

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122624\  
 Data File : BF140979.D  
 Acq On : 26 Dec 2024 20:18  
 Operator : RC/JU  
 Sample : PB165543BL  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB165543BL

Quant Time: Dec 27 01:02:28 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 27 00:31:16 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.828  | 152  | 273720   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.104  | 136  | 1094098  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.857  | 164  | 596526   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.345 | 188  | 1055382  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.980 | 240  | 834237   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.439 | 264  | 751958   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.446  | 112  | 2312647  | 127.358 | ng    | 0.01     |
| 7) Phenol-d6                | 6.446  | 99   | 2911816  | 124.478 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.387  | 82   | 1808874  | 105.775 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.645 | 330  | 822016   | 141.813 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.181  | 172  | 3213407  | 85.826  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.933 | 244  | 3861216  | 76.878  | ng    | 0.00     |

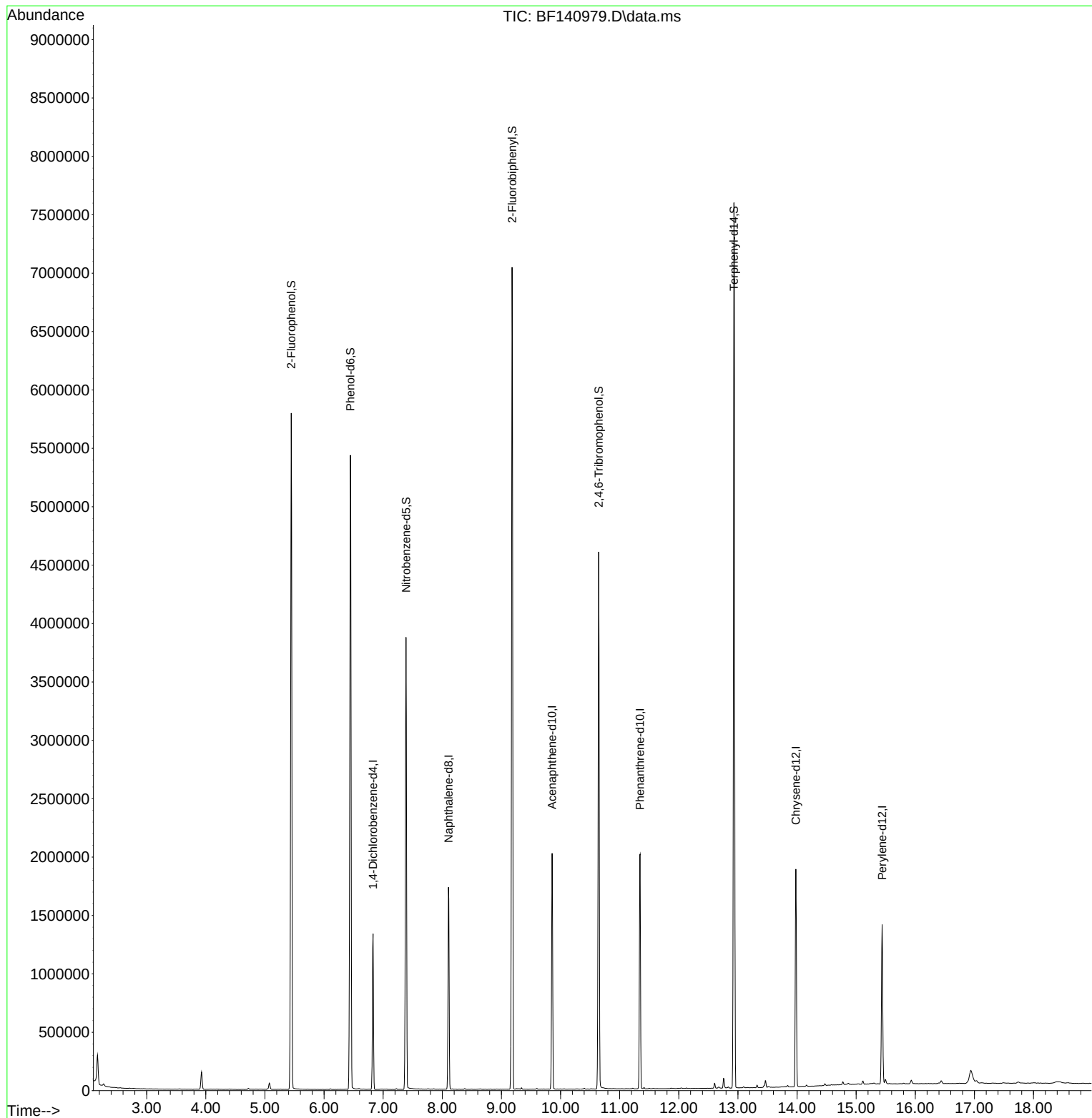
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

