

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG101521\  
 Data File : BG050606.D  
 Acq On : 15 Oct 2021 16:44  
 Operator : CG/JU  
 Sample : M4195-02  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HAR-SOILPILE

Quant Time: Oct 15 18:12:08 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 14 10:56:22 2021  
 Response via : Initial Calibration

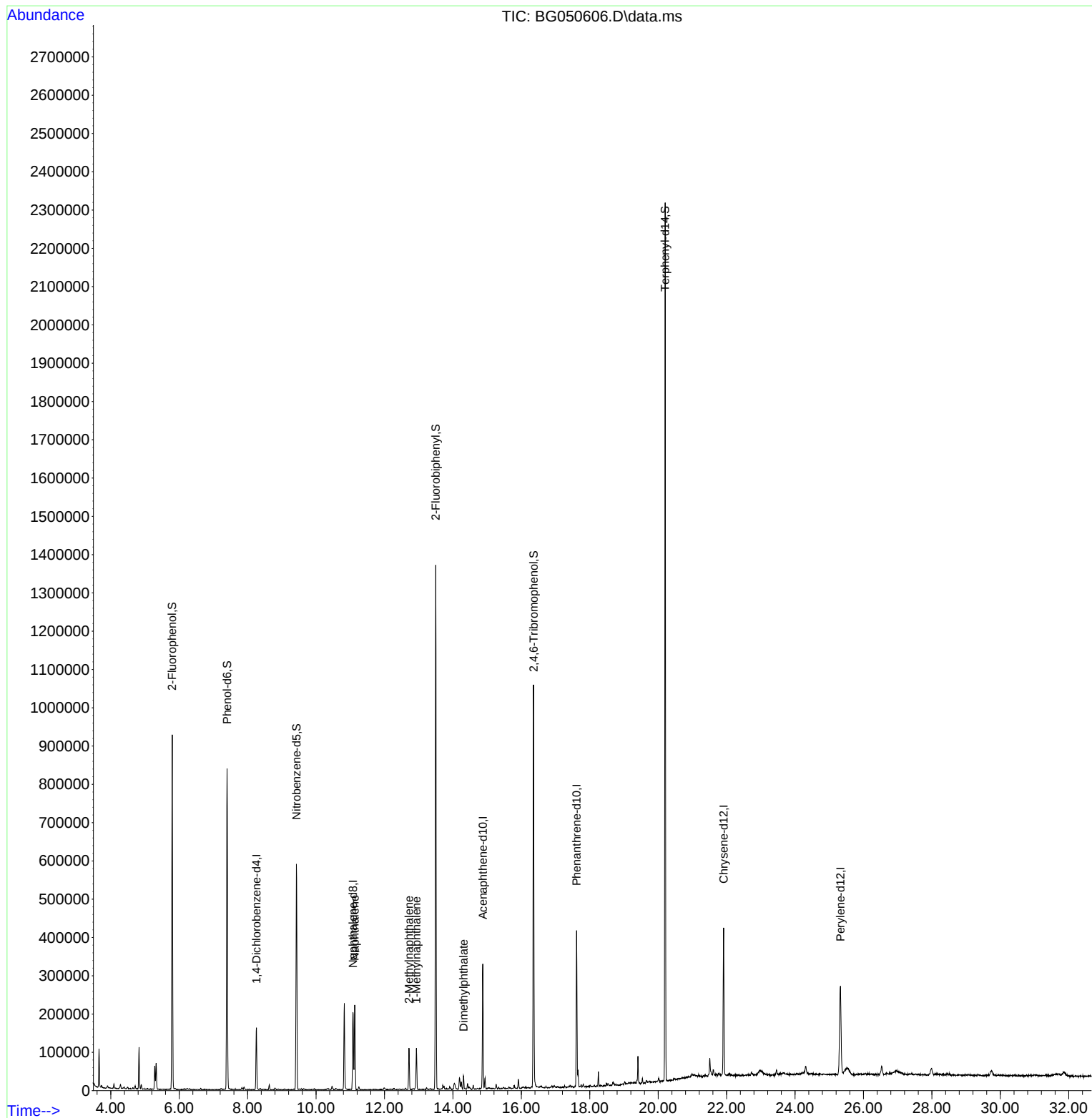
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.258  | 152  | 42316    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.078 | 136  | 170782   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.874 | 164  | 110905   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.618 | 188  | 250026   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12            | 21.913 | 240  | 234016   | 20.00  | ng    | #-0.01   |
| 86) Perylene-d12            | 25.326 | 264  | 227507   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.796  | 112  | 369472   | 130.58 | ng    | 0.00     |
| 7) Phenol-d6                | 7.400  | 99   | 462682   | 112.94 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.427  | 82   | 379562   | 92.00  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.360 | 330  | 155363   | 146.87 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.499 | 172  | 670206   | 90.95  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.203 | 244  | 988783   | 82.34  | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 11.131 | 128  | 179706   | 19.66  | ng    | 98       |
| 37) 2-Methylnaphthalene     | 12.718 | 142  | 47108    | 7.47   | ng    | 94       |
| 38) 1-Methylnaphthalene     | 12.935 | 142  | 47559    | 7.78   | ng    | 92       |
| 50) Dimethylphthalate       | 14.310 | 163  | 22382    | 2.67   | ng    | 98       |
| -----                       |        |      |          |        |       |          |

