

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091422\  
 Data File : BG054944.D  
 Acq On : 14 Sep 2022 15:19  
 Operator : CG/JU  
 Sample : N4588-02  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 40152

Quant Time: Sep 15 03:20:19 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG082522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 15 03:14:10 2022  
 Response via : Initial Calibration

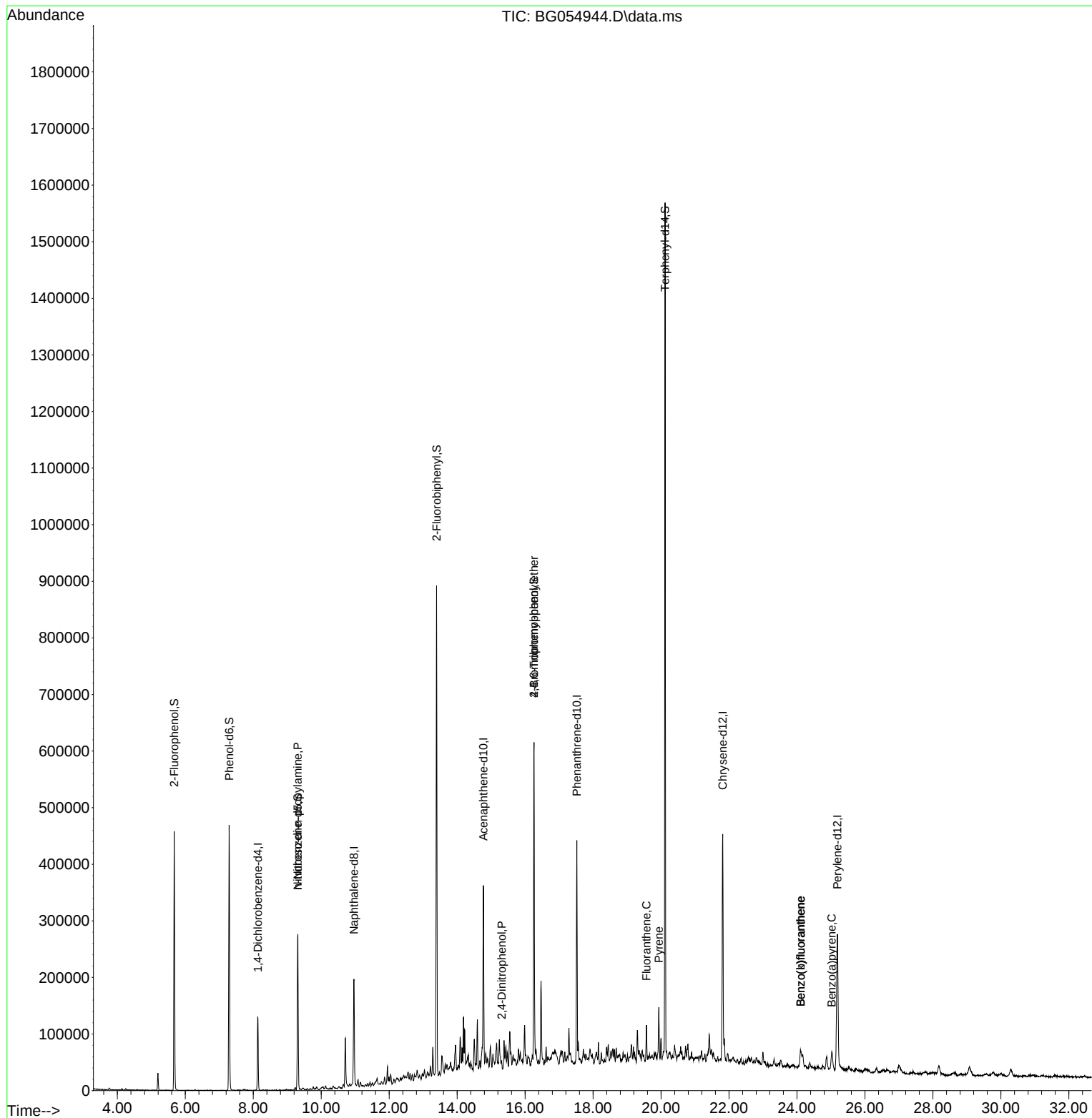
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.131  | 152  | 41814    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.963 | 136  | 173727   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.770 | 164  | 119391   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.520 | 188  | 255358   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.815 | 240  | 254363   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 25.187 | 264  | 271255   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.675  | 112  | 226928   | 94.505 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.290  | 99   | 317195   | 96.592 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.312  | 82   | 180070   | 54.413 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.262 | 330  | 137570   | 92.213 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.395 | 172  | 479881   | 60.412 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.117 | 244  | 772668   | 60.188 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.312  | 70   | 22735    | 10.068 | ng    | # 73     |
| 54) 2,4-Dinitrophenol         | 15.316 | 184  | 552      | 7.176  | ng    | # 24     |
| 67) 4-Bromophenyl-phenylether | 16.262 | 248  | 8429     | 3.006  | ng    | # 1      |
| 75) Fluoranthene              | 19.570 | 202  | 37764    | 2.282  | ng    | 97       |
| 78) Pyrene                    | 19.934 | 202  | 46533    | 2.624  | ng    | 94       |
| 88) Benzo(b)fluoranthene      | 24.106 | 252  | 43278    | 2.543  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.106 | 252  | 43278    | 2.527  | ng    | 99       |
| 90) Benzo(a)pyrene            | 25.023 | 252  | 29901    | 2.057  | ng    | 96       |
| -----                         |        |      |          |        |       |          |

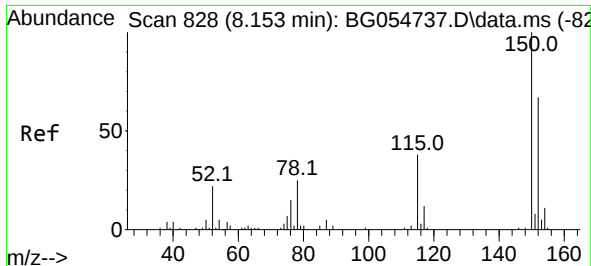
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 15 03:14:10 2022  
Response via : Initial Calibration

