

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG061721\  
 Data File : BG049011.D  
 Acq On : 17 Jun 2021 12:19  
 Operator : CG/JU  
 Sample : M2678-15  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SPLP-AMND-COMPOSITE-H

Quant Time: Jun 17 12:58:20 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG061121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 16 12:04:50 2021  
 Response via : Initial Calibration

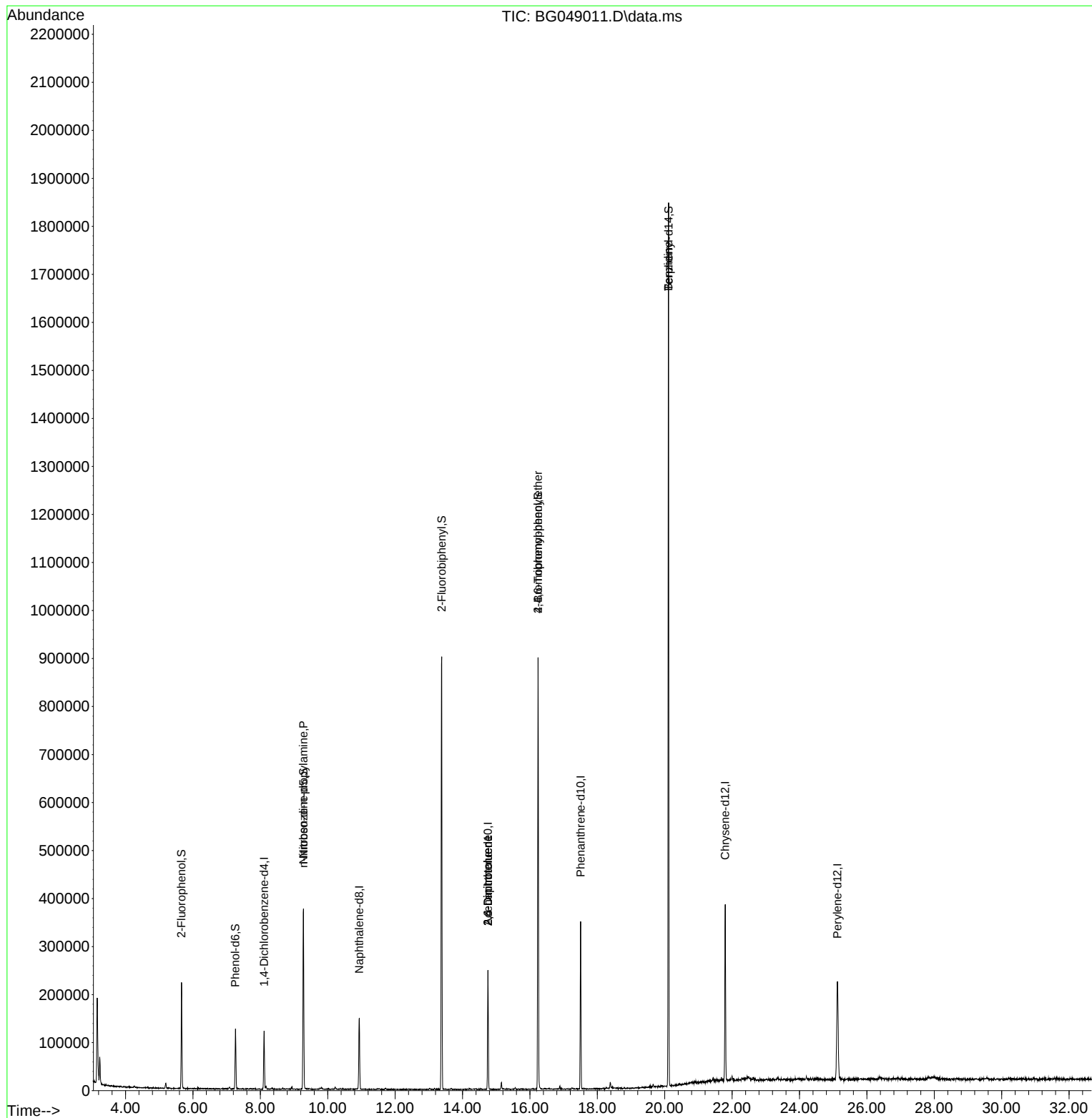
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.111  | 152  | 29447    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.937 | 136  | 121440   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.756 | 164  | 89239    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.506 | 188  | 217823   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.795 | 240  | 228986   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.121 | 264  | 235478   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.661  | 112  | 83051    | 43.904  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.259  | 99   | 62543    | 22.059  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.280  | 82   | 226735   | 80.507  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.243 | 330  | 164771   | 124.625 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.382 | 172  | 471261   | 74.601  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.115 | 244  | 879155   | 70.314  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 9.275  | 70   | 33544    | 15.136  | ng    | # 75     |
| 51) 2,6-Dinitrotoluene        | 14.756 | 165  | 11541    | 8.153   | ng    | # 12     |
| 57) 2,4-Dinitrotoluene        | 14.756 | 165  | 11541    | 6.637   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 16.243 | 248  | 10432    | 3.836   | ng    | # 1      |
| 77) Benzidine                 | 20.109 | 184  | 16888    | 3.661   | ng    | 95       |
| -----                         |        |      |          |         |       |          |