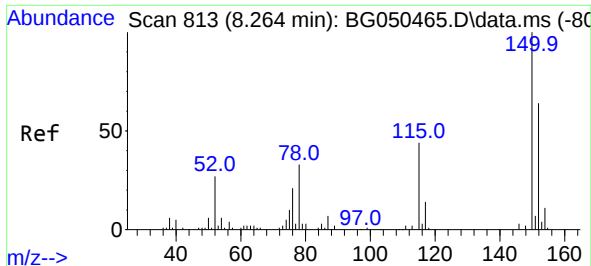
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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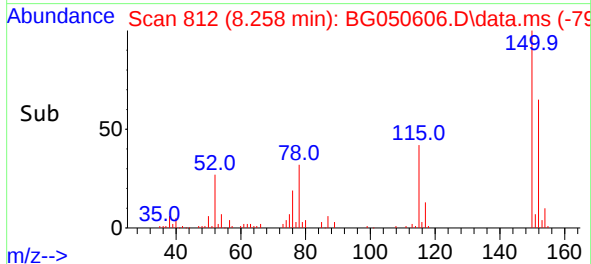
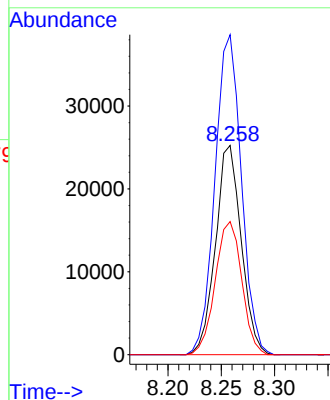
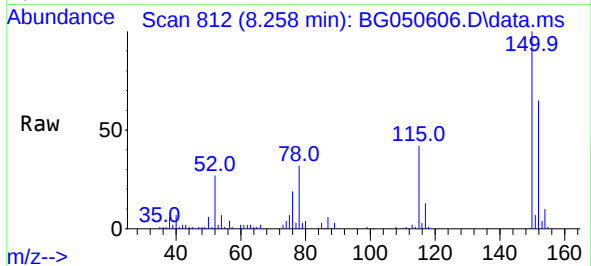




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.258 min Scan# 812  
Delta R.T. 0.000 min  
Lab File: BG050606.D  
Acq: 15 Oct 2021 16:44

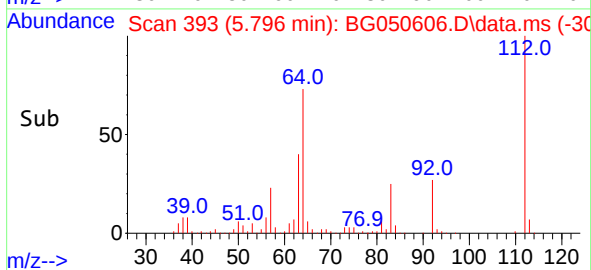
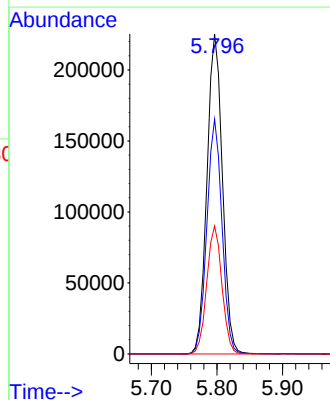
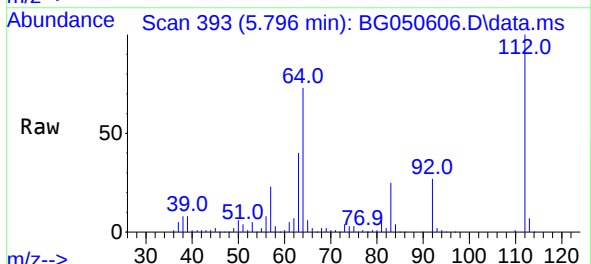
Instrument :  
BNA\_G  
ClientSampleId :  
HAR-SOILPILE

Tgt Ion:152 Resp: 42316  
Ion Ratio Lower Upper  
152 100  
150 152.9 119.4 179.0  
115 63.6 60.2 90.4



#5  
2-Fluorophenol  
Concen: 130.58 ng  
RT: 5.796 min Scan# 393  
Delta R.T. 0.006 min  
Lab File: BG050606.D  
Acq: 15 Oct 2021 16:44

Tgt Ion:112 Resp: 369472  
Ion Ratio Lower Upper  
112 100  
64 73.4 46.7 70.1#  
63 40.0 35.3 52.9

