

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061924\  
 Data File : BN032086.D  
 Acq On : 20 Jun 2024 02:05  
 Operator : MA/JU  
 Sample : P2891-02  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-196-GW-360-362

Quant Time: Jun 20 02:30:13 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN061024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 19 11:30:34 2024  
 Response via : Initial Calibration

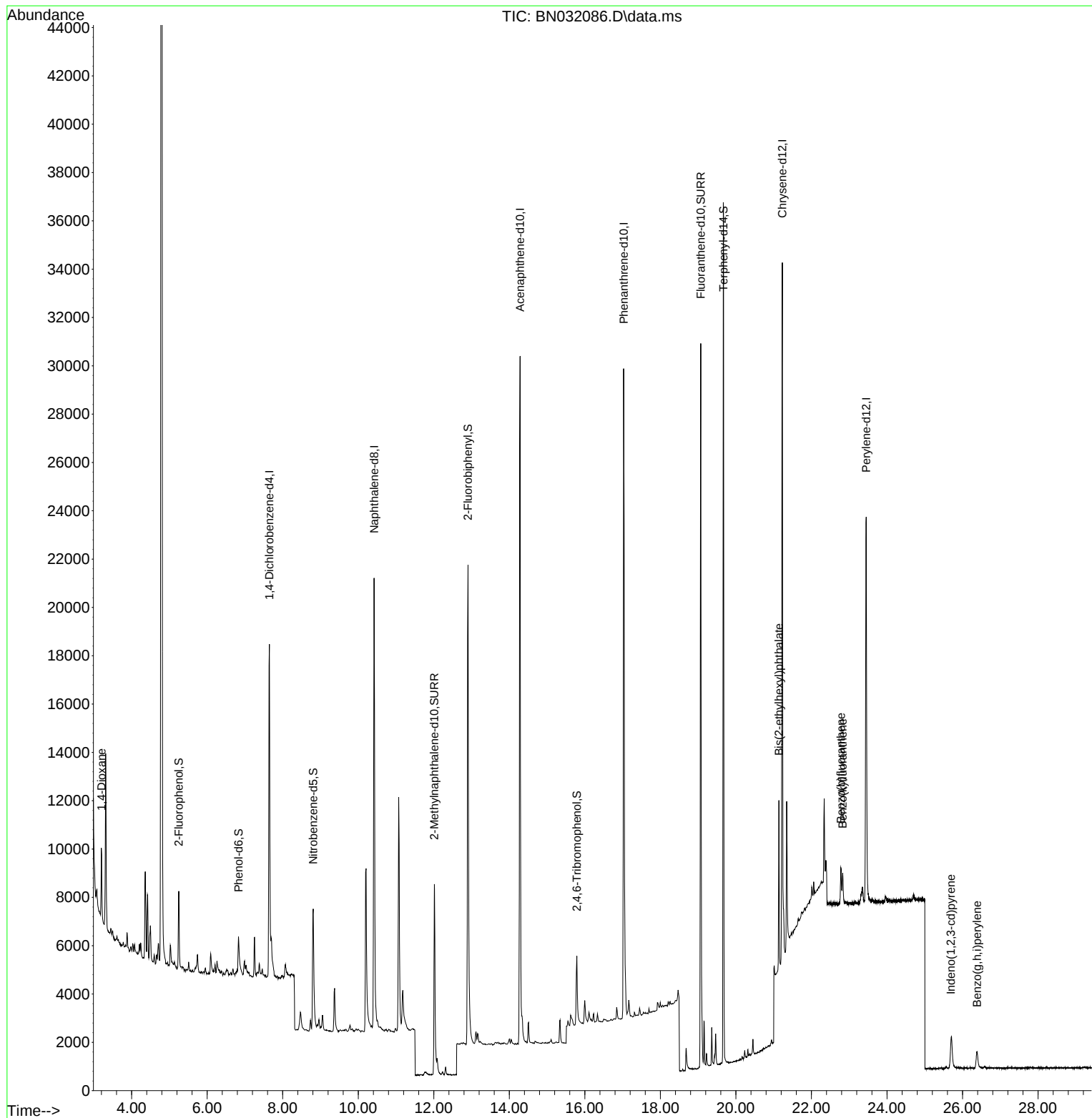
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.646  | 152  | 8056     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.421 | 136  | 28312    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.285 | 164  | 19316    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.029 | 188  | 42149    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.229 | 240  | 28119    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.449 | 264  | 22407    | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.248  | 112  | 3052     | 0.133 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.830  | 99   | 2577     | 0.086 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.809  | 82   | 6142     | 0.261 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10   | 12.017 | 152  | 13653    | 0.303 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.787 | 330  | 2082     | 0.225 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.906 | 172  | 23943    | 0.327 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.068 | 212  | 36090    | 0.315 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.672 | 244  | 35673    | 0.519 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.204  | 88   | 2110     | 0.214 | ng    | # 84     |
| 34) Bis(2-ethylhexyl)phtha... | 21.139 | 149  | 6113     | 0.085 | ng    | 97       |
| 36) Indeno(1,2,3-cd)pyrene    | 25.694 | 276  | 1901     | 0.023 | ng    | 94       |
| 37) Benzo(b)fluoranthene      | 22.782 | 252  | 1960     | 0.024 | ng    | # 6      |
| 38) Benzo(k)fluoranthene      | 22.826 | 252  | 1753     | 0.023 | ng    | # 1      |
| 41) Benzo(g,h,i)perylene      | 26.384 | 276  | 1611     | 0.023 | ng    | # 54     |
| -----                         |        |      |          |       |       |          |

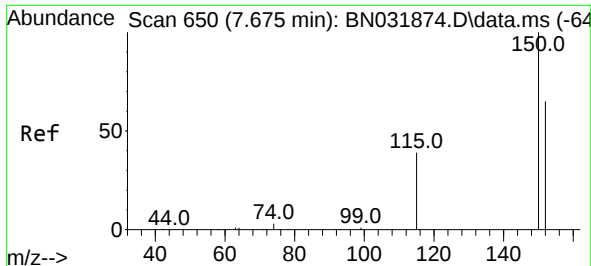
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061924\  
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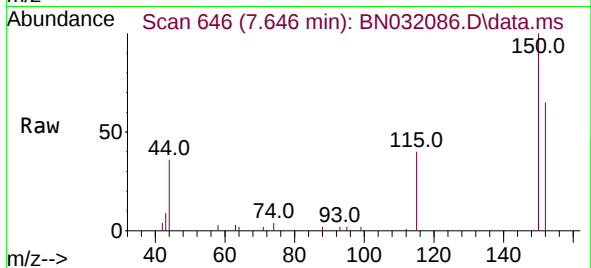
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN061024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 19 11:30:34 2024  
Response via : Initial Calibration



