

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042023\  
 Data File : BF132949.D  
 Acq On : 20 Apr 2023 21:36  
 Operator : CG\JU  
 Sample : 02389-08  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SPB-2WC-23-04-17

Quant Time: Apr 21 02:17:31 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

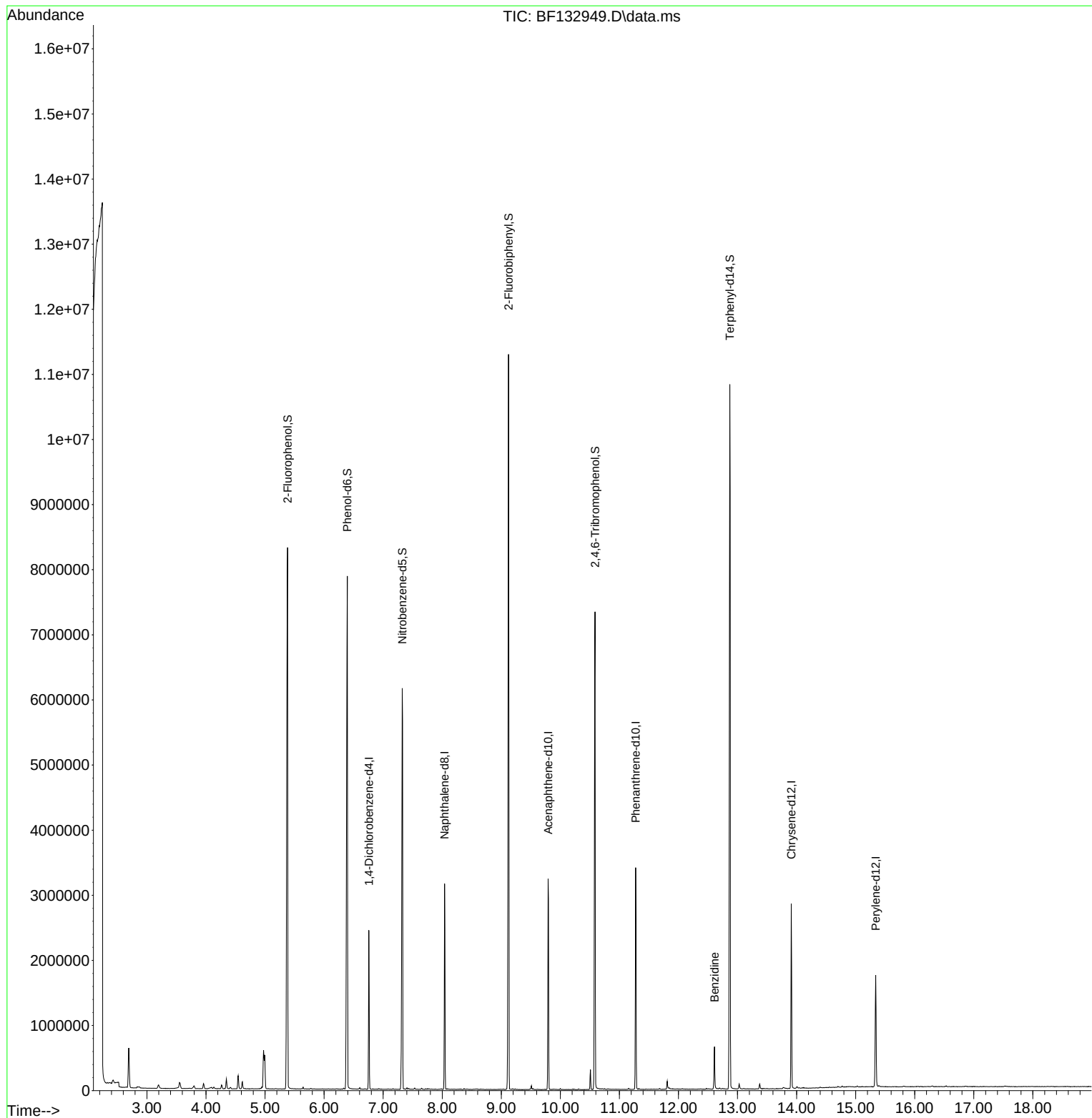
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min)  |
|-----------------------------|--------|------|----------|---------|-------|-----------|
| -----                       |        |      |          |         |       |           |
| Internal Standards          |        |      |          |         |       |           |
| 1) 1,4-Dichlorobenzene-d4   | 6.757  | 152  | 307701   | 20.000  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.039  | 136  | 1233620  | 20.000  | ng    | 0.00      |
| 39) Acenaphthene-d10        | 9.792  | 164  | 639603   | 20.000  | ng    | 0.00      |
| 64) Phenanthrene-d10        | 11.275 | 188  | 1150331  | 20.000  | ng    | 0.00      |
| 76) Chrysene-d12            | 13.910 | 240  | 812173   | 20.000  | ng    | 0.00      |
| 86) Perylene-d12            | 15.339 | 264  | 671276   | 20.000  | ng    | 0.00      |
| System Monitoring Compounds |        |      |          |         |       |           |
| 5) 2-Fluorophenol           | 5.381  | 112  | 2588224  | 131.528 | ng    | 0.02      |
| 7) Phenol-d6                | 6.393  | 99   | 3141416  | 125.106 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.322  | 82   | 2190996  | 92.577  | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol    | 10.586 | 330  | 972666   | 151.618 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 9.122  | 172  | 3449435  | 82.850  | ng    | 0.00      |
| 79) Terphenyl-d14           | 12.869 | 244  | 4330909  | 90.976  | ng    | 0.00      |
| Target Compounds            |        |      |          |         |       |           |
| 77) Benzidine               | 12.610 | 184  | 210882   | 16.668  | ng    | Qvalue 96 |
| -----                       |        |      |          |         |       |           |

