

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN080624\  
 Data File : BN033284.D  
 Acq On : 06 Aug 2024 21:40  
 Operator : MA/JU  
 Sample : P3468-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 IDW-S1-01

Quant Time: Aug 07 02:05:31 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN080524.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 05 23:57:48 2024  
 Response via : Initial Calibration

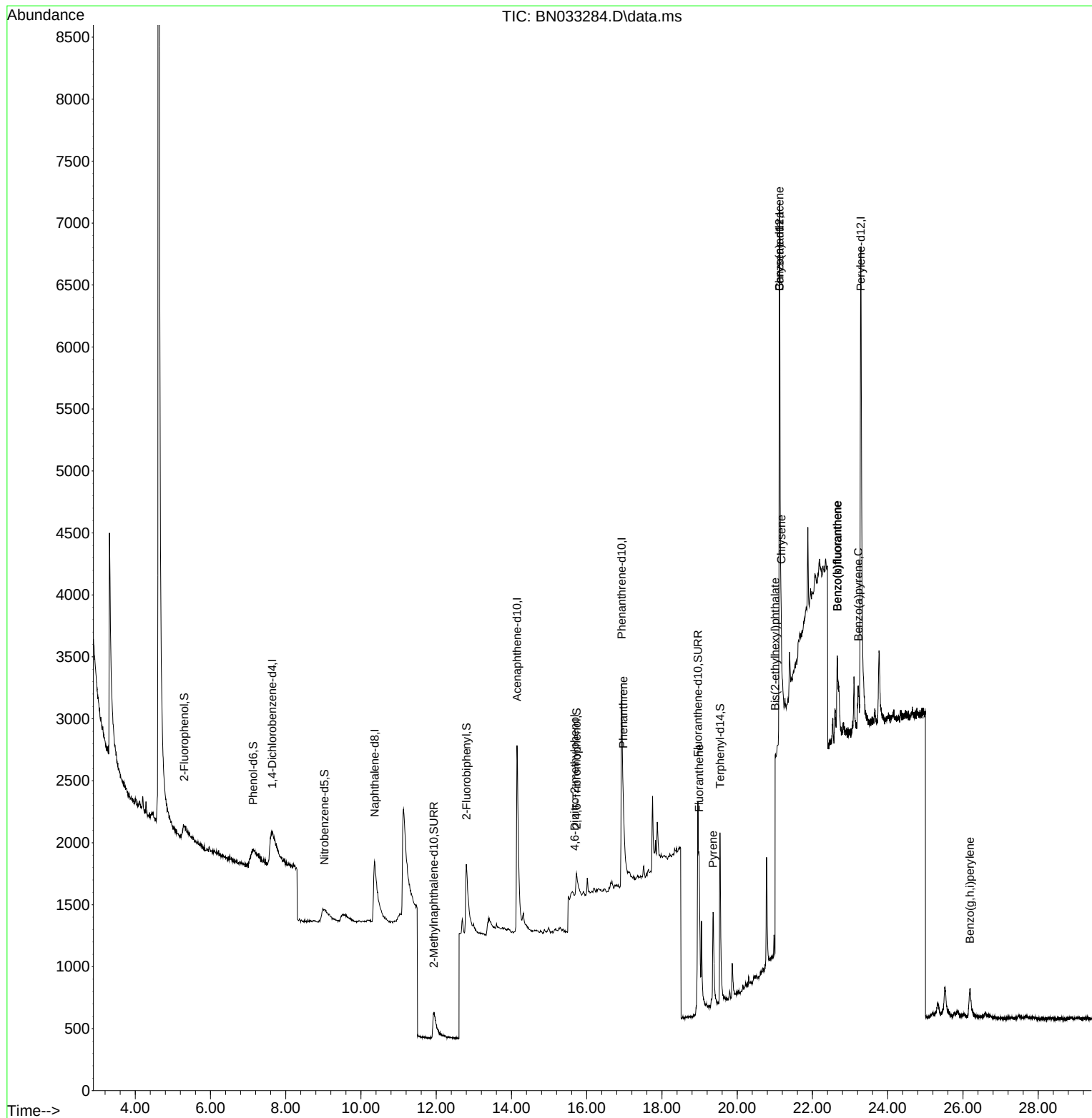
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min)    |
|-------------------------------|--------|------|----------|-----------|-------|-------------|
| -----                         |        |      |          |           |       |             |
| Internal Standards            |        |      |          |           |       |             |
| 1) 1,4-Dichlorobenzene-d4     | 7.640  | 152  | 421      | 0.400     | ng    | 0.13        |
| 7) Naphthalene-d8             | 10.361 | 136  | 2976     | 0.400     | ng    | # 0.04      |
| 13) Acenaphthene-d10          | 14.147 | 164  | 2025     | 0.400     | ng    | 0.02        |
| 19) Phenanthrene-d10          | 16.932 | 188  | 4883     | 0.400     | ng    | 0.01        |
| 29) Chrysene-d12              | 21.125 | 240  | 5817     | 0.400     | ng    | 0.00        |
| 35) Perylene-d12              | 23.285 | 264  | 7297     | 0.400     | ng    | 0.00        |
| System Monitoring Compounds   |        |      |          |           |       |             |
| 4) 2-Fluorophenol             | 5.300  | 112  | 99       | 0.095     | ng    | 0.00        |
| 5) Phenol-d6                  | 7.134  | 99   | 263      | 0.184     | ng    | 0.14        |
| 8) Nitrobenzene-d5            | 9.027  | 82   | 557      | 0.233     | ng    | 0.11        |
| 11) 2-Methylnaphthalene-d10   | 11.935 | 152  | 1104     | 0.250     | ng    | 0.00        |
| 14) 2,4,6-Tribromophenol      | 15.728 | 330  | 249      | 0.330     | ng    | 0.01        |
| 15) 2-Fluorobiphenyl          | 12.800 | 172  | 1740     | 0.251     | ng    | 0.00        |
| 27) Fluoranthene-d10          | 18.955 | 212  | 3348     | 0.245     | ng    | 0.00        |
| 31) Terphenyl-d14             | 19.545 | 244  | 2418     | 0.241     | ng    | 0.00        |
| Target Compounds              |        |      |          |           |       |             |
| 2) 1,4-Dioxane                | 3.155  | 88   | 5        | Below Cal |       | Qvalue # 25 |
| 20) 4,6-Dinitro-2-methylph... | 15.679 | 198  | 1        | 0.249     | ng    | # 66        |
| 25) Phenanthrene              | 16.970 | 178  | 559      | 0.043     | ng    | 99          |
| 28) Fluoranthene              | 18.987 | 202  | 1390     | 0.077     | ng    | 95          |
| 30) Pyrene                    | 19.359 | 202  | 1340     | 0.066     | ng    | # 92        |
| 32) Benzo(a)anthracene        | 21.125 | 228  | 670      | 0.040     | ng    | # 69        |
| 33) Chrysene                  | 21.169 | 228  | 806      | 0.036     | ng    | # 78        |
| 34) Bis(2-ethylhexyl)phtha... | 21.008 | 149  | 651      | 0.162     | ng    | # 54        |
| 37) Benzo(b)fluoranthene      | 22.660 | 252  | 1191     | 0.054     | ng    | # 4         |
| 38) Benzo(k)fluoranthene      | 22.660 | 252  | 1191     | 0.043     | ng    | # 6         |
| 39) Benzo(a)pyrene            | 23.218 | 252  | 705      | 0.032     | ng    | # 1         |
| 41) Benzo(g,h,i)perylene      | 26.188 | 276  | 606      | 0.020     | ng    | # 43        |
| -----                         |        |      |          |           |       |             |

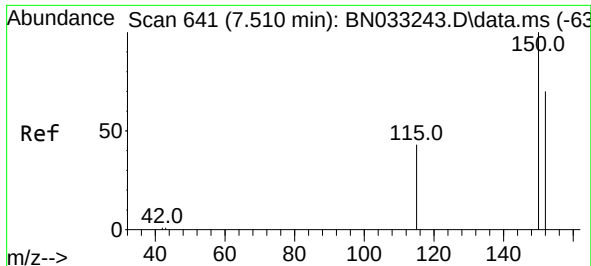
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN080624\  
Data File : BN033284.D  
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Sample : P3468-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
IDW-S1-01

