

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102722\  
 Data File : BG055333.D  
 Acq On : 27 Oct 2022 21:28  
 Operator : CG/JU  
 Sample : N5283-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 IRV-SOIL-1025

Quant Time: Oct 28 05:35:34 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG102422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 24 16:54:05 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.270  | 152  | 34980    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.102 | 136  | 151536   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.885 | 164  | 103594   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.618 | 188  | 221235   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.895 | 240  | 205377   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 25.303 | 264  | 218258   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.796  | 112  | 213166   | 106.703 | ng    | 0.00     |
| 7) Phenol-d6                | 7.418  | 99   | 288768   | 99.772  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.445  | 82   | 183240   | 61.747  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.366 | 330  | 138772   | 123.226 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.511 | 172  | 418259   | 66.084  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.191 | 244  | 646728   | 65.426  | ng    | 0.00     |

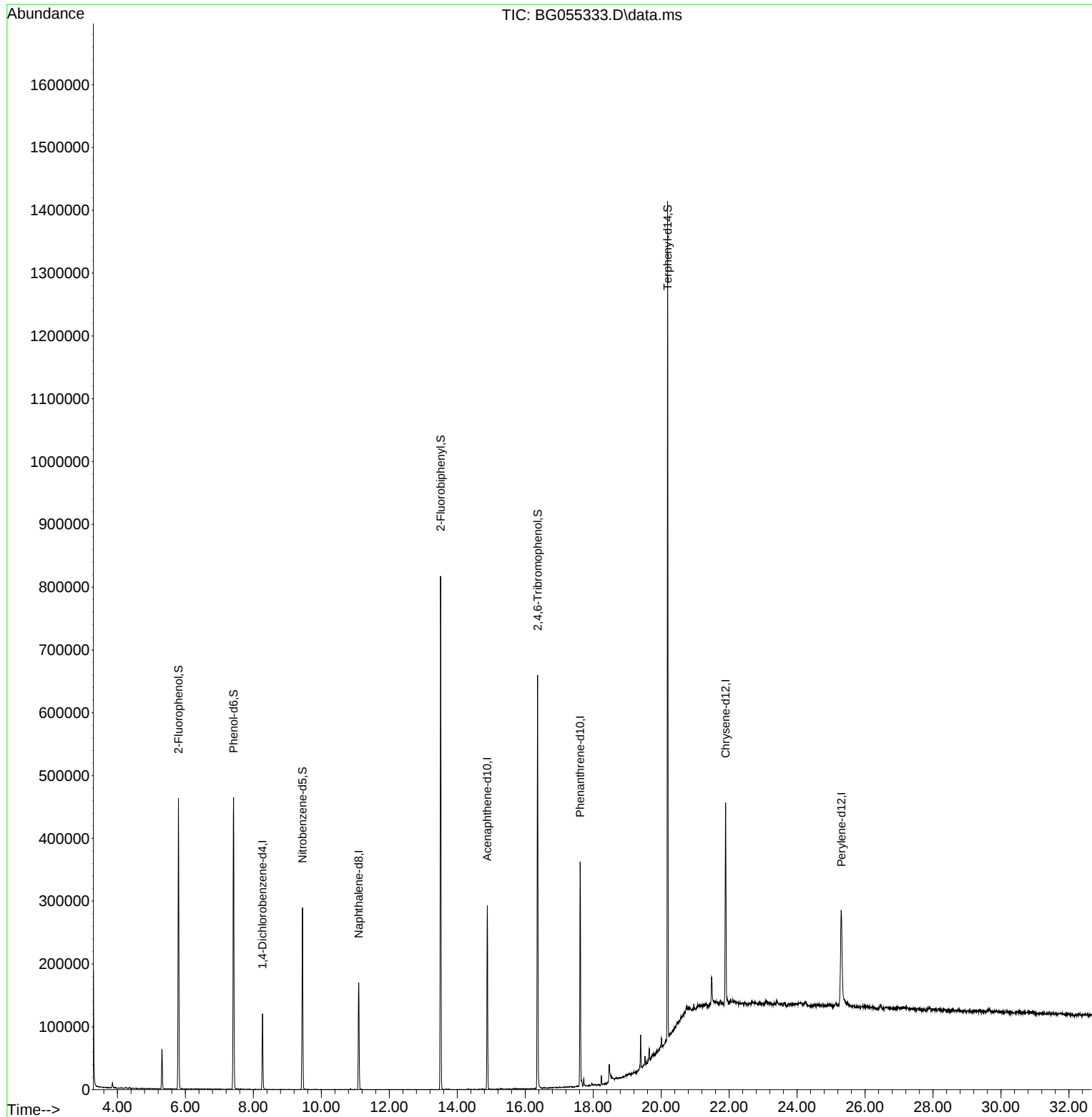
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