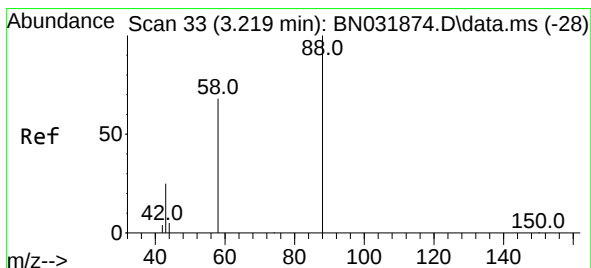
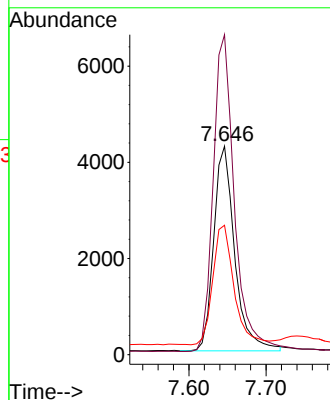
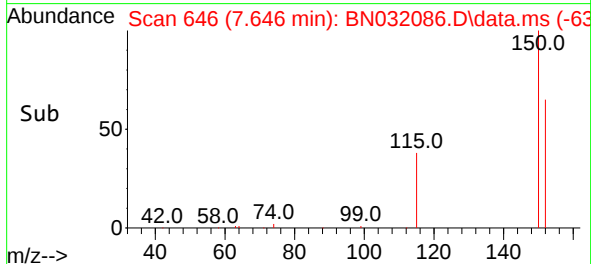


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.646 min Scan# 64  
 Delta R.T. 0.000 min  
 Lab File: BN032086.D  
 Acq: 20 Jun 2024 02:05

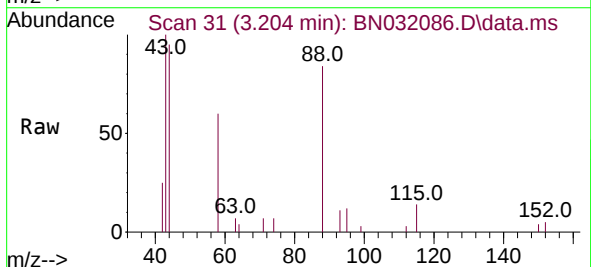
Instrument :  
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 ClientSampleId :  
 BP-VPB-196-GW-360-362



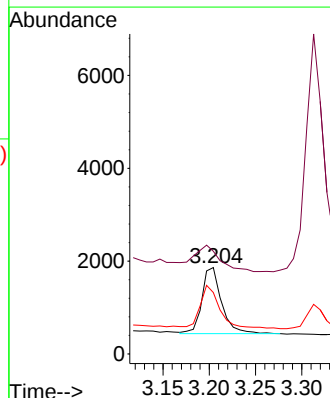
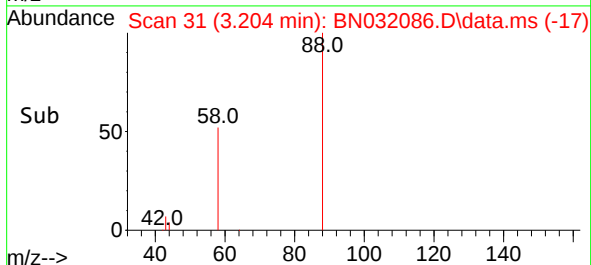
Tgt Ion:152 Resp: 8056  
 Ion Ratio Lower Upper  
 152 100  
 150 153.5 121.0 181.4  
 115 62.1 49.4 74.0

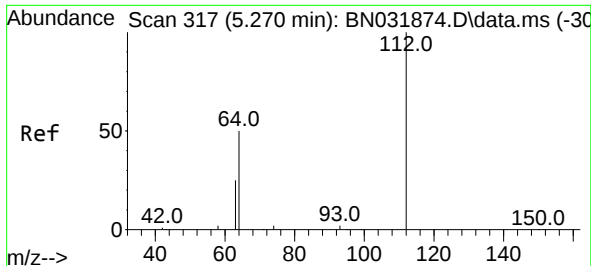


#2  
 1,4-Dioxane  
 Concen: 0.214 ng  
 RT: 3.204 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: BN032086.D  
 Acq: 20 Jun 2024 02:05



Tgt Ion: 88 Resp: 2110  
 Ion Ratio Lower Upper  
 88 100  
 43 52.9 22.7 34.1#  
 58 65.7 51.3 76.9

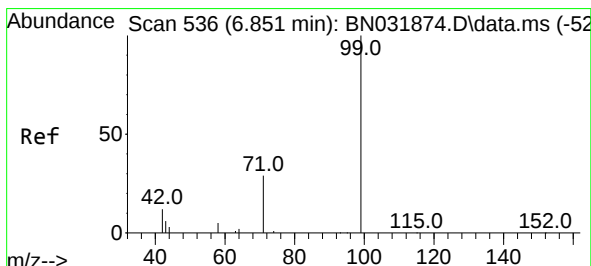
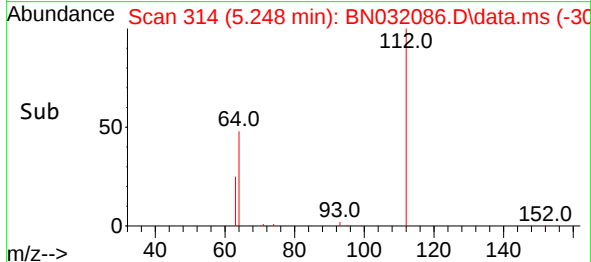
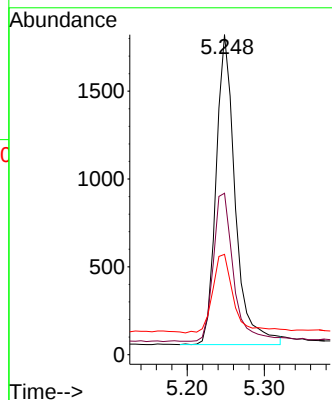
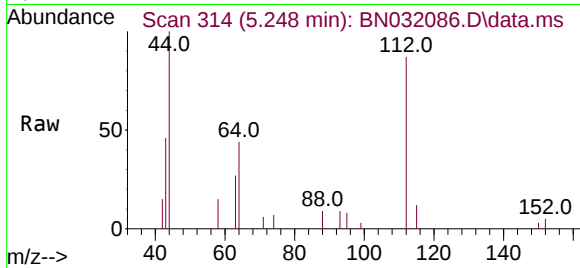