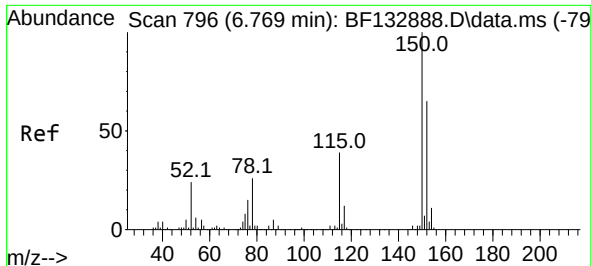
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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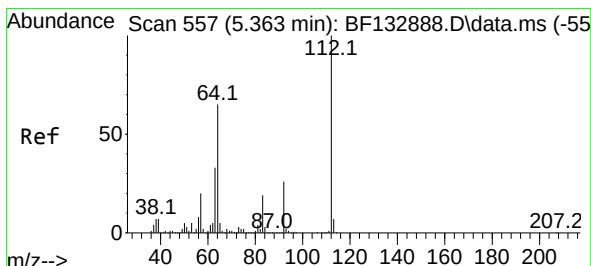
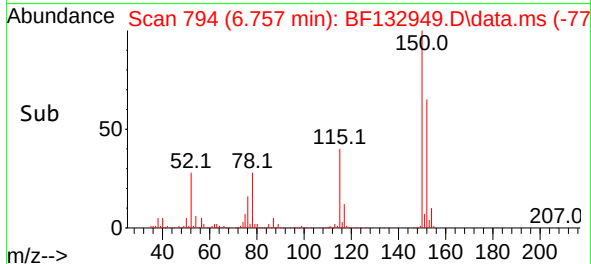
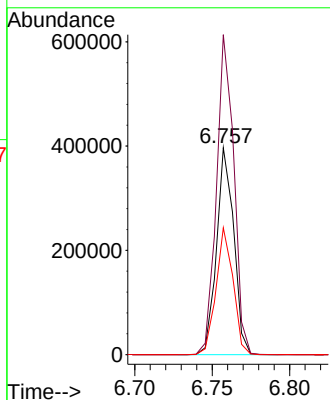
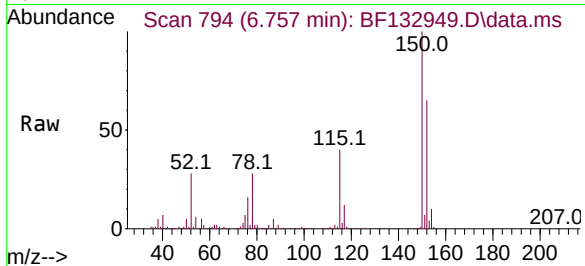




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.757 min Scan# 79  
Delta R.T. 0.000 min  
Lab File: BF132949.D  
Acq: 20 Apr 2023 21:36