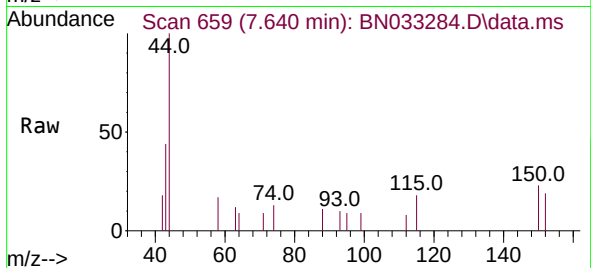
Quant Time: Aug 07 02:05:31 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN080524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 05 23:57:48 2024  
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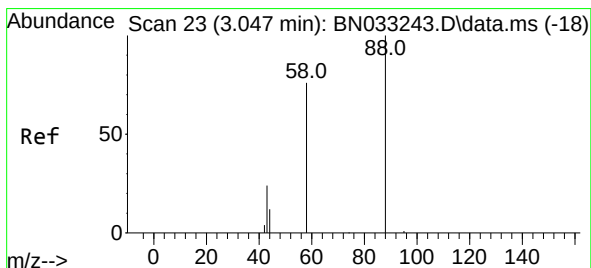
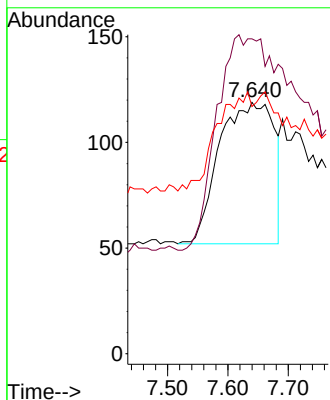
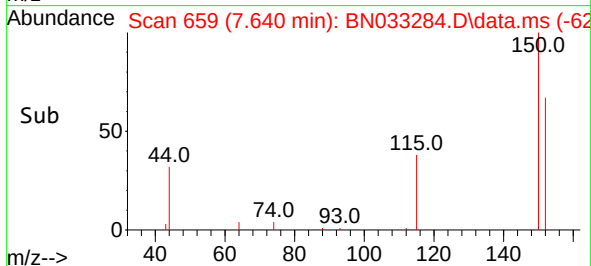


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.640 min Scan# 61  
Delta R.T. 0.130 min  
Lab File: BN033284.D  
Acq: 06 Aug 2024 21:40

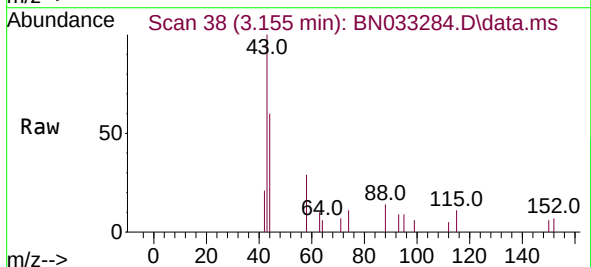
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ClientSampleId :  
IDW-S1-01



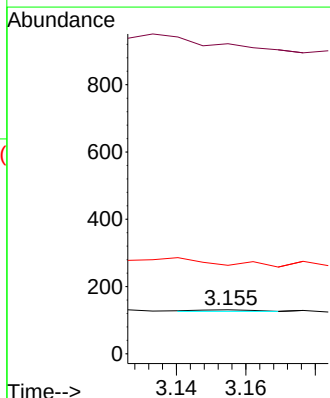
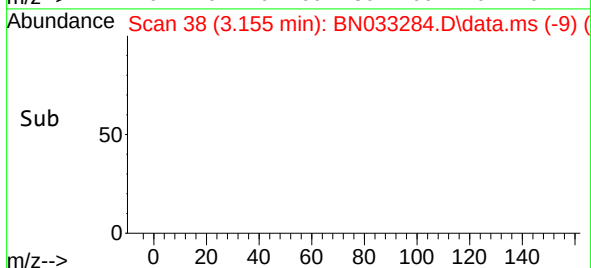
Tgt Ion:152 Resp: 421  
Ion Ratio Lower Upper  
152 100  
150 125.2 108.2 162.2  
115 98.3 70.5 105.7

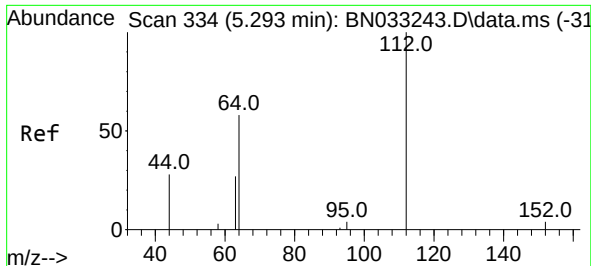


#2  
1,4-Dioxane  
Concen: Below Cal  
RT: 3.155 min Scan# 38  
Delta R.T. 0.108 min  
Lab File: BN033284.D  
Acq: 06 Aug 2024 21:40



Tgt Ion: 88 Resp: 5  
Ion Ratio Lower Upper  
88 100  
43 0.0 18.6 28.0#  
58 0.0 54.5 81.7#

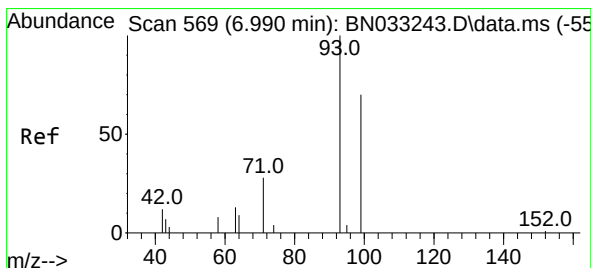
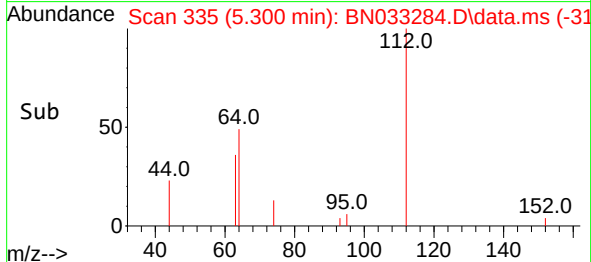
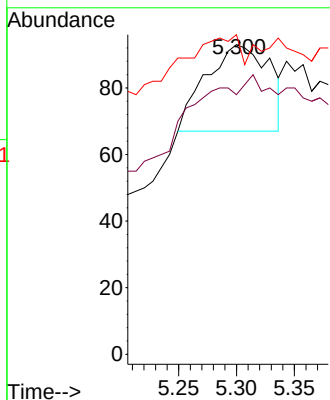
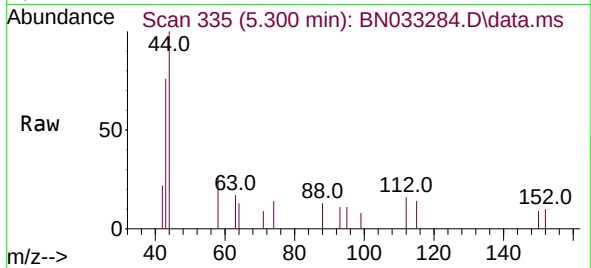




#4  
2-Fluorophenol  
Concen: 0.095 ng  
RT: 5.300 min Scan# 31  
Delta R.T. 0.007 min  
Lab File: BN033284.D  
Acq: 06 Aug 2024 21:40

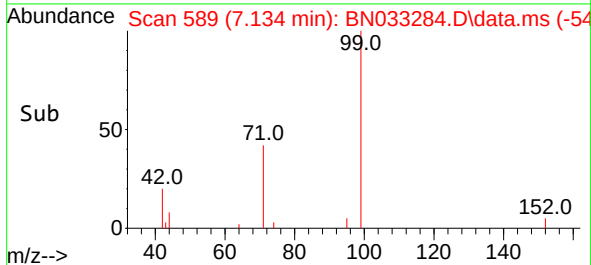
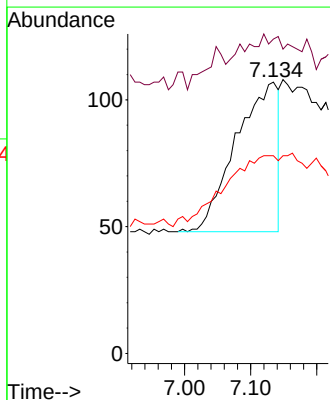
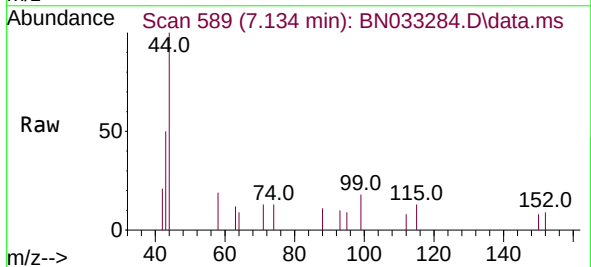
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BNA\_N  
ClientSampleId :  
IDW-S1-01