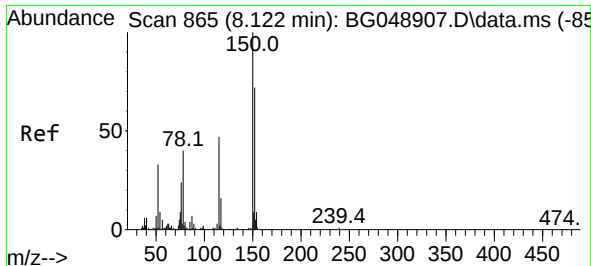
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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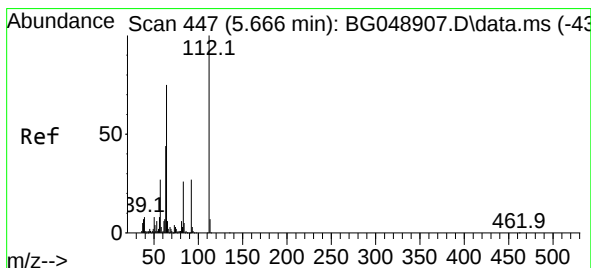
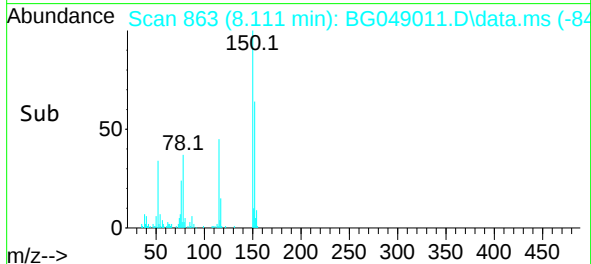
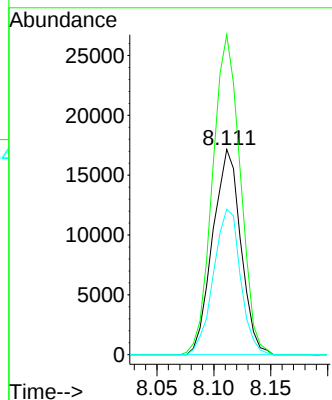
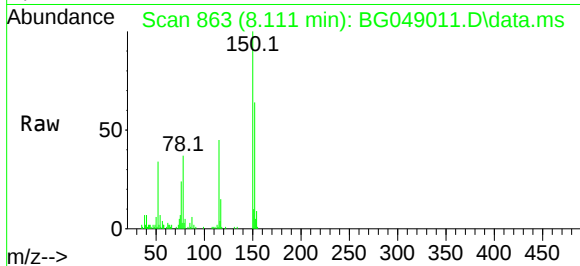




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.111 min Scan# 863  
Delta R.T. -0.003 min  
Lab File: BG049011.D  
Acq: 17 Jun 2021 12:19

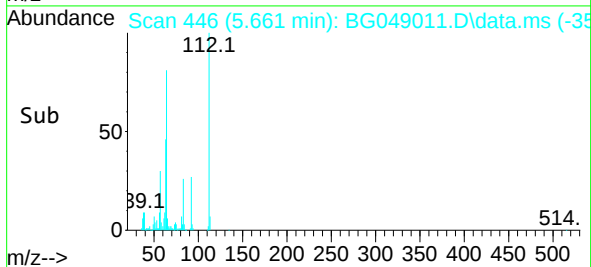
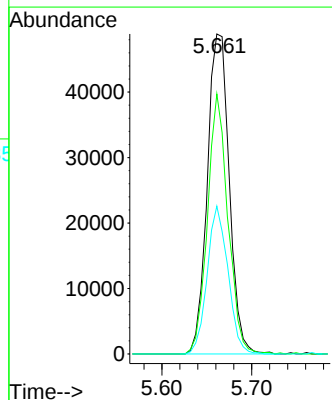
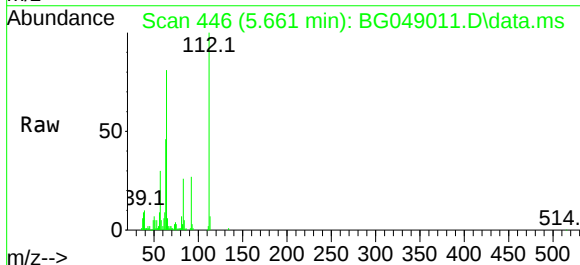
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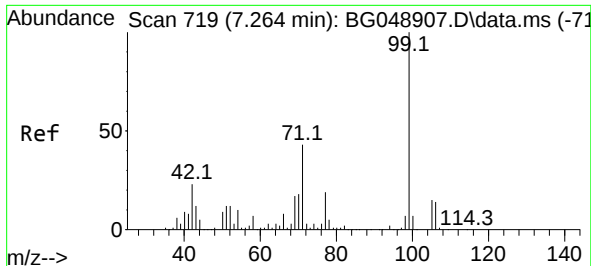
Tgt Ion:152 Resp: 29447  
Ion Ratio Lower Upper  
152 100  
150 155.9 119.4 179.0  
115 70.9 60.2 90.4



#5  
2-Fluorophenol  
Concen: 43.904 ng  
RT: 5.661 min Scan# 446  
Delta R.T. -0.002 min  
Lab File: BG049011.D  
Acq: 17 Jun 2021 12:19

Tgt Ion:112 Resp: 83051  
Ion Ratio Lower Upper  
112 100  
64 81.2 46.7 70.1#  
63 46.2 35.3 52.9

