

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF053123\  
 Data File : BF133548.D  
 Acq On : 31 May 2023 19:58  
 Operator : CG\JU  
 Sample : 02979-02  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RBR044-VNJ224

Quant Time: Jun 01 02:04:22 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 30 12:58:40 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.828  | 152  | 128641   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.110  | 136  | 495485   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.869  | 164  | 240973   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.351 | 188  | 491728   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12            | 13.992 | 240  | 377710   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12            | 15.451 | 264  | 294494   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.451  | 112  | 873611   | 113.307 | ng    | 0.01     |
| 7) Phenol-d6                | 6.457  | 99   | 973421   | 102.560 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.392  | 82   | 740647   | 99.805  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.657 | 330  | 348539   | 145.100 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.192  | 172  | 1325105  | 84.873  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.945 | 244  | 1688991  | 79.505  | ng    | 0.00     |

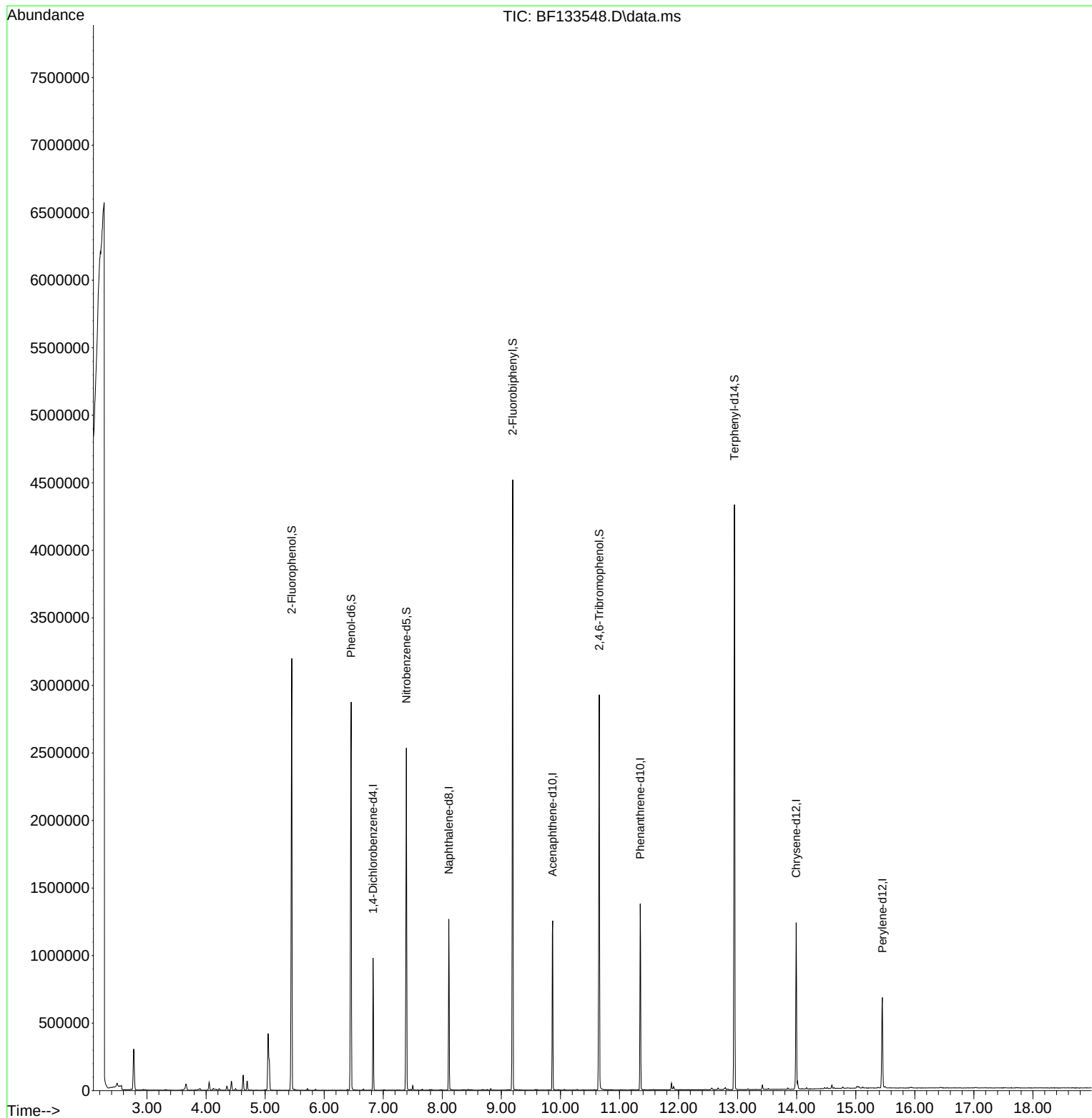
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

