

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051823\  
 Data File : BF133437.D  
 Acq On : 18 May 2023 12:59  
 Operator : CG\JU  
 Sample : 02812-09  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WG-0516-BD

Quant Time: May 18 18:41:43 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 18 18:12:00 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.710  | 152  | 185282   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.998  | 136  | 746811   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.745  | 164  | 306712   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.233 | 188  | 553995   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12            | 13.868 | 240  | 398207   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12            | 15.292 | 264  | 432477   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.328  | 112  | 1297853  | 105.814 | ng    | 0.00     |
| 7) Phenol-d6                | 6.363  | 99   | 1597693  | 104.946 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.275  | 82   | 911039   | 65.847  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.539 | 330  | 348424   | 112.957 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.075  | 172  | 1308987  | 71.400  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.821 | 244  | 1420720  | 61.533  | ng    | 0.00     |

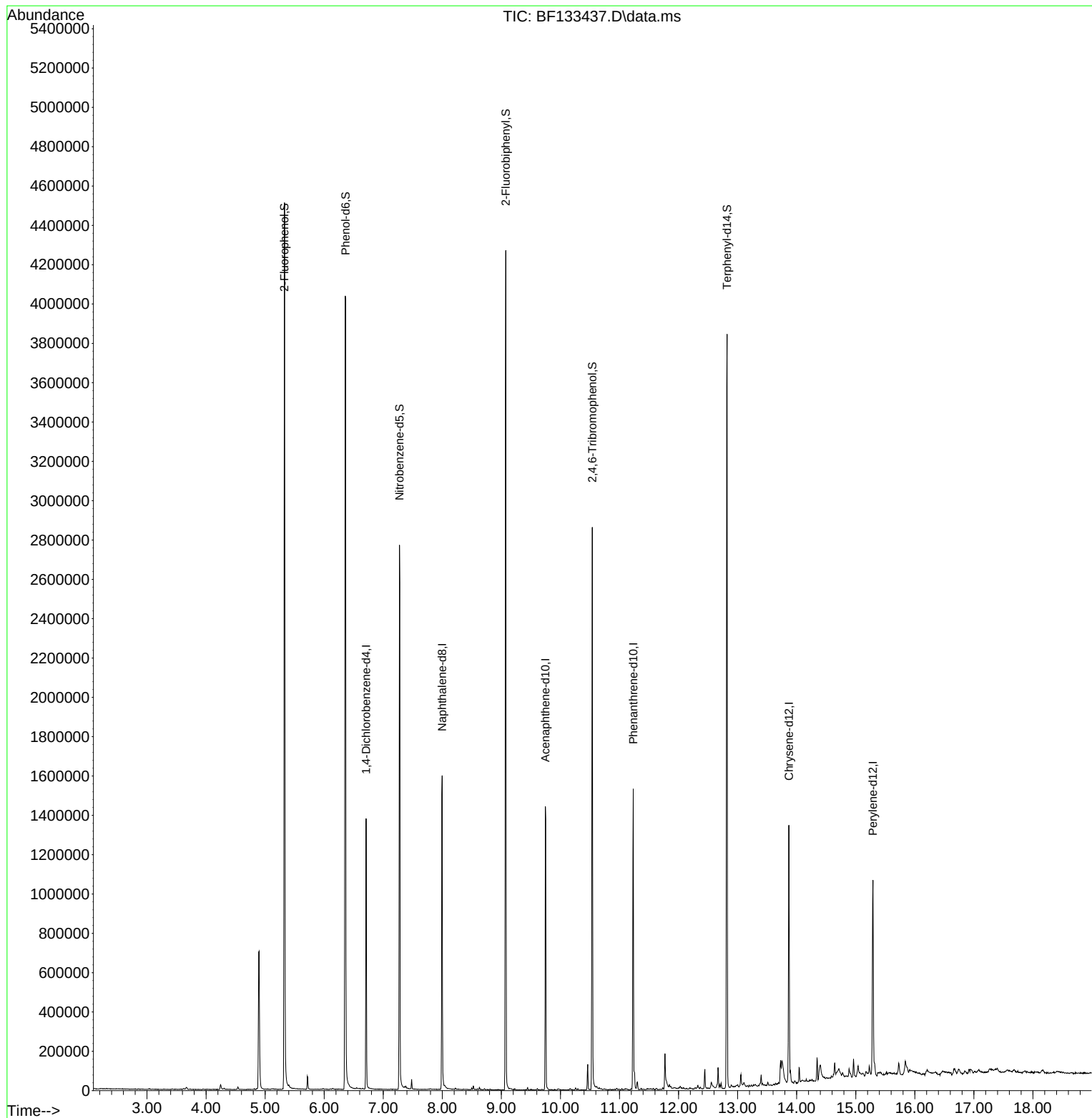
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

