

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062124\  
 Data File : BN032154.D  
 Acq On : 22 Jun 2024 05:35  
 Operator : MA/JU  
 Sample : P2891-10  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-196-GW-480-482

Quant Time: Jun 22 06:49:07 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

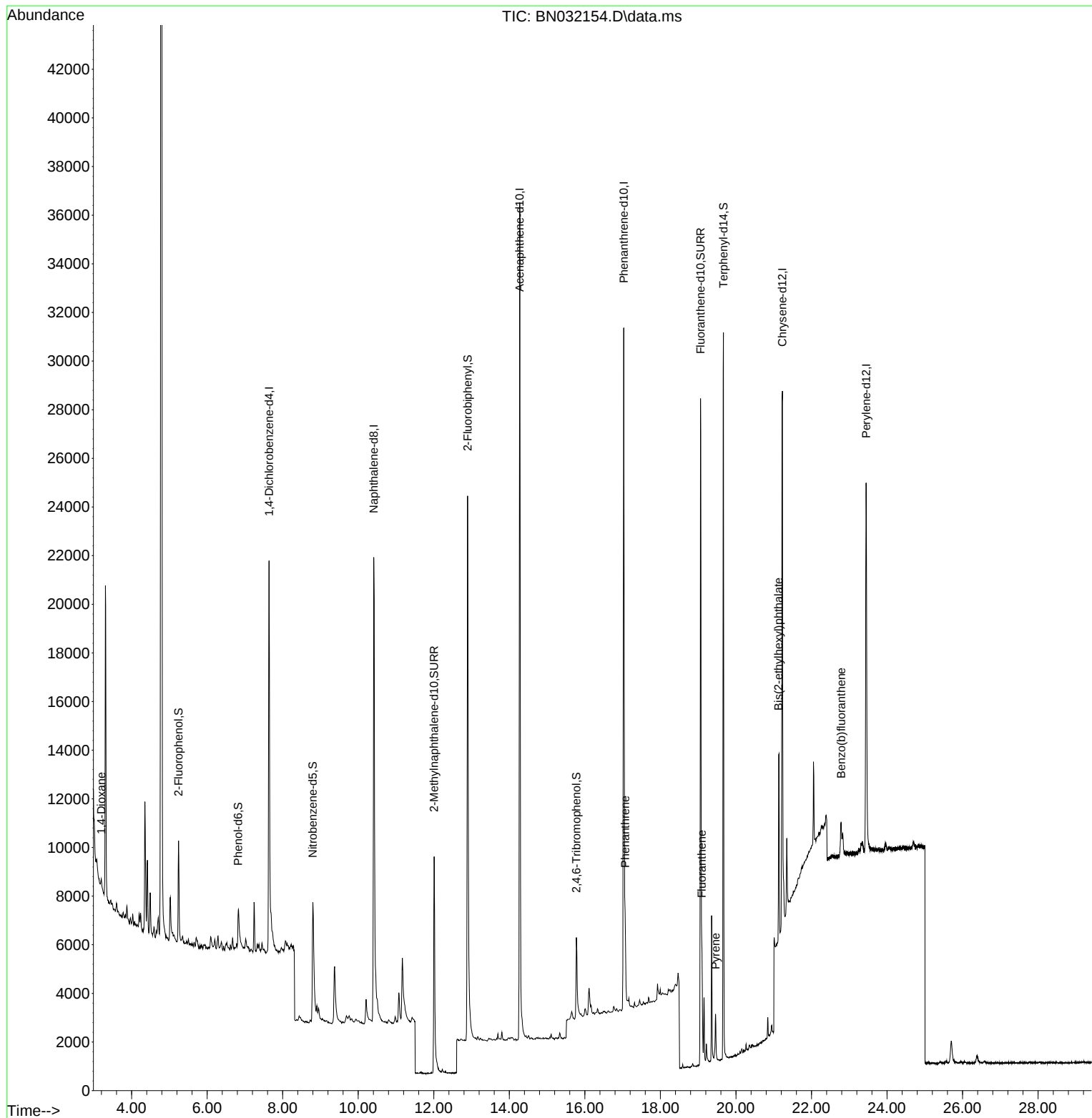
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.639  | 152  | 9627     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.411 | 136  | 33402    | 0.400 | ng    | -0.01    |
| 13) Acenaphthene-d10          | 14.274 | 164  | 21524    | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.029 | 188  | 43524    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.229 | 240  | 23700    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.446 | 264  | 21837    | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.241  | 112  | 3962     | 0.145 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.823  | 99   | 2994     | 0.083 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.798  | 82   | 6936     | 0.250 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.009 | 152  | 15269    | 0.287 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 15.775 | 330  | 2508     | 0.243 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 12.895 | 172  | 25380    | 0.311 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.063 | 212  | 34410    | 0.291 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.667 | 244  | 29385    | 0.507 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.197  | 88   | 295      | 0.025 | ng    | # 1      |
| 25) Phenanthrene              | 17.066 | 178  | 3095     | 0.026 | ng    | 98       |
| 28) Fluoranthene              | 19.096 | 202  | 3347     | 0.023 | ng    | # 54     |
| 30) Pyrene                    | 19.458 | 202  | 2000     | 0.021 | ng    | # 93     |
| 34) Bis(2-ethylhexyl)phtha... | 21.130 | 149  | 8273     | 0.136 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 22.785 | 252  | 2232     | 0.028 | ng    | # 1      |
| -----                         |        |      |          |       |       |          |

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

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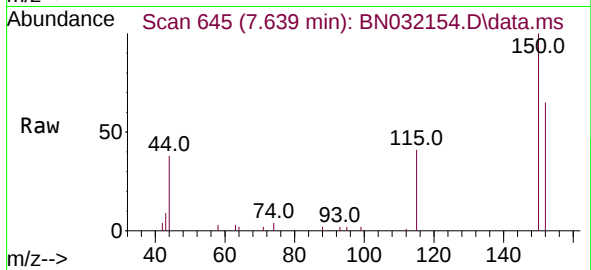
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN061024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 19 11:30:34 2024  
Response via : Initial Calibration