#4  
2-Fluorophenol  
Concen: 0.133 ng  
RT: 5.248 min Scan# 317  
Delta R.T. -0.000 min  
Lab File: BN032086.D  
Acq: 20 Jun 2024 02:05

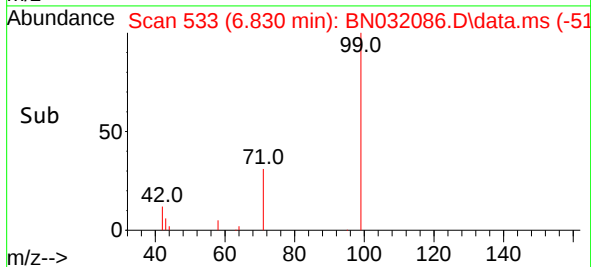
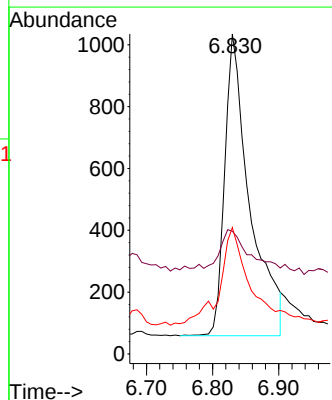
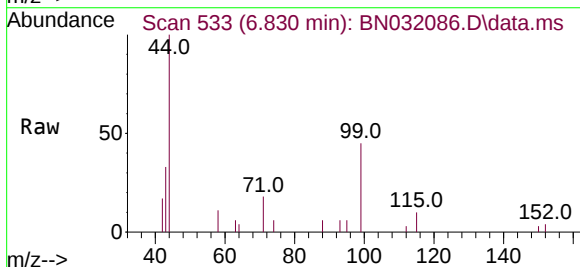
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-360-362

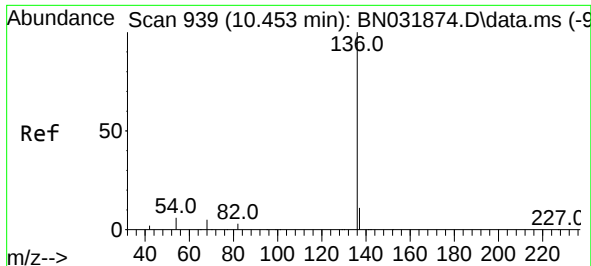
Tgt Ion:112 Resp: 3052  
Ion Ratio Lower Upper  
112 100  
64 49.7 42.4 63.6  
63 27.9 22.1 33.1



#5  
Phenol-d6  
Concen: 0.086 ng  
RT: 6.830 min Scan# 533  
Delta R.T. -0.000 min  
Lab File: BN032086.D  
Acq: 20 Jun 2024 02:05

Tgt Ion: 99 Resp: 2577  
Ion Ratio Lower Upper  
99 100  
42 13.5 12.8 19.2  
71 35.2 25.4 38.2

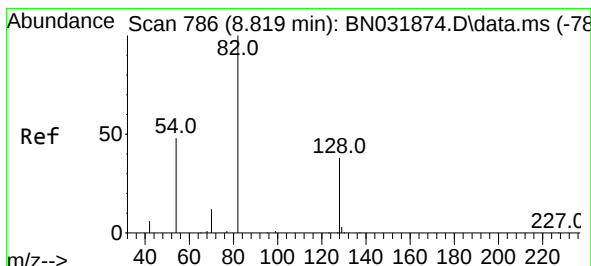
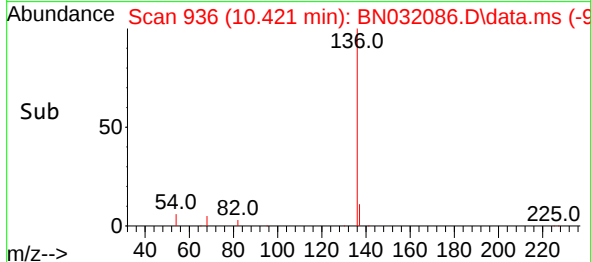
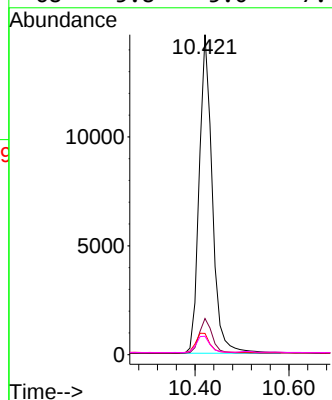
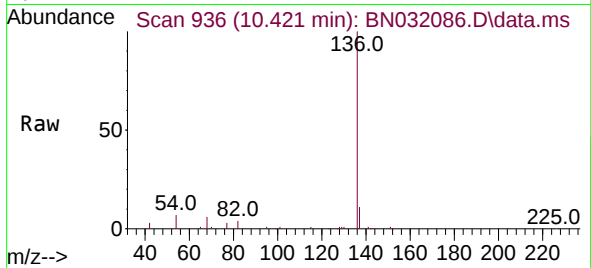




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.421 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BN032086.D  
Acq: 20 Jun 2024 02:05

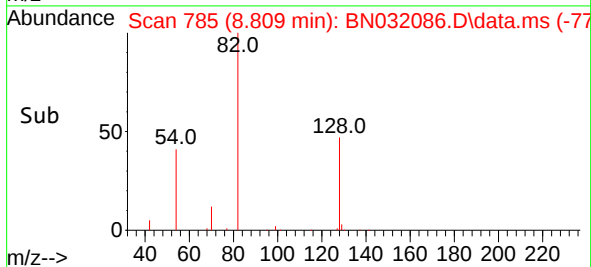
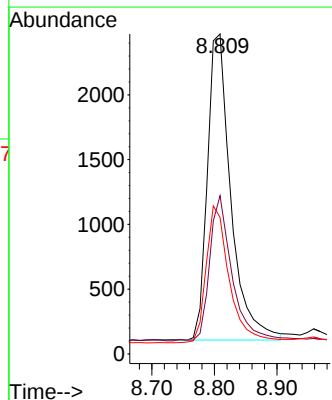
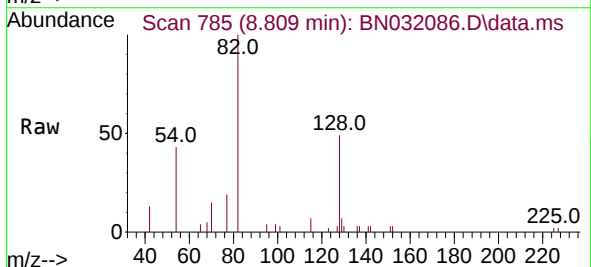
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-360-362

