

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011821\  
 Data File : BF123009.D  
 Acq On : 19 Jan 2021 2:50  
 Operator : JU/CG  
 Sample : M1081-08  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-5

Quant Time: Jan 19 03:36:52 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF011621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 18 13:14:08 2021  
 Response via : Initial Calibration

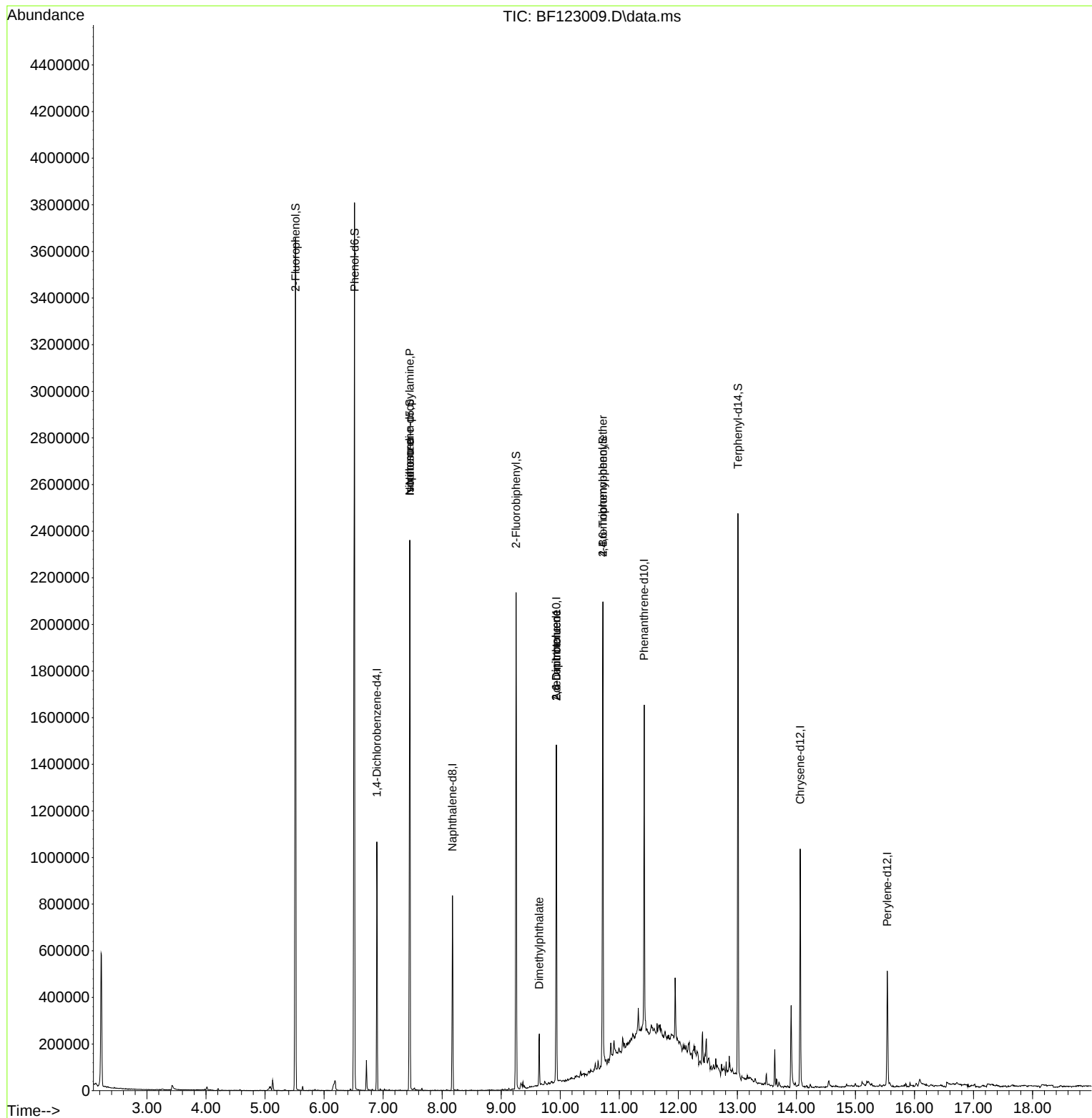
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 128892   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 337015   | 20.00     | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.933  | 164  | 261991   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.421 | 188  | 422812   | 20.00     | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.062 | 240  | 297677   | 20.00     | ng    | #-0.01   |
| 86) Perylene-d12              | 15.539 | 264  | 197791   | 20.00     | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 821906   | 96.39     | ng    | 0.00     |
| 7) Phenol-d6                  | 6.516  | 99   | 1049173  | 91.55     | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 730307   | 111.51    | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 212500   | 71.72     | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 602865   | 32.22     | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.010 | 244  | 655515   | 40.38     | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.516  | 77   | 1754     | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.451  | 70   | 103007   | 15.17     | ng    | # 73     |
| 25) Isophorone                | 7.451  | 82   | 730288   | 62.50     | ng    | # 65     |
| 50) Dimethylphthalate         | 9.645  | 163  | 78669    | 3.87      | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.933  | 165  | 35067    | 7.88      | ng    | # 32     |
| 57) 2,4-Dinitrotoluene        | 9.933  | 165  | 35068    | 6.13      | ng    | # 26     |
| 67) 4-Bromophenyl-phenylether | 10.722 | 248  | 12690    | 2.45      | ng    | # 1      |
| -----                         |        |      |          |           |       |          |

