

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072021\  
 Data File : BF124645.D  
 Acq On : 21 Jul 2021 00:53  
 Operator : JU/CG  
 Sample : M3089-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PAR-N2-(A-D)-(0-12)

Quant Time: Jul 21 03:14:22 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF070721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 20 13:36:28 2021  
 Response via : Initial Calibration

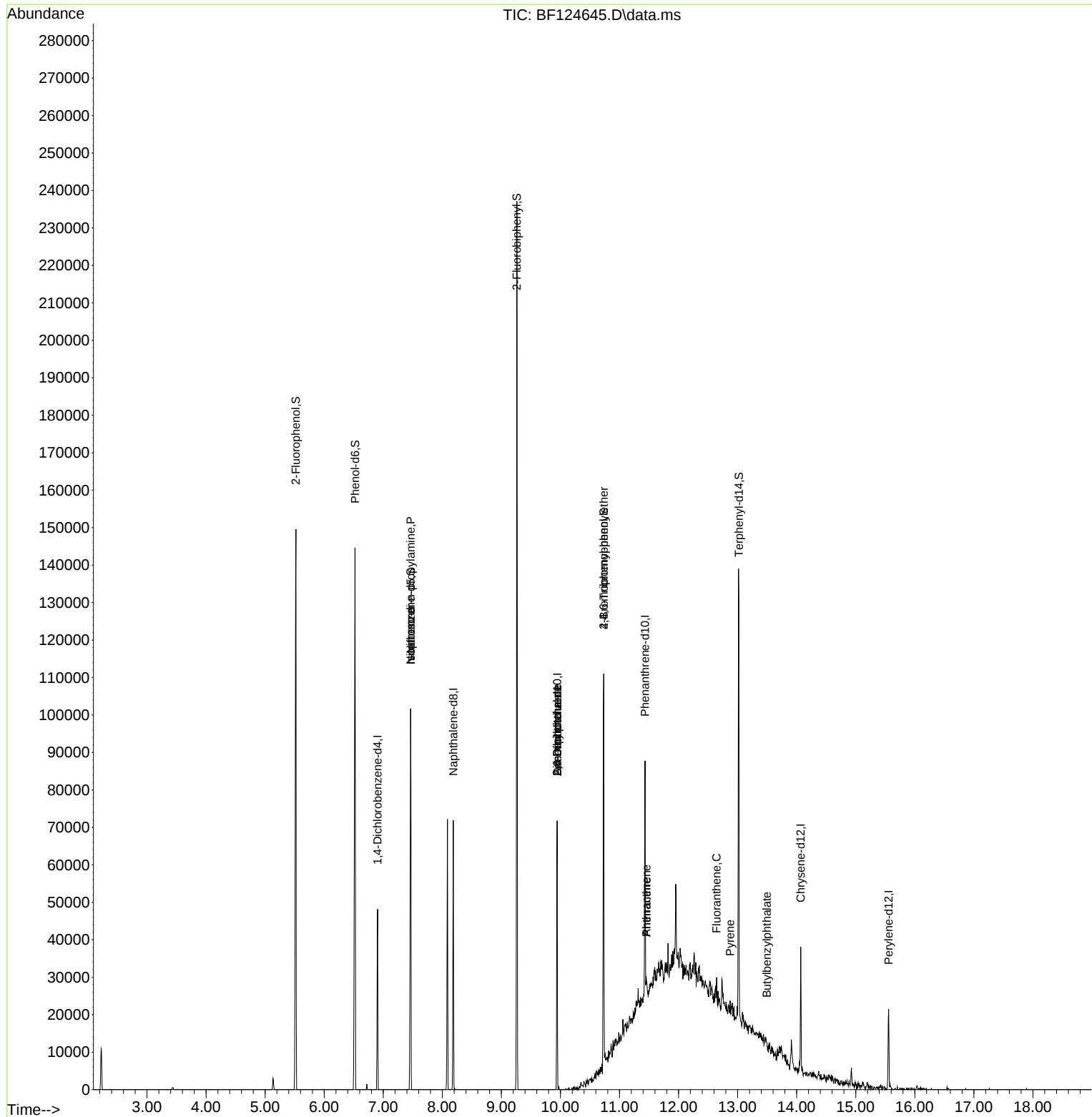
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.904  | 152  | 7338     | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.186  | 136  | 28965    | 20.00  | ng    | #-0.02   |
| 39) Acenaphthene-d10          | 9.945  | 164  | 14999    | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.433 | 188  | 19816    | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12              | 14.068 | 240  | 11064    | 20.00  | ng    | -0.02    |
| 86) Perylene-d12              | 15.557 | 264  | 10592    | 20.00  | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.522  | 112  | 43180    | 101.95 | ng    | -0.01    |
| 7) Phenol-d6                  | 6.522  | 99   | 50821    | 98.64  | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.463  | 82   | 31579    | 68.82  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.733 | 330  | 10106    | 86.58  | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 9.263  | 172  | 67894    | 66.01  | ng    | -0.02    |
| 79) Terphenyl-d14             | 13.021 | 244  | 38519    | 58.46  | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.463  | 70   | 4187     | 14.45  | ng    | # 82     |
| 25) Isophorone                | 7.463  | 82   | 31445    | 37.33  | ng    | # 59     |
| 50) Dimethylphthalate         | 9.945  | 163  | 2583     | 2.48   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.945  | 165  | 1837     | 8.93   | ng    | # 26     |
| 57) 2,4-Dinitrotoluene        | 9.945  | 165  | 1837     | 6.52   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.733 | 248  | 663      | 3.24   | ng    | # 1      |
| 71) Phenanthrene              | 11.457 | 178  | 2662     | 2.46   | ng    | 96       |
| 72) Anthracene                | 11.457 | 178  | 2662     | 2.45   | ng    | 94       |
| 75) Fluoranthene              | 12.645 | 202  | 2390     | 2.19   | ng    | 89       |
| 78) Pyrene                    | 12.874 | 202  | 2059     | 2.24   | ng    | # 87     |
| 80) Butylbenzylphthalate      | 13.492 | 149  | 979      | 2.20   | ng    | # 77     |
| -----                         |        |      |          |        |       |          |

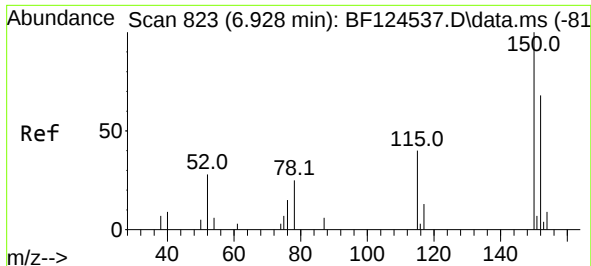
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072021\  
Data File : BF124645.D  
Acq On : 21 Jul 2021 00:53  
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Sample : M3089-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PAR-N2-(A-D)-(0-12)

Quant Time: Jul 21 03:14:22 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF070721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 20 13:36:28 2021  
Response via : Initial Calibration