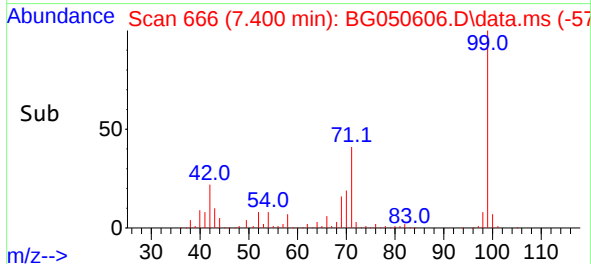
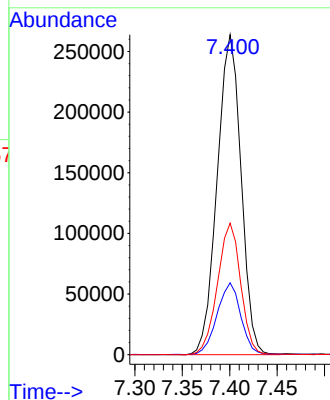
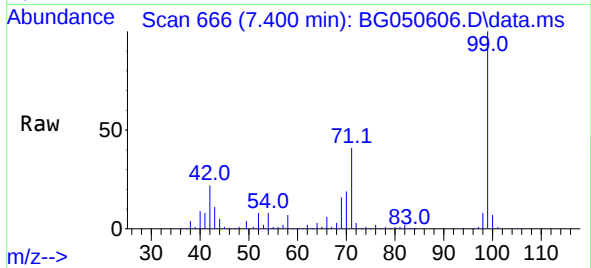




#7  
Phenol-d6  
Concen: 112.94 ng  
RT: 7.400 min Scan# 666  
Delta R.T. -0.000 min  
Lab File: BG050606.D  
Acq: 15 Oct 2021 16:44

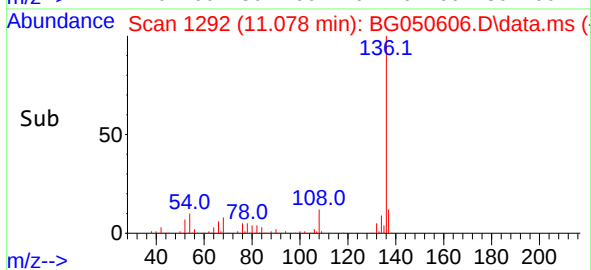
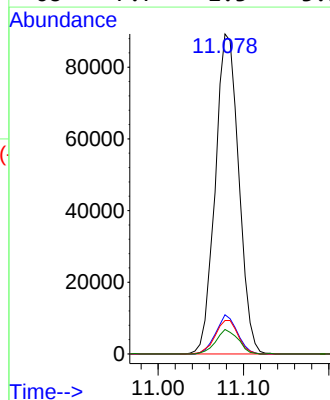
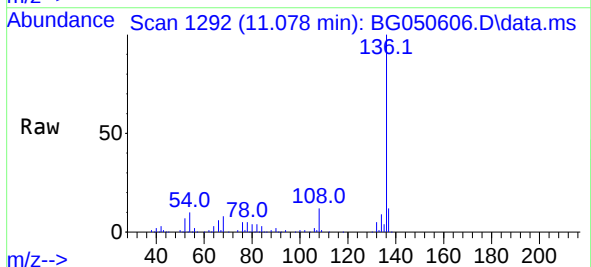
Instrument :  
BNA\_G  
ClientSampled :  
HAR-SOILPILE

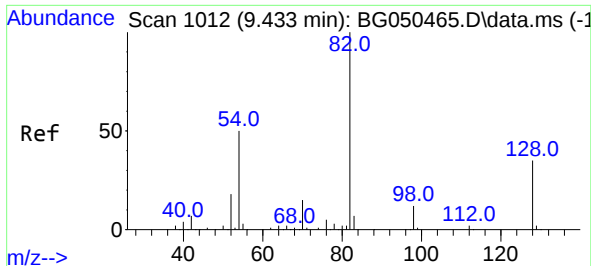
Tgt Ion: 99 Resp: 462682  
Ion Ratio Lower Upper  
99 100  
42 22.5 20.5 30.7  
71 41.1 41.5 62.3#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.078 min Scan# 1292  
Delta R.T. -0.006 min  
Lab File: BG050606.D  
Acq: 15 Oct 2021 16:44

Tgt Ion: 136 Resp: 170782  
Ion Ratio Lower Upper  
136 100  
137 12.2 8.2 12.2#  
54 10.4 5.5 8.3#  
68 7.7 2.3 3.5#

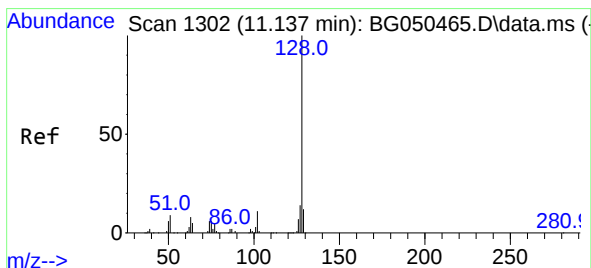
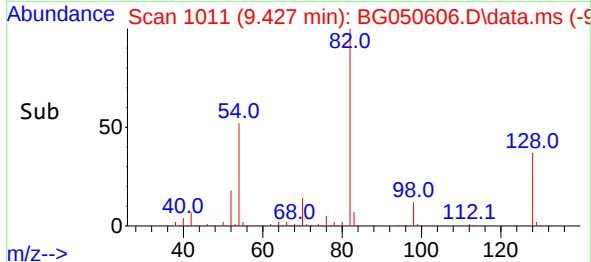
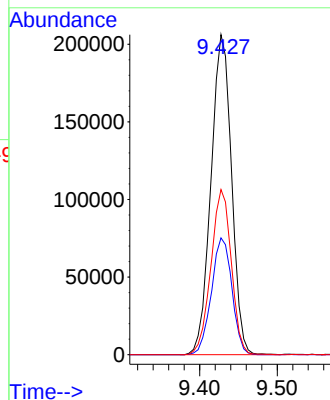
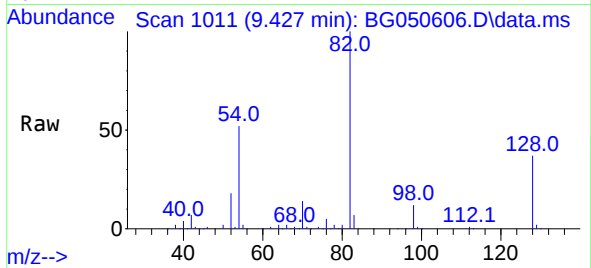




