

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN040824\  
 Data File : BN030785.D  
 Acq On : 09 Apr 2024 01:03  
 Operator : MA/JU  
 Sample : P2008-03  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SP-303-20240404

Quant Time: Apr 16 13:39:05 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN033024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 11 12:30:40 2024  
 Response via : Initial Calibration

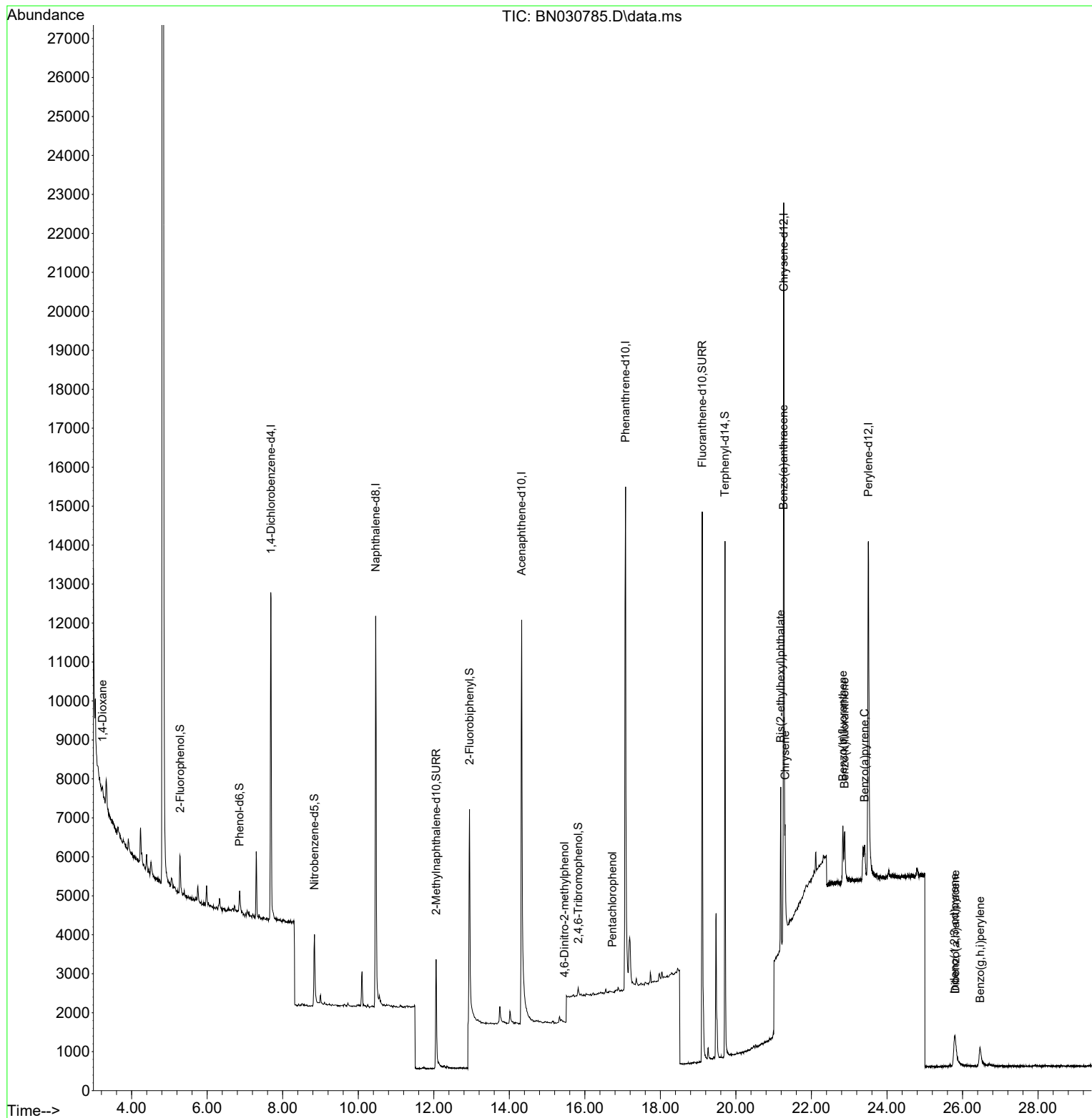
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.689  | 152  | 4641     | 0.400 | ng    | -0.01    |
| 7) Naphthalene-d8             | 10.464 | 136  | 14346    | 0.400 | ng    | -0.02    |
| 13) Acenaphthene-d10          | 14.327 | 164  | 8851     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.077 | 188  | 21933    | 0.400 | ng    | -0.01    |
| 29) Chrysene-d12              | 21.267 | 240  | 18081    | 0.400 | ng    | -0.02    |
| 35) Perylene-d12              | 23.507 | 264  | 14798    | 0.400 | ng    | #-0.02   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.284  | 112  | 1024     | 0.101 | ng    | -0.01    |
| 5) Phenol-d6                  | 6.859  | 99   | 759      | 0.058 | ng    | -0.01    |
| 8) Nitrobenzene-d5            | 8.841  | 82   | 1843     | 0.183 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.062 | 152  | 4479     | 0.204 | ng    | -0.02    |
| 14) 2,4,6-Tribromophenol      | 15.824 | 330  | 153      | 0.046 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 12.948 | 172  | 5947     | 0.174 | ng    | -0.02    |
| 27) Fluoranthene-d10          | 19.107 | 212  | 16689    | 0.282 | ng    | -0.02    |
| 31) Terphenyl-d14             | 19.711 | 244  | 13129    | 0.314 | ng    | -0.02    |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.226  | 88   | 219      | 0.039 | ng    | # 61     |
| 20) 4,6-Dinitro-2-methylph... | 15.460 | 198  | 1        | 0.172 | ng    | # 1      |
| 24) Pentachlorophenol         | 16.730 | 266  | 11       | 0.173 | ng    | # 67     |
| 32) Benzo(a)anthracene        | 21.258 | 228  | 1601     | 0.025 | ng    | # 91     |
| 33) Chrysene                  | 21.303 | 228  | 2068     | 0.030 | ng    | 94       |
| 34) Bis(2-ethylhexyl)phtha... | 21.186 | 149  | 3921     | 0.141 | ng    | # 99     |
| 36) Indeno(1,2,3-cd)pyrene    | 25.784 | 276  | 1475     | 0.023 | ng    | # 80     |
| 37) Benzo(b)fluoranthene      | 22.831 | 252  | 1958     | 0.033 | ng    | # 12     |
| 38) Benzo(k)fluoranthene      | 22.878 | 252  | 1974     | 0.033 | ng    | # 18     |
| 39) Benzo(a)pyrene            | 23.410 | 252  | 1158     | 0.024 | ng    | # 1      |
| 40) Dibenzo(a,h)anthracene    | 25.811 | 278  | 1060     | 0.020 | ng    | # 16     |
| 41) Benzo(g,h,i)perylene      | 26.465 | 276  | 1279     | 0.023 | ng    | # 57     |

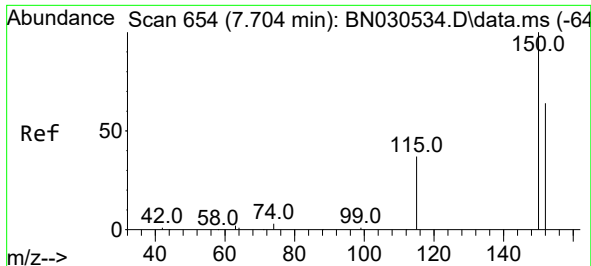
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN040824\  
Data File : BN030785.D  
Acq On : 09 Apr 2024 01:03  
Operator : MA/JU  
Sample : P2008-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SP-303-20240404

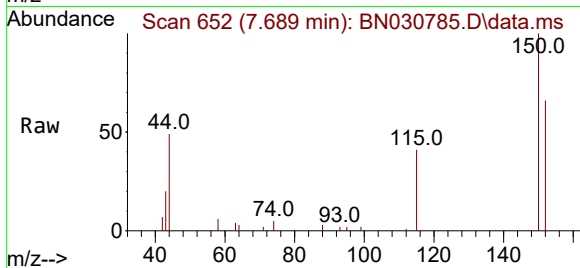
Quant Time: Apr 16 13:39:05 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN033024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 11 12:30:40 2024  
Response via : Initial Calibration