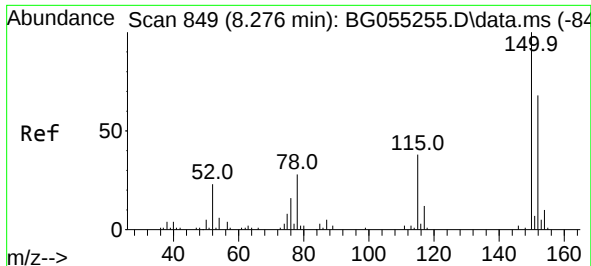
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 24 16:54:05 2022  
Response via : Initial Calibration

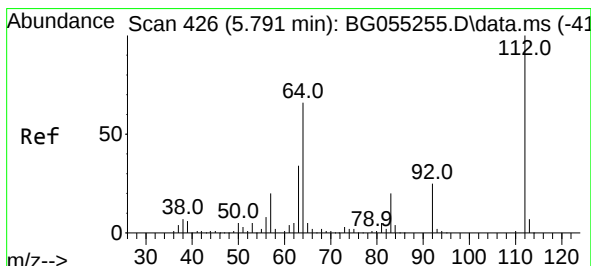
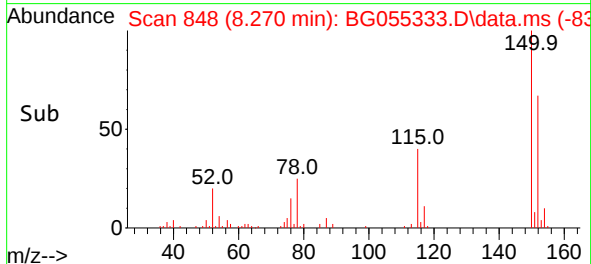
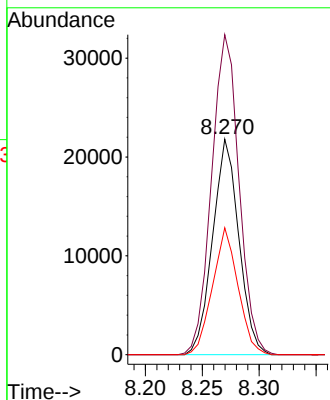
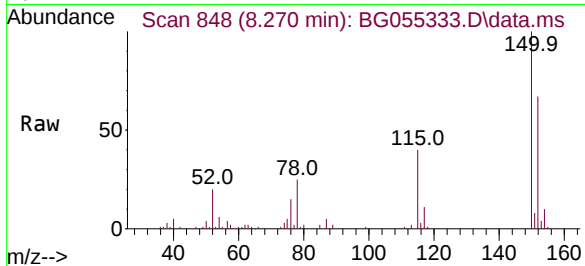




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.270 min Scan# 84  
 Delta R.T. -0.006 min  
 Lab File: BG055333.D  
 Acq: 27 Oct 2022 21:28