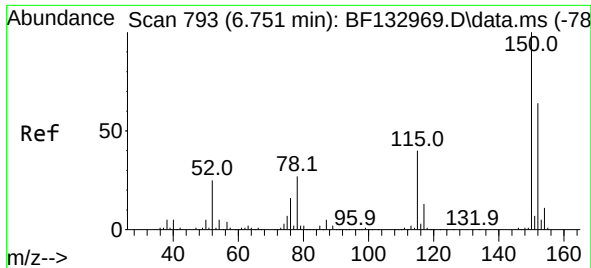
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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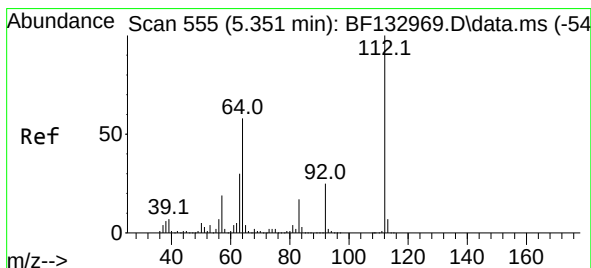
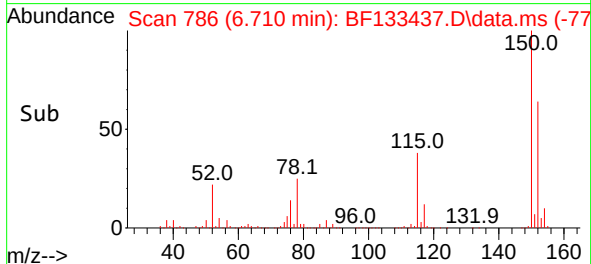
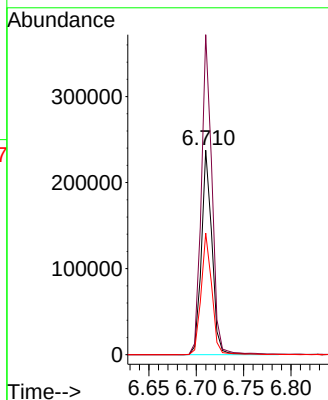
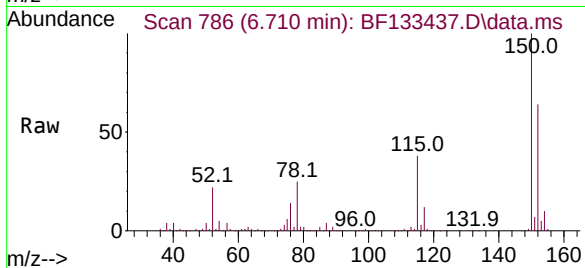




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.710 min Scan# 793  
 Delta R.T. -0.006 min  
 Lab File: BF133437.D  
 Acq: 18 May 2023 12:59

