

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041825\  
 Data File : BP024348.D  
 Acq On : 18 Apr 2025 18:48  
 Operator : RC/JU  
 Sample : Q1828-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 RT4643

Quant Time: Apr 19 01:01:56 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 18 12:04:48 2025  
 Response via : Initial Calibration

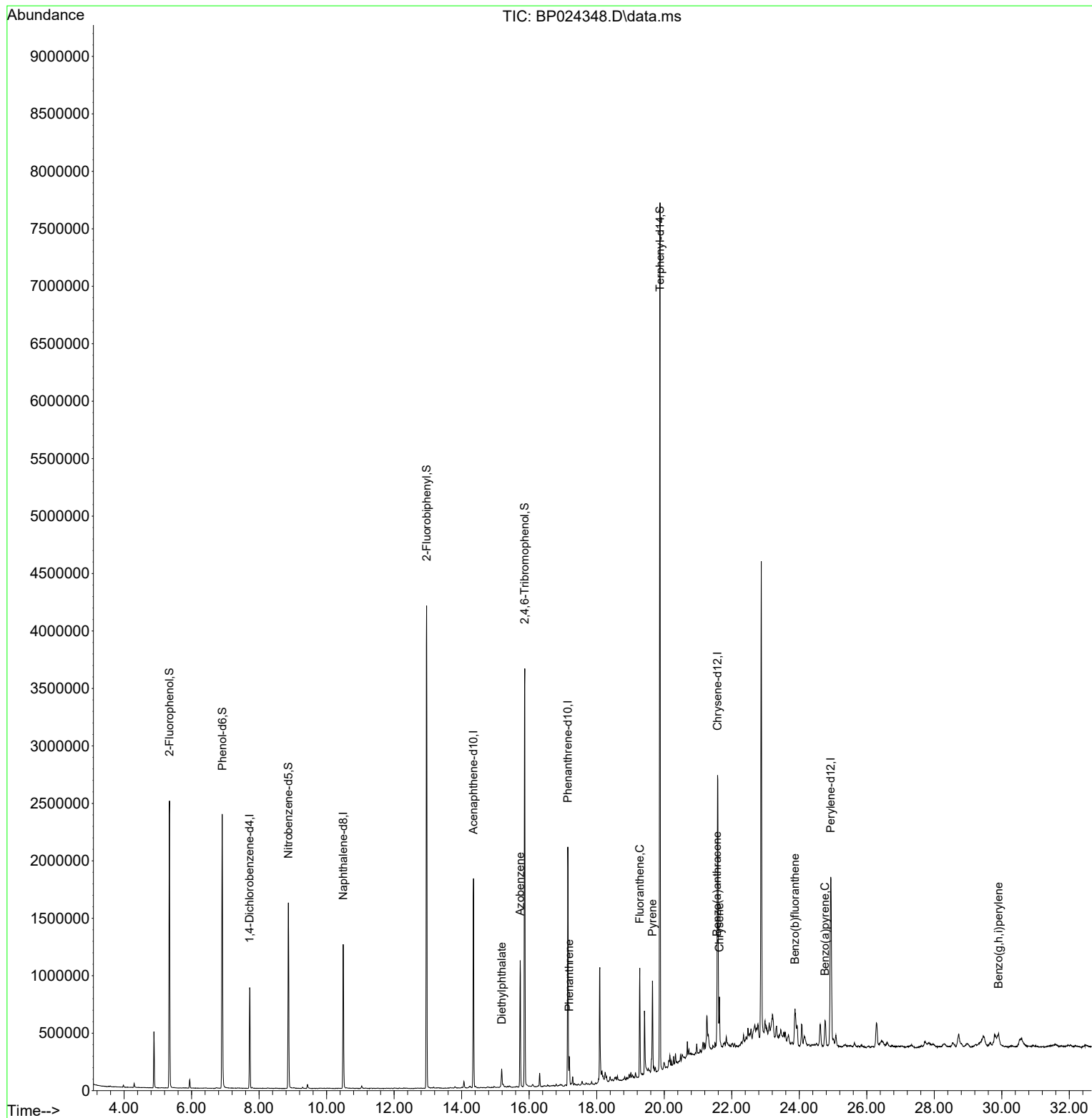
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.722  | 152  | 243246   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.493 | 136  | 975193   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.351 | 164  | 591694   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.145 | 188  | 1193846  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.580 | 240  | 1370196  | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 24.933 | 264  | 1581462  | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.346  | 112  | 1166900  | 79.320 | ng    | 0.00     |
| 7) Phenol-d6                | 6.911  | 99   | 1548747  | 76.884 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.869  | 82   | 931826   | 54.485 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.869 | 330  | 730720   | 89.260 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.963 | 172  | 2149135  | 55.613 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.875 | 244  | 3820332  | 56.199 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 60) Diethylphthalate        | 15.187 | 149  | 137358   | 3.098  | ng    | 99       |
| 63) Azobenzene              | 15.734 | 77   | 316086   | 7.756  | ng    | # 1      |
| 71) Phenanthrene            | 17.186 | 178  | 147144   | 2.259  | ng    | 100      |
| 75) Fluoranthene            | 19.275 | 202  | 523322   | 6.756  | ng    | 99       |
| 78) Pyrene                  | 19.651 | 202  | 479651   | 5.508  | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.563 | 228  | 245997   | 2.888  | ng    | 98       |
| 83) Chrysene                | 21.633 | 228  | 281824   | 3.454  | ng    | 98       |
| 88) Benzo(b)fluoranthene    | 23.874 | 252  | 400214   | 4.222  | ng    | 99       |
| 90) Benzo(a)pyrene          | 24.763 | 252  | 247205   | 3.023  | ng    | 98       |
| 92) Benzo(g,h,i)perylene    | 29.903 | 276  | 185707   | 2.002  | ng    | 98       |
| -----                       |        |      |          |        |       |          |

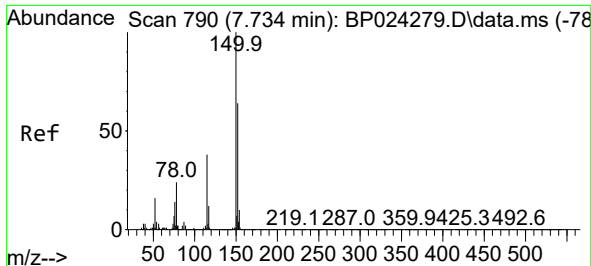
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041825\  
Data File : BP024348.D  
Acq On : 18 Apr 2025 18:48  
Operator : RC/JU  
Sample : Q1828-01  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
RT4643

Quant Time: Apr 19 01:01:56 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 18 12:04:48 2025  
Response via : Initial Calibration