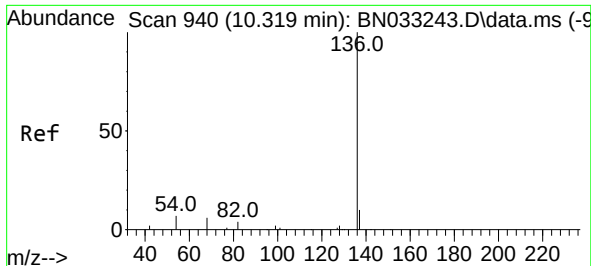
Tgt Ion:112 Resp: 99  
Ion Ratio Lower Upper  
112 100  
64 23.2 18.0 27.0  
63 17.2 0.0 0.0#



#5  
Phenol-d6  
Concen: 0.184 ng  
RT: 7.134 min Scan# 589  
Delta R.T. 0.144 min  
Lab File: BN033284.D  
Acq: 06 Aug 2024 21:40

Tgt Ion: 99 Resp: 263  
Ion Ratio Lower Upper  
99 100  
42 26.6 0.0 0.0#  
71 51.7 0.0 0.0#

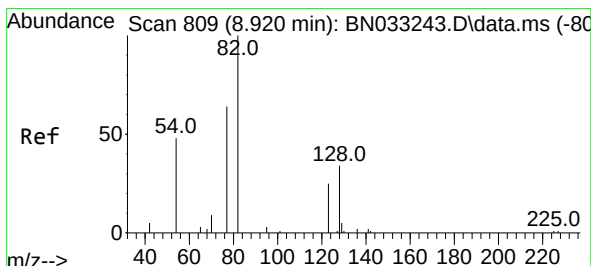
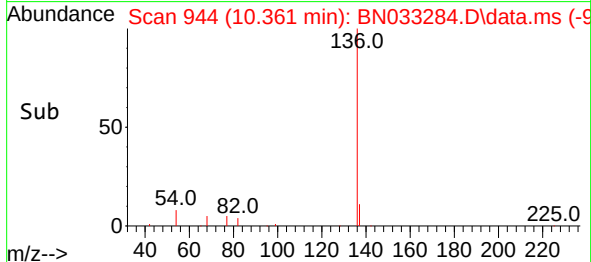
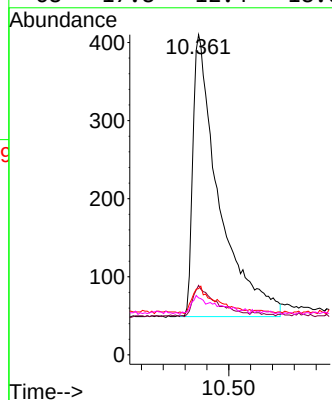
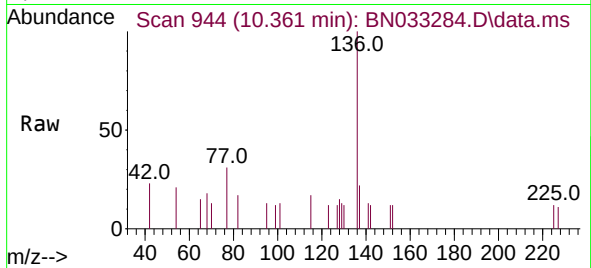




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.361 min Scan# 94  
Delta R.T. 0.042 min  
Lab File: BN033284.D  
Acq: 06 Aug 2024 21:40

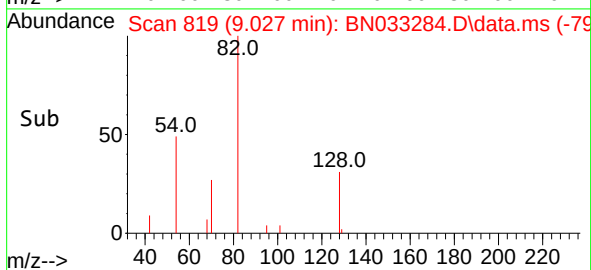
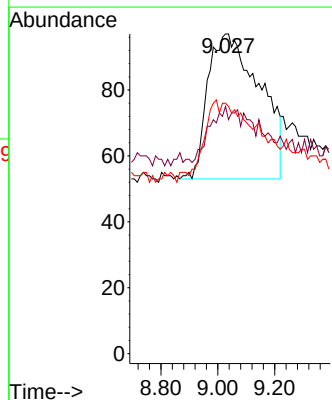
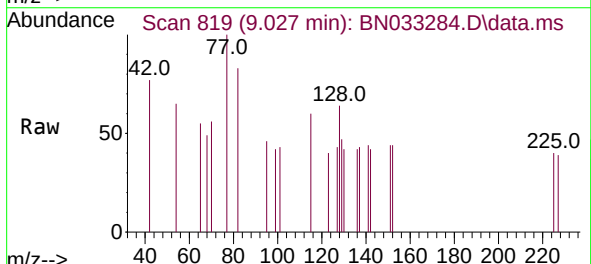
Instrument :  
BNA\_N  
ClientSampleId :  
IDW-S1-01

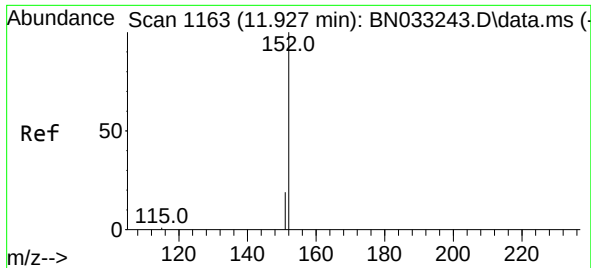
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 2976  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 21.7  | 14.1  | 21.1# |
| 54       | 20.7  | 13.8  | 20.8  |
| 68       | 17.8  | 12.4  | 18.6  |



#8  
Nitrobenzene-d5  
Concen: 0.233 ng  
RT: 9.027 min Scan# 819  
Delta R.T. 0.107 min  
Lab File: BN033284.D  
Acq: 06 Aug 2024 21:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 557   |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 77.3  | 54.8  | 82.2  |
| 54       | 78.4  | 55.9  | 83.9  |

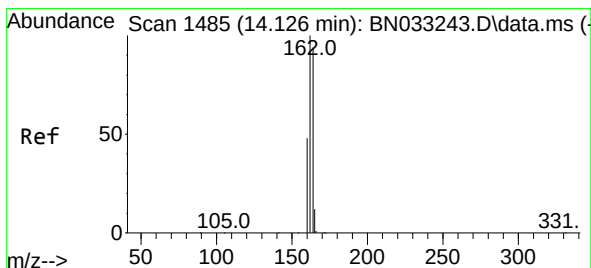
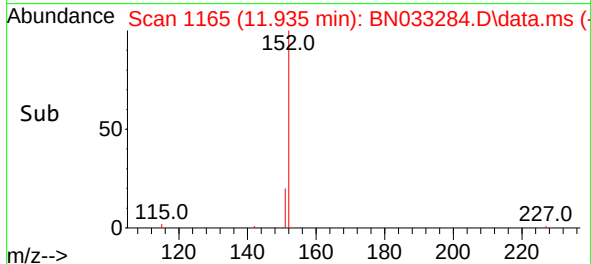
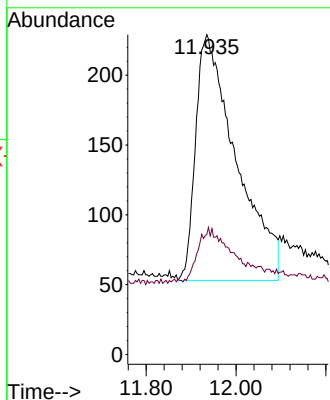
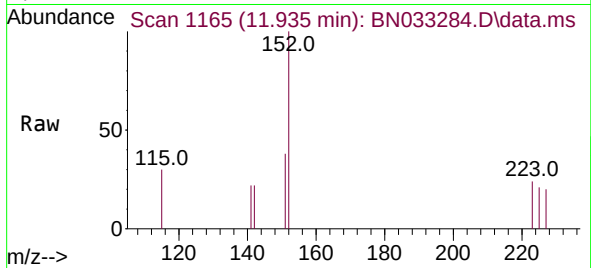




#11  
2-Methylnaphthalene-d10  
Concen: 0.250 ng  
RT: 11.935 min Scan# 1165  
Delta R.T. 0.008 min  
Lab File: BN033284.D  
Acq: 06 Aug 2024 21:40