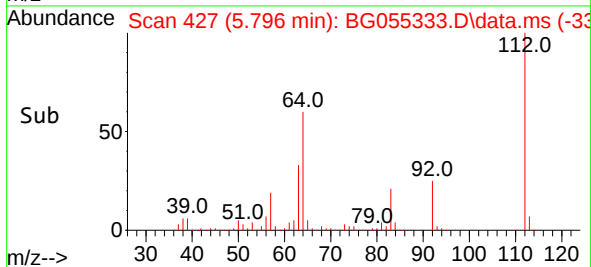
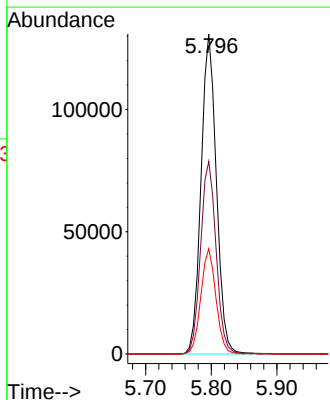
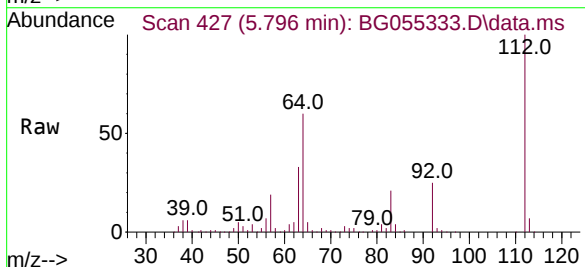
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 ClientSampleId :  
 IRV-SOIL-1025

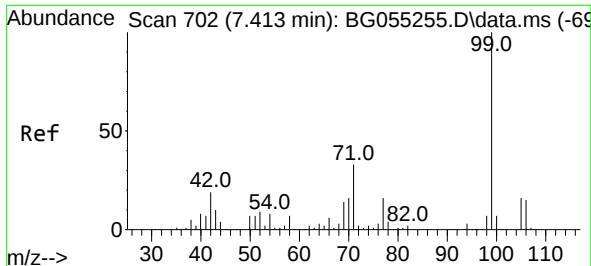
Tgt Ion:152 Resp: 34980  
 Ion Ratio Lower Upper  
 152 100  
 150 148.5 118.2 177.4  
 115 58.9 44.5 66.7



#5  
 2-Fluorophenol  
 Concen: 106.703 ng  
 RT: 5.796 min Scan# 427  
 Delta R.T. 0.005 min  
 Lab File: BG055333.D  
 Acq: 27 Oct 2022 21:28

Tgt Ion:112 Resp: 213166  
 Ion Ratio Lower Upper  
 112 100  
 64 60.2 52.6 78.8  
 63 32.9 27.1 40.7

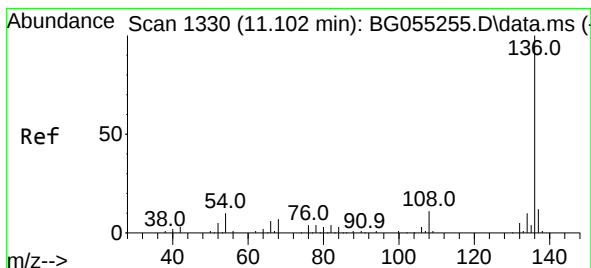
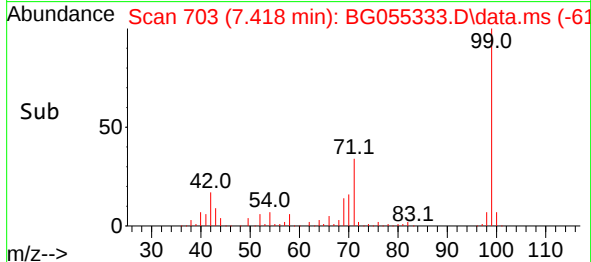
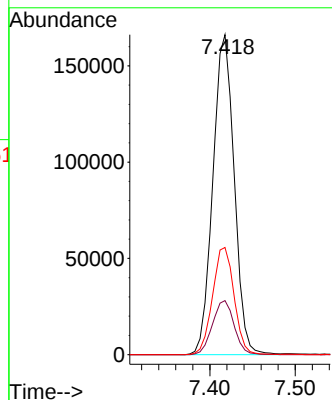
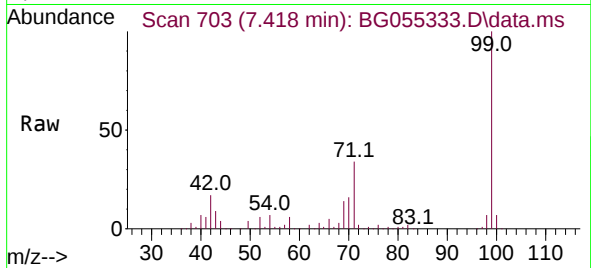