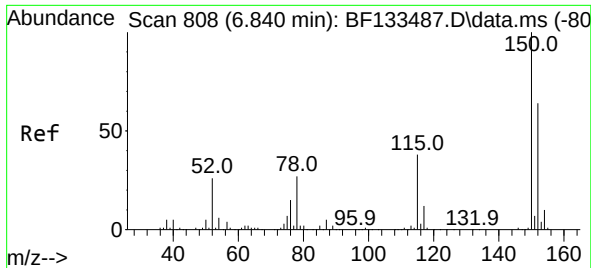
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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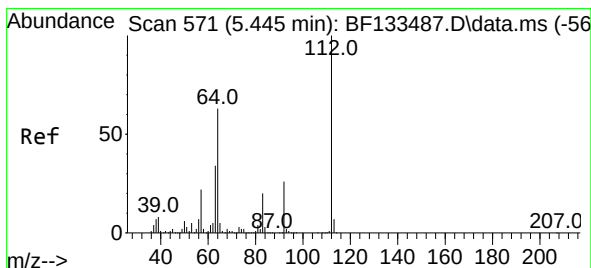
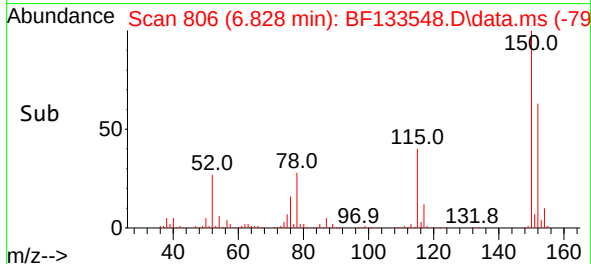
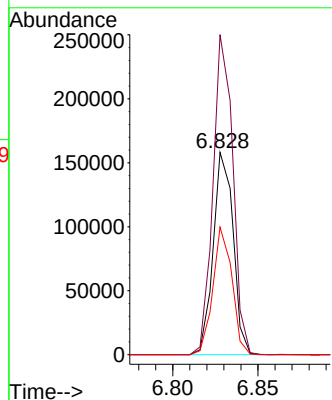
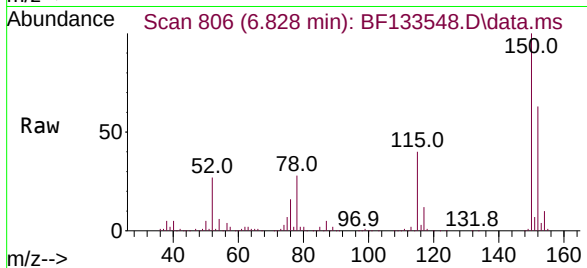




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.828 min Scan# 808  
Delta R.T. -0.006 min  
Lab File: BF133548.D  
Acq: 31 May 2023 19:58