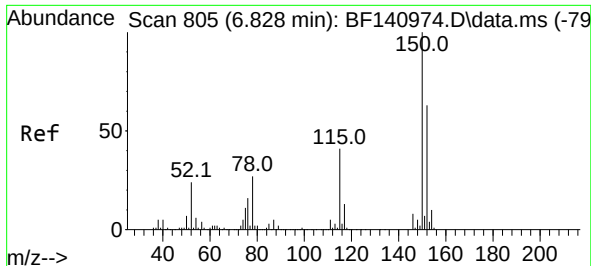
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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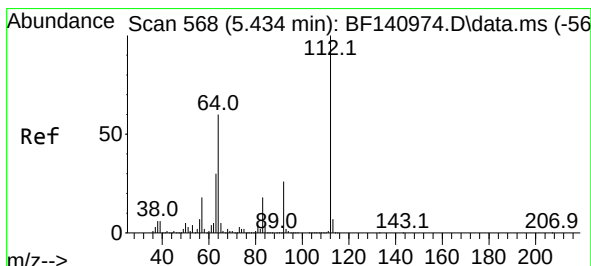
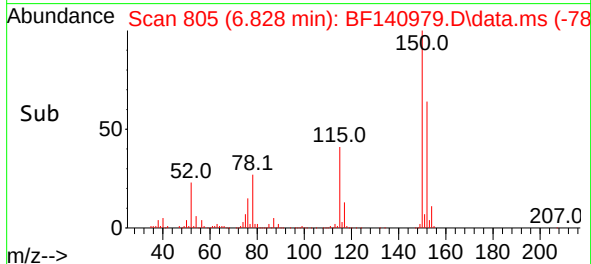
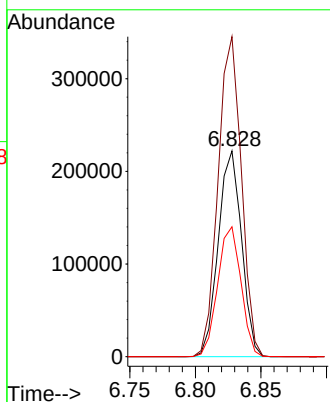
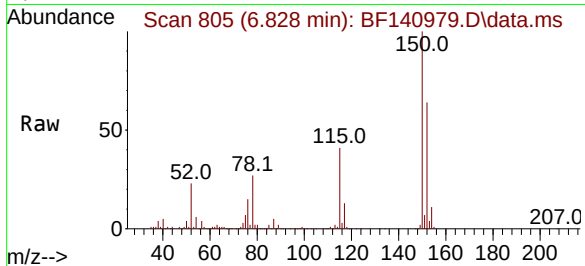




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.828 min Scan# 805  
Delta R.T. -0.000 min  
Lab File: BF140979.D  
Acq: 26 Dec 2024 20:18