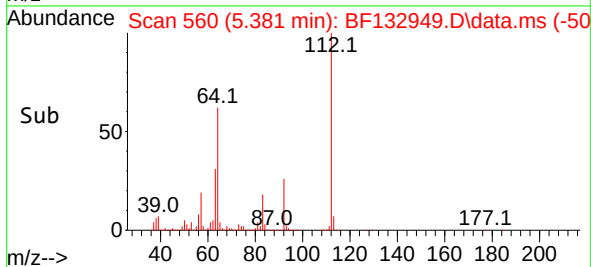
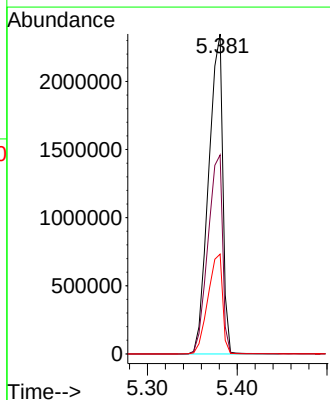
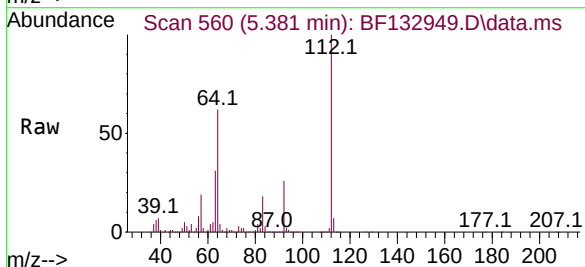
Instrument :  
BNA\_F  
ClientSampleId :  
SPB-2WC-23-04-17

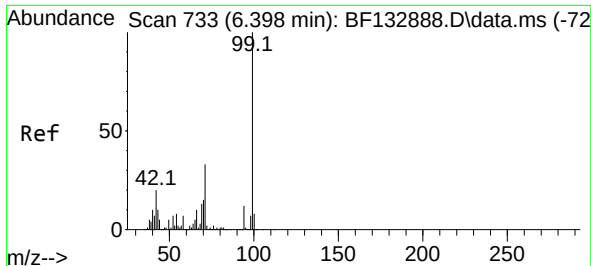
Tgt Ion:152 Resp: 307701  
Ion Ratio Lower Upper  
152 100  
150 154.7 122.8 184.2  
115 61.3 47.3 70.9



#5  
2-Fluorophenol  
Concen: 131.528 ng  
RT: 5.381 min Scan# 560  
Delta R.T. 0.024 min  
Lab File: BF132949.D  
Acq: 20 Apr 2023 21:36

Tgt Ion:112 Resp: 2588224  
Ion Ratio Lower Upper  
112 100  
64 62.2 51.8 77.8  
63 31.2 26.3 39.5

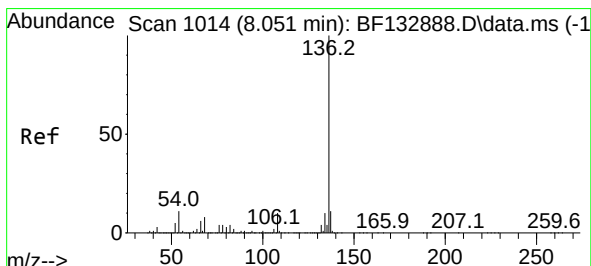
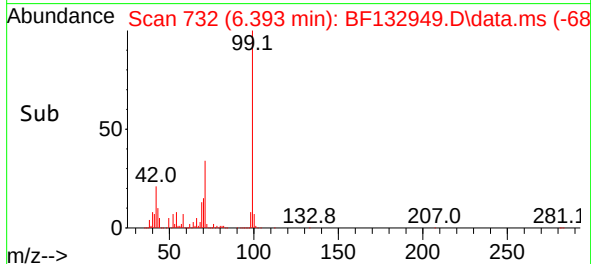
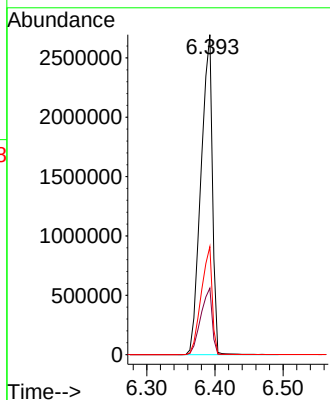
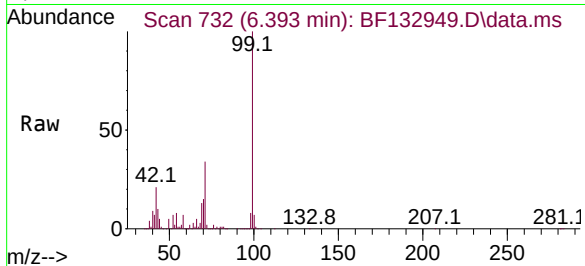




#7  
Phenol-d6  
Concen: 125.106 ng  
RT: 6.393 min Scan# 731  
Delta R.T. 0.000 min  
Lab File: BF132949.D  
Acq: 20 Apr 2023 21:36