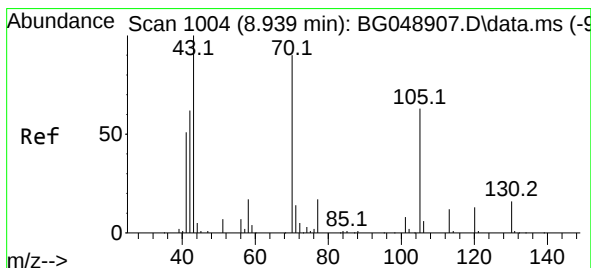
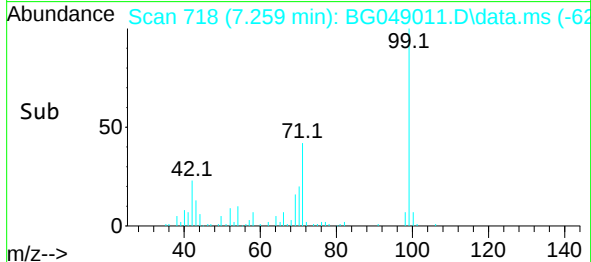
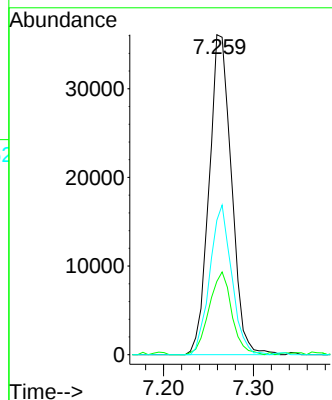
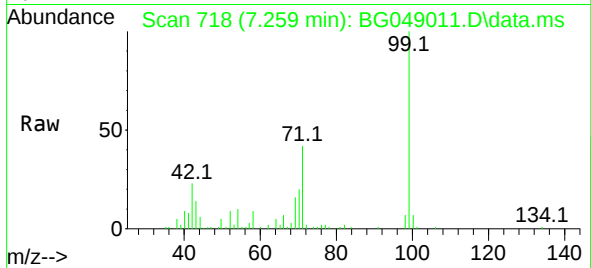




#7  
Phenol-d6  
Concen: 22.059 ng  
RT: 7.259 min Scan# 718  
Delta R.T. -0.008 min  
Lab File: BG049011.D  
Acq: 17 Jun 2021 12:19

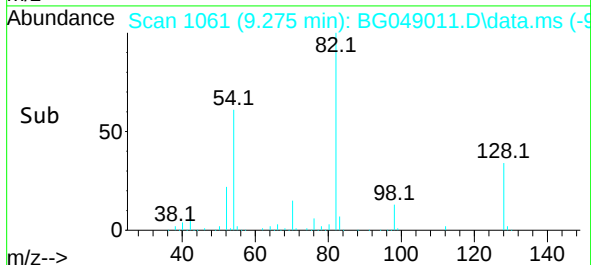
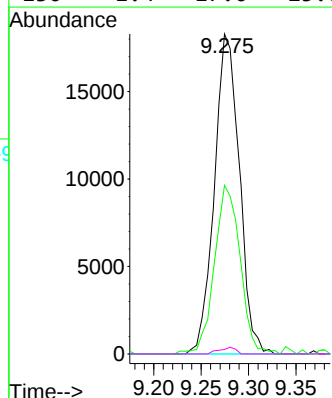
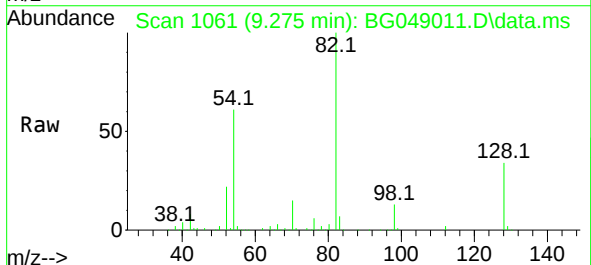
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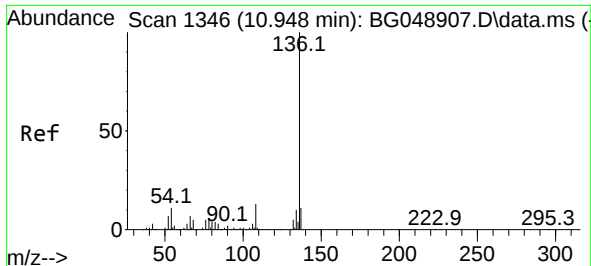
Tgt Ion: 99 Resp: 62543  
Ion Ratio Lower Upper  
99 100  
42 22.9 20.5 30.7  
71 42.0 41.5 62.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 15.136 ng  
RT: 9.275 min Scan# 1061  
Delta R.T. 0.350 min  
Lab File: BG049011.D  
Acq: 17 Jun 2021 12:19

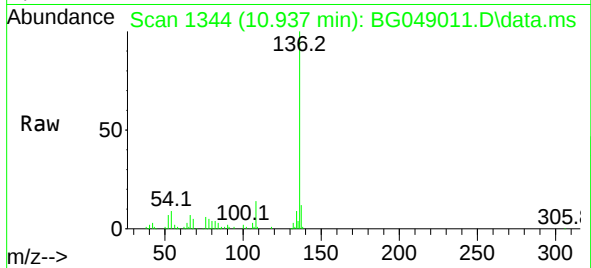
Tgt Ion: 70 Resp: 33544  
Ion Ratio Lower Upper  
70 100  
42 52.7 54.5 81.7#  
101 0.0 9.0 13.6#  
130 1.4 17.0 25.6#



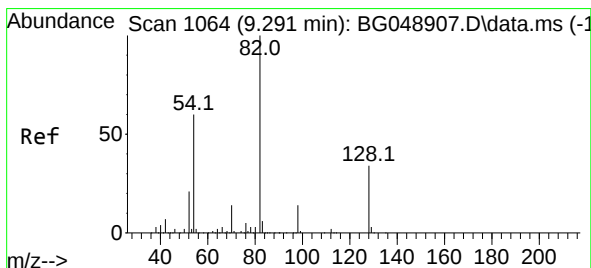
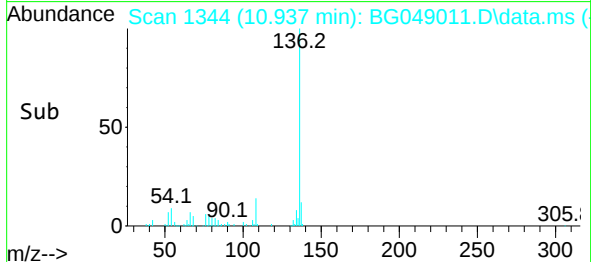
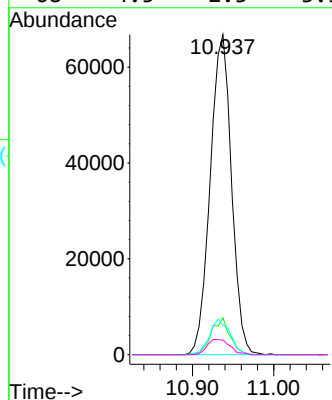