#7  
Phenol-d6  
Concen: 99.772 ng  
RT: 7.418 min Scan# 702  
Delta R.T. 0.005 min  
Lab File: BG055333.D  
Acq: 27 Oct 2022 21:28

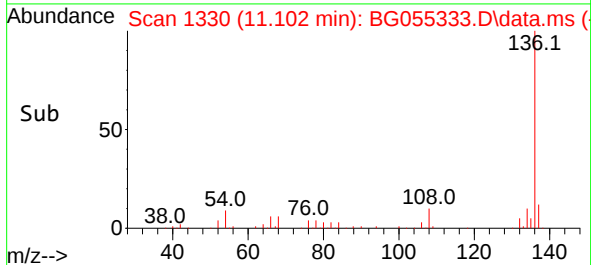
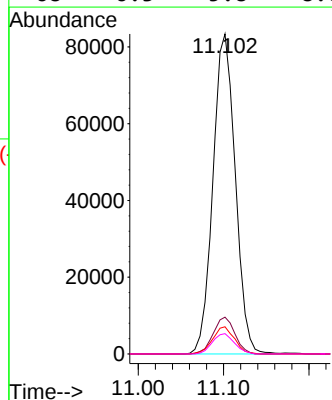
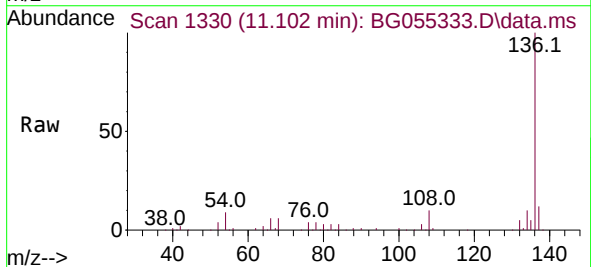
Instrument :  
BNA\_G  
ClientSampleId :  
IRV-SOIL-1025

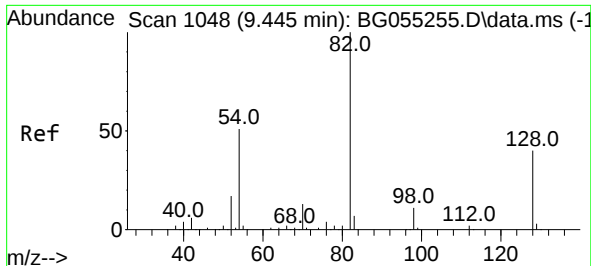
Tgt Ion: 99 Resp: 288768  
Ion Ratio Lower Upper  
99 100  
42 16.9 15.2 22.8  
71 33.5 26.2 39.4



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.102 min Scan# 1330  
Delta R.T. -0.000 min  
Lab File: BG055333.D  
Acq: 27 Oct 2022 21:28

Tgt Ion: 136 Resp: 151536  
Ion Ratio Lower Upper  
136 100  
137 11.5 9.2 13.8  
54 8.5 7.8 11.8  
68 6.3 5.8 8.6

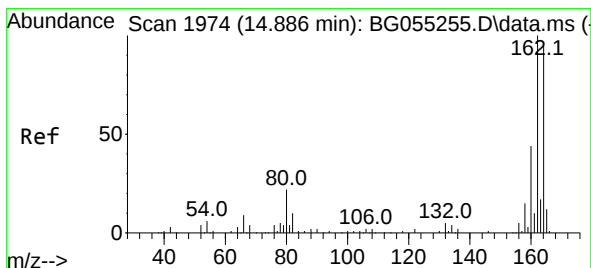
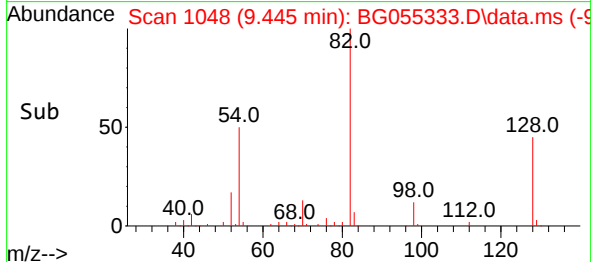
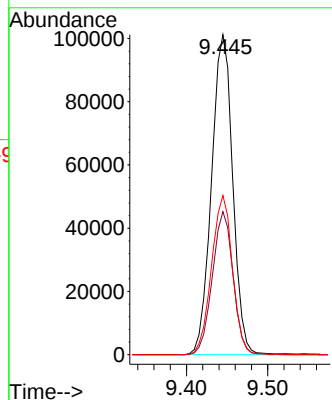
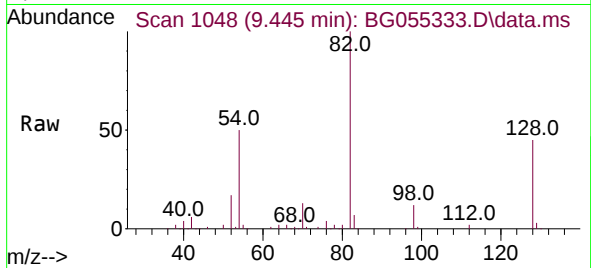