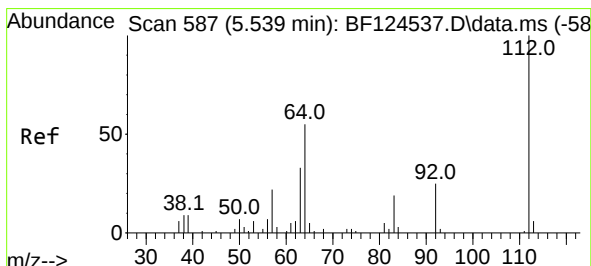
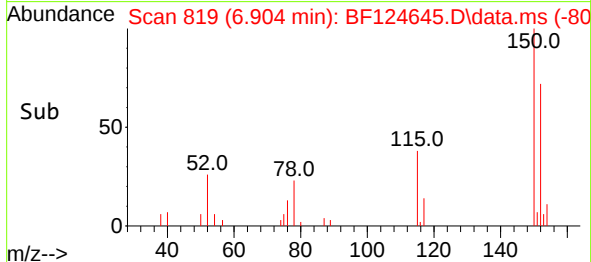
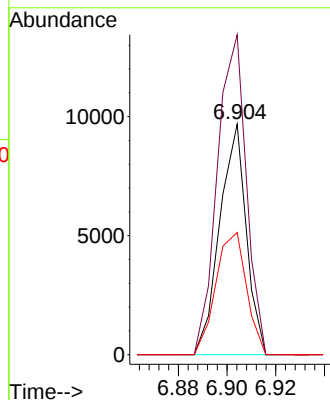
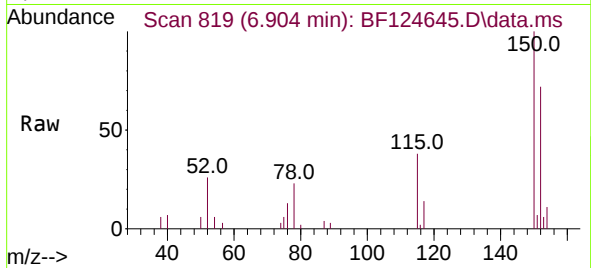




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.904 min Scan# 819  
Delta R.T. -0.012 min  
Lab File: BF124645.D  
Acq: 21 Jul 2021 00:53

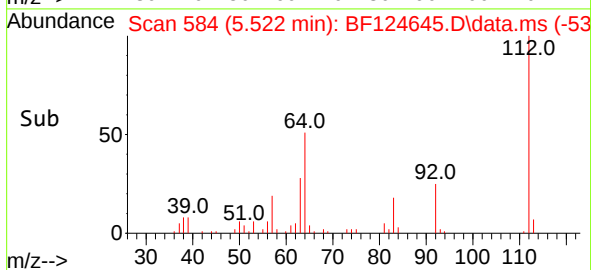
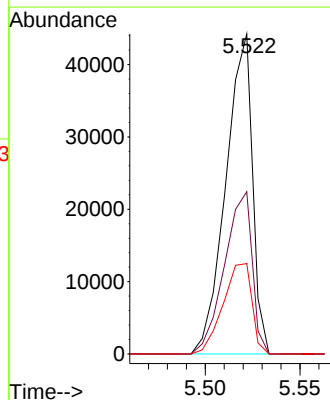
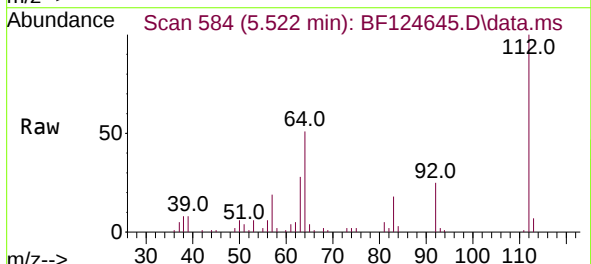
Instrument :  
BNA\_F  
ClientSampleId :  
PAR-N2-(A-D)-(0-12)

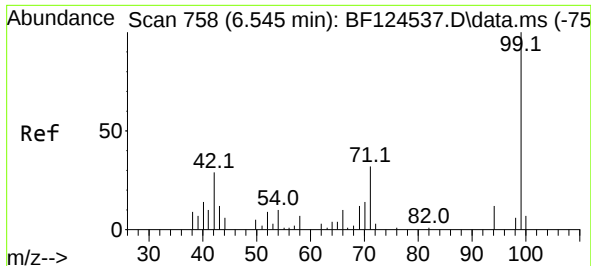
Tgt Ion:152 Resp: 7338  
Ion Ratio Lower Upper  
152 100  
150 138.7 117.6 176.4  
115 53.0 47.1 70.7



#5  
2-Fluorophenol  
Concen: 101.95 ng  
RT: 5.522 min Scan# 584  
Delta R.T. -0.012 min  
Lab File: BF124645.D  
Acq: 21 Jul 2021 00:53

Tgt Ion:112 Resp: 43180  
Ion Ratio Lower Upper  
112 100  
64 50.7 44.2 66.2  
63 28.3 26.2 39.2

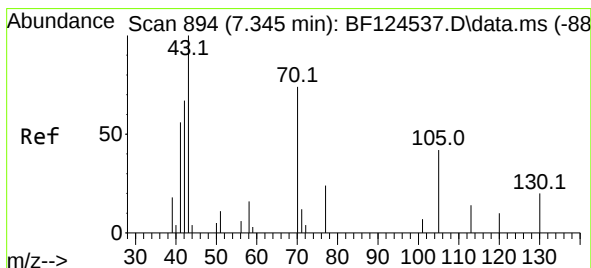
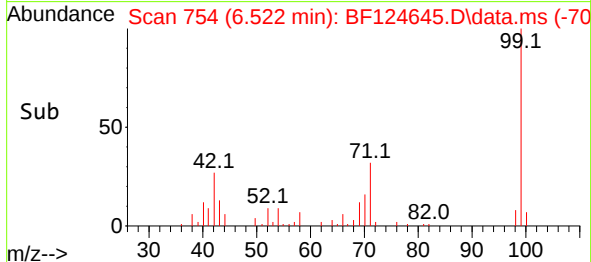
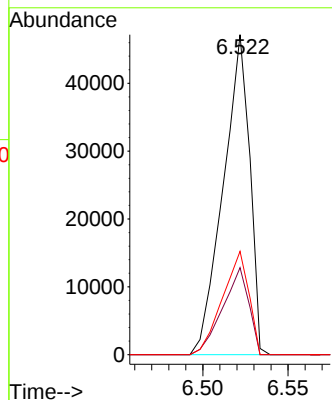
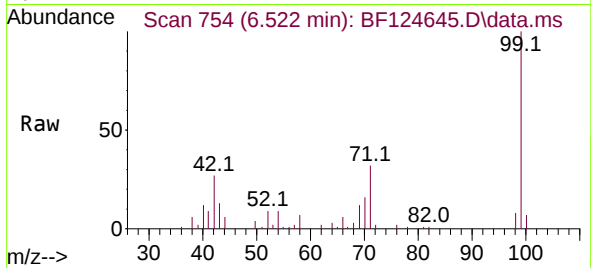




#7  
Phenol-d6  
Concen: 98.64 ng  
RT: 6.522 min Scan# 754  
Delta R.T. -0.023 min  
Lab File: BF124645.D  
Acq: 21 Jul 2021 00:53

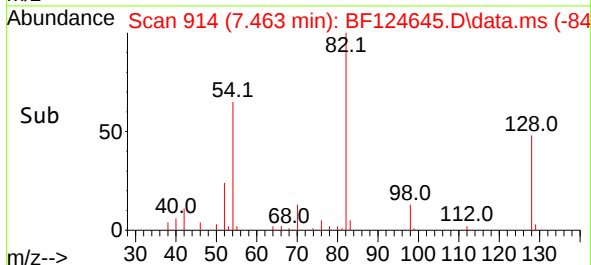
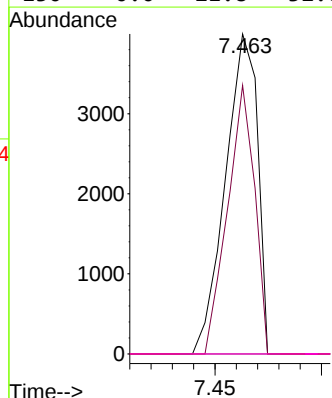
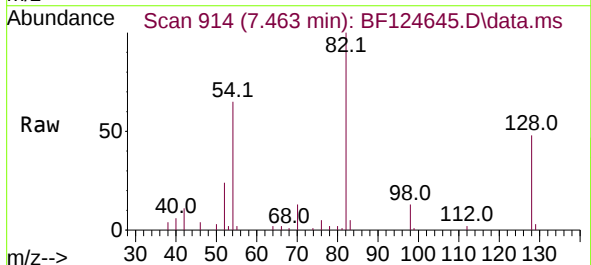
Instrument :  
BNA\_F  
ClientSampleId :  
PAR-N2-(A-D)-(0-12)

