

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042023\  
 Data File : BF132950.D  
 Acq On : 20 Apr 2023 22:07  
 Operator : CG\JU  
 Sample : 02389-12  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SPB-3WC-23-04-17

Quant Time: Apr 21 02:17:48 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF041723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 20 14:15:37 2023  
 Response via : Initial Calibration

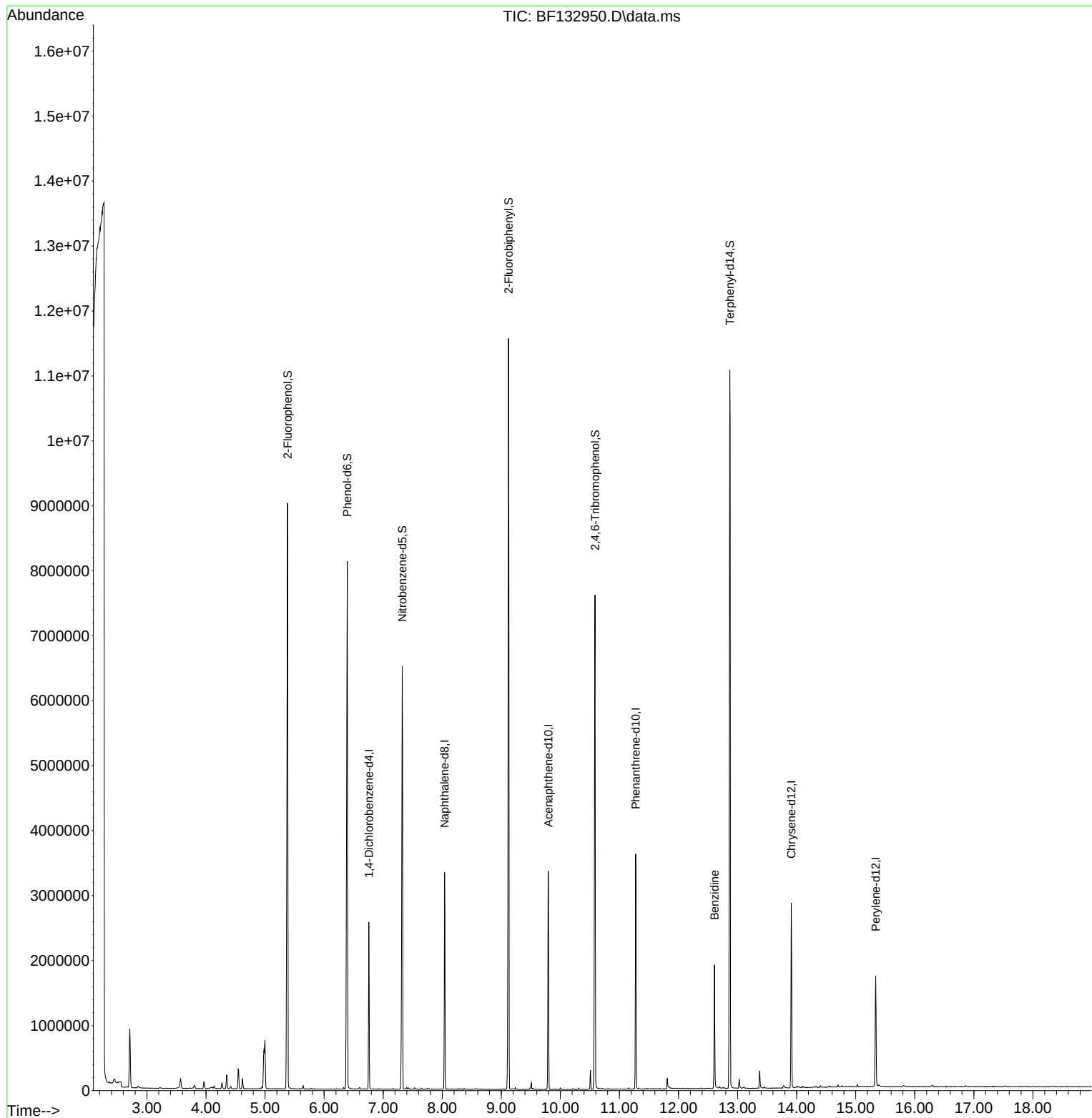
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min)  |
|-----------------------------|--------|------|----------|---------|-------|-----------|
| -----                       |        |      |          |         |       |           |
| Internal Standards          |        |      |          |         |       |           |
| 1) 1,4-Dichlorobenzene-d4   | 6.757  | 152  | 326550   | 20.000  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.039  | 136  | 1312492  | 20.000  | ng    | 0.00      |
| 39) Acenaphthene-d10        | 9.798  | 164  | 696668   | 20.000  | ng    | 0.00      |
| 64) Phenanthrene-d10        | 11.274 | 188  | 1227409  | 20.000  | ng    | 0.00      |
| 76) Chrysene-d12            | 13.910 | 240  | 845502   | 20.000  | ng    | # 0.00    |
| 86) Perylene-d12            | 15.339 | 264  | 687734   | 20.000  | ng    | 0.00      |
| System Monitoring Compounds |        |      |          |         |       |           |
| 5) 2-Fluorophenol           | 5.381  | 112  | 2669311  | 127.819 | ng    | 0.02      |
| 7) Phenol-d6                | 6.392  | 99   | 3204925  | 120.268 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.322  | 82   | 2312864  | 91.854  | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol    | 10.586 | 330  | 1056653  | 151.218 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 9.122  | 172  | 3670288  | 80.933  | ng    | 0.00      |
| 79) Terphenyl-d14           | 12.868 | 244  | 4475889  | 90.316  | ng    | 0.00      |
| Target Compounds            |        |      |          |         |       |           |
| 77) Benzidine               | 12.610 | 184  | 589077   | 44.726  | ng    | Qvalue 96 |
| -----                       |        |      |          |         |       |           |