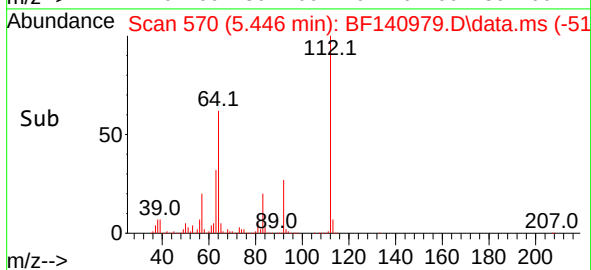
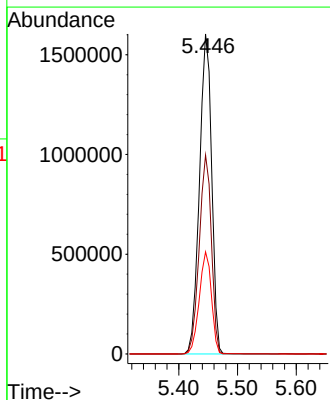
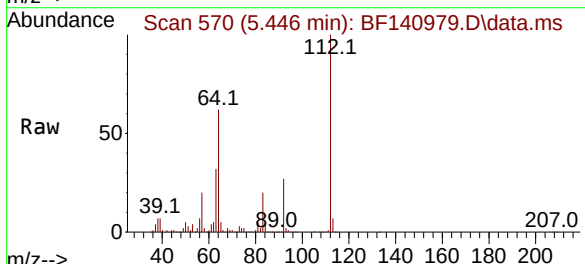
Instrument :  
BNA\_F  
ClientSampleId :  
PB165543BL

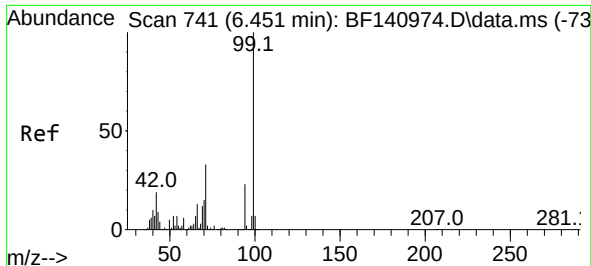
Tgt Ion:152 Resp: 273720  
Ion Ratio Lower Upper  
152 100  
150 155.5 127.0 190.6  
115 63.1 51.7 77.5



#5  
2-Fluorophenol  
Concen: 127.358 ng  
RT: 5.446 min Scan# 570  
Delta R.T. 0.012 min  
Lab File: BF140979.D  
Acq: 26 Dec 2024 20:18

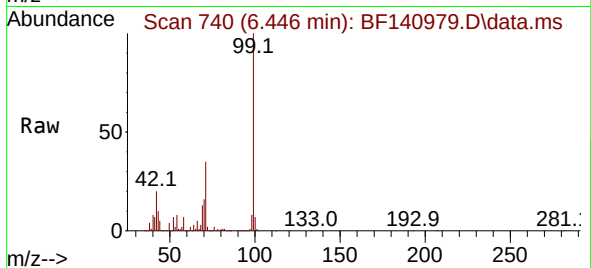
Tgt Ion:112 Resp: 2312647  
Ion Ratio Lower Upper  
112 100  
64 62.1 47.7 71.5  
63 31.9 24.2 36.2





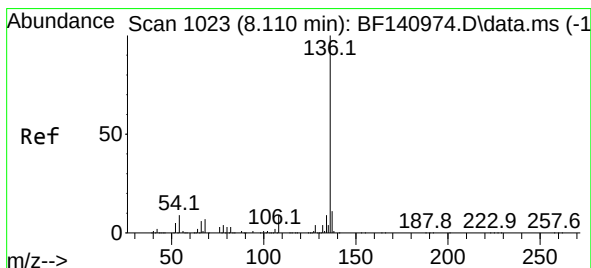
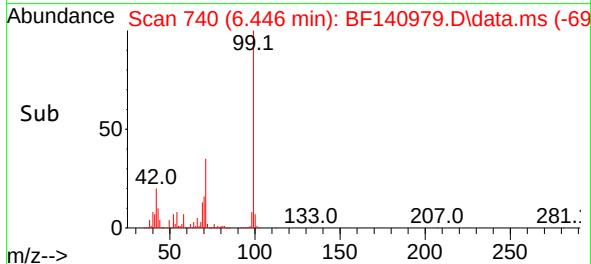
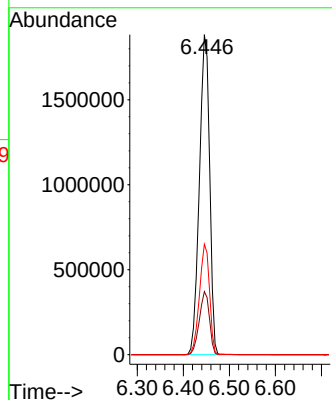
#7  
Phenol-d6  
Concen: 124.478 ng  
RT: 6.446 min Scan# 741  
Delta R.T. -0.006 min  
Lab File: BF140979.D  
Acq: 26 Dec 2024 20:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB165543BL



