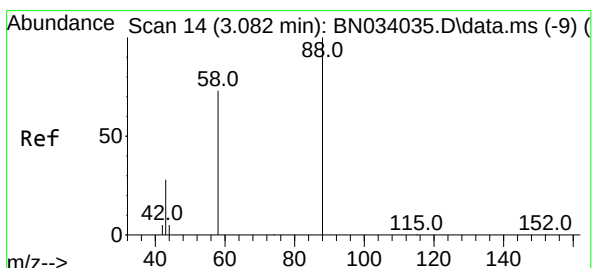
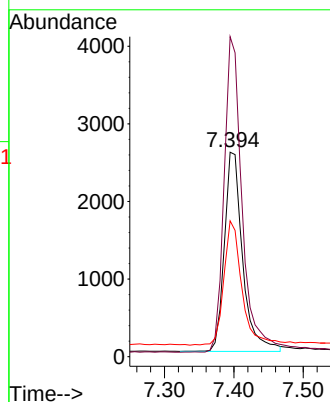
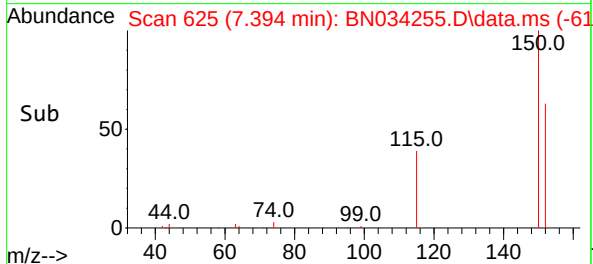


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.394 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: BN034255.D  
 Acq: 26 Sep 2024 21:35

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DUP06-20240919

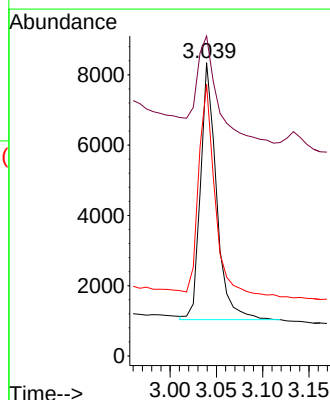
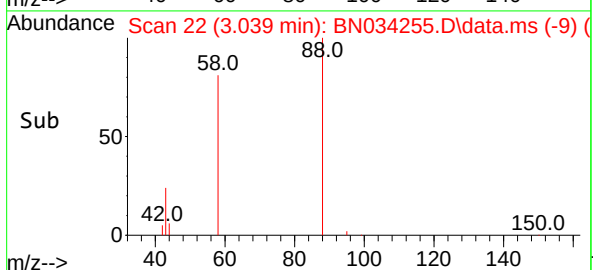
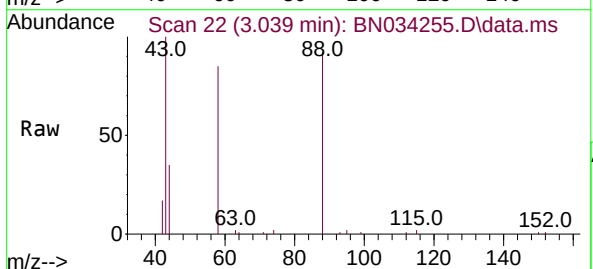


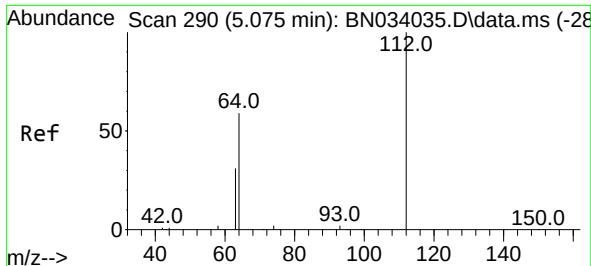
Tgt Ion:152 Resp: 4703  
 Ion Ratio Lower Upper  
 152 100  
 150 156.5 124.6 187.0  
 115 66.4 50.0 75.0



#2  
 1,4-Dioxane  
 Concen: 1.491 ng  
 RT: 3.039 min Scan# 22  
 Delta R.T. -0.007 min  
 Lab File: BN034255.D  
 Acq: 26 Sep 2024 21:35

Tgt Ion: 88 Resp: 8765  
 Ion Ratio Lower Upper  
 88 100  
 43 54.7 25.8 38.8#  
 58 86.4 58.8 88.2

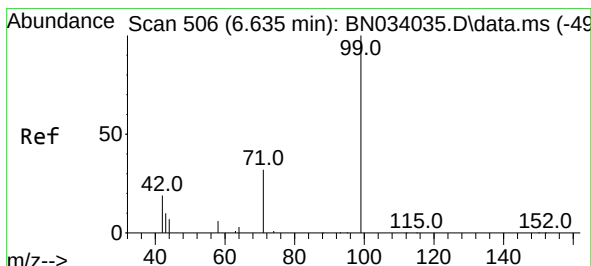
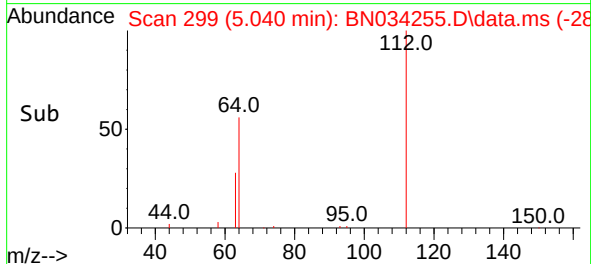
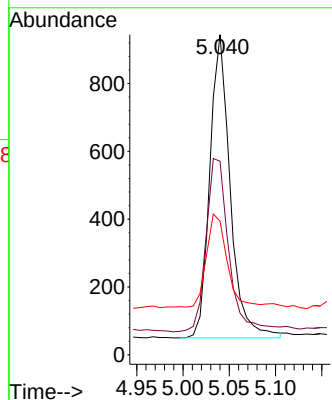
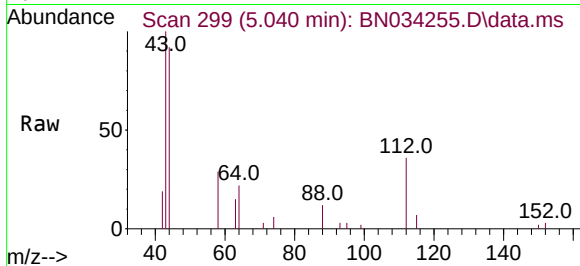