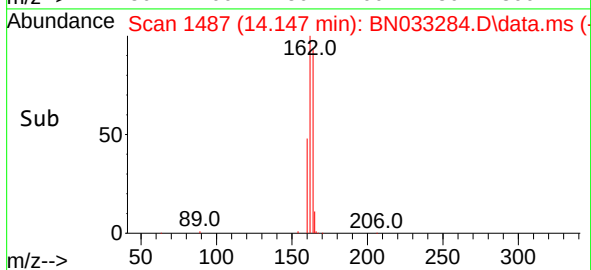
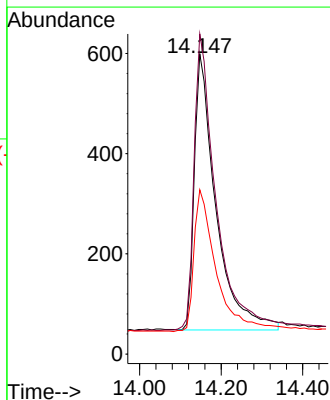
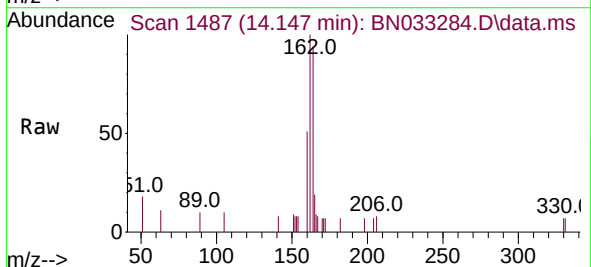
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IDW-S1-01

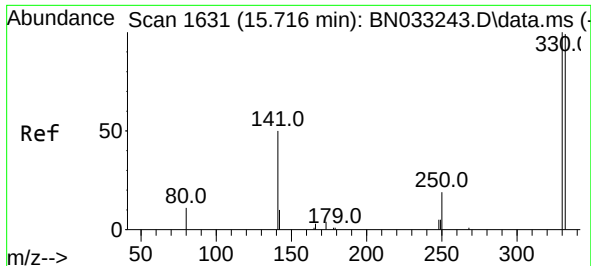
Tgt Ion:152 Resp: 1104  
Ion Ratio Lower Upper  
152 100  
151 16.8 11.9 17.9



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.147 min Scan# 1487  
Delta R.T. 0.021 min  
Lab File: BN033284.D  
Acq: 06 Aug 2024 21:40

Tgt Ion:164 Resp: 2025  
Ion Ratio Lower Upper  
164 100  
162 106.7 84.6 127.0  
160 54.8 42.4 63.6

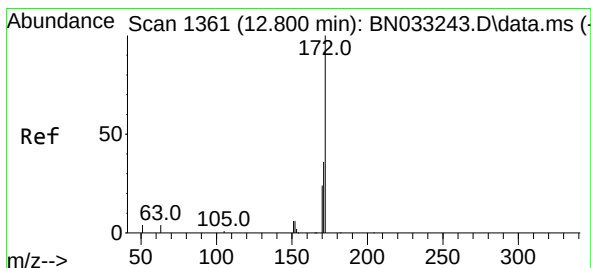
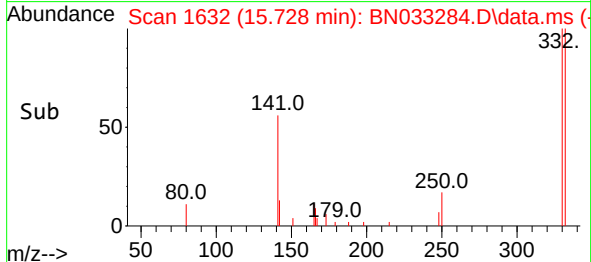
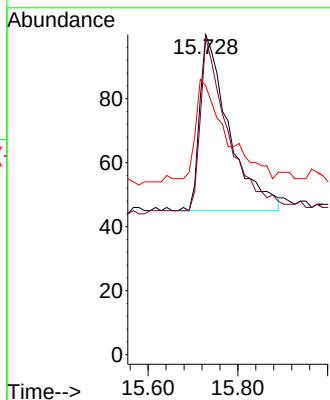
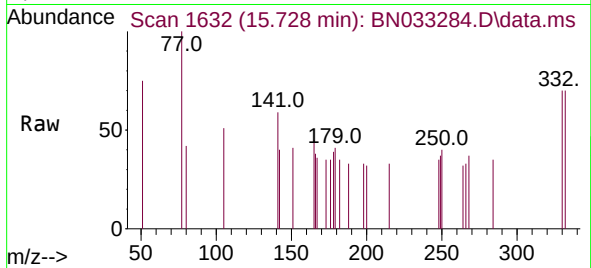




#14  
2,4,6-Tribromophenol  
Concen: 0.330 ng  
RT: 15.728 min Scan# 1632  
Delta R.T. 0.012 min  
Lab File: BN033284.D  
Acq: 06 Aug 2024 21:40

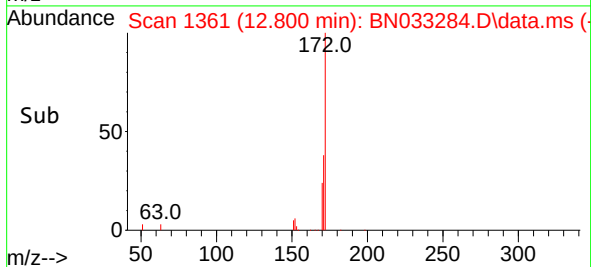
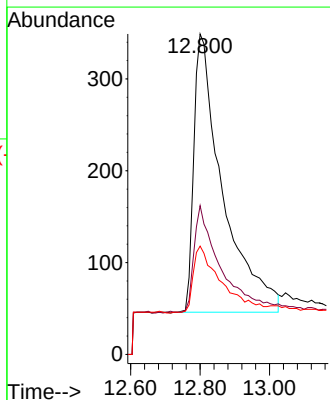
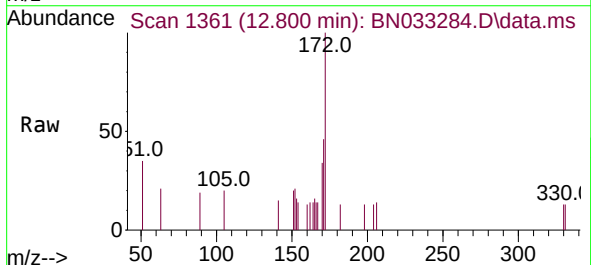
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ClientSampleId :  
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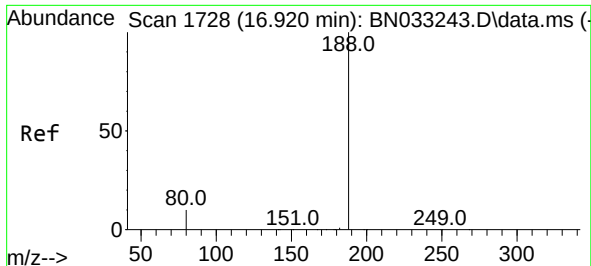
Tgt Ion:330 Resp: 249  
Ion Ratio Lower Upper  
330 100  
332 92.0 73.7 110.5  
141 57.0 44.8 67.2



#15  
2-Fluorobiphenyl  
Concen: 0.251 ng  
RT: 12.800 min Scan# 1361  
Delta R.T. -0.000 min  
Lab File: BN033284.D  
Acq: 06 Aug 2024 21:40

Tgt Ion:172 Resp: 1740  
Ion Ratio Lower Upper  
172 100  
171 46.4 32.3 48.5  
170 33.8 23.4 35.2

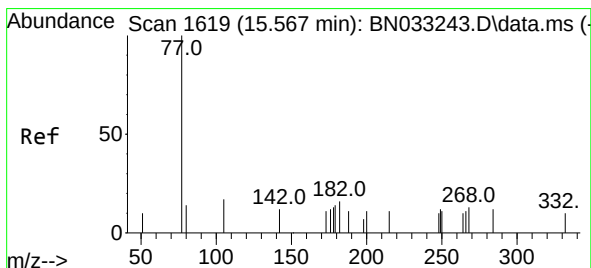
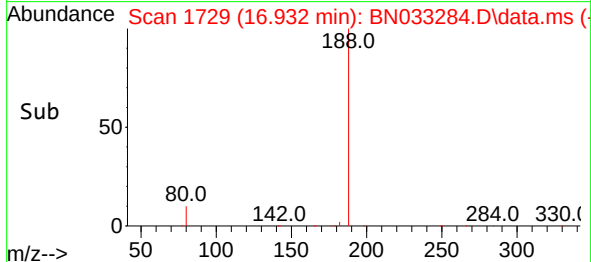
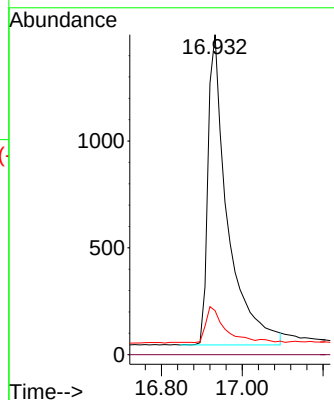
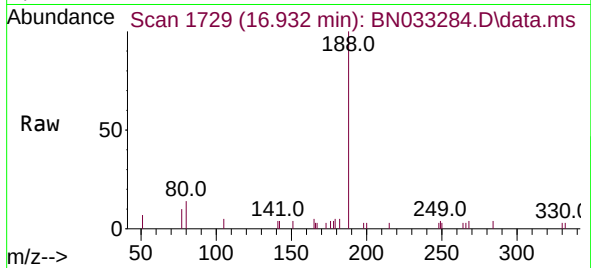