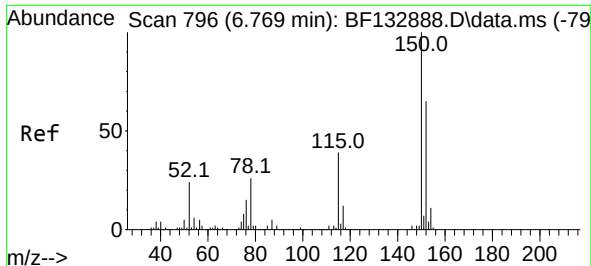
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042023\  
Data File : BF132950.D  
Acq On : 20 Apr 2023 22:07  
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Sample : 02389-12  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SPB-3WC-23-04-17

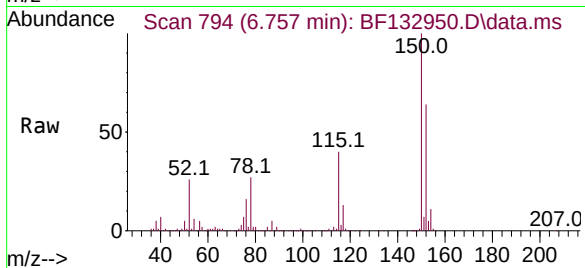
Quant Time: Apr 21 02:17:48 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF041723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 20 14:15:37 2023  
Response via : Initial Calibration



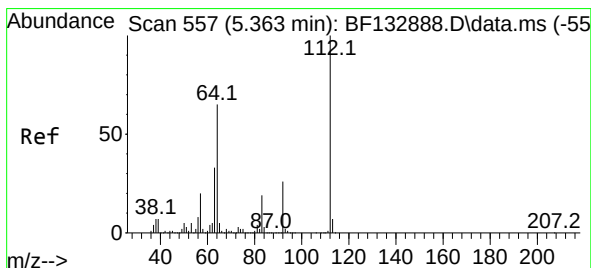
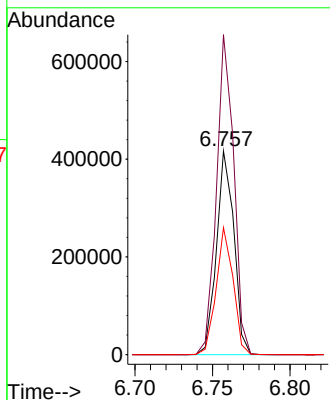
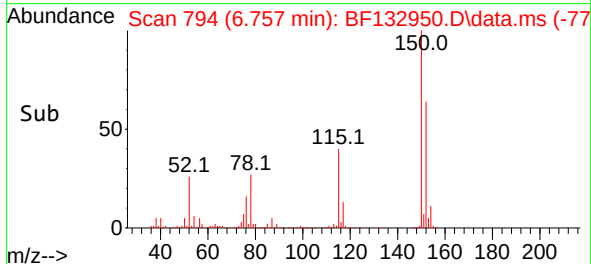


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.757 min Scan# 796  
Delta R.T. 0.000 min  
Lab File: BF132950.D  
Acq: 20 Apr 2023 22:07