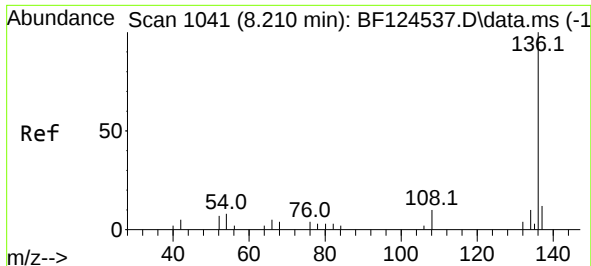
Tgt Ion: 99 Resp: 50821  
Ion Ratio Lower Upper  
99 100  
42 27.2 23.5 35.3  
71 32.3 25.6 38.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.45 ng  
RT: 7.463 min Scan# 914  
Delta R.T. 0.130 min  
Lab File: BF124645.D  
Acq: 21 Jul 2021 00:53

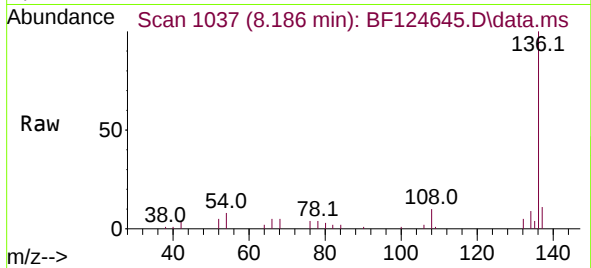
Tgt Ion: 70 Resp: 4187  
Ion Ratio Lower Upper  
70 100  
42 84.0 72.2 108.2  
101 0.0 7.8 11.8#  
130 0.0 21.8 32.6#



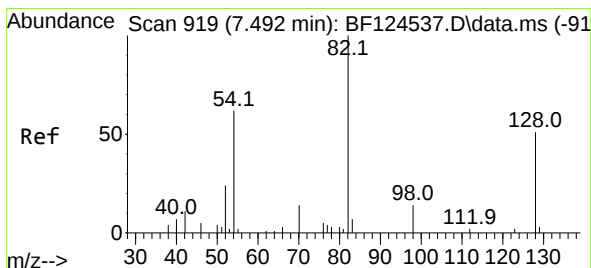
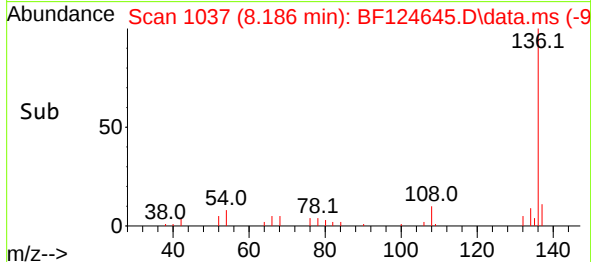
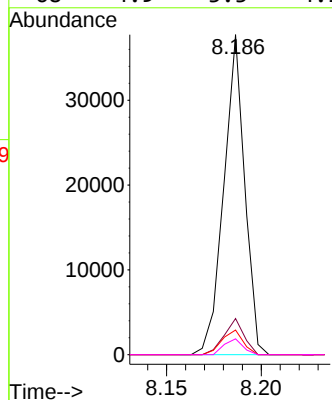


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.186 min Scan# 1037  
Delta R.T. -0.018 min  
Lab File: BF124645.D  
Acq: 21 Jul 2021 00:53

Instrument :  
BNA\_F  
ClientSampleId :  
PAR-N2-(A-D)-(0-12)

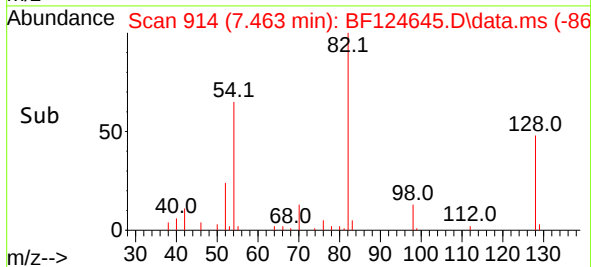
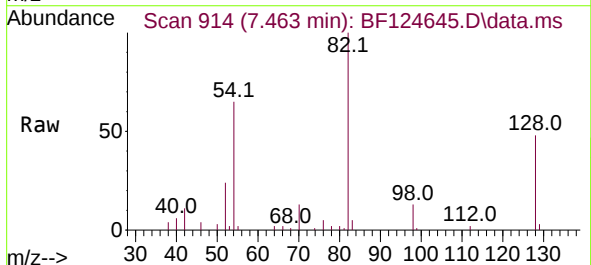
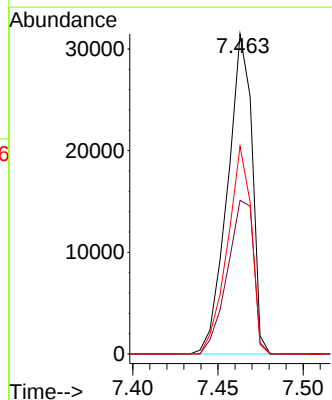


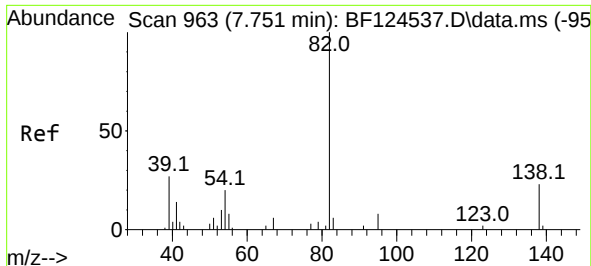
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 28965 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.3  | 9.8   | 14.6  |
| 54        | 7.7   | 6.4   | 9.6   |
| 68        | 4.9   | 3.3   | 4.9   |



#23  
Nitrobenzene-d5  
Concen: 68.82 ng  
RT: 7.463 min Scan# 914  
Delta R.T. -0.023 min  
Lab File: BF124645.D  
Acq: 21 Jul 2021 00:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 31579 |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 48.0  | 40.6  | 60.8  |
| 54        | 65.0  | 49.6  | 74.4  |

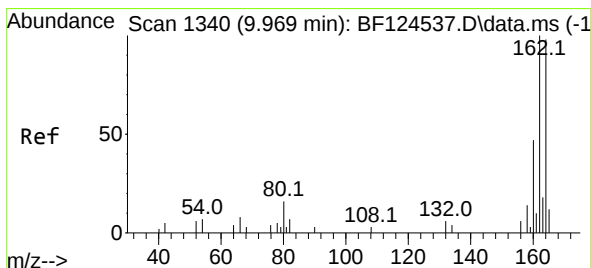
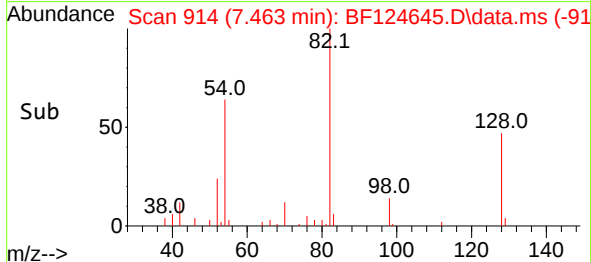
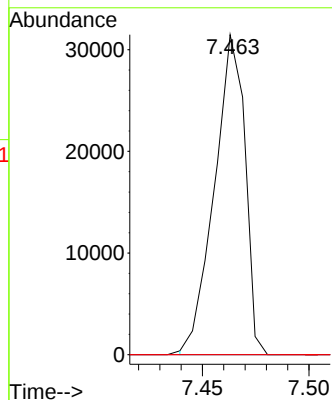
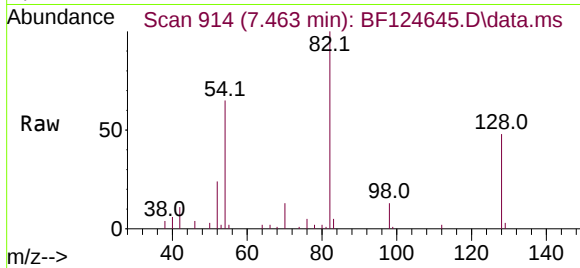