Tgt Ion: 99 Resp: 2911816

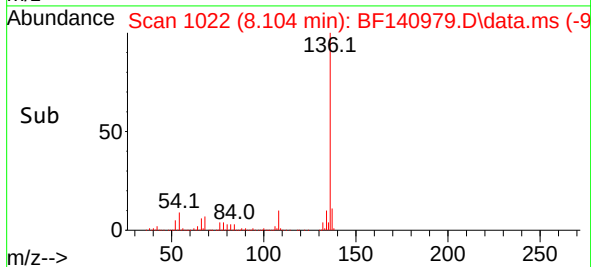
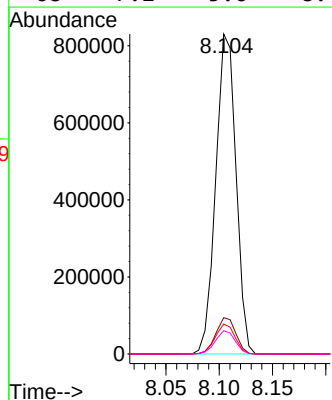
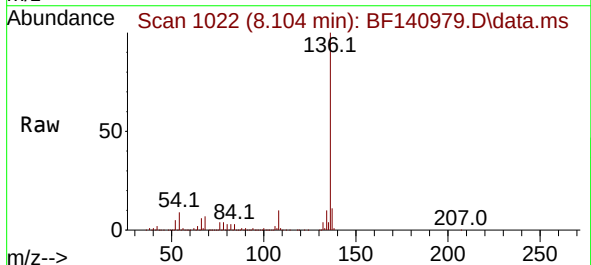
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.7  | 15.0  | 22.4  |
| 71  | 34.6  | 26.2  | 39.2  |

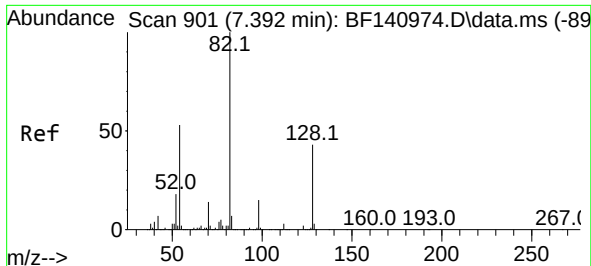


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.104 min Scan# 1022  
Delta R.T. -0.006 min  
Lab File: BF140979.D  
Acq: 26 Dec 2024 20:18

Tgt Ion:136 Resp: 1094098

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.4  | 9.0   | 13.4  |
| 54  | 9.3   | 7.6   | 11.4  |
| 68  | 7.2   | 5.6   | 8.4   |





#23

Nitrobenzene-d5

Concen: 105.775 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF140979.D

Acq: 26 Dec 2024 20:18

Instrument :