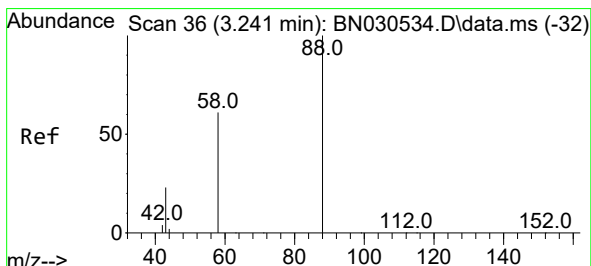
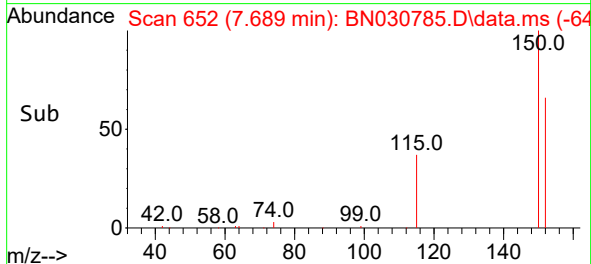
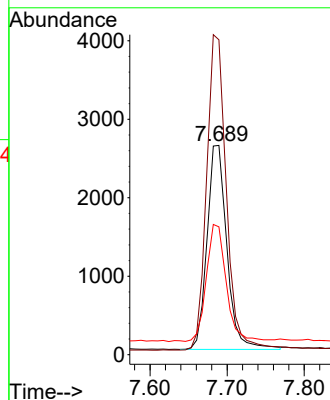


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.689 min Scan# 61  
 Delta R.T. -0.015 min  
 Lab File: BN030785.D  
 Acq: 09 Apr 2024 01:03

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SP-303-20240404

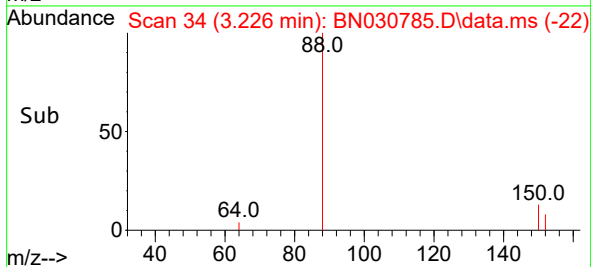
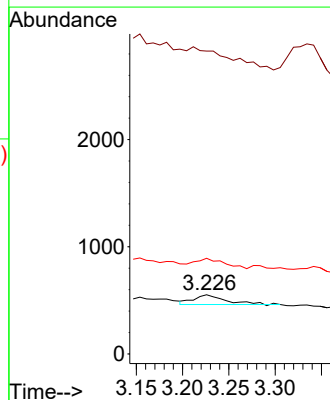
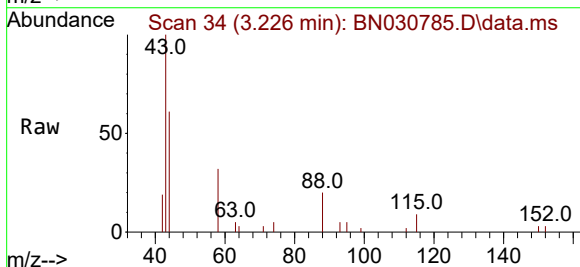


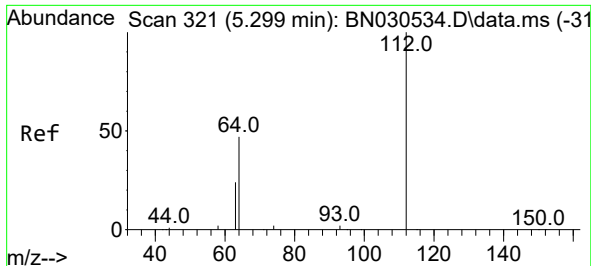
Tgt Ion:152 Resp: 4641  
 Ion Ratio Lower Upper  
 152 100  
 150 150.4 124.2 186.4  
 115 61.1 48.6 72.8



#2  
 1,4-Dioxane  
 Concen: 0.039 ng  
 RT: 3.226 min Scan# 34  
 Delta R.T. -0.015 min  
 Lab File: BN030785.D  
 Acq: 09 Apr 2024 01:03

Tgt Ion: 88 Resp: 219  
 Ion Ratio Lower Upper  
 88 100  
 43 0.0 21.9 32.9#  
 58 93.6 53.4 80.2#

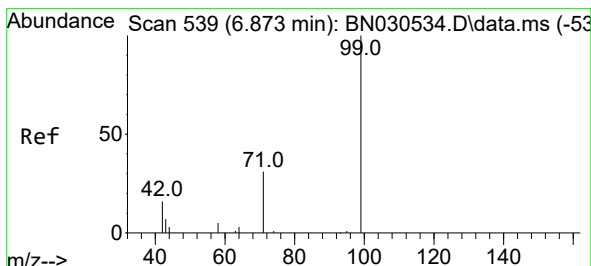
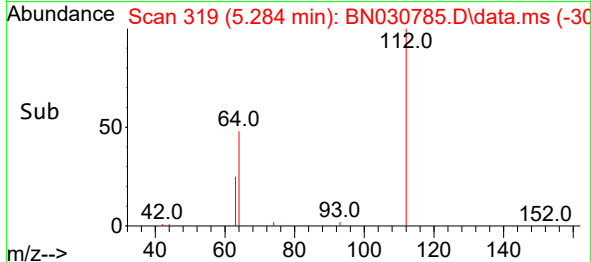
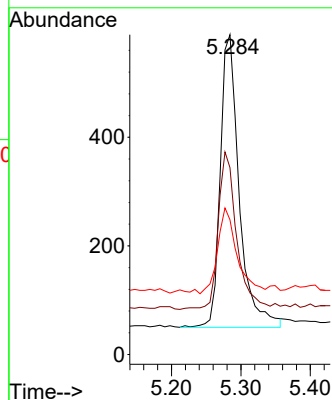
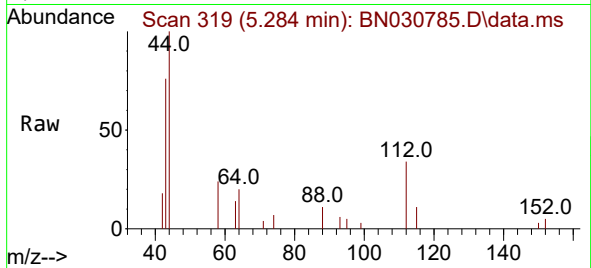




#4  
2-Fluorophenol  
Concen: 0.101 ng  
RT: 5.284 min Scan# 31  
Delta R.T. -0.015 min  
Lab File: BN030785.D  
Acq: 09 Apr 2024 01:03

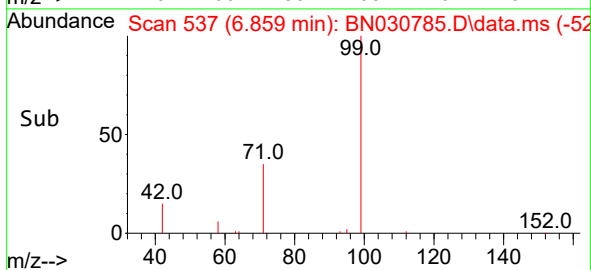
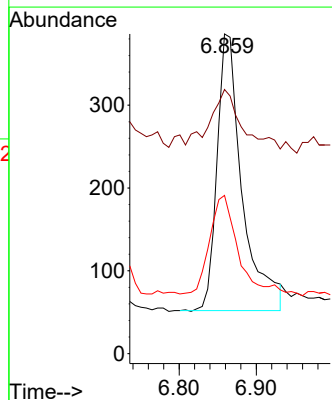
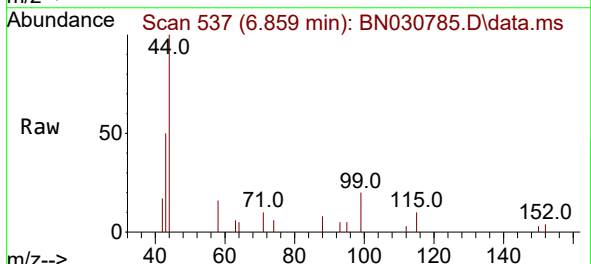
Instrument :  
BNA\_N  
ClientSampleId :  
SP-303-20240404

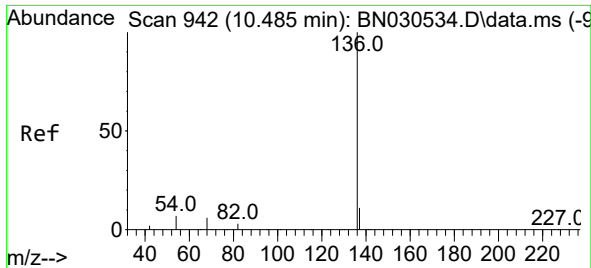
Tgt Ion:112 Resp: 1024  
Ion Ratio Lower Upper  
112 100  
64 52.3 43.2 64.8  
63 28.6 22.5 33.7



#5  
Phenol-d6  
Concen: 0.058 ng  
RT: 6.859 min Scan# 537  
Delta R.T. -0.015 min  
Lab File: BN030785.D  
Acq: 09 Apr 2024 01:03

