

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080324\  
 Data File : BF138778.D  
 Acq On : 03 Aug 2024 19:22  
 Operator : RC/JU  
 Sample : P3448-17  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ORIENT-CONC

Quant Time: Aug 05 00:54:14 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 30 17:50:01 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.845  | 152  | 43967    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.122  | 136  | 171267   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.875  | 164  | 92085    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.363 | 188  | 144942   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.004 | 240  | 80609    | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12            | 15.468 | 264  | 96626    | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.475  | 112  | 194918   | 68.434 | ng    | 0.00     |
| 7) Phenol-d6                | 6.487  | 99   | 298252   | 77.993 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.404  | 82   | 214693   | 61.288 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.669 | 330  | 40761    | 54.038 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.198  | 172  | 406258   | 66.287 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.945 | 244  | 322850   | 67.057 | ng    | 0.00     |

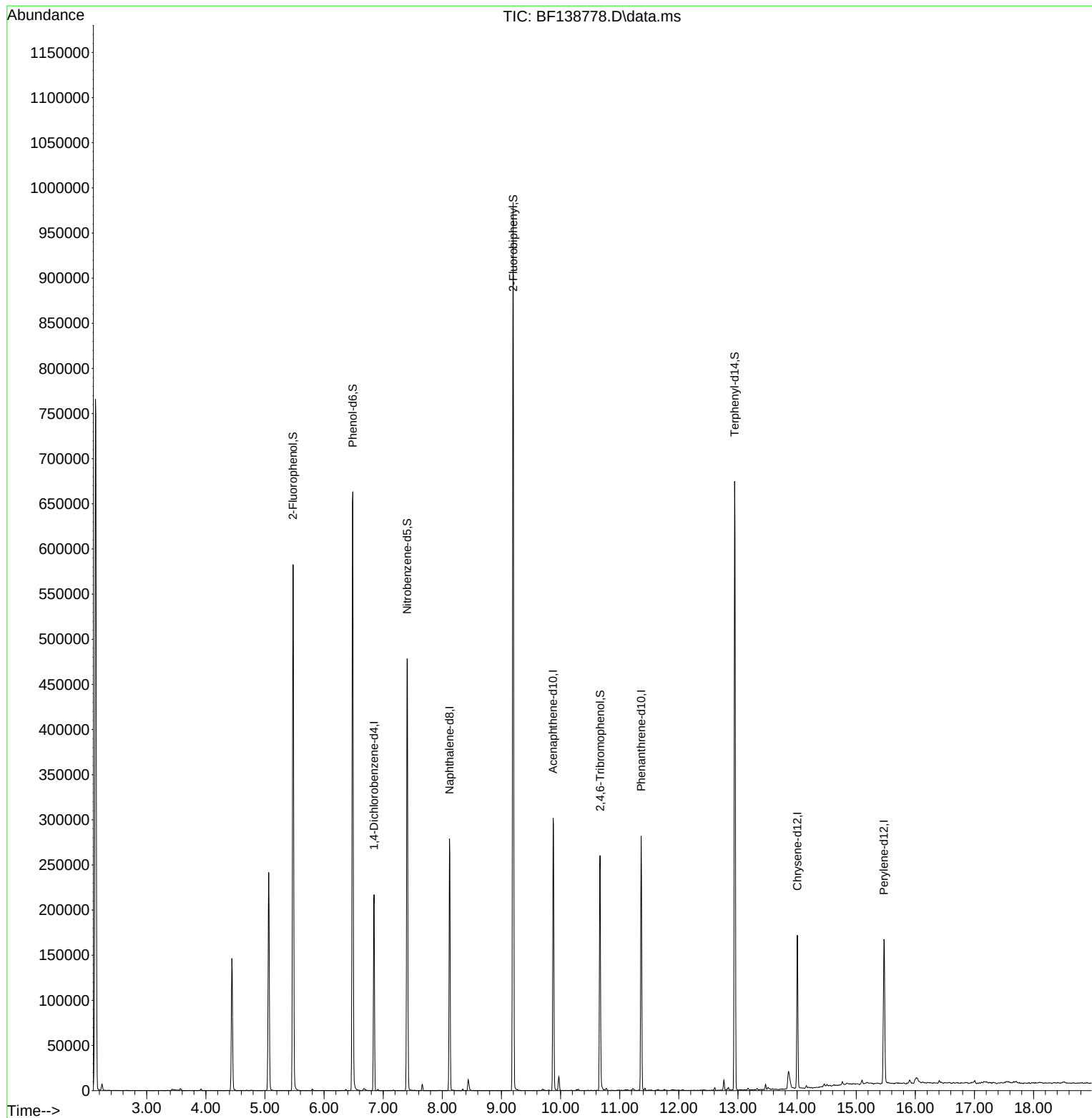
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