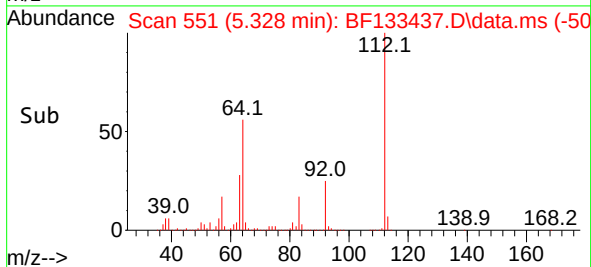
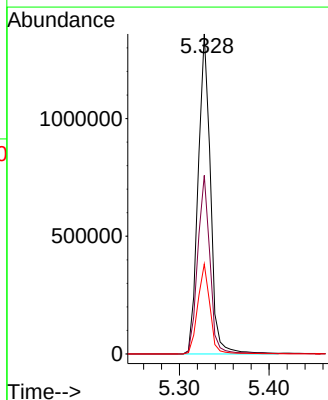
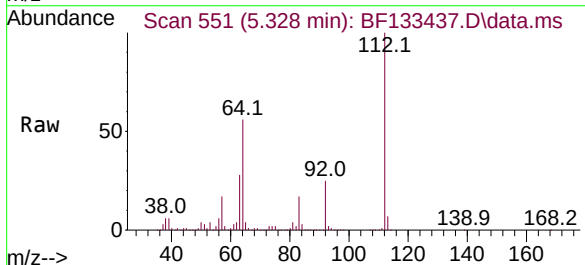
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WG-0516-BD

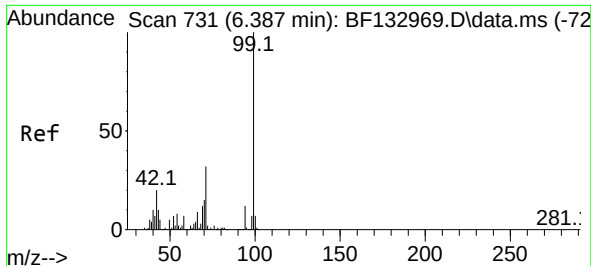
Tgt Ion:152 Resp: 185282  
 Ion Ratio Lower Upper  
 152 100  
 150 156.5 124.8 187.2  
 115 59.5 49.9 74.9



#5  
 2-Fluorophenol  
 Concen: 105.814 ng  
 RT: 5.328 min Scan# 551  
 Delta R.T. -0.000 min  
 Lab File: BF133437.D  
 Acq: 18 May 2023 12:59

Tgt Ion:112 Resp: 1297853  
 Ion Ratio Lower Upper  
 112 100  
 64 55.8 46.8 70.2  
 63 28.1 23.8 35.8

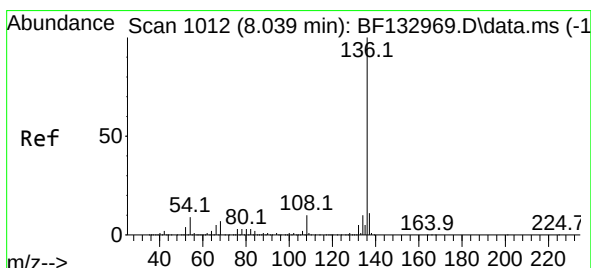
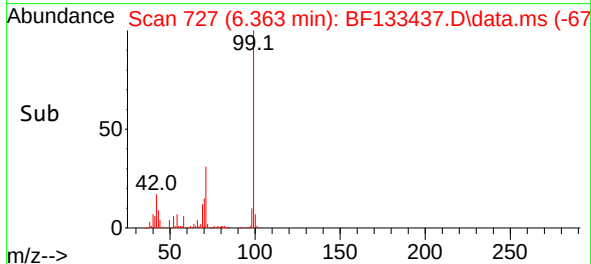
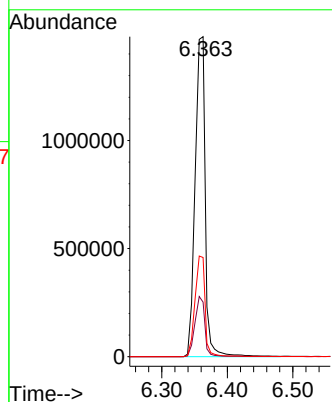
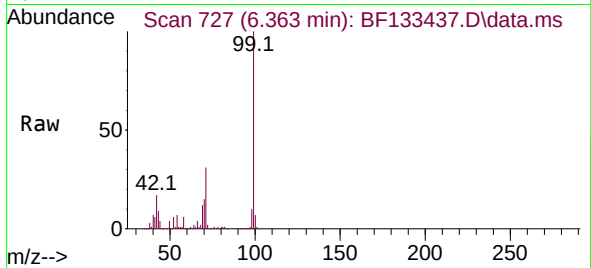