#4  
2-Fluorophenol  
Concen: 0.103 ng  
RT: 5.040 min Scan# 290  
Delta R.T. 0.007 min  
Lab File: BN034255.D  
Acq: 26 Sep 2024 21:35

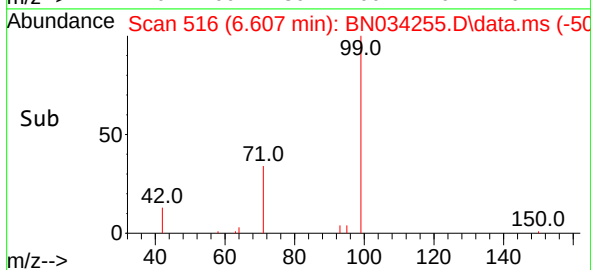
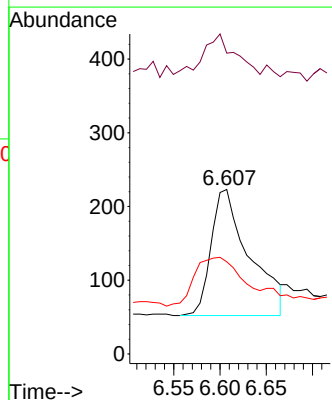
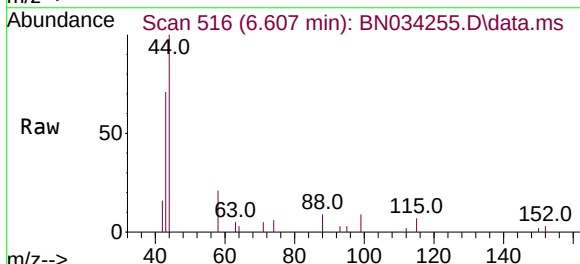
Instrument :  
BNA\_N  
ClientSampleId :  
DUP06-20240919

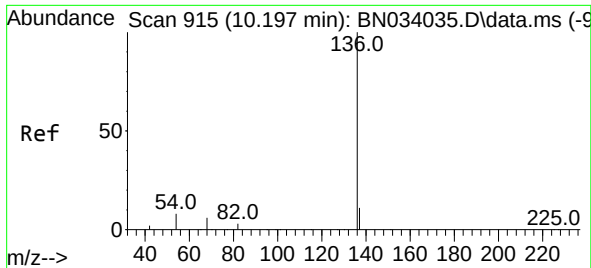
Tgt Ion:112 Resp: 1370  
Ion Ratio Lower Upper  
112 100  
64 63.6 48.6 72.8  
63 30.5 25.6 38.4



#5  
Phenol-d6  
Concen: 0.032 ng  
RT: 6.607 min Scan# 516  
Delta R.T. 0.007 min  
Lab File: BN034255.D  
Acq: 26 Sep 2024 21:35

Tgt Ion: 99 Resp: 494  
Ion Ratio Lower Upper  
99 100  
42 24.9 17.8 26.8  
71 52.6 26.2 39.2#

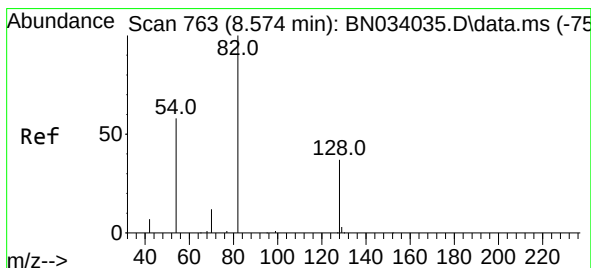
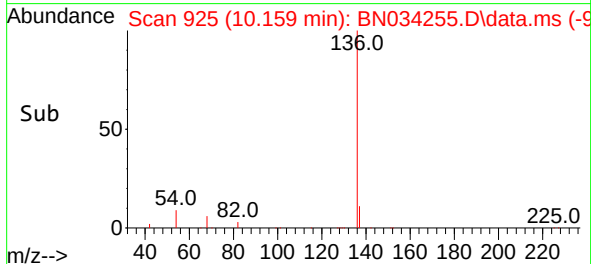
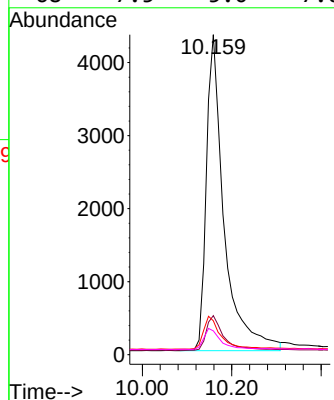
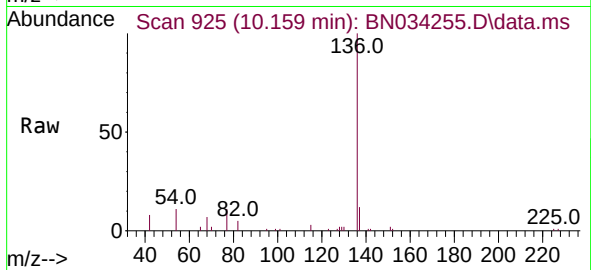




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.159 min Scan# 915  
Delta R.T. 0.011 min  
Lab File: BN034255.D  
Acq: 26 Sep 2024 21:35