Instrument :  
BNA\_F  
ClientSampleId :  
SPB-3WC-23-04-17

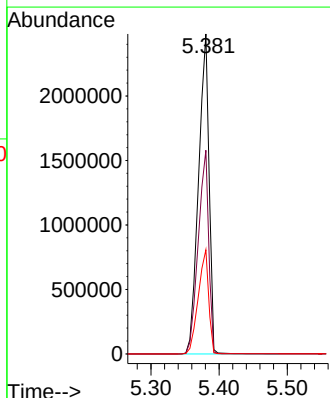
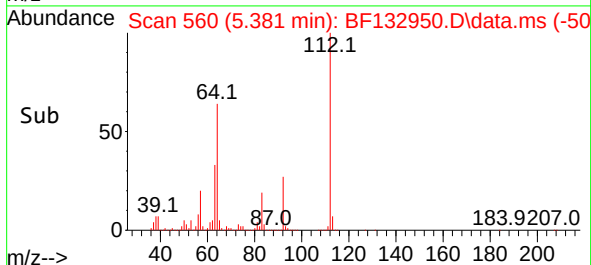
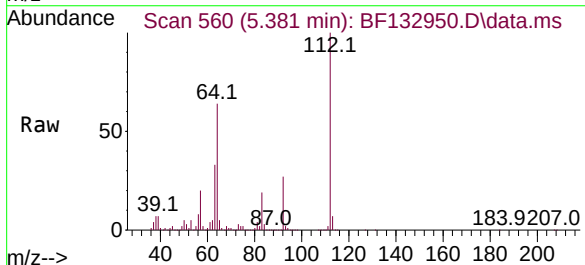


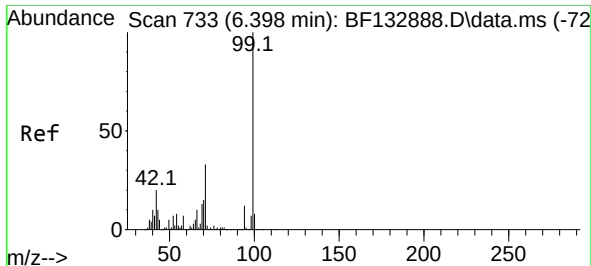
Tgt Ion:152 Resp: 326550  
Ion Ratio Lower Upper  
152 100  
150 157.1 122.8 184.2  
115 62.3 47.3 70.9



#5  
2-Fluorophenol  
Concen: 127.819 ng  
RT: 5.381 min Scan# 560  
Delta R.T. 0.023 min  
Lab File: BF132950.D  
Acq: 20 Apr 2023 22:07

Tgt Ion:112 Resp: 2669311  
Ion Ratio Lower Upper  
112 100  
64 63.6 51.8 77.8  
63 32.5 26.3 39.5

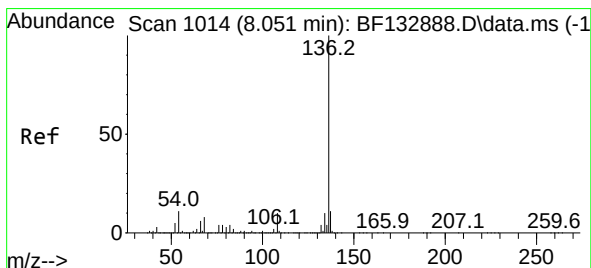
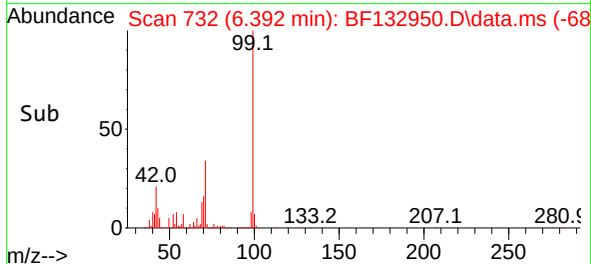
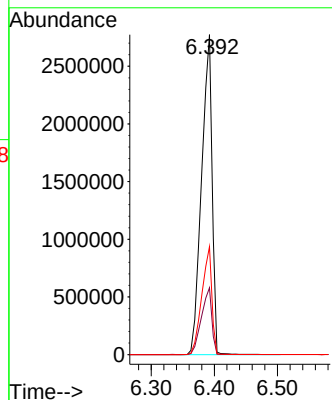
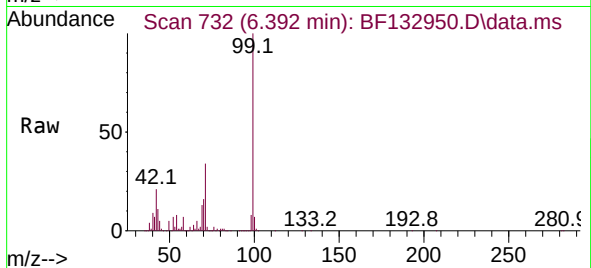




#7  
Phenol-d6  
Concen: 120.268 ng  
RT: 6.392 min Scan# 733  
Delta R.T. -0.000 min  
Lab File: BF132950.D  
Acq: 20 Apr 2023 22:07

