

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072221\  
 Data File : BF124698.D  
 Acq On : 22 Jul 2021 19:59  
 Operator : JU/CG  
 Sample : M3093-05  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20210543-COM-16

Quant Time: Jul 23 02:06:11 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 22 15:28:57 2021  
 Response via : Initial Calibration

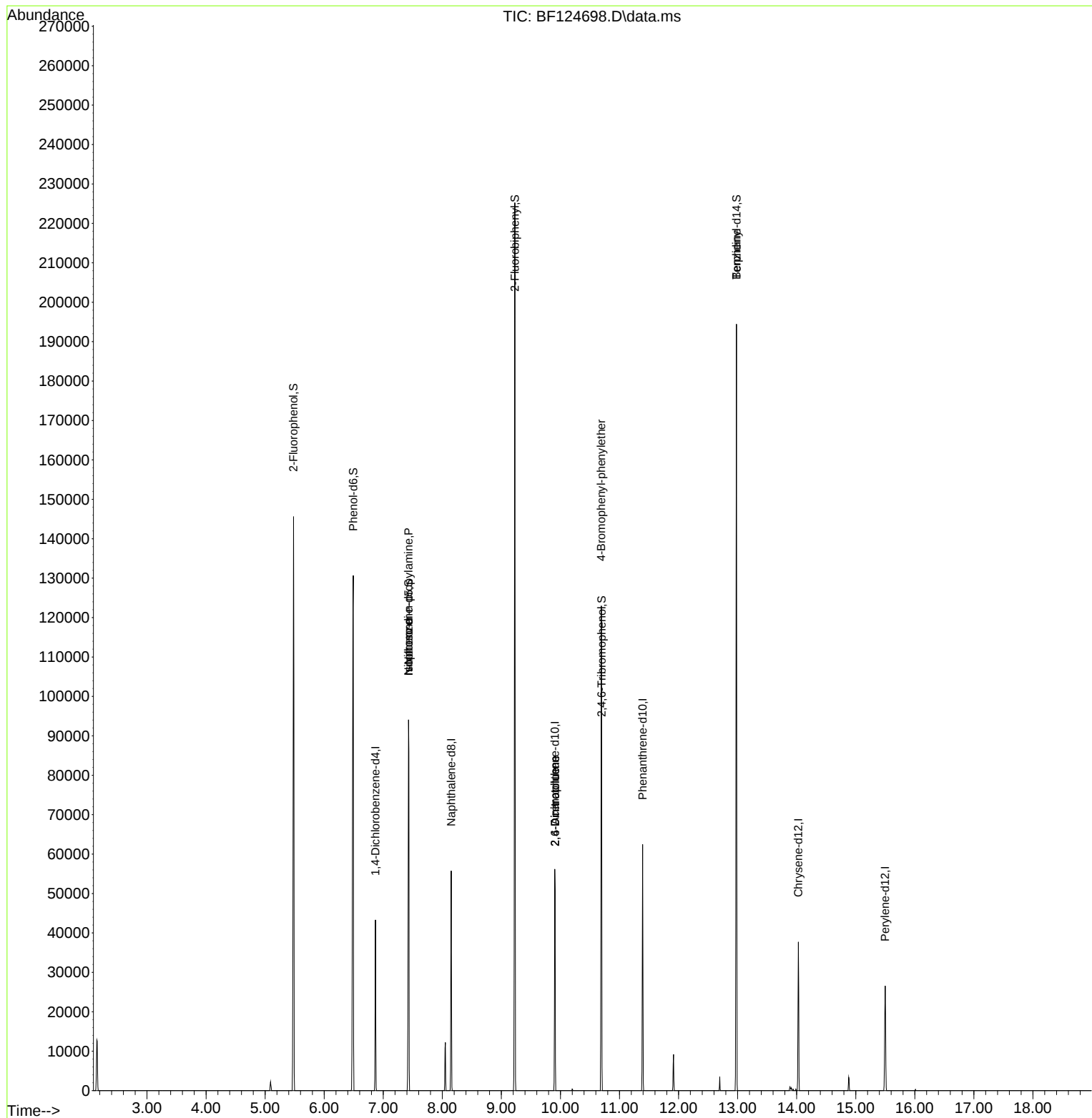
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 5950     | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 22604    | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.904  | 164  | 12476    | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.392 | 188  | 21762    | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.027 | 240  | 13811    | 20.00  | ng    | -0.01    |
| 86) Perylene-d12              | 15.498 | 264  | 12547    | 20.00  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.481  | 112  | 40399    | 114.96 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.493  | 99   | 46329    | 105.16 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.428  | 82   | 29689    | 78.17  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.698 | 330  | 11483    | 107.20 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.228  | 172  | 61295    | 72.16  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 59887    | 74.33  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.428  | 70   | 3812     | 16.20  | ng    | # 67     |
| 25) Isophorone                | 7.428  | 82   | 29698    | 44.22  | ng    | # 59     |
| 51) 2,6-Dinitrotoluene        | 9.910  | 165  | 1443     | 7.60   | ng    | # 26     |
| 57) 2,4-Dinitrotoluene        | 9.910  | 165  | 1443     | 5.60   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.692 | 248  | 901      | 3.90   | ng    | # 1      |
| 77) Benzidine                 | 12.980 | 184  | 923      | 2.37   | ng    | # 69     |
| -----                         |        |      |          |        |       |          |