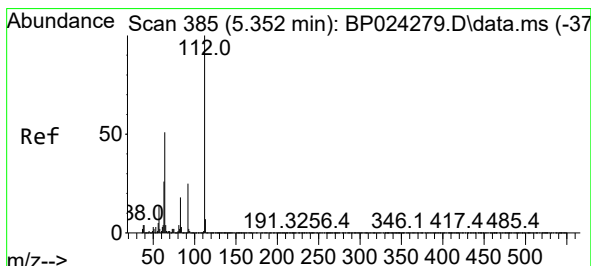
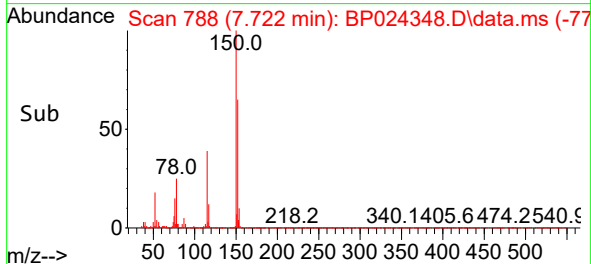
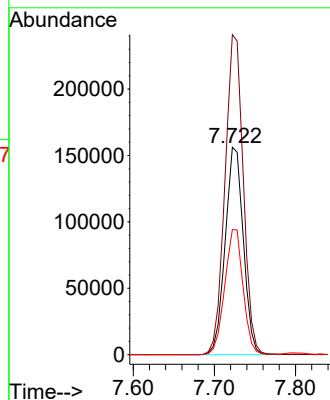
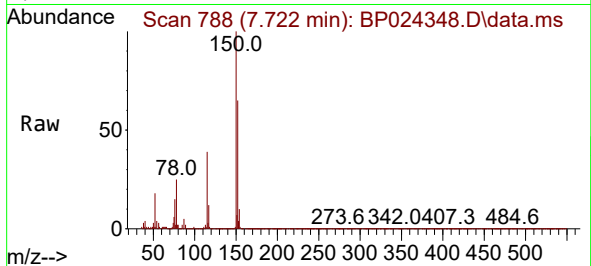




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.722 min Scan# 7  
Delta R.T. 0.000 min  
Lab File: BP024348.D  
Acq: 18 Apr 2025 18:48

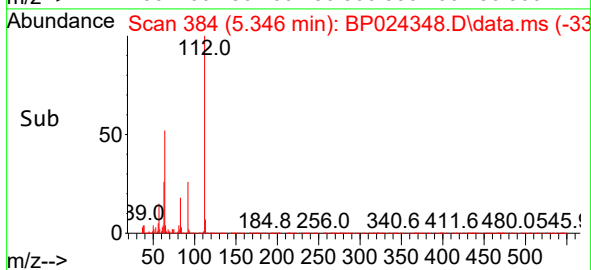
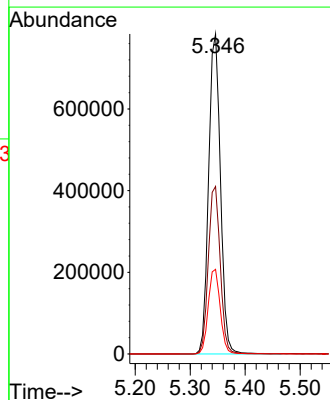
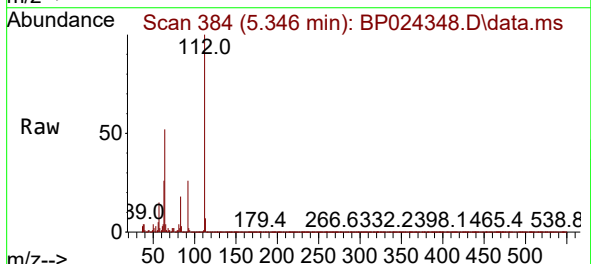
Instrument :  
BNA\_P  
ClientSampleId :  
RT4643

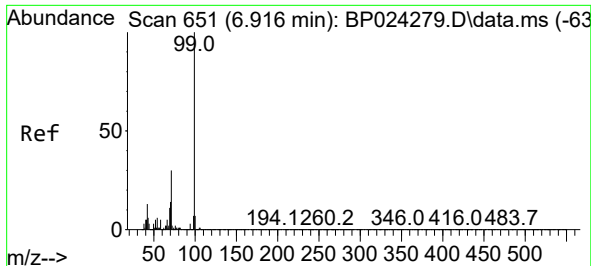
Tgt Ion:152 Resp: 243246  
Ion Ratio Lower Upper  
152 100  
150 154.4 124.9 187.3  
115 60.4 47.7 71.5



#5  
2-Fluorophenol  
Concen: 79.320 ng  
RT: 5.346 min Scan# 384  
Delta R.T. 0.000 min  
Lab File: BP024348.D  
Acq: 18 Apr 2025 18:48

Tgt Ion:112 Resp: 1166900  
Ion Ratio Lower Upper  
112 100  
64 52.4 41.1 61.7  
63 26.4 20.6 30.8

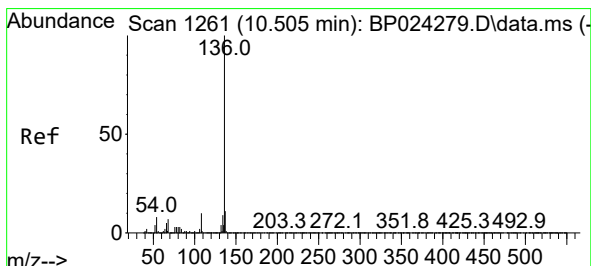
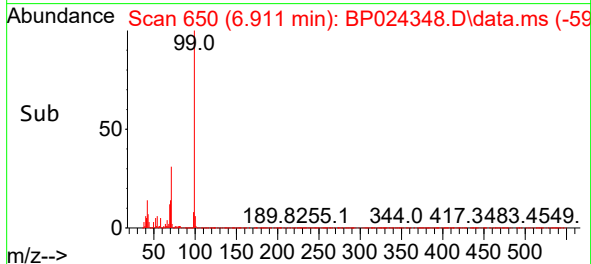
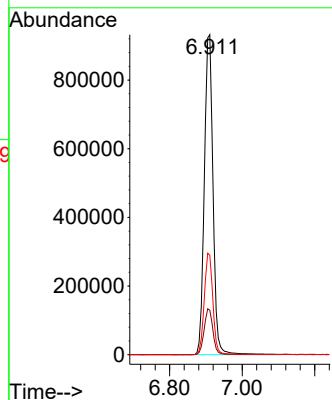
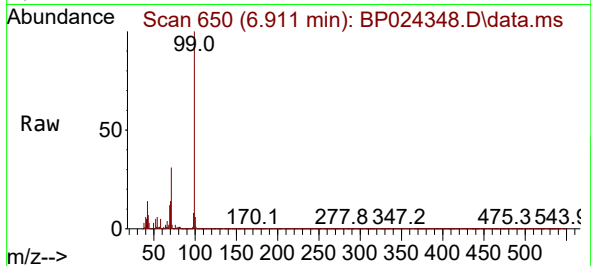




#7  
Phenol-d6  
Concen: 76.884 ng  
RT: 6.911 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BP024348.D  
Acq: 18 Apr 2025 18:48