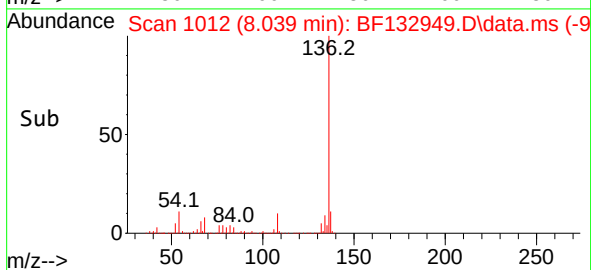
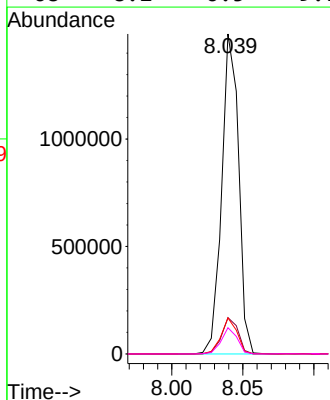
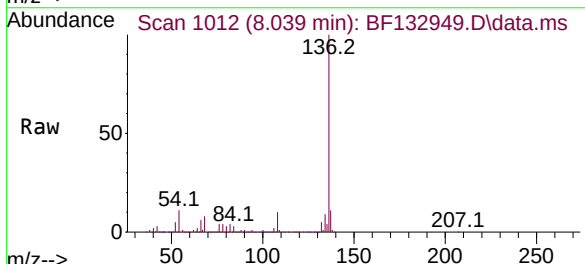
Instrument :  
BNA\_F  
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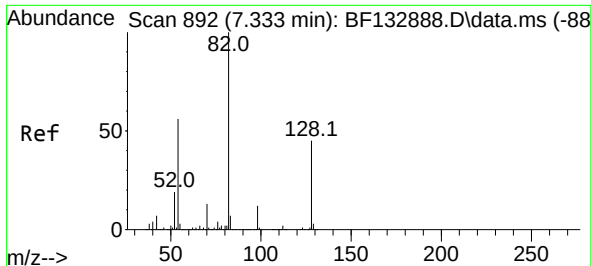
Tgt Ion: 99 Resp: 3141416  
Ion Ratio Lower Upper  
99 100  
42 20.8 16.1 24.1  
71 33.7 26.1 39.1



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.039 min Scan# 1012  
Delta R.T. -0.006 min  
Lab File: BF132949.D  
Acq: 20 Apr 2023 21:36

Tgt Ion:136 Resp: 1233620  
Ion Ratio Lower Upper  
136 100  
137 11.3 9.0 13.4  
54 11.2 8.9 13.3  
68 8.2 6.5 9.7

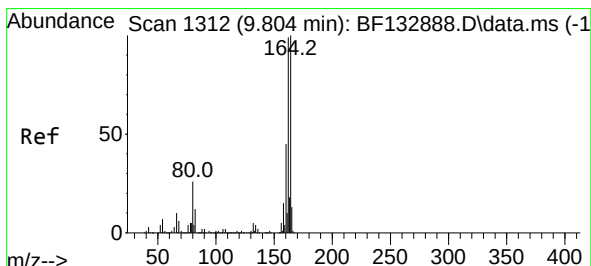
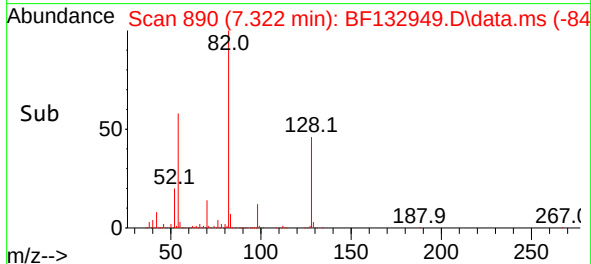
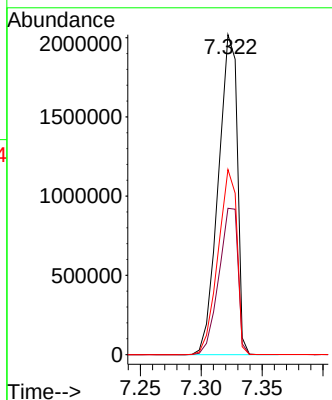
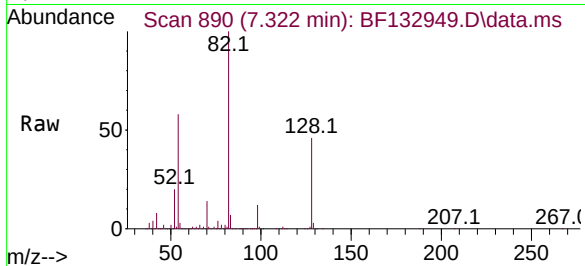