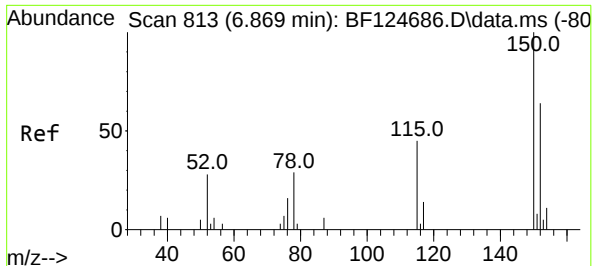
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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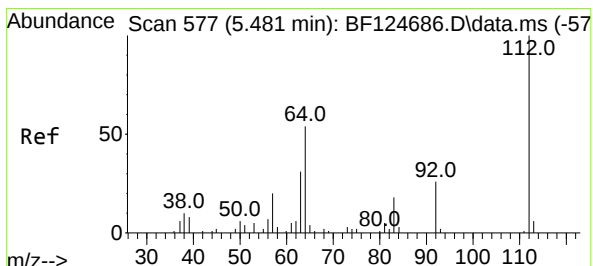
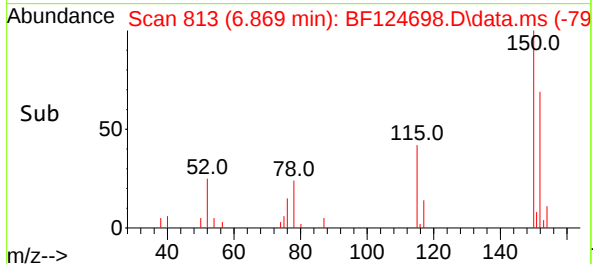
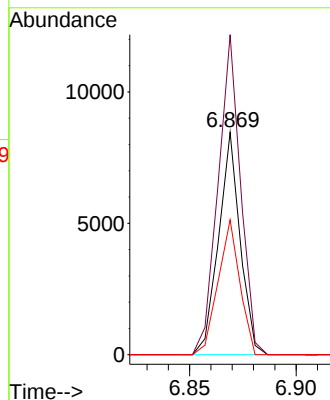
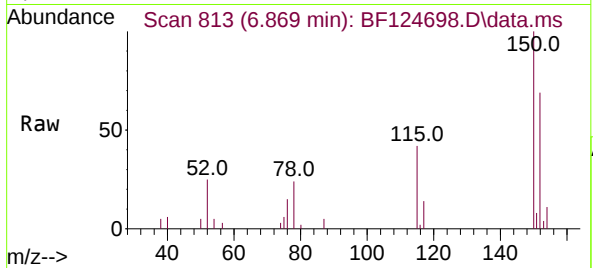




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.869 min Scan# 813  
Delta R.T. -0.000 min  
Lab File: BF124698.D  
Acq: 22 Jul 2021 19:59

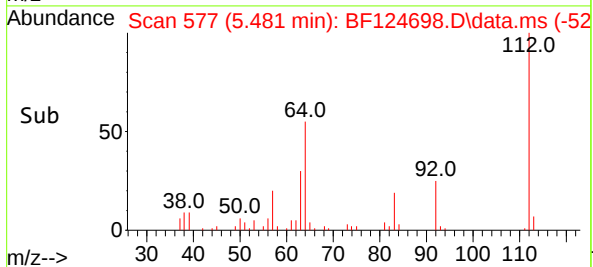
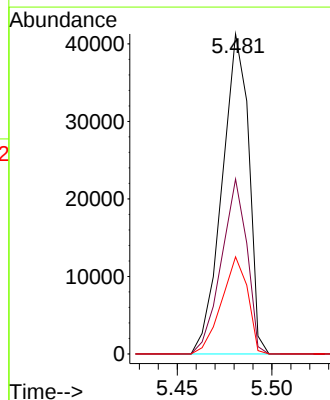
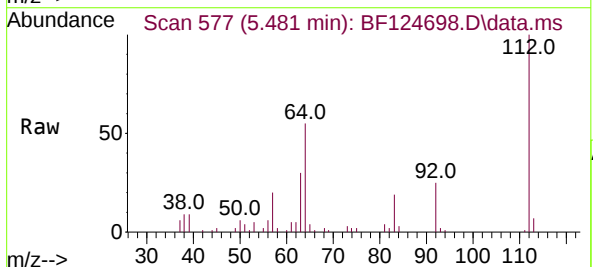
Instrument :  
BNA\_F  
ClientSampleId :  
20210543-COM-16

Tgt Ion:152 Resp: 5950  
Ion Ratio Lower Upper  
152 100  
150 143.9 117.6 176.4  
115 60.7 47.1 70.7



#5  
2-Fluorophenol  
Concen: 114.96 ng  
RT: 5.481 min Scan# 577  
Delta R.T. 0.000 min  
Lab File: BF124698.D  
Acq: 22 Jul 2021 19:59

Tgt Ion:112 Resp: 40399  
Ion Ratio Lower Upper  
112 100  
64 54.7 44.2 66.2  
63 30.4 26.2 39.2

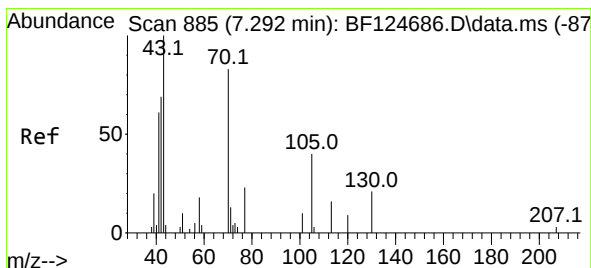
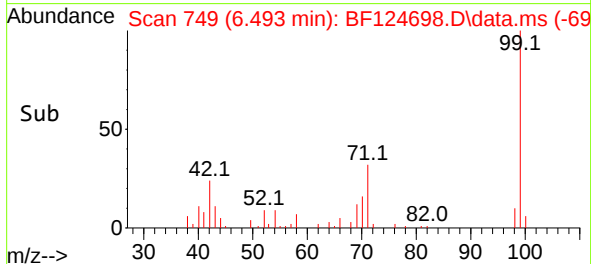
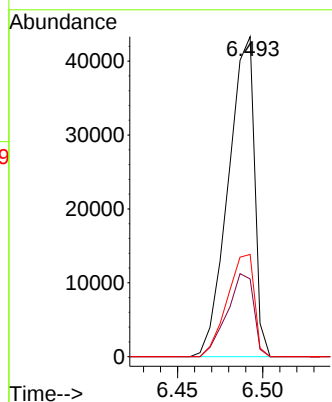
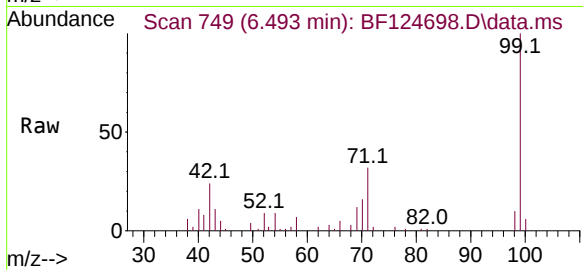