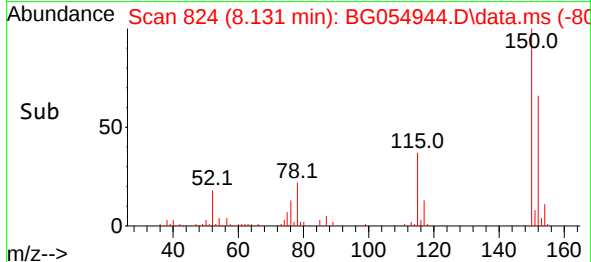
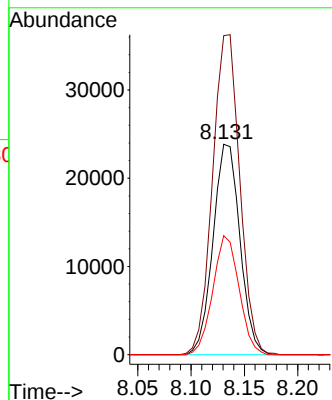
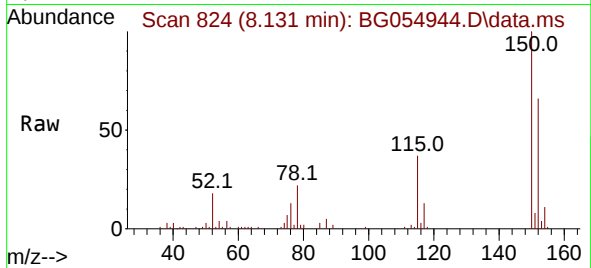




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.131 min Scan# 81  
Delta R.T. -0.004 min  
Lab File: BG054944.D  
Acq: 14 Sep 2022 15:19

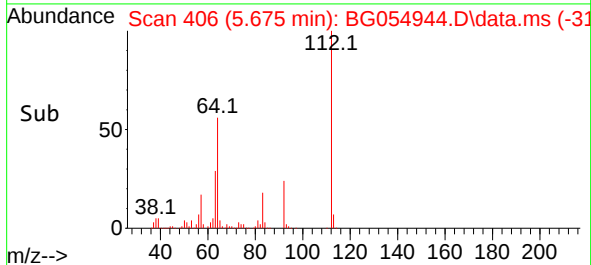
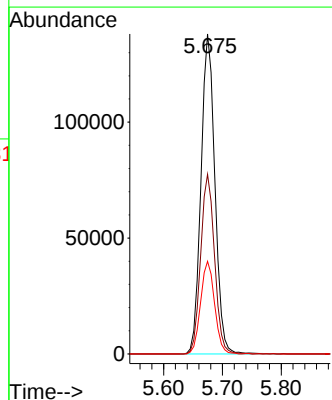
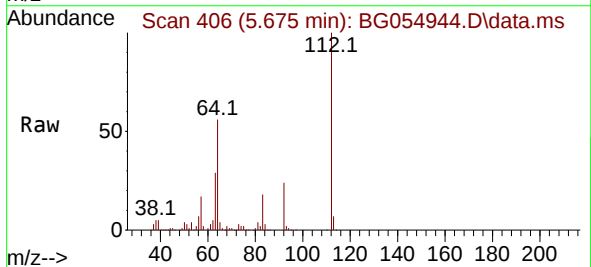
Instrument :  
BNA\_G  
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Tgt Ion:152 Resp: 41814  
Ion Ratio Lower Upper  
152 100  
150 151.6 125.2 187.8  
115 56.5 47.9 71.9



#5  
2-Fluorophenol  
Concen: 94.505 ng  
RT: 5.675 min Scan# 406  
Delta R.T. 0.002 min  
Lab File: BG054944.D  
Acq: 14 Sep 2022 15:19

Tgt Ion:112 Resp: 226928  
Ion Ratio Lower Upper  
112 100  
64 56.1 49.3 73.9  
63 29.0 26.3 39.5

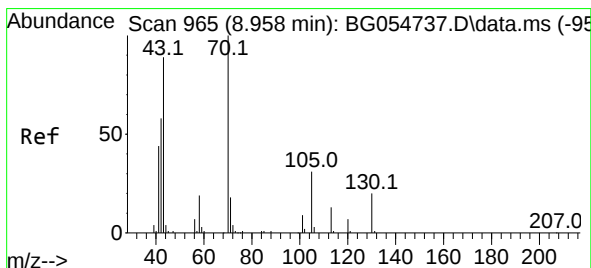
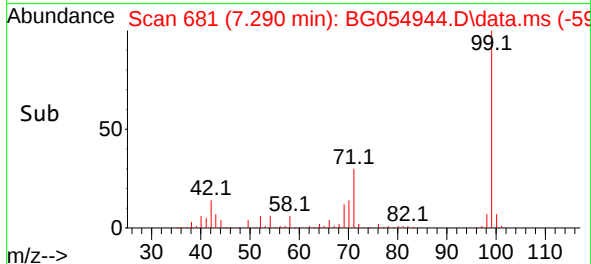
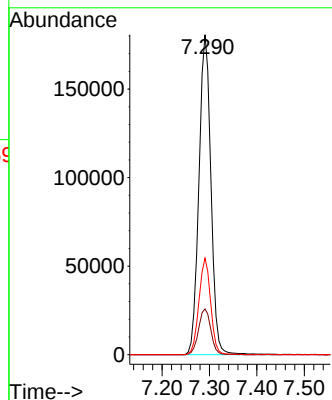
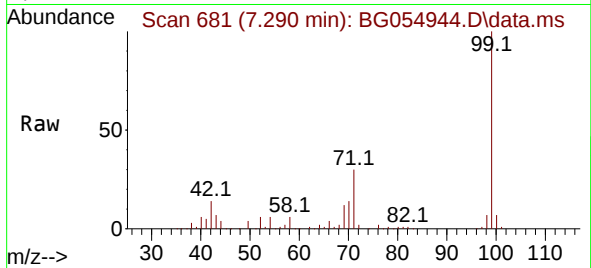




#7  
Phenol-d6  
Concen: 96.592 ng  
RT: 7.290 min Scan# 61  
Delta R.T. 0.002 min  
Lab File: BG054944.D  
Acq: 14 Sep 2022 15:19