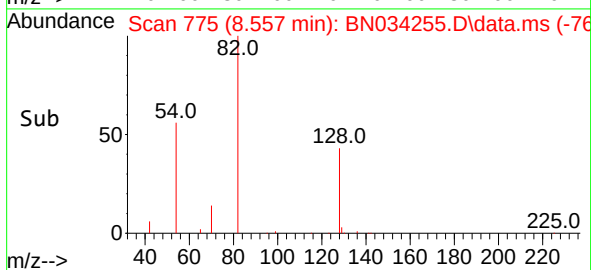
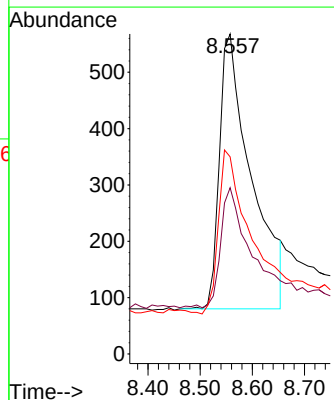
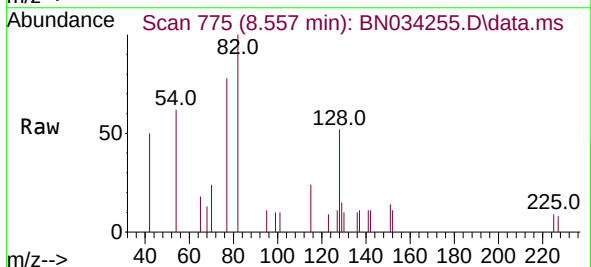
Instrument :  
BNA\_N  
ClientSampleId :  
DUP06-20240919

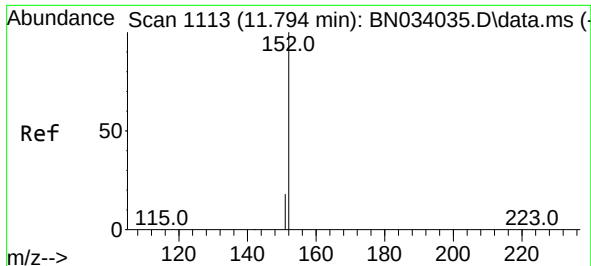
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 11855 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 12.2  | 9.0   | 13.6  |
| 54        | 10.6  | 6.8   | 10.2# |
| 68        | 7.5   | 5.0   | 7.6   |



#8  
Nitrobenzene-d5  
Concen: 0.228 ng  
RT: 8.557 min Scan# 775  
Delta R.T. 0.022 min  
Lab File: BN034255.D  
Acq: 26 Sep 2024 21:35

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 2067  |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 51.9  | 31.4  | 47.2# |
| 54        | 61.6  | 47.4  | 71.0  |

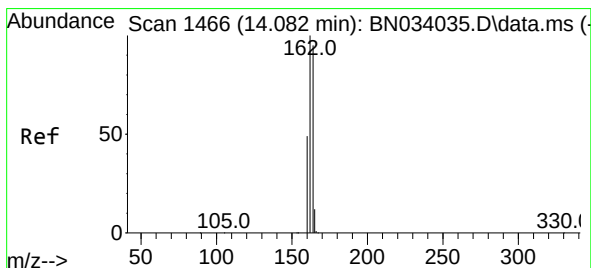
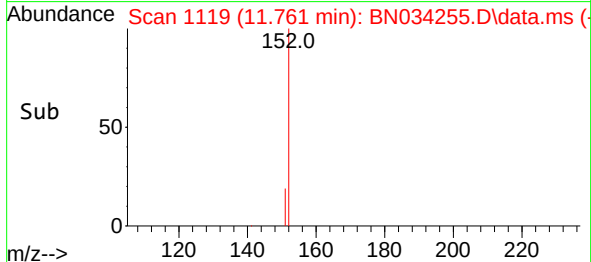
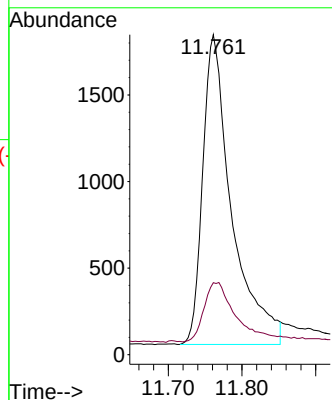
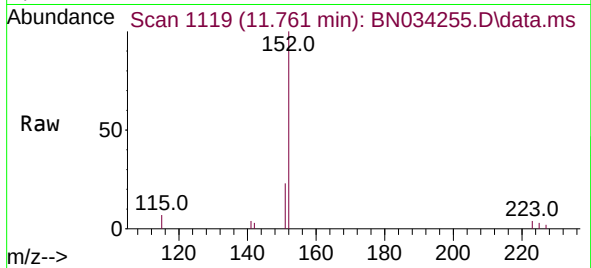




#11  
2-Methylnaphthalene-d10  
Concen: 0.278 ng  
RT: 11.761 min Scan# 1119  
Delta R.T. 0.008 min  
Lab File: BN034255.D  
Acq: 26 Sep 2024 21:35

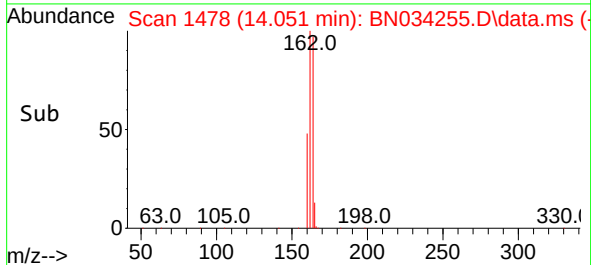
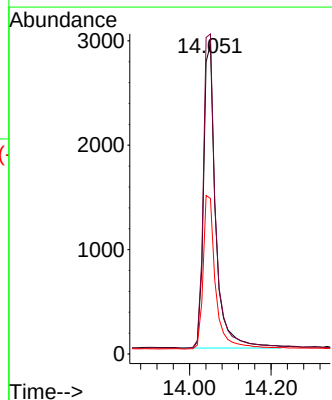
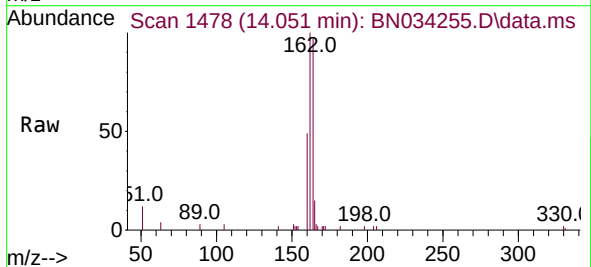
Instrument :  
BNA\_N  
ClientSampleId :  
DUP06-20240919