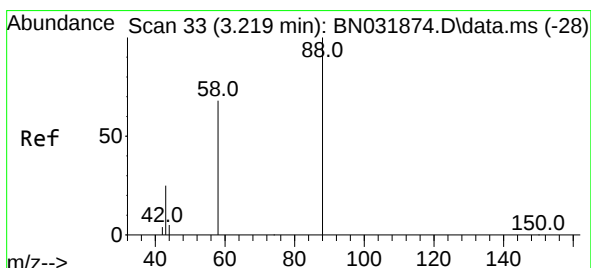
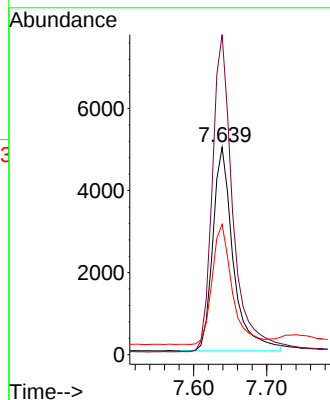
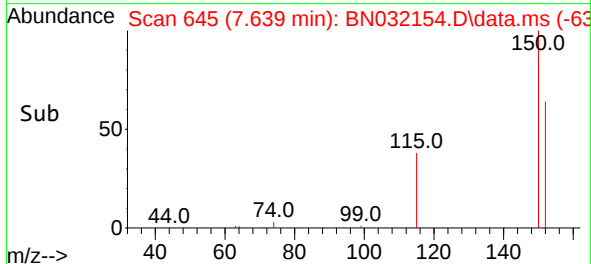


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.639 min Scan# 64  
Delta R.T. -0.007 min  
Lab File: BN032154.D  
Acq: 22 Jun 2024 05:35

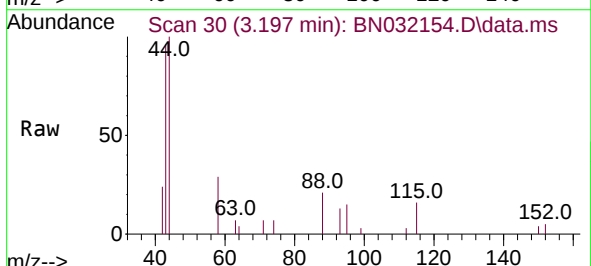
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-480-482



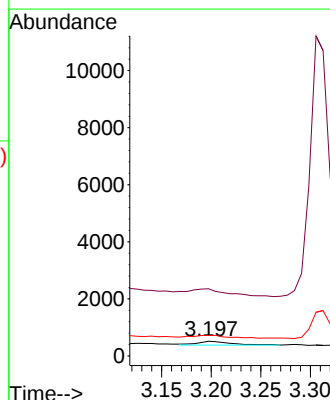
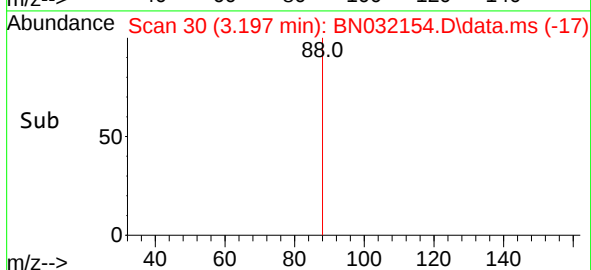
Tgt Ion:152 Resp: 9627  
Ion Ratio Lower Upper  
152 100  
150 154.3 121.0 181.4  
115 62.9 49.4 74.0



#2  
1,4-Dioxane  
Concen: 0.025 ng  
RT: 3.197 min Scan# 30  
Delta R.T. -0.007 min  
Lab File: BN032154.D  
Acq: 22 Jun 2024 05:35



Tgt Ion: 88 Resp: 295  
Ion Ratio Lower Upper  
88 100  
43 218.0 22.7 34.1#  
58 76.9 51.3 76.9#





#4

2-Fluorophenol

Concen: 0.145 ng

RT: 5.241 min Scan# 31

Delta R.T. -0.007 min

Lab File: BN032154.D

Acq: 22 Jun 2024 05:35

Instrument :

BNA\_N

ClientSampleId :

BP-VPB-196-GW-480-482

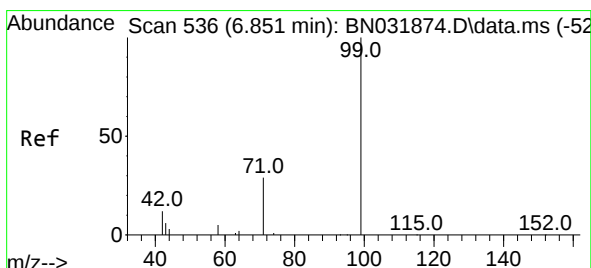
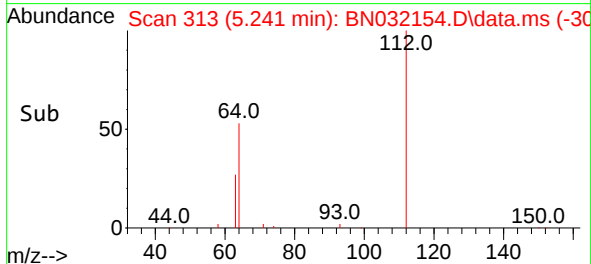
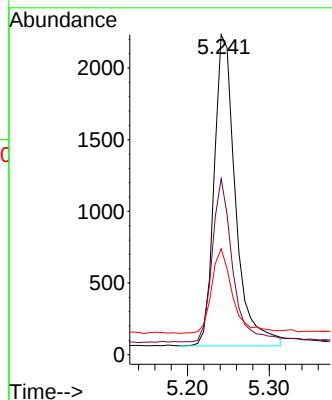
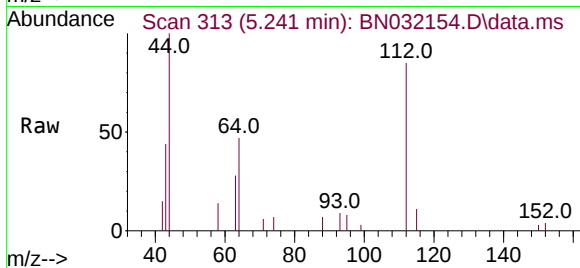
Tgt Ion:112 Resp: 3962