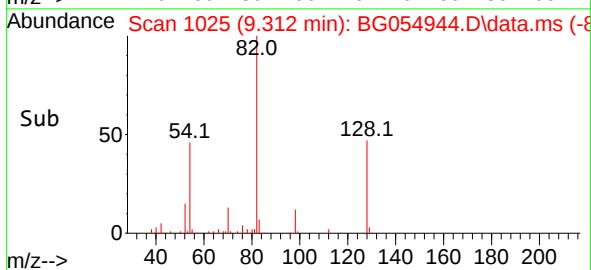
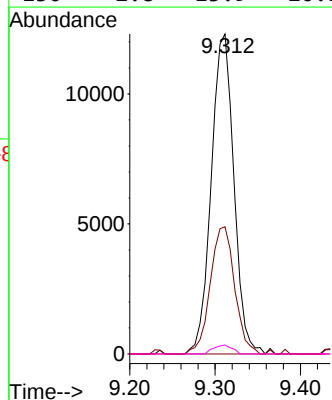
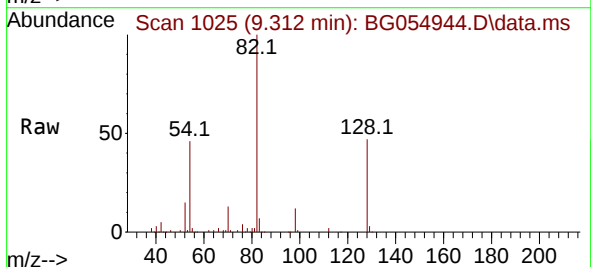
Instrument :  
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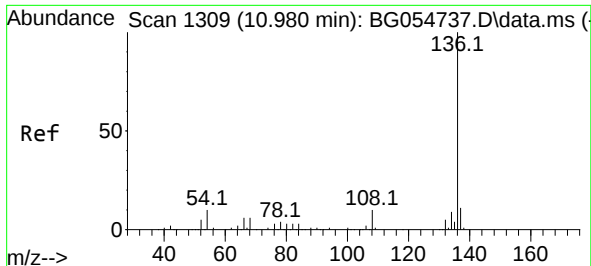
Tgt Ion: 99 Resp: 317195  
Ion Ratio Lower Upper  
99 100  
42 14.3 14.6 22.0#  
71 30.2 24.6 37.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 10.068 ng  
RT: 9.312 min Scan# 1025  
Delta R.T. 0.372 min  
Lab File: BG054944.D  
Acq: 14 Sep 2022 15:19

Tgt Ion: 70 Resp: 22735  
Ion Ratio Lower Upper  
70 100  
42 39.8 46.6 69.8#  
101 0.0 7.7 11.5#  
130 2.8 13.9 20.9#

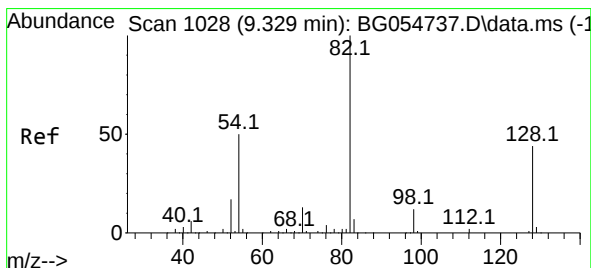
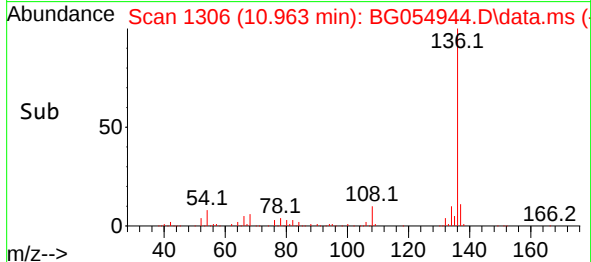
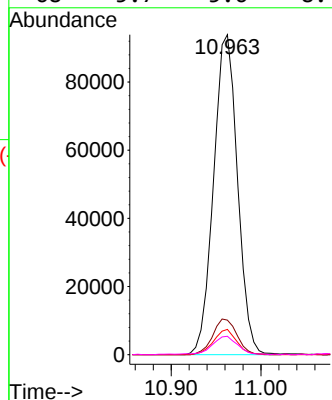
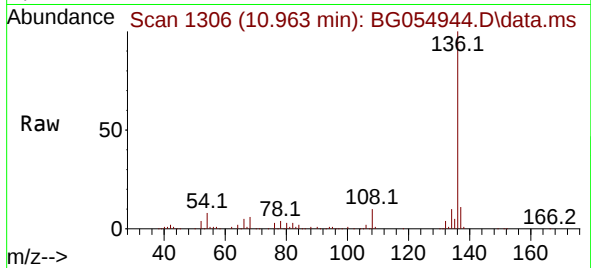




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.963 min Scan# 11  
Delta R.T. 0.002 min  
Lab File: BG054944.D  
Acq: 14 Sep 2022 15:19

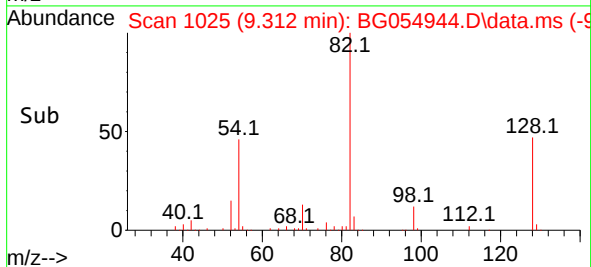
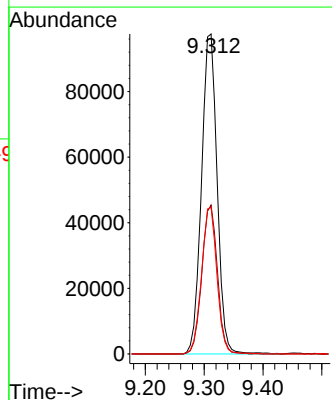
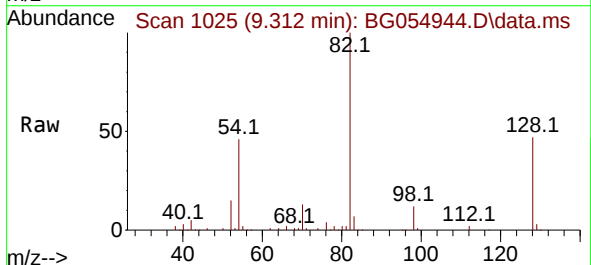
Instrument :  
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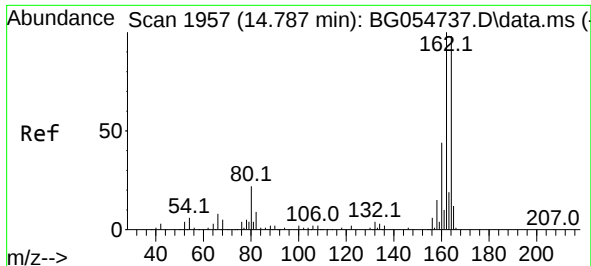
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 173727 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 9.2   | 13.8   |
| 54       | 7.9   | 7.7   | 11.5   |
| 68       | 5.7   | 5.6   | 8.4    |



#23  
Nitrobenzene-d5  
Concen: 54.413 ng  
RT: 9.312 min Scan# 1025  
Delta R.T. 0.002 min  
Lab File: BG054944.D  
Acq: 14 Sep 2022 15:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 180070 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 46.6  | 32.2  | 48.2   |
| 54       | 45.8  | 41.4  | 62.0   |