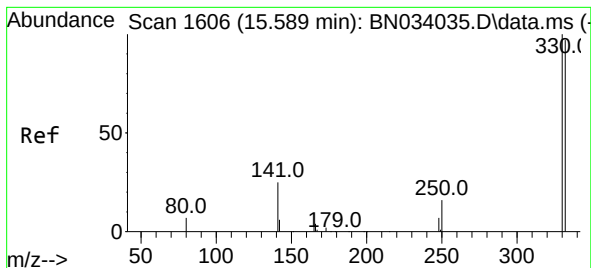
Tgt Ion:152 Resp: 4869  
Ion Ratio Lower Upper  
152 100  
151 21.1 16.8 25.2



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.051 min Scan# 1478  
Delta R.T. 0.004 min  
Lab File: BN034255.D  
Acq: 26 Sep 2024 21:35

Tgt Ion:164 Resp: 6067  
Ion Ratio Lower Upper  
164 100  
162 103.4 84.2 126.2  
160 50.3 41.7 62.5

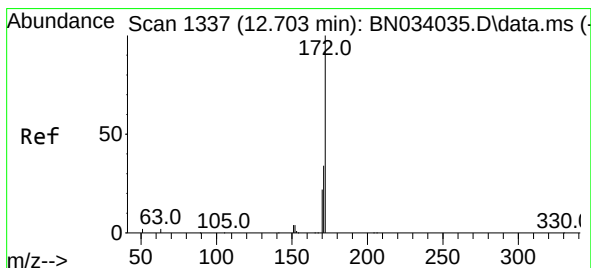
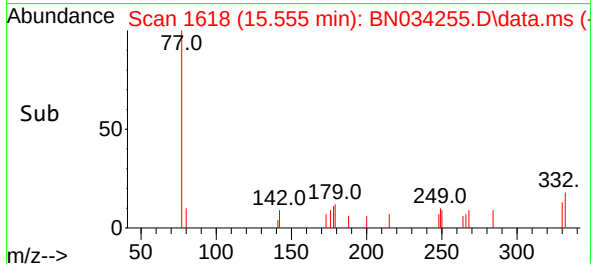
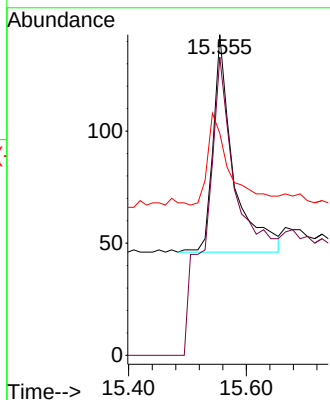
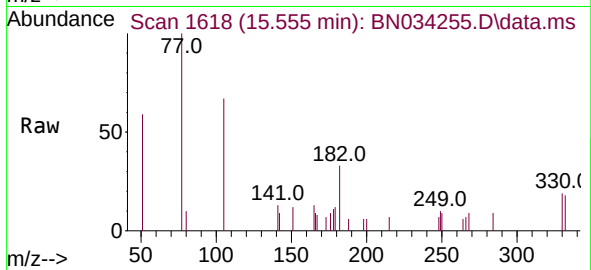




#14  
2,4,6-Tribromophenol  
Concen: 0.083 ng  
RT: 15.555 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: BN034255.D  
Acq: 26 Sep 2024 21:35

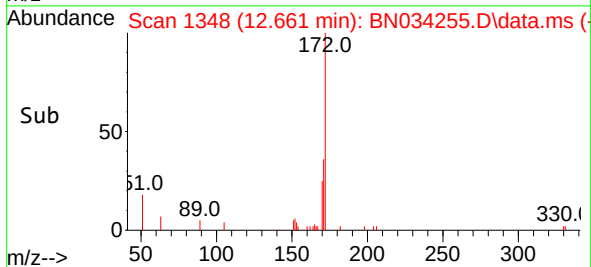
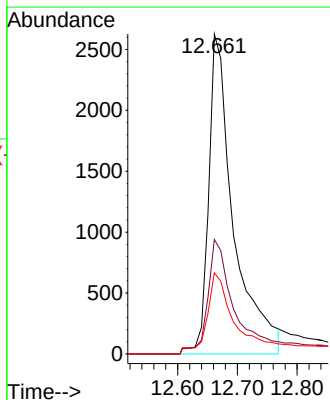
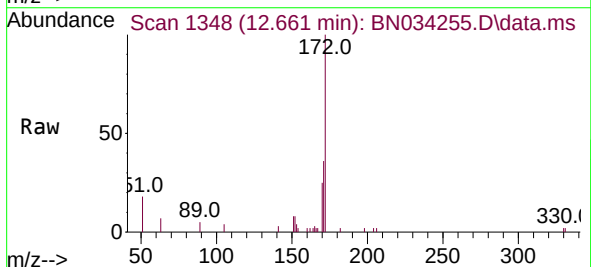
Instrument :  
BNA\_N  
ClientSampleId :  
DUP06-20240919