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.937 min Scan# 1344  
Delta R.T. -0.002 min  
Lab File: BG049011.D  
Acq: 17 Jun 2021 12:19

Instrument :  
BNA\_G  
ClientSampleId :  
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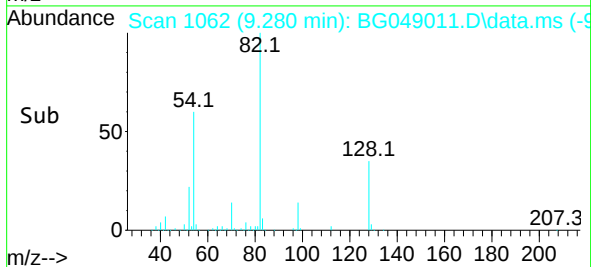
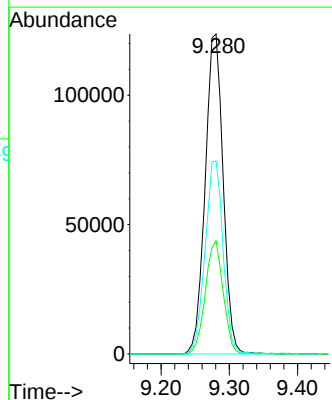
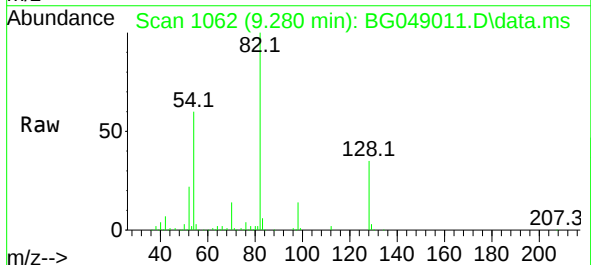


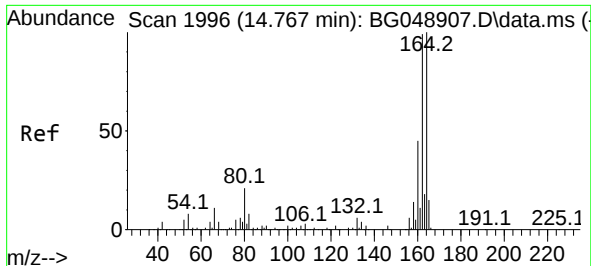
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 121440 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.5  | 8.2   | 12.2   |
| 54        | 9.2   | 5.5   | 8.3#   |
| 68        | 4.5   | 2.3   | 3.5#   |



#23  
Nitrobenzene-d5  
Concen: 80.507 ng  
RT: 9.280 min Scan# 1062  
Delta R.T. -0.002 min  
Lab File: BG049011.D  
Acq: 17 Jun 2021 12:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 226735 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 35.4  | 29.8  | 44.6   |
| 54        | 60.3  | 45.8  | 68.8   |

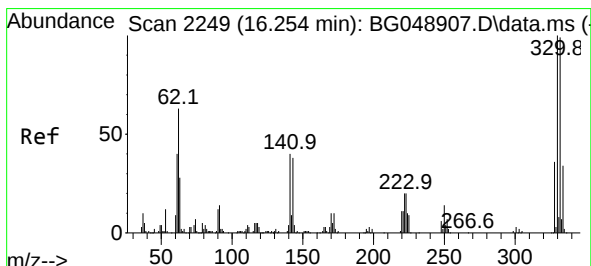
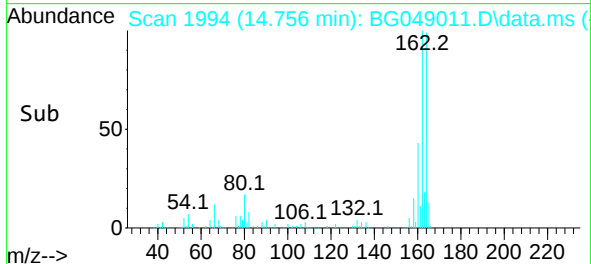
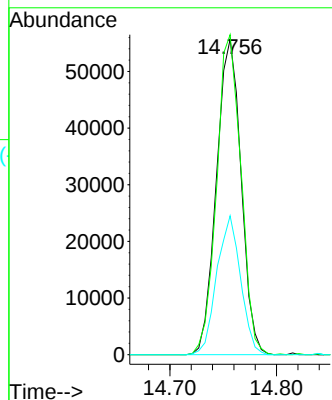
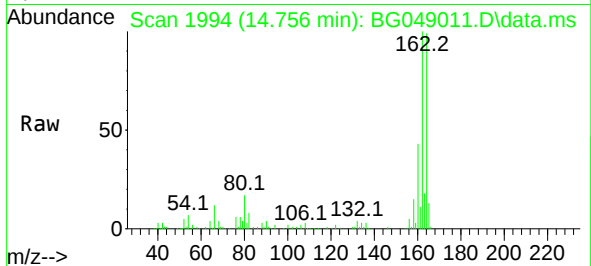




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.756 min Scan# 1994  
Delta R.T. -0.002 min  
Lab File: BG049011.D  
Acq: 17 Jun 2021 12:19