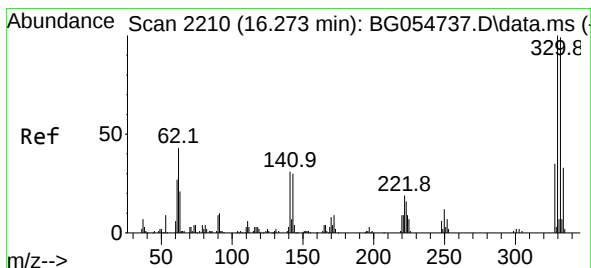
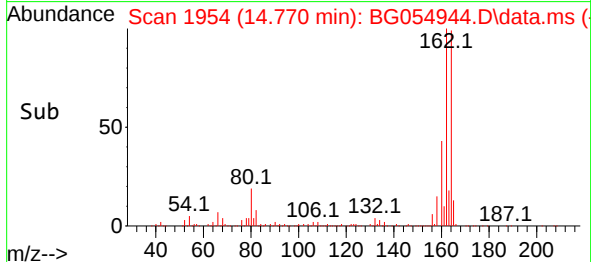
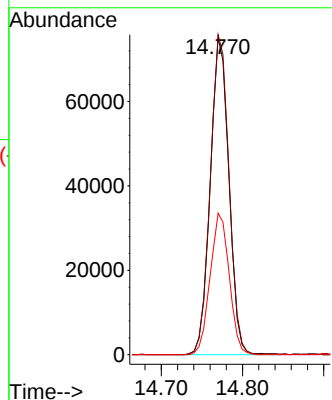
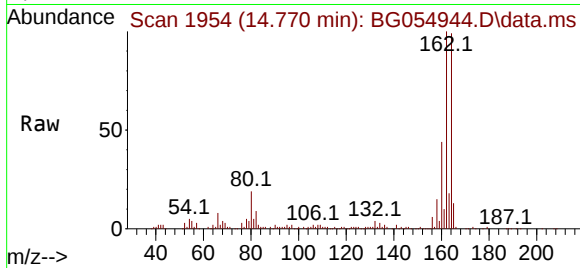




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.770 min Scan# 1954  
Delta R.T. -0.004 min  
Lab File: BG054944.D  
Acq: 14 Sep 2022 15:19

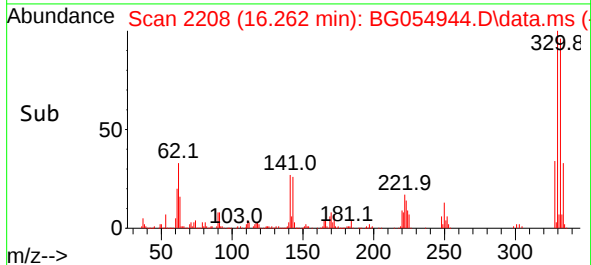
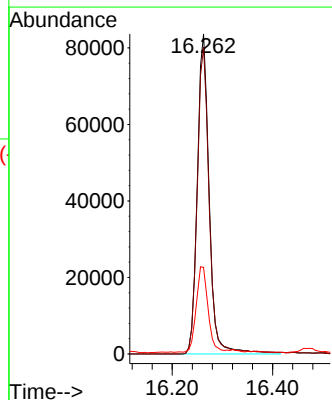
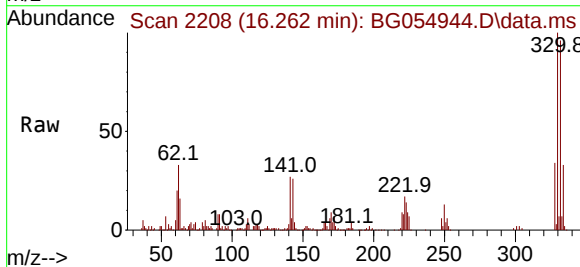
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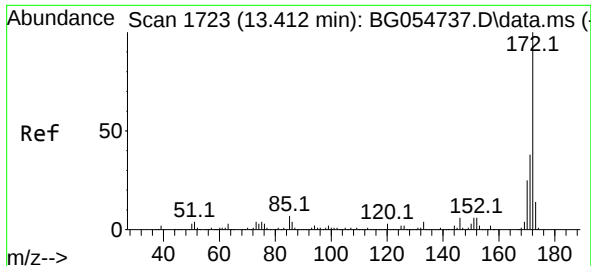
Tgt Ion:164 Resp: 119391  
Ion Ratio Lower Upper  
164 100  
162 100.9 83.0 124.4  
160 44.6 38.0 57.0



#42  
2,4,6-Tribromophenol  
Concen: 92.213 ng  
RT: 16.262 min Scan# 2208  
Delta R.T. 0.002 min  
Lab File: BG054944.D  
Acq: 14 Sep 2022 15:19

Tgt Ion:330 Resp: 137570  
Ion Ratio Lower Upper  
330 100  
332 96.5 79.8 119.6  
141 26.2 26.8 40.2#

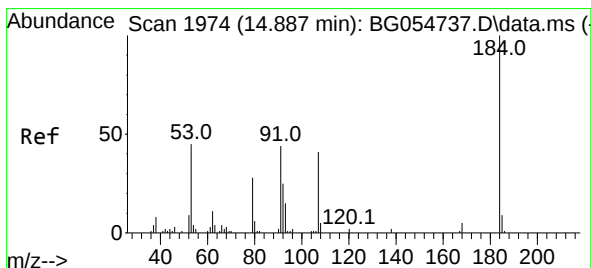
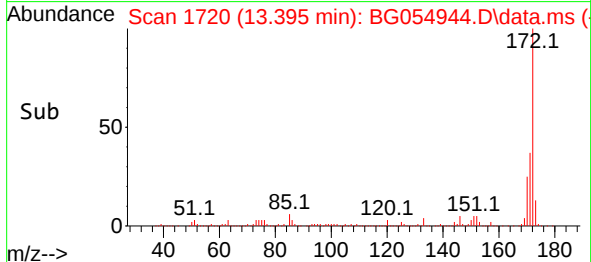
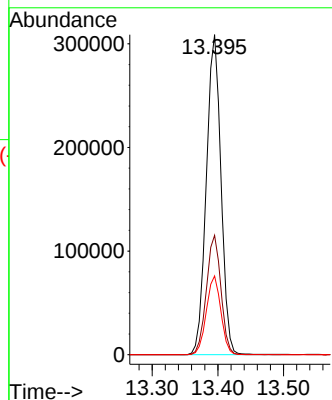
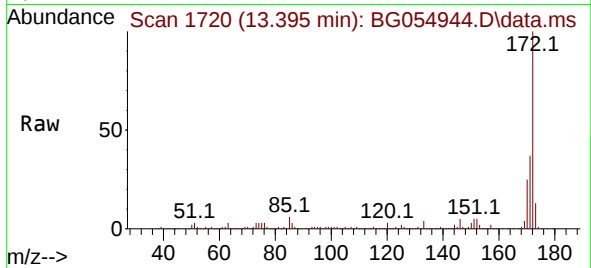