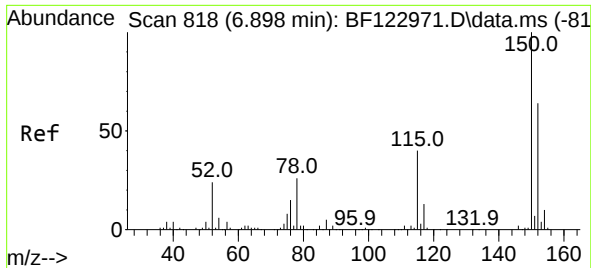
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jan 18 13:14:08 2021  
Response via : Initial Calibration

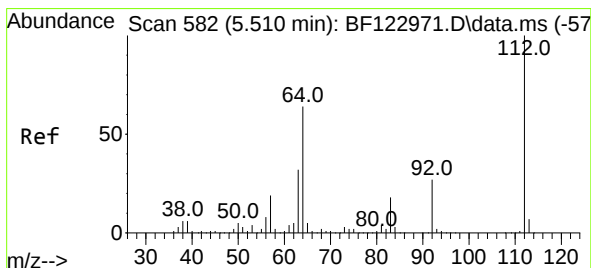
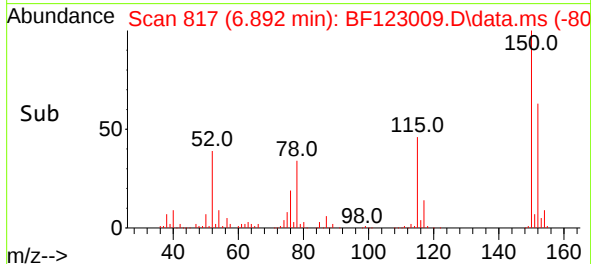
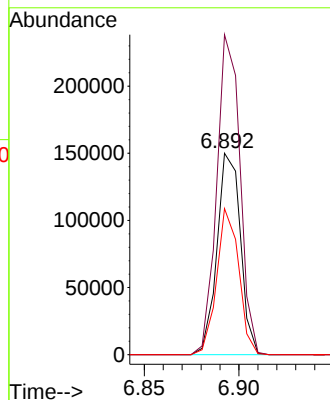
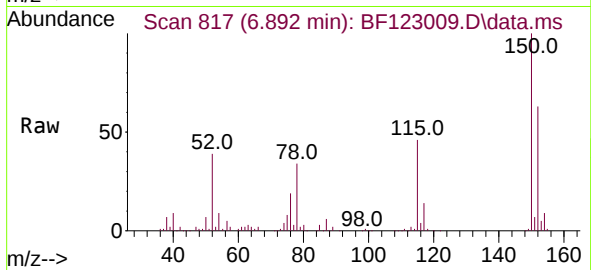




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.892 min Scan# 817  
Delta R.T. -0.006 min  
Lab File: BF123009.D  
Acq: 19 Jan 2021 2:50

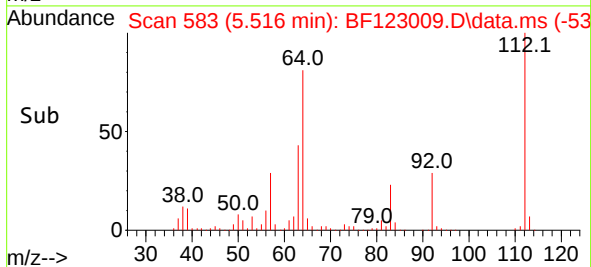
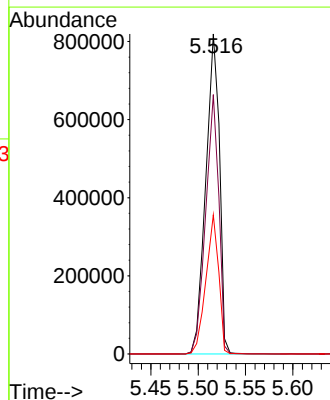
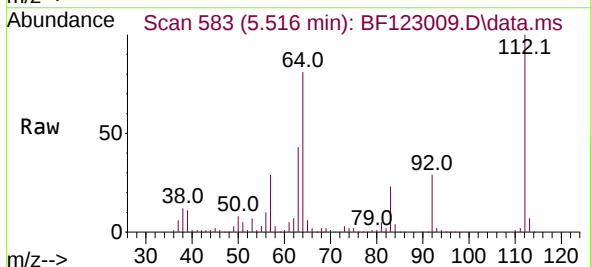
Instrument :  
BNA\_F  
ClientSampleId :  
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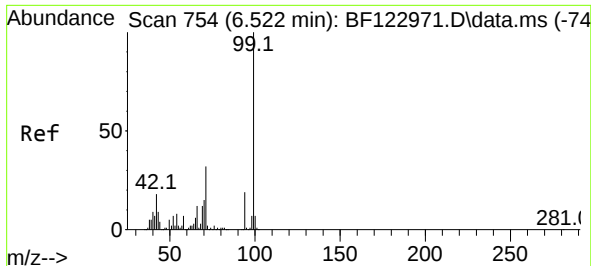
Tgt Ion:152 Resp: 128892  
Ion Ratio Lower Upper  
152 100  
150 158.8 125.8 188.6  
115 72.5 49.3 73.9