#7  
Phenol-d6  
Concen: 104.946 ng  
RT: 6.363 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF133437.D  
Acq: 18 May 2023 12:59

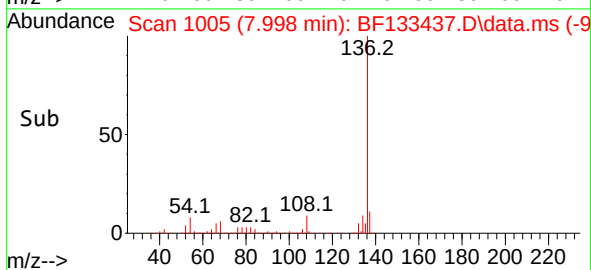
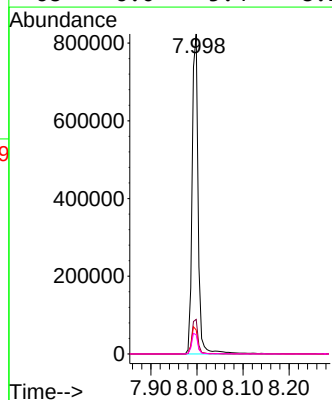
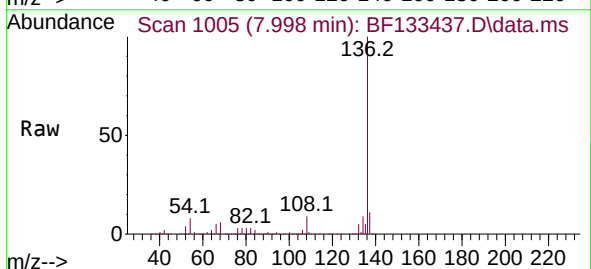
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-BD

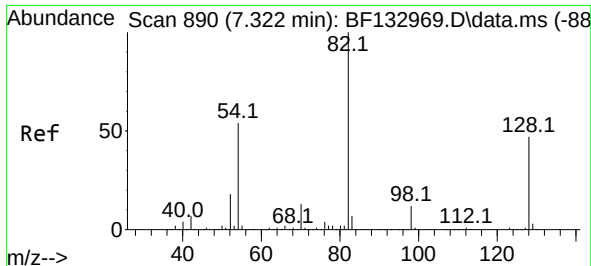
Tgt Ion: 99 Resp: 1597693  
Ion Ratio Lower Upper  
99 100  
42 17.1 16.3 24.5  
71 31.0 25.6 38.4



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.998 min Scan# 1005  
Delta R.T. -0.006 min  
Lab File: BF133437.D  
Acq: 18 May 2023 12:59

Tgt Ion: 136 Resp: 746811  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 13.0  
54 7.5 7.0 10.4  
68 6.0 5.4 8.2





#23

Nitrobenzene-d5

Concen: 65.847 ng

RT: 7.275 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF133437.D

Acq: 18 May 2023 12:59

Instrument :