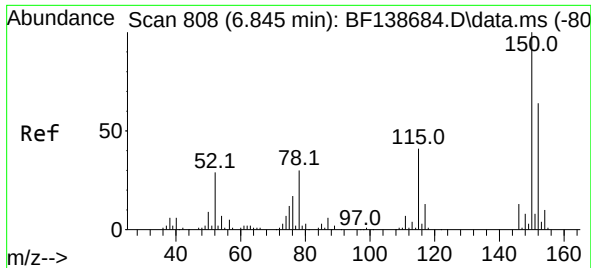
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 21 Sample Multiplier: 1

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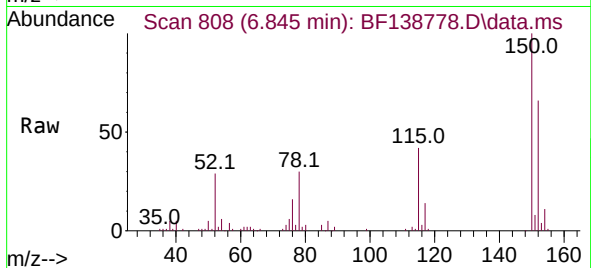
Quant Time: Aug 05 00:54:14 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 30 17:50:01 2024  
Response via : Initial Calibration



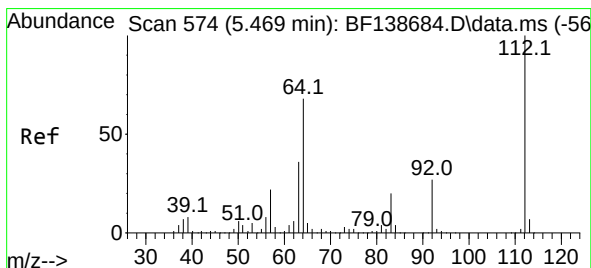
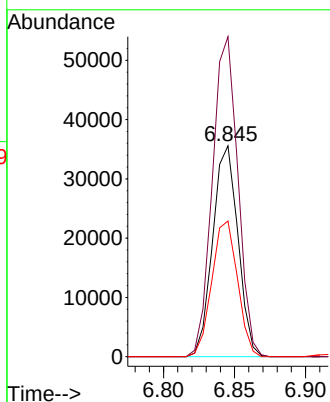
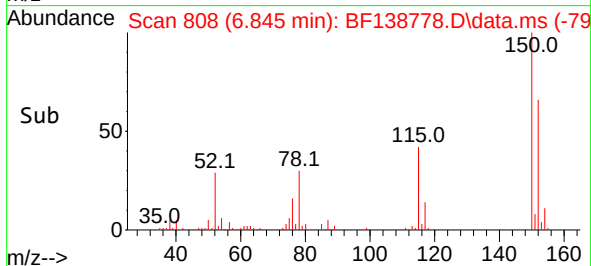


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.845 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: BF138778.D  
Acq: 03 Aug 2024 19:22

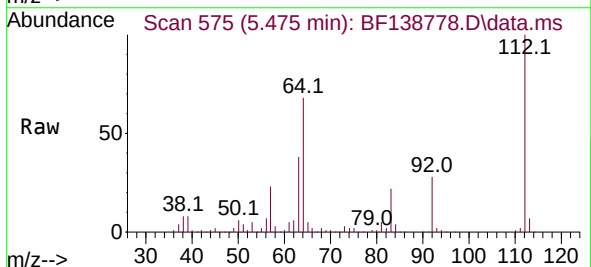
Instrument :  
BNA\_F  
ClientSampleId :  
ORIENT-CONC