Ion Ratio Lower Upper

112 100

64 49.9 42.4 63.6

63 26.6 22.1 33.1



#5

Phenol-d6

Concen: 0.083 ng

RT: 6.823 min Scan# 532

Delta R.T. -0.007 min

Lab File: BN032154.D

Acq: 22 Jun 2024 05:35

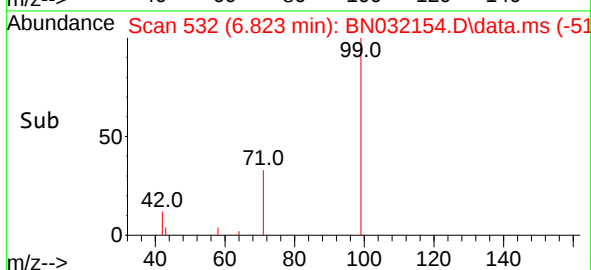
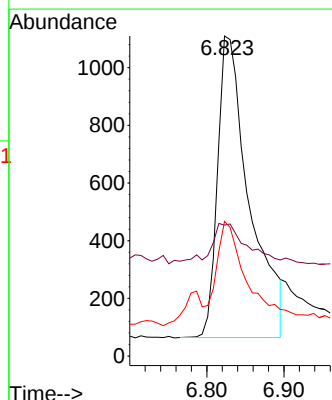
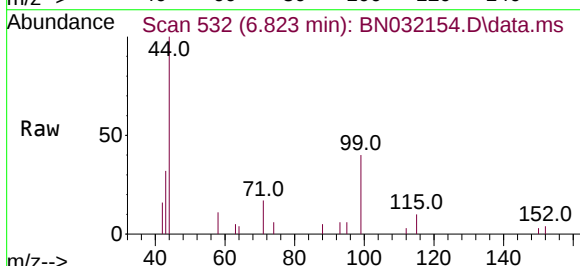
Tgt Ion: 99 Resp: 2994

Ion Ratio Lower Upper

99 100

42 12.5 12.8 19.2#

71 25.6 25.4 38.2

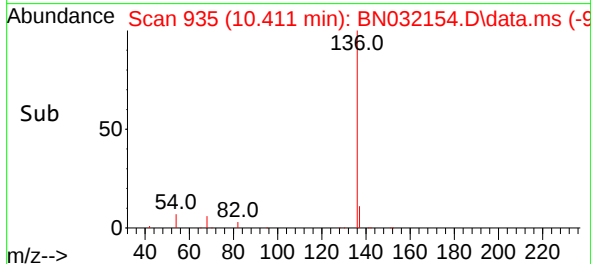
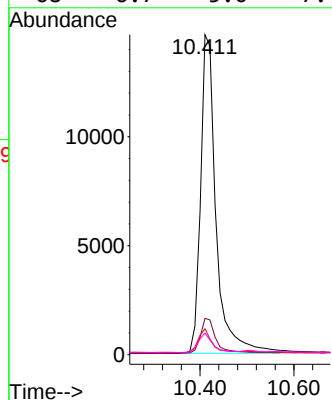
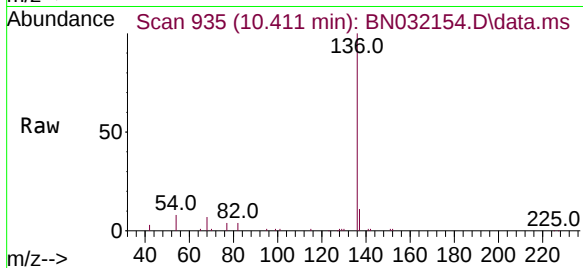




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.411 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: BN032154.D  
Acq: 22 Jun 2024 05:35

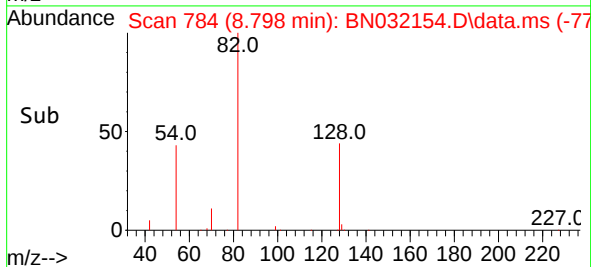
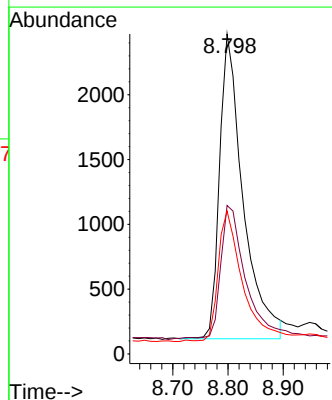
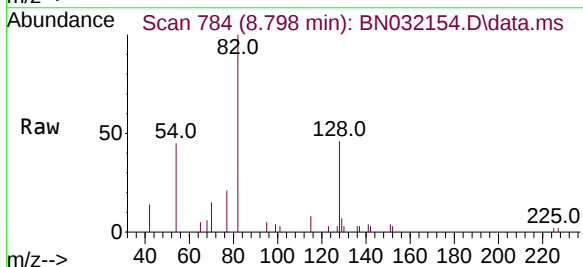
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-480-482

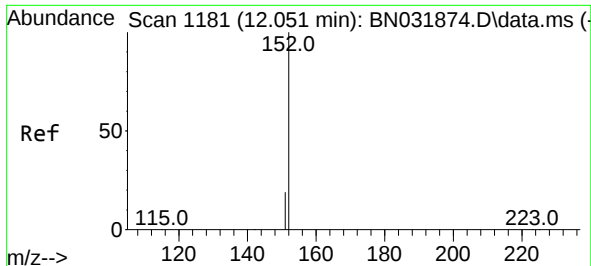
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 33402 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.4  | 8.9   | 13.3  |
| 54       | 8.1   | 5.6   | 8.4   |
| 68       | 6.7   | 5.0   | 7.4   |



#8  
Nitrobenzene-d5  
Concen: 0.250 ng  
RT: 8.798 min Scan# 784  
Delta R.T. 0.000 min  
Lab File: BN032154.D  
Acq: 22 Jun 2024 05:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 6936  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 46.4  | 32.1  | 48.1  |
| 54       | 44.6  | 39.7  | 59.5  |