#23  
Nitrobenzene-d5  
Concen: 61.747 ng  
RT: 9.445 min Scan# 1048  
Delta R.T. -0.001 min  
Lab File: BG055333.D  
Acq: 27 Oct 2022 21:28

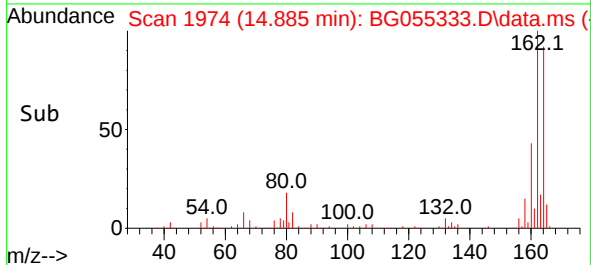
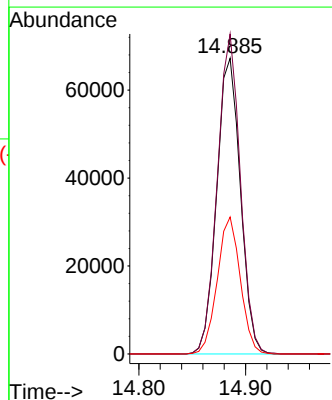
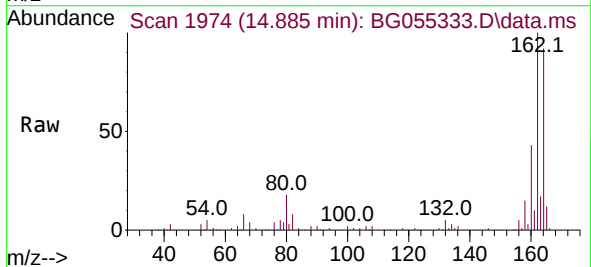
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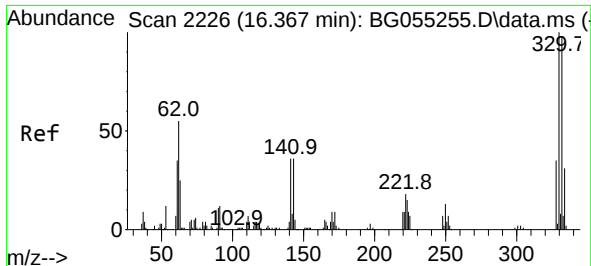
Tgt Ion: 82 Resp: 183240  
Ion Ratio Lower Upper  
82 100  
128 44.7 32.0 48.0  
54 49.8 40.9 61.3



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.885 min Scan# 1974  
Delta R.T. -0.001 min  
Lab File: BG055333.D  
Acq: 27 Oct 2022 21:28

Tgt Ion:164 Resp: 103594  
Ion Ratio Lower Upper  
164 100  
162 108.2 84.0 126.0  
160 46.3 36.7 55.1