#7  
Phenol-d6  
Concen: 105.16 ng  
RT: 6.493 min Scan# 749  
Delta R.T. -0.006 min  
Lab File: BF124698.D  
Acq: 22 Jul 2021 19:59

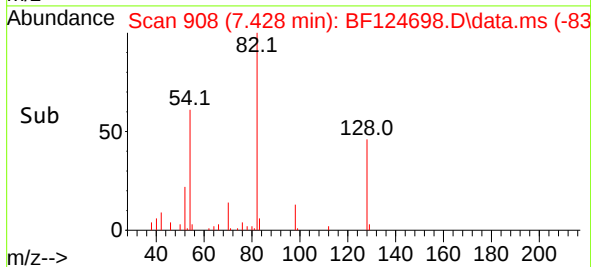
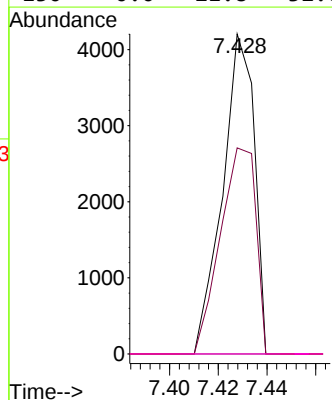
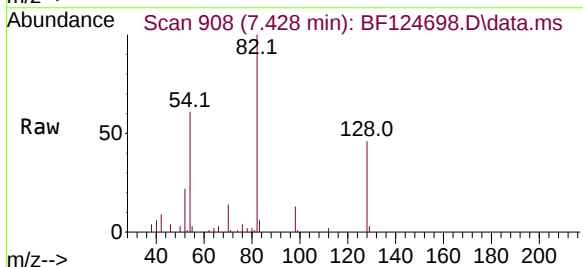
Instrument :  
BNA\_F  
ClientSampleId :  
20210543-COM-16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 46329 |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 24.3  | 23.5  | 35.3  |
| 71       | 31.9  | 25.6  | 38.4  |



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.20 ng  
RT: 7.428 min Scan# 908  
Delta R.T. 0.135 min  
Lab File: BF124698.D  
Acq: 22 Jul 2021 19:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 3812   |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 64.4  | 72.2  | 108.2# |
| 101      | 0.0   | 7.8   | 11.8#  |
| 130      | 0.0   | 21.8  | 32.6#  |



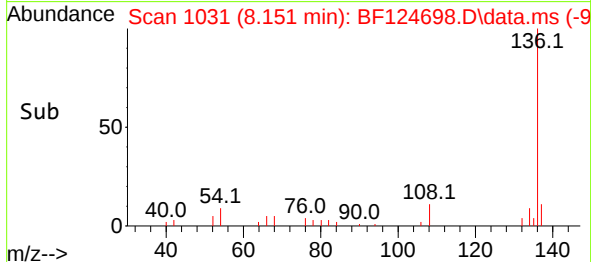
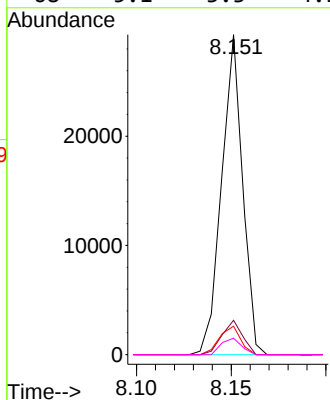
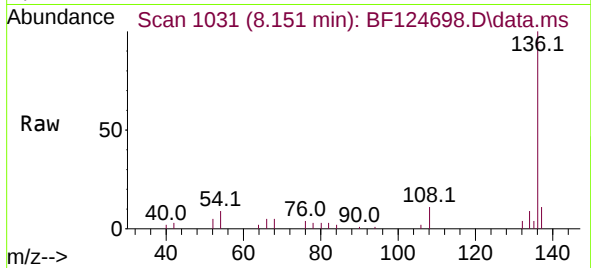


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.151 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF124698.D  
Acq: 22 Jul 2021 19:59