#25  
Isophorone  
Concen: 37.33 ng  
RT: 7.463 min Scan# 914  
Delta R.T. -0.282 min  
Lab File: BF124645.D  
Acq: 21 Jul 2021 00:53

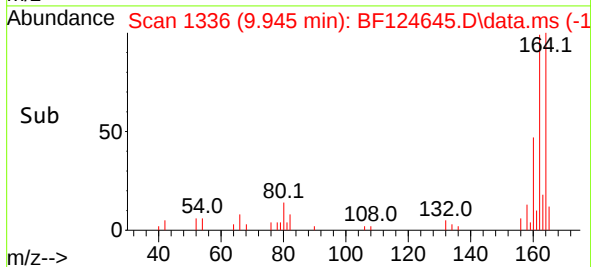
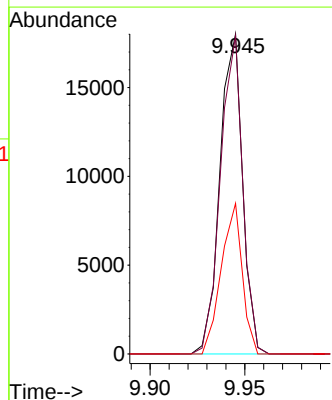
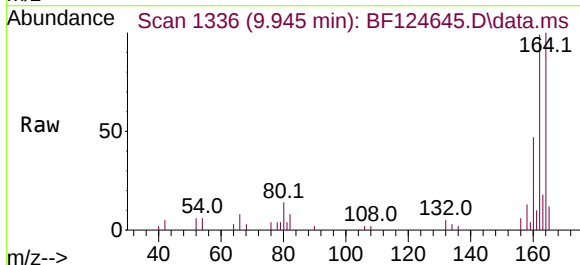
Instrument :  
BNA\_F  
ClientSampleId :  
PAR-N2-(A-D)-(0-12)

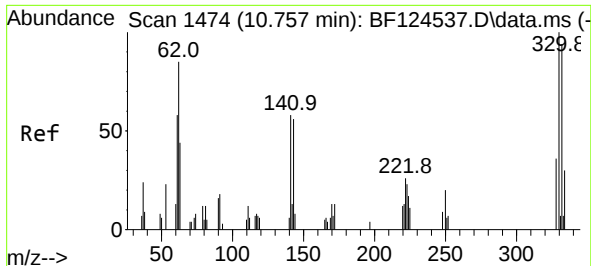
Tgt Ion: 82 Resp: 31445  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.5 9.7#  
138 0.0 18.4 27.6#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.945 min Scan# 1336  
Delta R.T. -0.012 min  
Lab File: BF124645.D  
Acq: 21 Jul 2021 00:53

Tgt Ion:164 Resp: 14999  
Ion Ratio Lower Upper  
164 100  
162 99.4 81.3 121.9  
160 47.1 38.0 57.0

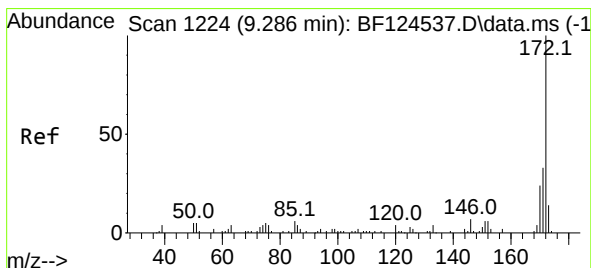
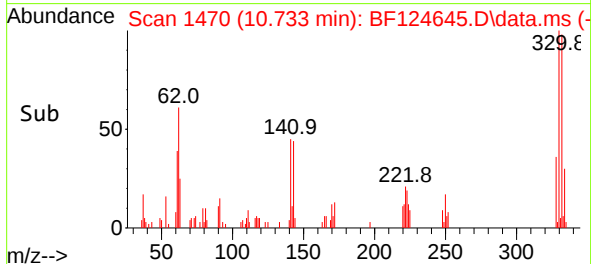
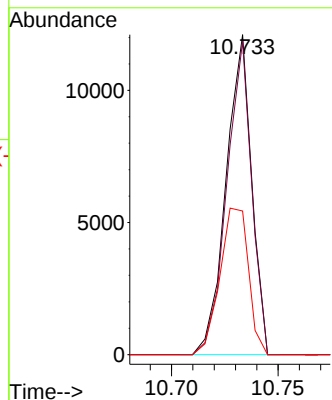
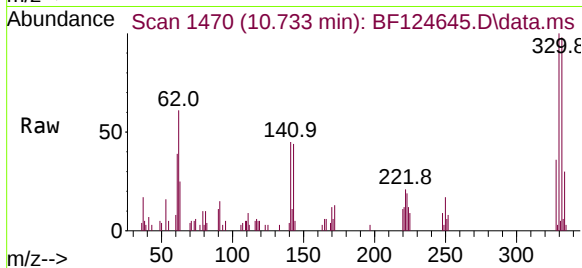




#42  
2,4,6-Tribromophenol  
Concen: 86.58 ng  
RT: 10.733 min Scan# 1470  
Delta R.T. -0.018 min  
Lab File: BF124645.D  
Acq: 21 Jul 2021 00:53

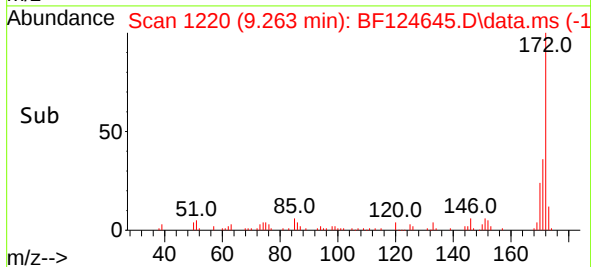
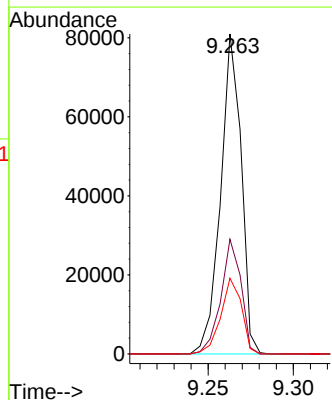
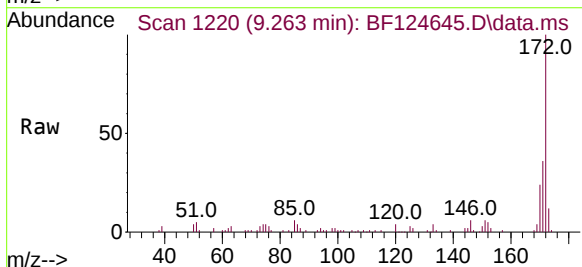
Instrument :  
BNA\_F  
ClientSampleId :  
PAR-N2-(A-D)-(0-12)

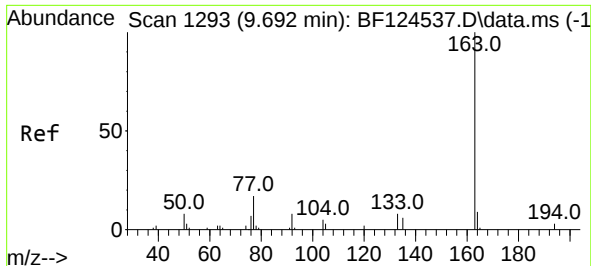
Tgt Ion: 330 Resp: 10106  
Ion Ratio Lower Upper  
330 100  
332 95.2 76.2 114.4  
141 51.3 44.6 66.8