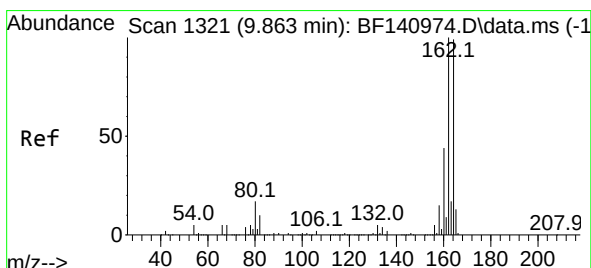
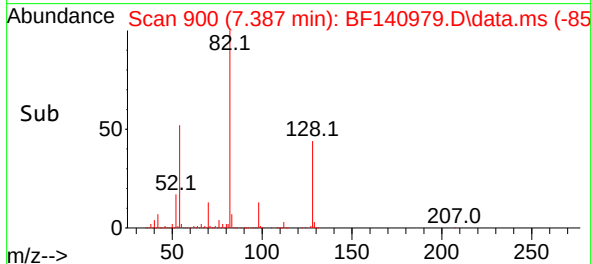
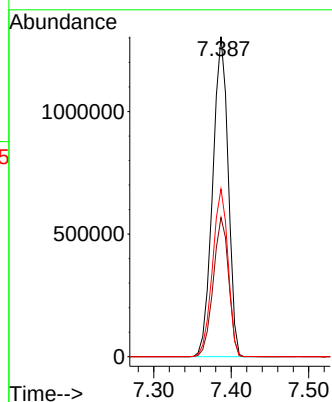
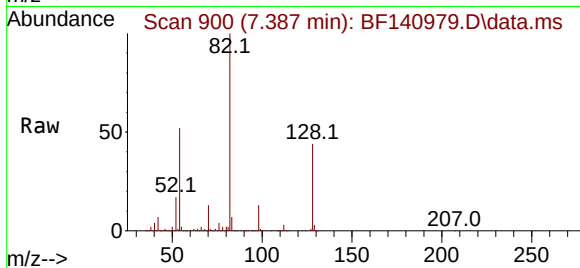
BNA\_F

ClientSampleId :

PB165543BL

Tgt Ion: 82 Resp: 1808874

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 43.5  | 34.4  | 51.6  |
| 54  | 52.4  | 42.4  | 63.6  |



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1320

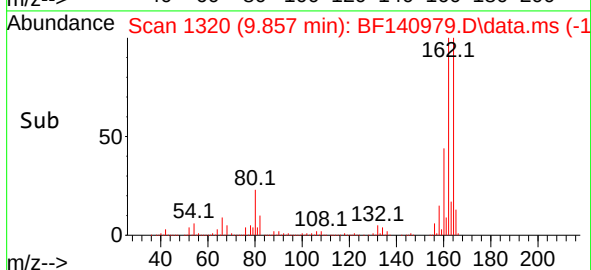
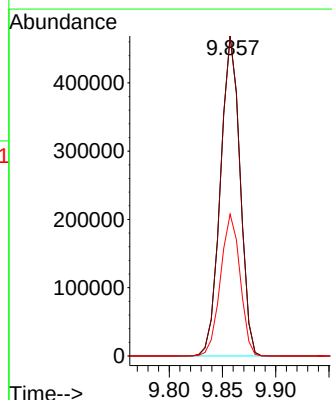
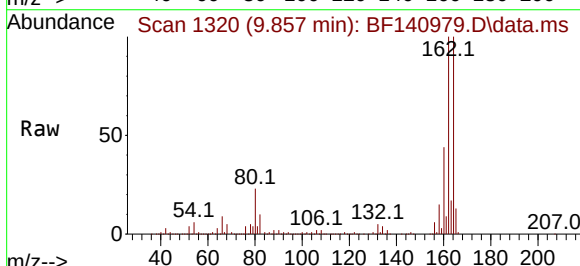
Delta R.T. -0.006 min

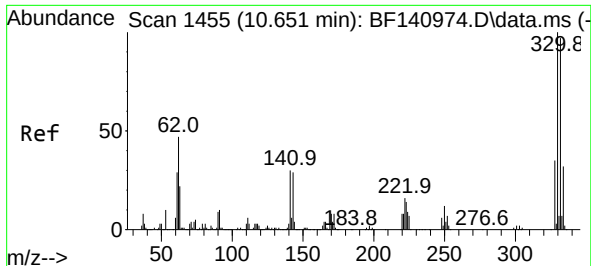
Lab File: BF140979.D

Acq: 26 Dec 2024 20:18

Tgt Ion: 164 Resp: 596526

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 99.9  | 80.6  | 120.8 |
| 160 | 44.3  | 35.7  | 53.5  |





#42

2,4,6-Tribromophenol

Concen: 141.813 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF140979.D

Acq: 26 Dec 2024 20:18

Instrument :