#23  
Nitrobenzene-d5  
Concen: 92.00 ng  
RT: 9.427 min Scan# 1011  
Delta R.T. -0.000 min  
Lab File: BG050606.D  
Acq: 15 Oct 2021 16:44

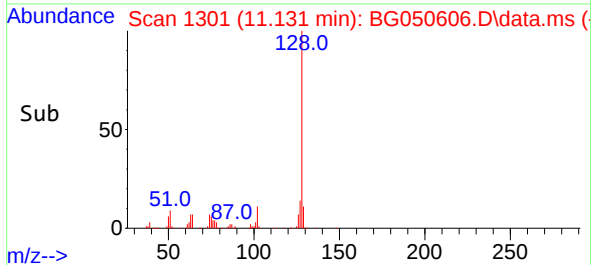
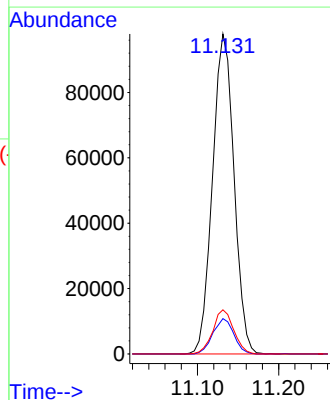
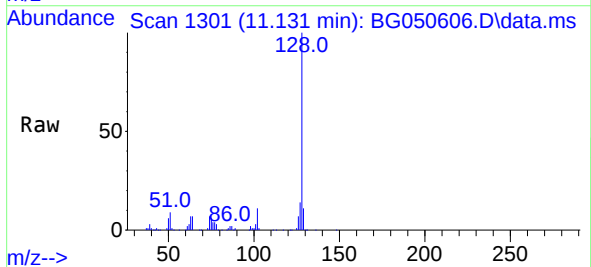
Instrument :  
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ClientSampleId :  
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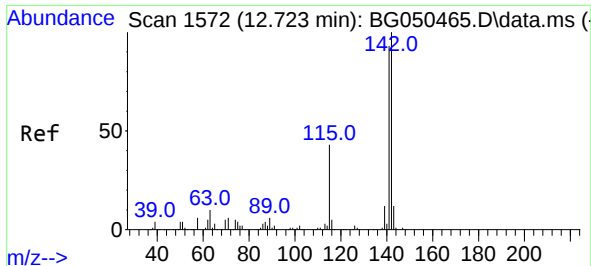
Tgt Ion: 82 Resp: 379562  
Ion Ratio Lower Upper  
82 100  
128 36.5 29.8 44.6  
54 51.6 45.8 68.8



#31  
Naphthalene  
Concen: 19.66 ng  
RT: 11.131 min Scan# 1301  
Delta R.T. -0.006 min  
Lab File: BG050606.D  
Acq: 15 Oct 2021 16:44

Tgt Ion: 128 Resp: 179706  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.5 12.7  
127 13.8 10.2 15.4

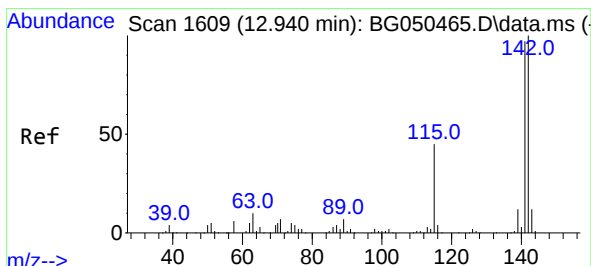
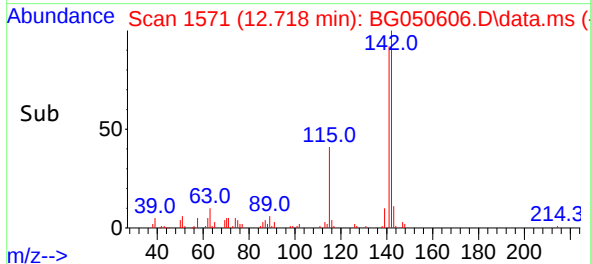
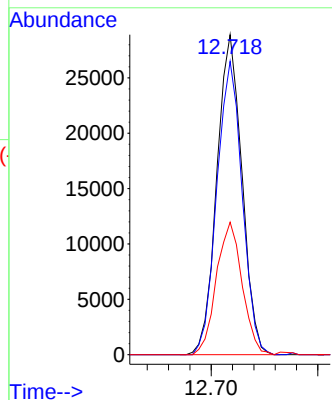
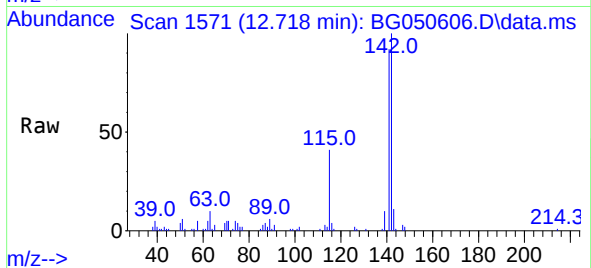