Tgt Ion: 99 Resp: 759  
Ion Ratio Lower Upper  
99 100  
42 26.6 15.8 23.6#  
71 39.3 25.9 38.9#

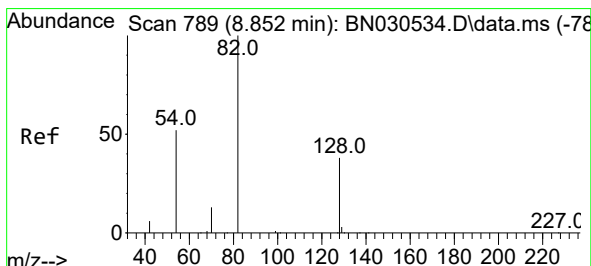
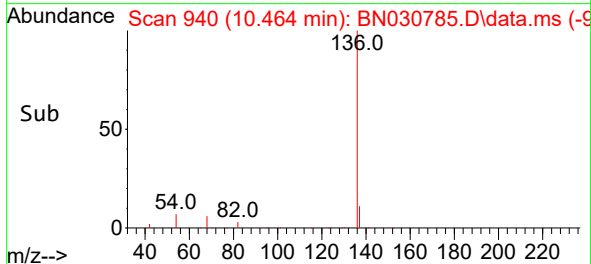
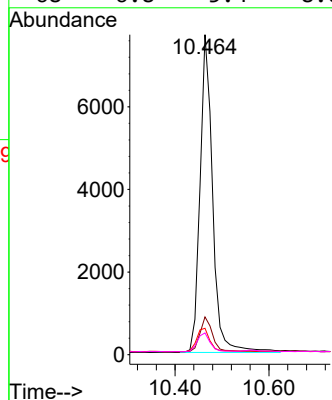
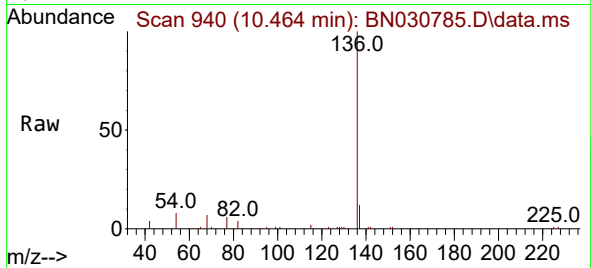




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.464 min Scan# 94  
Delta R.T. -0.021 min  
Lab File: BN030785.D  
Acq: 09 Apr 2024 01:03

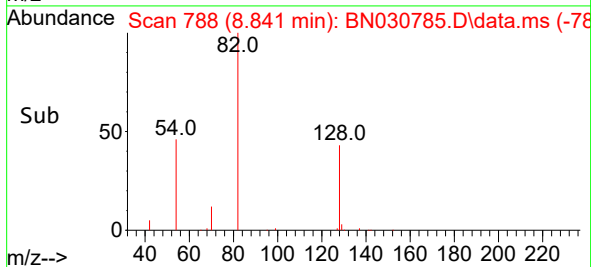
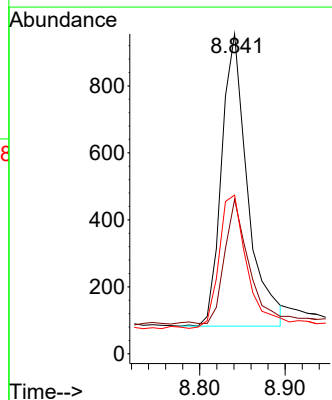
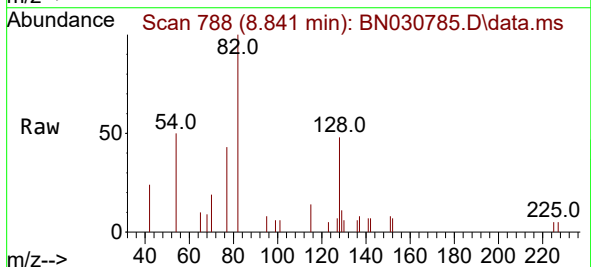
Instrument :  
BNA\_N  
ClientSampleId :  
SP-303-20240404

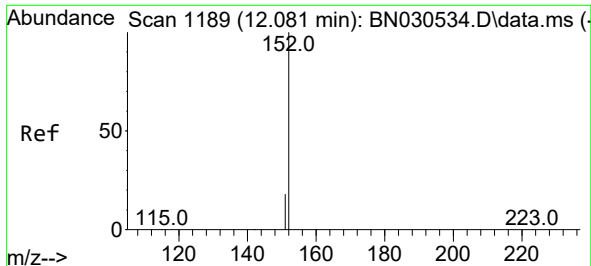
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 14346 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.8  | 9.1   | 13.7  |
| 54        | 8.3   | 6.4   | 9.6   |
| 68        | 6.8   | 5.4   | 8.0   |



#8  
Nitrobenzene-d5  
Concen: 0.183 ng  
RT: 8.841 min Scan# 788  
Delta R.T. -0.011 min  
Lab File: BN030785.D  
Acq: 09 Apr 2024 01:03

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 1843 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 48.3  | 32.3  | 48.5 |
| 54        | 49.6  | 42.7  | 64.1 |

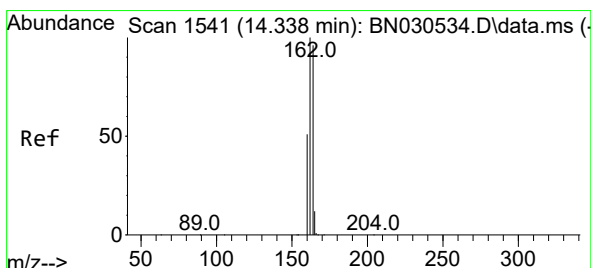
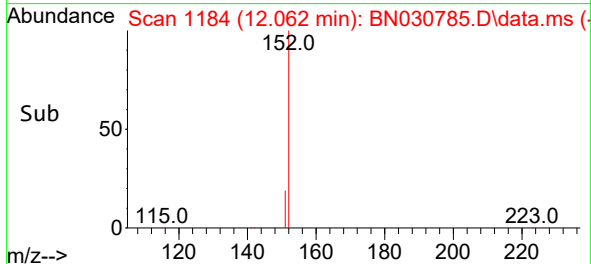
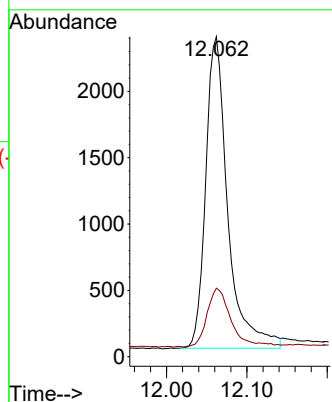
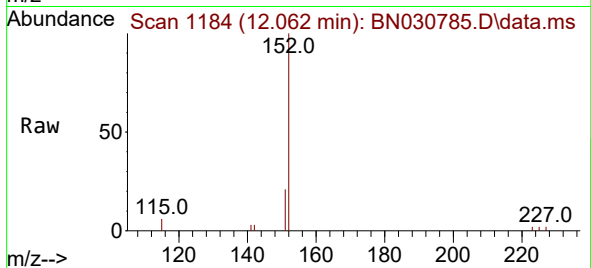




#11  
2-Methylnaphthalene-d10  
Concen: 0.204 ng  
RT: 12.062 min Scan# 1184  
Delta R.T. -0.019 min  
Lab File: BN030785.D  
Acq: 09 Apr 2024 01:03

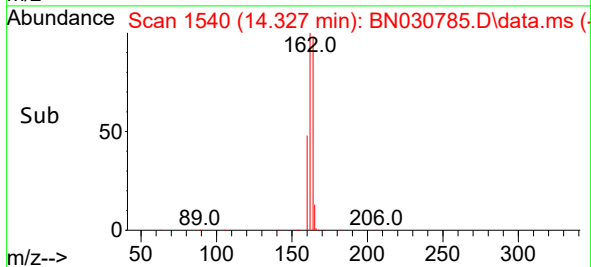
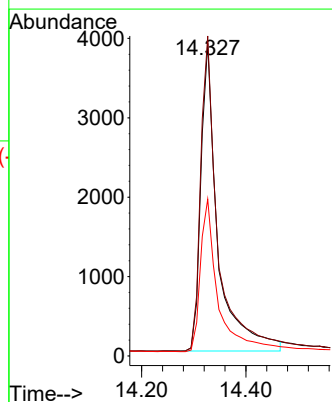
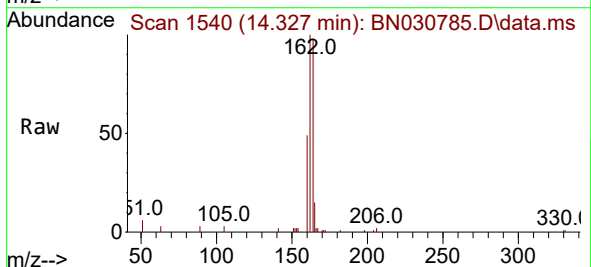
Instrument :  
BNA\_N  
ClientSampleId :  
SP-303-20240404