#23  
Nitrobenzene-d5  
Concen: 92.577 ng  
RT: 7.322 min Scan# 89  
Delta R.T. -0.006 min  
Lab File: BF132949.D  
Acq: 20 Apr 2023 21:36

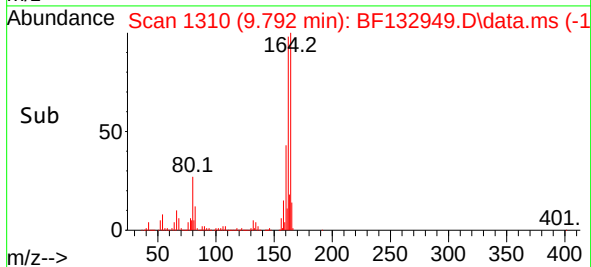
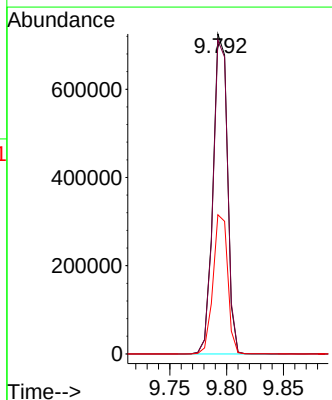
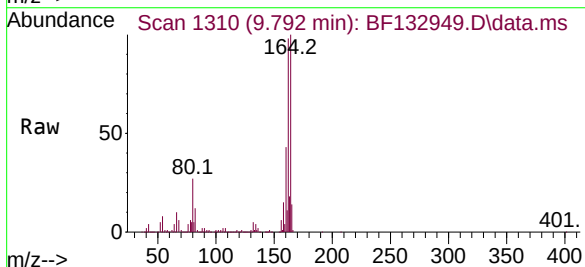
Instrument :  
BNA\_F  
ClientSampleId :  
SPB-2WC-23-04-17

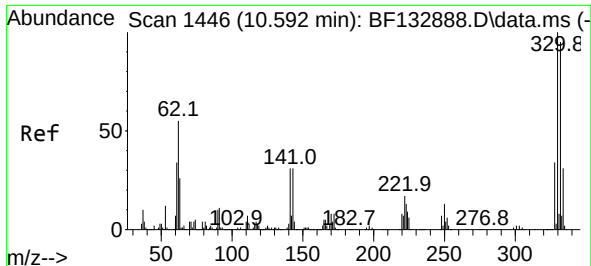
Tgt Ion: 82 Resp: 2190996  
Ion Ratio Lower Upper  
82 100  
128 45.7 35.7 53.5  
54 57.8 44.7 67.1



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.792 min Scan# 1310  
Delta R.T. -0.006 min  
Lab File: BF132949.D  
Acq: 20 Apr 2023 21:36

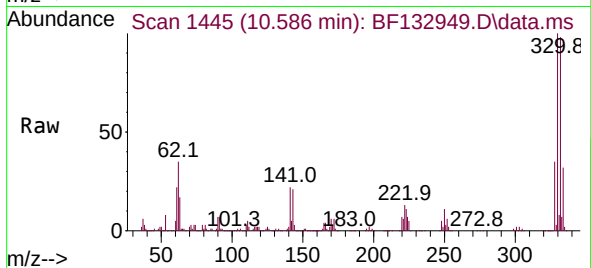
Tgt Ion:164 Resp: 639603  
Ion Ratio Lower Upper  
164 100  
162 98.0 79.1 118.7  
160 43.5 35.6 53.4



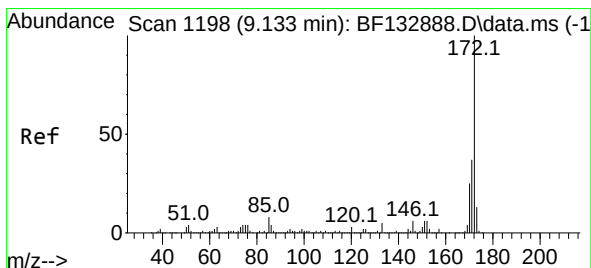
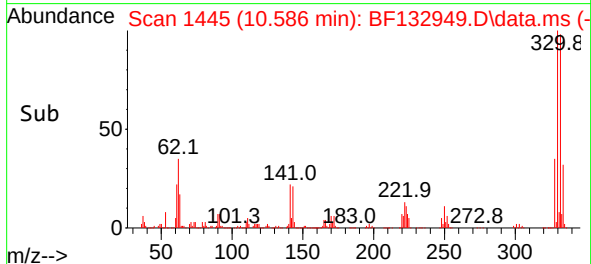
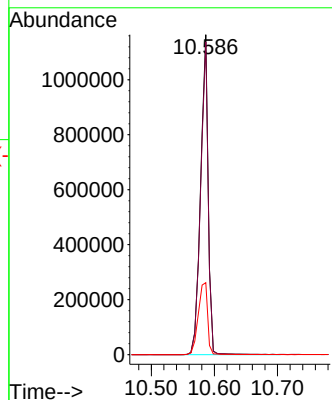