#45  
2-Fluorobiphenyl  
Concen: 60.412 ng  
RT: 13.395 min Scan# 1  
Delta R.T. 0.002 min  
Lab File: BG054944.D  
Acq: 14 Sep 2022 15:19

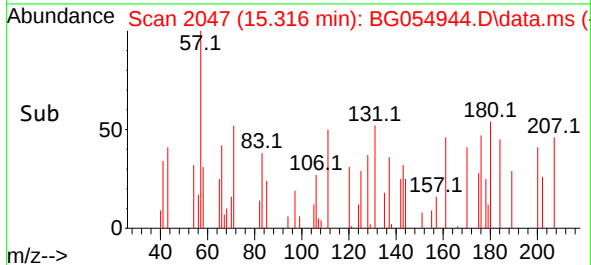
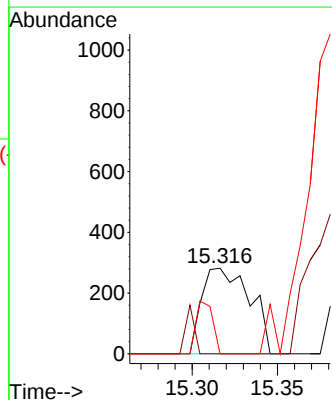
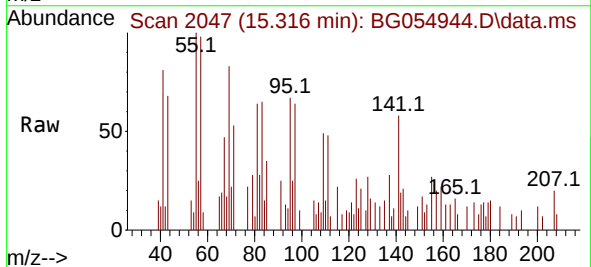
Instrument :  
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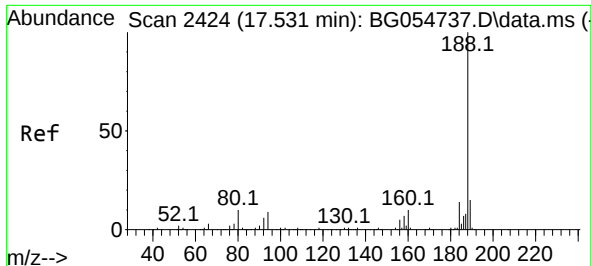
Tgt Ion:172 Resp: 479881  
Ion Ratio Lower Upper  
172 100  
171 37.3 31.2 46.8  
170 24.6 20.6 30.8



#54  
2,4-Dinitrophenol  
Concen: 7.176 ng  
RT: 15.316 min Scan# 2047  
Delta R.T. 0.419 min  
Lab File: BG054944.D  
Acq: 14 Sep 2022 15:19

Tgt Ion:184 Resp: 552  
Ion Ratio Lower Upper  
184 100  
63 0.0 41.8 62.8#  
154 0.0 45.2 67.8#

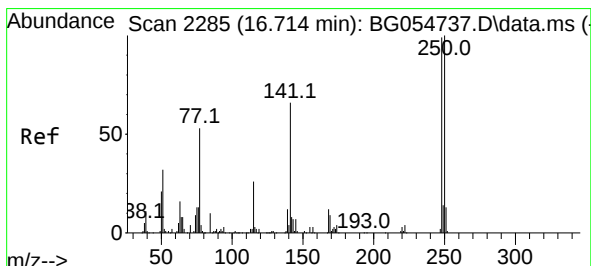
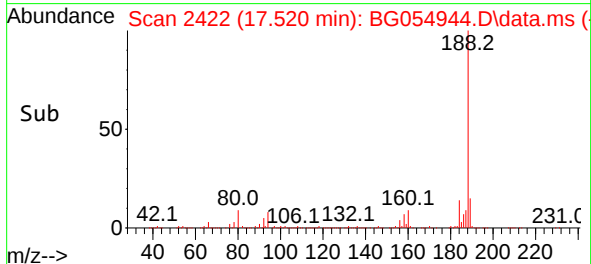
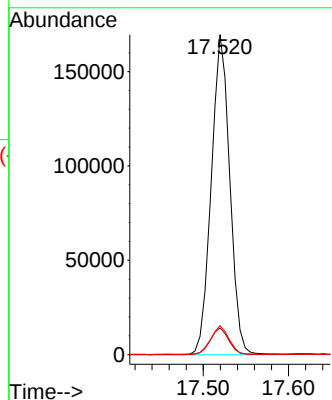
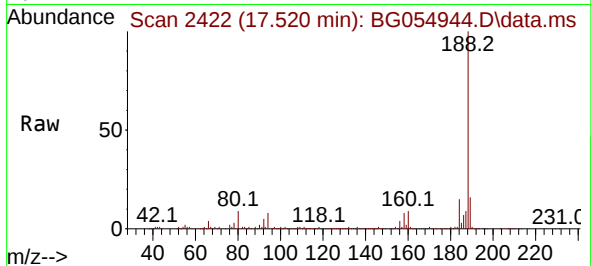




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.520 min Scan# 24  
Delta R.T. -0.004 min  
Lab File: BG054944.D  
Acq: 14 Sep 2022 15:19