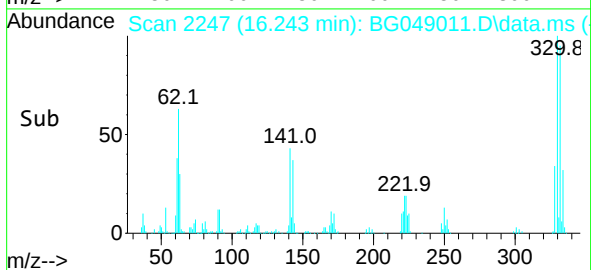
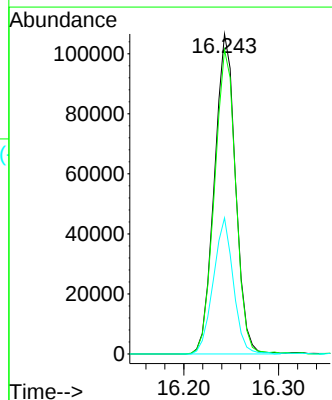
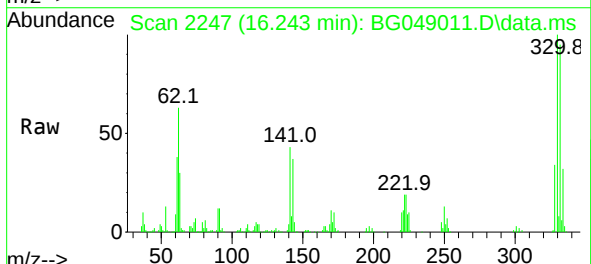
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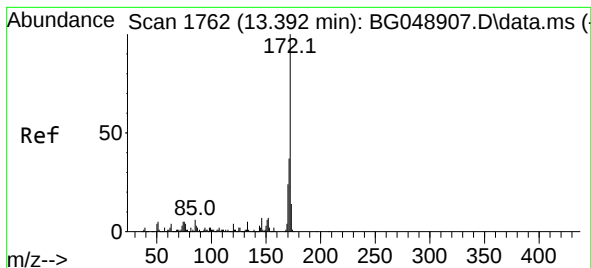
Tgt Ion:164 Resp: 89239  
Ion Ratio Lower Upper  
164 100  
162 101.5 81.4 122.0  
160 44.0 34.9 52.3



#42  
2,4,6-Tribromophenol  
Concen: 124.625 ng  
RT: 16.243 min Scan# 2247  
Delta R.T. -0.002 min  
Lab File: BG049011.D  
Acq: 17 Jun 2021 12:19

Tgt Ion:330 Resp: 164771  
Ion Ratio Lower Upper  
330 100  
332 96.1 77.3 115.9  
141 40.2 35.6 53.4

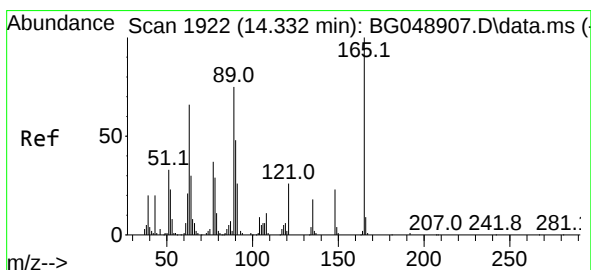
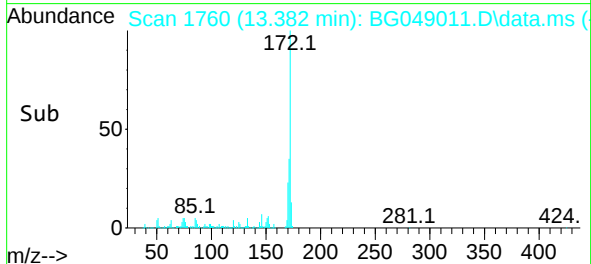
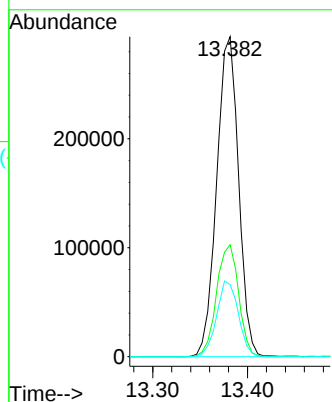
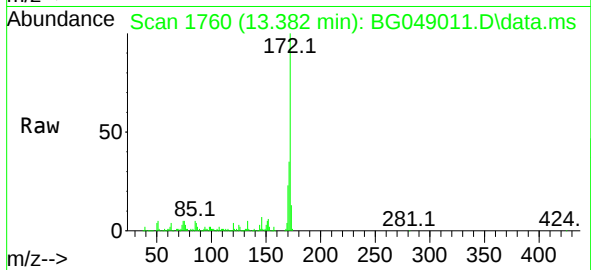




#45  
2-Fluorobiphenyl  
Concen: 74.601 ng  
RT: 13.382 min Scan# 1760  
Delta R.T. -0.002 min  
Lab File: BG049011.D  
Acq: 17 Jun 2021 12:19

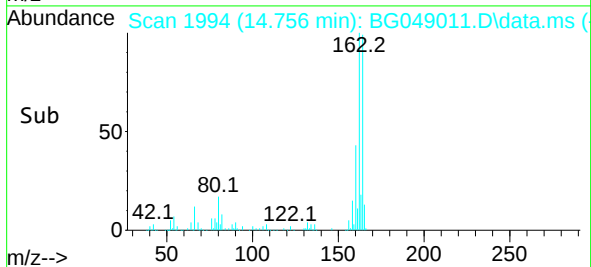
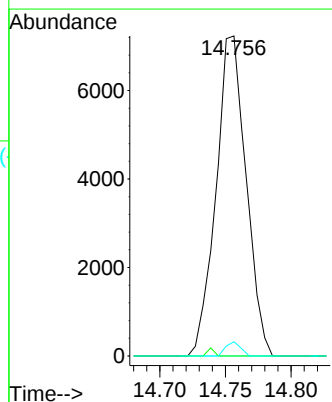
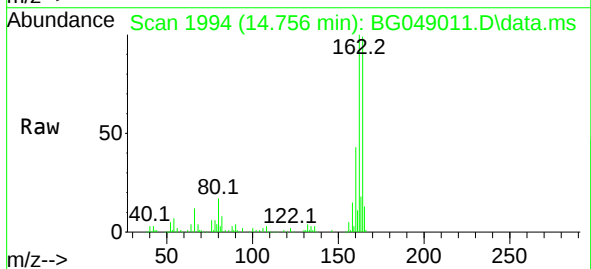
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ClientSampleId :  
SPLP-AMND-COMPOSITE-H