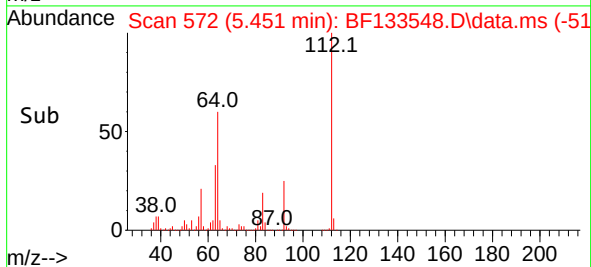
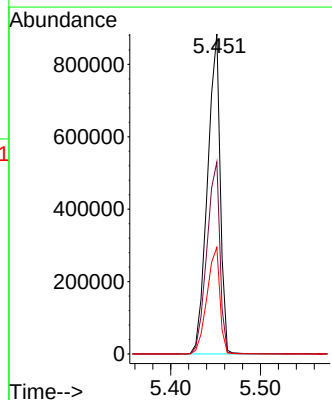
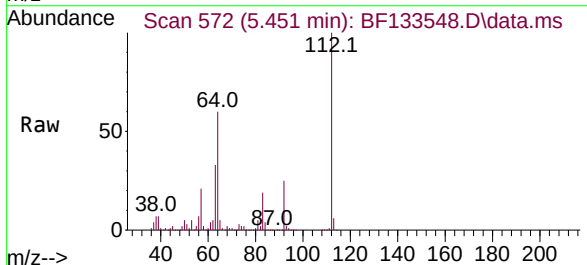
Instrument :  
BNA\_F  
ClientSampleId :  
RBR044-VNJ224

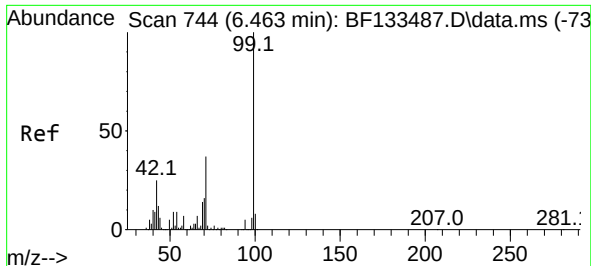
Tgt Ion:152 Resp: 128641  
Ion Ratio Lower Upper  
152 100  
150 158.3 124.9 187.3  
115 63.1 48.1 72.1



#5  
2-Fluorophenol  
Concen: 113.307 ng  
RT: 5.451 min Scan# 572  
Delta R.T. 0.012 min  
Lab File: BF133548.D  
Acq: 31 May 2023 19:58

Tgt Ion:112 Resp: 873611  
Ion Ratio Lower Upper  
112 100  
64 60.0 50.1 75.1  
63 33.3 27.5 41.3

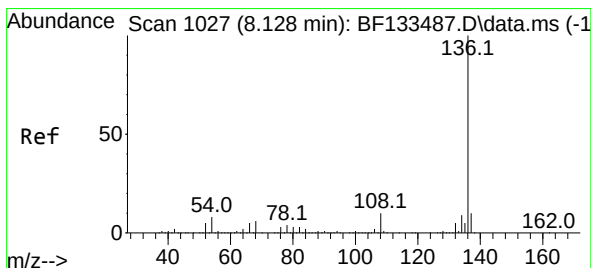
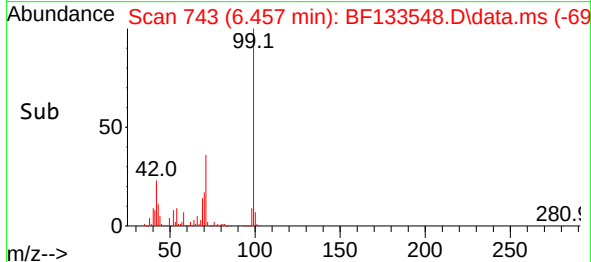
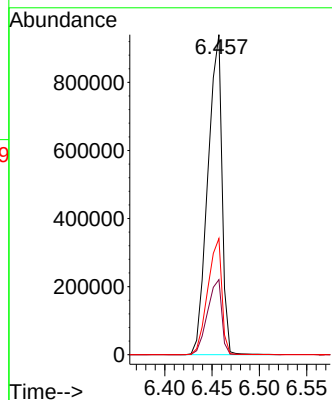
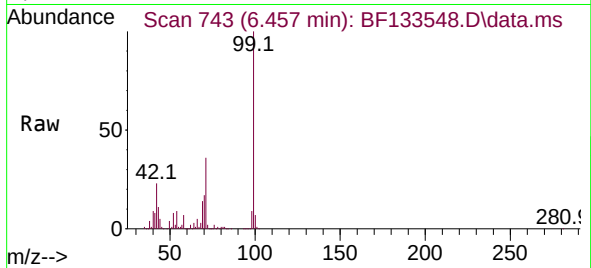