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.932 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: BN033284.D  
Acq: 06 Aug 2024 21:40

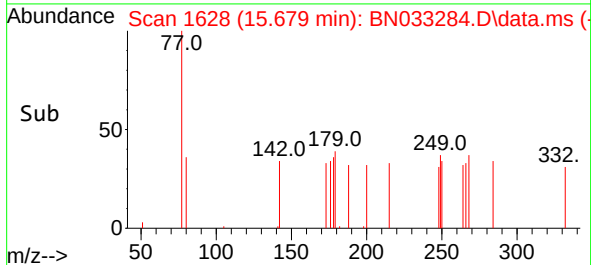
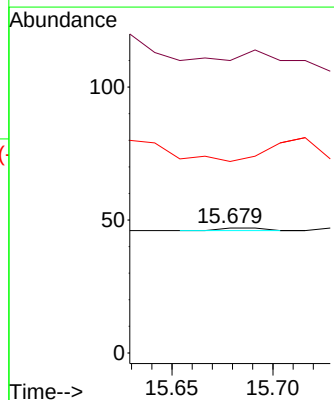
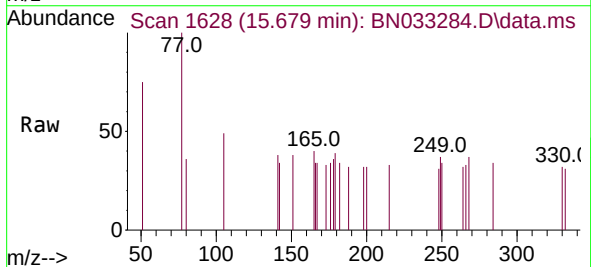
Instrument :  
BNA\_N  
ClientSampleId :  
IDW-S1-01

Tgt Ion:188 Resp: 4883  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 13.8 10.2 15.4

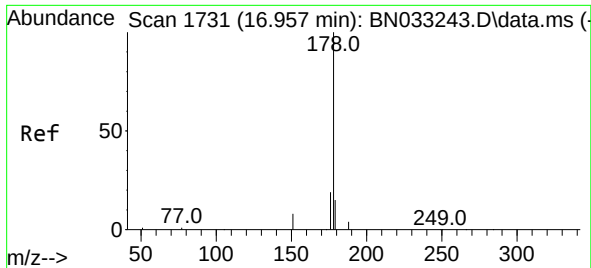


#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.249 ng  
RT: 15.679 min Scan# 1628  
Delta R.T. 0.112 min  
Lab File: BN033284.D  
Acq: 06 Aug 2024 21:40

Tgt Ion:198 Resp: 1  
Ion Ratio Lower Upper  
198 100  
51 234.0 250.6 375.8#  
105 153.2 152.6 229.0



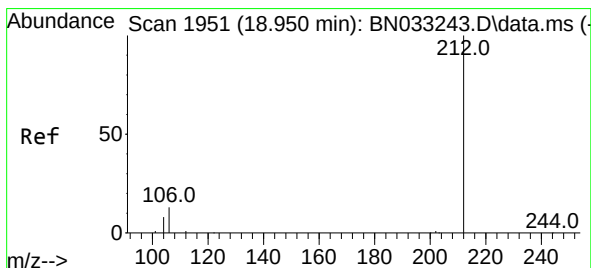
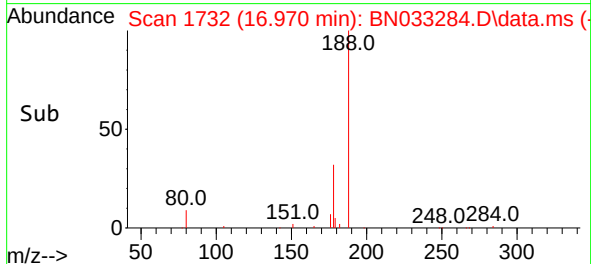
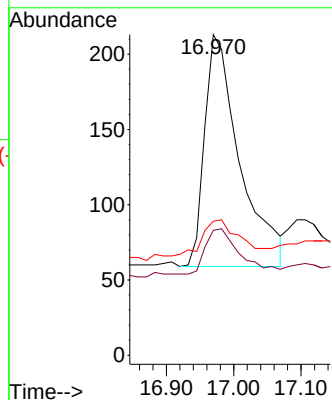
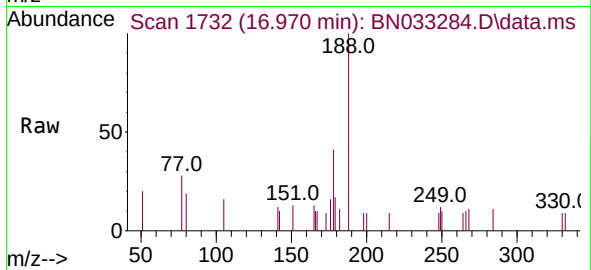




#25  
Phenanthrene  
Concen: 0.043 ng  
RT: 16.970 min Scan# 1732  
Delta R.T. 0.013 min  
Lab File: BN033284.D  
Acq: 06 Aug 2024 21:40

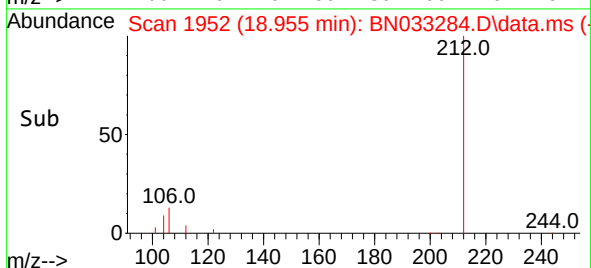
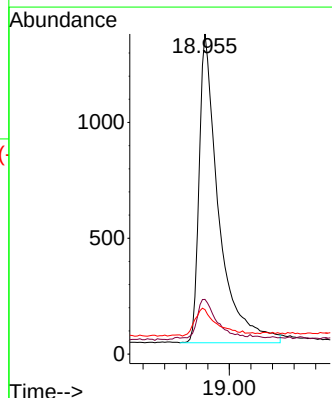
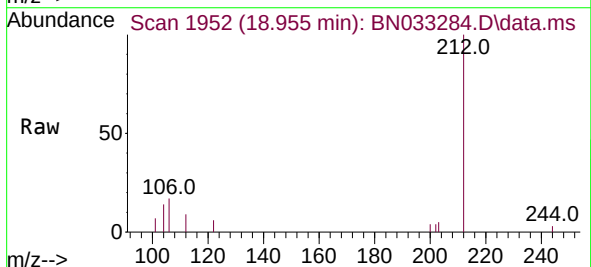
Instrument :  
BNA\_N  
ClientSampleId :  
IDW-S1-01

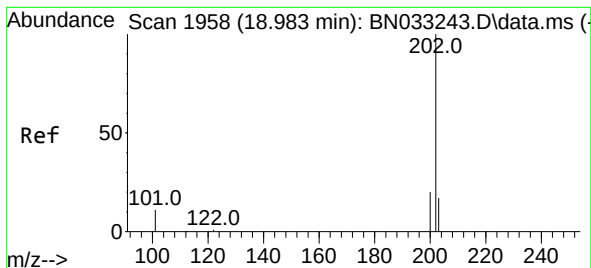
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 559   |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 176      | 19.1  | 15.7  | 23.5  |
| 179      | 16.1  | 12.4  | 18.6  |



#27  
Fluoranthene-d10  
Concen: 0.245 ng  
RT: 18.955 min Scan# 1952  
Delta R.T. 0.005 min  
Lab File: BN033284.D  
Acq: 06 Aug 2024 21:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 212   | Resp: | 3348  |
| Ion      | Ratio | Lower | Upper |
| 212      | 100   |       |       |
| 106      | 12.6  | 11.4  | 17.0  |
| 104      | 10.3  | 7.1   | 10.7  |





#28

Fluoranthene

Concen: 0.077 ng

RT: 18.987 min Scan# 1958

Delta R.T. 0.005 min

Lab File: BN033284.D

Acq: 06 Aug 2024 21:40

Instrument :

BNA\_N

ClientSampleId :