#5  
2-Fluorophenol  
Concen: 96.39 ng  
RT: 5.516 min Scan# 583  
Delta R.T. 0.006 min  
Lab File: BF123009.D  
Acq: 19 Jan 2021 2:50

Tgt Ion:112 Resp: 821906  
Ion Ratio Lower Upper  
112 100  
64 81.0 46.9 70.3#  
63 43.5 24.5 36.7#

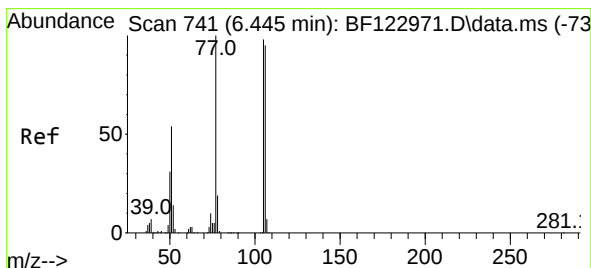
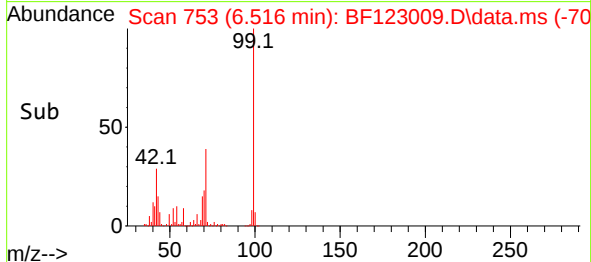
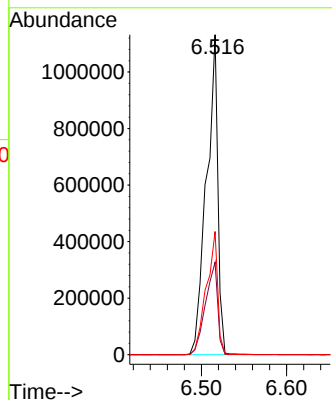
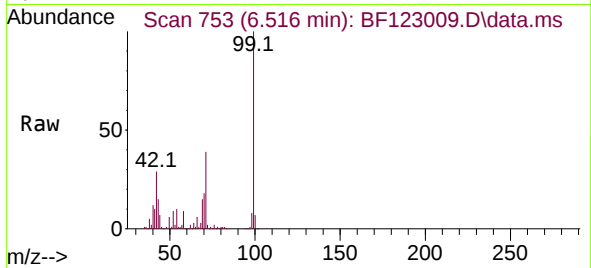




#7  
Phenol-d6  
Concen: 91.55 ng  
RT: 6.516 min Scan# 753  
Delta R.T. -0.006 min  
Lab File: BF123009.D  
Acq: 19 Jan 2021 2:50

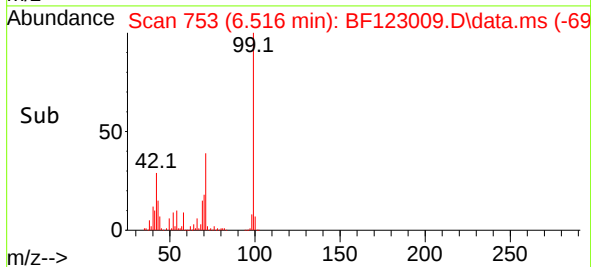
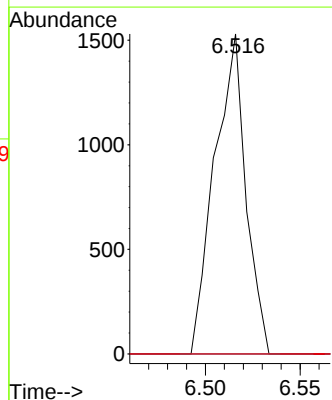
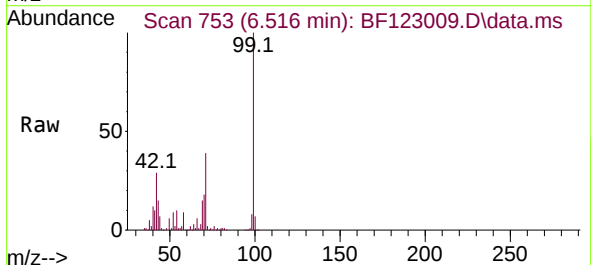
Instrument :  
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ClientSampleId :  
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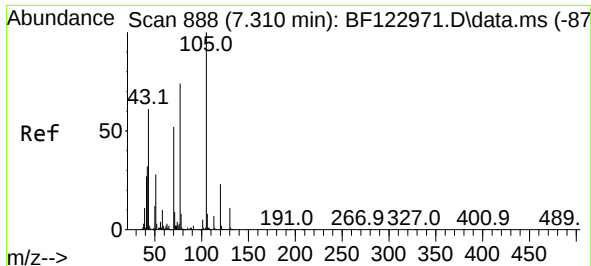
Tgt Ion: 99 Resp: 1049173  
Ion Ratio Lower Upper  
99 100  
42 28.9 13.8 20.6#  
71 38.5 26.9 40.3