#7  
Phenol-d6  
Concen: 102.560 ng  
RT: 6.457 min Scan# 744  
Delta R.T. -0.006 min  
Lab File: BF133548.D  
Acq: 31 May 2023 19:58

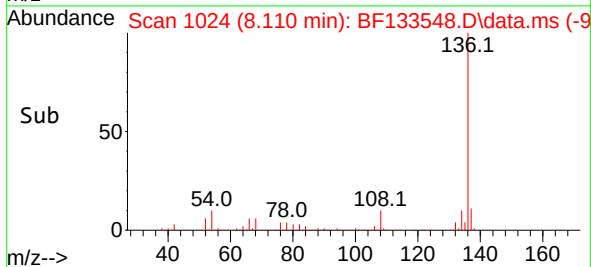
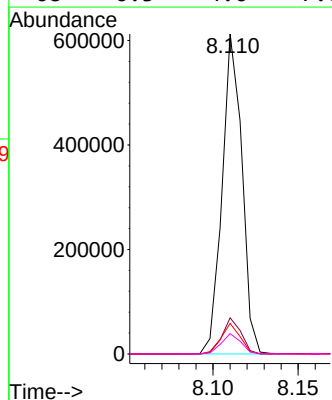
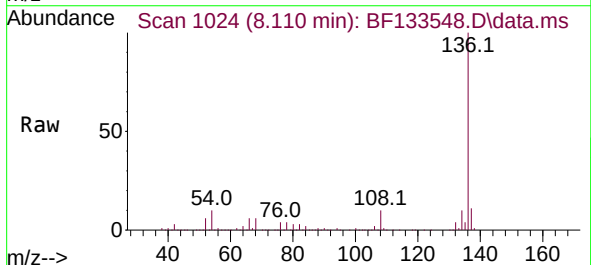
Instrument :  
BNA\_F  
ClientSampleId :  
RBR044-VNJ224

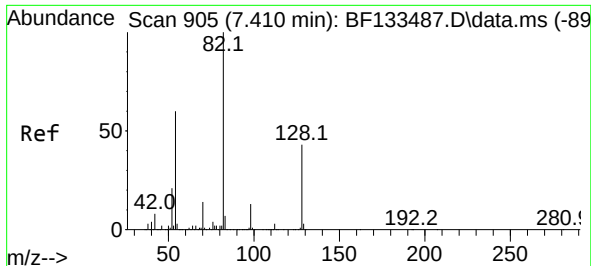
Tgt Ion: 99 Resp: 973421  
Ion Ratio Lower Upper  
99 100  
42 23.5 19.7 29.5  
71 36.3 29.8 44.8



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.110 min Scan# 1024  
Delta R.T. -0.006 min  
Lab File: BF133548.D  
Acq: 31 May 2023 19:58

Tgt Ion: 136 Resp: 495485  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.2 12.4  
54 9.6 6.6 10.0  
68 6.3 4.6 7.0





#23

Nitrobenzene-d5

Concen: 99.805 ng

RT: 7.392 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF133548.D

Acq: 31 May 2023 19:58

Instrument :

BNA\_F

ClientSampleId :