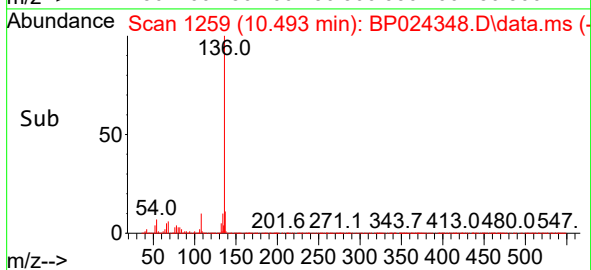
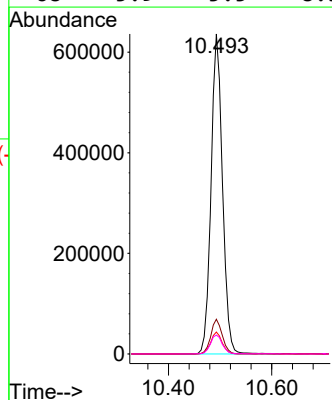
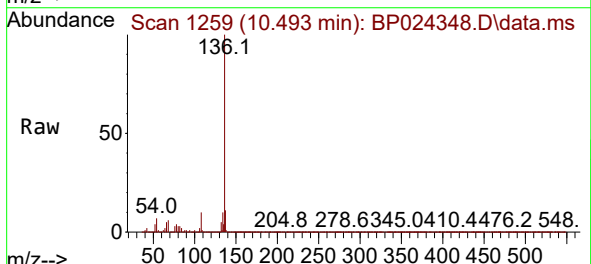
Instrument :  
BNA\_P  
ClientSampleId :  
RT4643

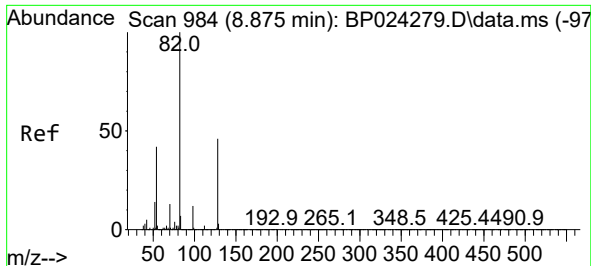
Tgt Ion: 99 Resp: 1548747  
Ion Ratio Lower Upper  
99 100  
42 13.9 10.6 16.0  
71 31.1 23.7 35.5



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.493 min Scan# 1259  
Delta R.T. -0.006 min  
Lab File: BP024348.D  
Acq: 18 Apr 2025 18:48

Tgt Ion: 136 Resp: 975193  
Ion Ratio Lower Upper  
136 100  
137 10.9 9.2 13.8  
54 6.8 6.0 9.0  
68 5.9 5.5 8.3

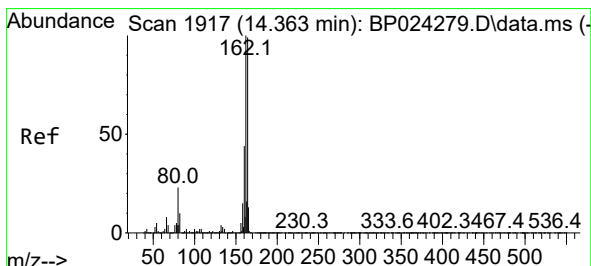
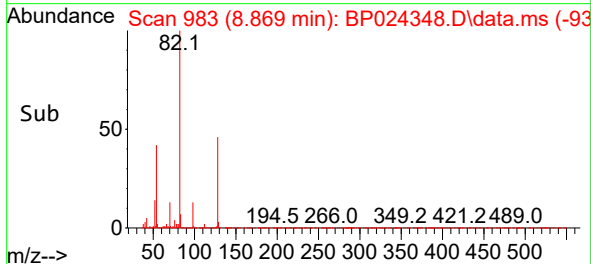
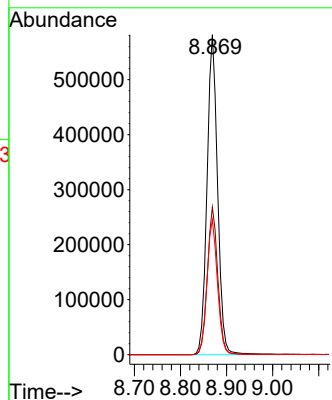
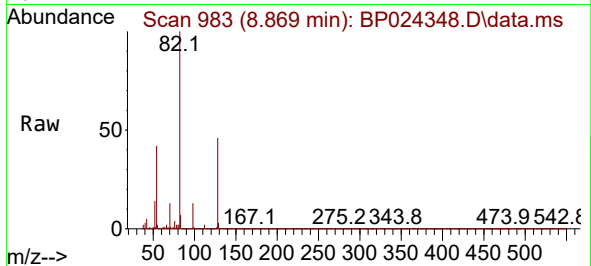




#23  
Nitrobenzene-d5  
Concen: 54.485 ng  
RT: 8.869 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BP024348.D  
Acq: 18 Apr 2025 18:48

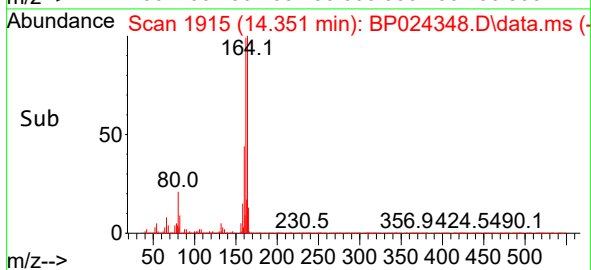
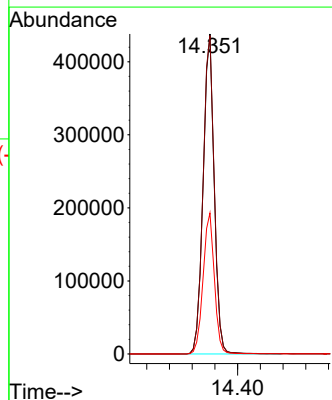
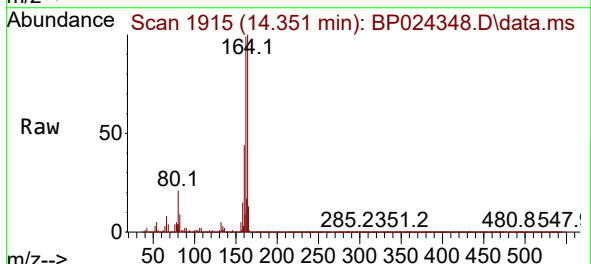
Instrument :  
BNA\_P  
ClientSampleId :  
RT4643

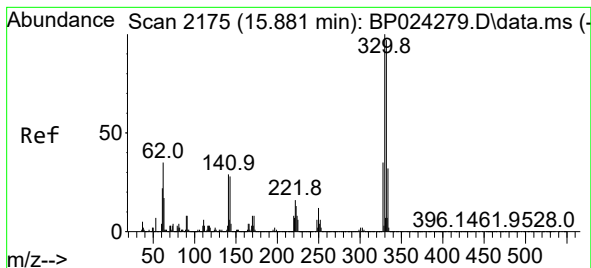
Tgt Ion: 82 Resp: 931826  
Ion Ratio Lower Upper  
82 100  
128 46.1 36.5 54.7  
54 42.1 33.4 50.2



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.351 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: BP024348.D  
Acq: 18 Apr 2025 18:48

Tgt Ion: 164 Resp: 591694  
Ion Ratio Lower Upper  
164 100  
162 99.5 80.6 120.8  
160 44.0 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 89.260 ng

RT: 15.869 min Scan# 2173

Delta R.T. 0.006 min

Lab File: BP024348.D

Acq: 18 Apr 2025 18:48

Instrument :

BNA\_P

ClientSampleId :