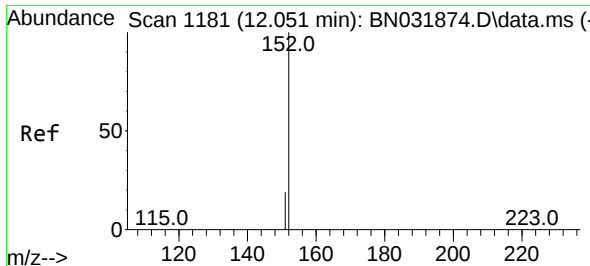
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 28312 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.3  | 8.9   | 13.3  |
| 54       | 6.7   | 5.6   | 8.4   |
| 68       | 5.8   | 5.0   | 7.4   |



#8  
Nitrobenzene-d5  
Concen: 0.261 ng  
RT: 8.809 min Scan# 785  
Delta R.T. 0.011 min  
Lab File: BN032086.D  
Acq: 20 Jun 2024 02:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 6142  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 49.5  | 32.1  | 48.1# |
| 54       | 42.7  | 39.7  | 59.5  |

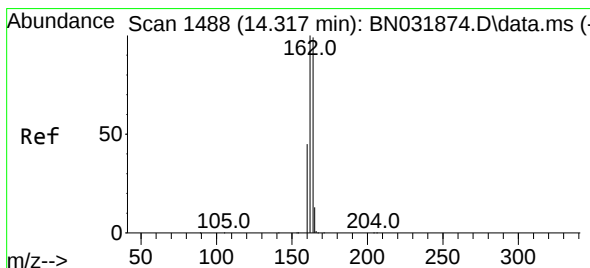
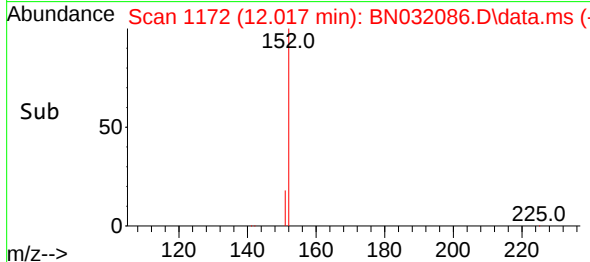
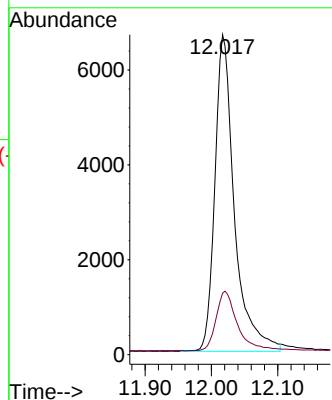
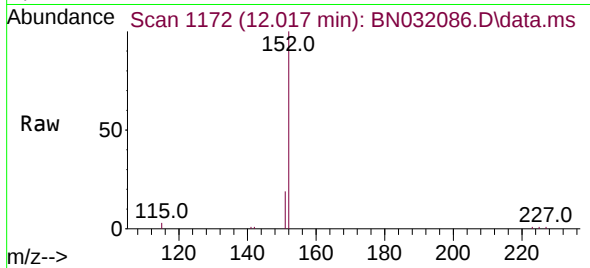




#11  
2-Methylnaphthalene-d10  
Concen: 0.303 ng  
RT: 12.017 min Scan# 1181  
Delta R.T. -0.004 min  
Lab File: BN032086.D  
Acq: 20 Jun 2024 02:05

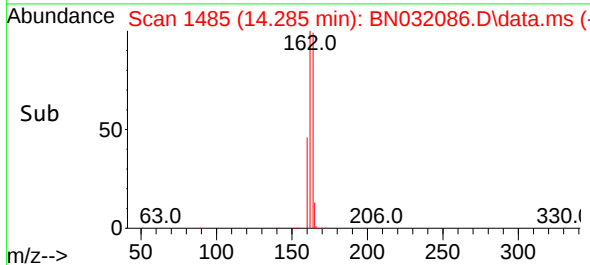
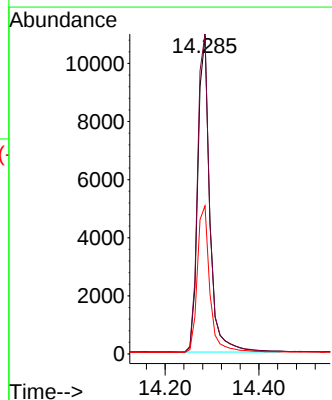
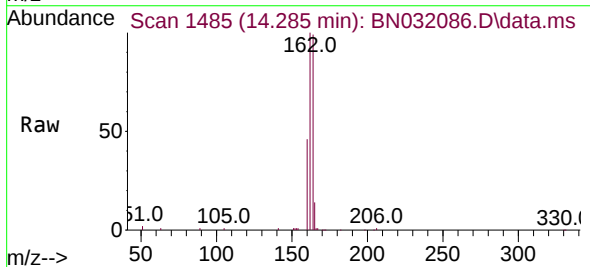
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BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-360-362

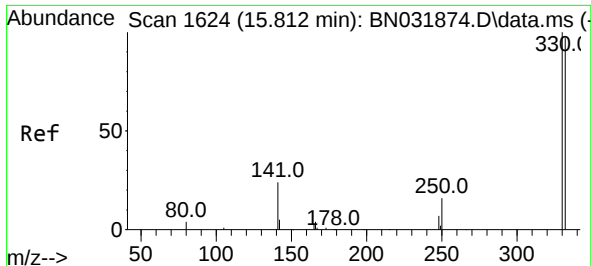
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Ion Ratio Lower Upper  
152 100  
151 20.5 16.3 24.5



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.285 min Scan# 1485  
Delta R.T. -0.000 min  
Lab File: BN032086.D  
Acq: 20 Jun 2024 02:05

Tgt Ion:164 Resp: 19316  
Ion Ratio Lower Upper  
164 100  
162 100.6 80.7 121.1  
160 46.6 36.2 54.4