RBR044-VNJ224

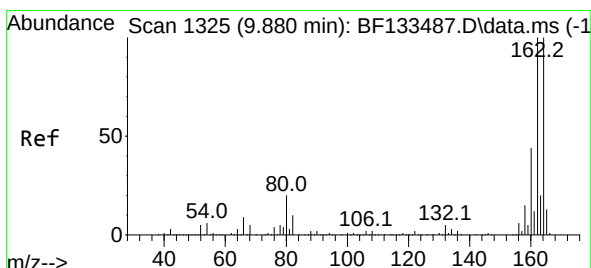
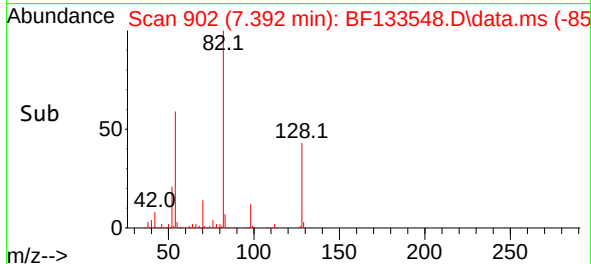
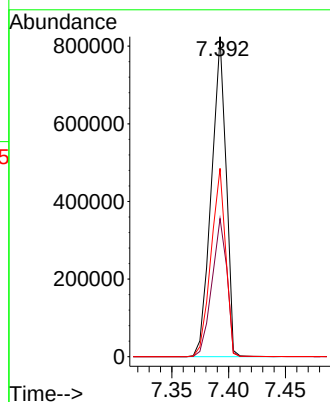
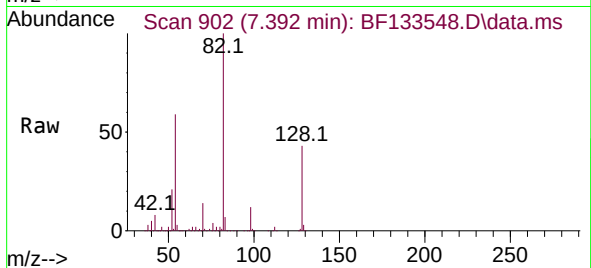
Tgt Ion: 82 Resp: 740647

Ion Ratio Lower Upper

82 100

128 43.2 34.2 51.4

54 58.8 48.2 72.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1323

Delta R.T. -0.006 min

Lab File: BF133548.D

Acq: 31 May 2023 19:58

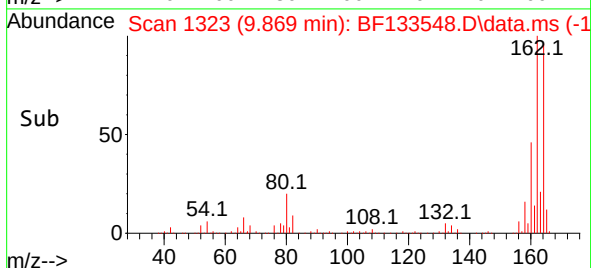
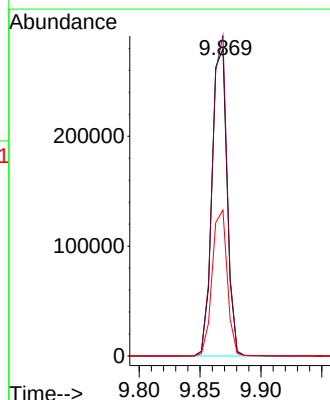
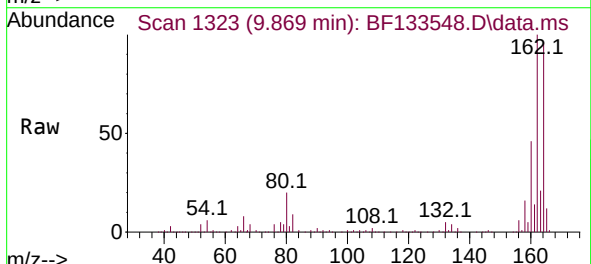
Tgt Ion:164 Resp: 240973