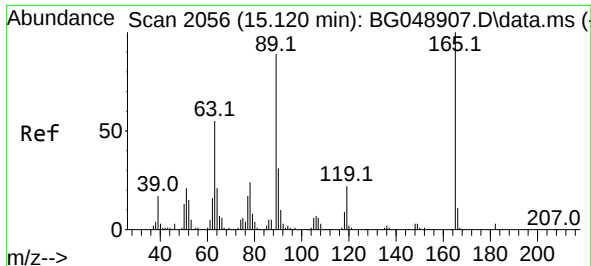
Tgt Ion:172 Resp: 471261  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.6 43.0  
170 22.6 18.6 27.8



#51  
2,6-Dinitrotoluene  
Concen: 8.153 ng  
RT: 14.756 min Scan# 1994  
Delta R.T. 0.432 min  
Lab File: BG049011.D  
Acq: 17 Jun 2021 12:19

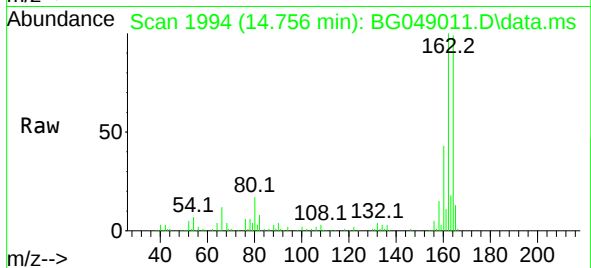
Tgt Ion:165 Resp: 11541  
Ion Ratio Lower Upper  
165 100  
63 0.0 63.3 94.9#  
89 4.5 63.4 95.0#



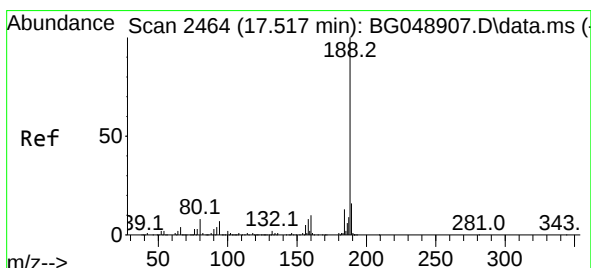
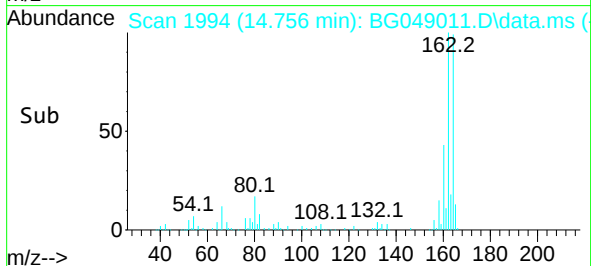
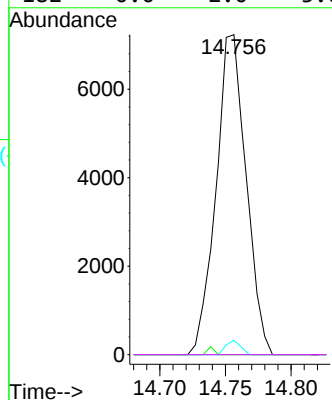


#57  
2,4-Dinitrotoluene  
Concen: 6.637 ng  
RT: 14.756 min Scan# 1994  
Delta R.T. -0.355 min  
Lab File: BG049011.D  
Acq: 17 Jun 2021 12:19

Instrument :  
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ClientSampleId :  
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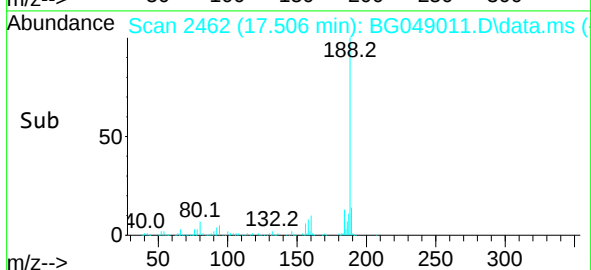
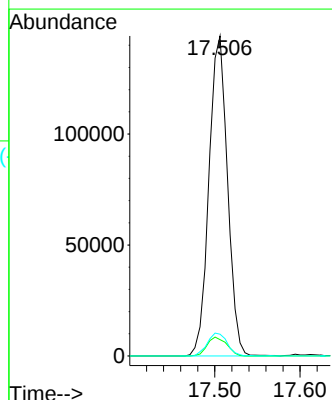
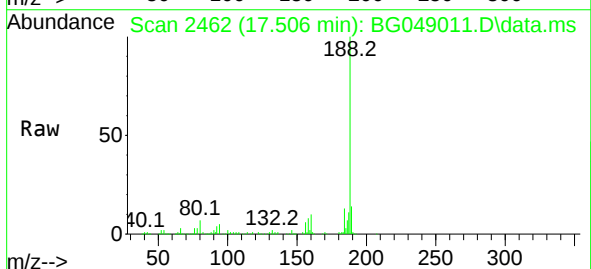