Instrument :  
BNA\_F  
ClientSampleId :  
20210543-COM-16

Tgt Ion:136 Resp: 22604

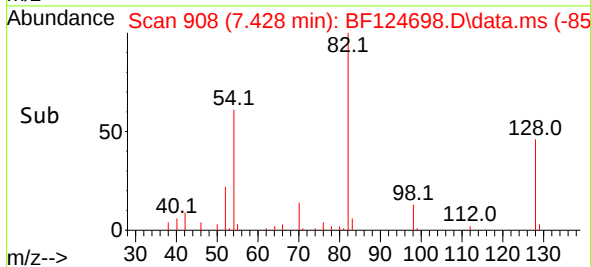
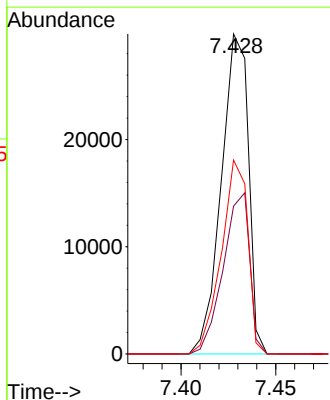
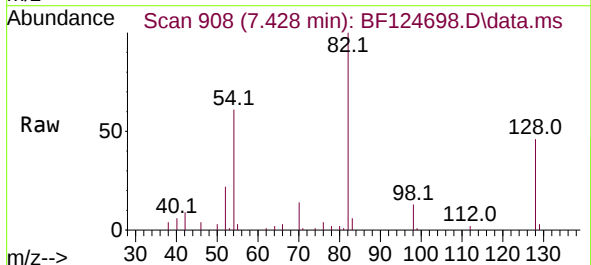
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 9.8   | 14.6  |
| 54  | 8.9   | 6.4   | 9.6   |
| 68  | 5.1   | 3.3   | 4.9   |



#23  
Nitrobenzene-d5  
Concen: 78.17 ng  
RT: 7.428 min Scan# 908  
Delta R.T. -0.012 min  
Lab File: BF124698.D  
Acq: 22 Jul 2021 19:59

Tgt Ion: 82 Resp: 29689

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 46.2  | 40.6  | 60.8  |
| 54  | 60.6  | 49.6  | 74.4  |

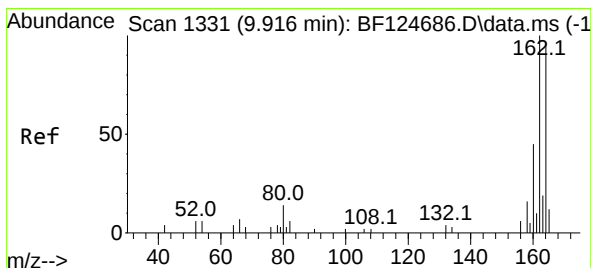
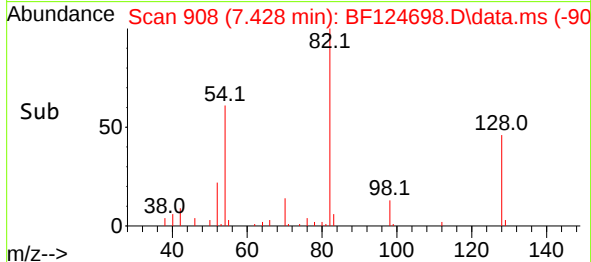
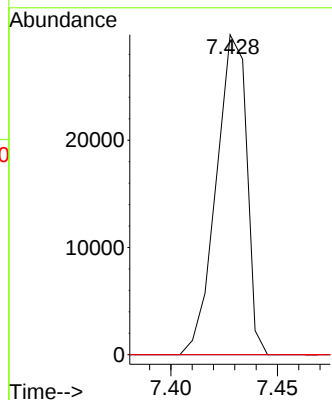
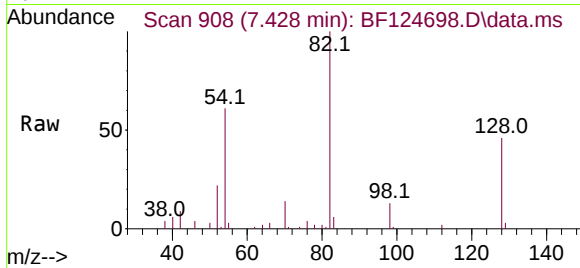




#25  
Isophorone  
Concen: 44.22 ng  
RT: 7.428 min Scan# 908  
Delta R.T. -0.271 min  
Lab File: BF124698.D  
Acq: 22 Jul 2021 19:59

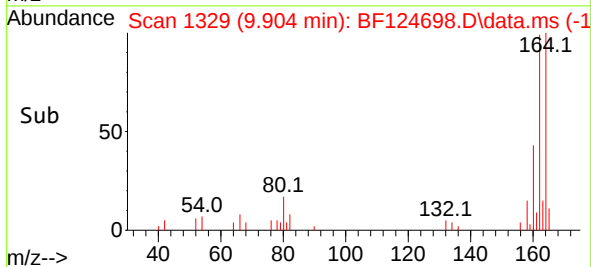
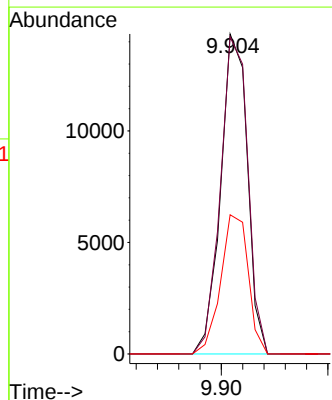
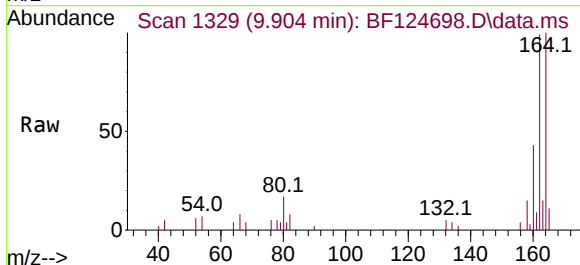
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ClientSampleId :  
20210543-COM-16