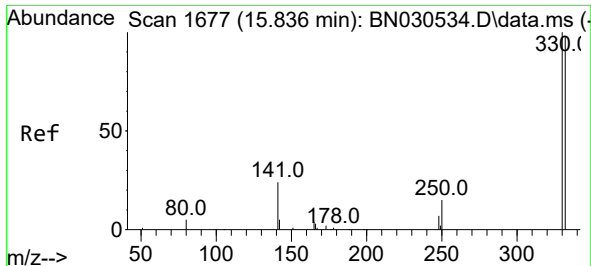
Tgt Ion:152 Resp: 4479  
Ion Ratio Lower Upper  
152 100  
151 20.5 16.7 25.1



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.327 min Scan# 1540  
Delta R.T. -0.011 min  
Lab File: BN030785.D  
Acq: 09 Apr 2024 01:03

Tgt Ion:164 Resp: 8851  
Ion Ratio Lower Upper  
164 100  
162 102.4 83.5 125.3  
160 50.2 42.5 63.7

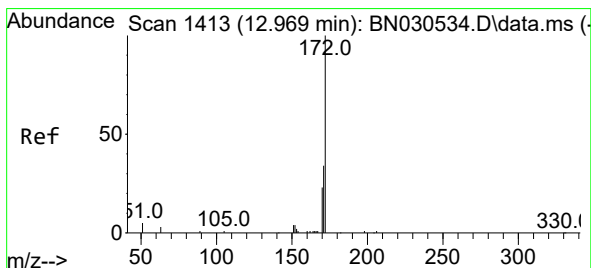
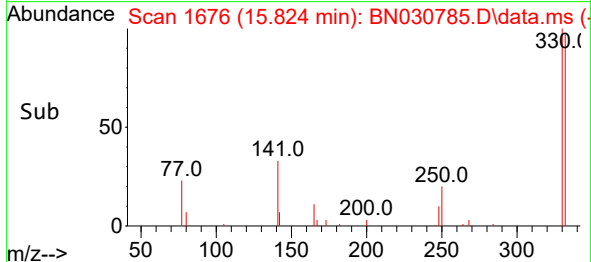
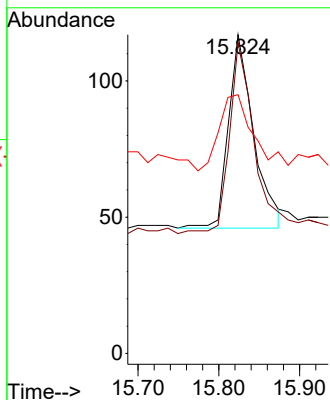
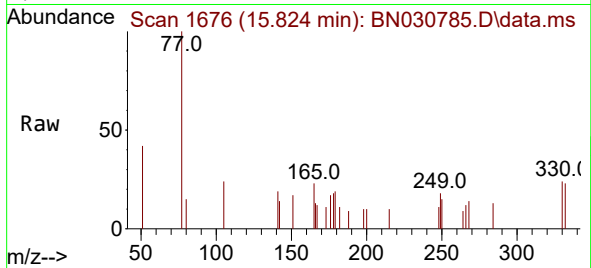




#14  
2,4,6-Tribromophenol  
Concen: 0.046 ng  
RT: 15.824 min Scan# 1  
Delta R.T. -0.013 min  
Lab File: BN030785.D  
Acq: 09 Apr 2024 01:03

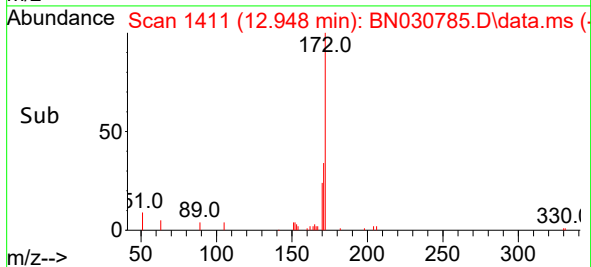
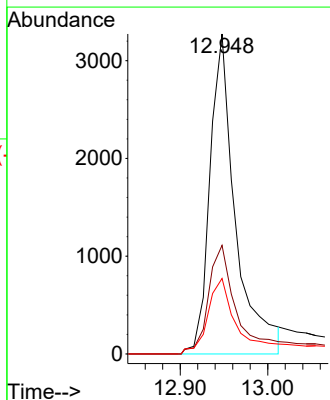
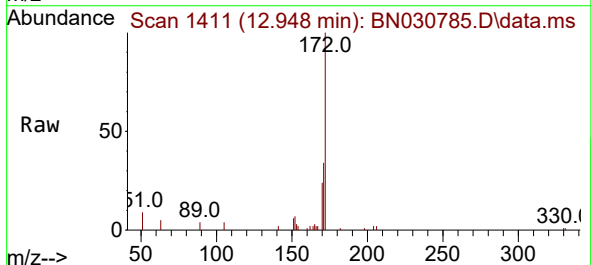
Instrument :  
BNA\_N  
ClientSampleId :  
SP-303-20240404

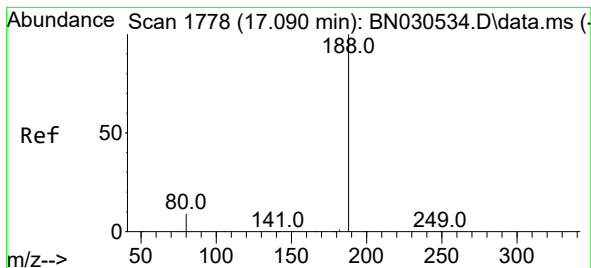
Tgt Ion:330 Resp: 153  
Ion Ratio Lower Upper  
330 100  
332 91.5 77.0 115.6  
141 50.3 35.9 53.9



#15  
2-Fluorobiphenyl  
Concen: 0.174 ng  
RT: 12.948 min Scan# 1411  
Delta R.T. -0.022 min  
Lab File: BN030785.D  
Acq: 09 Apr 2024 01:03

Tgt Ion:172 Resp: 5947  
Ion Ratio Lower Upper  
172 100  
171 33.9 27.1 40.7  
170 23.6 18.3 27.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.077 min Scan# 1

Delta R.T. -0.013 min

Lab File: BN030785.D

Acq: 09 Apr 2024 01:03

Instrument :

BNA\_N

ClientSampleId :

SP-303-20240404

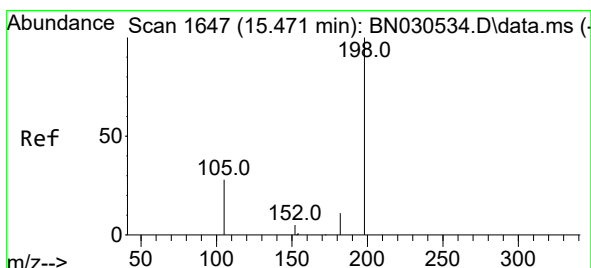
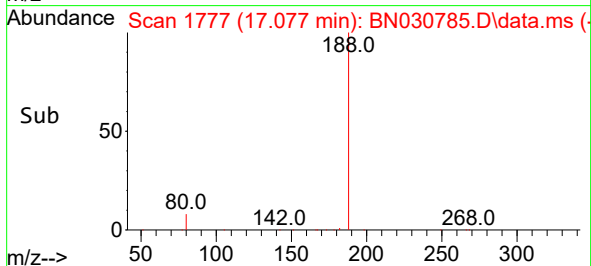
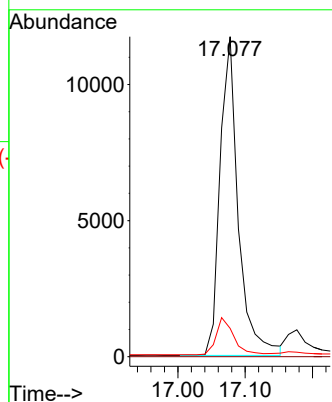
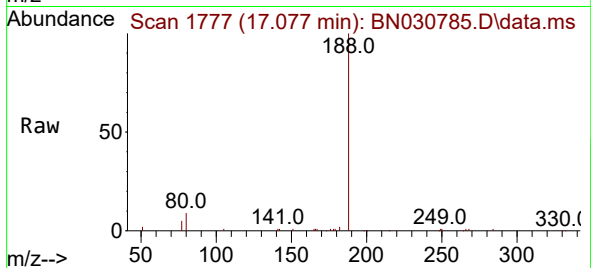
Tgt Ion:188 Resp: 21933