#45  
2-Fluorobiphenyl  
Concen: 66.01 ng  
RT: 9.263 min Scan# 1220  
Delta R.T. -0.018 min  
Lab File: BF124645.D  
Acq: 21 Jul 2021 00:53

Tgt Ion: 172 Resp: 67894  
Ion Ratio Lower Upper  
172 100  
171 35.9 26.5 39.7  
170 23.7 18.8 28.2

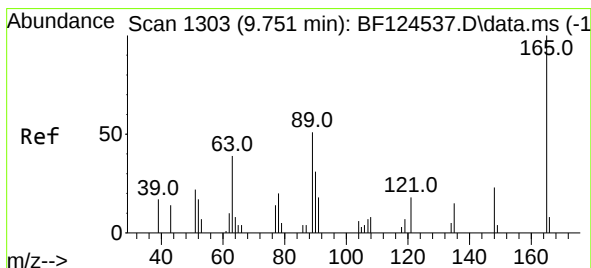
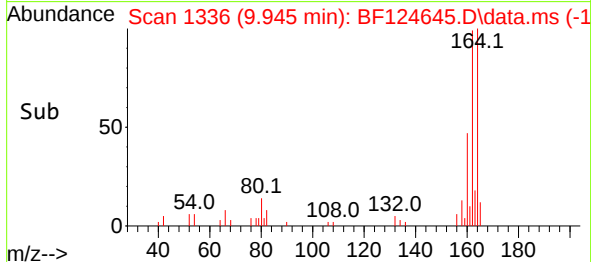
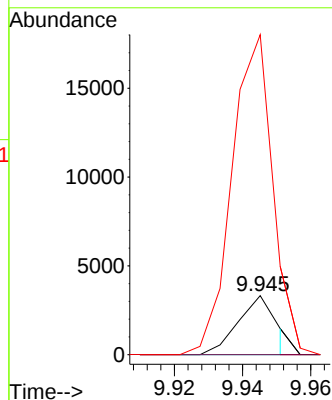
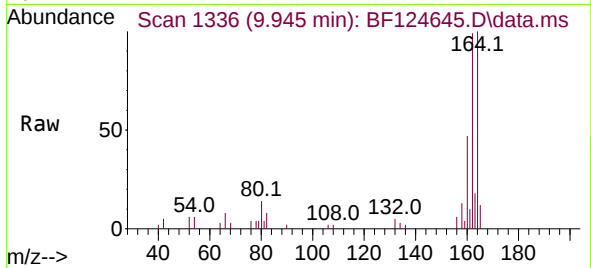




#50  
Dimethylphthalate  
Concen: 2.48 ng  
RT: 9.945 min Scan# 1336  
Delta R.T. 0.259 min  
Lab File: BF124645.D  
Acq: 21 Jul 2021 00:53

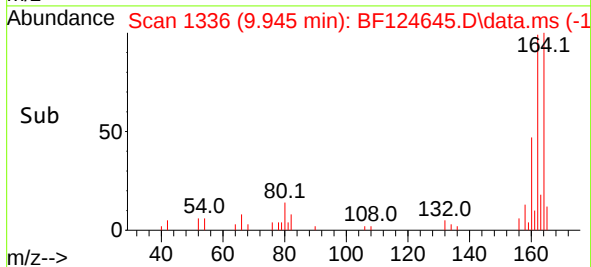
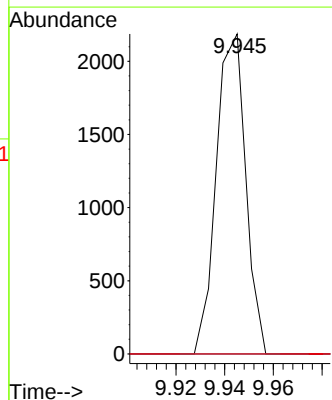
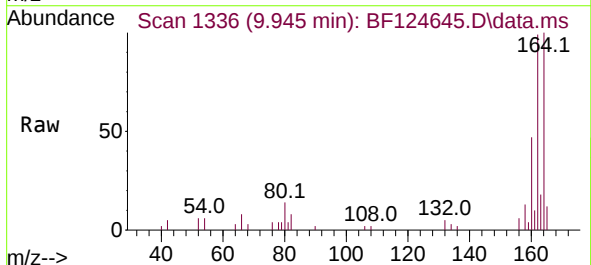
Instrument :  
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PAR-N2-(A-D)-(0-12)

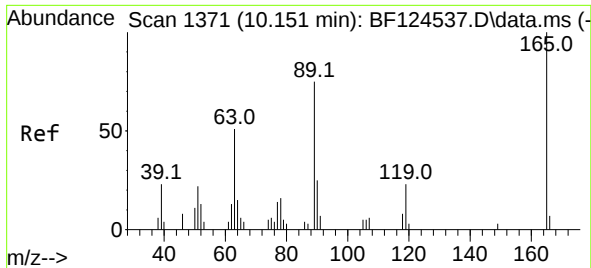
Tgt Ion:163 Resp: 2583  
Ion Ratio Lower Upper  
163 100  
194 0.0 2.6 3.8#  
164 542.3 7.4 11.0#



#51  
2,6-Dinitrotoluene  
Concen: 8.93 ng  
RT: 9.945 min Scan# 1336  
Delta R.T. 0.200 min  
Lab File: BF124645.D  
Acq: 21 Jul 2021 00:53

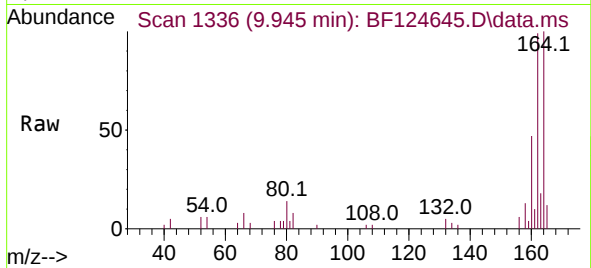
Tgt Ion:165 Resp: 1837  
Ion Ratio Lower Upper  
165 100  
63 0.0 42.6 63.8#  
89 0.0 40.6 60.8#



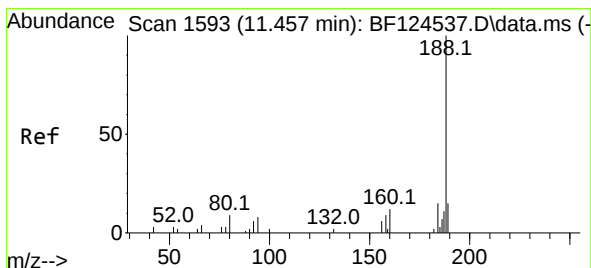
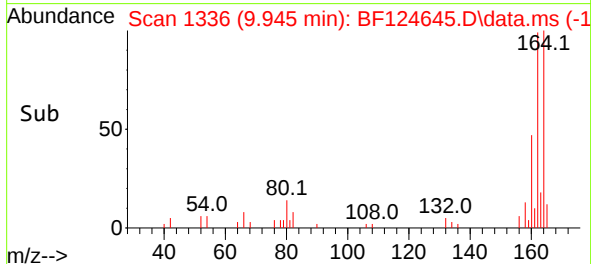
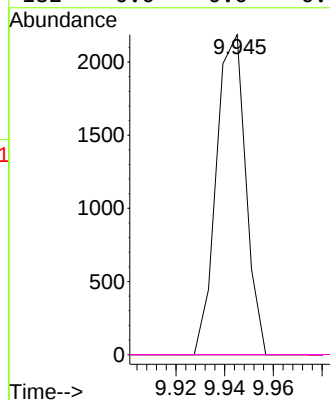


#57  
2,4-Dinitrotoluene  
Concen: 6.52 ng  
RT: 9.945 min Scan# 1336  
Delta R.T. -0.200 min  
Lab File: BF124645.D  
Acq: 21 Jul 2021 00:53

Instrument :  
BNA\_F  
ClientSampleId :  
PAR-N2-(A-D)-(0-12)