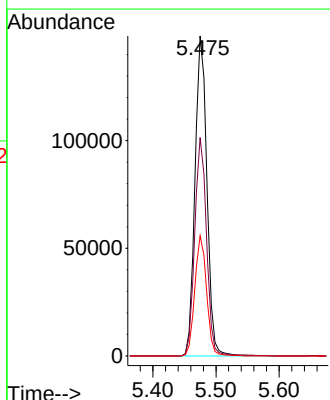
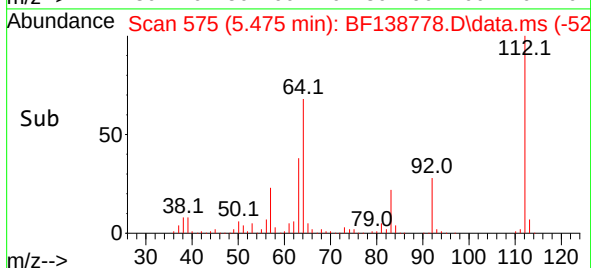
Tgt Ion:152 Resp: 43967  
Ion Ratio Lower Upper  
152 100  
150 151.8 126.0 189.0  
115 64.4 51.7 77.5

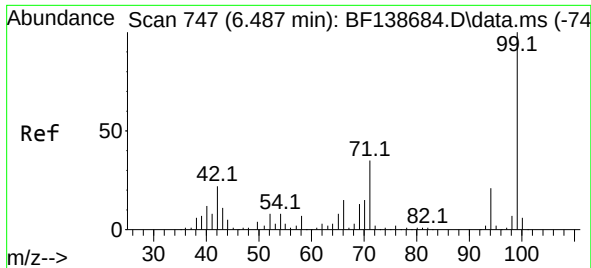


#5  
2-Fluorophenol  
Concen: 68.434 ng  
RT: 5.475 min Scan# 575  
Delta R.T. 0.006 min  
Lab File: BF138778.D  
Acq: 03 Aug 2024 19:22



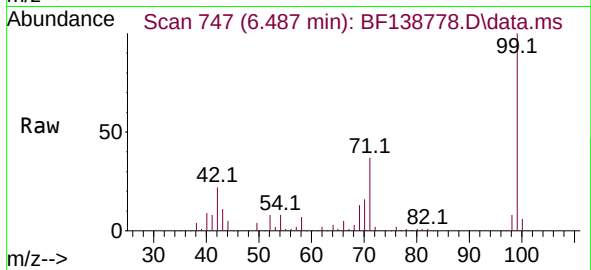
Tgt Ion:112 Resp: 194918  
Ion Ratio Lower Upper  
112 100  
64 68.3 54.2 81.4  
63 37.6 28.7 43.1





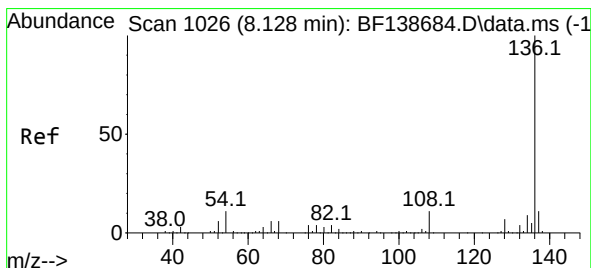
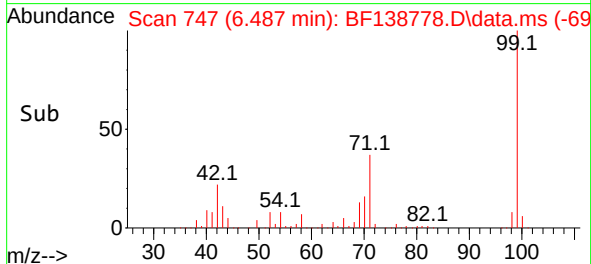
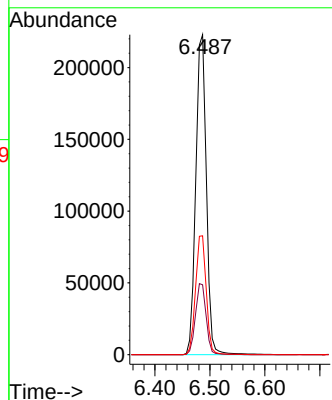
#7  
Phenol-d6  
Concen: 77.993 ng  
RT: 6.487 min Scan# 74  
Delta R.T. -0.000 min  
Lab File: BF138778.D  
Acq: 03 Aug 2024 19:22