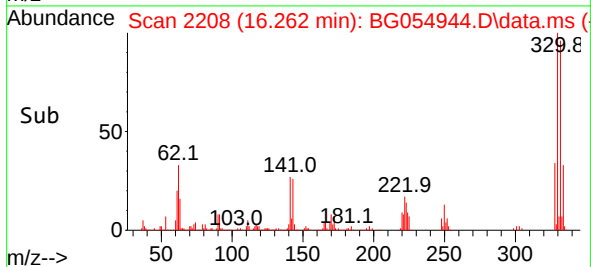
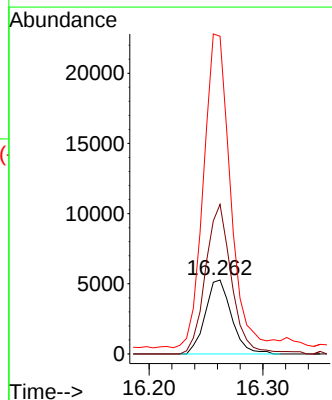
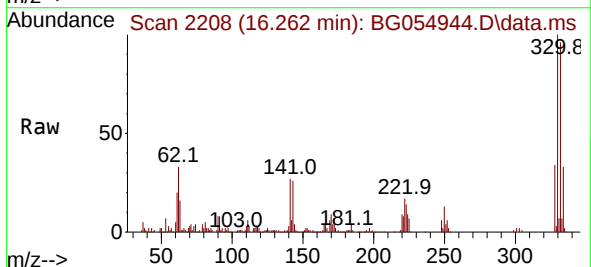
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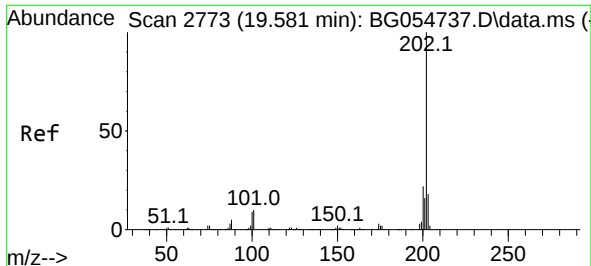
Tgt Ion:188 Resp: 255358  
Ion Ratio Lower Upper  
188 100  
94 8.4 7.0 10.4  
80 9.1 7.9 11.9



#67  
4-Bromophenyl-phenylether  
Concen: 3.006 ng  
RT: 16.262 min Scan# 2208  
Delta R.T. -0.439 min  
Lab File: BG054944.D  
Acq: 14 Sep 2022 15:19

Tgt Ion:248 Resp: 8429  
Ion Ratio Lower Upper  
248 100  
250 202.4 78.8 118.2#  
141 430.0 51.9 77.9#

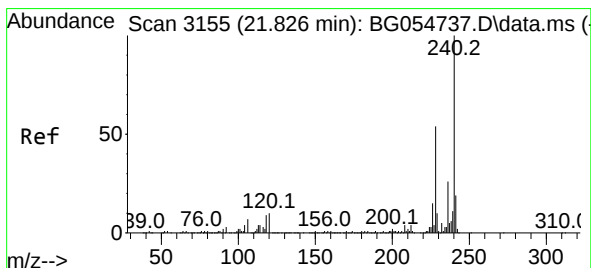
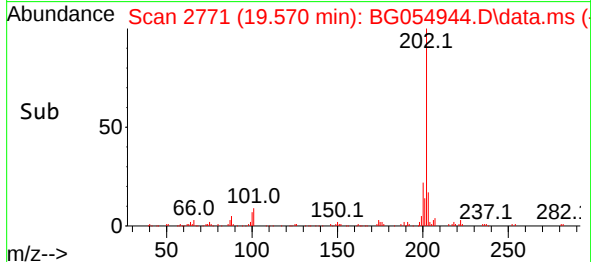
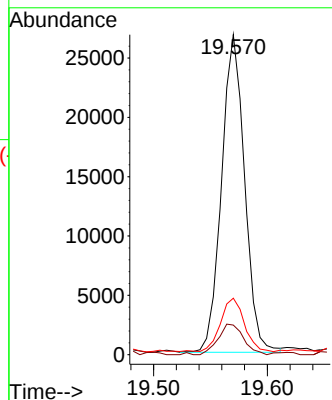
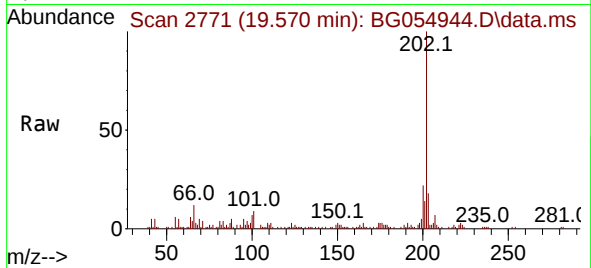




#75  
Fluoranthene  
Concen: 2.282 ng  
RT: 19.570 min Scan# 21  
Delta R.T. 0.002 min  
Lab File: BG054944.D  
Acq: 14 Sep 2022 15:19

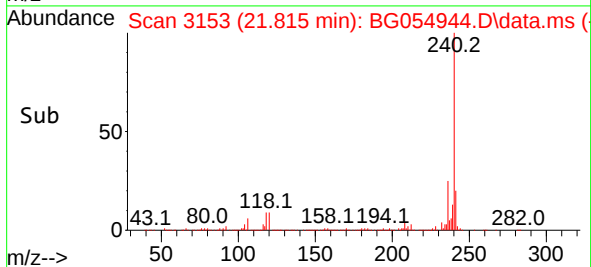
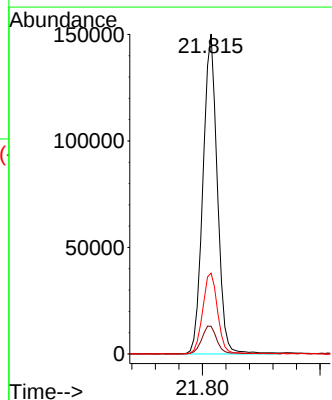
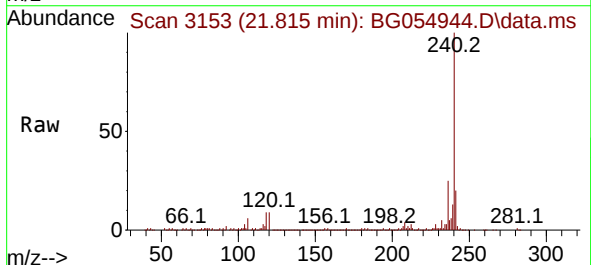
Instrument :  
BNA\_G  
ClientSampleId :  
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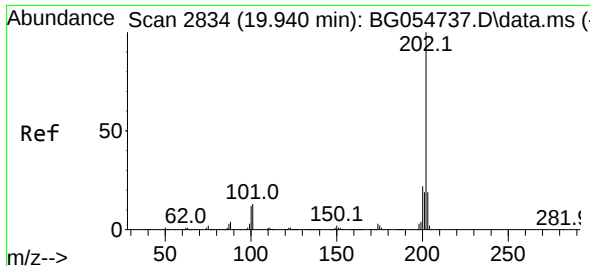
Tgt Ion:202 Resp: 37764  
Ion Ratio Lower Upper  
202 100  
101 9.2 0.0 31.4  
203 17.6 0.0 38.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.815 min Scan# 3153  
Delta R.T. -0.004 min  
Lab File: BG054944.D  
Acq: 14 Sep 2022 15:19