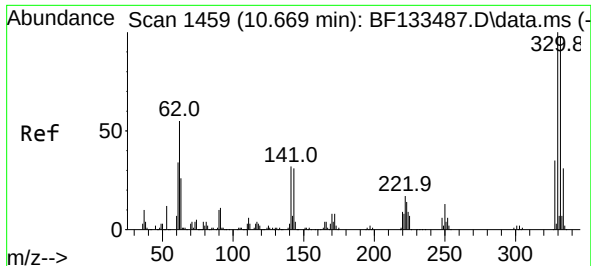
Ion Ratio Lower Upper

164 100

162 104.2 79.7 119.5

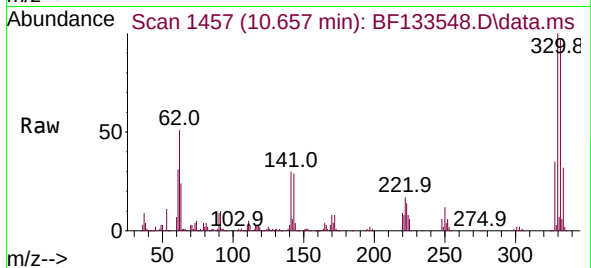
160 47.5 35.4 53.0



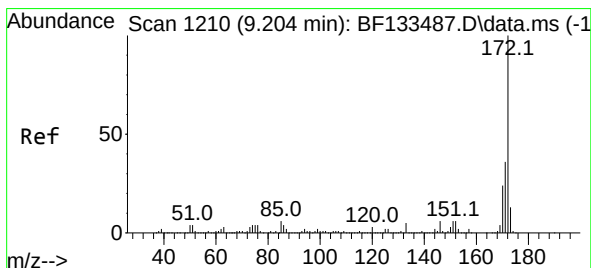
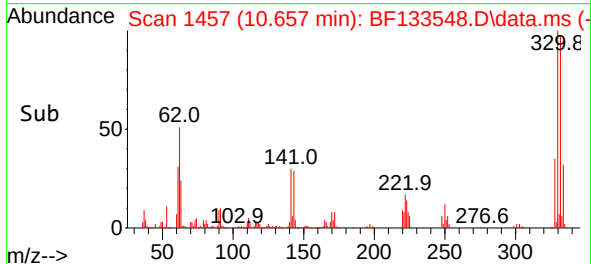
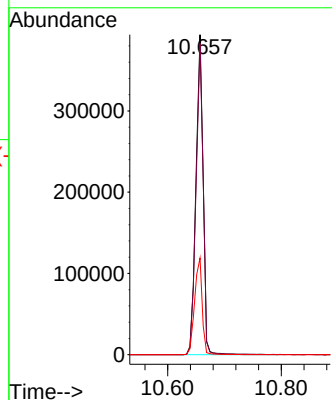


#42  
2,4,6-Tribromophenol  
Concen: 145.100 ng  
RT: 10.657 min Scan# 1457  
Delta R.T. -0.006 min  
Lab File: BF133548.D  
Acq: 31 May 2023 19:58

Instrument :  
BNA\_F  
ClientSampleId :  
RBR044-VNJ224

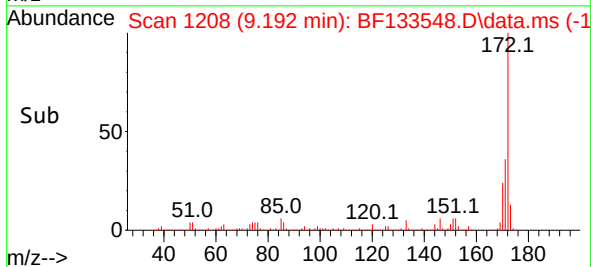
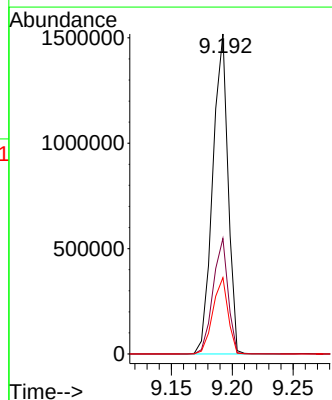
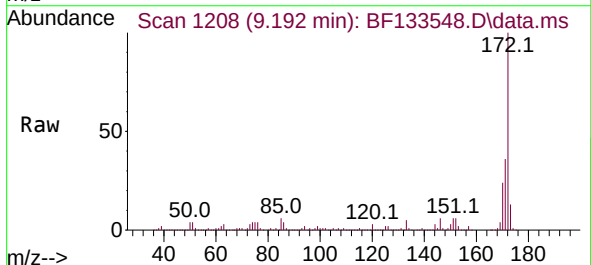


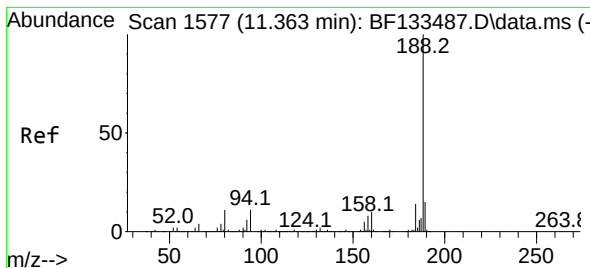
Tgt Ion:330 Resp: 348539  
Ion Ratio Lower Upper  
330 100  
332 96.5 77.8 116.6  
141 31.8 26.6 40.0