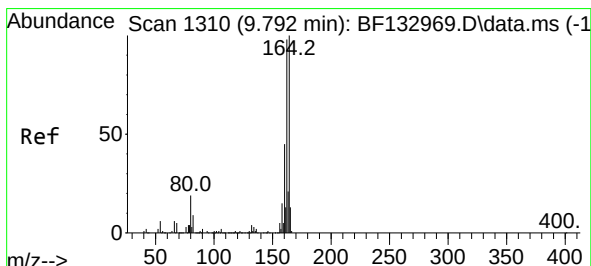
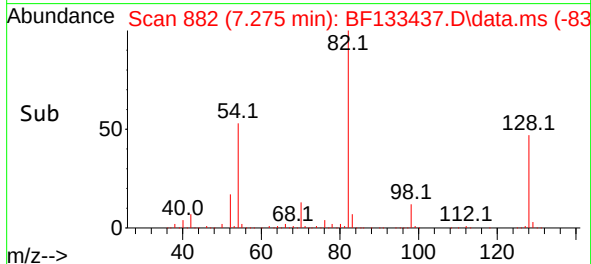
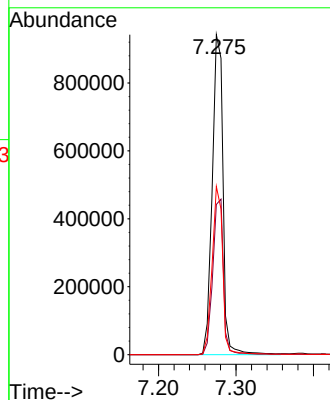
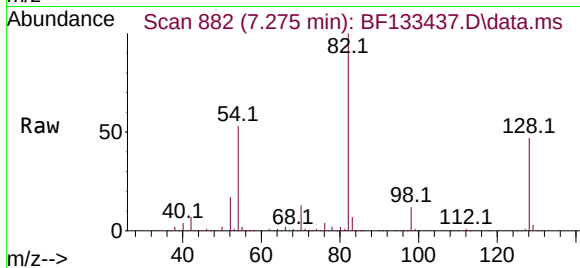
BNA\_F

ClientSampleId :

WG-0516-BD

Tgt Ion: 82 Resp: 911039

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 46.9  | 37.7  | 56.5  |
| 54  | 52.6  | 43.0  | 64.4  |



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.745 min Scan# 1302

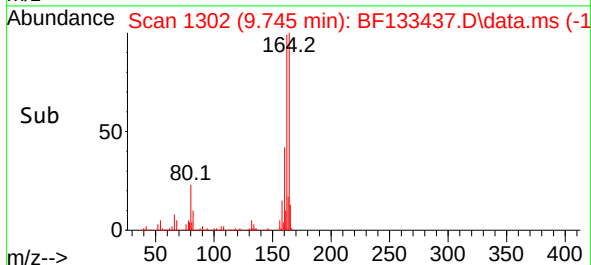
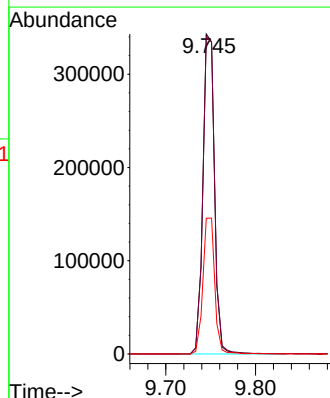
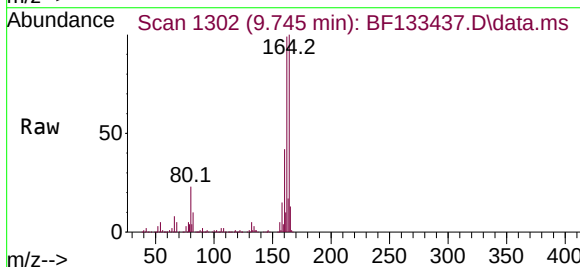
Delta R.T. -0.012 min

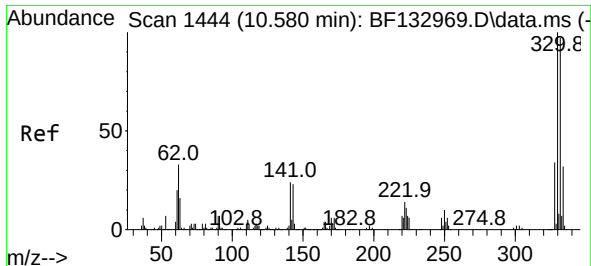
Lab File: BF133437.D

Acq: 18 May 2023 12:59

Tgt Ion: 164 Resp: 306712

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 99.3  | 78.7  | 118.1 |
| 160 | 42.4  | 35.8  | 53.6  |