RT4643

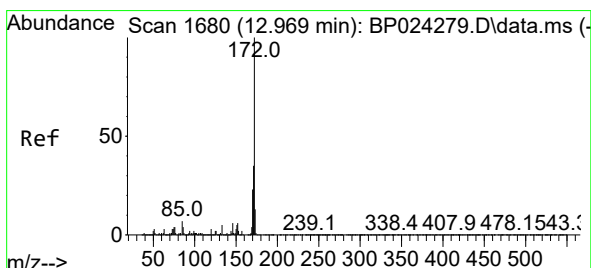
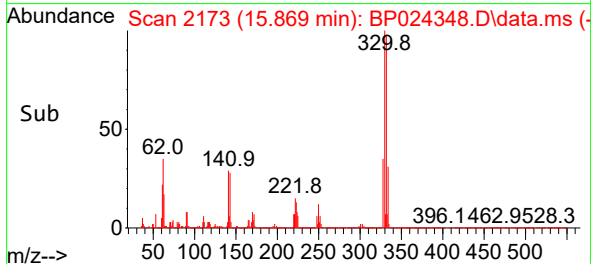
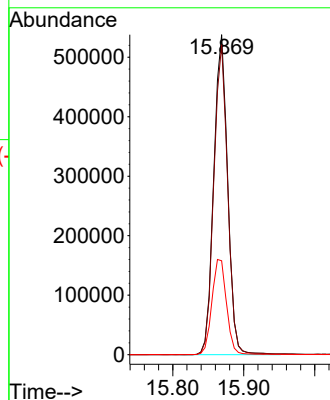
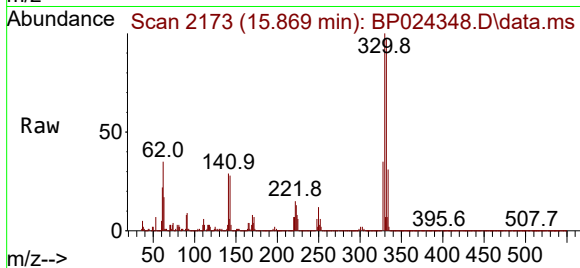
Tgt Ion:330 Resp: 730720

Ion Ratio Lower Upper

330 100

332 97.0 77.1 115.7

141 31.3 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 55.613 ng

RT: 12.963 min Scan# 1679

Delta R.T. 0.000 min

Lab File: BP024348.D

Acq: 18 Apr 2025 18:48

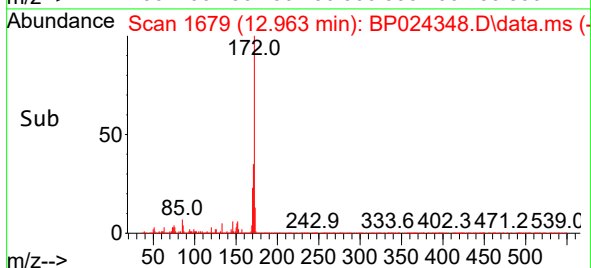
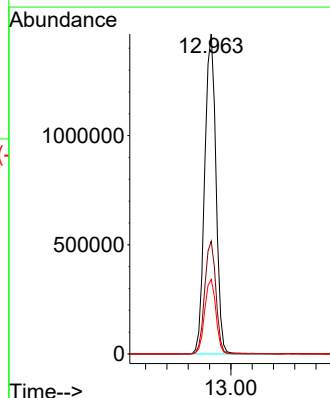
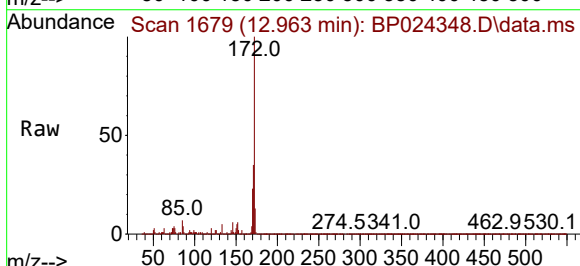
Tgt Ion:172 Resp: 2149135

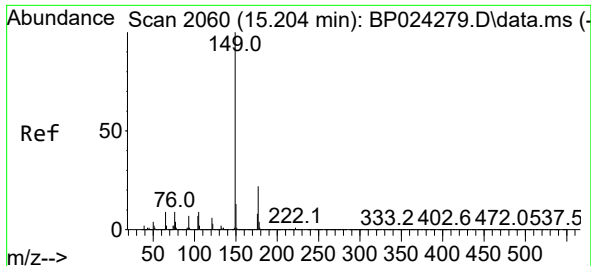
Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.2

170 23.3 18.6 27.8

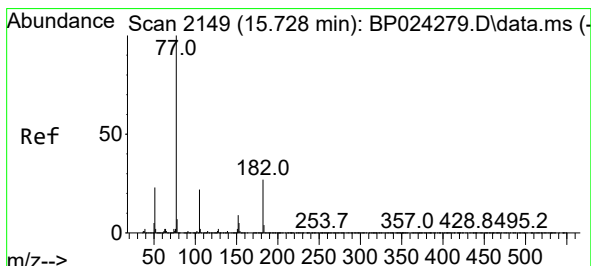
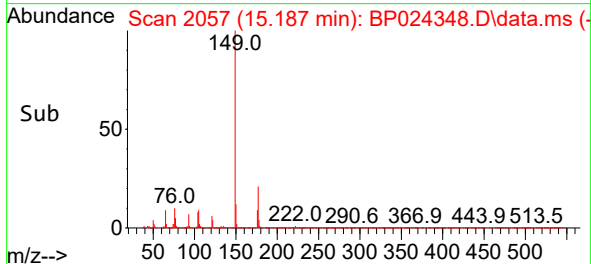
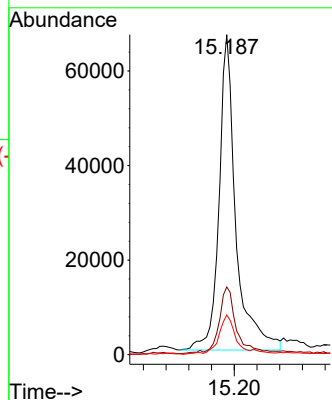
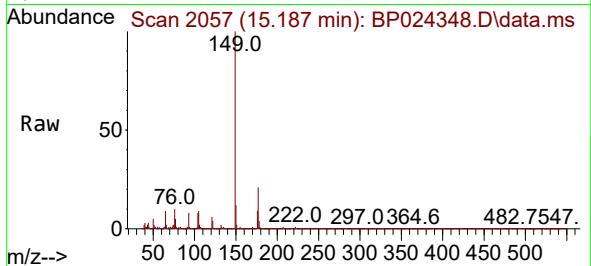




#60  
Diethylphthalate  
Concen: 3.098 ng  
RT: 15.187 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BP024348.D  
Acq: 18 Apr 2025 18:48

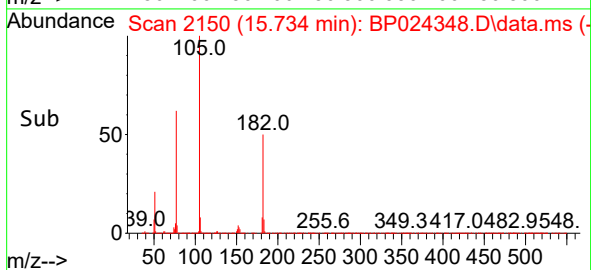
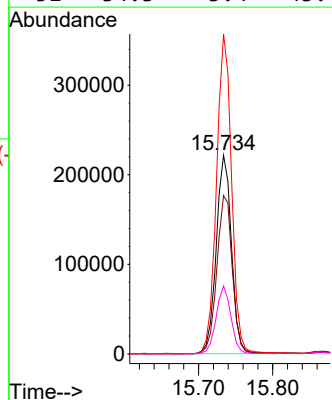
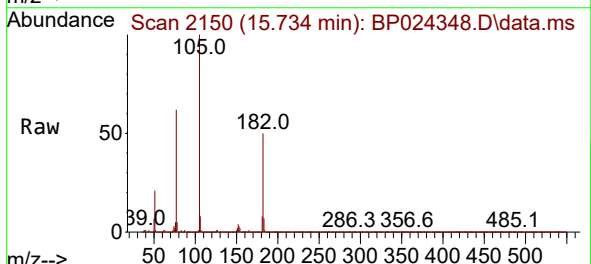
Instrument :  
BNA\_P  
ClientSampleId :  
RT4643