Instrument :  
BNA\_F  
ClientSampleId :  
ORIENT-CONC



Tgt Ion: 99 Resp: 298252

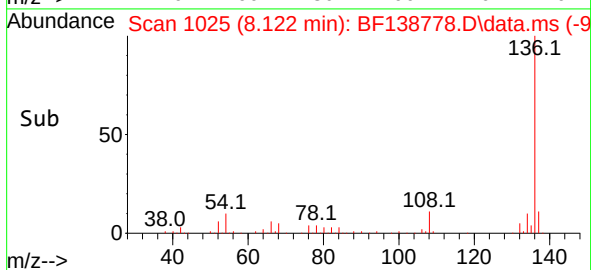
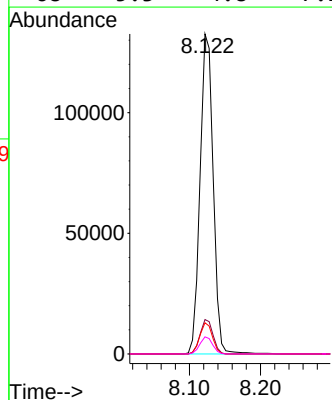
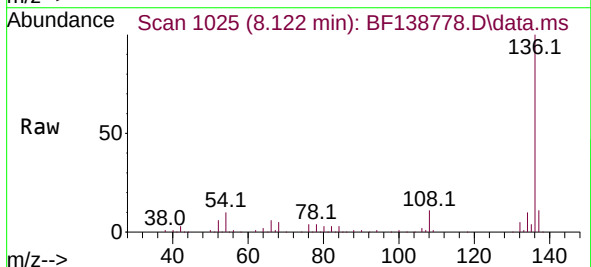
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 21.9  | 17.4  | 26.0  |
| 71  | 37.1  | 28.1  | 42.1  |

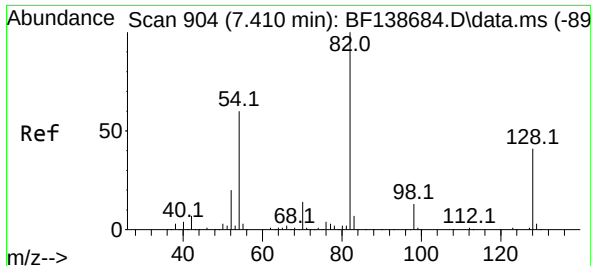


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 1025  
Delta R.T. -0.006 min  
Lab File: BF138778.D  
Acq: 03 Aug 2024 19:22

Tgt Ion: 136 Resp: 171267

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.7  | 8.9   | 13.3  |
| 54  | 9.8   | 8.6   | 12.8  |
| 68  | 5.3   | 4.8   | 7.2   |

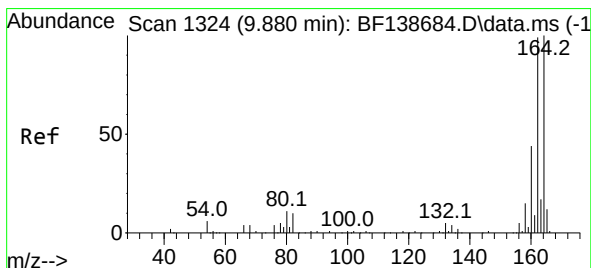
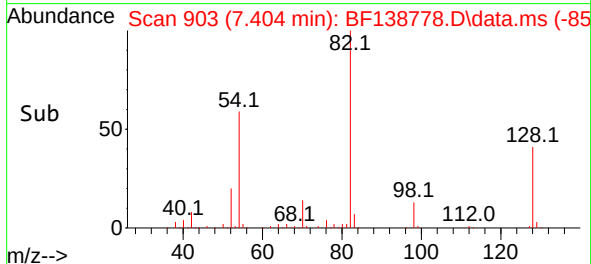
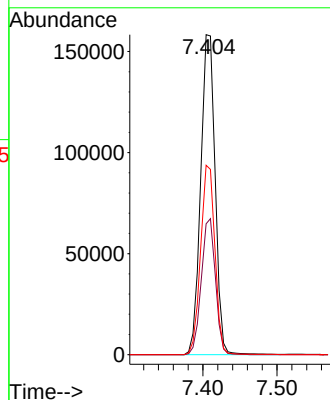
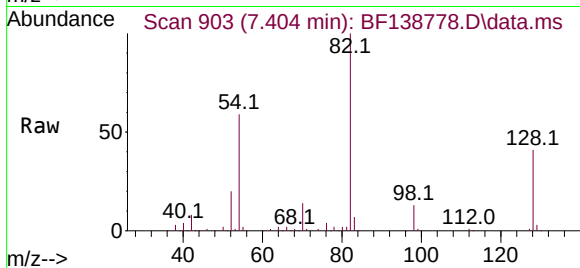