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.516 min Scan# 753  
Delta R.T. 0.071 min  
Lab File: BF123009.D  
Acq: 19 Jan 2021 2:50

Tgt Ion: 77 Resp: 1754  
Ion Ratio Lower Upper  
77 100  
105 0.0 80.6 120.6#  
106 0.0 77.2 117.2#

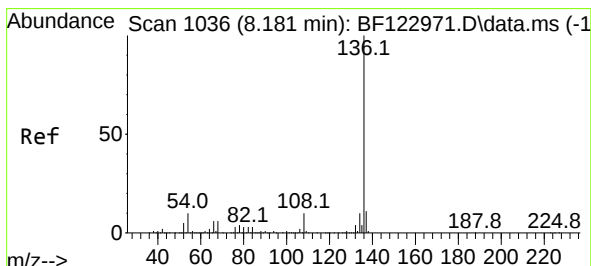
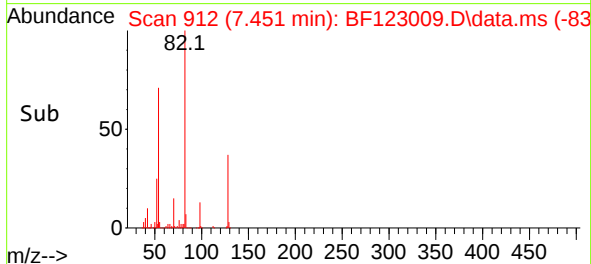
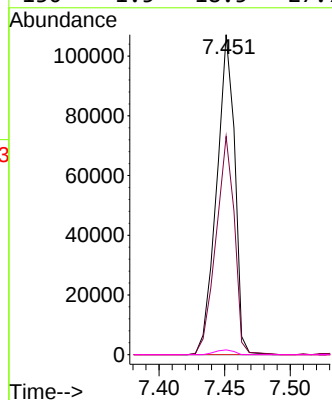
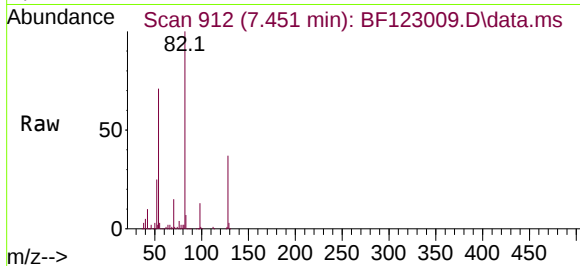




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.17 ng  
RT: 7.451 min Scan# 912  
Delta R.T. 0.141 min  
Lab File: BF123009.D  
Acq: 19 Jan 2021 2:50

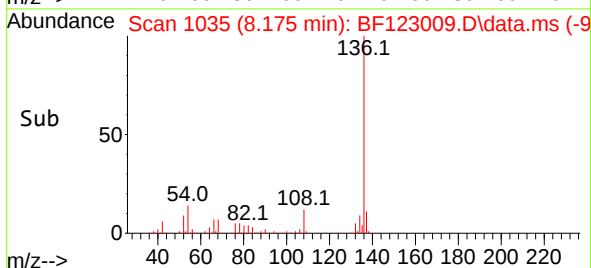
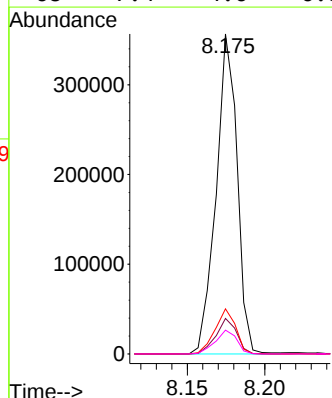
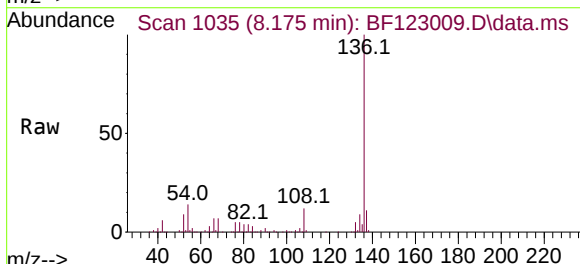
Instrument :  
BNA\_F  
ClientSampled :  
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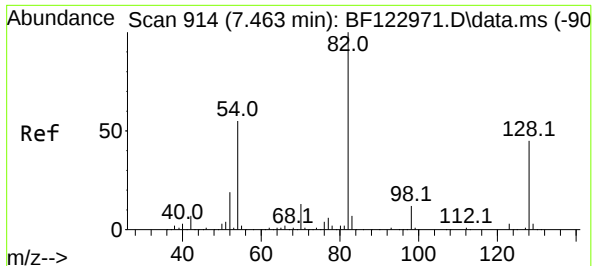
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 103007 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 68.2  | 43.0  | 64.4#  |
| 101      | 0.0   | 7.9   | 11.9#  |
| 130      | 1.5   | 18.5  | 27.7#  |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.175 min Scan# 1035  
Delta R.T. -0.006 min  
Lab File: BF123009.D  
Acq: 19 Jan 2021 2:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 337015 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.8   | 13.2   |
| 54       | 14.1  | 5.5   | 8.3#   |
| 68       | 7.4   | 4.6   | 6.8#   |