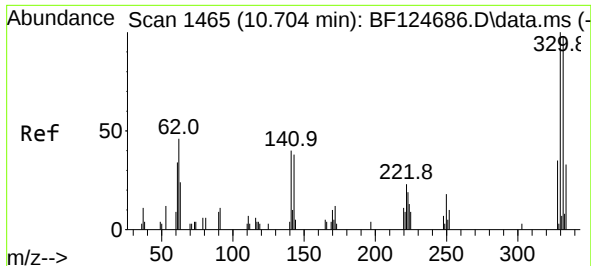
Tgt Ion: 82 Resp: 29698  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.5 9.7#  
138 0.0 18.4 27.6#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.904 min Scan# 1329  
Delta R.T. -0.012 min  
Lab File: BF124698.D  
Acq: 22 Jul 2021 19:59

Tgt Ion: 164 Resp: 12476  
Ion Ratio Lower Upper  
164 100  
162 99.1 81.3 121.9  
160 43.5 38.0 57.0

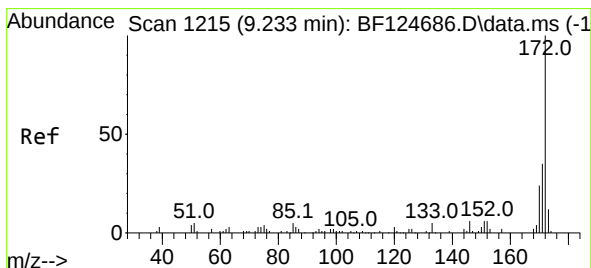
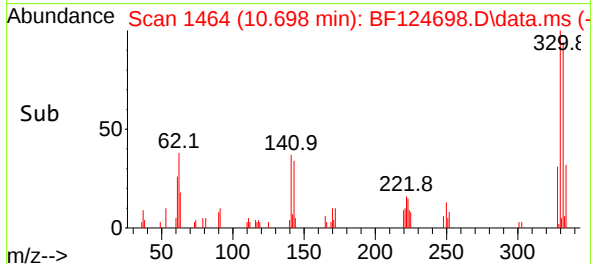
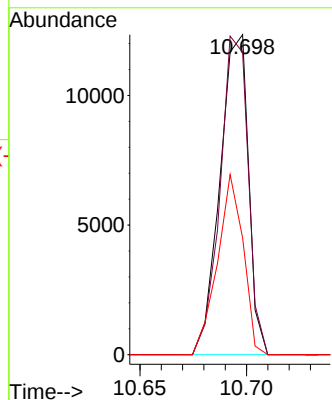
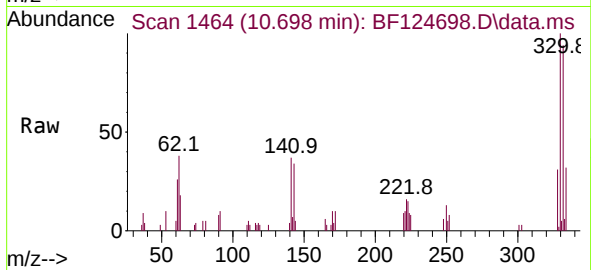




#42  
2,4,6-Tribromophenol  
Concen: 107.20 ng  
RT: 10.698 min Scan# 1464  
Delta R.T. -0.006 min  
Lab File: BF124698.D  
Acq: 22 Jul 2021 19:59

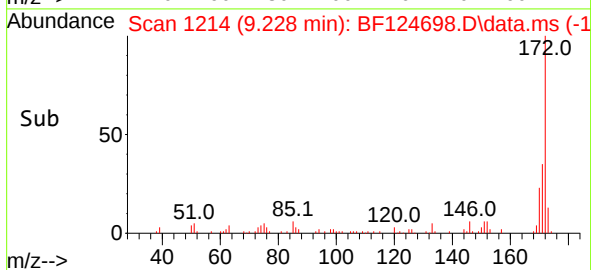
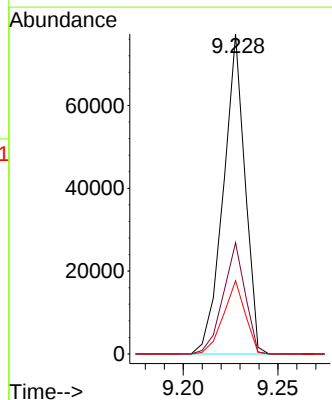
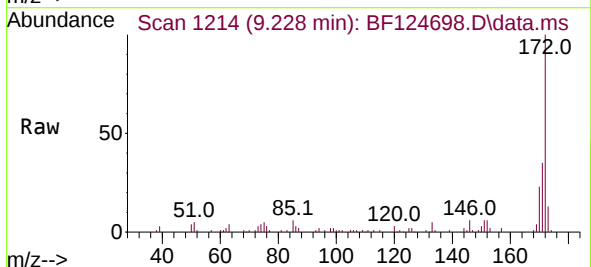
Instrument :  
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20210543-COM-16

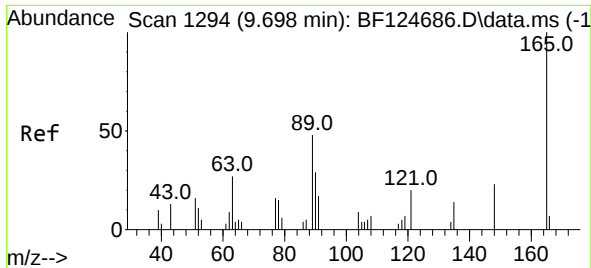
Tgt Ion:330 Resp: 11483  
Ion Ratio Lower Upper  
330 100  
332 97.8 76.2 114.4  
141 50.9 44.6 66.8



#45  
2-Fluorobiphenyl  
Concen: 72.16 ng  
RT: 9.228 min Scan# 1214  
Delta R.T. -0.006 min  
Lab File: BF124698.D  
Acq: 22 Jul 2021 19:59

Tgt Ion:172 Resp: 61295  
Ion Ratio Lower Upper  
172 100  
171 34.8 26.5 39.7  
170 22.9 18.8 28.2