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.8 7.4 11.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.172 ng

RT: 15.460 min Scan# 1646

Delta R.T. -0.011 min

Lab File: BN030785.D

Acq: 09 Apr 2024 01:03

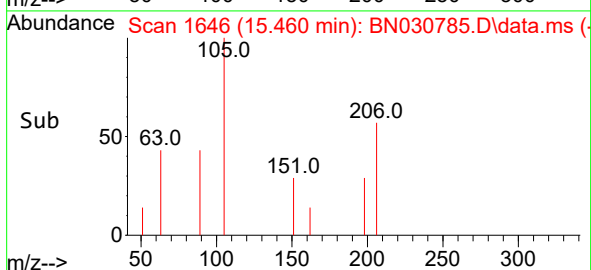
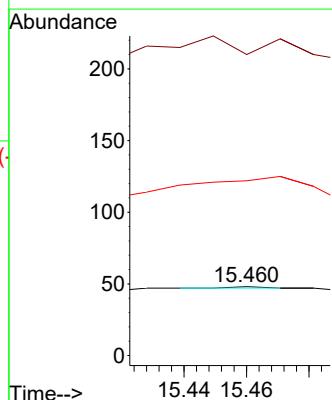
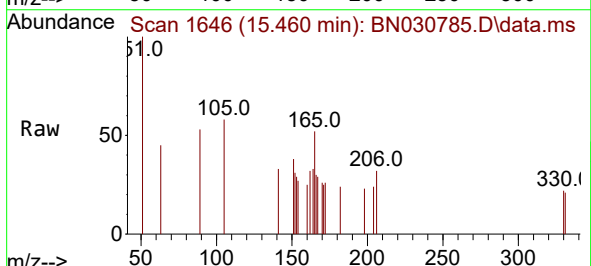
Tgt Ion:198 Resp: 1

Ion Ratio Lower Upper

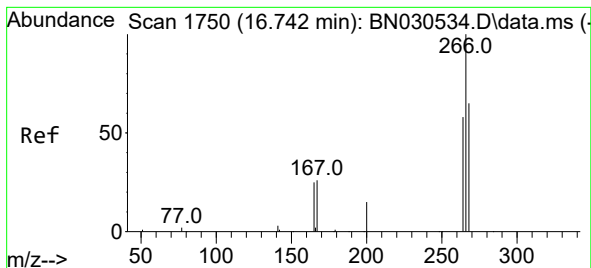
198 100

51 437.5 57.8 86.6#

105 254.2 37.5 56.3#







#24

Pentachlorophenol

Concen: 0.173 ng

RT: 16.730 min Scan# 11

Delta R.T. -0.012 min

Lab File: BN030785.D

Acq: 09 Apr 2024 01:03

Instrument :

BNA\_N

ClientSampleId :

SP-303-20240404

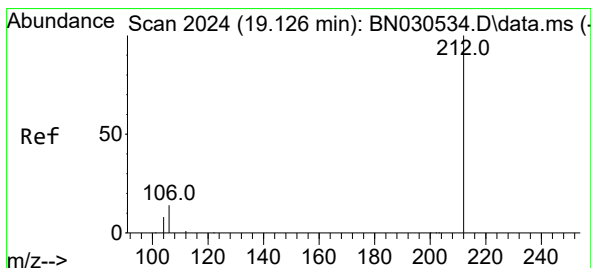
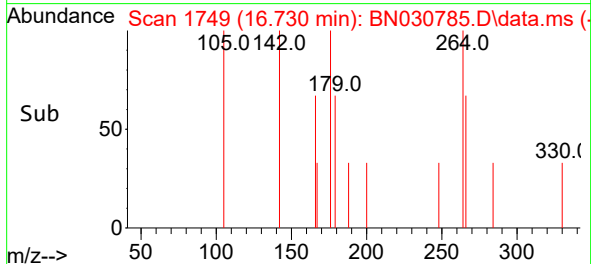
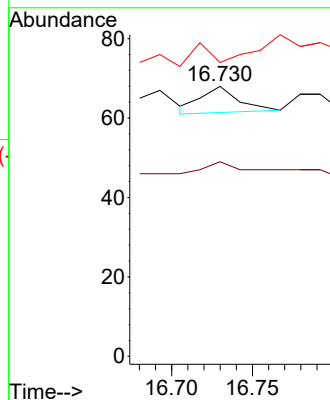
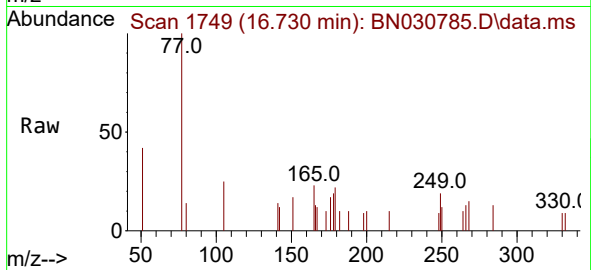
Tgt Ion:266 Resp: 11

Ion Ratio Lower Upper

266 100

264 36.4 48.7 73.1#

268 36.4 49.5 74.3#



#27

Fluoranthene-d10

Concen: 0.282 ng

RT: 19.107 min Scan# 2020

Delta R.T. -0.019 min

Lab File: BN030785.D

Acq: 09 Apr 2024 01:03

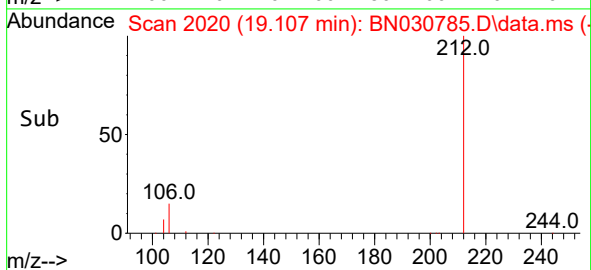
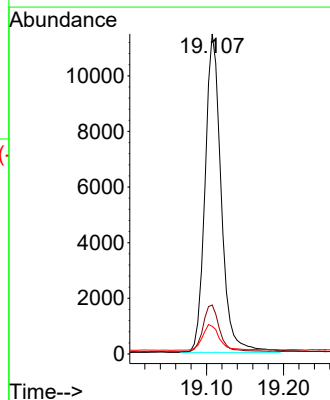
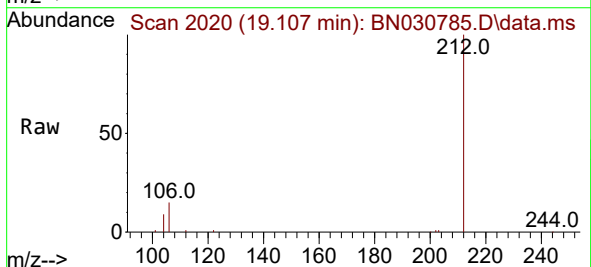
Tgt Ion:212 Resp: 16689

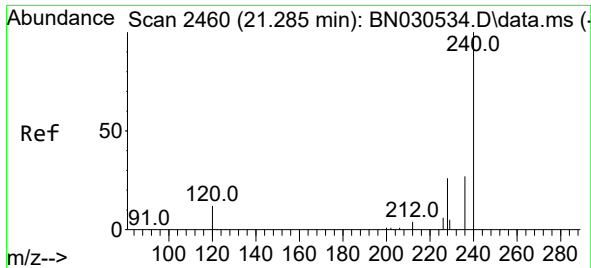
Ion Ratio Lower Upper

212 100

106 15.3 11.8 17.6

104 8.4 6.6 9.8

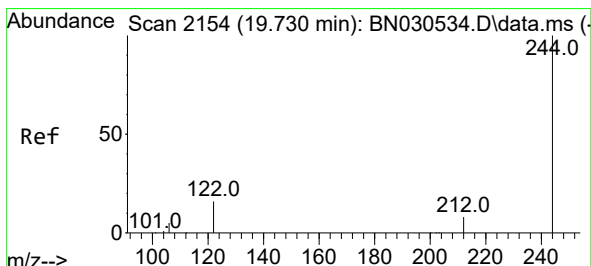
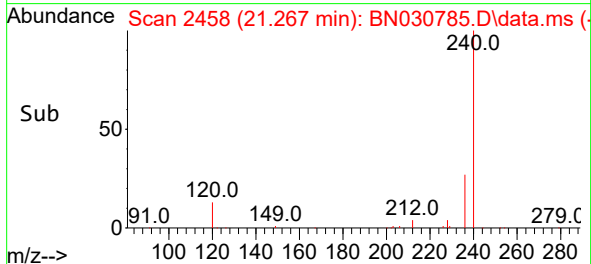
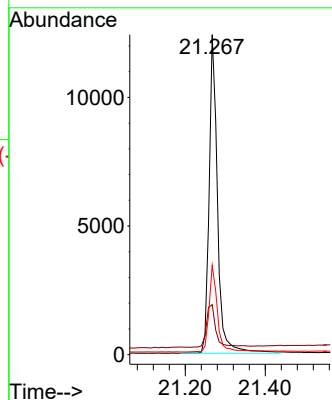
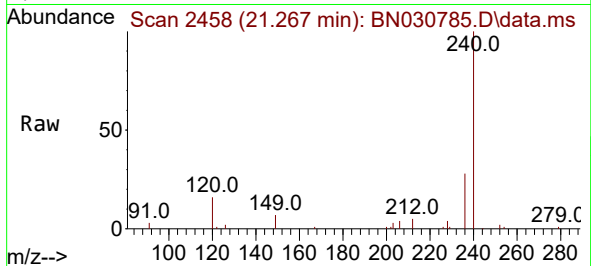