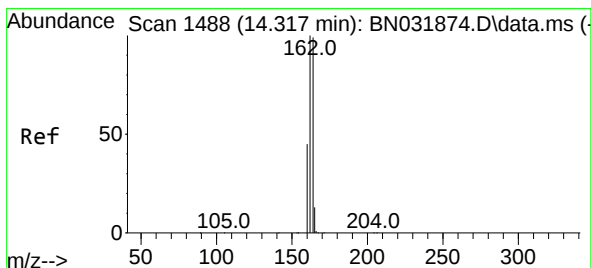
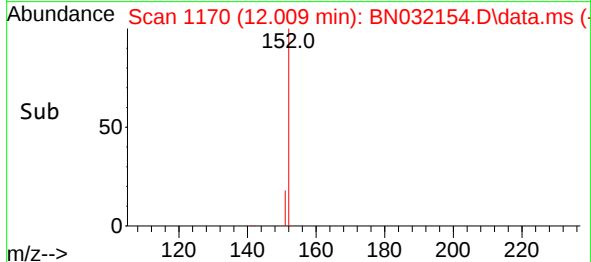
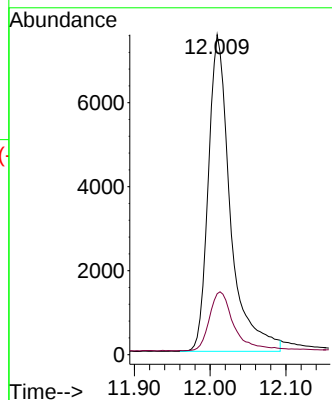
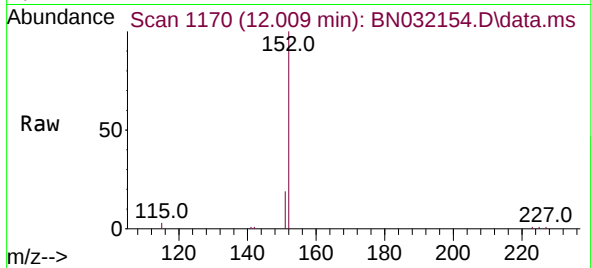




#11  
2-Methylnaphthalene-d10  
Concen: 0.287 ng  
RT: 12.009 min Scan# 1181  
Delta R.T. -0.011 min  
Lab File: BN032154.D  
Acq: 22 Jun 2024 05:35

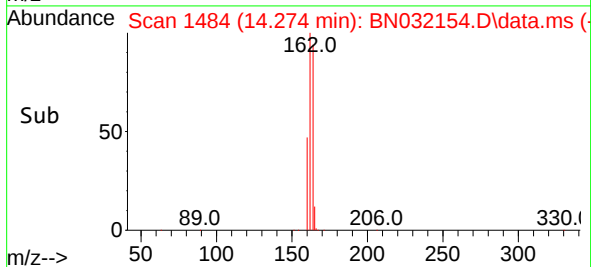
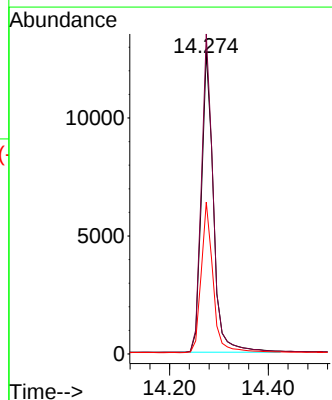
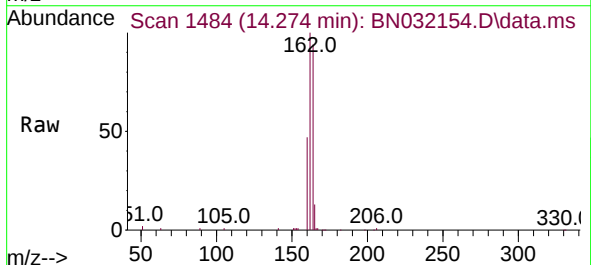
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-480-482

Tgt Ion:152 Resp: 15269  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.3 24.5



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.274 min Scan# 1484  
Delta R.T. -0.011 min  
Lab File: BN032154.D  
Acq: 22 Jun 2024 05:35

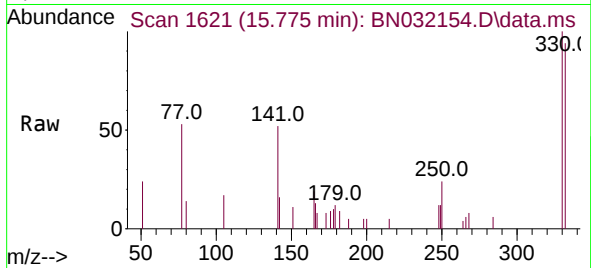
Tgt Ion:164 Resp: 21524  
Ion Ratio Lower Upper  
164 100  
162 106.0 80.7 121.1  
160 50.3 36.2 54.4



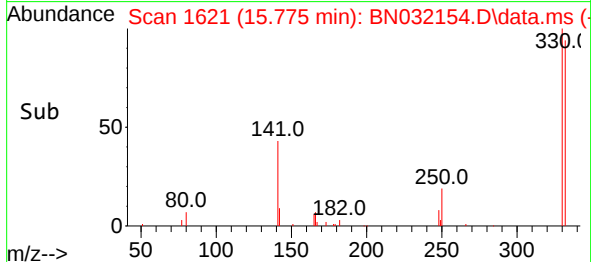
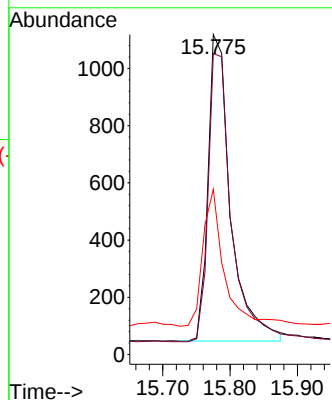


#14  
2,4,6-Tribromophenol  
Concen: 0.243 ng  
RT: 15.775 min Scan# 1  
Delta R.T. -0.012 min  
Lab File: BN032154.D  
Acq: 22 Jun 2024 05:35

Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-480-482

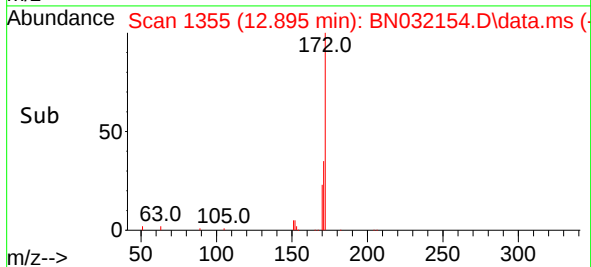
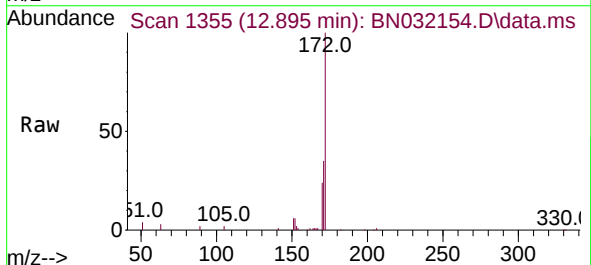
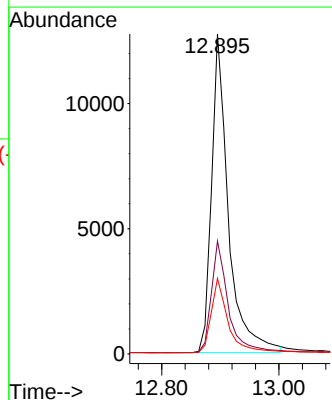


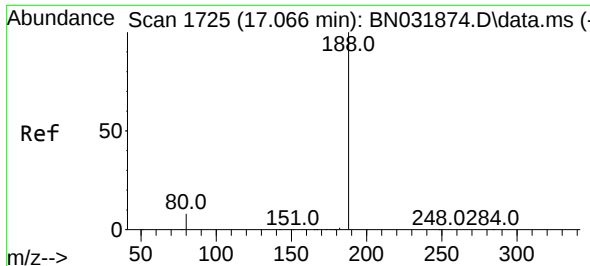
Tgt Ion:330 Resp: 2508  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.5 116.3  
141 42.0 34.7 52.1



#15  
2-Fluorobiphenyl  
Concen: 0.311 ng  
RT: 12.895 min Scan# 1355  
Delta R.T. -0.011 min  
Lab File: BN032154.D  
Acq: 22 Jun 2024 05:35

Tgt Ion:172 Resp: 25380  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.6 42.8  
170 23.6 19.2 28.8

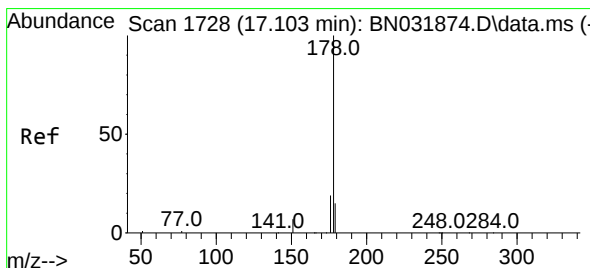
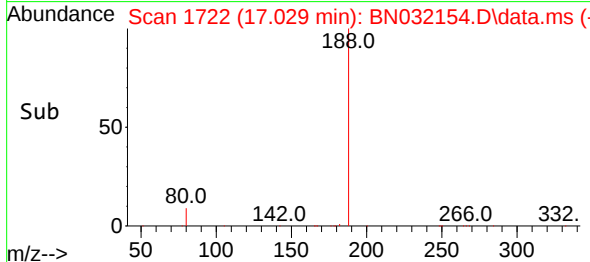
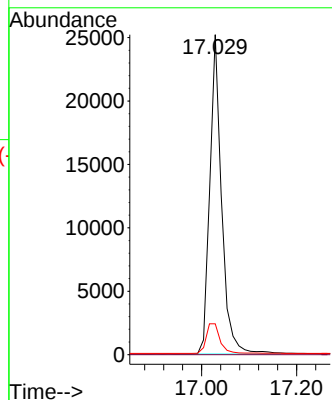
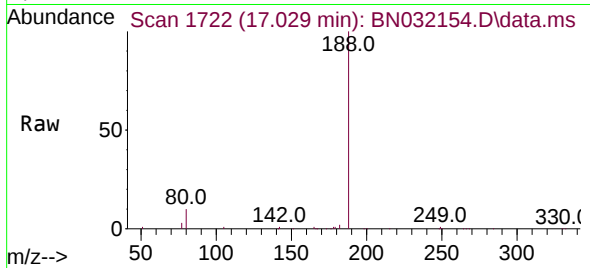




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.029 min Scan# 1722  
Delta R.T. 0.000 min  
Lab File: BN032154.D  
Acq: 22 Jun 2024 05:35

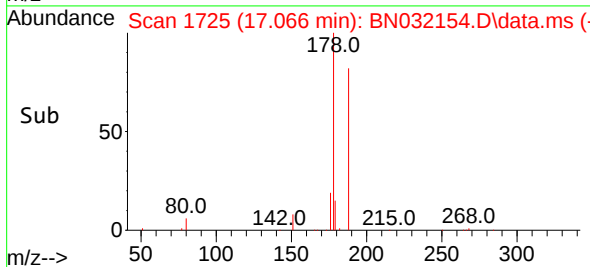
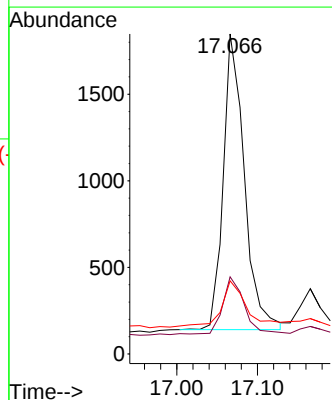
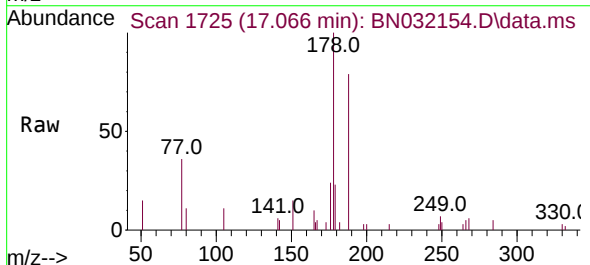
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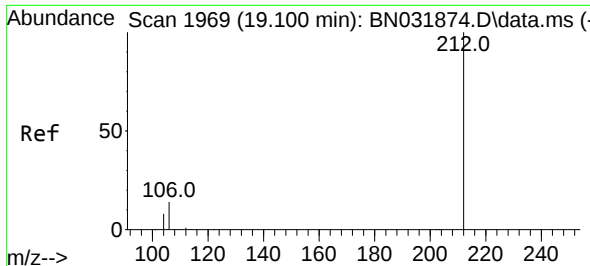
Tgt Ion:188 Resp: 43524  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.6 6.4 9.6#