#23  
Nitrobenzene-d5  
Concen: 61.288 ng  
RT: 7.404 min Scan# 904  
Delta R.T. -0.006 min  
Lab File: BF138778.D  
Acq: 03 Aug 2024 19:22

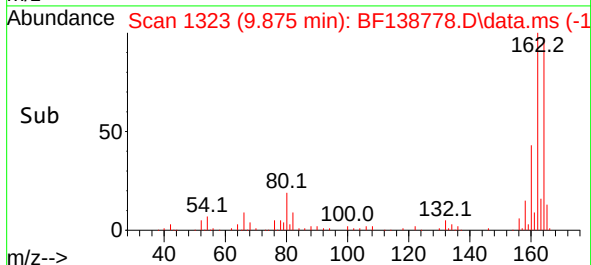
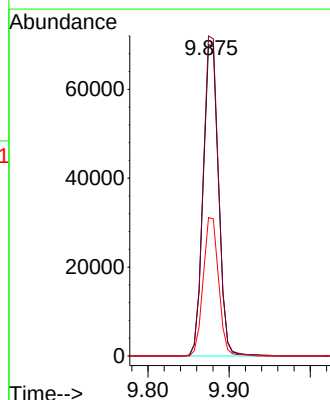
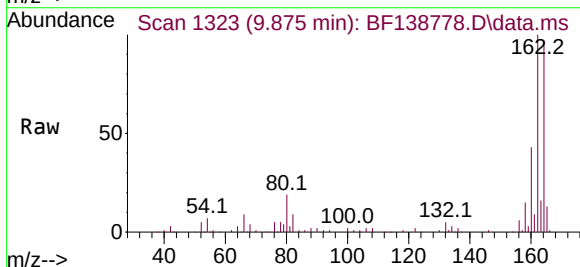
Instrument :  
BNA\_F  
ClientSampleId :  
ORIENT-CONC

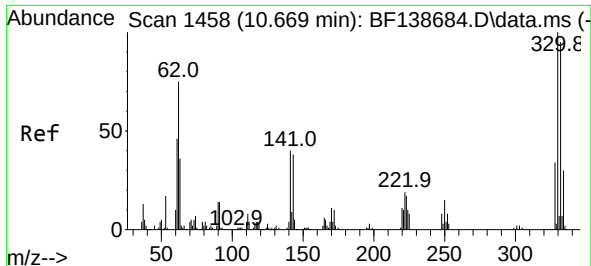
Tgt Ion: 82 Resp: 214693  
Ion Ratio Lower Upper  
82 100  
128 40.9 32.8 49.2  
54 59.2 48.3 72.5



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.875 min Scan# 1323  
Delta R.T. -0.005 min  
Lab File: BF138778.D  
Acq: 03 Aug 2024 19:22

Tgt Ion:164 Resp: 92085  
Ion Ratio Lower Upper  
164 100  
162 102.8 79.4 119.0  
160 44.5 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 54.038 ng

RT: 10.669 min Scan# 1458

Delta R.T. -0.000 min

Lab File: BF138778.D

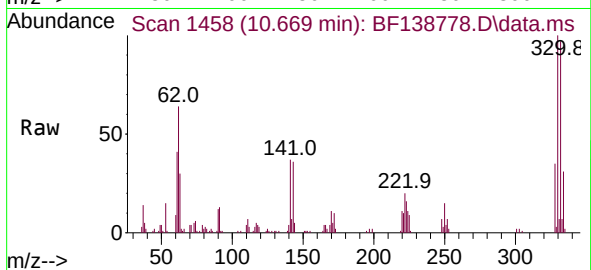
Acq: 03 Aug 2024 19:22

Instrument :