#45  
2-Fluorobiphenyl  
Concen: 84.873 ng  
RT: 9.192 min Scan# 1208  
Delta R.T. -0.006 min  
Lab File: BF133548.D  
Acq: 31 May 2023 19:58

Tgt Ion:172 Resp: 1325105  
Ion Ratio Lower Upper  
172 100  
171 36.1 28.4 42.6  
170 23.8 19.3 28.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133548.D

Acq: 31 May 2023 19:58

Instrument :

BNA\_F

ClientSampleId :

RBR044-VNJ224

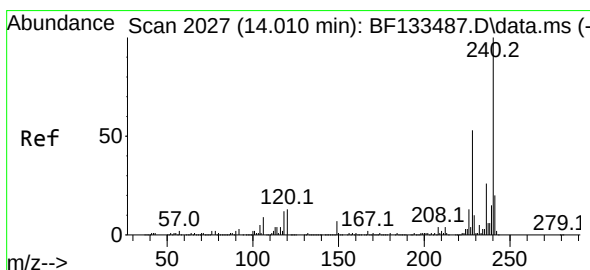
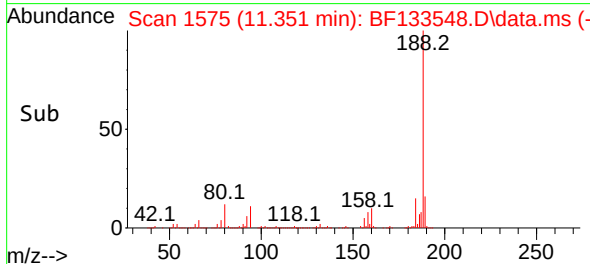
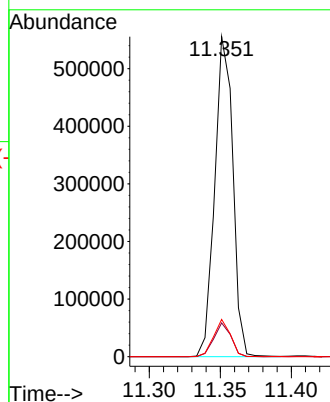
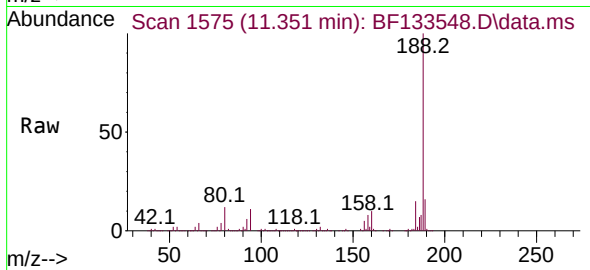
Tgt Ion:188 Resp: 491728

Ion Ratio Lower Upper

188 100

94 10.5 8.6 12.8

80 11.7 9.2 13.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.012 min

Lab File: BF133548.D

Acq: 31 May 2023 19:58

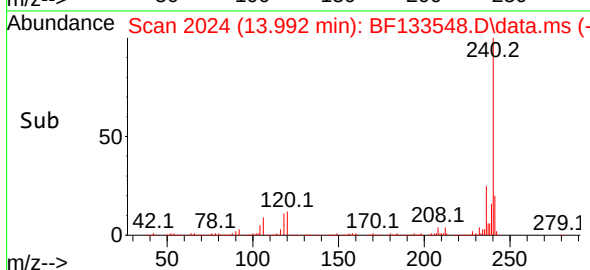
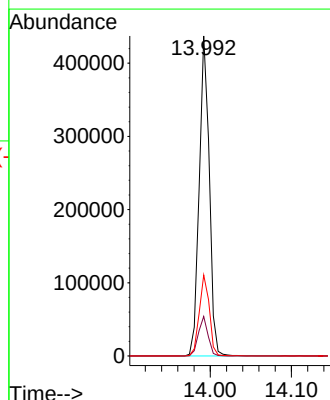
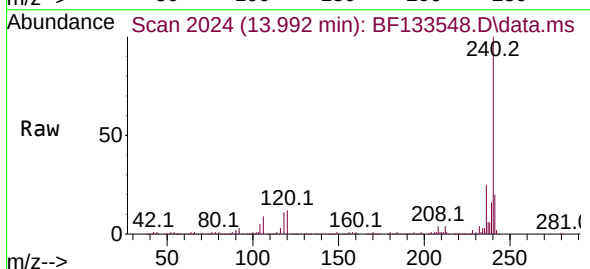
Tgt Ion:240 Resp: 377710