#42

2,4,6-Tribromophenol

Concen: 112.957 ng

RT: 10.539 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF133437.D

Acq: 18 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

WG-0516-BD

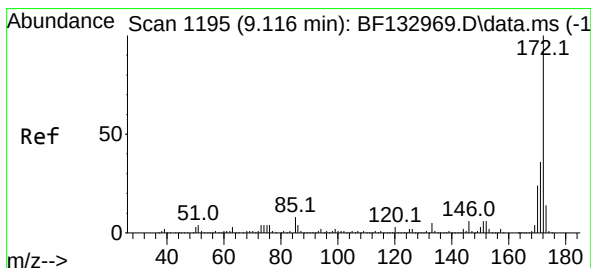
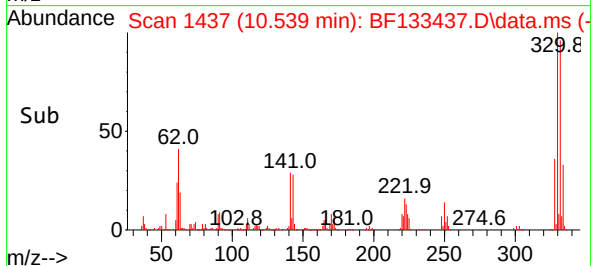
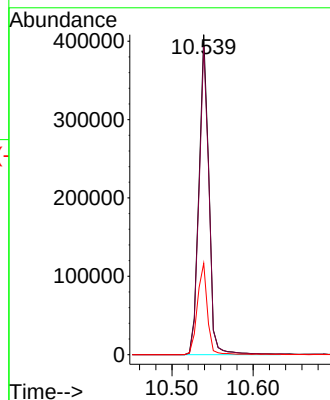
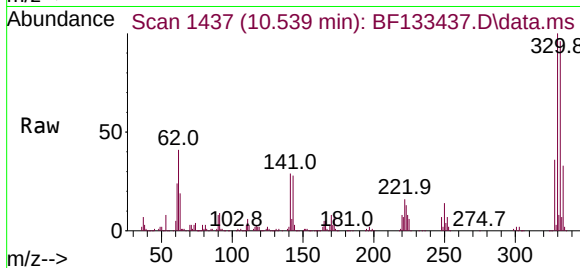
Tgt Ion:330 Resp: 348424

Ion Ratio Lower Upper

330 100

332 96.4 77.1 115.7

141 28.8 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 71.400 ng

RT: 9.075 min Scan# 1188

Delta R.T. -0.006 min

Lab File: BF133437.D

Acq: 18 May 2023 12:59

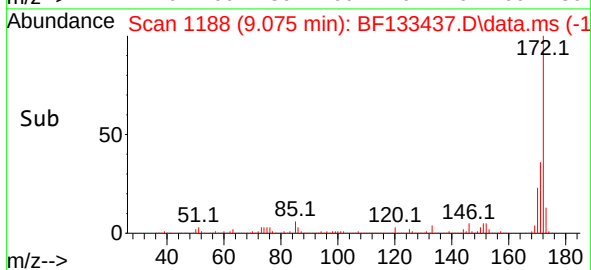
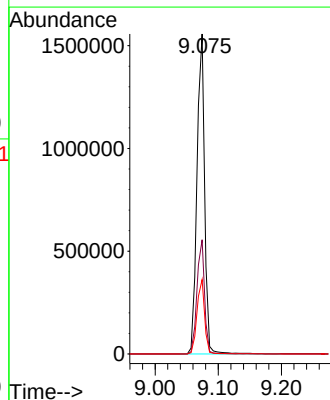
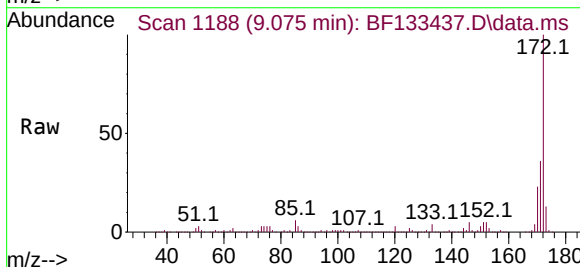
Tgt Ion:172 Resp: 1308987