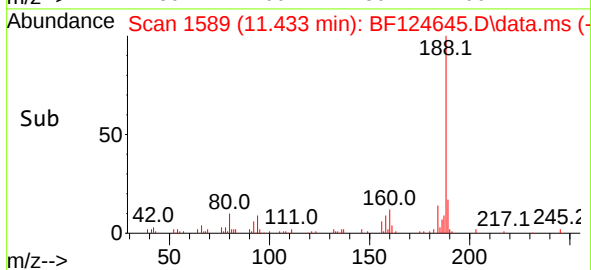
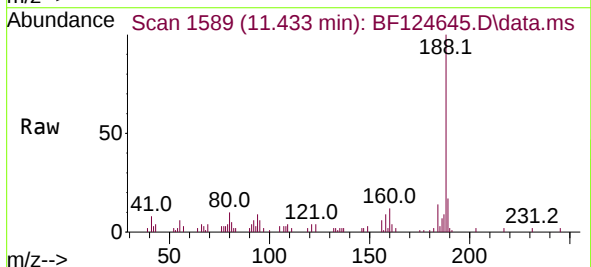
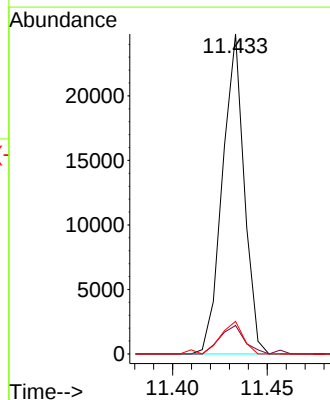


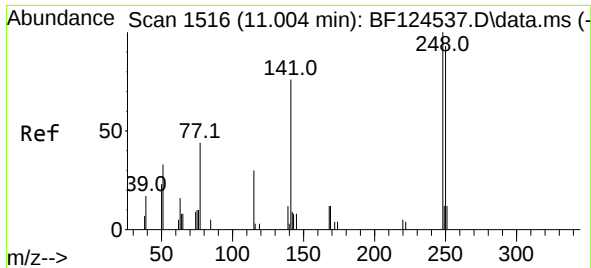
Tgt Ion:165 Resp: 1837  
Ion Ratio Lower Upper  
165 100  
63 0.0 40.9 61.3#  
89 0.0 59.7 89.5#  
182 0.0 0.0 0.0



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.433 min Scan# 1589  
Delta R.T. -0.012 min  
Lab File: BF124645.D  
Acq: 21 Jul 2021 00:53

Tgt Ion:188 Resp: 19816  
Ion Ratio Lower Upper  
188 100  
94 8.9 6.7 10.1  
80 10.2 7.5 11.3

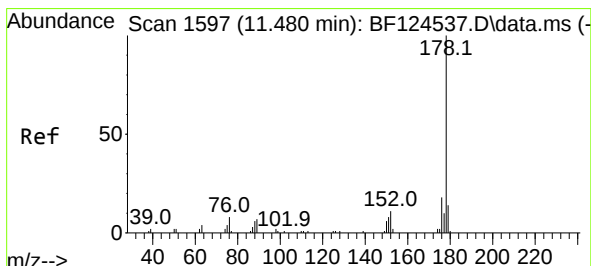
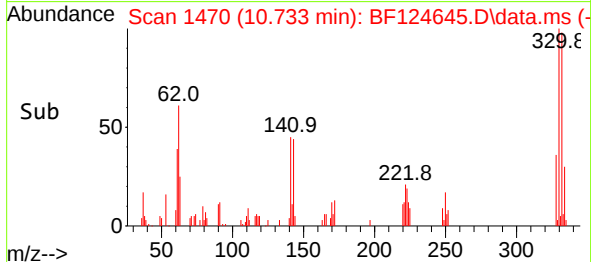
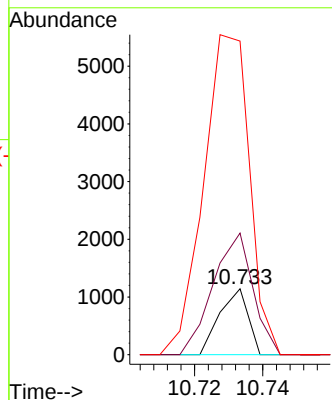
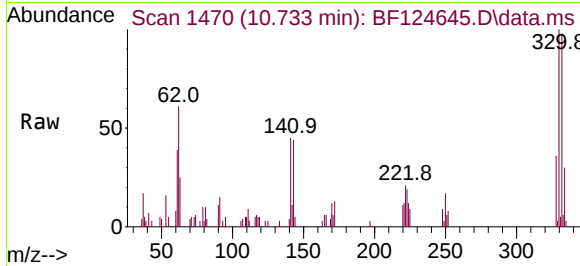




#67  
4-Bromophenyl-phenylether  
Concen: 3.24 ng  
RT: 10.733 min Scan# 1470  
Delta R.T. -0.259 min  
Lab File: BF124645.D  
Acq: 21 Jul 2021 00:53

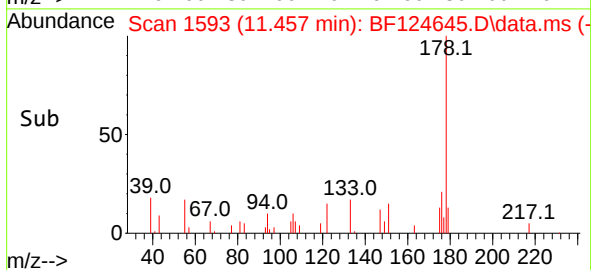
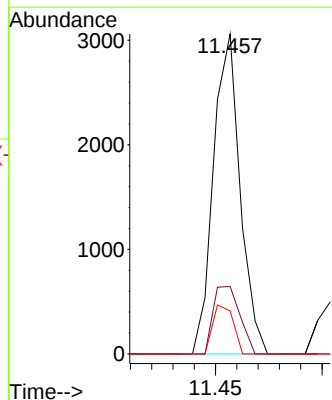
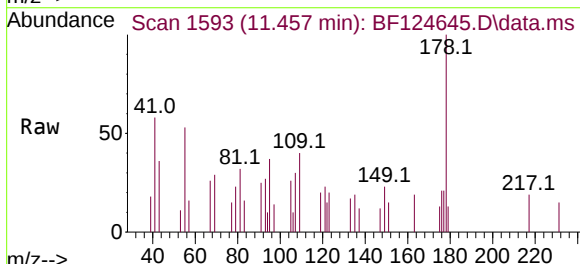
Instrument :  
BNA\_F  
ClientSampleId :  
PAR-N2-(A-D)-(0-12)

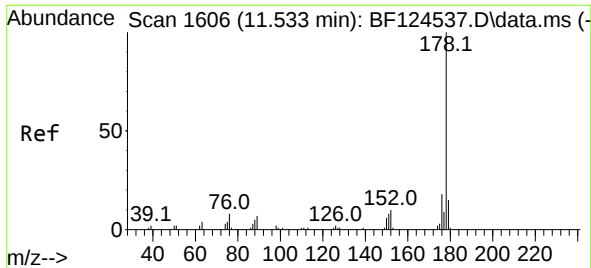
Tgt Ion:248 Resp: 663  
Ion Ratio Lower Upper  
248 100  
250 184.3 74.2 111.4#  
141 475.0 60.4 90.6#



#71  
Phenanthrene  
Concen: 2.46 ng  
RT: 11.457 min Scan# 1593  
Delta R.T. -0.018 min  
Lab File: BF124645.D  
Acq: 21 Jul 2021 00:53

Tgt Ion:178 Resp: 2662  
Ion Ratio Lower Upper  
178 100  
176 21.1 14.7 22.1  
179 13.5 11.5 17.3