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.267 min Scan# 2458  
Delta R.T. -0.018 min  
Lab File: BN030785.D  
Acq: 09 Apr 2024 01:03

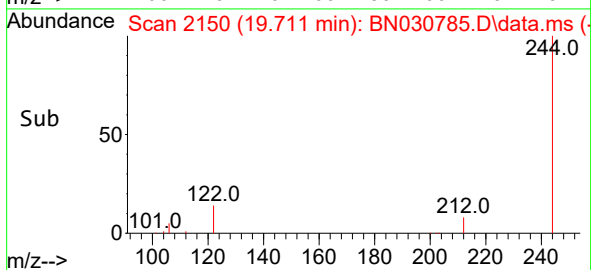
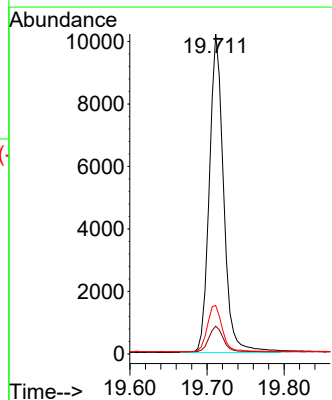
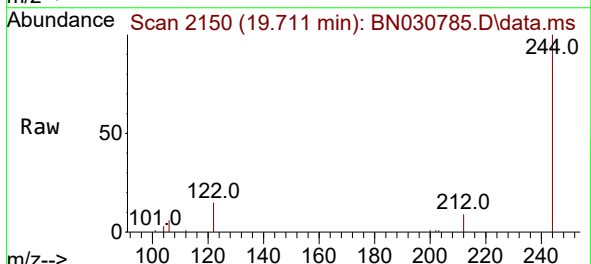
Instrument :  
BNA\_N  
ClientSampleId :  
SP-303-20240404

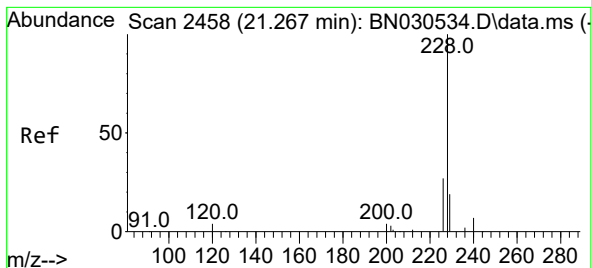
Tgt Ion:240 Resp: 18081  
Ion Ratio Lower Upper  
240 100  
120 15.7 10.6 15.8  
236 27.9 22.1 33.1



#31  
Terphenyl-d14  
Concen: 0.314 ng  
RT: 19.711 min Scan# 2150  
Delta R.T. -0.019 min  
Lab File: BN030785.D  
Acq: 09 Apr 2024 01:03

Tgt Ion:244 Resp: 13129  
Ion Ratio Lower Upper  
244 100  
212 8.7 6.9 10.3  
122 15.1 12.7 19.1





#32

Benzo(a)anthracene

Concen: 0.025 ng

RT: 21.258 min Scan# 2458

Delta R.T. -0.009 min

Lab File: BN030785.D

Acq: 09 Apr 2024 01:03

Instrument :

BNA\_N

ClientSampleId :

SP-303-20240404

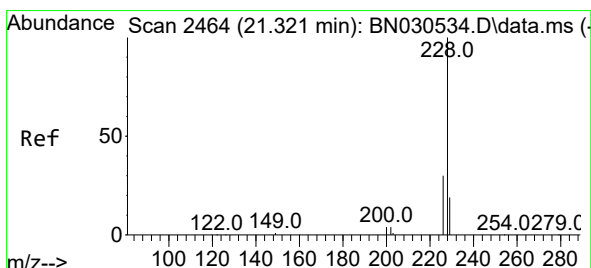
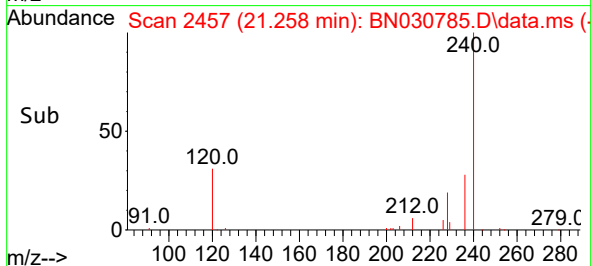
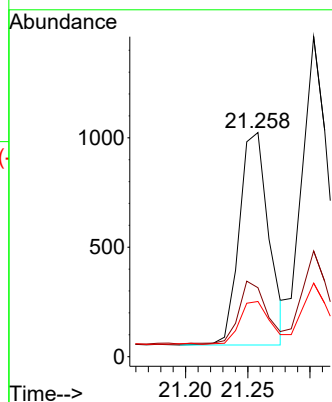
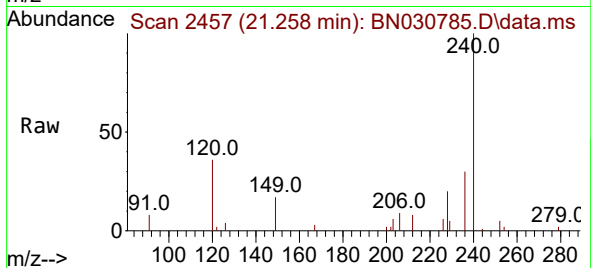
Tgt Ion:228 Resp: 1601

Ion Ratio Lower Upper

228 100

226 30.8 21.8 32.8

229 24.6 15.4 23.2#



#33

Chrysene

Concen: 0.030 ng

RT: 21.303 min Scan# 2462

Delta R.T. -0.018 min

Lab File: BN030785.D

Acq: 09 Apr 2024 01:03

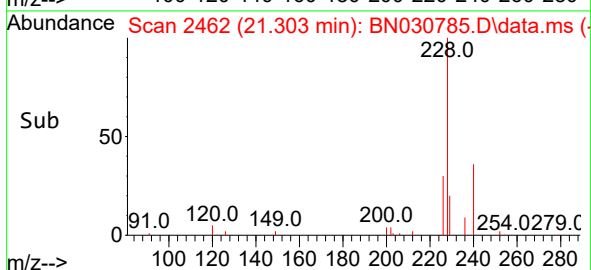
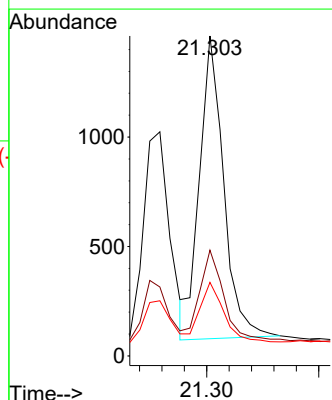
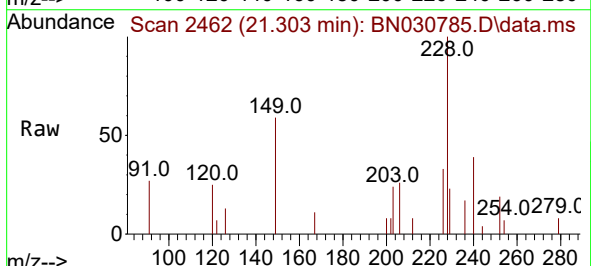
Tgt Ion:228 Resp: 2068