#23

Nitrobenzene-d5

Concen: 111.51 ng

RT: 7.451 min Scan# 912

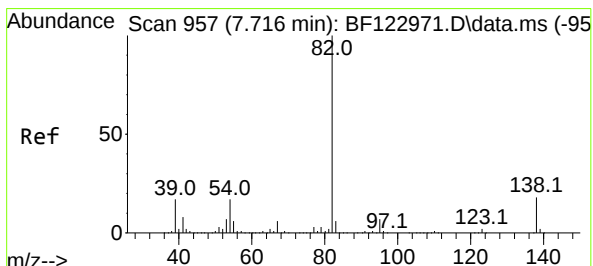
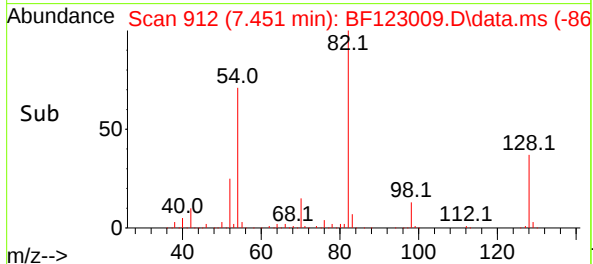
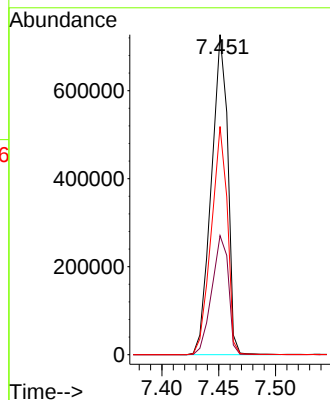
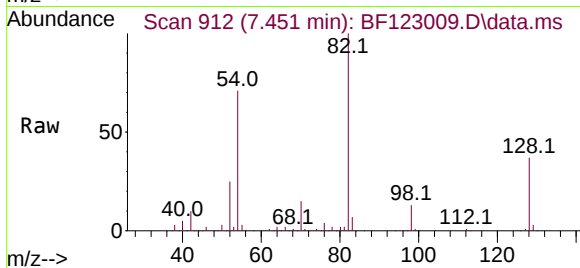
Delta R.T. -0.012 min

Lab File: BF123009.D

Acq: 19 Jan 2021 2:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 730307 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 37.2  | 37.0  | 55.4   |
| 54       | 71.3  | 38.4  | 57.6#  |

Instrument :  
BNA\_F  
ClientSampled :  
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#25

Isophorone

Concen: 62.50 ng

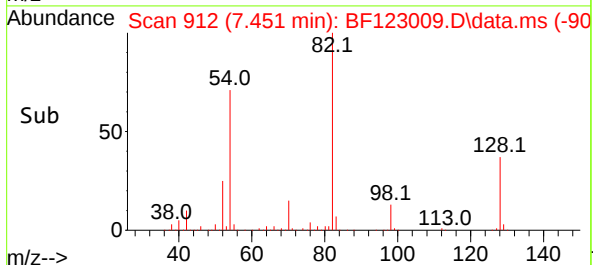
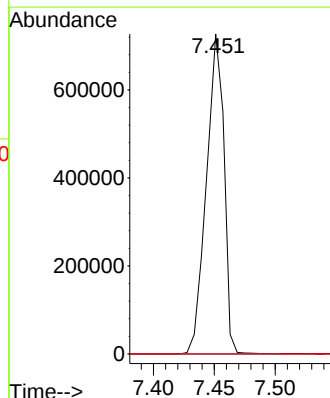
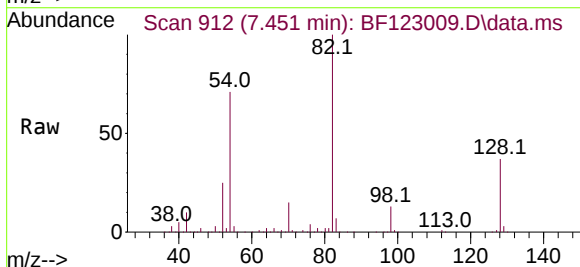
RT: 7.451 min Scan# 912

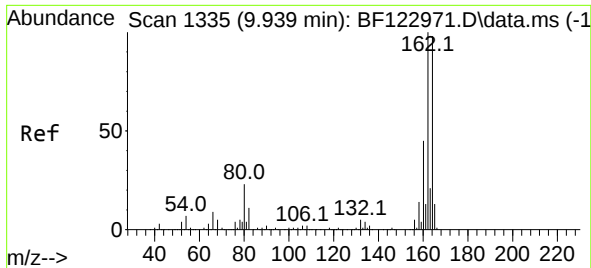
Delta R.T. -0.265 min

Lab File: BF123009.D

Acq: 19 Jan 2021 2:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 730288 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 95       | 0.0   | 5.8   | 8.6#   |
| 138      | 0.0   | 14.6  | 21.8#  |