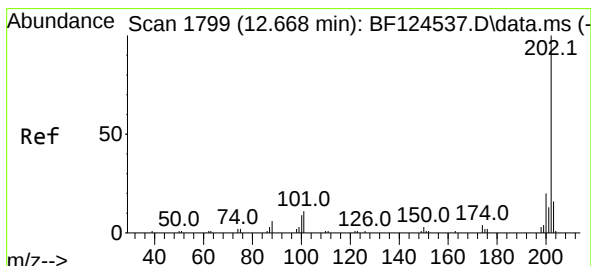
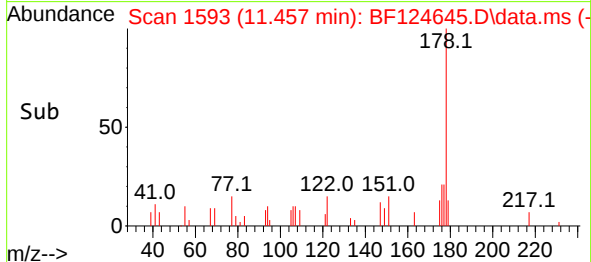
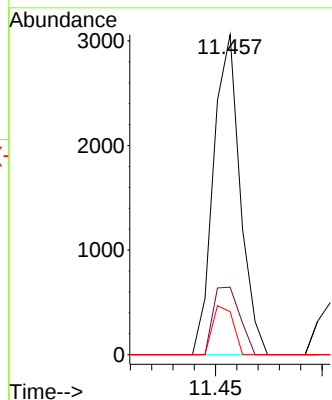
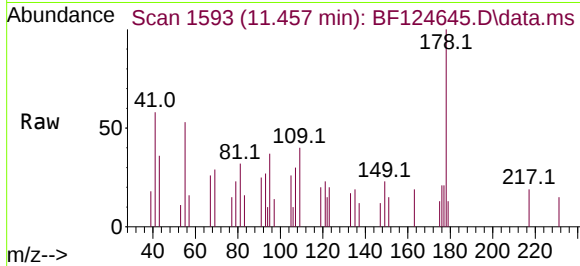




#72  
 Anthracene  
 Concen: 2.45 ng  
 RT: 11.457 min Scan# 1593  
 Delta R.T. -0.065 min  
 Lab File: BF124645.D  
 Acq: 21 Jul 2021 00:53

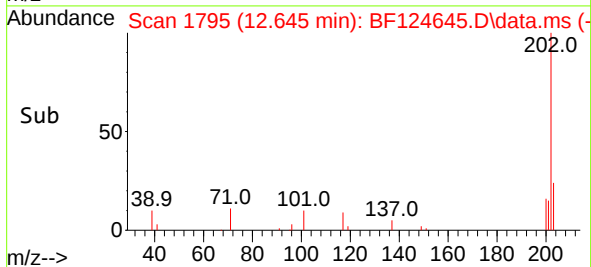
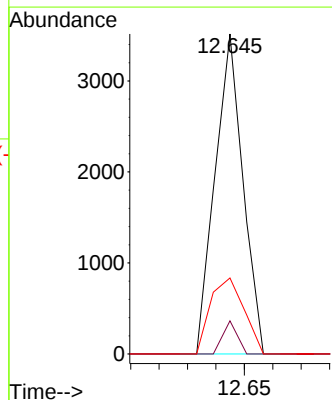
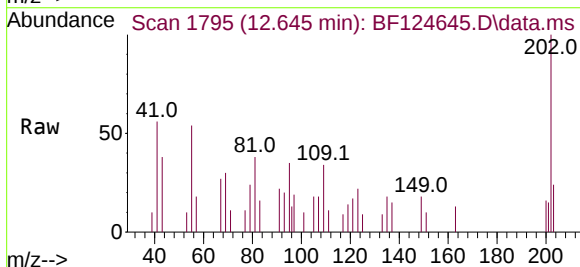
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PAR-N2-(A-D)-(0-12)

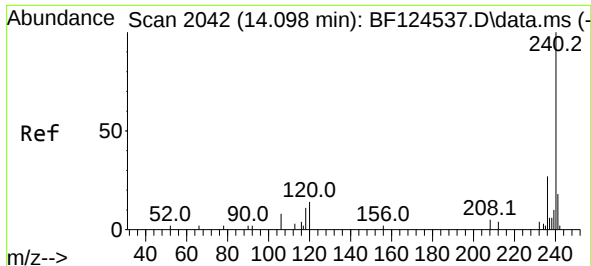
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 2662      |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 21.1  | 14.3 21.5 |
| 179         | 13.5  | 12.2 18.4 |



#75  
 Fluoranthene  
 Concen: 2.19 ng  
 RT: 12.645 min Scan# 1795  
 Delta R.T. -0.018 min  
 Lab File: BF124645.D  
 Acq: 21 Jul 2021 00:53

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:202 | Resp: | 2390     |
| Ion Ratio   | Lower | Upper    |
| 202         | 100   |          |
| 101         | 10.4  | 0.0 30.7 |
| 203         | 23.8  | 0.0 36.3 |

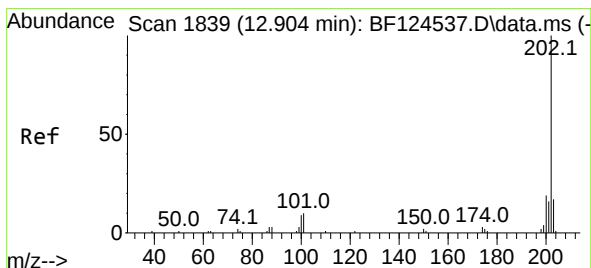
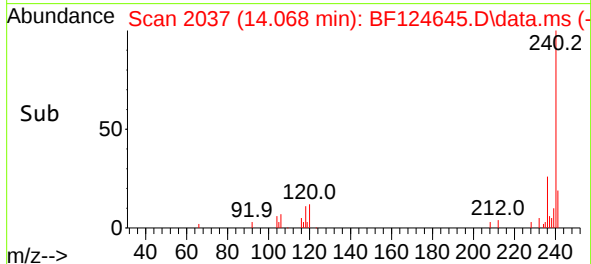
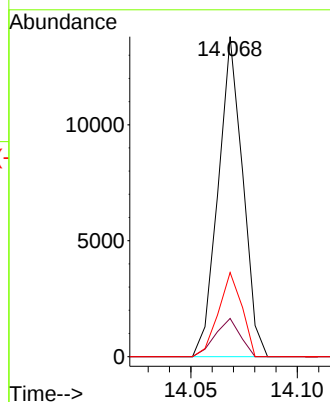
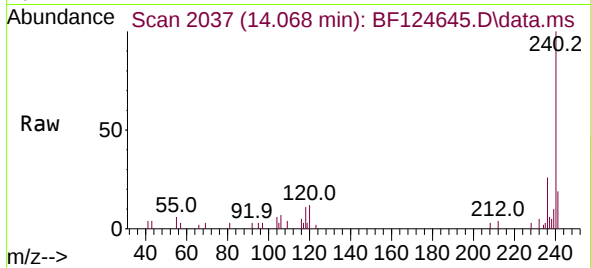




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.068 min Scan# 2037  
Delta R.T. -0.018 min  
Lab File: BF124645.D  
Acq: 21 Jul 2021 00:53

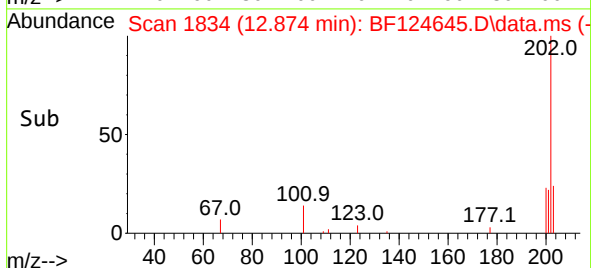
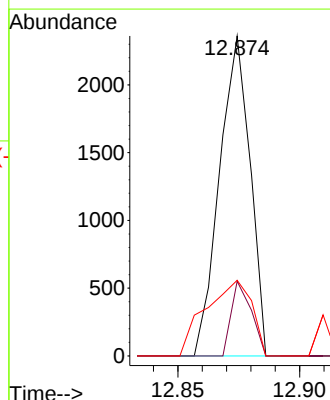
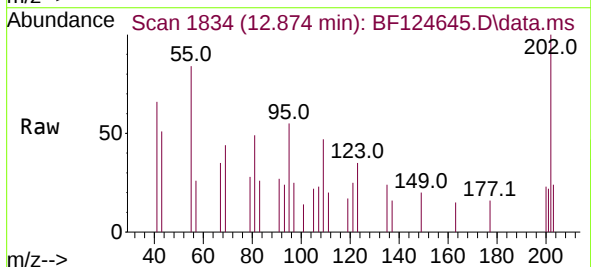
Instrument :  
BNA\_F  
ClientSampleId :  
PAR-N2-(A-D)-(0-12)