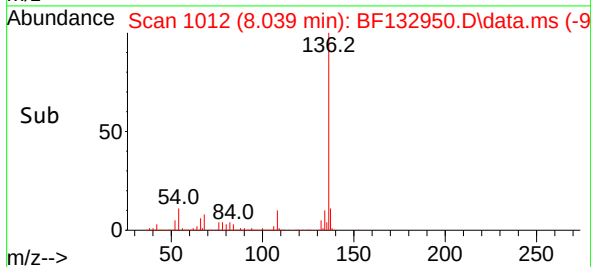
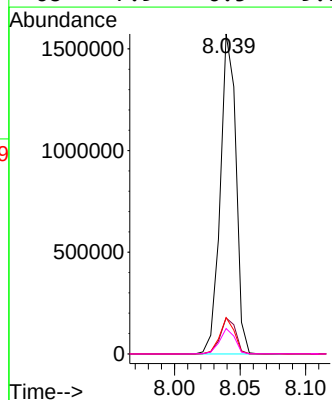
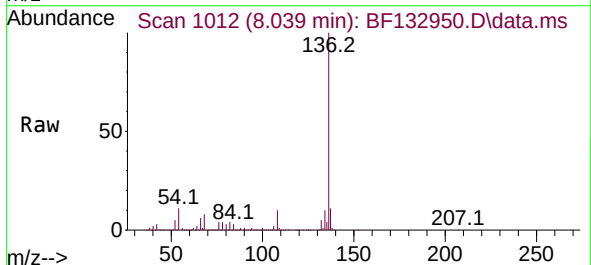
Instrument :  
BNA\_F  
ClientSampleId :  
SPB-3WC-23-04-17

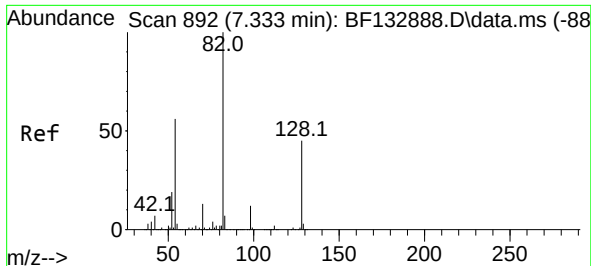
Tgt Ion: 99 Resp: 3204925  
Ion Ratio Lower Upper  
99 100  
42 20.9 16.1 24.1  
71 33.7 26.1 39.1



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.039 min Scan# 1012  
Delta R.T. -0.006 min  
Lab File: BF132950.D  
Acq: 20 Apr 2023 22:07

Tgt Ion:136 Resp: 1312492  
Ion Ratio Lower Upper  
136 100  
137 11.3 9.0 13.4  
54 11.4 8.9 13.3  
68 7.9 6.5 9.7





#23

Nitrobenzene-d5

Concen: 91.854 ng

RT: 7.322 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF132950.D

Acq: 20 Apr 2023 22:07

Instrument :

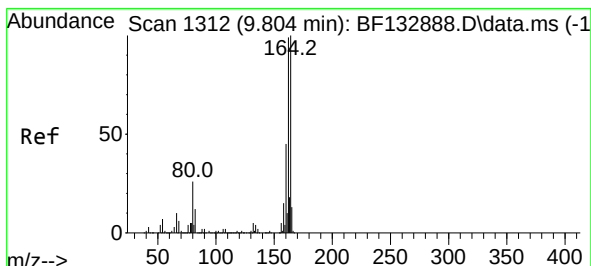
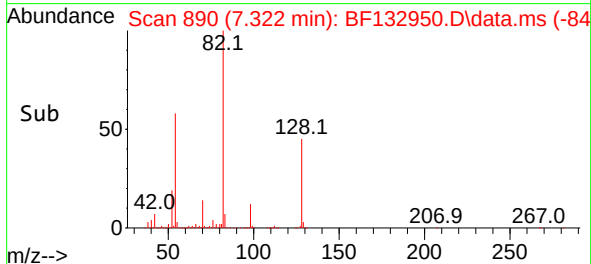
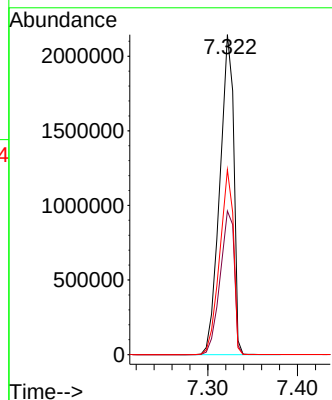
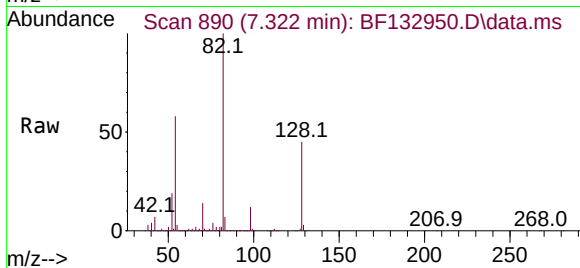
BNA\_F