Tgt Ion:240 Resp: 254363  
Ion Ratio Lower Upper  
240 100  
120 8.7 8.2 12.4  
236 25.3 21.2 31.8

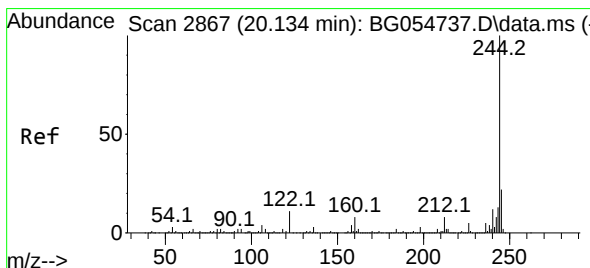
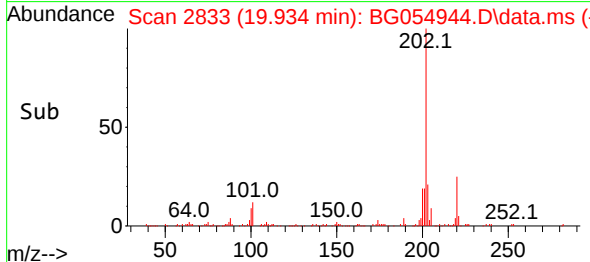
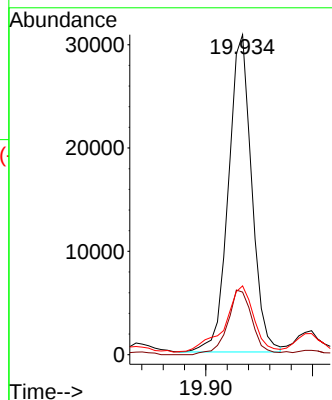
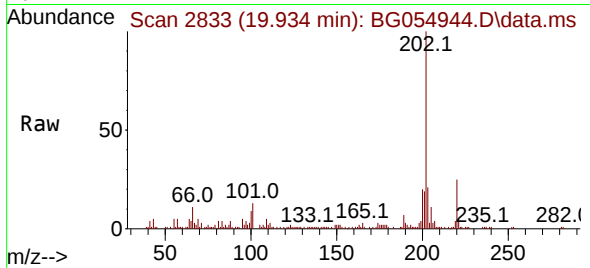




#78  
 Pyrene  
 Concen: 2.624 ng  
 RT: 19.934 min Scan# 21  
 Delta R.T. 0.002 min  
 Lab File: BG054944.D  
 Acq: 14 Sep 2022 15:19

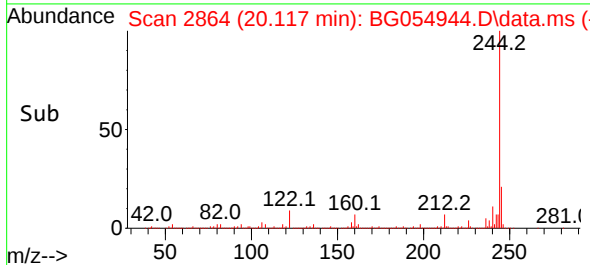
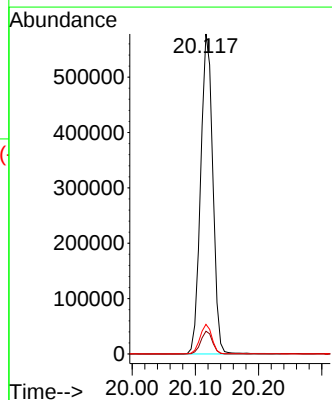
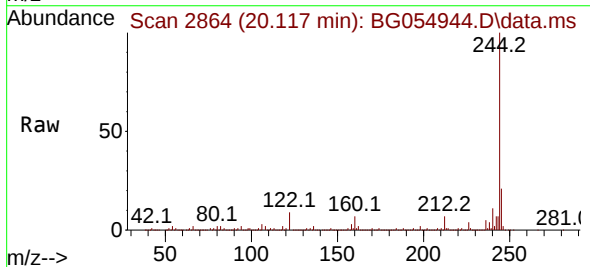
Instrument :  
 BNA\_G  
 ClientSampleId :  
 40152

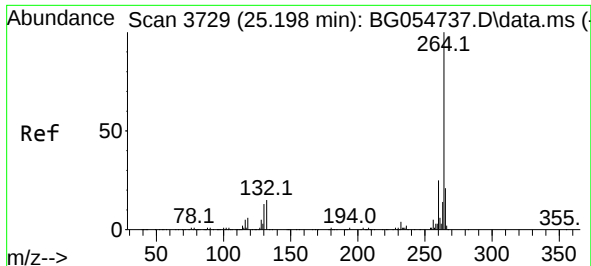
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 46533 |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 200      | 19.6  | 17.8  | 26.6  |
| 203      | 21.5  | 14.6  | 21.8  |



#79  
 Terphenyl-d14  
 Concen: 60.188 ng  
 RT: 20.117 min Scan# 2864  
 Delta R.T. -0.004 min  
 Lab File: BG054944.D  
 Acq: 14 Sep 2022 15:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 244   | Resp: | 772668 |
| Ion      | Ratio | Lower | Upper  |
| 244      | 100   |       |        |
| 212      | 7.1   | 6.2   | 9.2    |
| 122      | 9.2   | 9.0   | 13.6   |

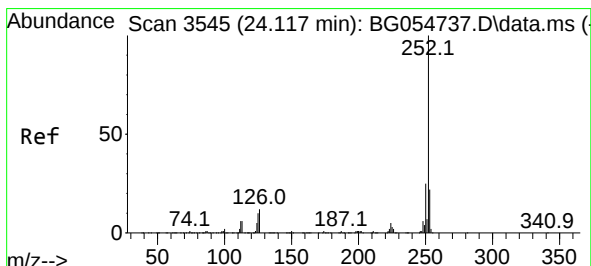
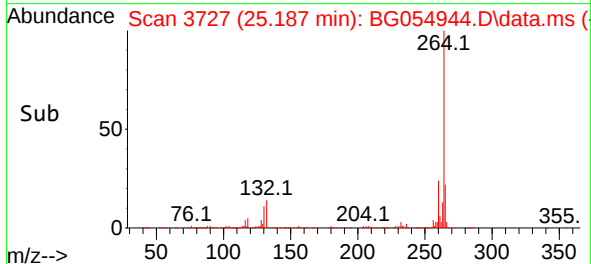
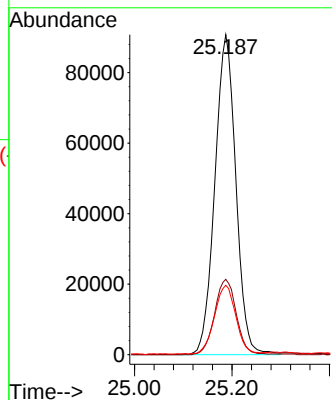
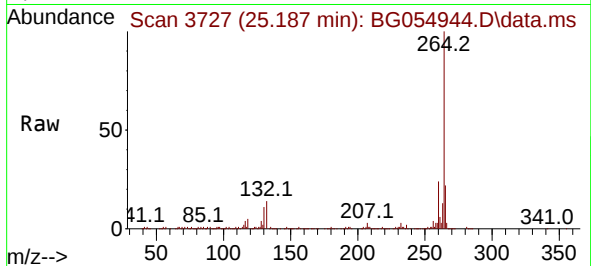