#37  
2-Methylnaphthalene  
Concen: 7.47 ng  
RT: 12.718 min Scan# 1571  
Delta R.T. -0.000 min  
Lab File: BG050606.D  
Acq: 15 Oct 2021 16:44

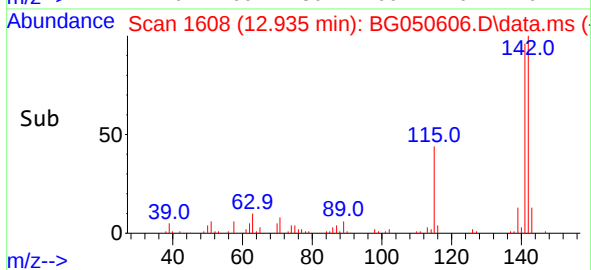
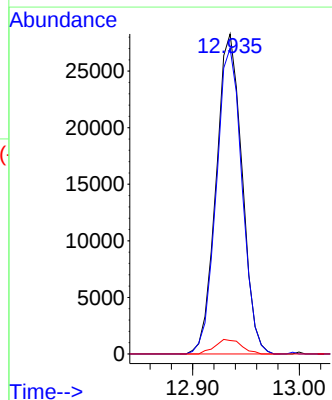
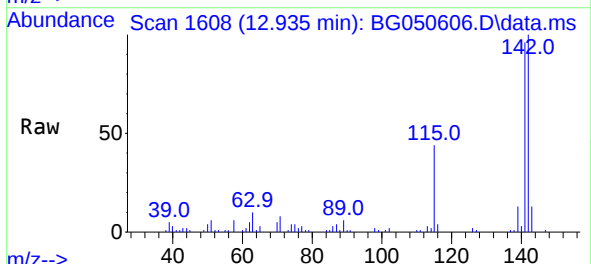
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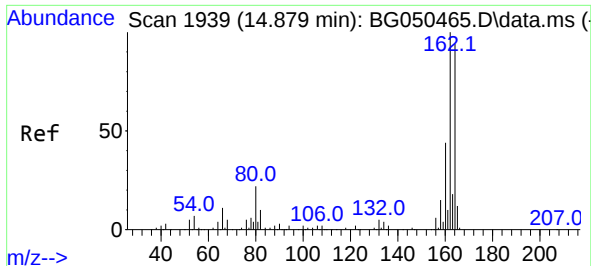
Tgt Ion:142 Resp: 47108  
Ion Ratio Lower Upper  
142 100  
141 91.6 68.8 103.2  
115 41.4 36.4 54.6



#38  
1-Methylnaphthalene  
Concen: 7.78 ng  
RT: 12.935 min Scan# 1608  
Delta R.T. -0.006 min  
Lab File: BG050606.D  
Acq: 15 Oct 2021 16:44

Tgt Ion:142 Resp: 47559  
Ion Ratio Lower Upper  
142 100  
141 95.6 70.6 106.0  
116 4.2 4.0 6.0

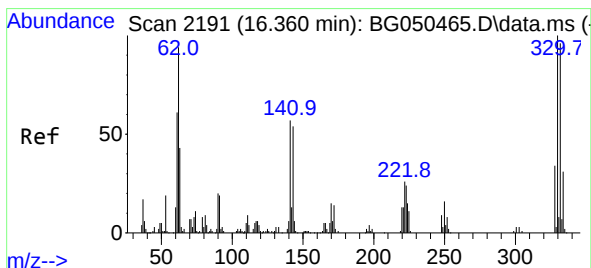
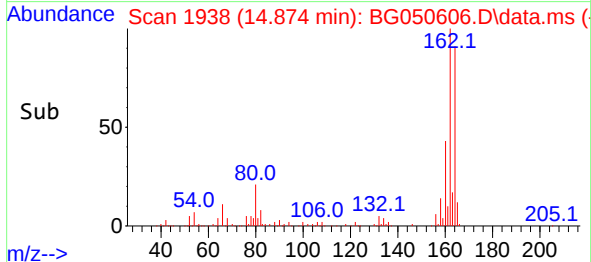
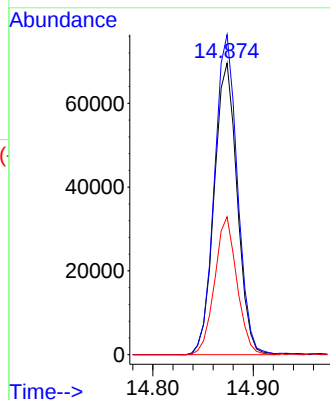
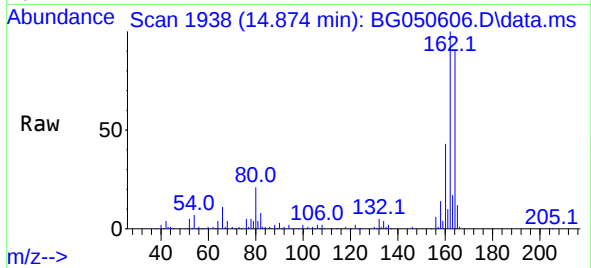