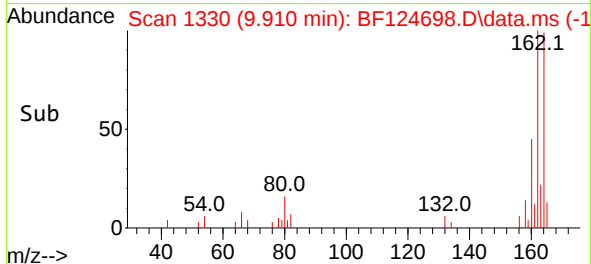
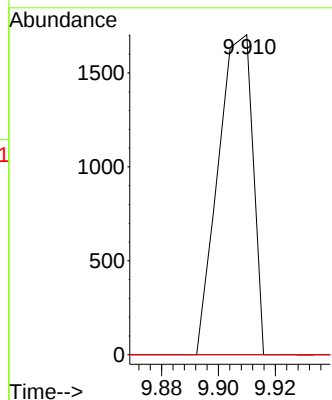
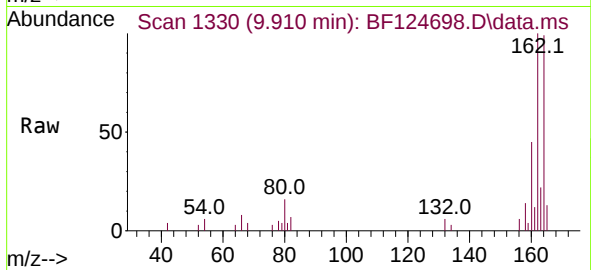




#51  
2,6-Dinitrotoluene  
Concen: 7.60 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. 0.212 min  
Lab File: BF124698.D  
Acq: 22 Jul 2021 19:59

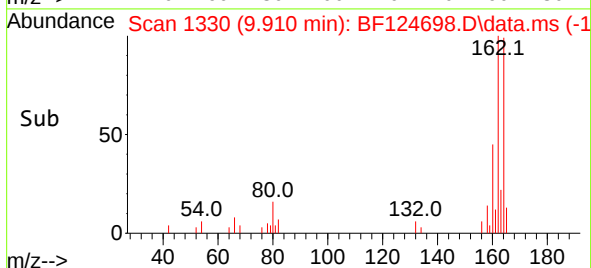
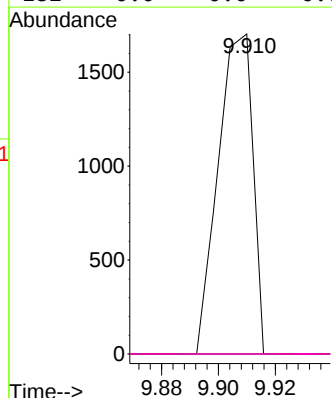
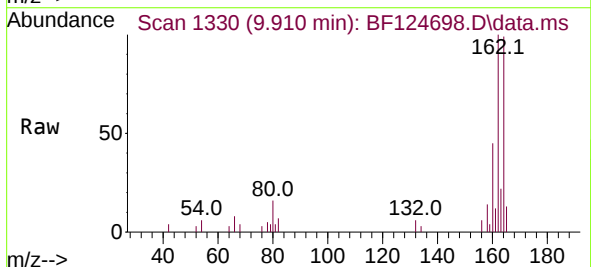
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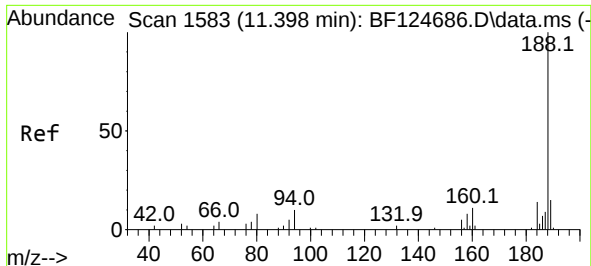
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Ion Ratio Lower Upper  
165 100  
63 0.0 42.6 63.8#  
89 0.0 40.6 60.8#



#57  
2,4-Dinitrotoluene  
Concen: 5.60 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. -0.188 min  
Lab File: BF124698.D  
Acq: 22 Jul 2021 19:59

Tgt Ion:165 Resp: 1443  
Ion Ratio Lower Upper  
165 100  
63 0.0 40.9 61.3#  
89 0.0 59.7 89.5#  
182 0.0 0.0 0.0

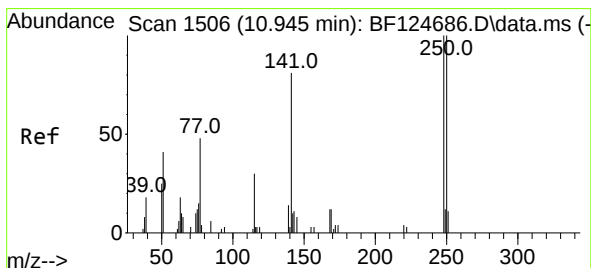
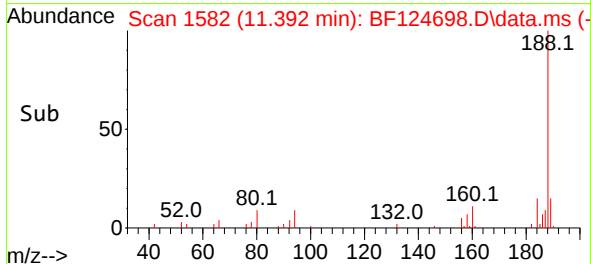
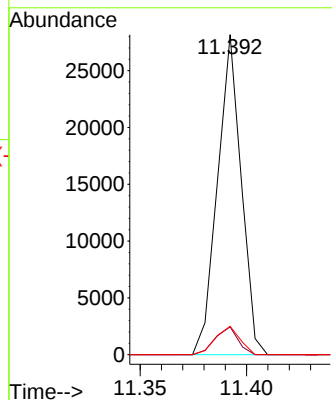
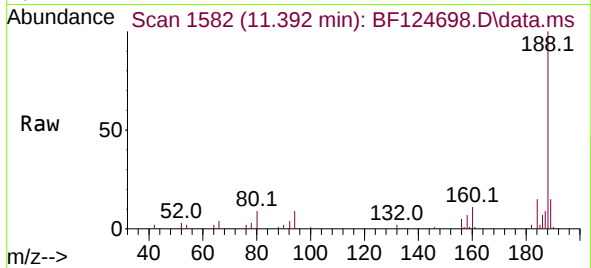