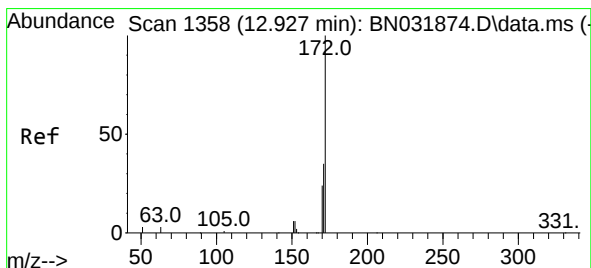
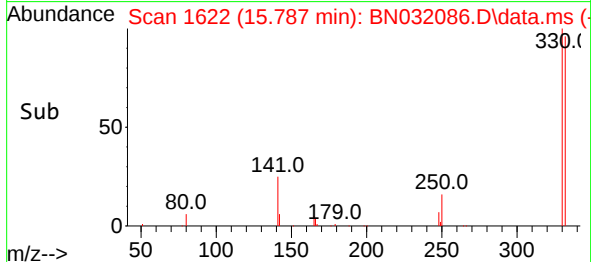
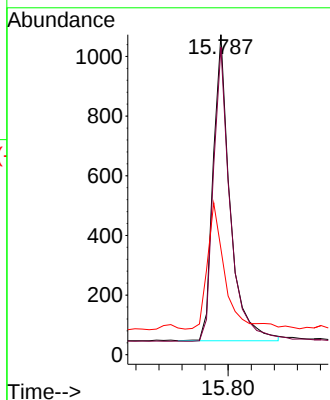
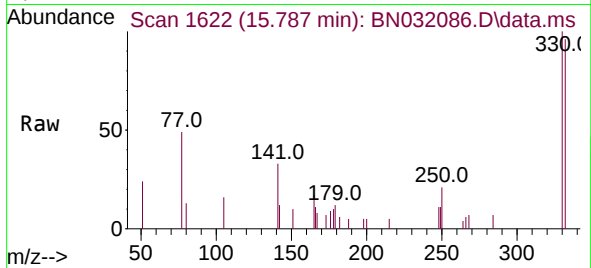




#14  
2,4,6-Tribromophenol  
Concen: 0.225 ng  
RT: 15.787 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: BN032086.D  
Acq: 20 Jun 2024 02:05

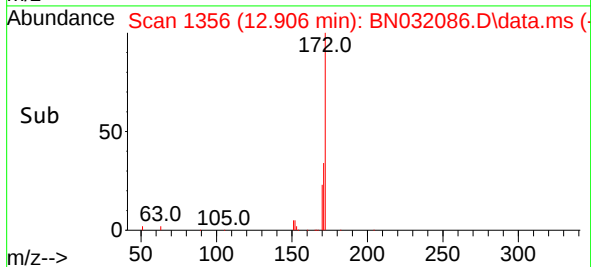
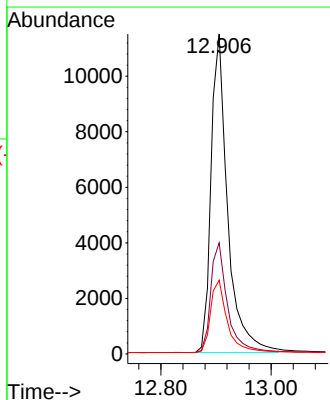
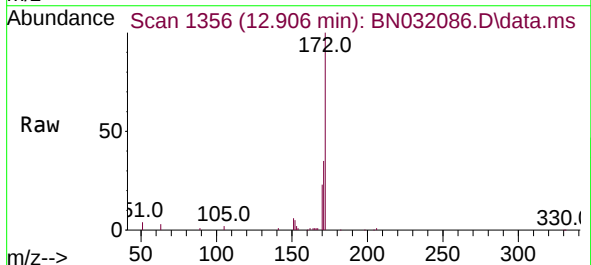
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ClientSampleId :  
BP-VPB-196-GW-360-362

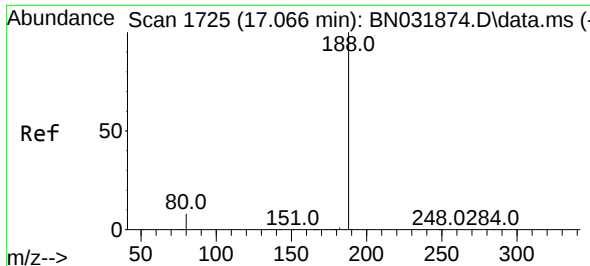
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Ion Ratio Lower Upper  
330 100  
332 96.1 77.5 116.3  
141 42.6 34.7 52.1



#15  
2-Fluorobiphenyl  
Concen: 0.327 ng  
RT: 12.906 min Scan# 1356  
Delta R.T. -0.000 min  
Lab File: BN032086.D  
Acq: 20 Jun 2024 02:05

Tgt Ion: 172 Resp: 23943  
Ion Ratio Lower Upper  
172 100  
171 34.7 28.6 42.8  
170 23.1 19.2 28.8

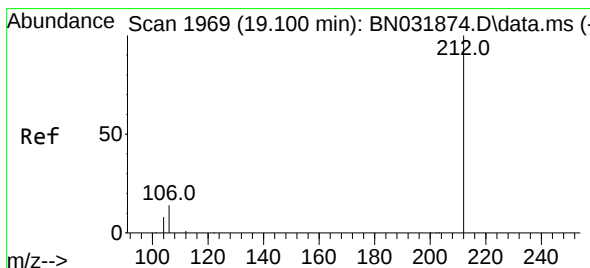
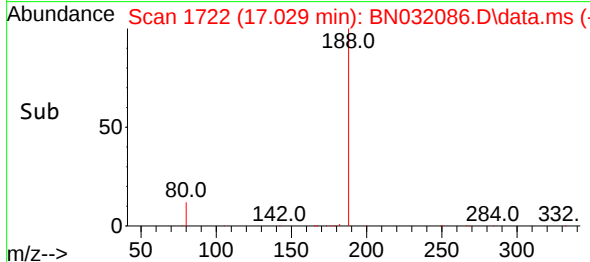
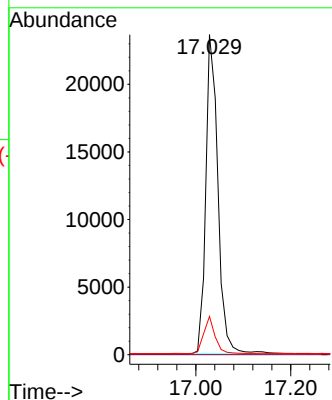
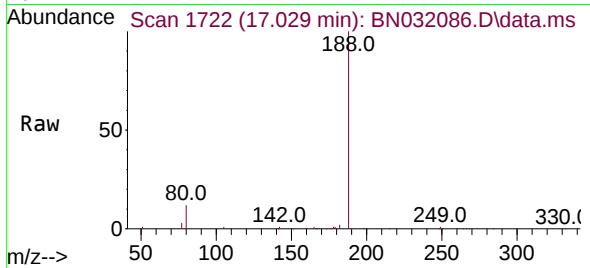




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.029 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN032086.D  
Acq: 20 Jun 2024 02:05