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.874 min Scan# 1938  
Delta R.T. -0.000 min  
Lab File: BG050606.D  
Acq: 15 Oct 2021 16:44

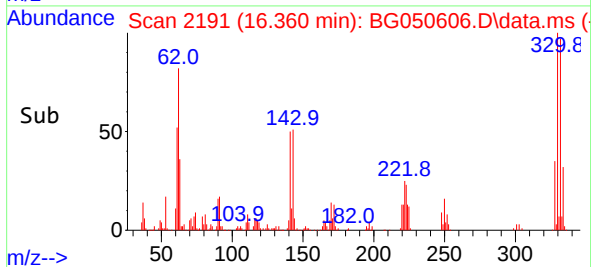
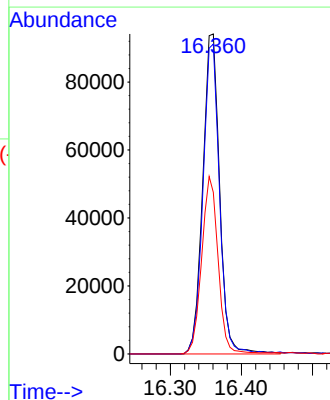
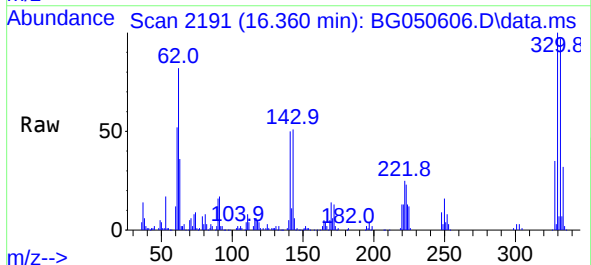
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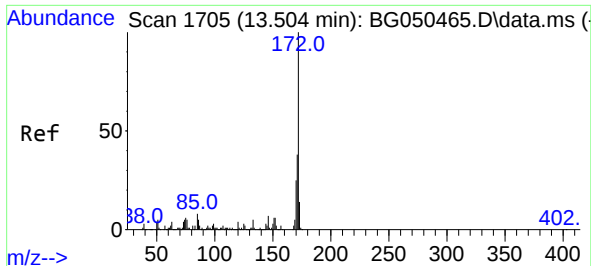
Tgt Ion:164 Resp: 110905  
Ion Ratio Lower Upper  
164 100  
162 109.8 81.4 122.0  
160 47.3 34.9 52.3



#42  
2,4,6-Tribromophenol  
Concen: 146.87 ng  
RT: 16.360 min Scan# 2191  
Delta R.T. -0.000 min  
Lab File: BG050606.D  
Acq: 15 Oct 2021 16:44

Tgt Ion:330 Resp: 155363  
Ion Ratio Lower Upper  
330 100  
332 94.7 77.3 115.9  
141 54.0 35.6 53.4#

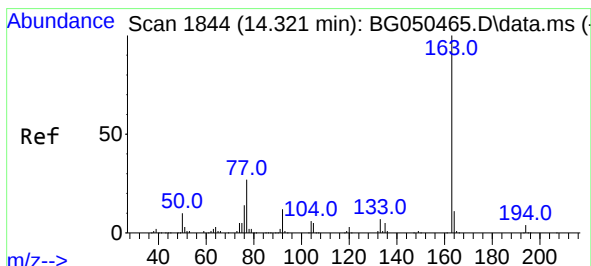
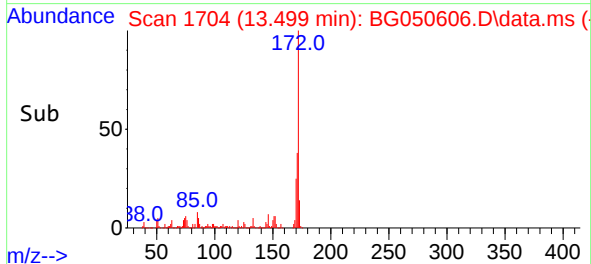
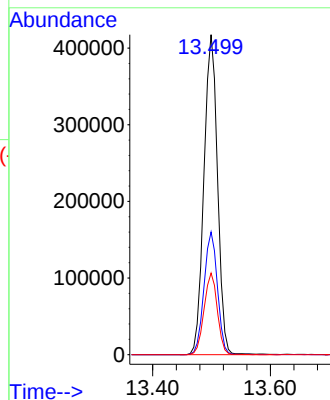
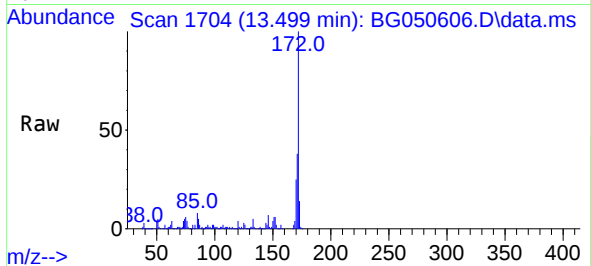




#45  
2-Fluorobiphenyl  
Concen: 90.95 ng  
RT: 13.499 min Scan# 1704  
Delta R.T. -0.006 min  
Lab File: BG050606.D  
Acq: 15 Oct 2021 16:44