IDW-S1-01

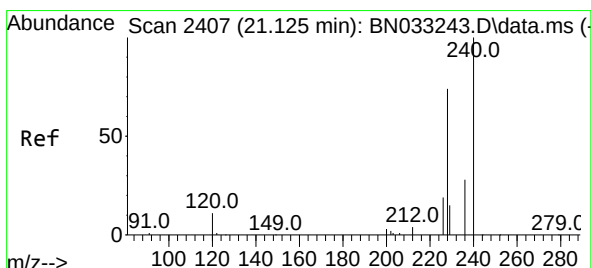
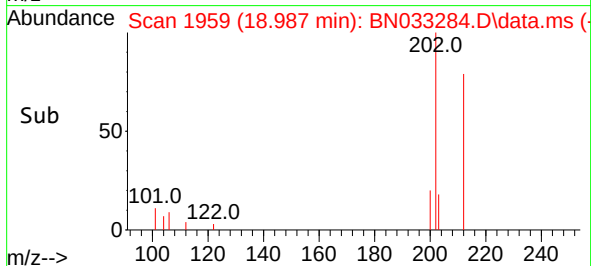
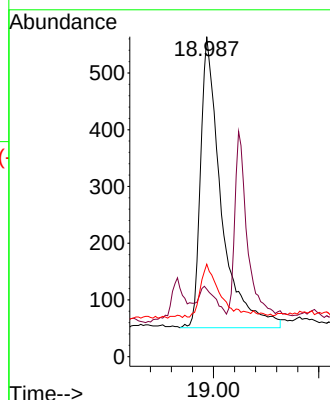
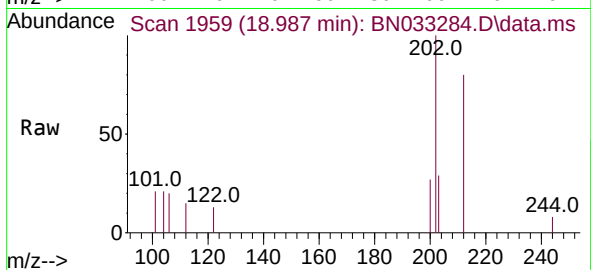
Tgt Ion:202 Resp: 1390

Ion Ratio Lower Upper

202 100

101 8.9 8.6 13.0

203 15.4 13.8 20.8



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.125 min Scan# 2407

Delta R.T. -0.000 min

Lab File: BN033284.D

Acq: 06 Aug 2024 21:40

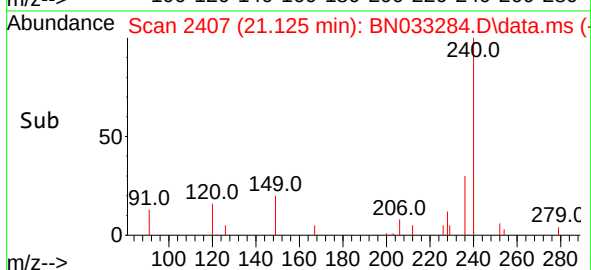
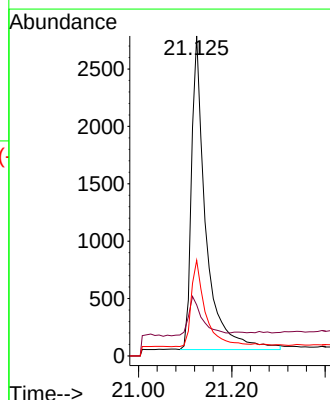
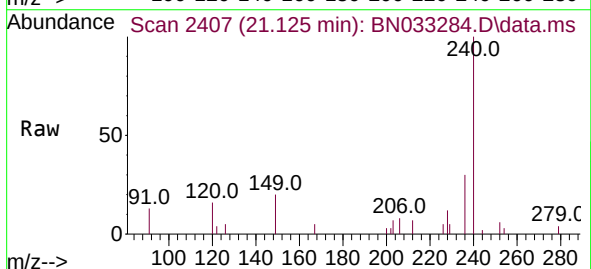
Tgt Ion:240 Resp: 5817

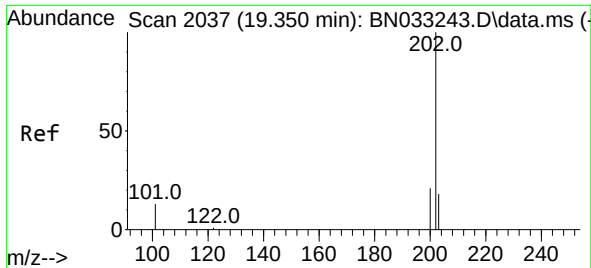
Ion Ratio Lower Upper

240 100

120 15.9 13.3 19.9

236 29.9 23.8 35.6

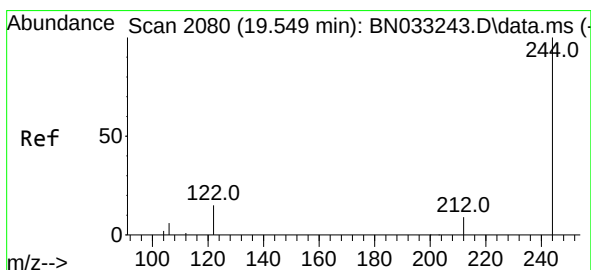
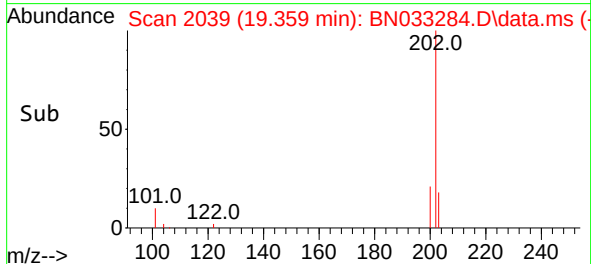
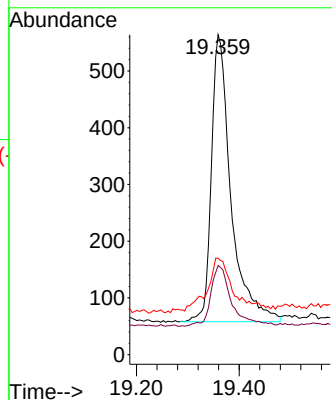
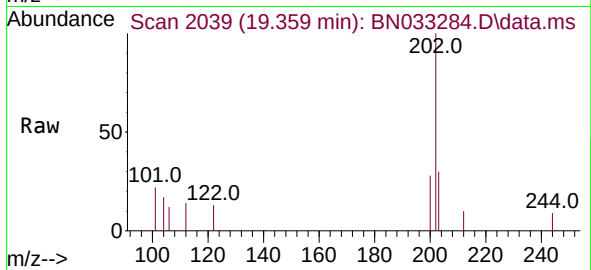




#30  
Pyrene  
Concen: 0.066 ng  
RT: 19.359 min Scan# 2039  
Delta R.T. 0.009 min  
Lab File: BN033284.D  
Acq: 06 Aug 2024 21:40

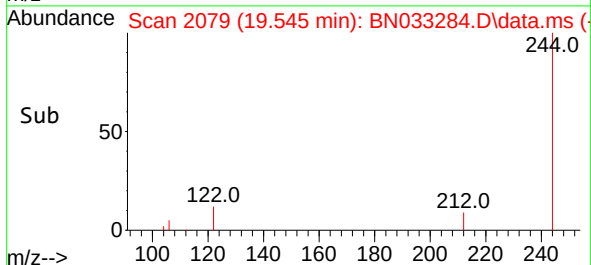
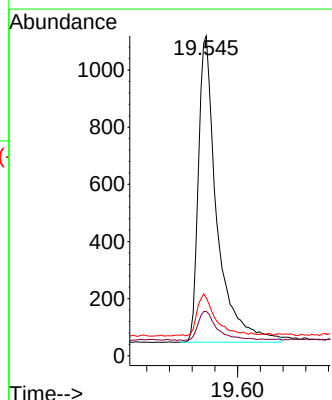
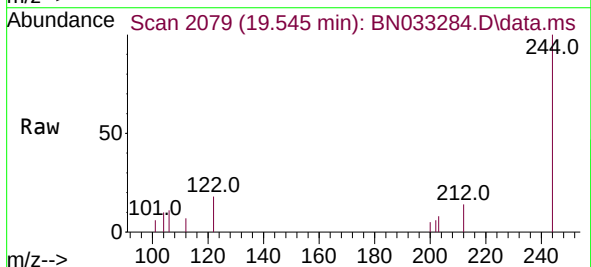
Instrument :  
BNA\_N  
ClientSampleId :  
IDW-S1-01

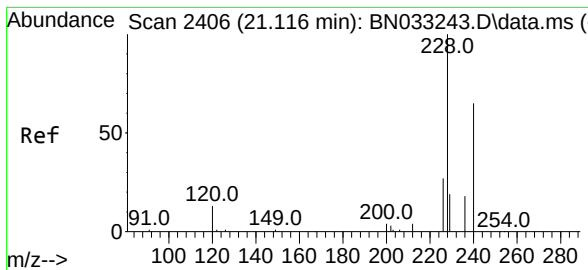
Tgt Ion:202 Resp: 1340  
Ion Ratio Lower Upper  
202 100  
200 22.5 17.0 25.4  
203 24.7 14.4 21.6#