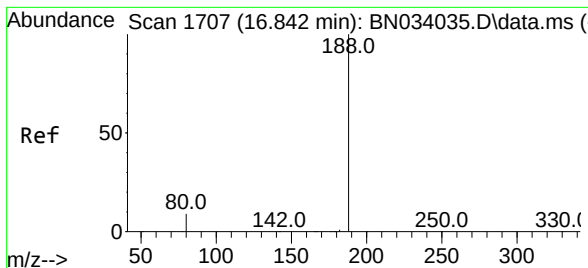
Tgt Ion:330 Resp: 227  
Ion Ratio Lower Upper  
330 100  
332 262.6 77.4 116.0#  
141 46.7 35.9 53.9



#15  
2-Fluorobiphenyl  
Concen: 0.285 ng  
RT: 12.661 min Scan# 1348  
Delta R.T. 0.004 min  
Lab File: BN034255.D  
Acq: 26 Sep 2024 21:35

Tgt Ion:172 Resp: 7033  
Ion Ratio Lower Upper  
172 100  
171 35.7 27.3 40.9  
170 25.4 18.1 27.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.808 min Scan# 1

Delta R.T. 0.006 min

Lab File: BN034255.D

Acq: 26 Sep 2024 21:35

Instrument :

BNA\_N

ClientSampleId :

DUP06-20240919

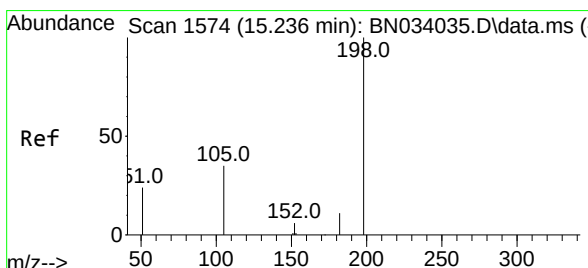
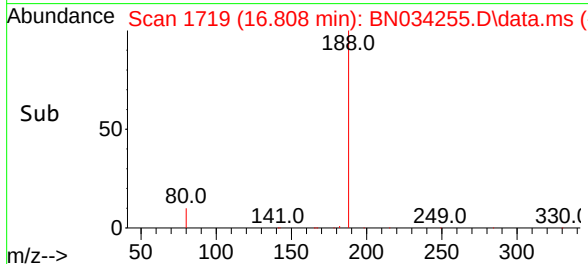
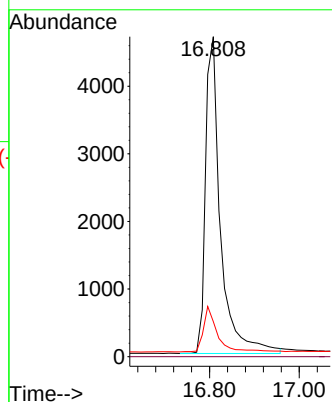
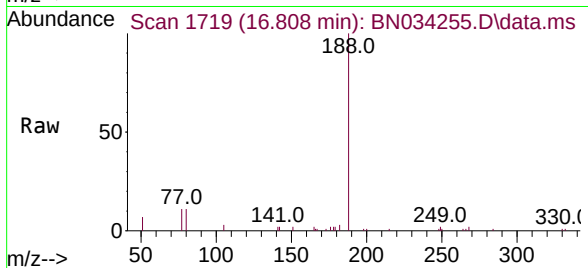
Tgt Ion:188 Resp: 10843

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.9 7.4 11.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.140 ng

RT: 16.324 min Scan# 1680

Delta R.T. 0.018 min

Lab File: BN034255.D

Acq: 26 Sep 2024 21:35

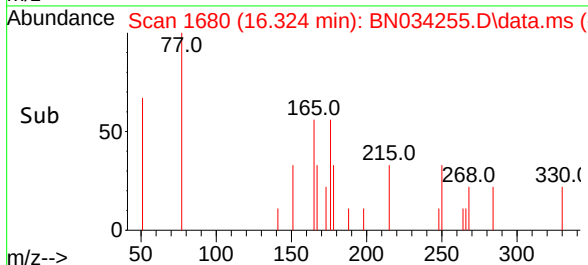
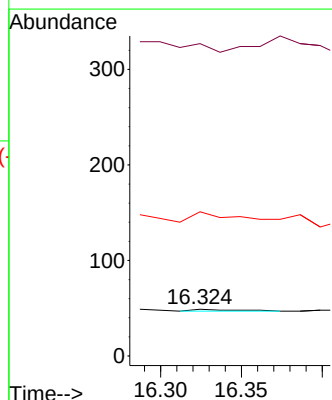
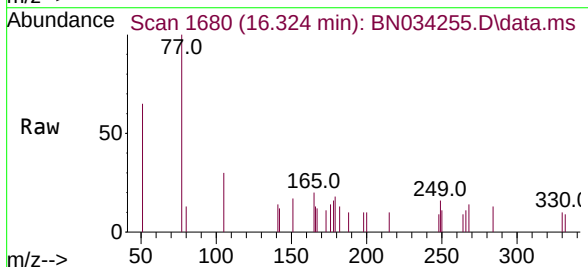
Tgt Ion:198 Resp: 4