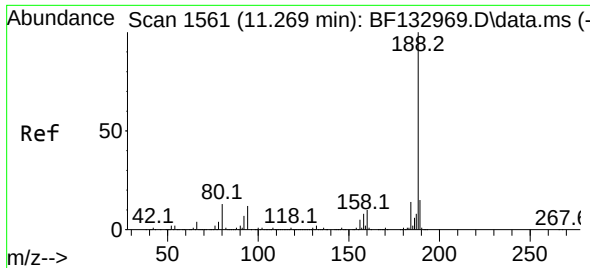
Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 23.3 19.4 29.2

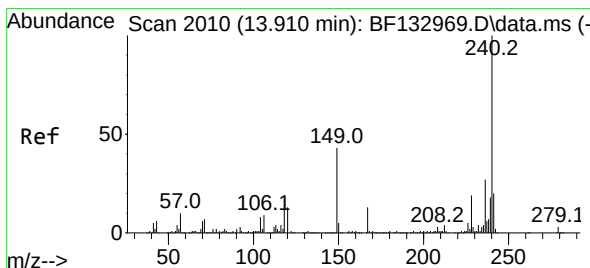
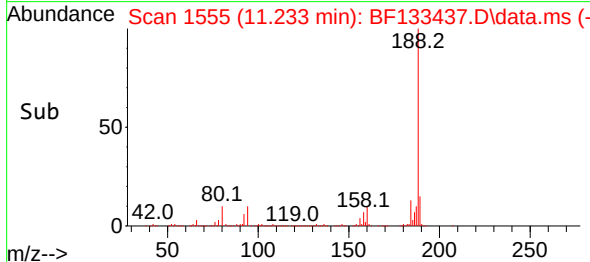
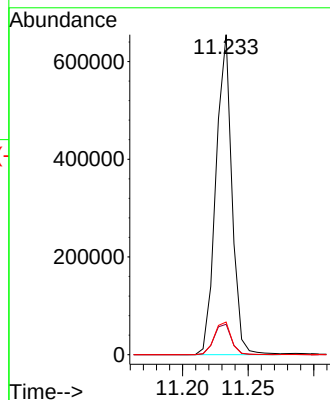
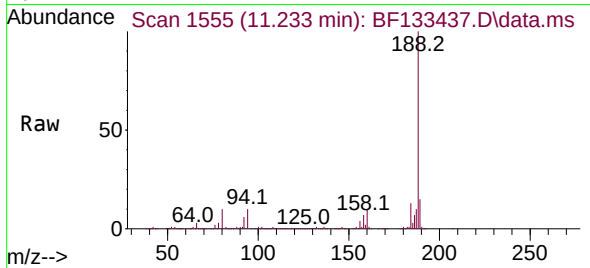




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.233 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF133437.D  
Acq: 18 May 2023 12:59

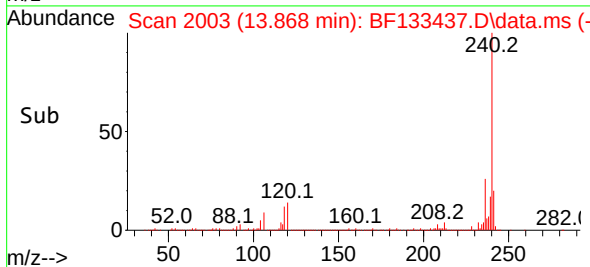
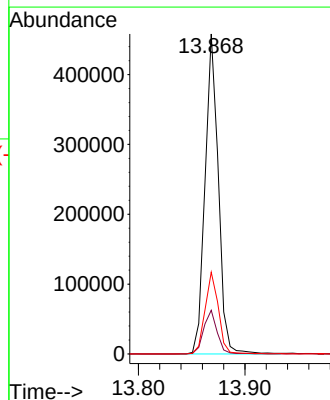
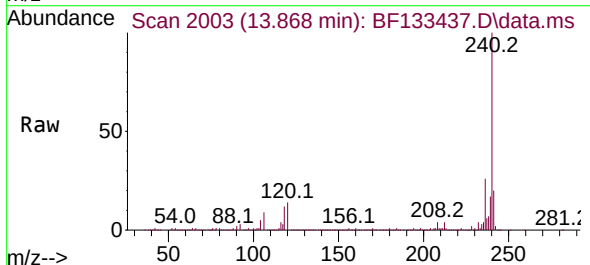
Instrument :  
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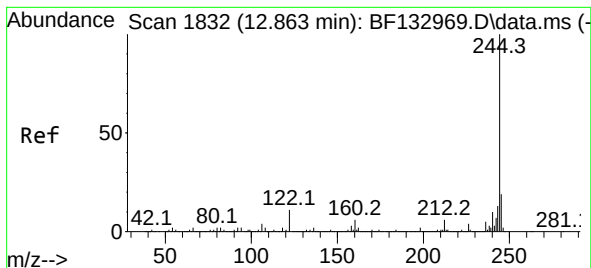
Tgt Ion:188 Resp: 553995  
Ion Ratio Lower Upper  
188 100  
94 9.5 9.7 14.5#  
80 10.2 10.4 15.6#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.868 min Scan# 2003  
Delta R.T. -0.012 min  
Lab File: BF133437.D  
Acq: 18 May 2023 12:59