#31  
Terphenyl-d14  
Concen: 0.241 ng  
RT: 19.545 min Scan# 2079  
Delta R.T. -0.005 min  
Lab File: BN033284.D  
Acq: 06 Aug 2024 21:40

Tgt Ion:244 Resp: 2418  
Ion Ratio Lower Upper  
244 100  
212 13.9 9.9 14.9  
122 18.1 14.1 21.1





#32

Benzo(a)anthracene

Concen: 0.040 ng

RT: 21.125 min Scan# 2407

Delta R.T. 0.009 min

Lab File: BN033284.D

Acq: 06 Aug 2024 21:40

Instrument :

BNA\_N

ClientSampleId :

IDW-S1-01

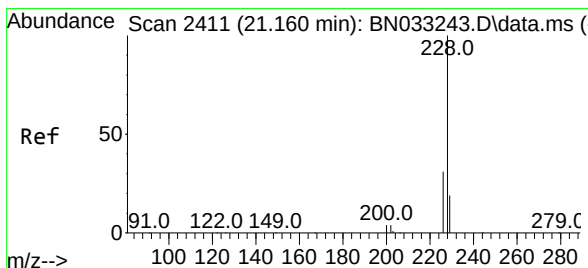
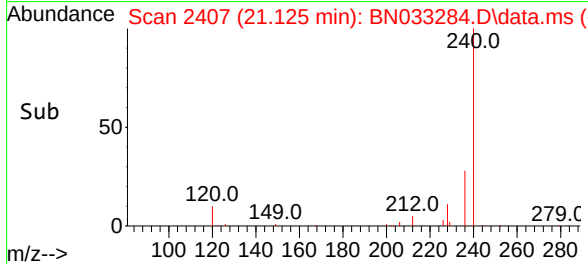
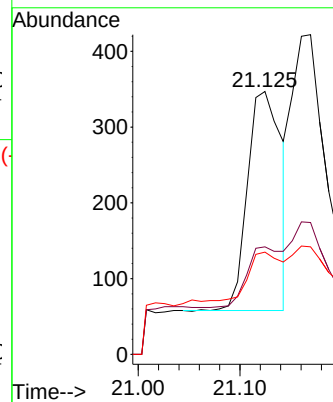
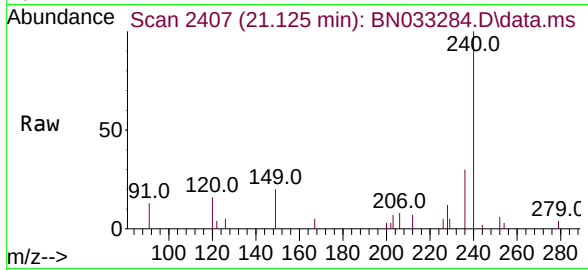
Tgt Ion:228 Resp: 670

Ion Ratio Lower Upper

228 100

226 40.9 22.4 33.6#

229 38.9 16.6 25.0#



#33

Chrysene

Concen: 0.036 ng

RT: 21.169 min Scan# 2412

Delta R.T. 0.009 min

Lab File: BN033284.D

Acq: 06 Aug 2024 21:40

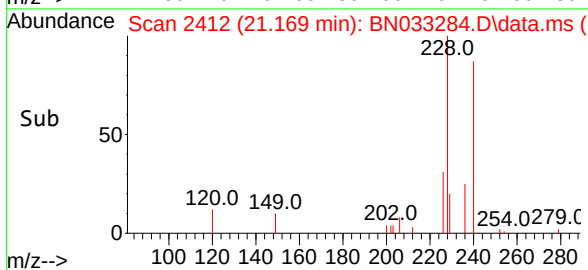
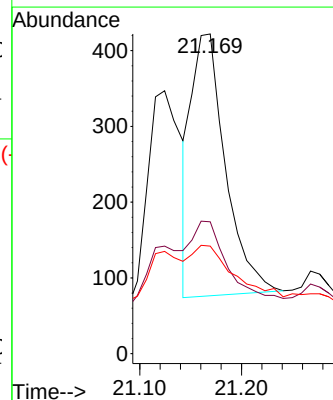
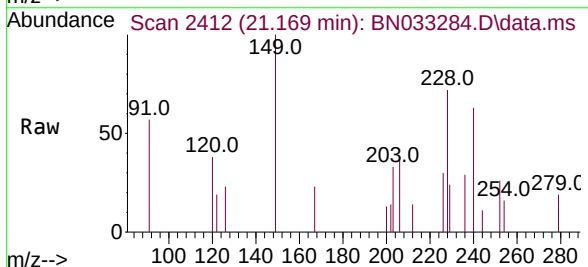
Tgt Ion:228 Resp: 806

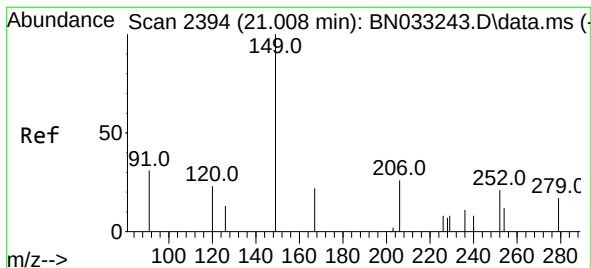
Ion Ratio Lower Upper

228 100

226 41.2 25.1 37.7#

229 33.6 16.2 24.2#

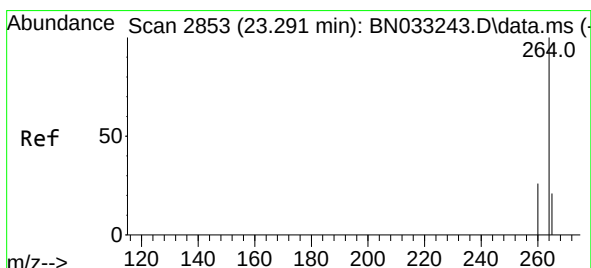
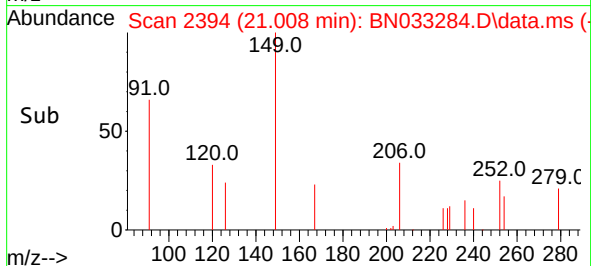
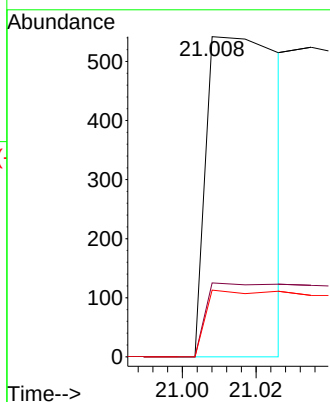
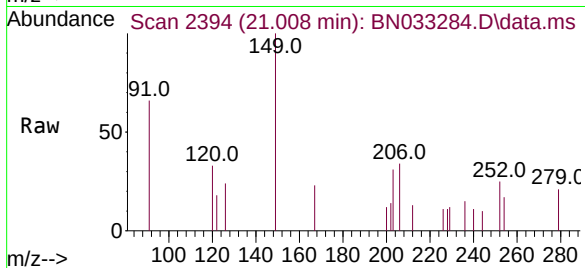




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.162 ng  
RT: 21.008 min Scan# 2100  
Delta R.T. -0.000 min  
Lab File: BN033284.D  
Acq: 06 Aug 2024 21:40

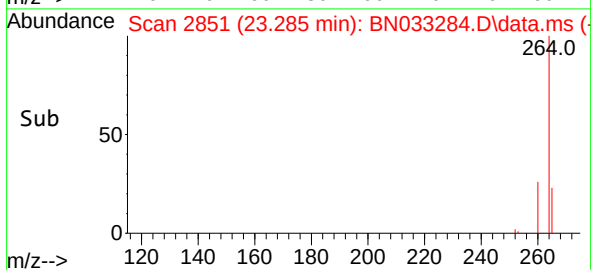
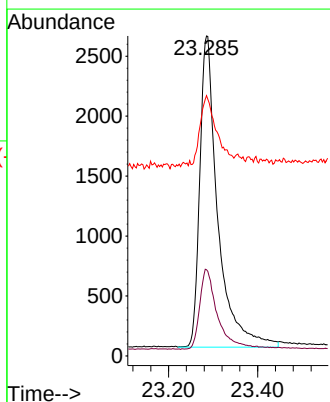
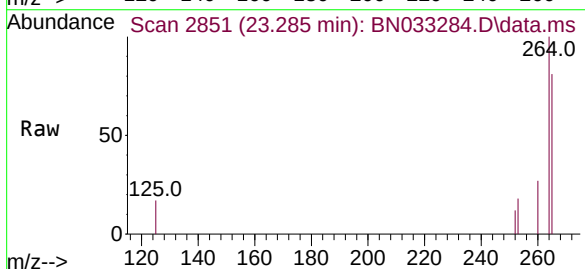
Instrument :  
BNA\_N  
ClientSampleId :  
IDW-S1-01