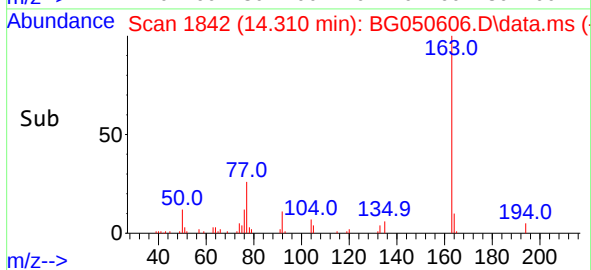
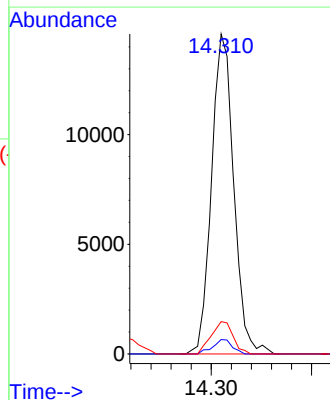
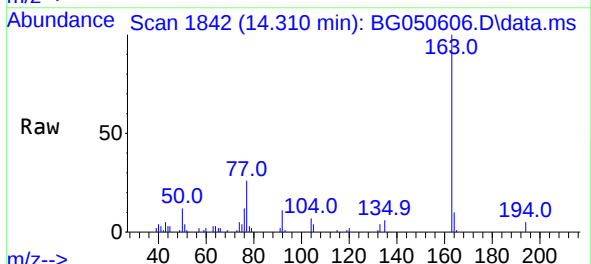
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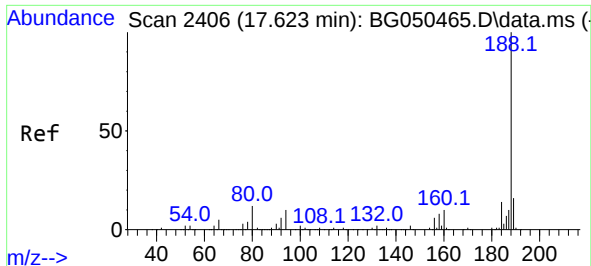
Tgt Ion:172 Resp: 670206  
Ion Ratio Lower Upper  
172 100  
171 38.4 28.6 43.0  
170 25.5 18.6 27.8



#50  
Dimethylphthalate  
Concen: 2.67 ng  
RT: 14.310 min Scan# 1842  
Delta R.T. -0.012 min  
Lab File: BG050606.D  
Acq: 15 Oct 2021 16:44

Tgt Ion:163 Resp: 22382  
Ion Ratio Lower Upper  
163 100  
194 4.5 3.0 4.6  
164 10.1 8.6 12.8

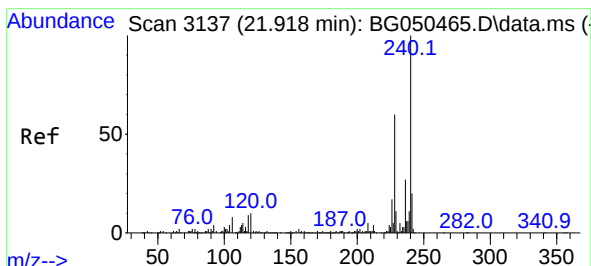
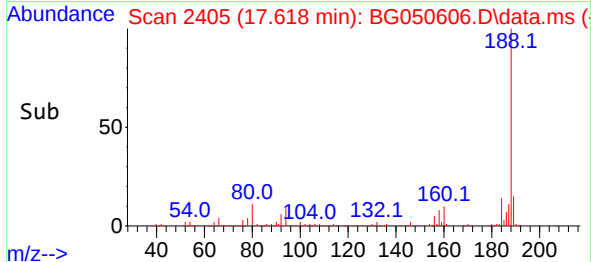
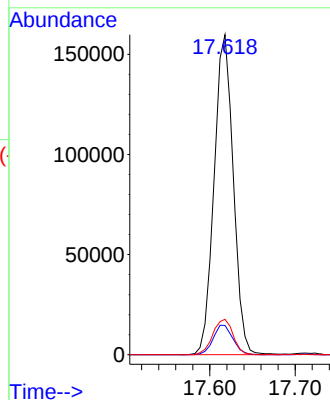
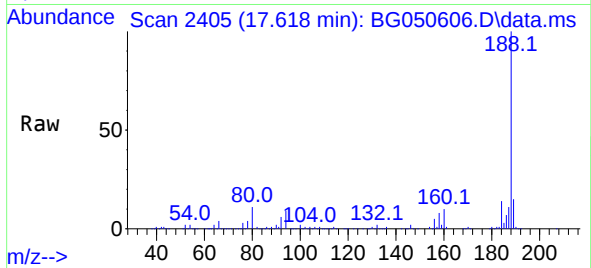




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.618 min Scan# 2405  
Delta R.T. -0.000 min  
Lab File: BG050606.D  
Acq: 15 Oct 2021 16:44