ClientSampleId :

SPB-3WC-23-04-17

Tgt Ion: 82 Resp: 2312864

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.9  | 35.7  | 53.5  |
| 54  | 57.8  | 44.7  | 67.1  |



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.798 min Scan# 1311

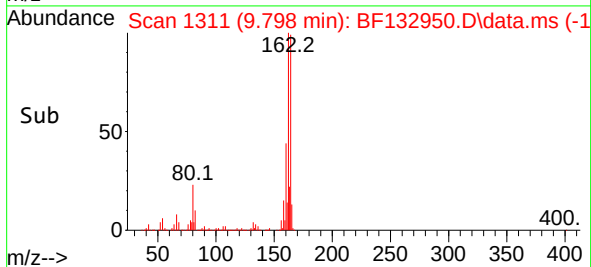
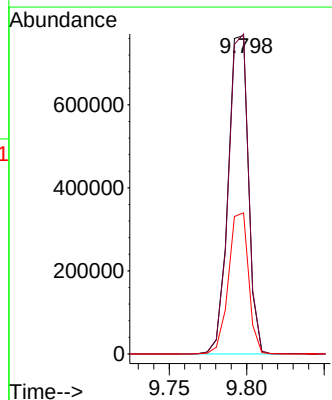
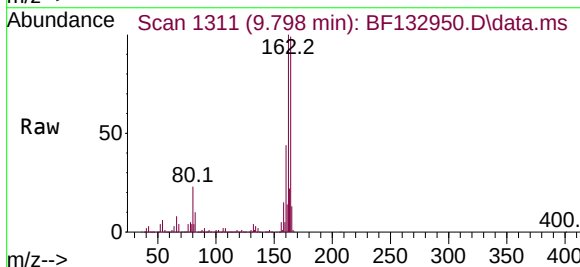
Delta R.T. -0.000 min

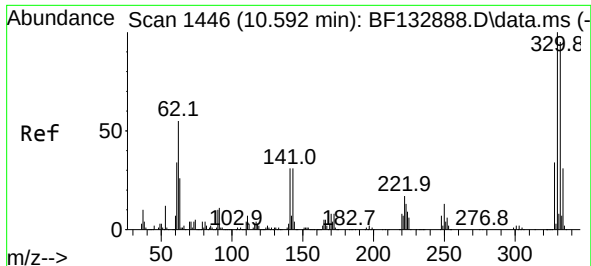
Lab File: BF132950.D

Acq: 20 Apr 2023 22:07

Tgt Ion:164 Resp: 696668

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 100.5 | 79.1  | 118.7 |
| 160 | 44.3  | 35.6  | 53.4  |

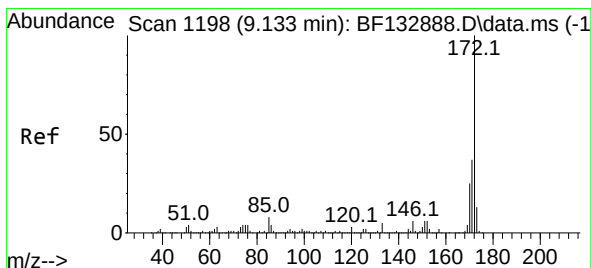
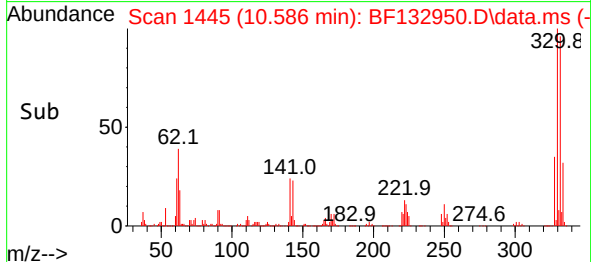
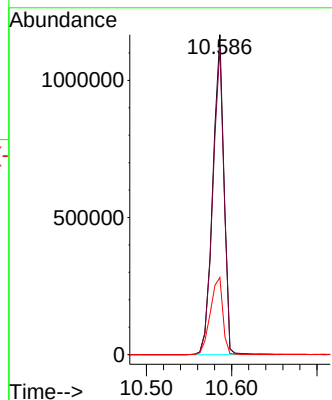
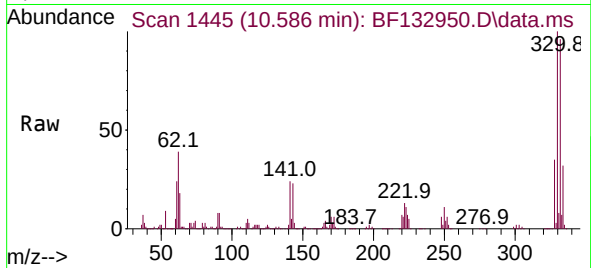