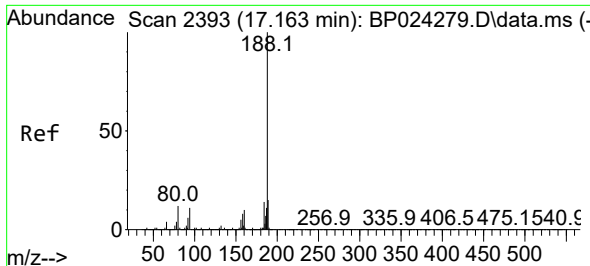
Tgt Ion:149 Resp: 137358  
Ion Ratio Lower Upper  
149 100  
177 21.2 17.4 26.2  
150 12.4 10.1 15.1



#63  
Azobenzene  
Concen: 7.756 ng  
RT: 15.734 min Scan# 2150  
Delta R.T. 0.024 min  
Lab File: BP024348.D  
Acq: 18 Apr 2025 18:48

Tgt Ion: 77 Resp: 316086  
Ion Ratio Lower Upper  
77 100  
182 79.7 7.3 47.3#  
105 161.1 2.3 42.3#  
51 34.3 3.4 43.4

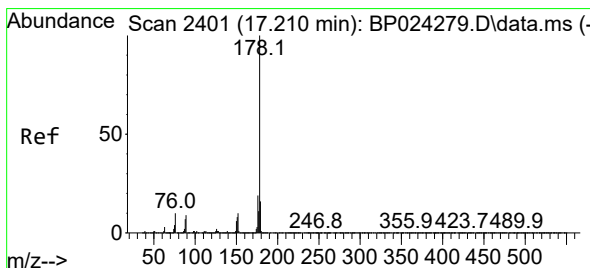
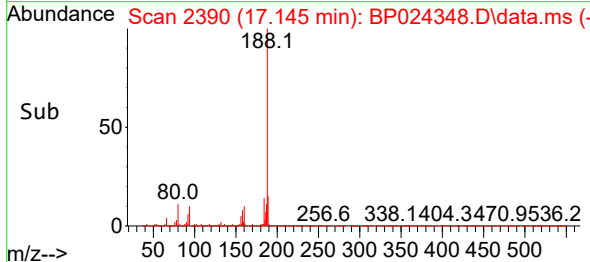
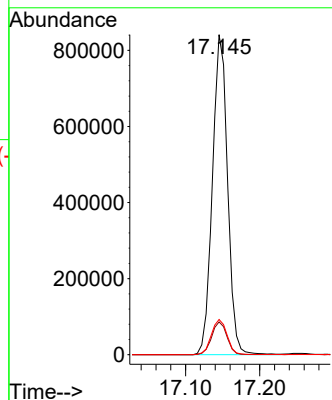
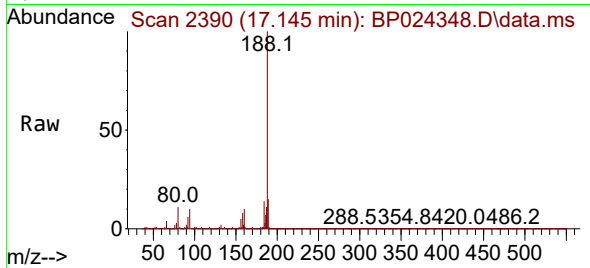




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.145 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BP024348.D  
Acq: 18 Apr 2025 18:48

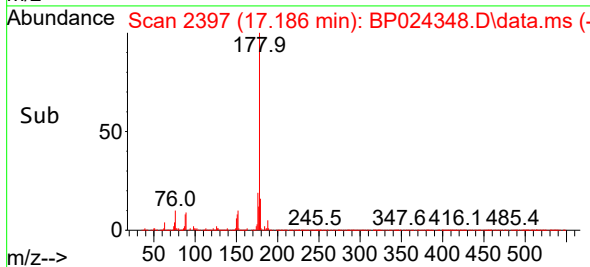
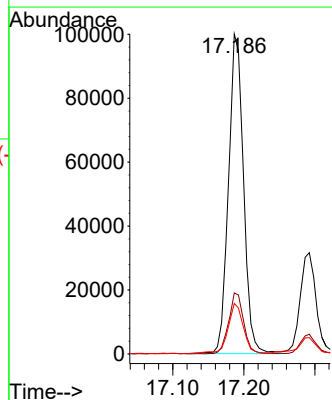
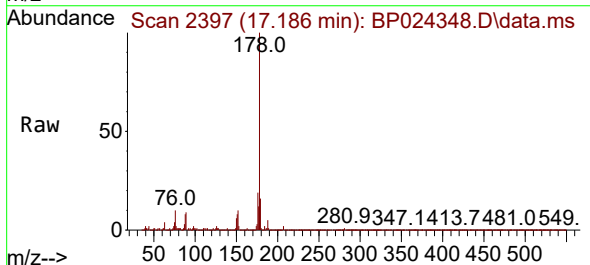
Instrument :  
BNA\_P  
ClientSampleId :  
RT4643

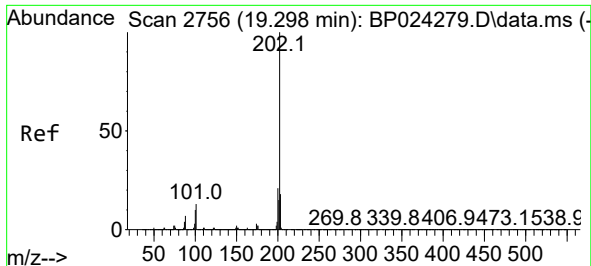
Tgt Ion:188 Resp: 1193846  
Ion Ratio Lower Upper  
188 100  
94 10.3 8.6 13.0  
80 11.0 9.8 14.6



#71  
Phenanthrene  
Concen: 2.259 ng  
RT: 17.186 min Scan# 2397  
Delta R.T. -0.006 min  
Lab File: BP024348.D  
Acq: 18 Apr 2025 18:48

Tgt Ion:178 Resp: 147144  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.4 23.0  
179 15.8 12.5 18.7