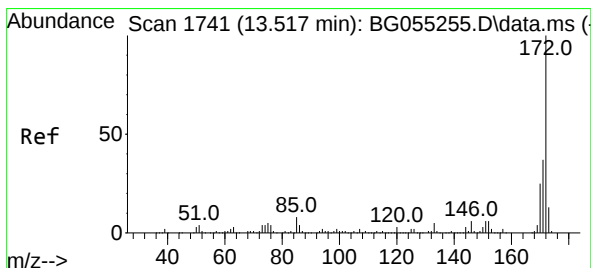
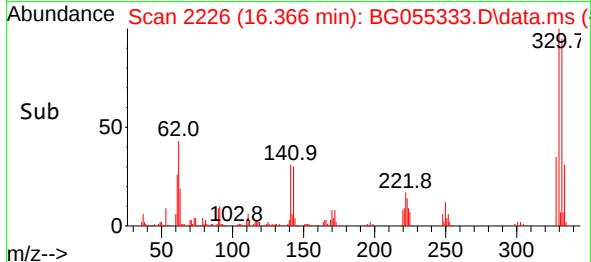
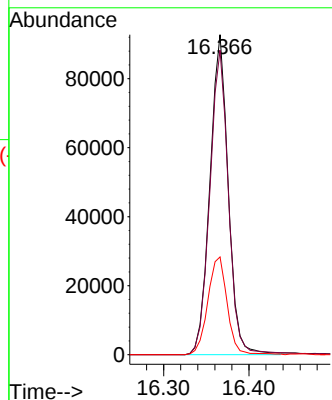
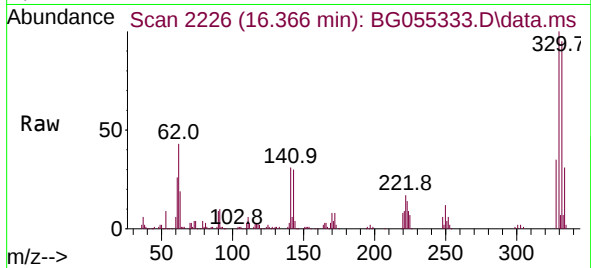




#42  
2,4,6-Tribromophenol  
Concen: 123.226 ng  
RT: 16.366 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BG055333.D  
Acq: 27 Oct 2022 21:28

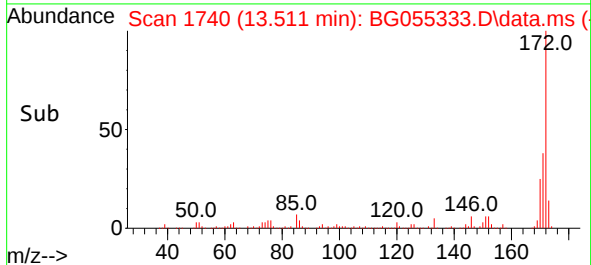
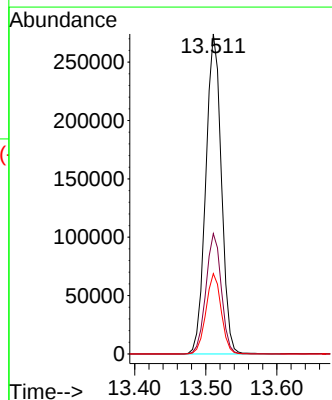
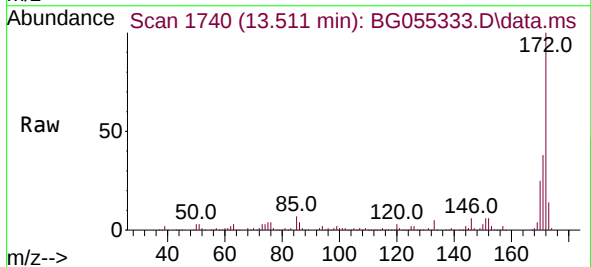
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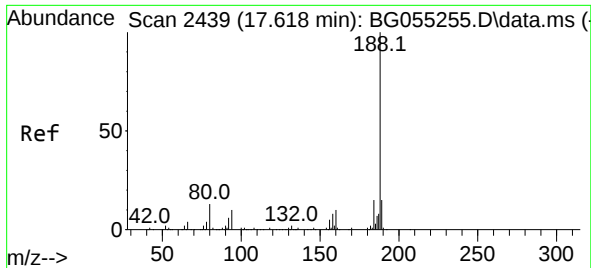
Tgt Ion:330 Resp: 138772  
Ion Ratio Lower Upper  
330 100  
332 97.5 77.4 116.0  
141 32.3 29.8 44.8