Ion Ratio Lower Upper

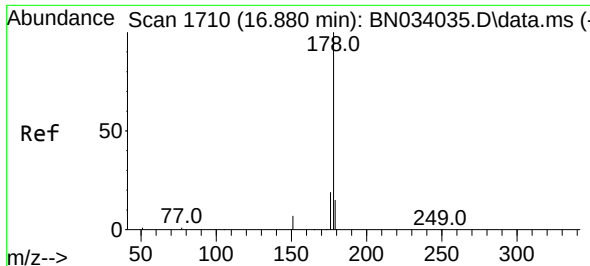
198 100

51 667.3 106.4 159.6#

105 308.2 38.5 57.7#



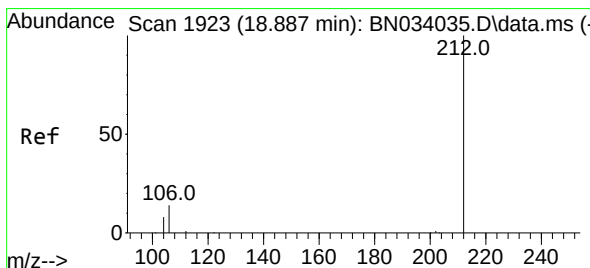
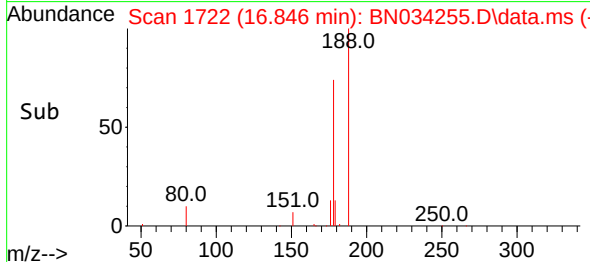
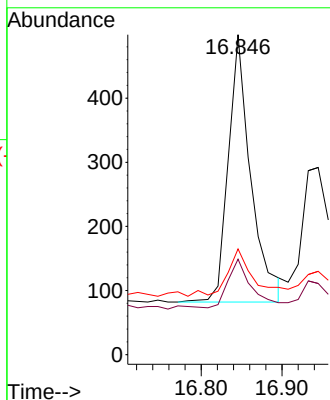
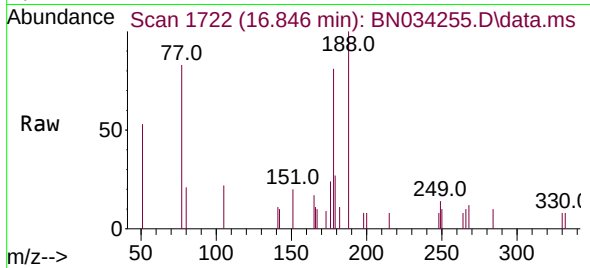




#25  
Phenanthrene  
Concen: 0.026 ng  
RT: 16.846 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BN034255.D  
Acq: 26 Sep 2024 21:35

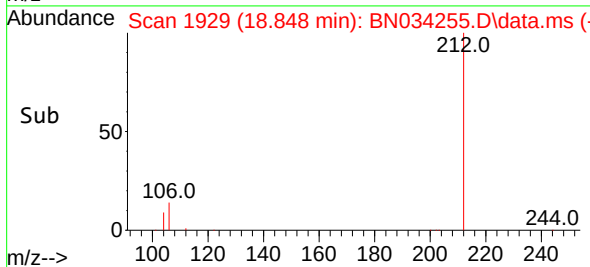
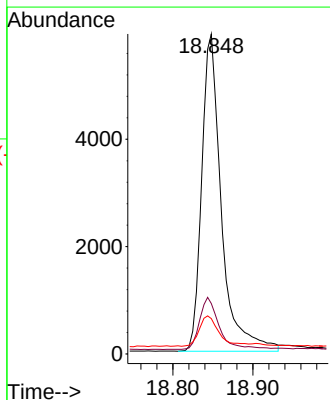
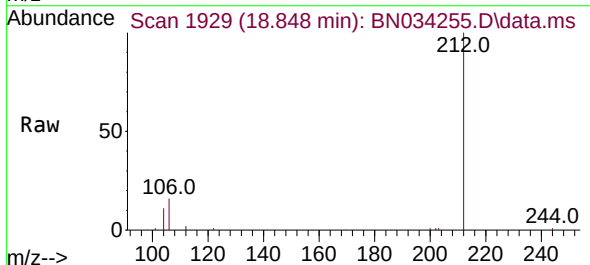
Instrument :  
BNA\_N  
ClientSampleId :  
DUP06-20240919

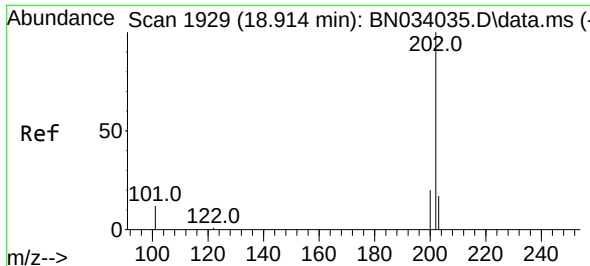
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Ion Ratio Lower Upper  
178 100  
176 19.0 15.3 22.9  
179 18.6 12.1 18.1#



#27  
Fluoranthene-d10  
Concen: 0.370 ng  
RT: 18.848 min Scan# 1929  
Delta R.T. 0.003 min  
Lab File: BN034255.D  
Acq: 26 Sep 2024 21:35

Tgt Ion:212 Resp: 10112  
Ion Ratio Lower Upper  
212 100  
106 16.3 13.4 20.2  
104 9.4 7.8 11.6

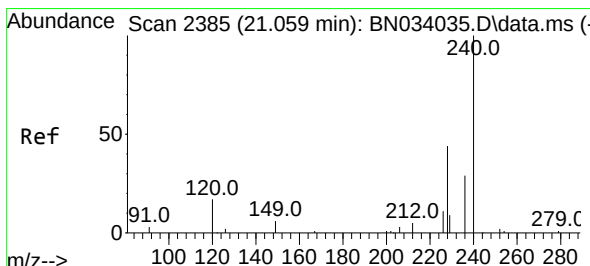
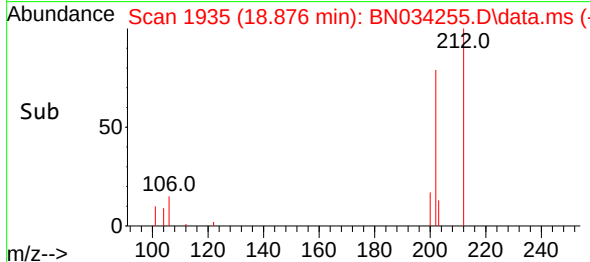
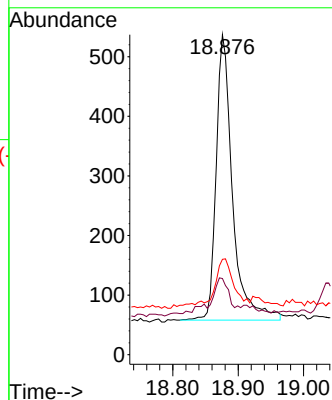
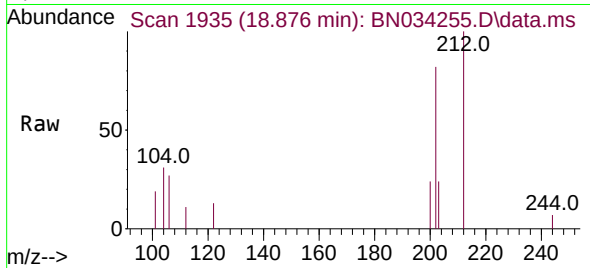