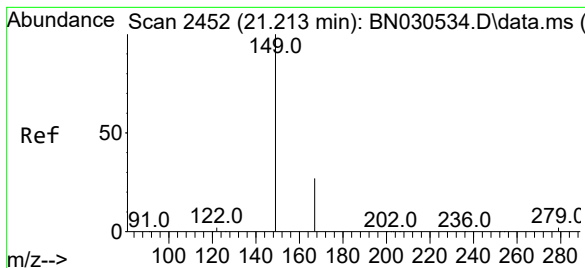
Ion Ratio Lower Upper

228 100

226 33.0 24.3 36.5

229 23.0 15.8 23.6

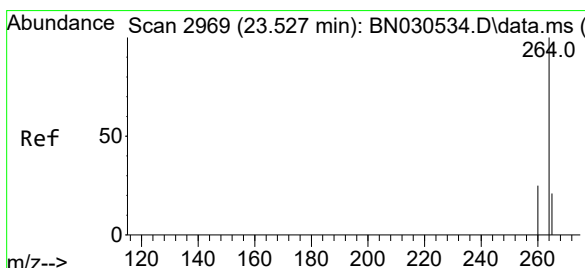
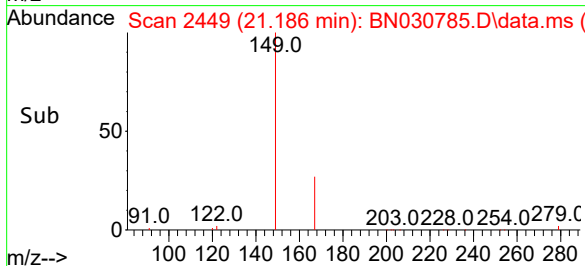
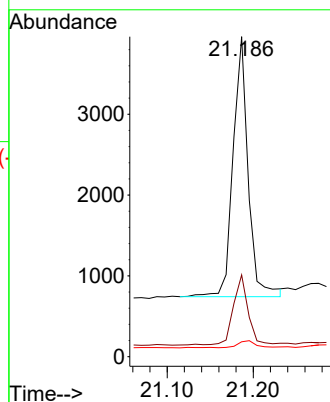
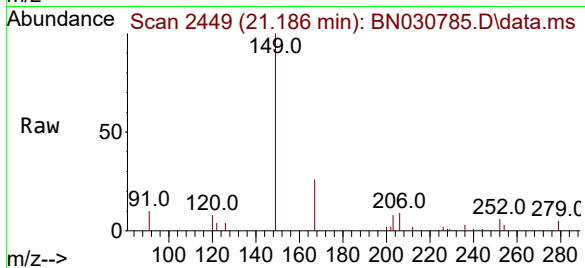




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.141 ng  
RT: 21.186 min Scan# 2449  
Delta R.T. -0.027 min  
Lab File: BN030785.D  
Acq: 09 Apr 2024 01:03

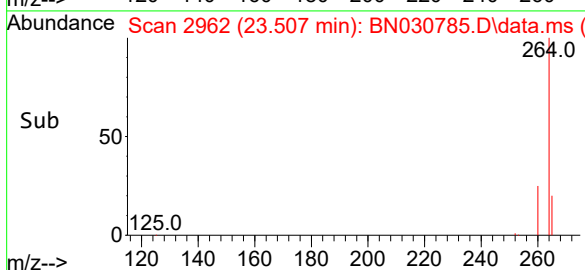
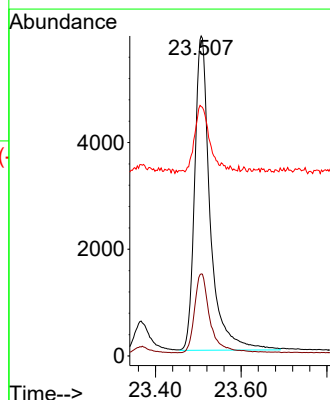
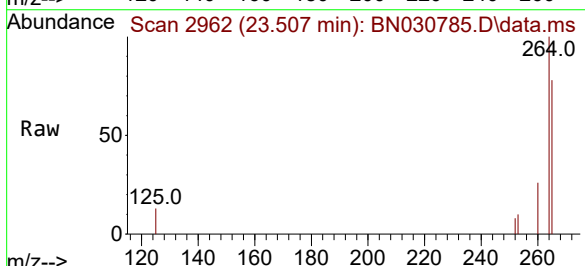
Instrument :  
BNA\_N  
ClientSampleId :  
SP-303-20240404

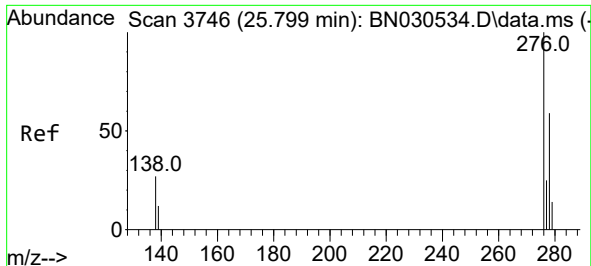
Tgt Ion:149 Resp: 3921  
Ion Ratio Lower Upper  
149 100  
167 27.0 21.4 32.0  
279 4.0 2.3 3.5#



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.507 min Scan# 2962  
Delta R.T. -0.021 min  
Lab File: BN030785.D  
Acq: 09 Apr 2024 01:03

Tgt Ion:264 Resp: 14798  
Ion Ratio Lower Upper  
264 100  
260 25.6 20.6 30.8  
265 78.0 41.8 62.8#

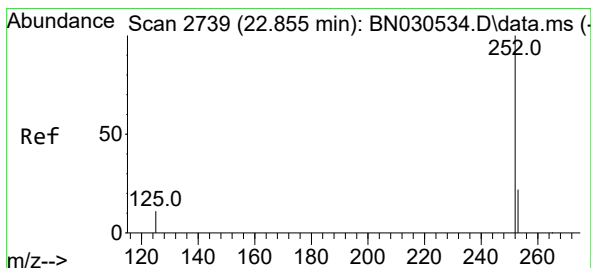
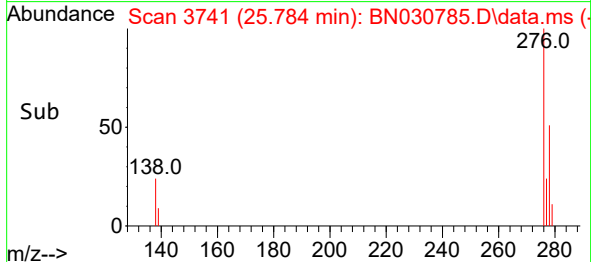
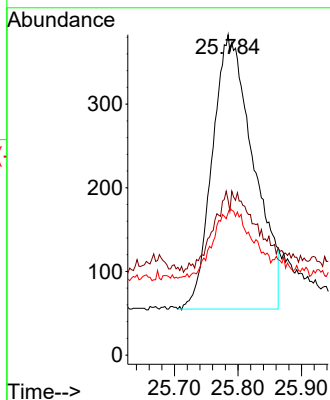
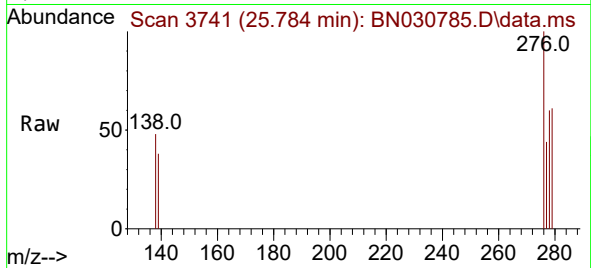




#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.023 ng  
RT: 25.784 min Scan# 31  
Delta R.T. -0.015 min  
Lab File: BN030785.D  
Acq: 09 Apr 2024 01:03

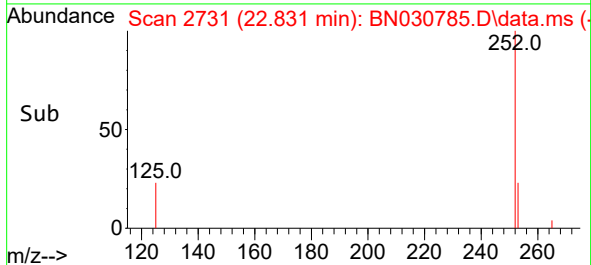
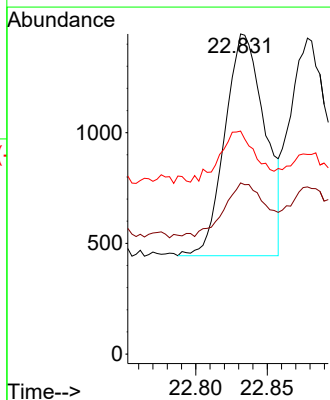
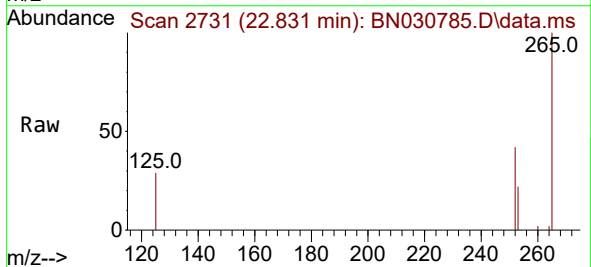
Instrument :  
BNA\_N  
ClientSampleId :  
SP-303-20240404