#42  
2,4,6-Tribromophenol  
Concen: 151.218 ng  
RT: 10.586 min Scan# 1445  
Delta R.T. -0.000 min  
Lab File: BF132950.D  
Acq: 20 Apr 2023 22:07

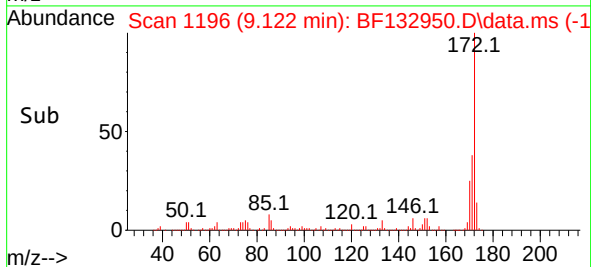
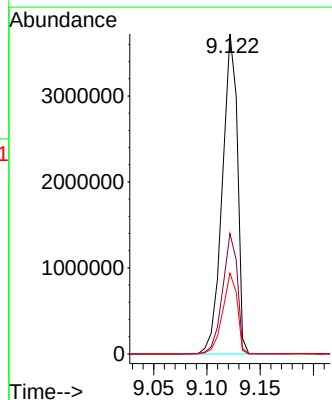
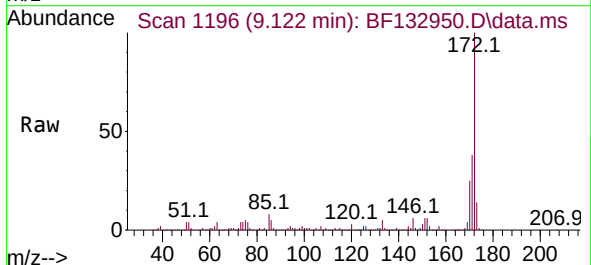
Instrument :  
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ClientSampleId :  
SPB-3WC-23-04-17

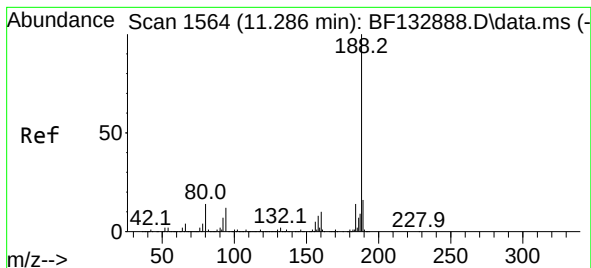
Tgt Ion:330 Resp: 1056653  
Ion Ratio Lower Upper  
330 100  
332 96.6 76.3 114.5  
141 27.1 23.9 35.9



#45  
2-Fluorobiphenyl  
Concen: 80.933 ng  
RT: 9.122 min Scan# 1196  
Delta R.T. -0.000 min  
Lab File: BF132950.D  
Acq: 20 Apr 2023 22:07

Tgt Ion:172 Resp: 3670288  
Ion Ratio Lower Upper  
172 100  
171 37.6 29.4 44.0  
170 25.2 20.1 30.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.274 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132950.D

Acq: 20 Apr 2023 22:07

Instrument :

BNA\_F

ClientSampleId :