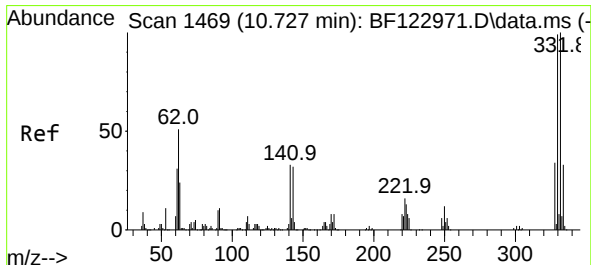
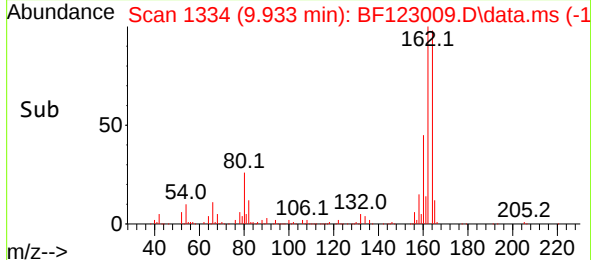
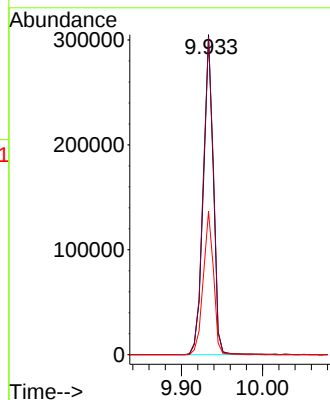
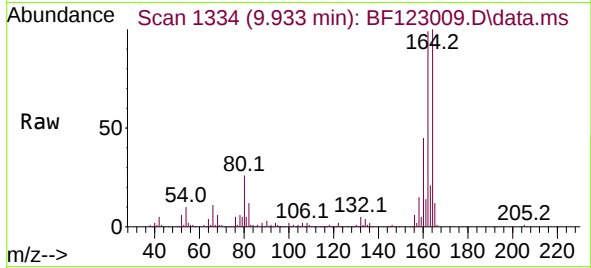




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.933 min Scan# 1334  
Delta R.T. -0.006 min  
Lab File: BF123009.D  
Acq: 19 Jan 2021 2:50

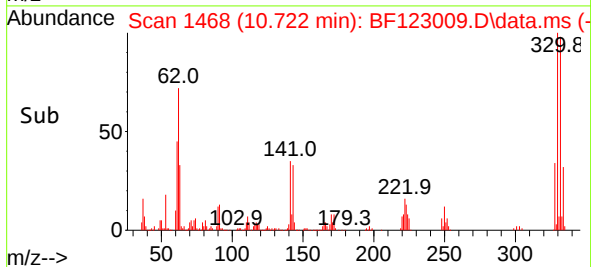
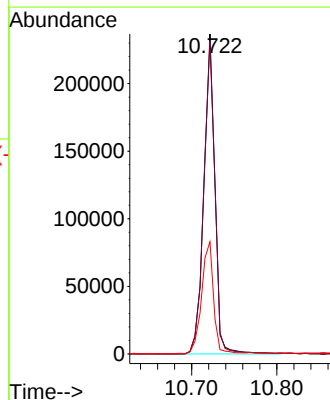
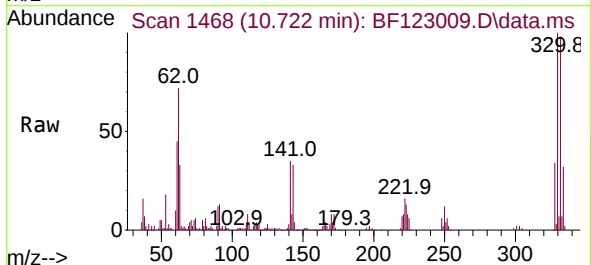
Instrument :  
BNA\_F  
ClientSampleId :  
S-5

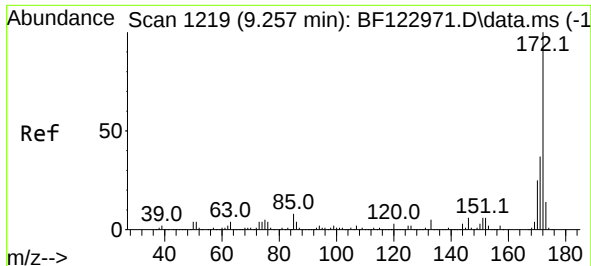
Tgt Ion:164 Resp: 261991  
Ion Ratio Lower Upper  
164 100  
162 99.2 80.8 121.2  
160 44.7 35.4 53.0



#42  
2,4,6-Tribromophenol  
Concen: 71.72 ng  
RT: 10.722 min Scan# 1468  
Delta R.T. -0.005 min  
Lab File: BF123009.D  
Acq: 19 Jan 2021 2:50