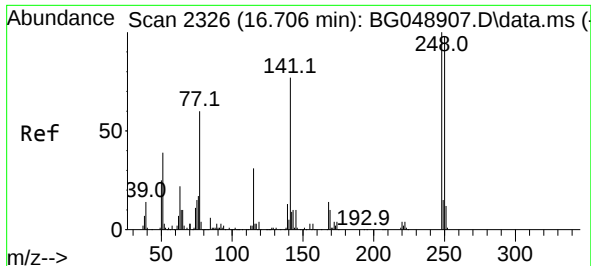
Tgt Ion:165 Resp: 11541  
Ion Ratio Lower Upper  
165 100  
63 0.0 48.0 72.0#  
89 4.5 65.4 98.0#  
182 0.0 2.0 3.0#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.506 min Scan# 2462  
Delta R.T. -0.002 min  
Lab File: BG049011.D  
Acq: 17 Jun 2021 12:19

Tgt Ion:188 Resp: 217823  
Ion Ratio Lower Upper  
188 100  
94 5.1 5.4 8.0#  
80 6.8 3.7 5.5#

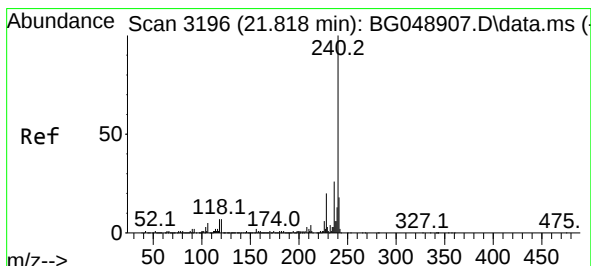
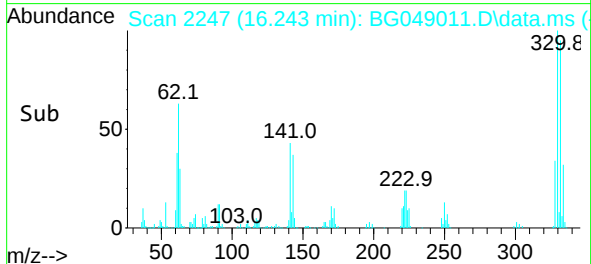
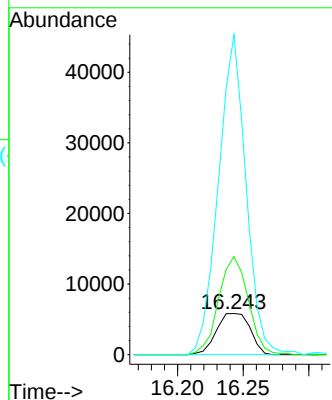
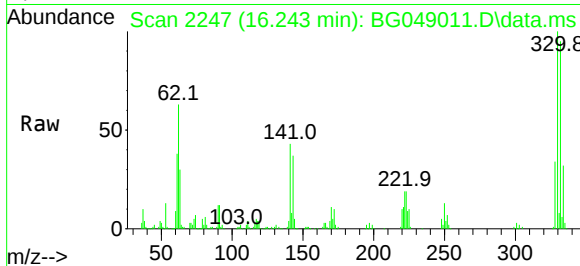




#67  
4-Bromophenyl-phenylether  
Concen: 3.836 ng  
RT: 16.243 min Scan# 2247  
Delta R.T. -0.449 min  
Lab File: BG049011.D  
Acq: 17 Jun 2021 12:19

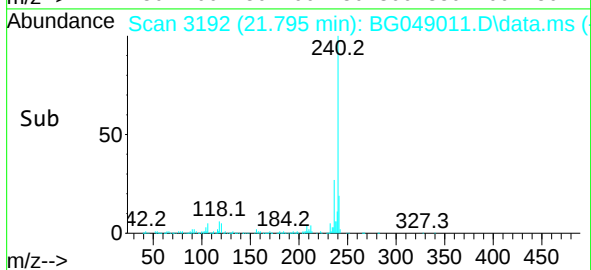
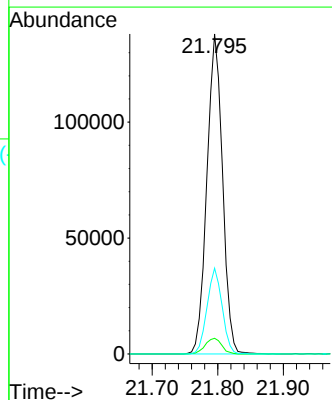
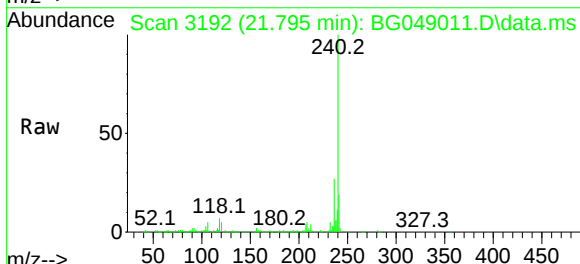
Instrument :  
BNA\_G  
ClientSampleId :  
SPLP-AMND-COMPOSITE-H

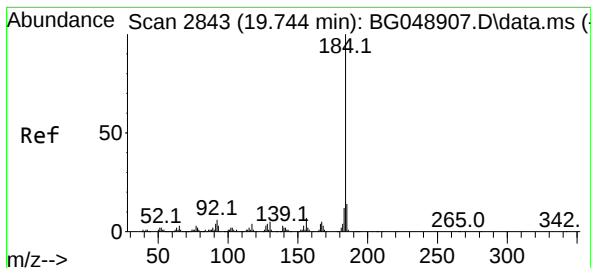
Tgt Ion:248 Resp: 10432  
Ion Ratio Lower Upper  
248 100  
250 238.2 76.1 114.1#  
141 777.5 65.4 98.2#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.795 min Scan# 3192  
Delta R.T. -0.002 min  
Lab File: BG049011.D  
Acq: 17 Jun 2021 12:19