BNA\_F

ClientSampleId :

PB165543BL

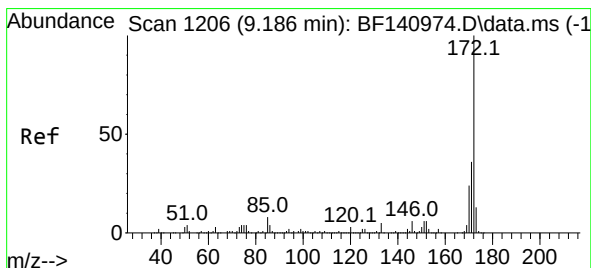
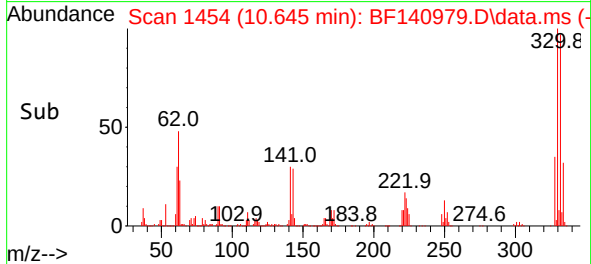
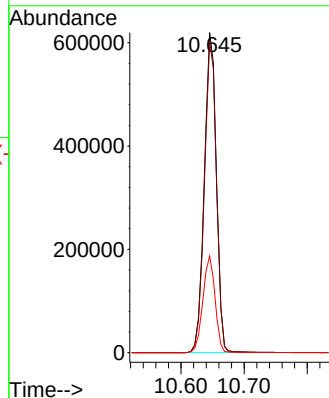
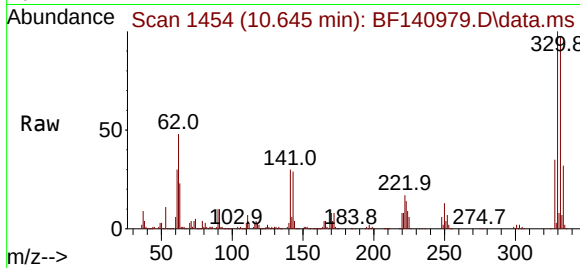
Tgt Ion:330 Resp: 822016

Ion Ratio Lower Upper

330 100

332 97.2 78.0 117.0

141 30.4 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 85.826 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF140979.D

Acq: 26 Dec 2024 20:18

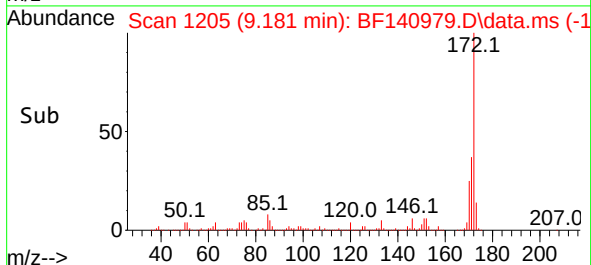
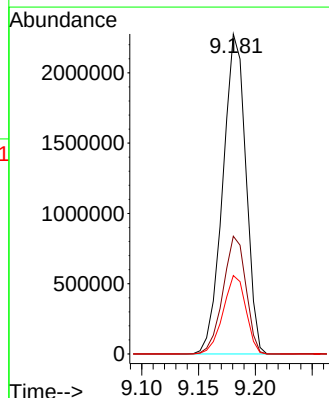
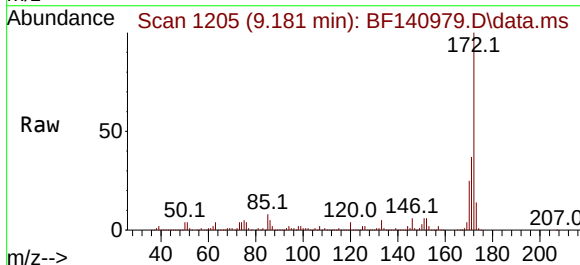
Tgt Ion:172 Resp: 3213407