SPB-3WC-23-04-17

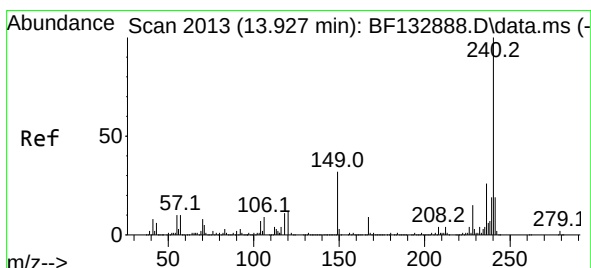
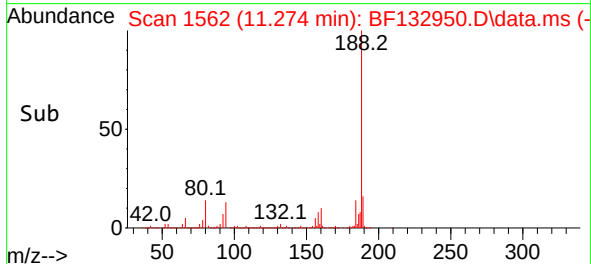
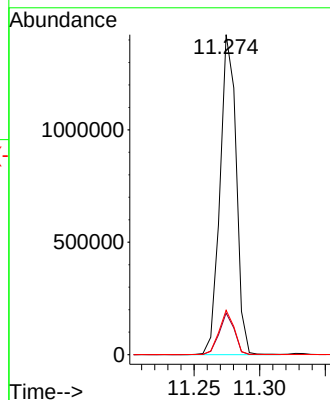
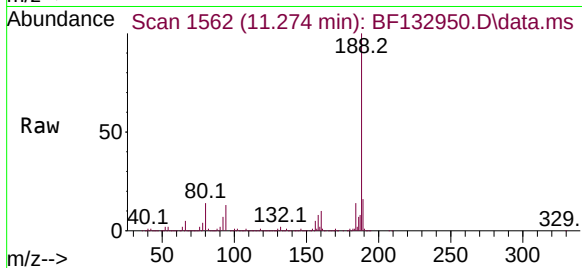
Tgt Ion:188 Resp: 1227409

Ion Ratio Lower Upper

188 100

94 13.0 9.9 14.9

80 13.9 10.8 16.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.910 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF132950.D

Acq: 20 Apr 2023 22:07

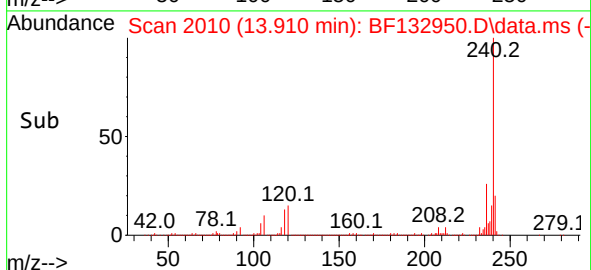
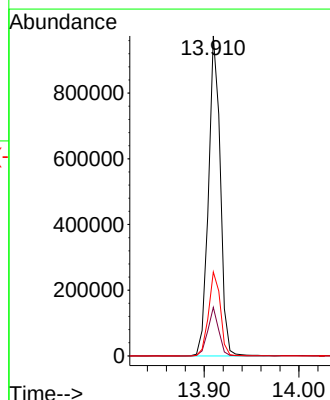
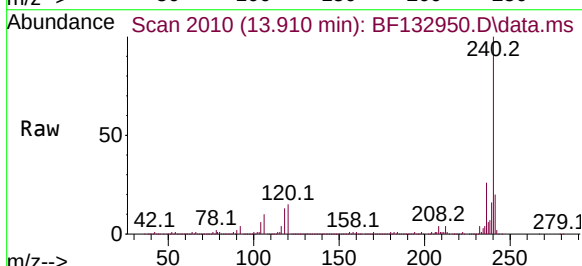
Tgt Ion:240 Resp: 845502

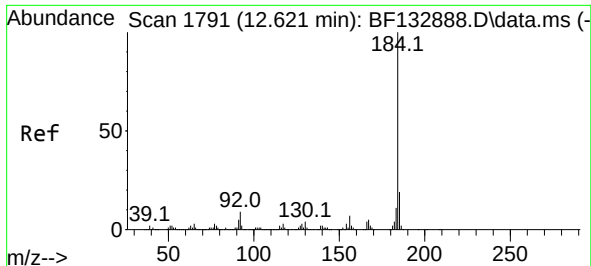
Ion Ratio Lower Upper

240 100

120 15.2 10.0 15.0#

236 26.2 20.8 31.2

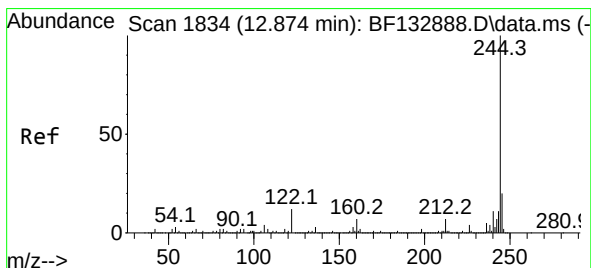
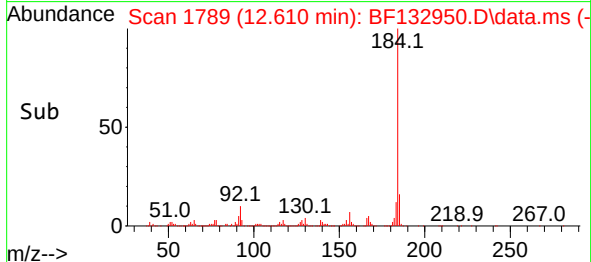
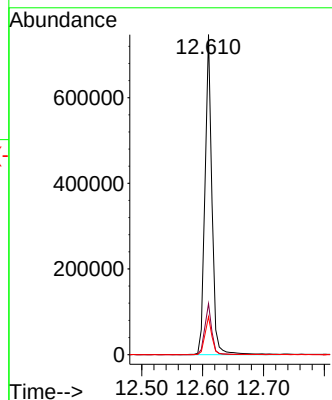
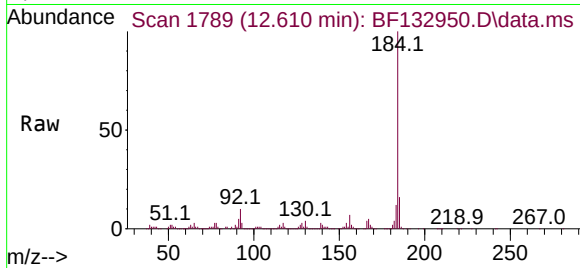