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.392 min Scan# 1582  
Delta R.T. -0.006 min  
Lab File: BF124698.D  
Acq: 22 Jul 2021 19:59

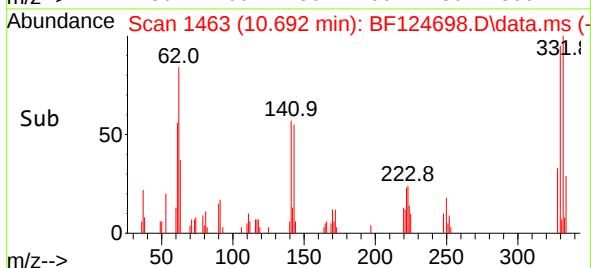
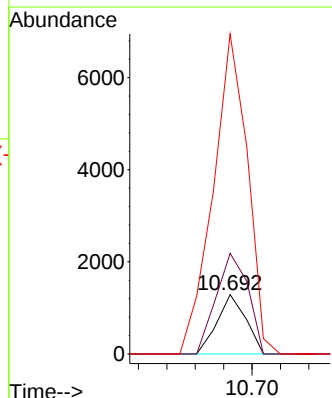
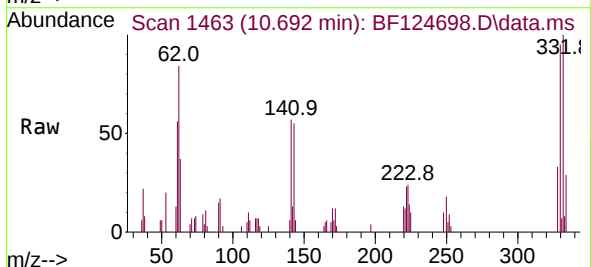
Instrument :  
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20210543-COM-16

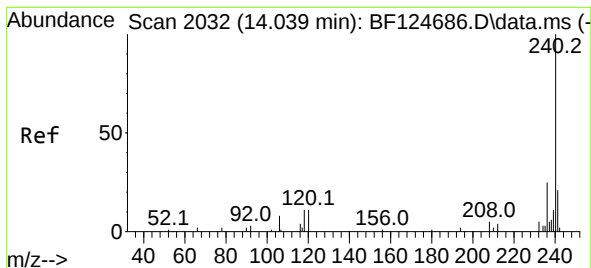
Tgt Ion:188 Resp: 21762  
Ion Ratio Lower Upper  
188 100  
94 8.7 6.7 10.1  
80 8.8 7.5 11.3



#67  
4-Bromophenyl-phenylether  
Concen: 3.90 ng  
RT: 10.692 min Scan# 1463  
Delta R.T. -0.253 min  
Lab File: BF124698.D  
Acq: 22 Jul 2021 19:59

Tgt Ion:248 Resp: 901  
Ion Ratio Lower Upper  
248 100  
250 169.7 74.2 111.4#  
141 539.0 60.4 90.6#

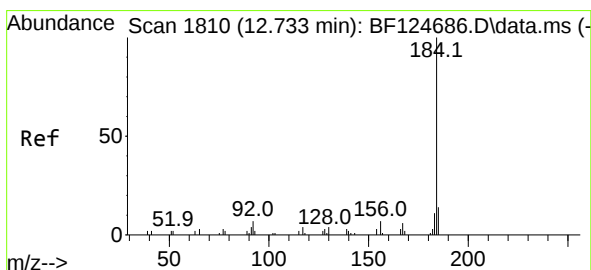
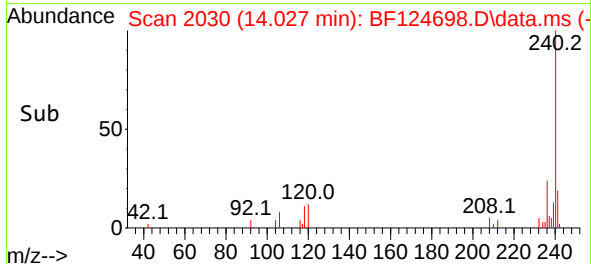
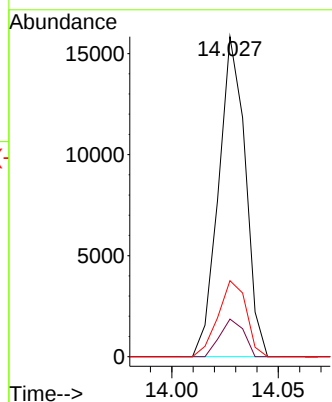
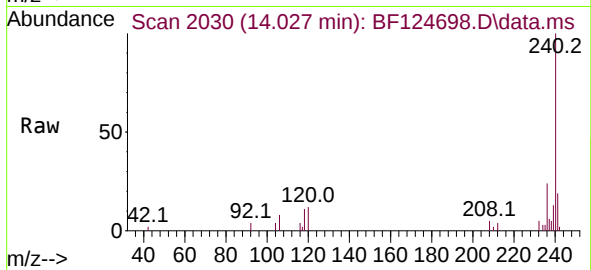