#25  
Phenanthrene  
Concen: 0.026 ng  
RT: 17.066 min Scan# 1725  
Delta R.T. -0.012 min  
Lab File: BN032154.D  
Acq: 22 Jun 2024 05:35

Tgt Ion:178 Resp: 3095  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.4 23.0  
179 16.9 12.2 18.2

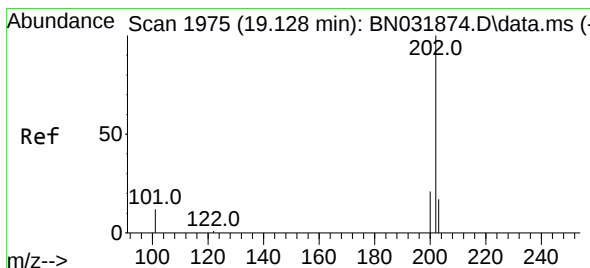
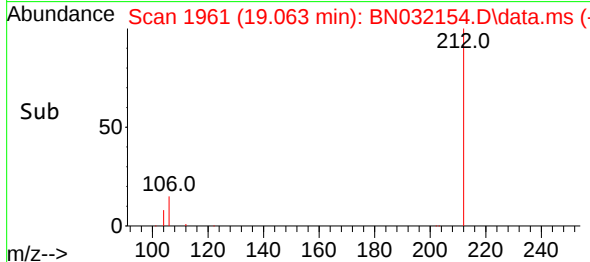
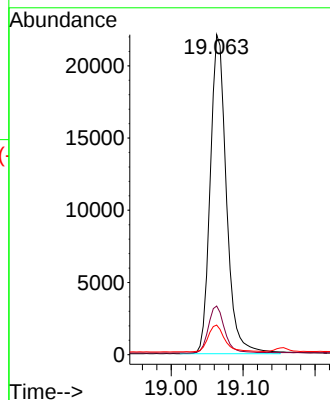
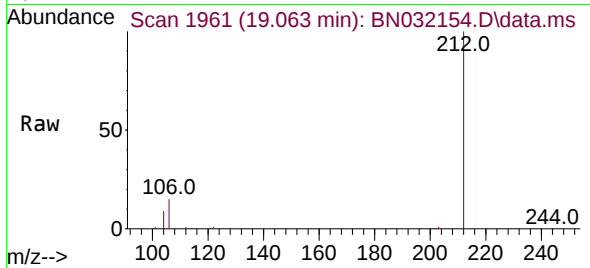




#27  
Fluoranthene-d10  
Concen: 0.291 ng  
RT: 19.063 min Scan# 1961  
Delta R.T. -0.009 min  
Lab File: BN032154.D  
Acq: 22 Jun 2024 05:35

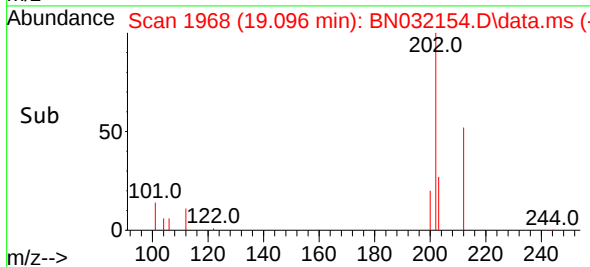
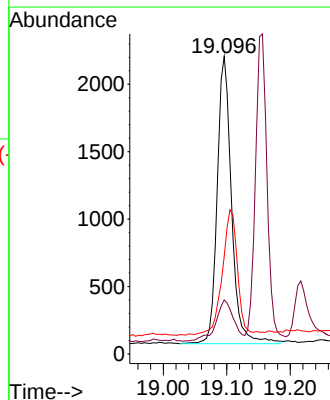
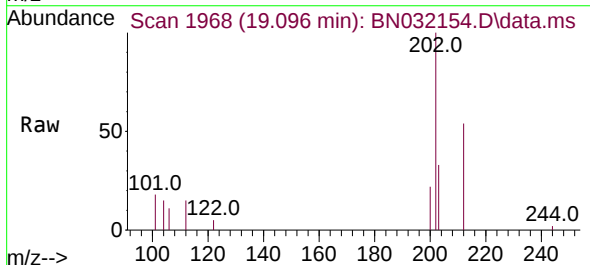
Instrument :  
BNA\_N  
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BP-VPB-196-GW-480-482

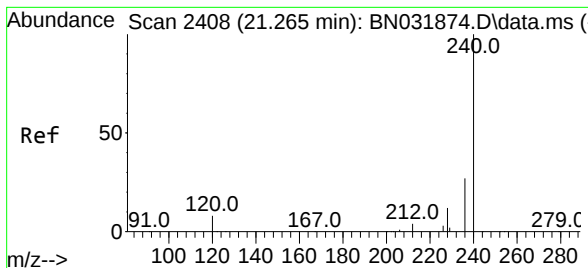
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Ion Ratio Lower Upper  
212 100  
106 14.9 11.8 17.8  
104 8.7 6.6 10.0



#28  
Fluoranthene  
Concen: 0.023 ng  
RT: 19.096 min Scan# 1968  
Delta R.T. -0.005 min  
Lab File: BN032154.D  
Acq: 22 Jun 2024 05:35

Tgt Ion:202 Resp: 3347  
Ion Ratio Lower Upper  
202 100  
101 17.9 9.8 14.6#  
203 46.5 13.7 20.5#





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.229 min Scan# 2404

Delta R.T. 0.000 min

Lab File: BN032154.D

Acq: 22 Jun 2024 05:35

Instrument :

BNA\_N

ClientSampleId :