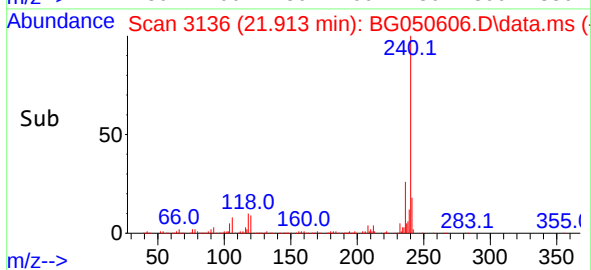
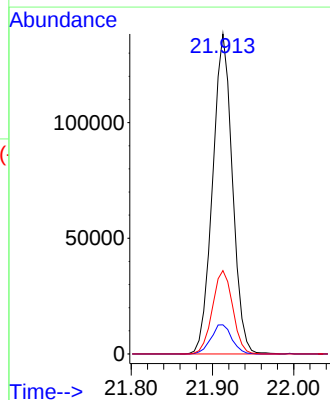
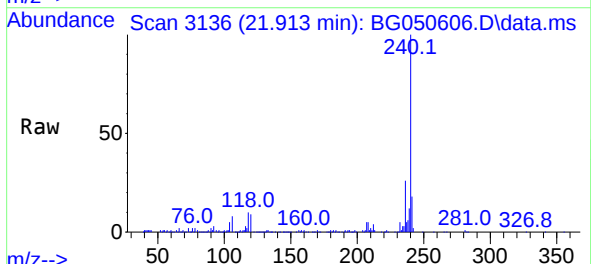
Instrument :  
BNA\_G  
ClientSampleId :  
HAR-SOILPILE

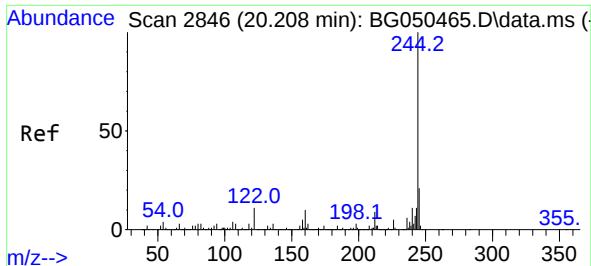
Tgt Ion:188 Resp: 250026  
Ion Ratio Lower Upper  
188 100  
94 9.2 5.4 8.0#  
80 11.0 3.7 5.5#



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.913 min Scan# 3136  
Delta R.T. -0.012 min  
Lab File: BG050606.D  
Acq: 15 Oct 2021 16:44

Tgt Ion:240 Resp: 234016  
Ion Ratio Lower Upper  
240 100  
120 9.1 4.2 6.2#  
236 26.1 21.8 32.6

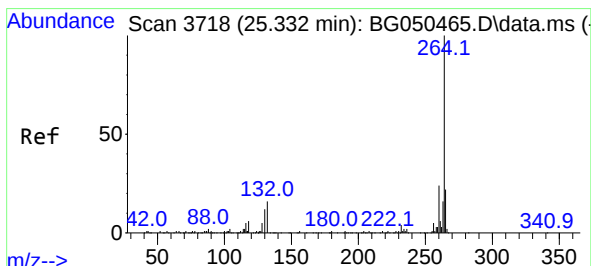
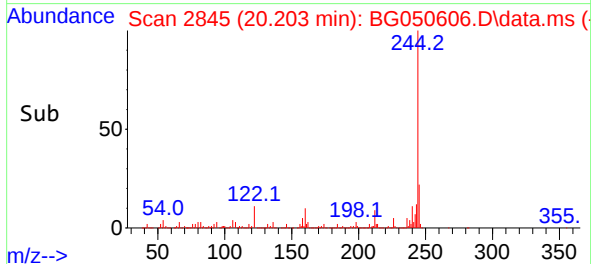
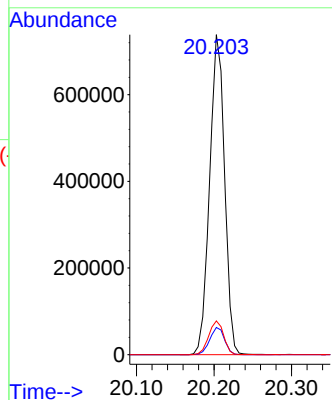
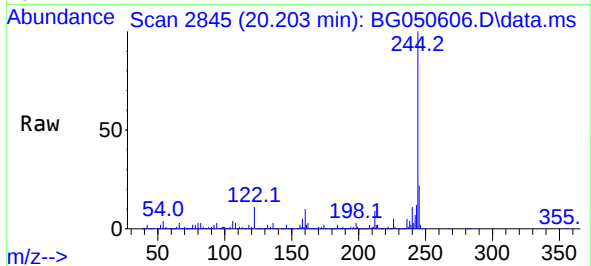




#79  
Terphenyl-d14  
Concen: 82.34 ng  
RT: 20.203 min Scan# 2845  
Delta R.T. -0.006 min  
Lab File: BG050606.D  
Acq: 15 Oct 2021 16:44

Instrument :  
BNA\_G  
ClientSampleId :  
HAR-SOILPILE

Tgt Ion:244 Resp: 988783  
Ion Ratio Lower Upper  
244 100  
212 8.5 6.9 10.3  
122 10.5 5.0 7.6#



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.326 min Scan# 3717  
Delta R.T. -0.006 min  
Lab File: BG050606.D  
Acq: 15 Oct 2021 16:44

Tgt Ion:264 Resp: 227507  
Ion Ratio Lower Upper  
264 100  
260 24.6 19.4 29.2  
265 21.6 16.9 25.3