BNA\_F

ClientSampleId :

ORIENT-CONC



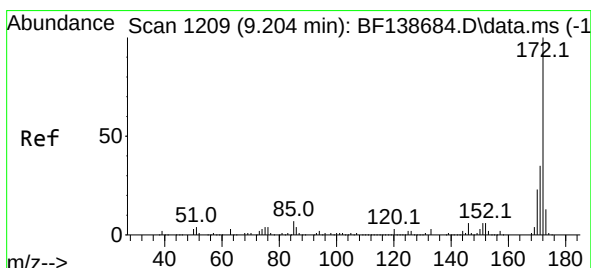
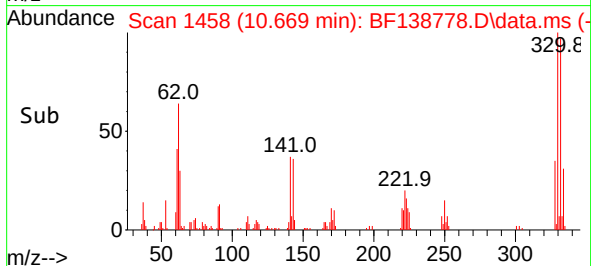
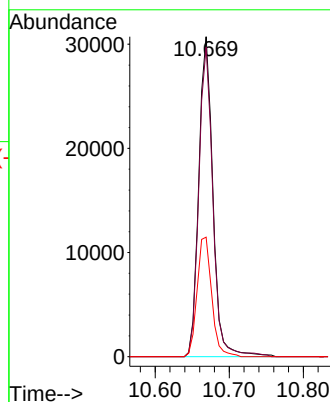
Tgt Ion:330 Resp: 40761

Ion Ratio Lower Upper

330 100

332 96.1 76.4 114.6

141 38.5 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 66.287 ng

RT: 9.198 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF138778.D

Acq: 03 Aug 2024 19:22

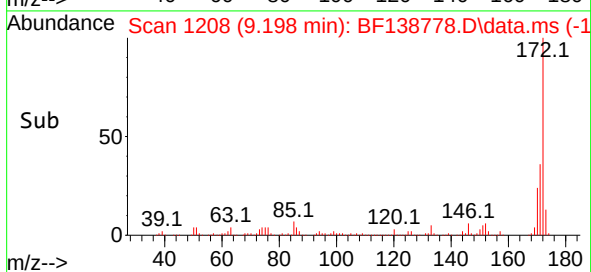
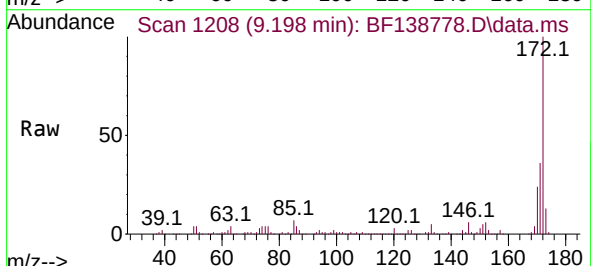
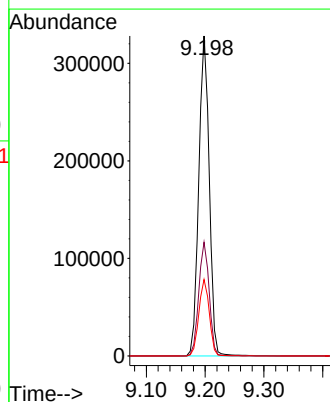
Tgt Ion:172 Resp: 406258

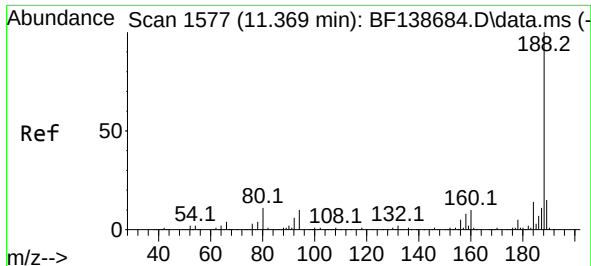
Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