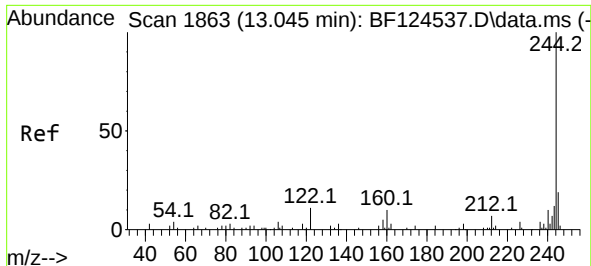
Tgt Ion:240 Resp: 11064  
Ion Ratio Lower Upper  
240 100  
120 11.9 10.8 16.2  
236 26.3 21.6 32.4



#78  
Pyrene  
Concen: 2.24 ng  
RT: 12.874 min Scan# 1834  
Delta R.T. -0.018 min  
Lab File: BF124645.D  
Acq: 21 Jul 2021 00:53

Tgt Ion:202 Resp: 2059  
Ion Ratio Lower Upper  
202 100  
200 23.3 15.3 22.9#  
203 23.6 13.4 20.0#

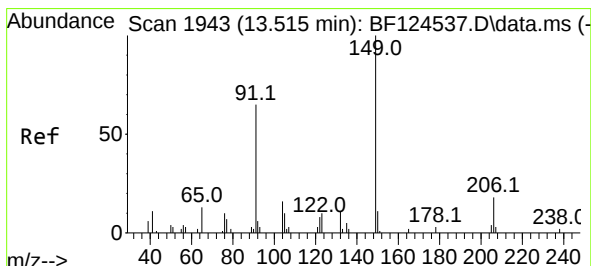
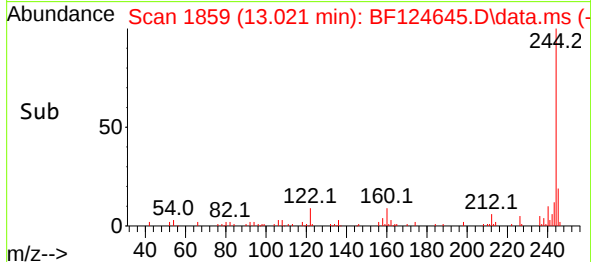
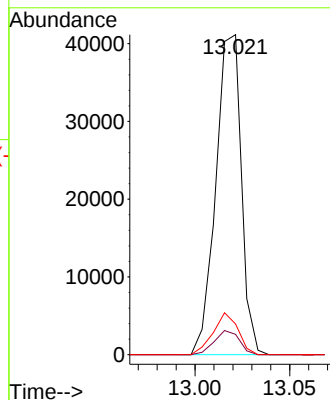
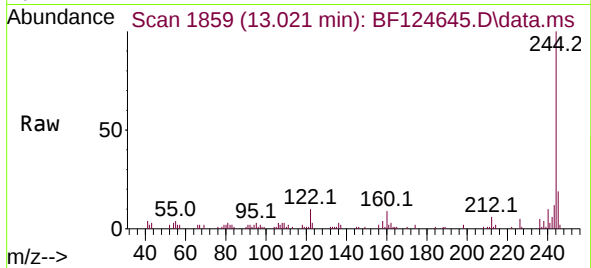




#79  
 Terphenyl-d14  
 Concen: 58.46 ng  
 RT: 13.021 min Scan# 1859  
 Delta R.T. -0.012 min  
 Lab File: BF124645.D  
 Acq: 21 Jul 2021 00:53

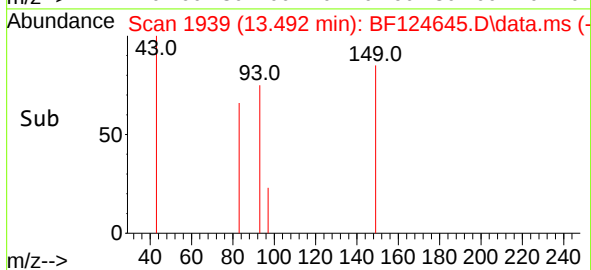
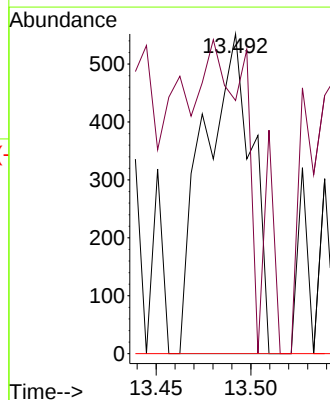
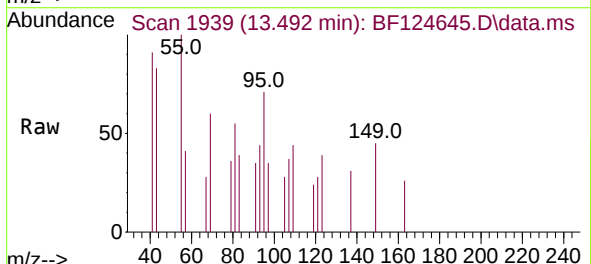
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PAR-N2-(A-D)-(0-12)

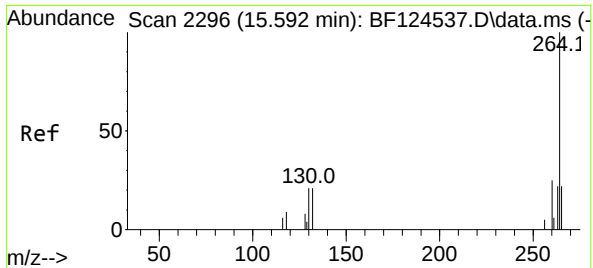
Tgt Ion:244 Resp: 38519  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 5.9 8.9  
 122 9.6 9.0 13.4



#80  
 Butylbenzylphthalate  
 Concen: 2.20 ng  
 RT: 13.492 min Scan# 1939  
 Delta R.T. -0.012 min  
 Lab File: BF124645.D  
 Acq: 21 Jul 2021 00:53

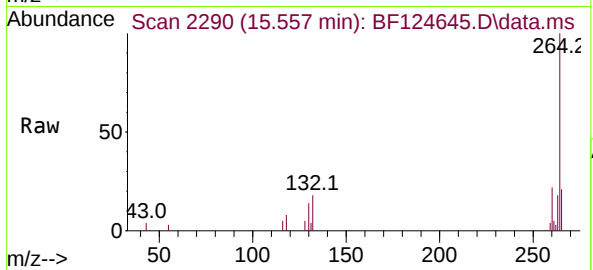
Tgt Ion:149 Resp: 979  
 Ion Ratio Lower Upper  
 149 100  
 91 79.2 51.8 77.8#  
 206 0.0 14.5 21.7#





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.557 min Scan# 2290  
 Delta R.T. -0.012 min  
 Lab File: BF124645.D  
 Acq: 21 Jul 2021 00:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PAR-N2-(A-D)-(0-12)



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 264   | Resp: | 10592 |
| Ion Ratio | Lower | Upper |       |
| 264       | 100   |       |       |
| 260       | 21.7  | 19.6  | 29.4  |
| 265       | 20.6  | 17.2  | 25.8  |