#45  
2-Fluorobiphenyl  
Concen: 66.084 ng  
RT: 13.511 min Scan# 1740  
Delta R.T. -0.007 min  
Lab File: BG055333.D  
Acq: 27 Oct 2022 21:28

Tgt Ion:172 Resp: 418259  
Ion Ratio Lower Upper  
172 100  
171 37.6 29.7 44.5  
170 25.1 20.2 30.2

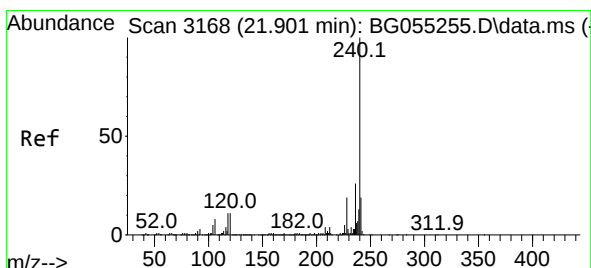
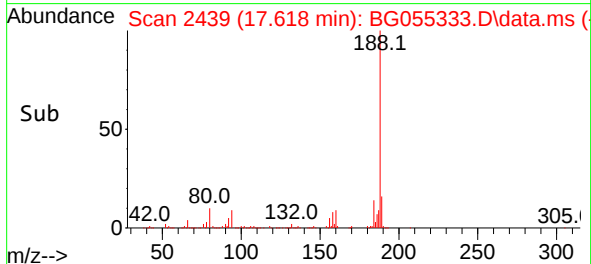
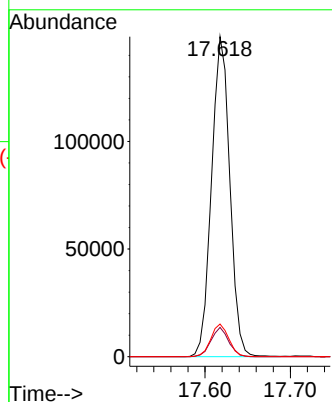
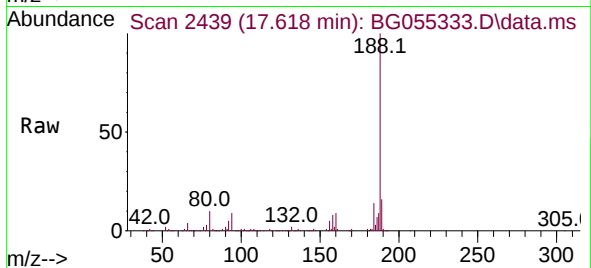




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.618 min Scan# 2439  
Delta R.T. -0.000 min  
Lab File: BG055333.D  
Acq: 27 Oct 2022 21:28

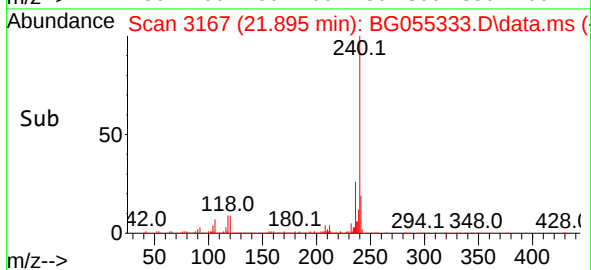
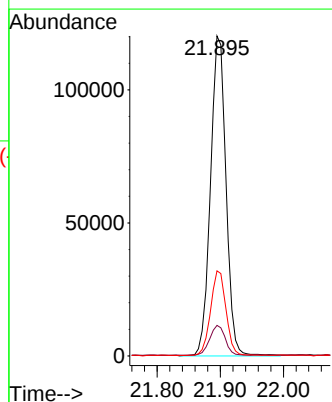
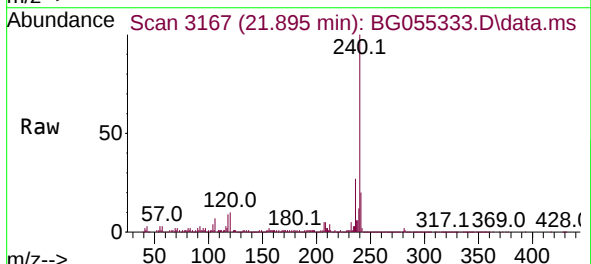
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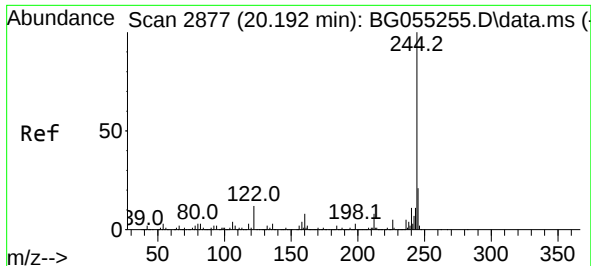
Tgt Ion:188 Resp: 221235  
Ion Ratio Lower Upper  
188 100  
94 9.2 8.2 12.4  
80 10.2 10.1 15.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.895 min Scan# 3167  
Delta R.T. -0.007 min  
Lab File: BG055333.D  
Acq: 27 Oct 2022 21:28