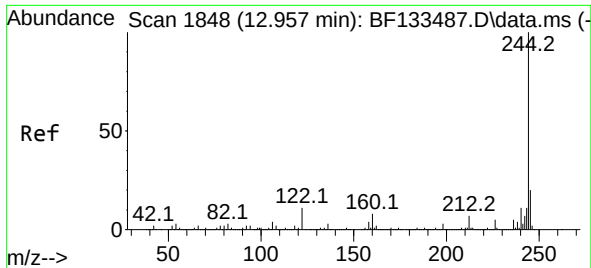
Ion Ratio Lower Upper

240 100

120 12.3 10.3 15.5

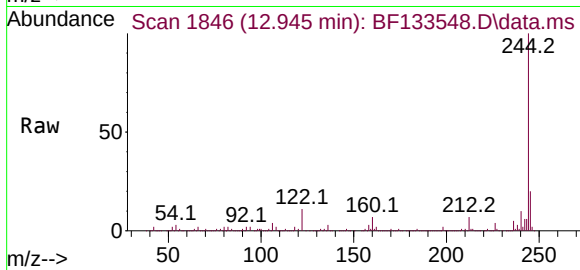
236 25.3 20.5 30.7





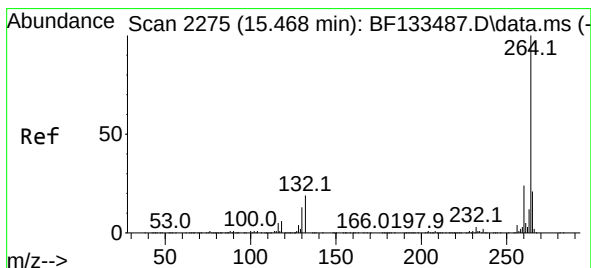
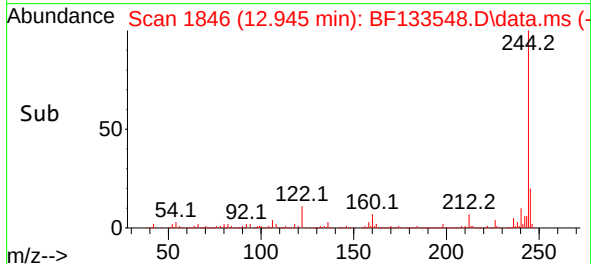
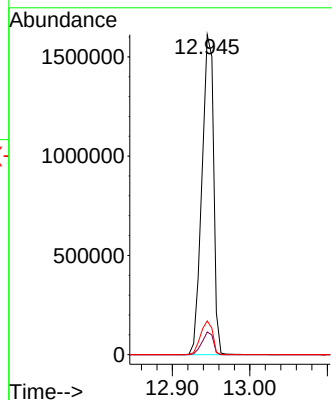
#79  
 Terphenyl-d14  
 Concen: 79.505 ng  
 RT: 12.945 min Scan# 1846  
 Delta R.T. -0.006 min  
 Lab File: BF133548.D  
 Acq: 31 May 2023 19:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RBR044-VNJ224



Tgt Ion:244 Resp: 1688991  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.1   | 5.8   | 8.6   |
| 122 | 10.6  | 8.5   | 12.7  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.451 min Scan# 2272  
 Delta R.T. -0.006 min  
 Lab File: BF133548.D  
 Acq: 31 May 2023 19:58

Tgt Ion:264 Resp: 294494  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.1  | 19.0  | 28.4  |
| 265 | 21.3  | 16.8  | 25.2  |