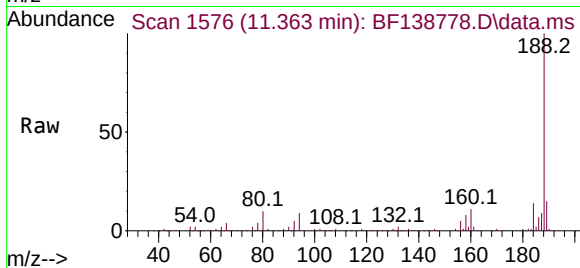
170 23.9 18.8 28.2



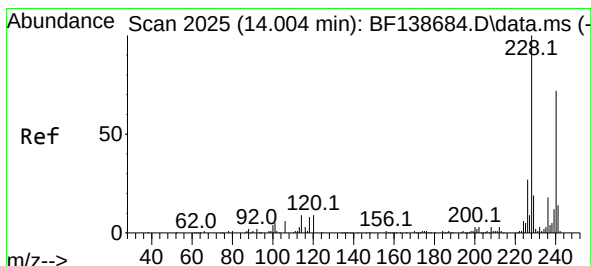
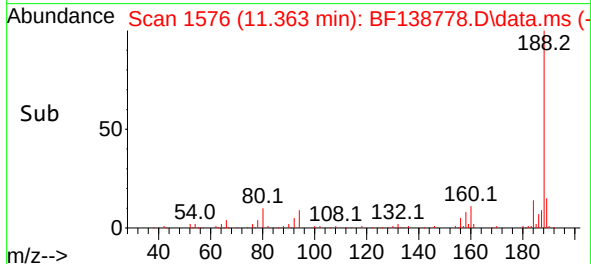
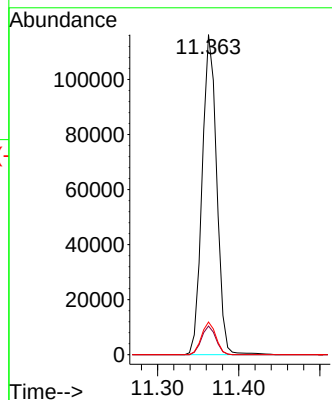


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.363 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF138778.D  
Acq: 03 Aug 2024 19:22

Instrument :  
BNA\_F  
ClientSampleId :  
ORIENT-CONC

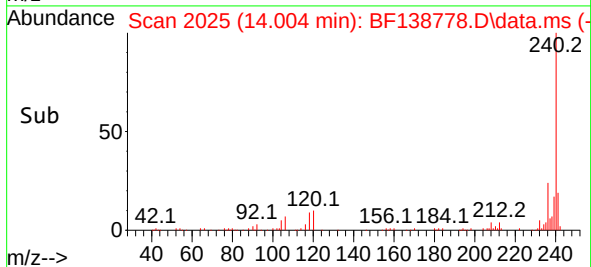
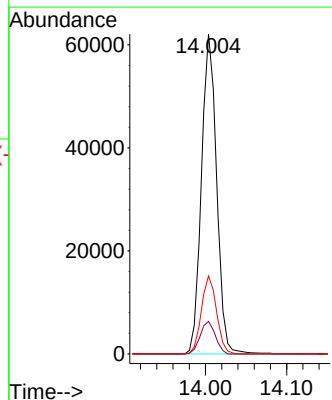
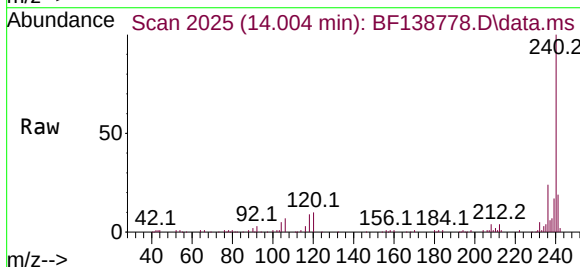