#28  
Fluoranthene  
Concen: 0.023 ng  
RT: 18.876 min Scan# 1929  
Delta R.T. -0.002 min  
Lab File: BN034255.D  
Acq: 26 Sep 2024 21:35

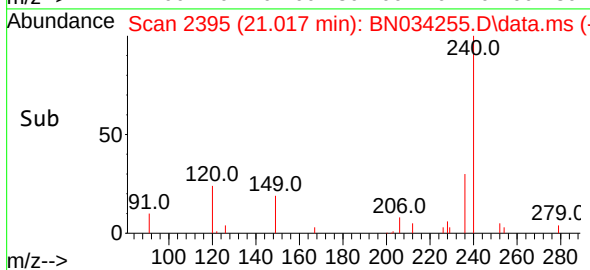
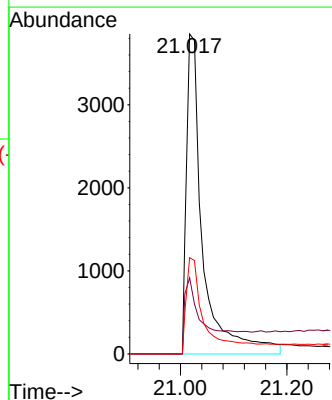
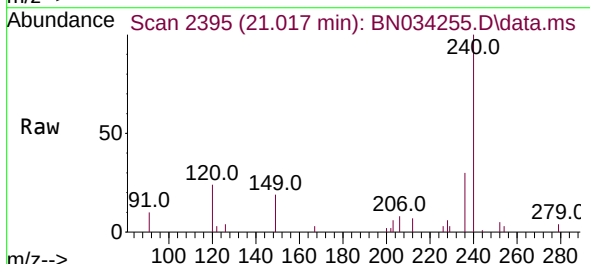
Instrument :  
BNA\_N  
ClientSampleId :  
DUP06-20240919

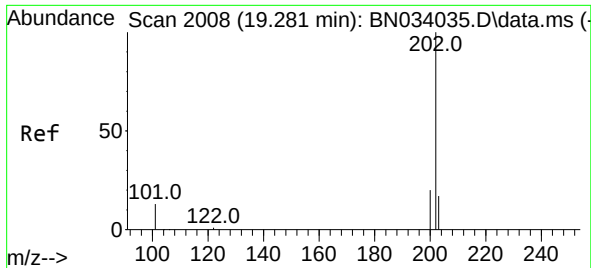
Tgt Ion:202 Resp: 833  
Ion Ratio Lower Upper  
202 100  
101 13.8 10.1 15.1  
203 17.6 13.6 20.4



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.017 min Scan# 2395  
Delta R.T. 0.003 min  
Lab File: BN034255.D  
Acq: 26 Sep 2024 21:35

Tgt Ion:240 Resp: 8011  
Ion Ratio Lower Upper  
240 100  
120 23.8 13.5 20.3#  
236 30.1 23.4 35.0

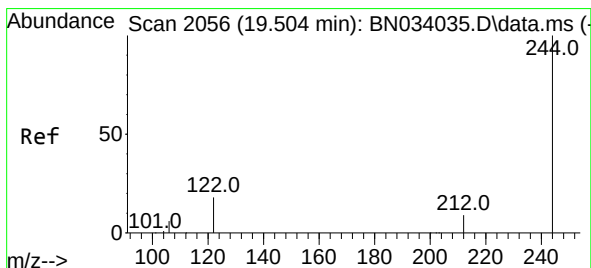
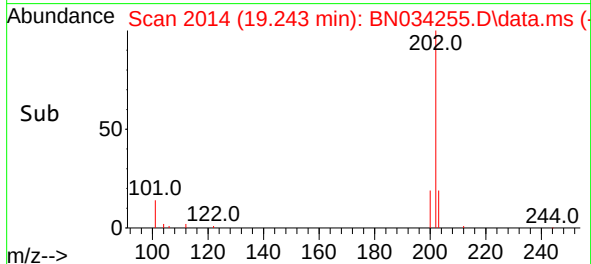
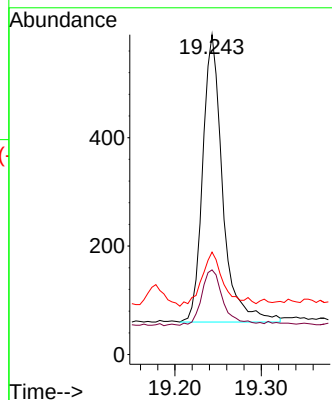
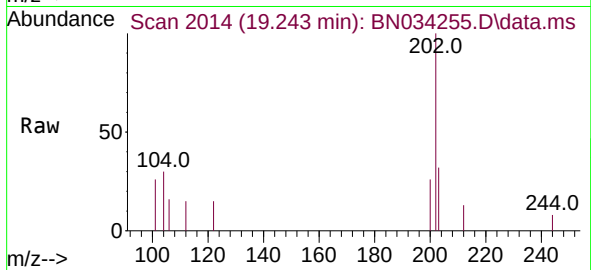