BP-VPB-196-GW-480-482

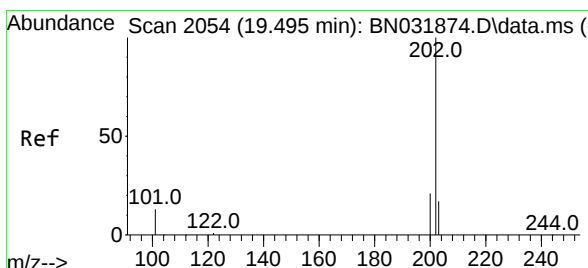
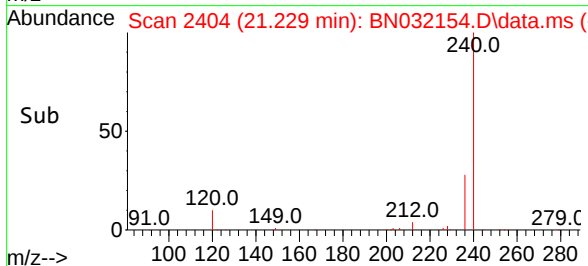
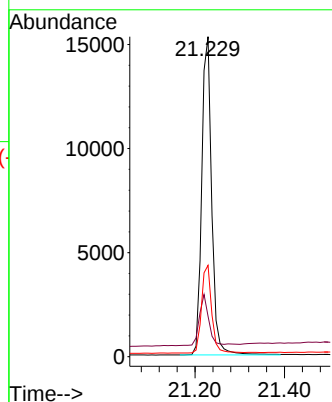
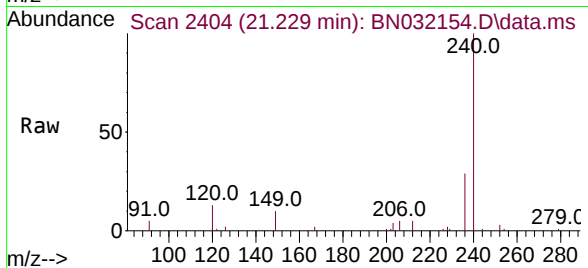
Tgt Ion:240 Resp: 23700

Ion Ratio Lower Upper

240 100

120 12.6 8.2 12.4#

236 28.6 21.8 32.8



#30

Pyrene

Concen: 0.021 ng

RT: 19.458 min Scan# 2046

Delta R.T. -0.009 min

Lab File: BN032154.D

Acq: 22 Jun 2024 05:35

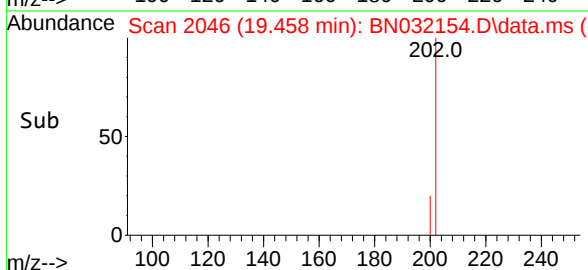
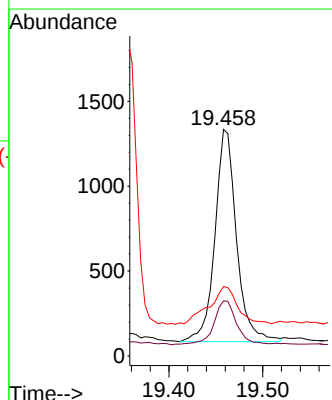
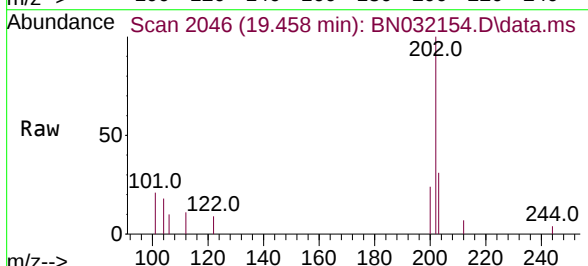
Tgt Ion:202 Resp: 2000

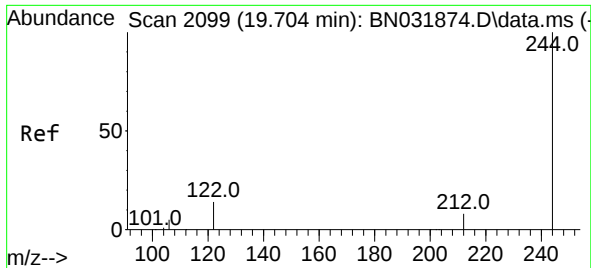
Ion Ratio Lower Upper

202 100

200 21.8 16.7 25.1

203 23.8 14.3 21.5#

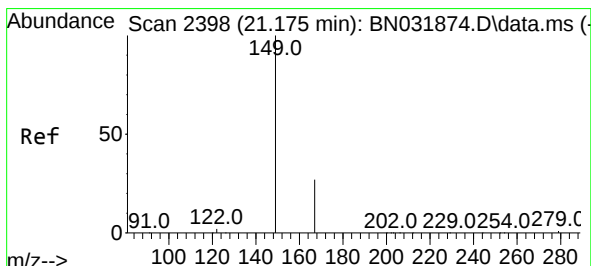
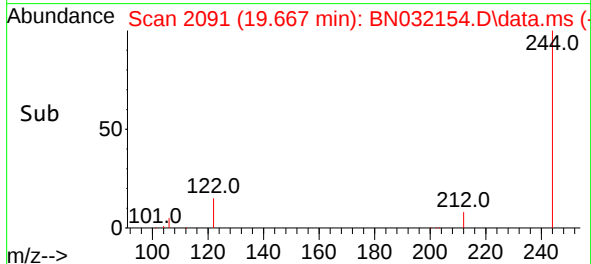
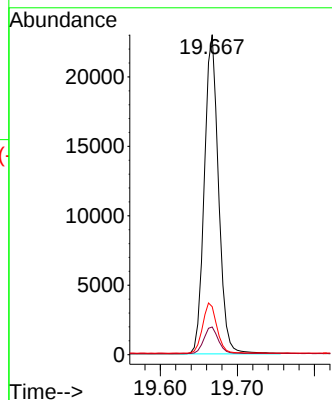
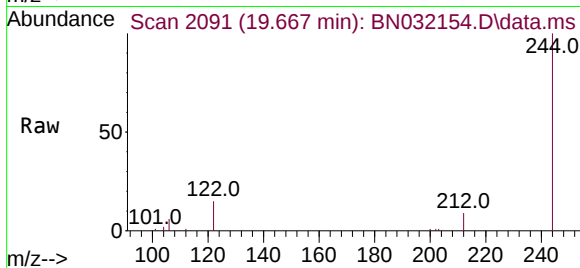