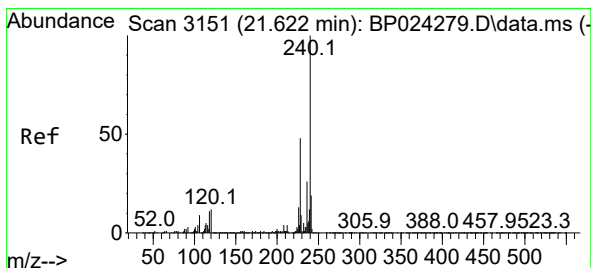
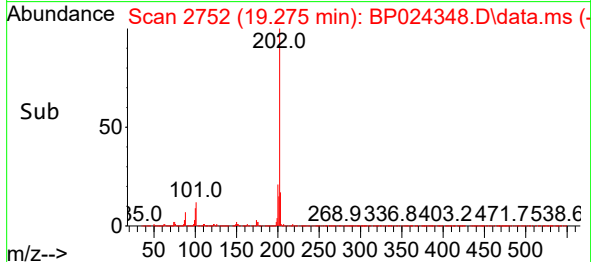
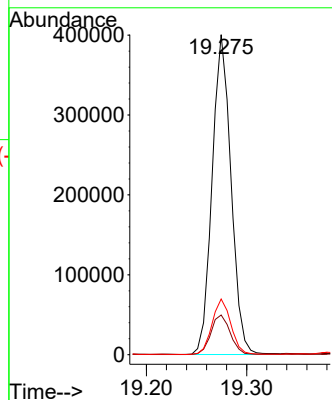
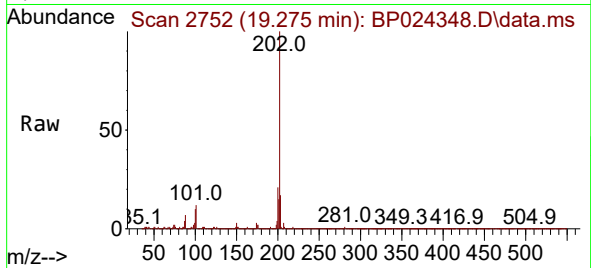




#75  
Fluoranthene  
Concen: 6.756 ng  
RT: 19.275 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP024348.D  
Acq: 18 Apr 2025 18:48

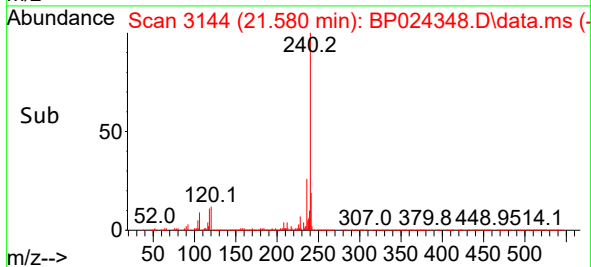
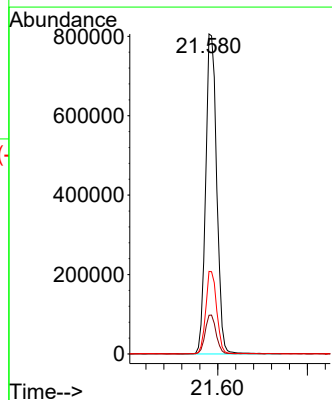
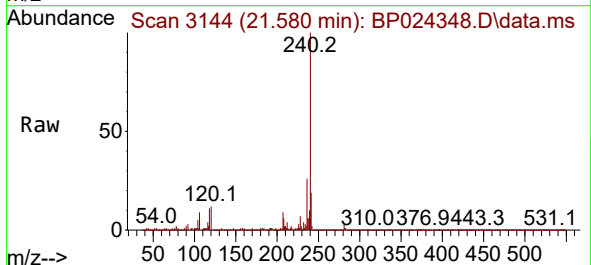
Instrument :  
BNA\_P  
ClientSampleId :  
RT4643

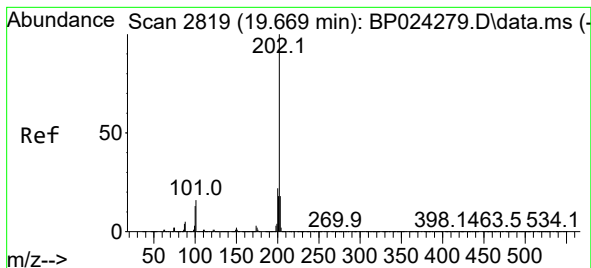
Tgt Ion:202 Resp: 523322  
Ion Ratio Lower Upper  
202 100  
101 12.4 0.0 33.2  
203 17.4 0.0 37.7



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.580 min Scan# 3144  
Delta R.T. -0.012 min  
Lab File: BP024348.D  
Acq: 18 Apr 2025 18:48

Tgt Ion:240 Resp: 1370196  
Ion Ratio Lower Upper  
240 100  
120 12.1 9.8 14.8  
236 25.8 20.9 31.3





#78

Pyrene

Concen: 5.508 ng

RT: 19.651 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP024348.D

Acq: 18 Apr 2025 18:48

Instrument :

BNA\_P

ClientSampleId :

RT4643

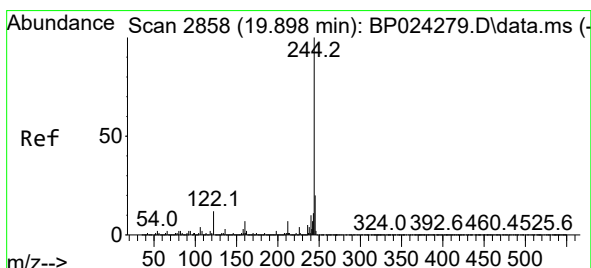
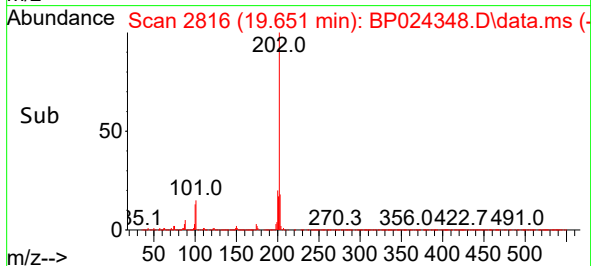
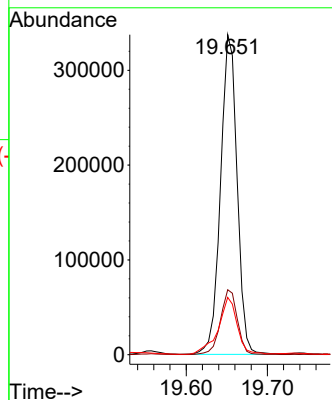
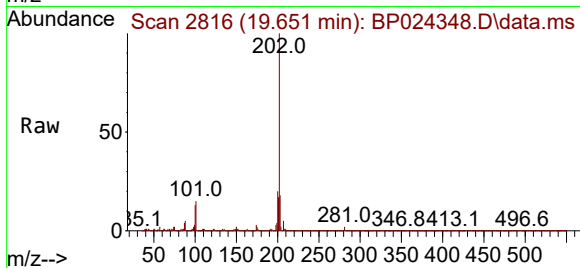
Tgt Ion:202 Resp: 479651