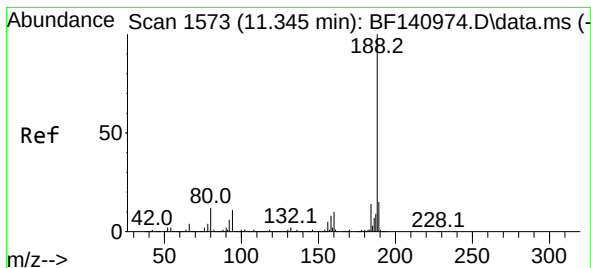
Ion Ratio Lower Upper

172 100

171 36.8 29.0 43.4

170 24.5 19.6 29.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140979.D

Acq: 26 Dec 2024 20:18

Instrument :

BNA\_F

ClientSampleId :

PB165543BL

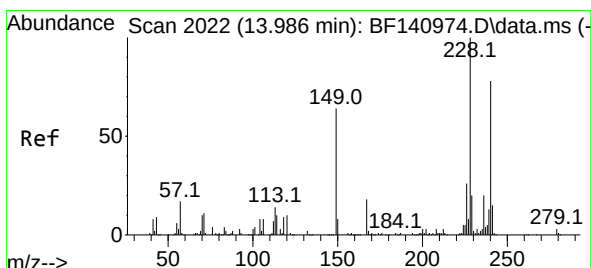
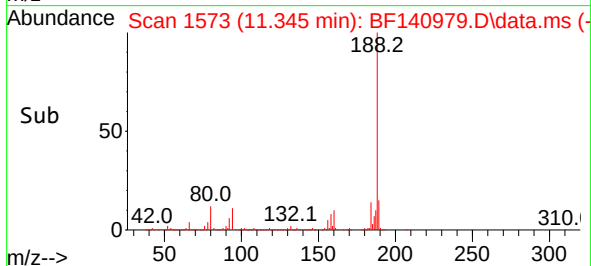
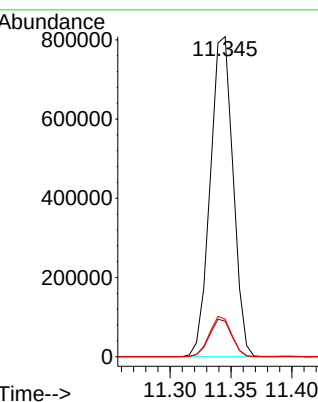
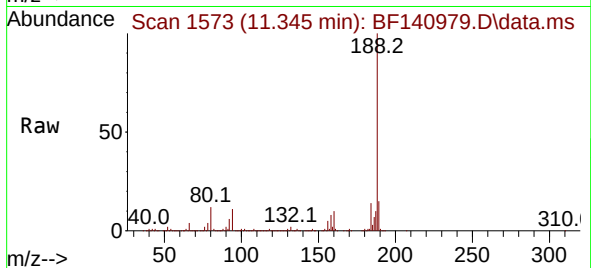
Tgt Ion:188 Resp: 1055382

Ion Ratio Lower Upper

188 100

94 11.1 9.0 13.6

80 11.8 9.8 14.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF140979.D

Acq: 26 Dec 2024 20:18

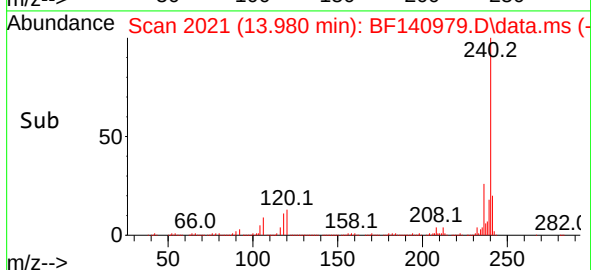
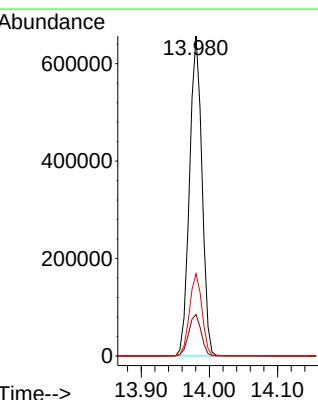
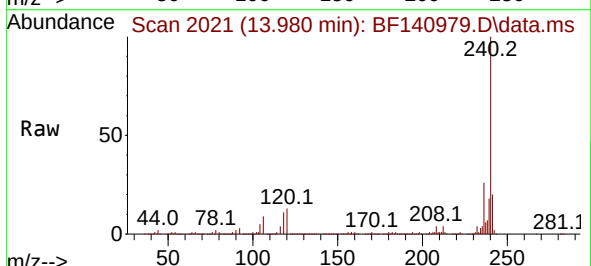
Tgt Ion:240 Resp: 834237