#42  
2,4,6-Tribromophenol  
Concen: 151.618 ng  
RT: 10.586 min Scan# 1445  
Delta R.T. 0.000 min  
Lab File: BF132949.D  
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Instrument :  
BNA\_F  
ClientSampleId :  
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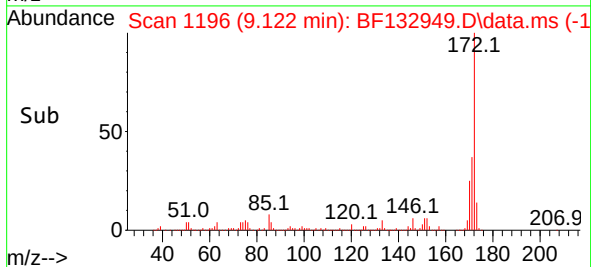
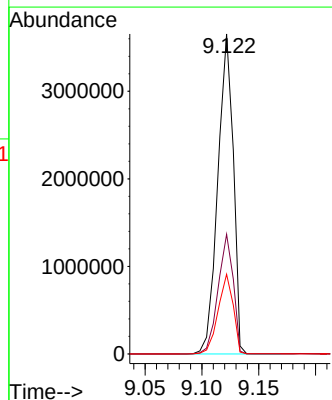
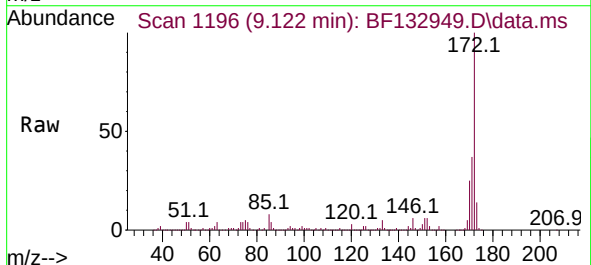


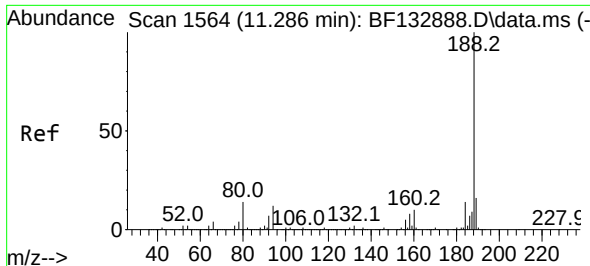
Tgt Ion:330 Resp: 972666  
Ion Ratio Lower Upper  
330 100  
332 97.7 76.3 114.5  
141 27.7 23.9 35.9



#45  
2-Fluorobiphenyl  
Concen: 82.850 ng  
RT: 9.122 min Scan# 1196  
Delta R.T. 0.000 min  
Lab File: BF132949.D  
Acq: 20 Apr 2023 21:36

Tgt Ion:172 Resp: 3449435  
Ion Ratio Lower Upper  
172 100  
171 37.4 29.4 44.0  
170 24.9 20.1 30.1

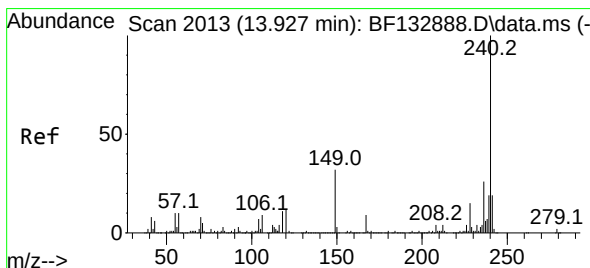
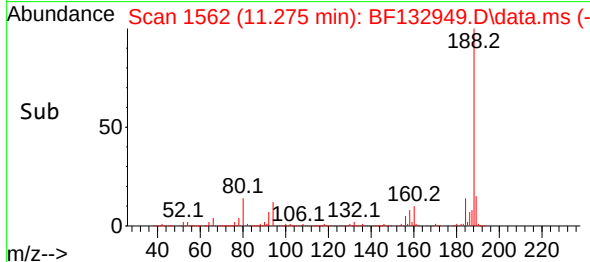
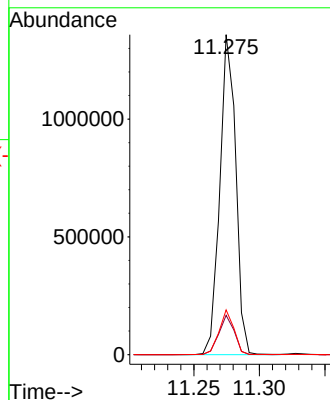
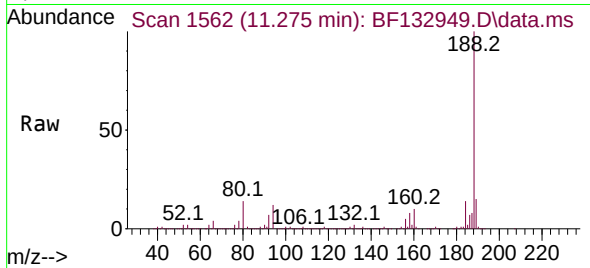