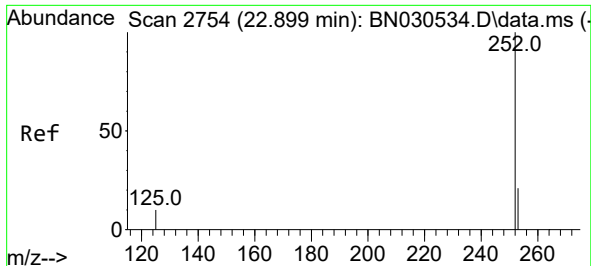
Tgt Ion:276 Resp: 1475  
Ion Ratio Lower Upper  
276 100  
138 10.7 23.0 34.4#  
277 23.4 20.1 30.1



#37  
Benzo(b)fluoranthene  
Concen: 0.033 ng  
RT: 22.831 min Scan# 2731  
Delta R.T. -0.024 min  
Lab File: BN030785.D  
Acq: 09 Apr 2024 01:03

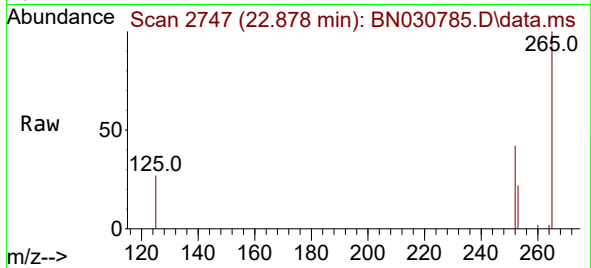
Tgt Ion:252 Resp: 1958  
Ion Ratio Lower Upper  
252 100  
253 53.5 19.2 28.8#  
125 69.6 11.7 17.5#



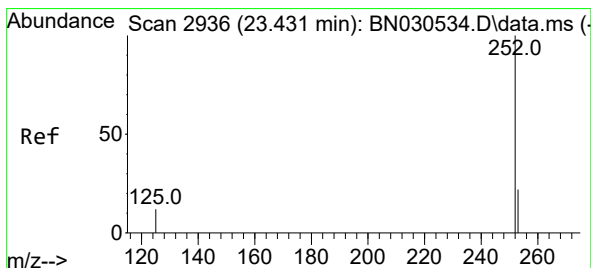
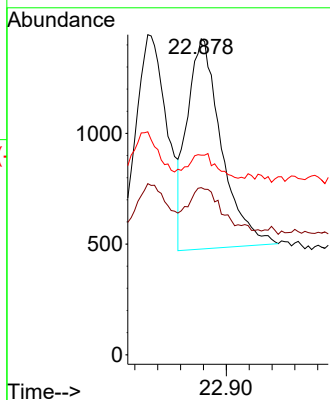


#38  
Benzo(k)fluoranthene  
Concen: 0.033 ng  
RT: 22.878 min Scan# 21  
Delta R.T. -0.021 min  
Lab File: BN030785.D  
Acq: 09 Apr 2024 01:03

Instrument :  
BNA\_N  
ClientSampleId :  
SP-303-20240404

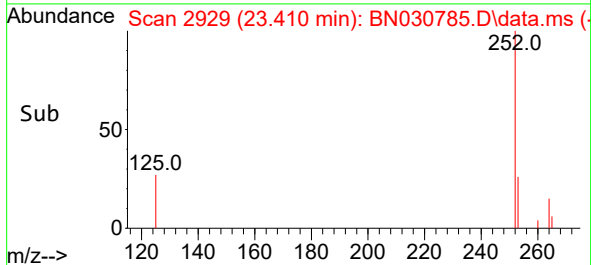
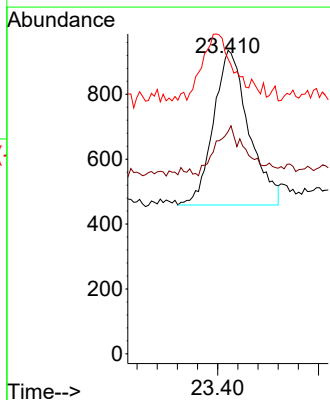
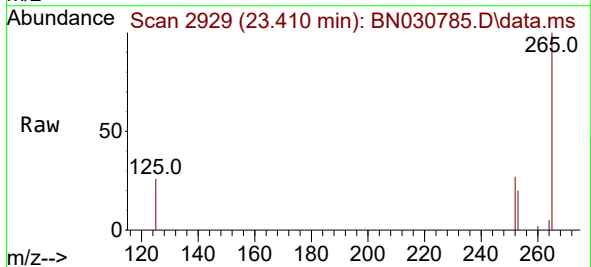


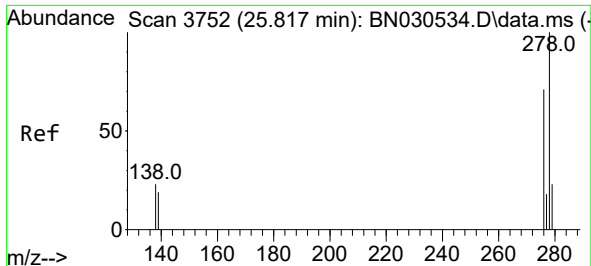
Tgt Ion:252 Resp: 1974  
Ion Ratio Lower Upper  
252 100  
253 52.9 18.9 28.3#  
125 63.2 11.5 17.3#



#39  
Benzo(a)pyrene  
Concen: 0.024 ng  
RT: 23.410 min Scan# 2929  
Delta R.T. -0.021 min  
Lab File: BN030785.D  
Acq: 09 Apr 2024 01:03

Tgt Ion:252 Resp: 1158  
Ion Ratio Lower Upper  
252 100  
253 73.3 20.0 30.0#  
125 97.2 14.3 21.5#

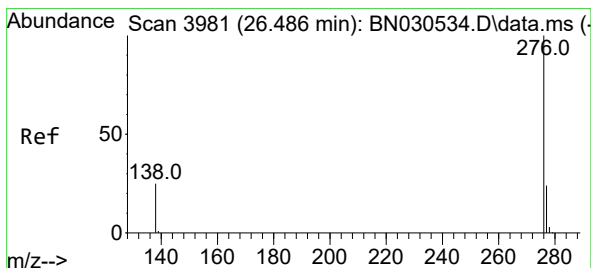
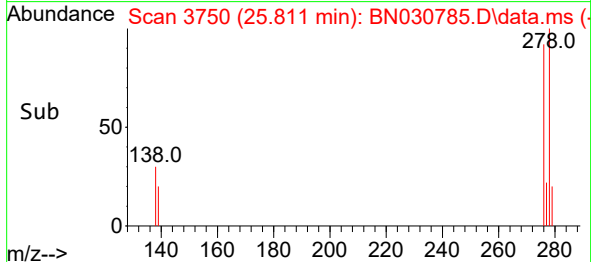
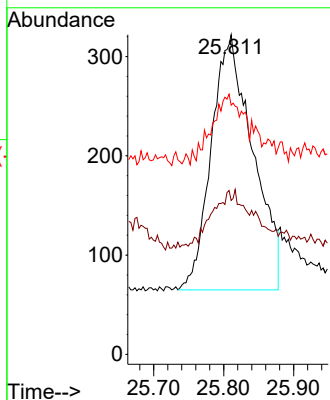
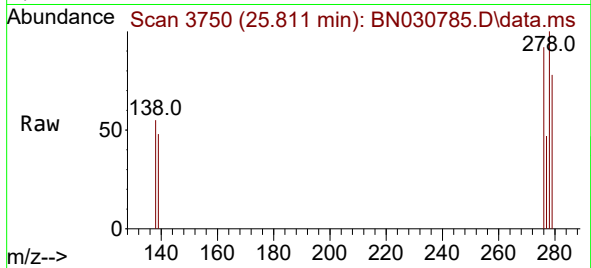




#40  
Dibenzo(a,h)anthracene  
Concen: 0.020 ng  
RT: 25.811 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BN030785.D  
Acq: 09 Apr 2024 01:03

Instrument :  
BNA\_N  
ClientSampleId :  
SP-303-20240404

Tgt Ion:278 Resp: 1060  
Ion Ratio Lower Upper  
278 100  
139 48.1 16.2 24.2#  
279 78.0 20.6 30.8#



#41  
Benzo(g,h,i)perylene  
Concen: 0.023 ng  
RT: 26.465 min Scan# 3974  
Delta R.T. -0.021 min  
Lab File: BN030785.D  
Acq: 09 Apr 2024 01:03

Tgt Ion:276 Resp: 1279  
Ion Ratio Lower Upper  
276 100  
277 44.1 19.8 29.6#  
138 49.5 20.6 31.0#