Tgt Ion:330 Resp: 212500  
Ion Ratio Lower Upper  
330 100  
332 100.1 77.5 116.3  
141 39.4 23.8 35.8#

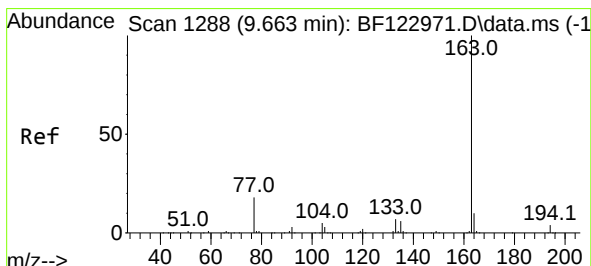
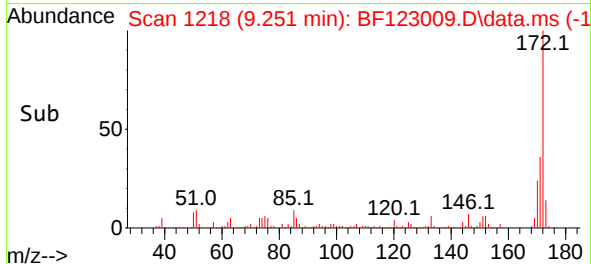
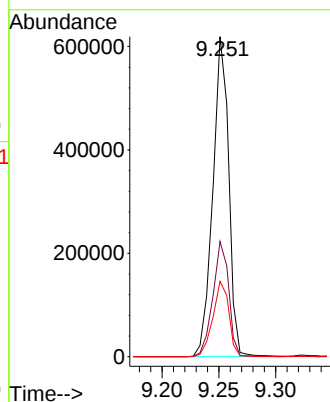
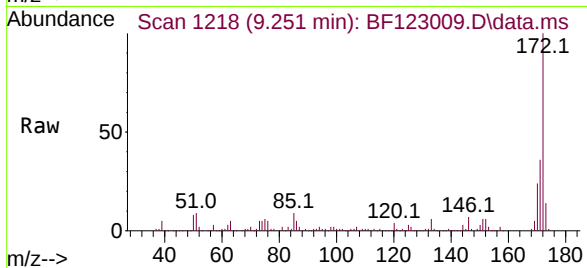




#45  
2-Fluorobiphenyl  
Concen: 32.22 ng  
RT: 9.251 min Scan# 1218  
Delta R.T. -0.006 min  
Lab File: BF123009.D  
Acq: 19 Jan 2021 2:50

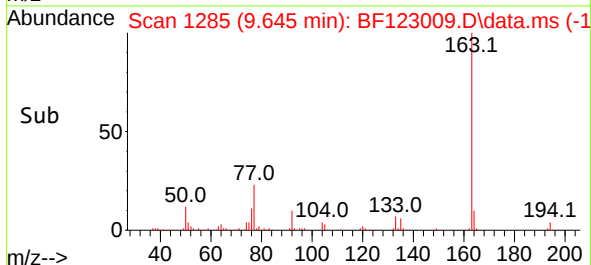
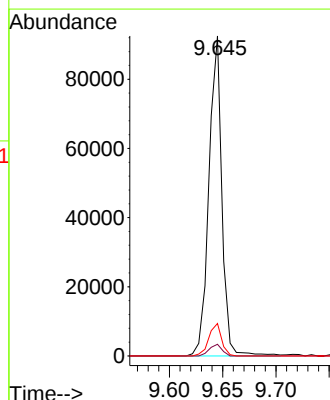
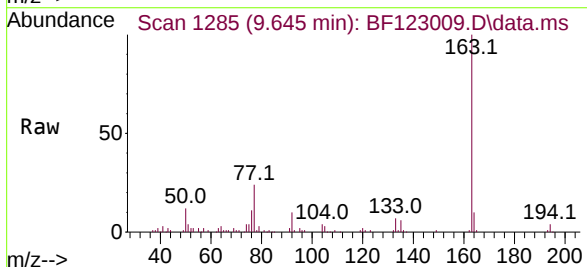
Instrument :  
BNA\_F  
ClientSampled :  
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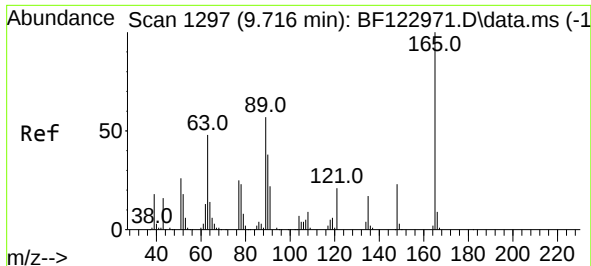
Tgt Ion:172 Resp: 602865  
Ion Ratio Lower Upper  
172 100  
171 36.0 29.6 44.4  
170 23.6 19.5 29.3



#50  
Dimethylphthalate  
Concen: 3.87 ng  
RT: 9.645 min Scan# 1285  
Delta R.T. -0.018 min  
Lab File: BF123009.D  
Acq: 19 Jan 2021 2:50

Tgt Ion:163 Resp: 78669  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.4 5.0  
164 10.2 8.1 12.1