#30  
Pyrene  
Concen: 0.025 ng  
RT: 19.243 min Scan# 2014  
Delta R.T. 0.003 min  
Lab File: BN034255.D  
Acq: 26 Sep 2024 21:35

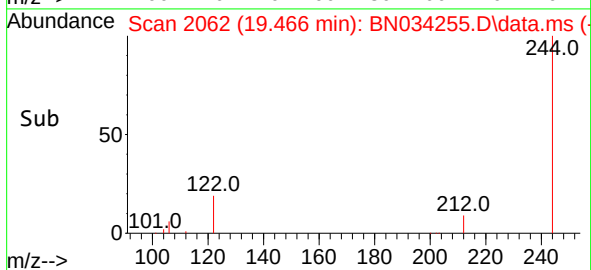
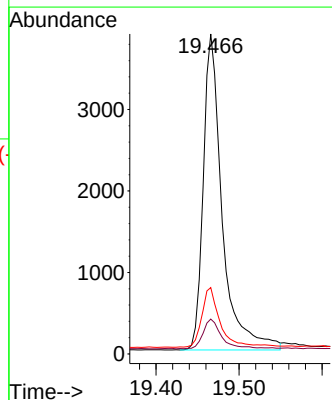
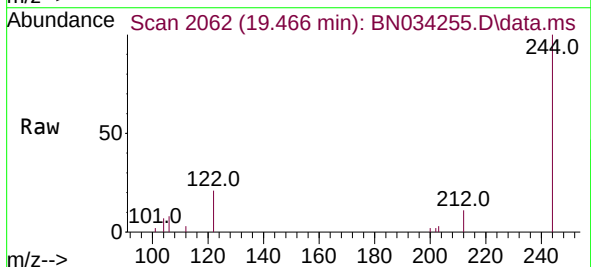
Instrument :  
BNA\_N  
ClientSampleId :  
DUP06-20240919

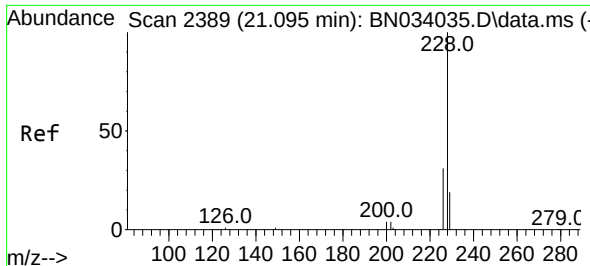
Tgt Ion:202 Resp: 851  
Ion Ratio Lower Upper  
202 100  
200 20.7 16.6 25.0  
203 21.0 14.3 21.5



#31  
Terphenyl-d14  
Concen: 0.386 ng  
RT: 19.466 min Scan# 2062  
Delta R.T. -0.002 min  
Lab File: BN034255.D  
Acq: 26 Sep 2024 21:35

Tgt Ion:244 Resp: 6178  
Ion Ratio Lower Upper  
244 100  
212 10.9 7.8 11.6  
122 20.8 14.8 22.2

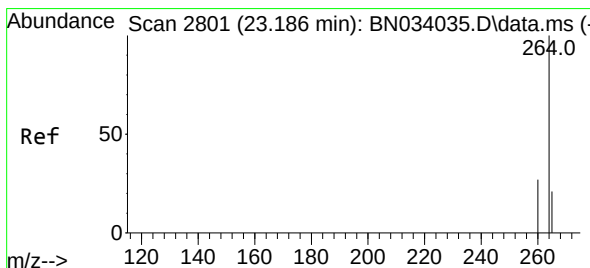
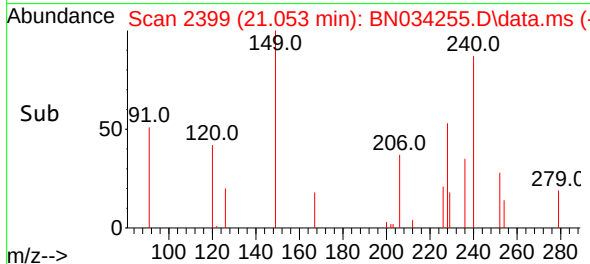
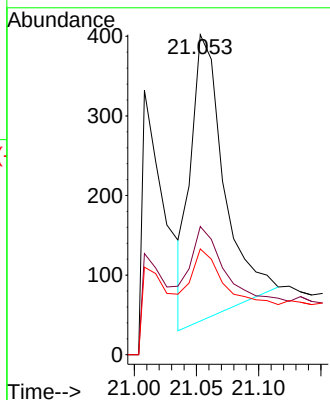
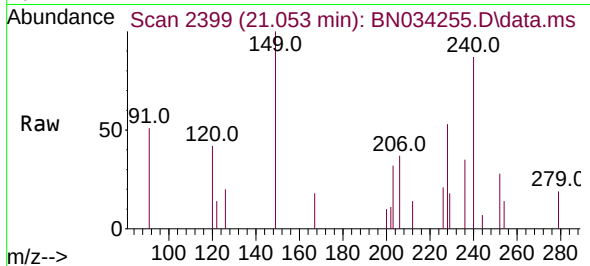




#33  
Chrysene  
Concen: 0.022 ng  
RT: 21.053 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: BN034255.D  
Acq: 26 Sep 2024 21:35

Instrument :  
BNA\_N  
ClientSampleId :  
DUP06-20240919

Tgt Ion:228 Resp: 667  
Ion Ratio Lower Upper  
228 100  
226 40.0 24.6 37.0#  
229 33.1 15.5 23.3#



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.130 min Scan# 2798  
Delta R.T. 0.002 min  
Lab File: BN034255.D  
Acq: 26 Sep 2024 21:35

Tgt Ion:264 Resp: 8263  
Ion Ratio Lower Upper  
264 100  
260 27.0 21.7 32.5  
265 102.3 52.1 78.1#