Tgt Ion:240 Resp: 228986  
Ion Ratio Lower Upper  
240 100  
120 4.9 4.2 6.2  
236 26.8 21.8 32.6





#77

Benzidine

Concen: 3.661 ng

RT: 20.109 min Scan# 2905

Delta R.T. 0.380 min

Lab File: BG049011.D

Acq: 17 Jun 2021 12:19

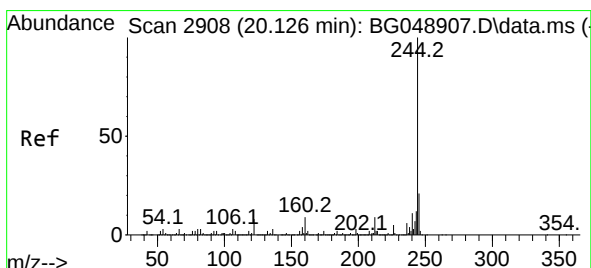
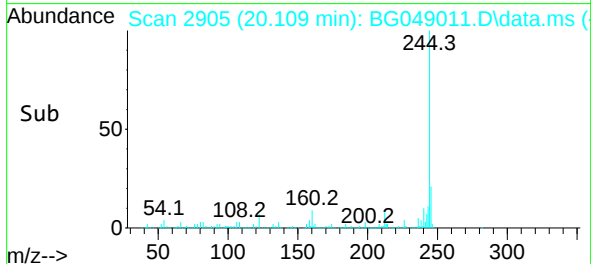
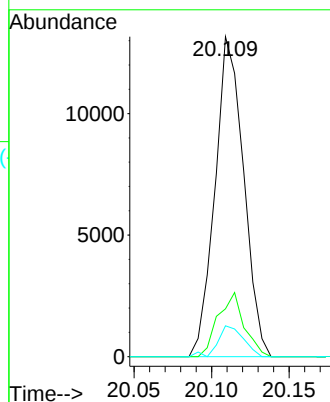
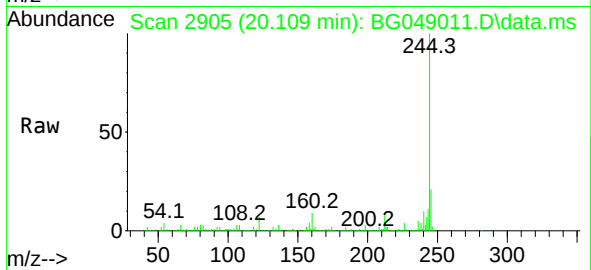
Tgt Ion:184 Resp: 16888

Ion Ratio Lower Upper

184 100

185 15.0 10.7 16.1

183 9.7 9.4 14.0



#79

Terphenyl-d14

Concen: 70.314 ng

RT: 20.115 min Scan# 2906

Delta R.T. 0.004 min

Lab File: BG049011.D

Acq: 17 Jun 2021 12:19

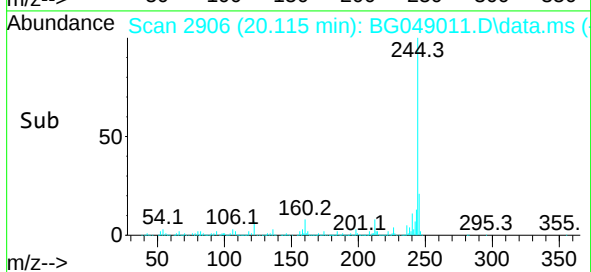
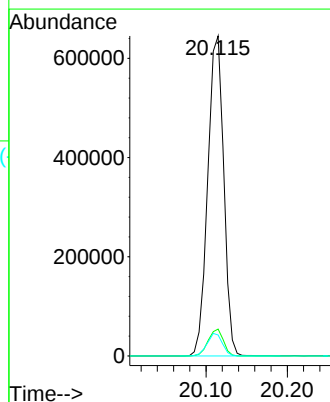
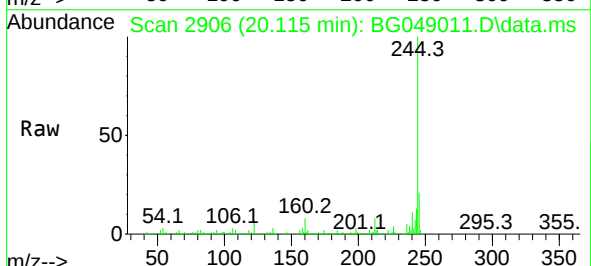
Tgt Ion:244 Resp: 879155

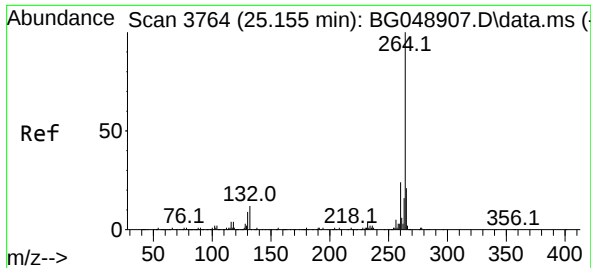
Ion Ratio Lower Upper

244 100

212 8.4 6.9 10.3

122 6.5 5.0 7.6





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.121 min Scan# 3758  
Delta R.T. -0.008 min  
Lab File: BG049011.D  
Acq: 17 Jun 2021 12:19

Instrument :  
BNA\_G  
ClientSampleId :  
SPLP-AMND-COMPOSITE-H

Tgt Ion:264 Resp: 235478  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.3  | 19.4  | 29.2  |
| 265 | 22.2  | 16.9  | 25.3  |