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.027 min Scan# 2030  
Delta R.T. -0.012 min  
Lab File: BF124698.D  
Acq: 22 Jul 2021 19:59

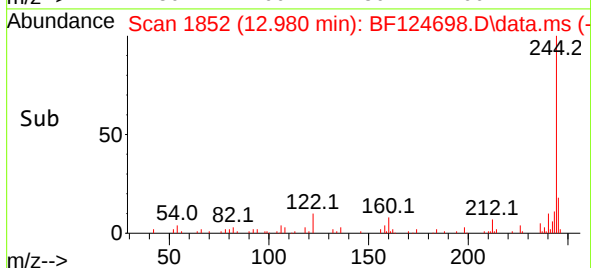
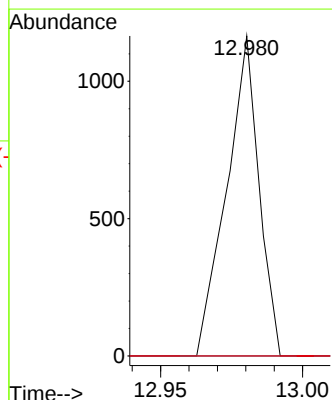
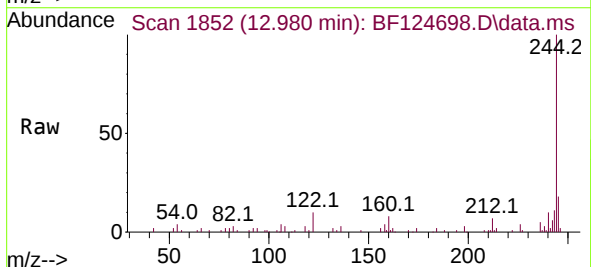
Instrument :  
BNA\_F  
ClientSampleId :  
20210543-COM-16

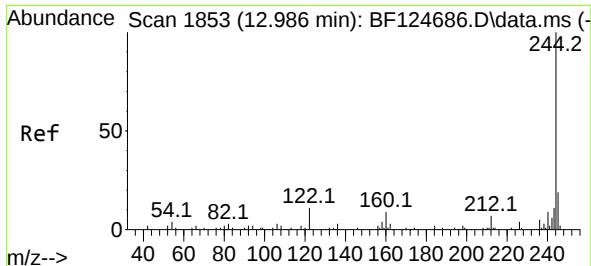
Tgt Ion:240 Resp: 13811  
Ion Ratio Lower Upper  
240 100  
120 11.8 10.8 16.2  
236 23.7 21.6 32.4



#77  
Benzidine  
Concen: 2.37 ng  
RT: 12.980 min Scan# 1852  
Delta R.T. 0.247 min  
Lab File: BF124698.D  
Acq: 22 Jul 2021 19:59

Tgt Ion:184 Resp: 923  
Ion Ratio Lower Upper  
184 100  
185 0.0 10.8 16.2#  
183 0.0 8.1 12.1#

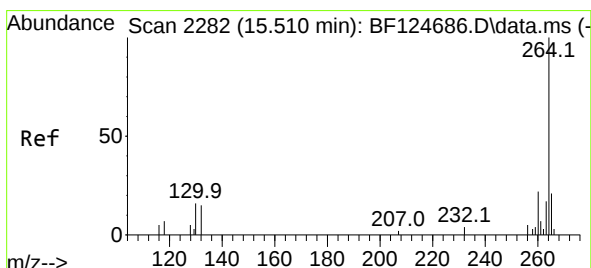
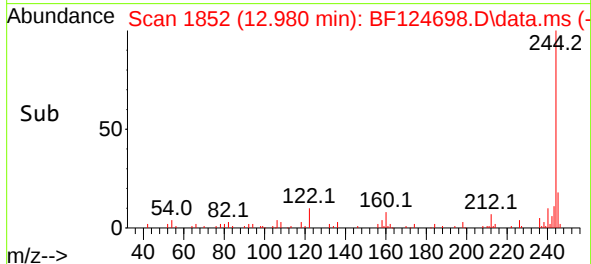
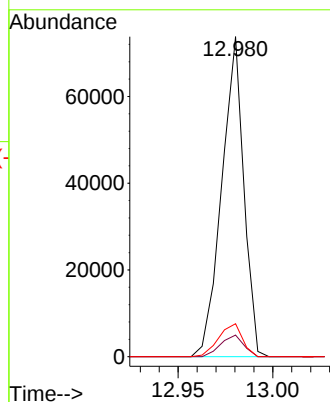
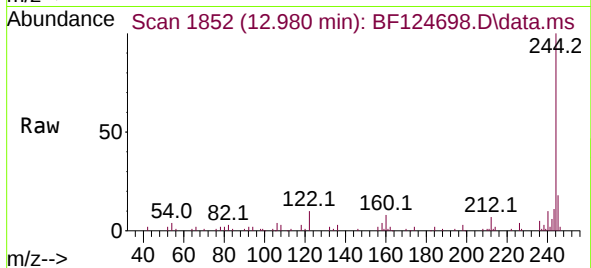




#79  
 Terphenyl-d14  
 Concen: 74.33 ng  
 RT: 12.980 min Scan# 1852  
 Delta R.T. -0.006 min  
 Lab File: BF124698.D  
 Acq: 22 Jul 2021 19:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20210543-COM-16

Tgt Ion:244 Resp: 59887  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.9 8.9  
 122 10.3 9.0 13.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.498 min Scan# 2280  
 Delta R.T. -0.012 min  
 Lab File: BF124698.D  
 Acq: 22 Jul 2021 19:59

Tgt Ion:264 Resp: 12547  
 Ion Ratio Lower Upper  
 264 100  
 260 21.9 19.6 29.4  
 265 19.5 17.2 25.8