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.275 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF132949.D  
Acq: 20 Apr 2023 21:36

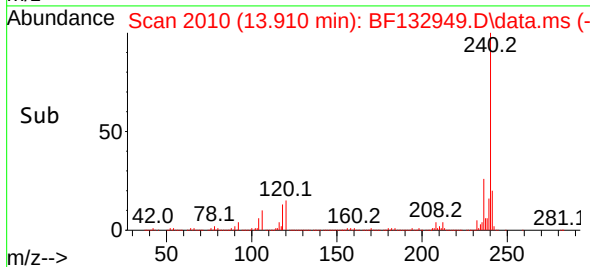
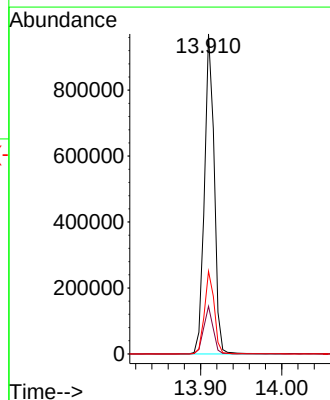
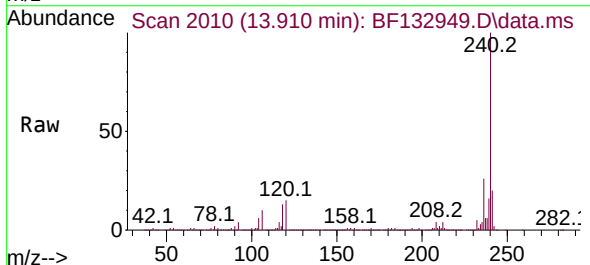
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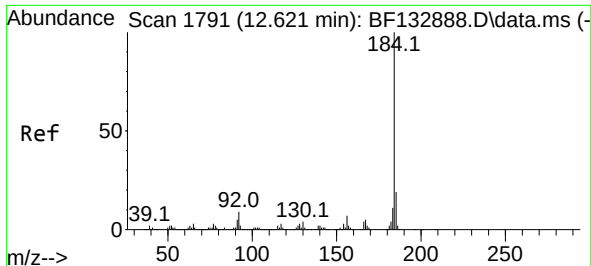
Tgt Ion:188 Resp: 1150331  
Ion Ratio Lower Upper  
188 100  
94 12.3 9.9 14.9  
80 14.0 10.8 16.2



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.910 min Scan# 2010  
Delta R.T. -0.006 min  
Lab File: BF132949.D  
Acq: 20 Apr 2023 21:36

Tgt Ion:240 Resp: 812173  
Ion Ratio Lower Upper  
240 100  
120 14.9 10.0 15.0  
236 25.8 20.8 31.2

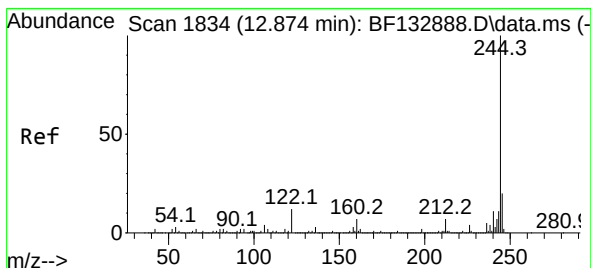
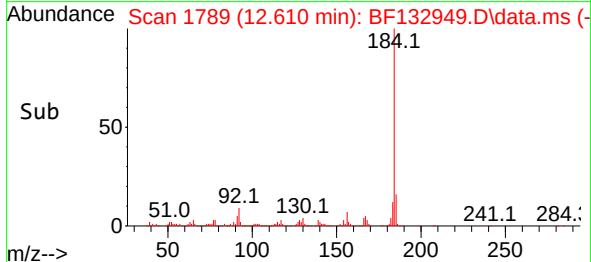
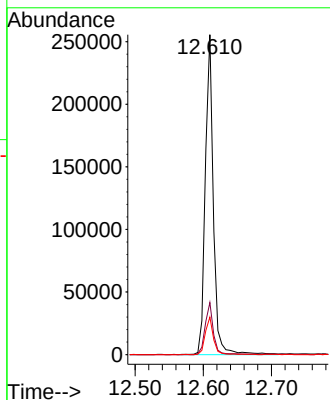
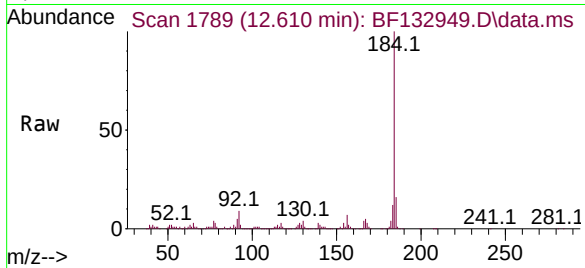