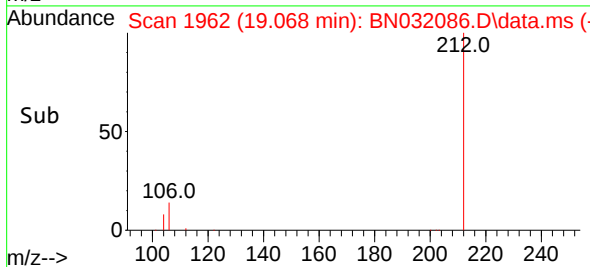
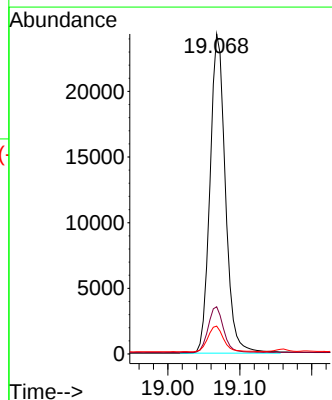
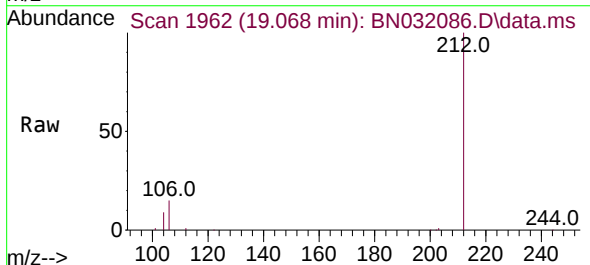
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BP-VPB-196-GW-360-362

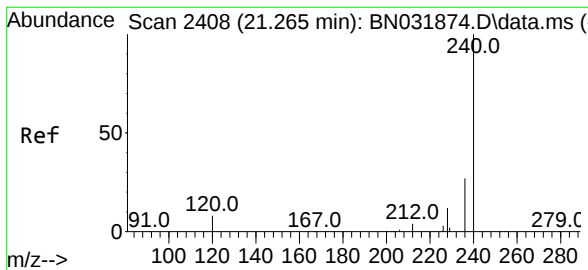
Tgt Ion:188 Resp: 42149  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 12.0 6.4 9.6#



#27  
Fluoranthene-d10  
Concen: 0.315 ng  
RT: 19.068 min Scan# 1962  
Delta R.T. -0.005 min  
Lab File: BN032086.D  
Acq: 20 Jun 2024 02:05

Tgt Ion:212 Resp: 36090  
Ion Ratio Lower Upper  
212 100  
106 14.5 11.8 17.8  
104 8.2 6.6 10.0





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.229 min Scan# 2404

Delta R.T. -0.000 min

Lab File: BN032086.D

Acq: 20 Jun 2024 02:05

Instrument :

BNA\_N

ClientSampleId :

BP-VPB-196-GW-360-362

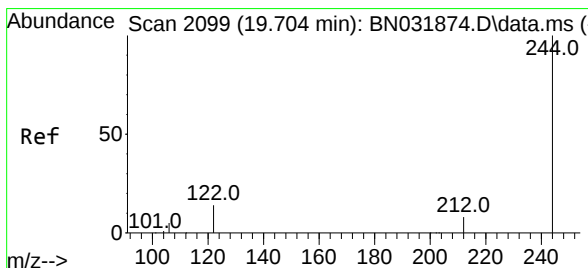
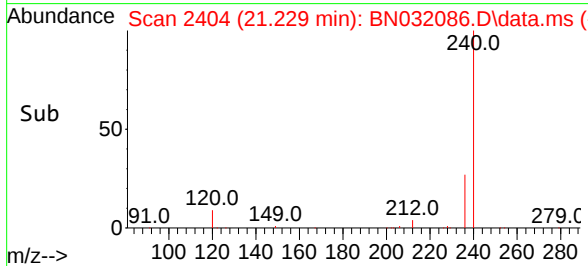
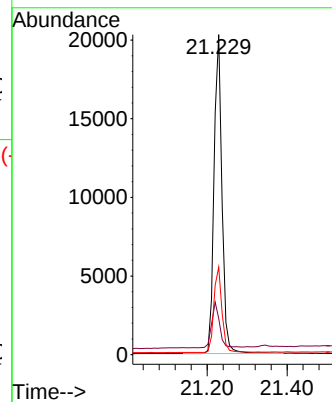
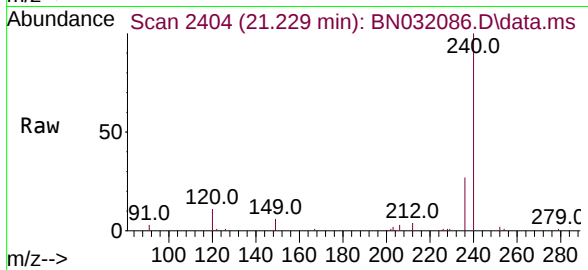
Tgt Ion:240 Resp: 28119

Ion Ratio Lower Upper

240 100

120 11.3 8.2 12.4

236 27.4 21.8 32.8



#31

Terphenyl-d14

Concen: 0.519 ng

RT: 19.672 min Scan# 2092

Delta R.T. -0.000 min

Lab File: BN032086.D

Acq: 20 Jun 2024 02:05

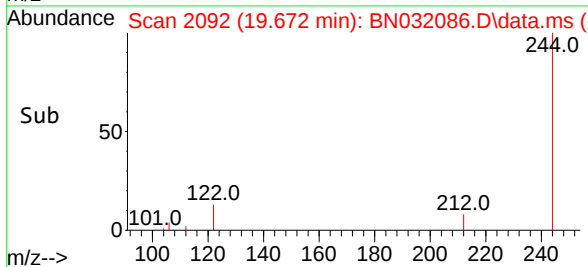
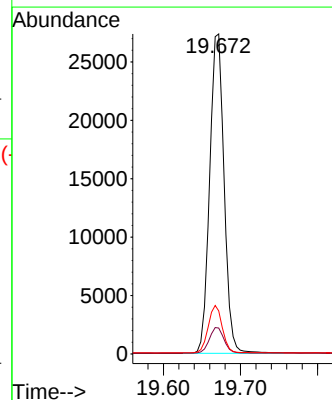
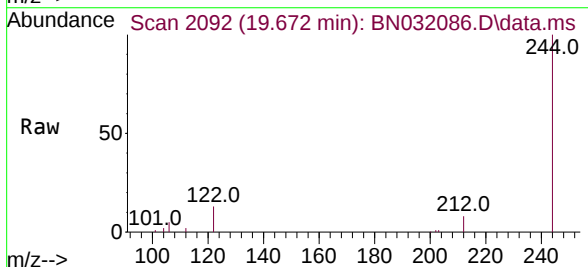
Tgt Ion:244 Resp: 35673