Tgt Ion:240 Resp: 205377  
Ion Ratio Lower Upper  
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120 9.6 8.9 13.3  
236 26.6 21.0 31.4

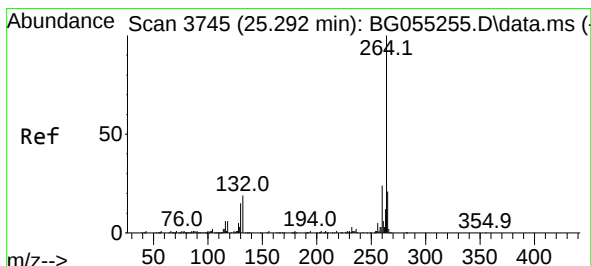
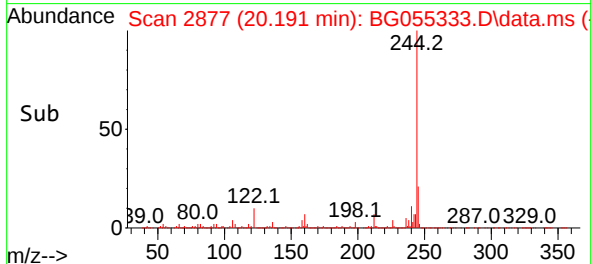
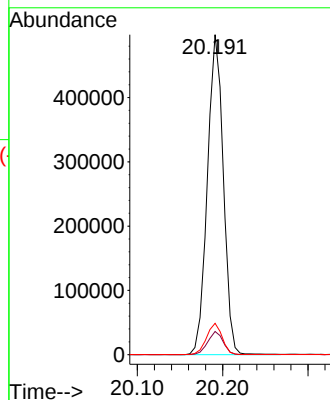
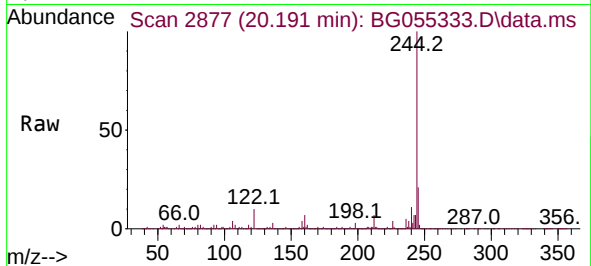




#79  
 Terphenyl-d14  
 Concen: 65.426 ng  
 RT: 20.191 min Scan# 21  
 Delta R.T. -0.001 min  
 Lab File: BG055333.D  
 Acq: 27 Oct 2022 21:28

Instrument :  
 BNA\_G  
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 IRV-SOIL-1025

Tgt Ion:244 Resp: 646728  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 6.0 9.0  
 122 9.8 9.6 14.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.303 min Scan# 3747  
 Delta R.T. 0.011 min  
 Lab File: BG055333.D  
 Acq: 27 Oct 2022 21:28

Tgt Ion:264 Resp: 218258  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.5 29.3  
 265 22.1 17.4 26.2