#77  
Benzidine  
Concen: 16.668 ng  
RT: 12.610 min Scan# 1789  
Delta R.T. 0.000 min  
Lab File: BF132949.D  
Acq: 20 Apr 2023 21:36

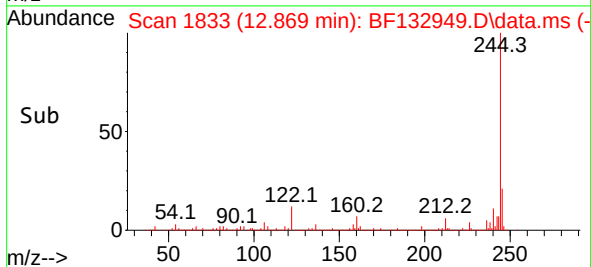
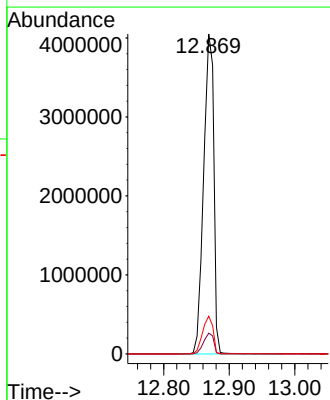
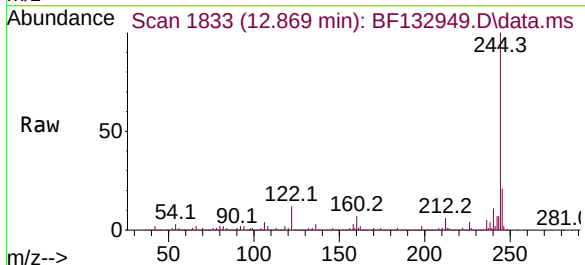
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Tgt Ion:184 Resp: 210882  
Ion Ratio Lower Upper  
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185 16.3 14.9 22.3  
183 11.7 9.0 13.6

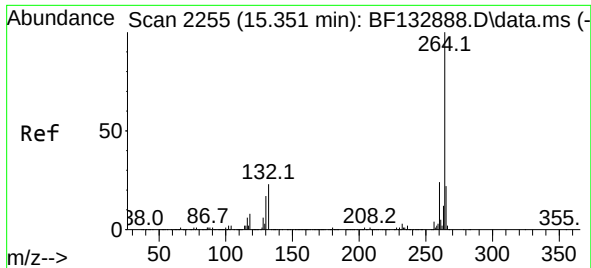


#79  
Terphenyl-d14  
Concen: 90.976 ng  
RT: 12.869 min Scan# 1833  
Delta R.T. 0.000 min  
Lab File: BF132949.D  
Acq: 20 Apr 2023 21:36

Tgt Ion:244 Resp: 4330909  
Ion Ratio Lower Upper  
244 100  
212 6.5 5.4 8.0  
122 11.8 9.6 14.4

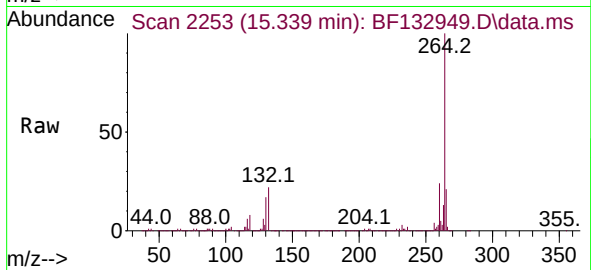






#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.339 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BF132949.D  
Acq: 20 Apr 2023 21:36

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:264 Resp: 671276  
Ion Ratio Lower Upper  
264 100  
260 24.0 19.0 28.6  
265 21.4 17.7 26.5