#77  
Benzidine  
Concen: 44.726 ng  
RT: 12.610 min Scan# 1789  
Delta R.T. -0.000 min  
Lab File: BF132950.D  
Acq: 20 Apr 2023 22:07

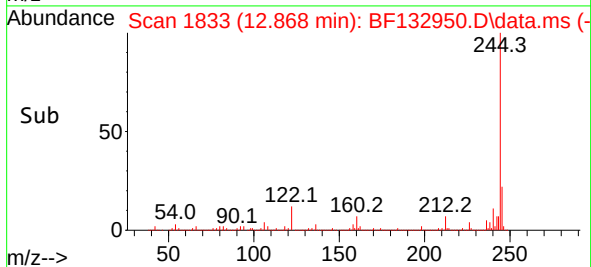
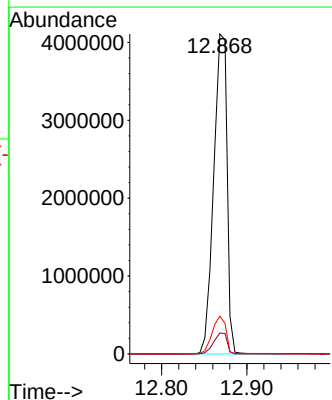
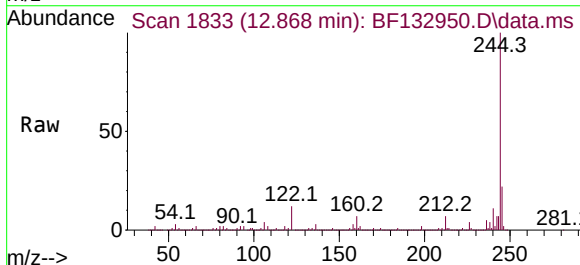
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Tgt Ion:184 Resp: 589077  
Ion Ratio Lower Upper  
184 100  
185 15.9 14.9 22.3  
183 11.8 9.0 13.6

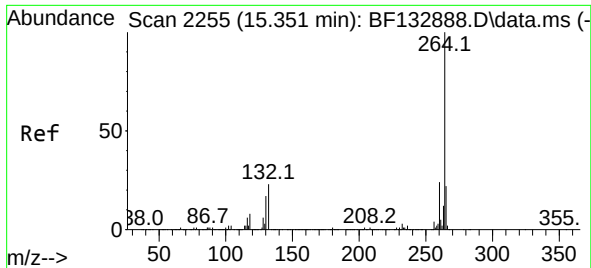


#79  
Terphenyl-d14  
Concen: 90.316 ng  
RT: 12.868 min Scan# 1833  
Delta R.T. -0.000 min  
Lab File: BF132950.D  
Acq: 20 Apr 2023 22:07

Tgt Ion:244 Resp: 4475889  
Ion Ratio Lower Upper  
244 100  
212 6.6 5.4 8.0  
122 11.8 9.6 14.4

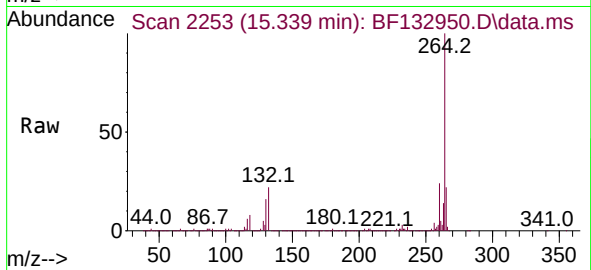






#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.339 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: BF132950.D  
 Acq: 20 Apr 2023 22:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SPB-3WC-23-04-17



Tgt Ion:264 Resp: 687734  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 19.0 28.6  
 265 21.8 17.7 26.5