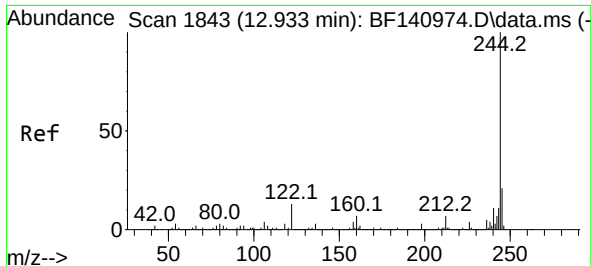
Ion Ratio Lower Upper

240 100

120 13.0 10.7 16.1

236 25.7 20.6 31.0

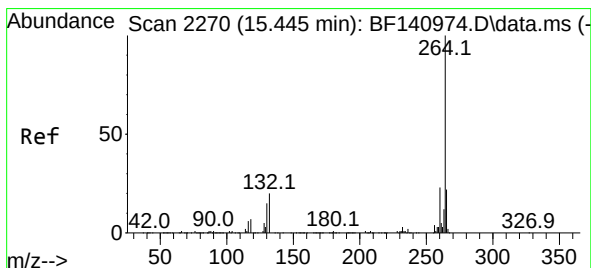
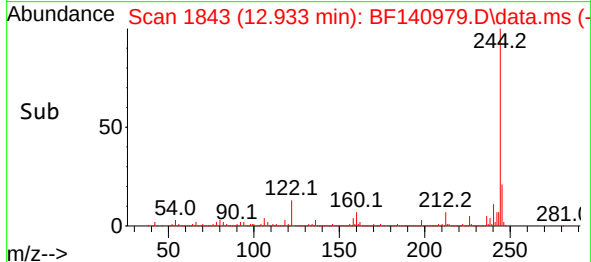
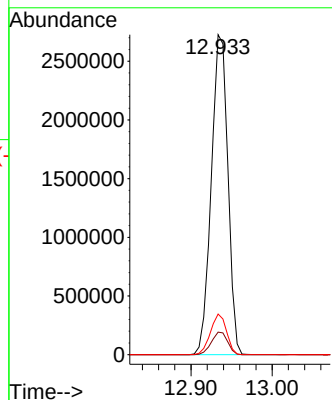
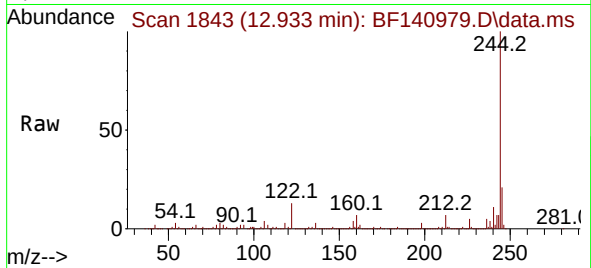




#79  
 Terphenyl-d14  
 Concen: 76.878 ng  
 RT: 12.933 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF140979.D  
 Acq: 26 Dec 2024 20:18

Instrument :  
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 PB165543BL

Tgt Ion:244 Resp: 3861216  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.7 8.5  
 122 12.7 10.2 15.2



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.439 min Scan# 2269  
 Delta R.T. -0.006 min  
 Lab File: BF140979.D  
 Acq: 26 Dec 2024 20:18

Tgt Ion:264 Resp: 751958  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 18.7 28.1  
 265 21.9 17.4 26.2