Ion Ratio Lower Upper

202 100

200 20.3 17.2 25.8

203 17.9 14.4 21.6



#79

Terphenyl-d14

Concen: 56.199 ng

RT: 19.875 min Scan# 2854

Delta R.T. 0.000 min

Lab File: BP024348.D

Acq: 18 Apr 2025 18:48

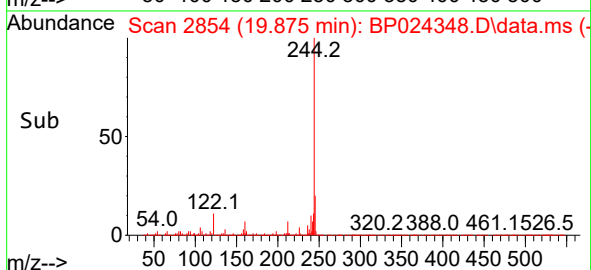
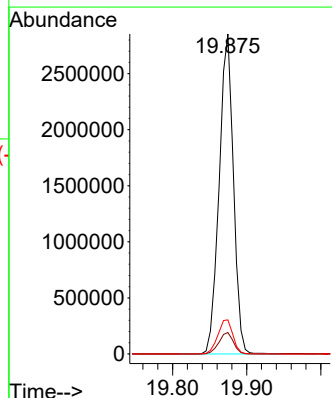
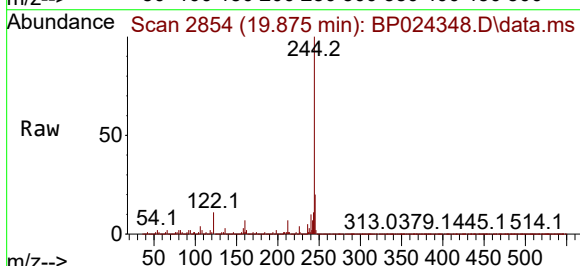
Tgt Ion:244 Resp: 3820332

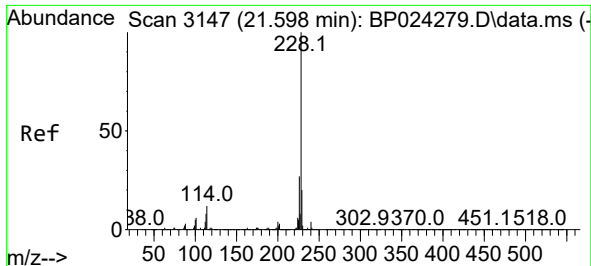
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 10.7 9.4 14.0

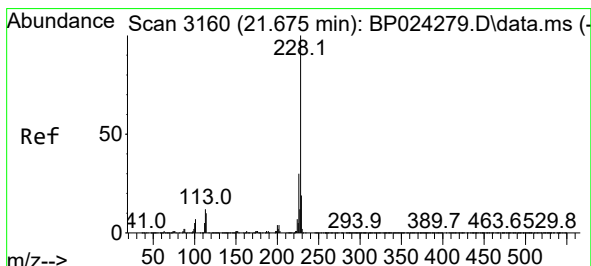
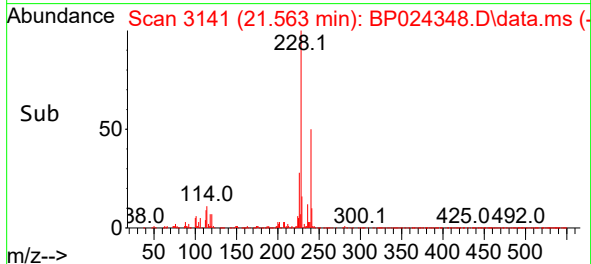
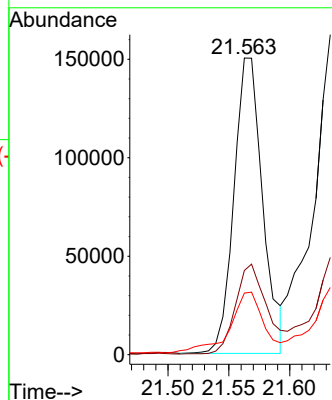
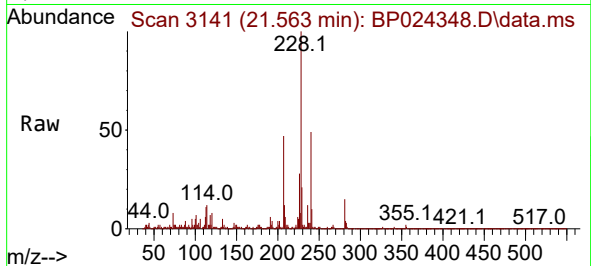




#81  
Benzo(a)anthracene  
Concen: 2.888 ng  
RT: 21.563 min Scan# 3147  
Delta R.T. -0.006 min  
Lab File: BP024348.D  
Acq: 18 Apr 2025 18:48

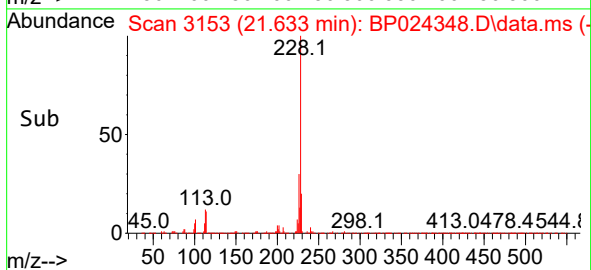
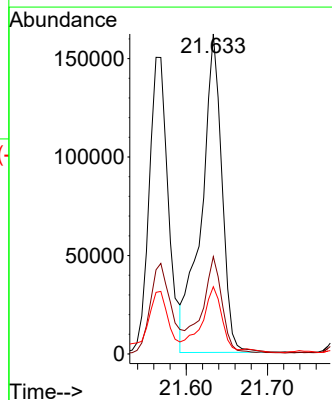
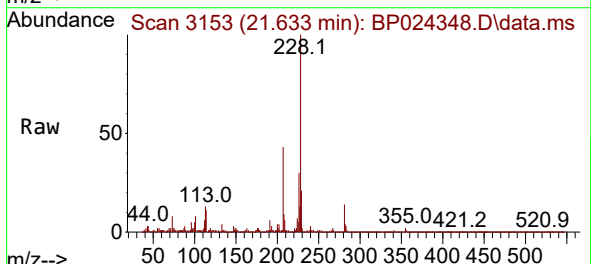
Instrument :  
BNA\_P  
ClientSampleId :  
RT4643

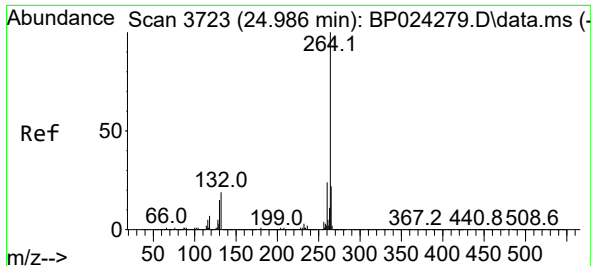
Tgt Ion:228 Resp: 245997  
Ion Ratio Lower Upper  
228 100  
226 28.4 21.8 32.8  
229 20.8 15.9 23.9



#83  
Chrysene  
Concen: 3.454 ng  
RT: 21.633 min Scan# 3153  
Delta R.T. -0.006 min  
Lab File: BP024348.D  
Acq: 18 Apr 2025 18:48

Tgt Ion:228 Resp: 281824  
Ion Ratio Lower Upper  
228 100  
226 30.4 24.2 36.2  
229 21.0 15.6 23.4