#31  
Terphenyl-d14  
Concen: 0.507 ng  
RT: 19.667 min Scan# 2099  
Delta R.T. -0.005 min  
Lab File: BN032154.D  
Acq: 22 Jun 2024 05:35

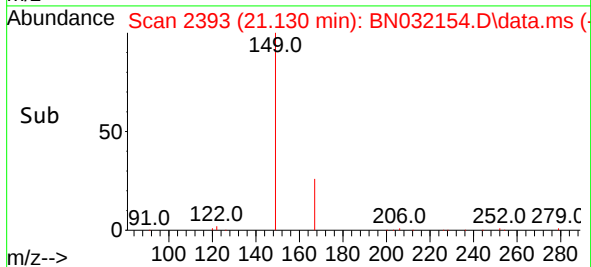
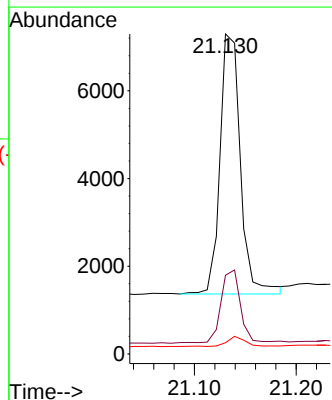
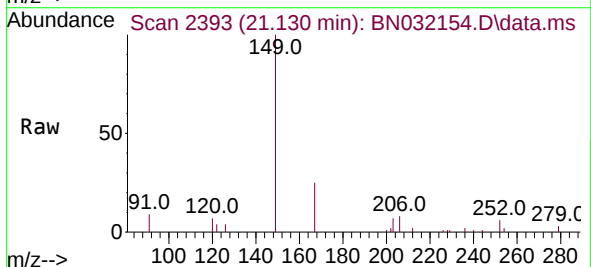
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-480-482

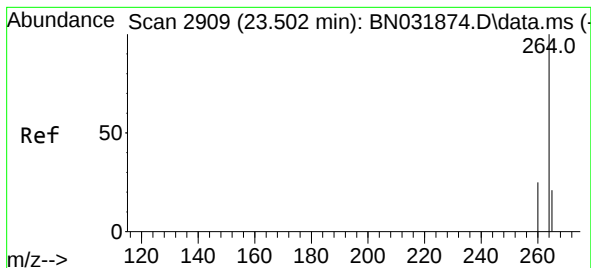
Tgt Ion:244 Resp: 29385  
Ion Ratio Lower Upper  
244 100  
212 8.7 6.5 9.7  
122 15.0 11.4 17.0



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.136 ng  
RT: 21.130 min Scan# 2393  
Delta R.T. -0.018 min  
Lab File: BN032154.D  
Acq: 22 Jun 2024 05:35

Tgt Ion:149 Resp: 8273  
Ion Ratio Lower Upper  
149 100  
167 27.7 22.5 33.7  
279 3.7 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.446 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN032154.D

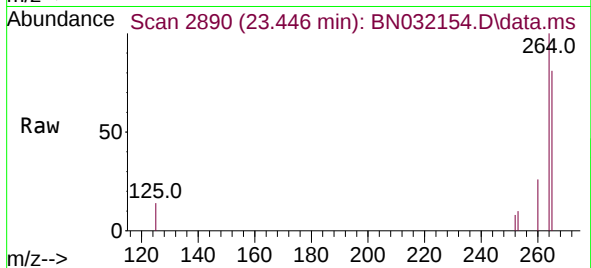
Acq: 22 Jun 2024 05:35

Instrument :

BNA\_N

ClientSampleId :

BP-VPB-196-GW-480-482



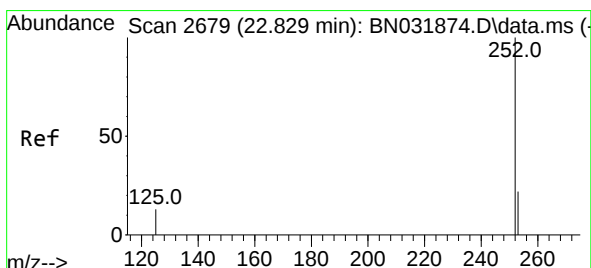
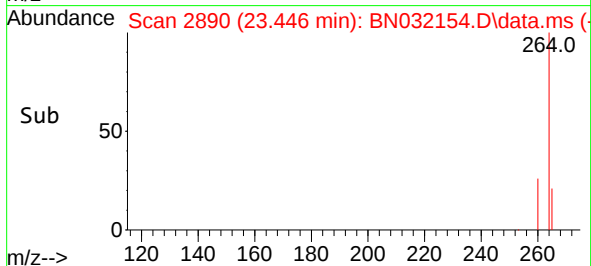
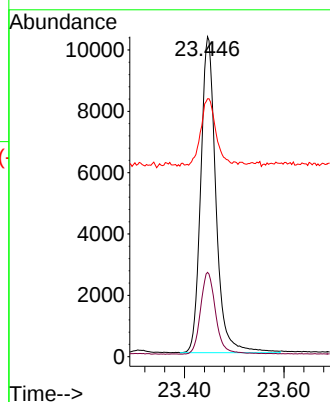
Tgt Ion:264 Resp: 21837

Ion Ratio Lower Upper

264 100

260 26.4 20.5 30.7

265 80.6 39.6 59.4#



#37

Benzo(b)fluoranthene

Concen: 0.028 ng

RT: 22.785 min Scan# 2664

Delta R.T. 0.000 min

Lab File: BN032154.D

Acq: 22 Jun 2024 05:35

Tgt Ion:252 Resp: 2232

Ion Ratio Lower Upper

252 100

253 69.7 20.2 30.2#

125 86.0 14.2 21.4#