#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.187 min Scan# 31  
 Delta R.T. 0.002 min  
 Lab File: BG054944.D  
 Acq: 14 Sep 2022 15:19

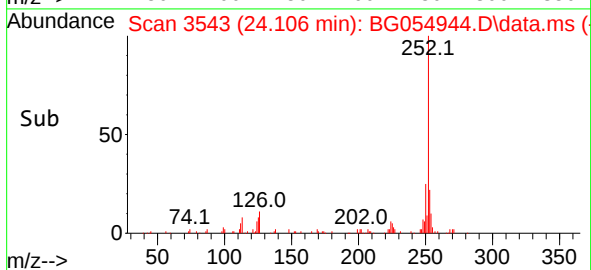
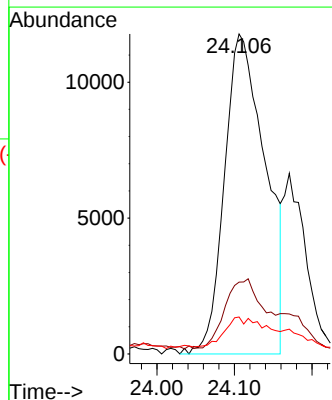
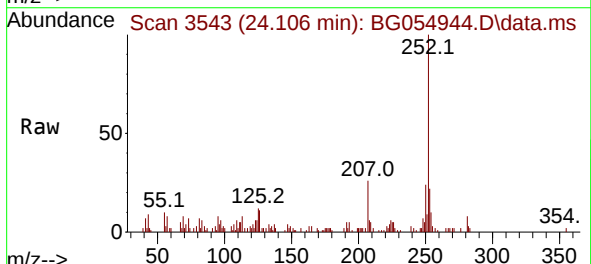
Instrument :  
 BNA\_G  
 ClientSampleId :  
 40152

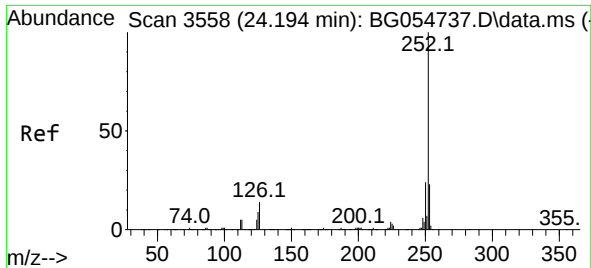
Tgt Ion:264 Resp: 271255  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 19.9 29.9  
 265 21.7 16.9 25.3



#88  
 Benzo(b)fluoranthene  
 Concen: 2.543 ng  
 RT: 24.106 min Scan# 3543  
 Delta R.T. -0.004 min  
 Lab File: BG054944.D  
 Acq: 14 Sep 2022 15:19

Tgt Ion:252 Resp: 43278  
 Ion Ratio Lower Upper  
 252 100  
 253 22.5 18.0 27.0  
 125 11.5 8.1 12.1

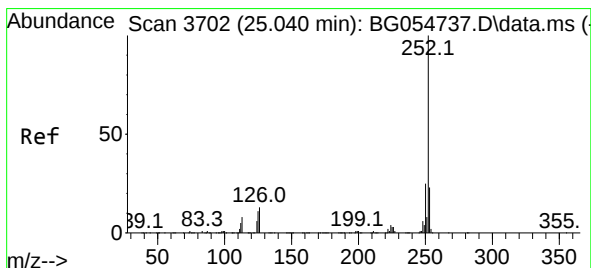
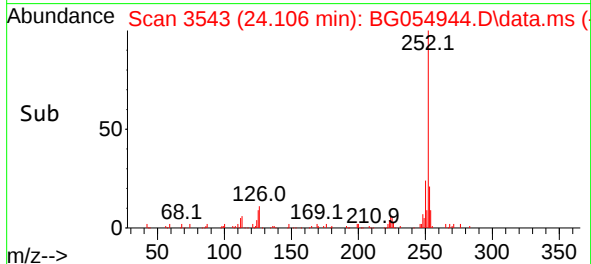
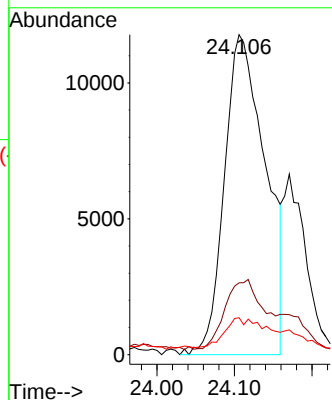
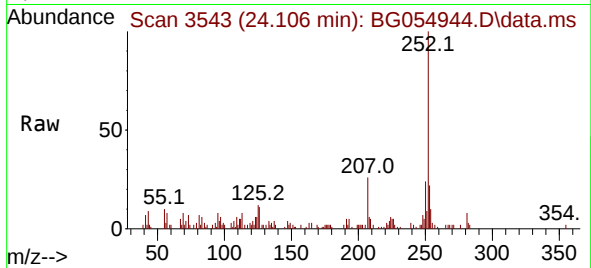




#89  
Benzo(k)fluoranthene  
Concen: 2.527 ng  
RT: 24.106 min Scan# 31  
Delta R.T. -0.075 min  
Lab File: BG054944.D  
Acq: 14 Sep 2022 15:19

Instrument :  
BNA\_G  
ClientSampleId :  
40152

Tgt Ion:252 Resp: 43278  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.8 26.8  
125 11.5 8.2 12.4



#90  
Benzo(a)pyrene  
Concen: 2.057 ng  
RT: 25.023 min Scan# 3699  
Delta R.T. -0.010 min  
Lab File: BG054944.D  
Acq: 14 Sep 2022 15:19

Tgt Ion:252 Resp: 29901  
Ion Ratio Lower Upper  
252 100  
253 21.0 18.3 27.5  
125 12.1 8.8 13.2