Tgt Ion:240 Resp: 398207  
Ion Ratio Lower Upper  
240 100  
120 13.7 10.5 15.7  
236 25.6 21.5 32.3





#79

Terphenyl-d14

Concen: 61.533 ng

RT: 12.821 min Scan# 1825

Delta R.T. -0.006 min

Lab File: BF133437.D

Acq: 18 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

WG-0516-BD

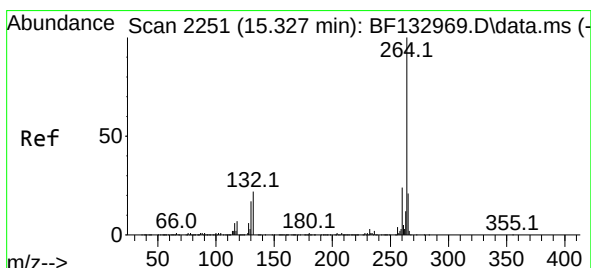
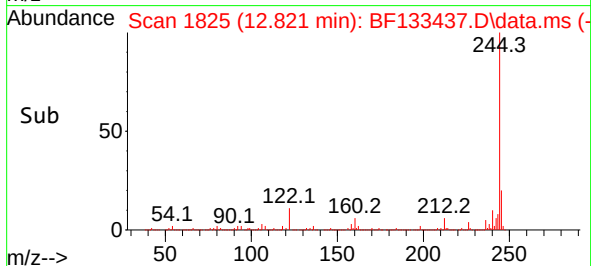
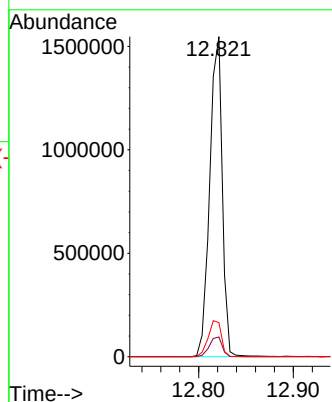
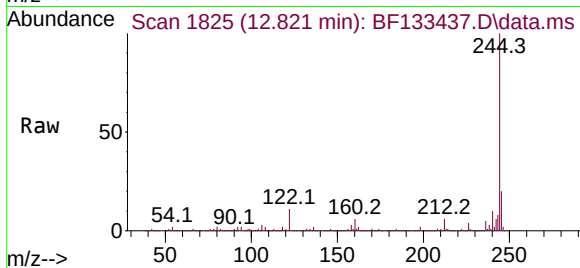
Tgt Ion:244 Resp: 1420720

Ion Ratio Lower Upper

244 100

212 6.2 5.1 7.7

122 10.6 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 2245

Delta R.T. -0.006 min

Lab File: BF133437.D

Acq: 18 May 2023 12:59

Tgt Ion:264 Resp: 432477

Ion Ratio Lower Upper

264 100

260 23.9 18.8 28.2

265 21.0 17.0 25.4