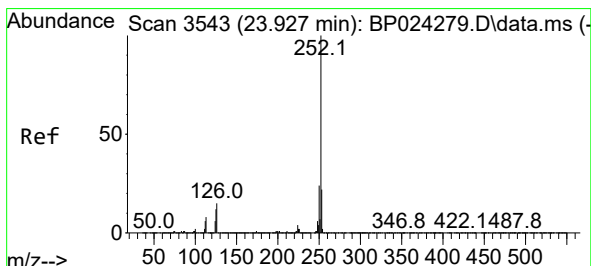
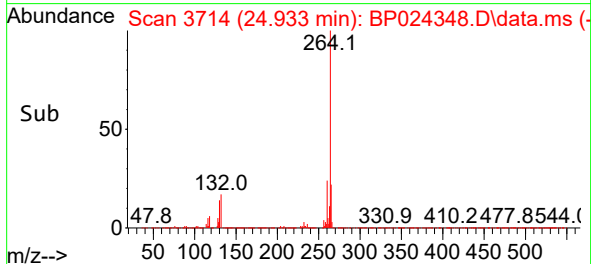
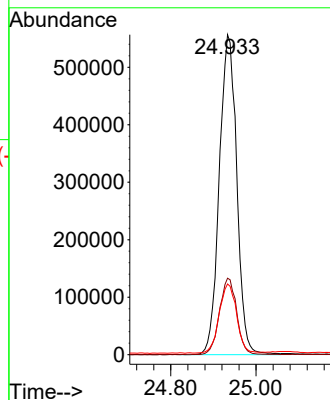
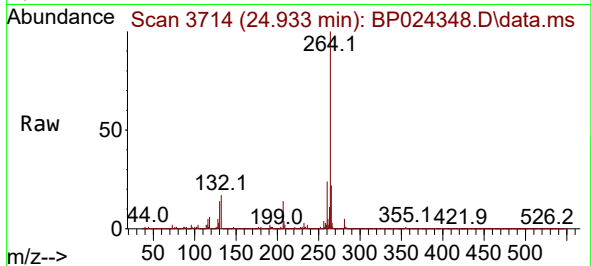




#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.933 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: BP024348.D  
 Acq: 18 Apr 2025 18:48

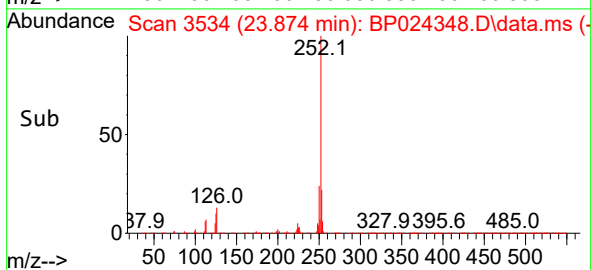
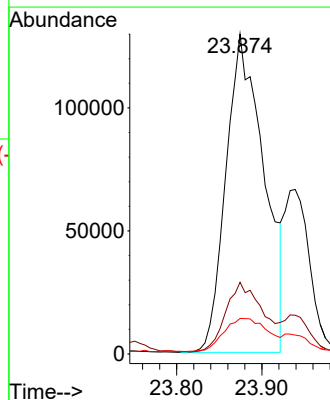
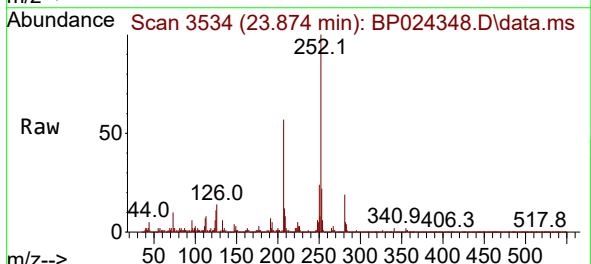
Instrument :  
 BNA\_P  
 ClientSampleId :  
 RT4643

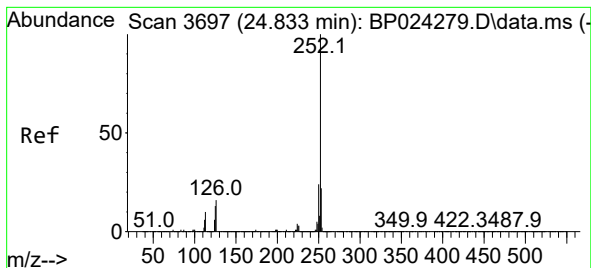
Tgt Ion:264 Resp: 1581462  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 18.9 28.3  
 265 22.1 17.8 26.6



#88  
 Benzo(b)fluoranthene  
 Concen: 4.222 ng  
 RT: 23.874 min Scan# 3534  
 Delta R.T. -0.012 min  
 Lab File: BP024348.D  
 Acq: 18 Apr 2025 18:48

Tgt Ion:252 Resp: 400214  
 Ion Ratio Lower Upper  
 252 100  
 253 22.4 17.7 26.5  
 125 11.1 9.4 14.0





#90

Benzo(a)pyrene

Concen: 3.023 ng

RT: 24.763 min Scan# 30

Delta R.T. -0.018 min

Lab File: BP024348.D

Acq: 18 Apr 2025 18:48

Instrument :

BNA\_P

ClientSampleId :

RT4643

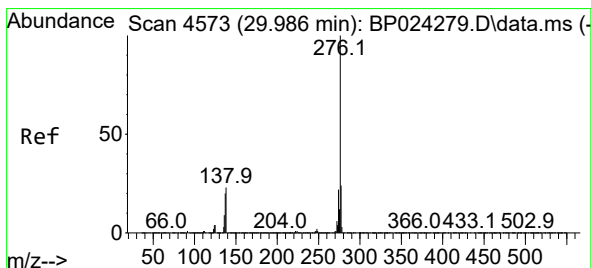
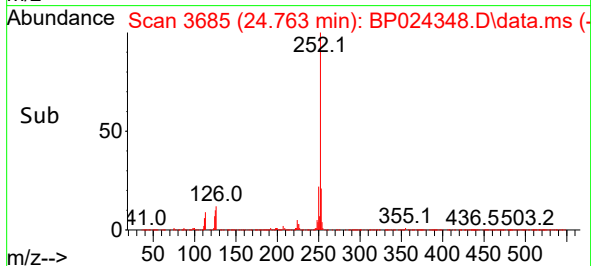
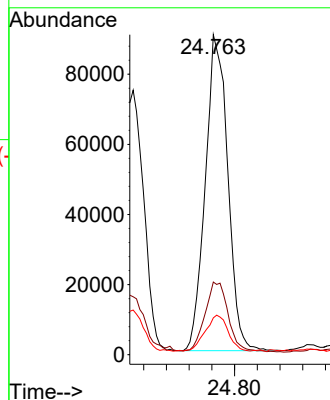
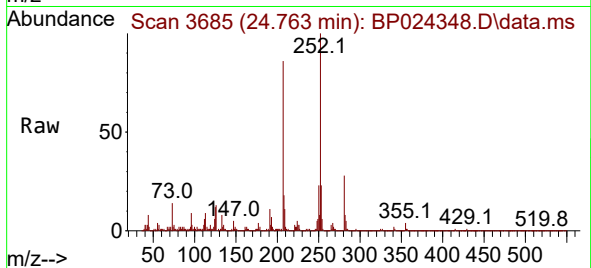
Tgt Ion:252 Resp: 247205

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

125 11.5 10.1 15.1



#92

Benzo(g,h,i)perylene

Concen: 2.002 ng

RT: 29.903 min Scan# 4559

Delta R.T. 0.006 min

Lab File: BP024348.D

Acq: 18 Apr 2025 18:48

Tgt Ion:276 Resp: 185707

Ion Ratio Lower Upper

276 100

277 23.2 18.9 28.3

138 21.4 18.7 28.1