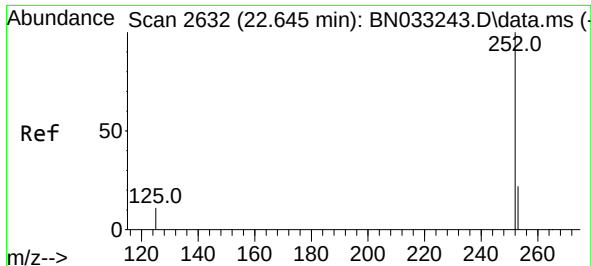
Tgt Ion:149 Resp: 651  
Ion Ratio Lower Upper  
149 100  
167 32.7 19.8 29.6#  
279 54.5 8.2 12.4#



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.285 min Scan# 2851  
Delta R.T. -0.006 min  
Lab File: BN033284.D  
Acq: 06 Aug 2024 21:40

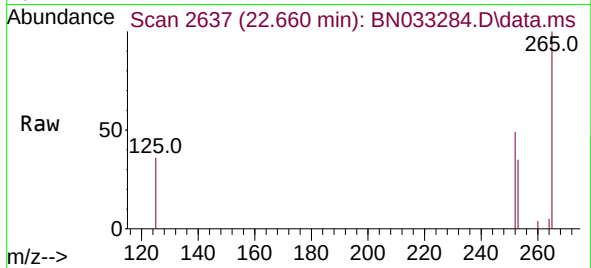
Tgt Ion:264 Resp: 7297  
Ion Ratio Lower Upper  
264 100  
260 27.0 21.4 32.2  
265 81.3 66.6 99.8



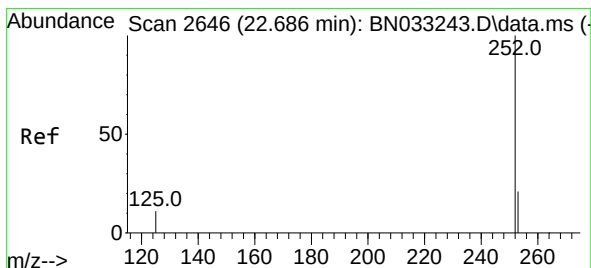
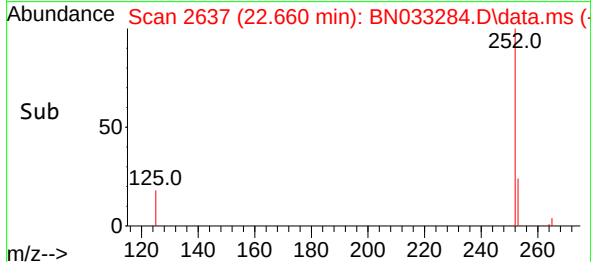
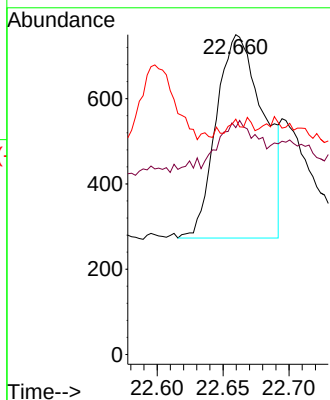


#37  
Benzo(b)fluoranthene  
Concen: 0.054 ng  
RT: 22.660 min Scan# 2637  
Delta R.T. 0.015 min  
Lab File: BN033284.D  
Acq: 06 Aug 2024 21:40

Instrument :  
BNA\_N  
ClientSampleId :  
IDW-S1-01

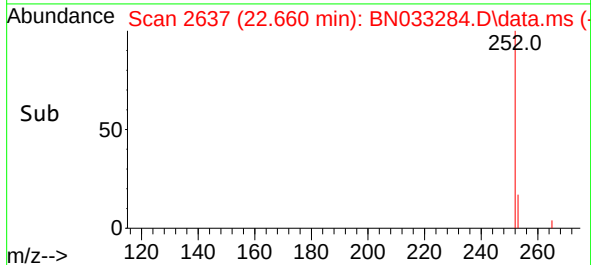
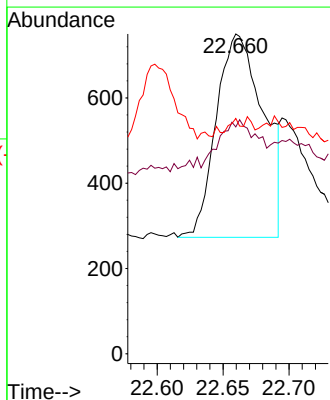
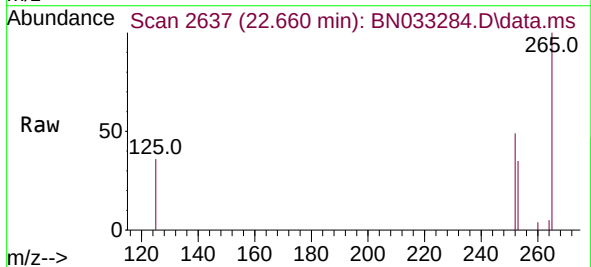


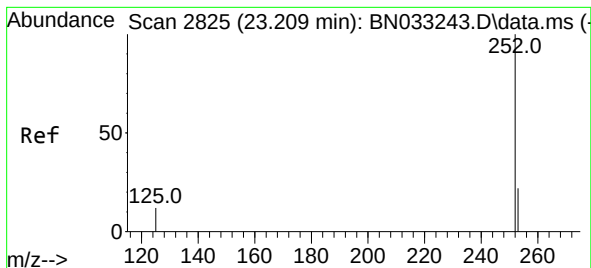
Tgt Ion:252 Resp: 1191  
Ion Ratio Lower Upper  
252 100  
253 70.9 23.3 34.9#  
125 73.6 14.6 22.0#



#38  
Benzo(k)fluoranthene  
Concen: 0.043 ng  
RT: 22.660 min Scan# 2637  
Delta R.T. -0.026 min  
Lab File: BN033284.D  
Acq: 06 Aug 2024 21:40

Tgt Ion:252 Resp: 1191  
Ion Ratio Lower Upper  
252 100  
253 70.9 23.7 35.5#  
125 73.6 15.4 23.0#





#39

Benzo(a)pyrene

Concen: 0.032 ng

RT: 23.218 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN033284.D

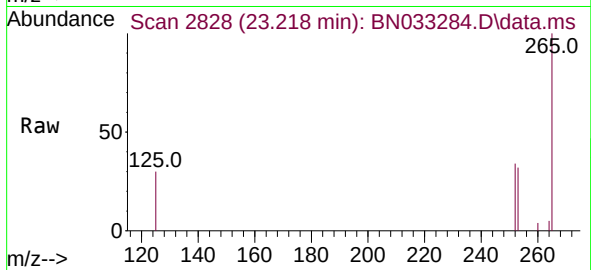
Acq: 06 Aug 2024 21:40

Instrument :

BNA\_N

ClientSampleId :

IDW-S1-01



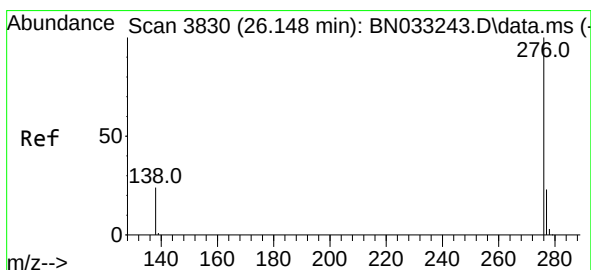
Tgt Ion:252 Resp: 705

Ion Ratio Lower Upper

252 100

253 94.1 28.4 42.6#

125 87.0 20.1 30.1#



#41

Benzo(g,h,i)perylene

Concen: 0.020 ng

RT: 26.188 min Scan# 3844

Delta R.T. 0.041 min

Lab File: BN033284.D

Acq: 06 Aug 2024 21:40

Tgt Ion:276 Resp: 606

Ion Ratio Lower Upper

276 100

277 53.9 21.0 31.4#

138 57.6 21.4 32.0#