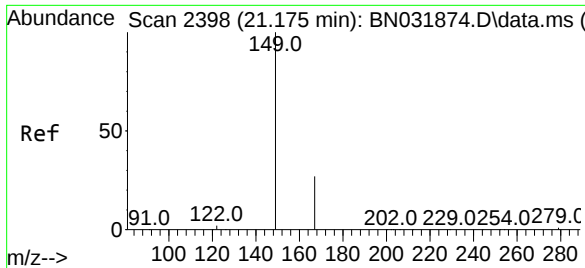
Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

122 13.5 11.4 17.0

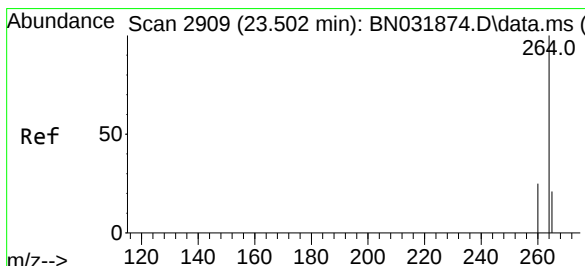
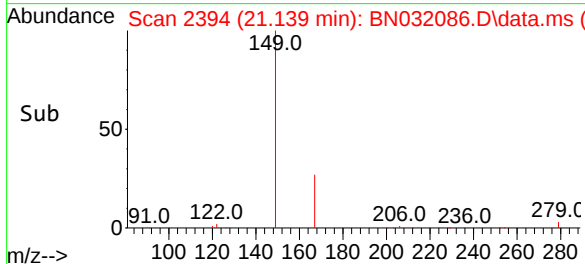
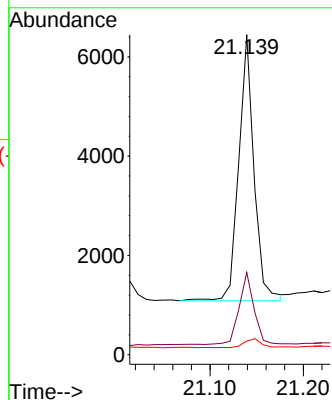
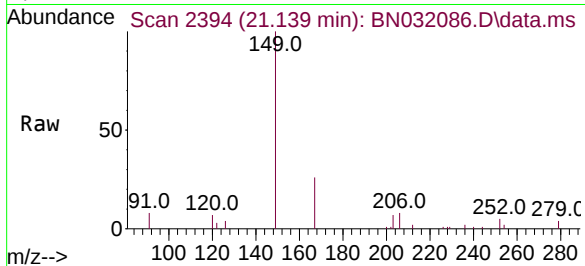




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.085 ng  
 RT: 21.139 min Scan# 2113  
 Delta R.T. -0.009 min  
 Lab File: BN032086.D  
 Acq: 20 Jun 2024 02:05

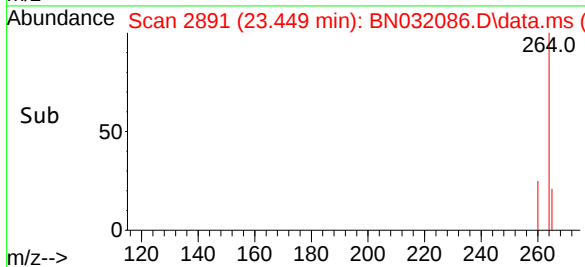
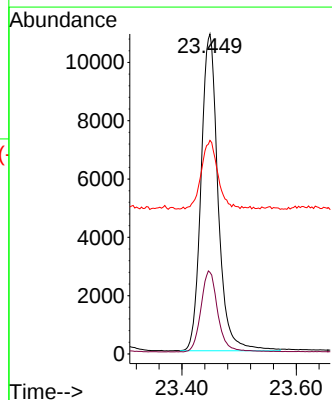
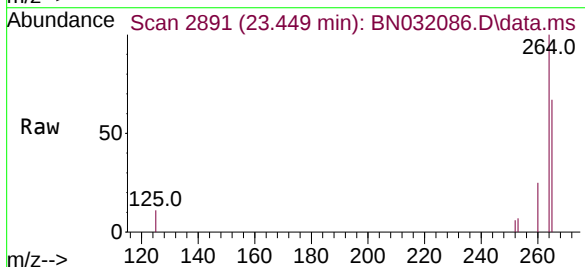
Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-196-GW-360-362

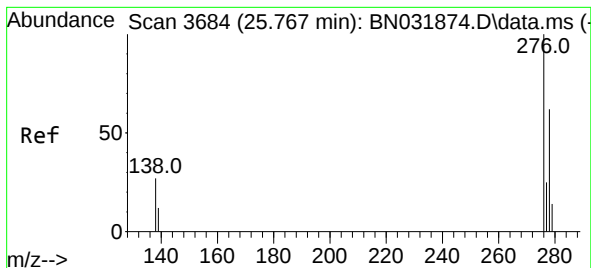
Tgt Ion:149 Resp: 6113  
 Ion Ratio Lower Upper  
 149 100  
 167 26.5 22.5 33.7  
 279 3.8 2.9 4.3



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.449 min Scan# 2891  
 Delta R.T. -0.003 min  
 Lab File: BN032086.D  
 Acq: 20 Jun 2024 02:05

Tgt Ion:264 Resp: 22407  
 Ion Ratio Lower Upper  
 264 100  
 260 25.5 20.5 30.7  
 265 66.7 39.6 59.4#





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.023 ng

RT: 25.694 min Scan# 3

Delta R.T. -0.000 min

Lab File: BN032086.D

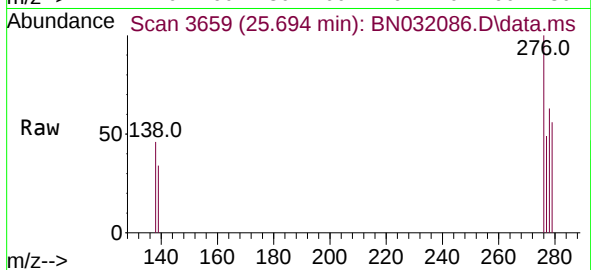
Acq: 20 Jun 2024 02:05

Instrument :

BNA\_N

ClientSampleId :