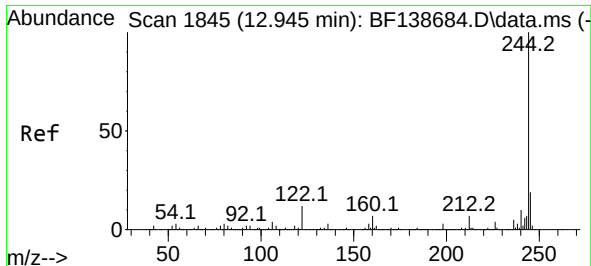
Tgt Ion:188 Resp: 144942  
Ion Ratio Lower Upper  
188 100  
94 8.9 7.6 11.4  
80 10.2 8.6 12.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.004 min Scan# 2025  
Delta R.T. -0.000 min  
Lab File: BF138778.D  
Acq: 03 Aug 2024 19:22

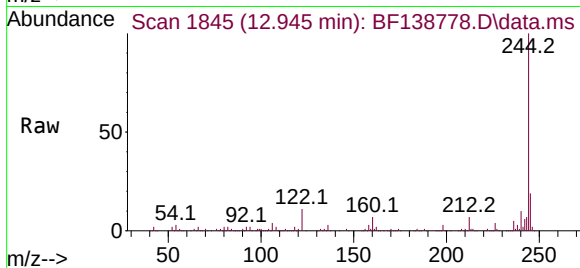
Tgt Ion:240 Resp: 80609  
Ion Ratio Lower Upper  
240 100  
120 10.2 10.2 15.4#  
236 24.4 19.8 29.8



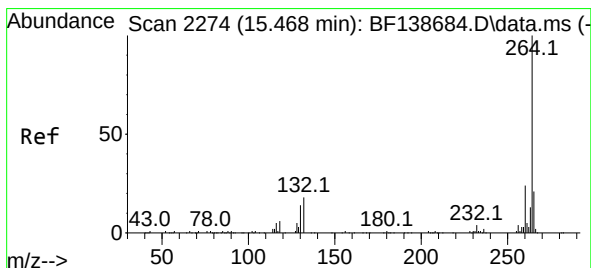
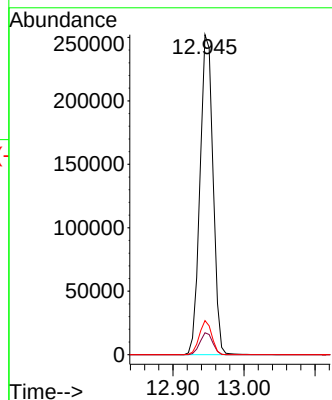
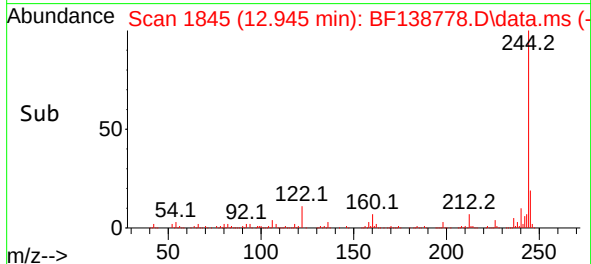


#79  
 Terphenyl-d14  
 Concen: 67.057 ng  
 RT: 12.945 min Scan# 1845  
 Delta R.T. -0.000 min  
 Lab File: BF138778.D  
 Acq: 03 Aug 2024 19:22

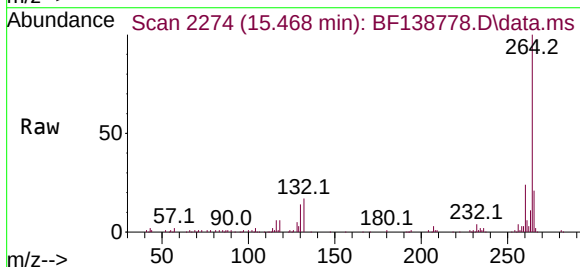
Instrument :  
 BNA\_F  
 ClientSampleId :  
 ORIENT-CONC



Tgt Ion:244 Resp: 322850  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.4 8.2  
 122 10.6 9.6 14.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.468 min Scan# 2274  
 Delta R.T. -0.000 min  
 Lab File: BF138778.D  
 Acq: 03 Aug 2024 19:22



Tgt Ion:264 Resp: 96626  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 19.0 28.6  
 265 21.5 17.0 25.6