BP-VPB-196-GW-360-362



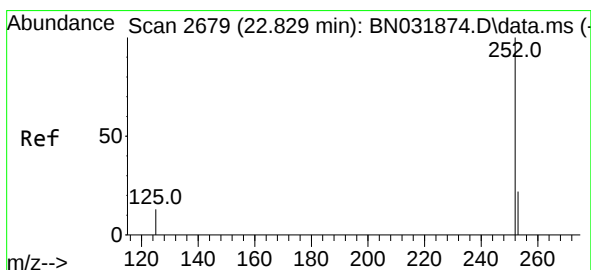
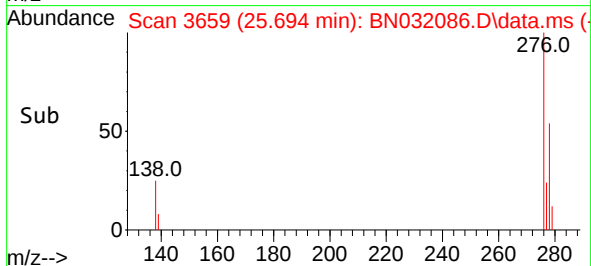
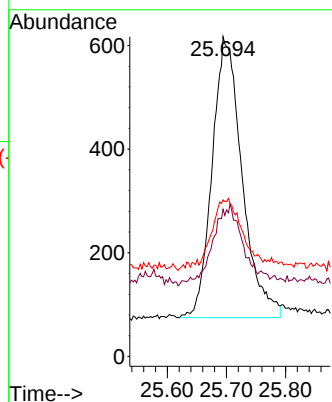
Tgt Ion:276 Resp: 1901

Ion Ratio Lower Upper

276 100

138 23.3 21.5 32.3

277 22.6 19.8 29.8



#37

Benzo(b)fluoranthene

Concen: 0.024 ng

RT: 22.782 min Scan# 2663

Delta R.T. -0.003 min

Lab File: BN032086.D

Acq: 20 Jun 2024 02:05

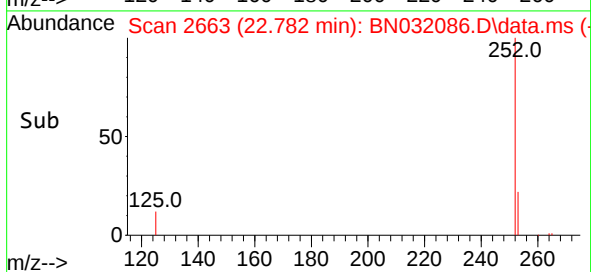
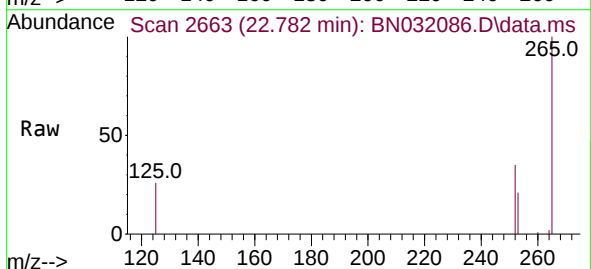
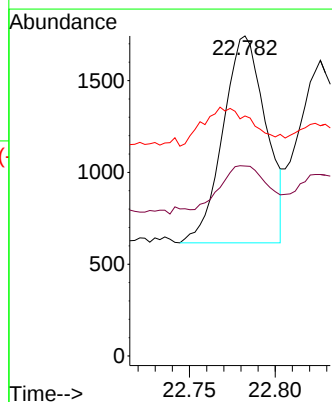
Tgt Ion:252 Resp: 1960

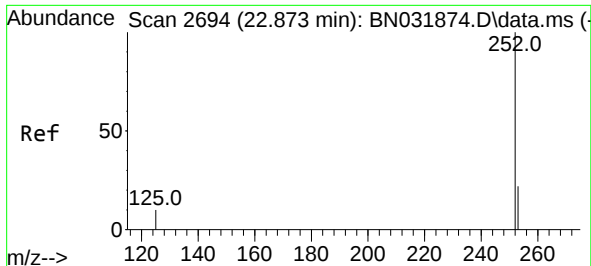
Ion Ratio Lower Upper

252 100

253 59.4 20.2 30.2#

125 75.0 14.2 21.4#

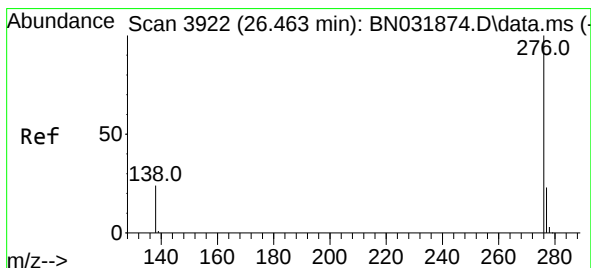
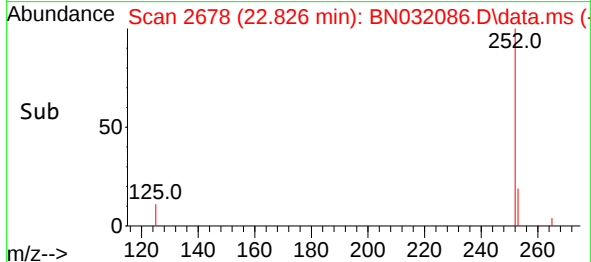
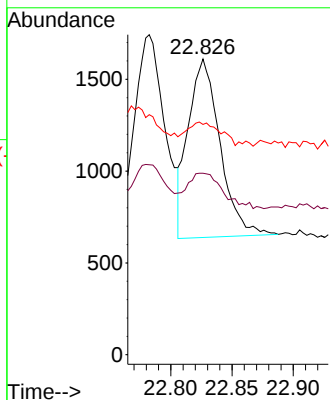
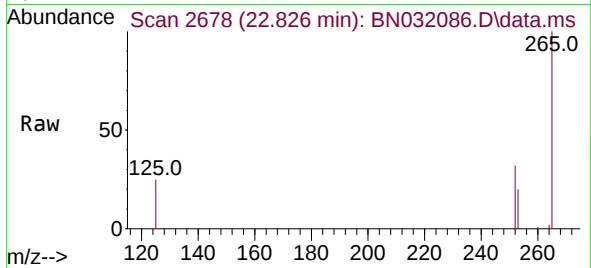




#38  
Benzo(k)fluoranthene  
Concen: 0.023 ng  
RT: 22.826 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: BN032086.D  
Acq: 20 Jun 2024 02:05

Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-360-362

Tgt Ion:252 Resp: 1753  
Ion Ratio Lower Upper  
252 100  
253 61.3 19.9 29.9#  
125 77.8 13.0 19.4#



#41  
Benzo(g,h,i)perylene  
Concen: 0.023 ng  
RT: 26.384 min Scan# 3895  
Delta R.T. 0.006 min  
Lab File: BN032086.D  
Acq: 20 Jun 2024 02:05

Tgt Ion:276 Resp: 1611  
Ion Ratio Lower Upper  
276 100  
277 51.4 20.2 30.2#  
138 45.8 20.6 31.0#