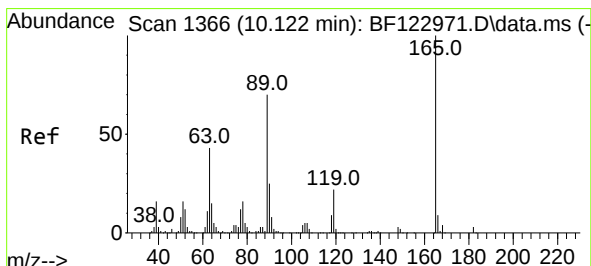
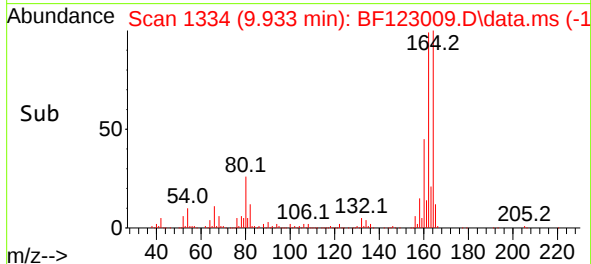
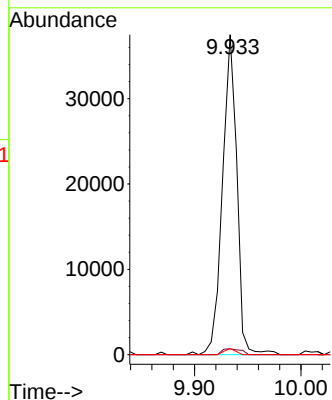
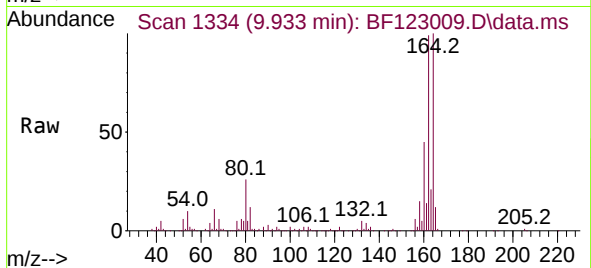




#51  
2,6-Dinitrotoluene  
Concen: 7.88 ng  
RT: 9.933 min Scan# 1334  
Delta R.T. 0.218 min  
Lab File: BF123009.D  
Acq: 19 Jan 2021 2:50

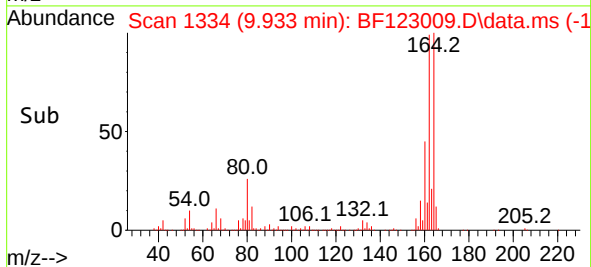
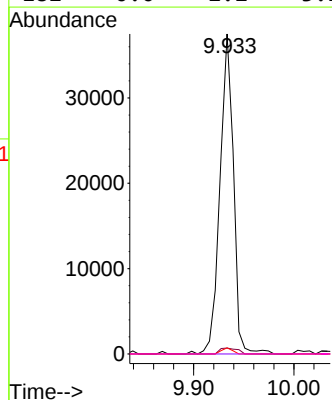
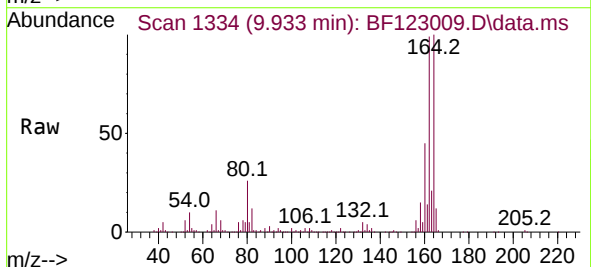
Instrument :  
BNA\_F  
ClientSampled :  
S-5

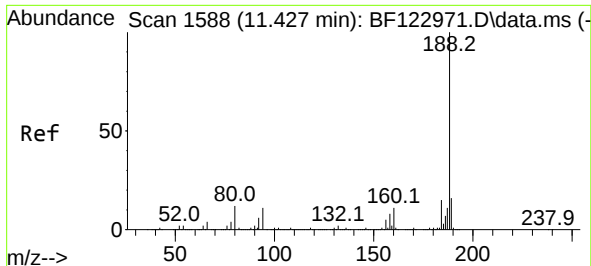
Tgt Ion:165 Resp: 35067  
Ion Ratio Lower Upper  
165 100  
63 1.9 36.6 55.0#  
89 1.9 39.4 59.0#



#57  
2,4-Dinitrotoluene  
Concen: 6.13 ng  
RT: 9.933 min Scan# 1334  
Delta R.T. -0.188 min  
Lab File: BF123009.D  
Acq: 19 Jan 2021 2:50

Tgt Ion:165 Resp: 35068  
Ion Ratio Lower Upper  
165 100  
63 1.9 34.3 51.5#  
89 1.9 55.2 82.8#  
182 0.0 2.2 3.2#

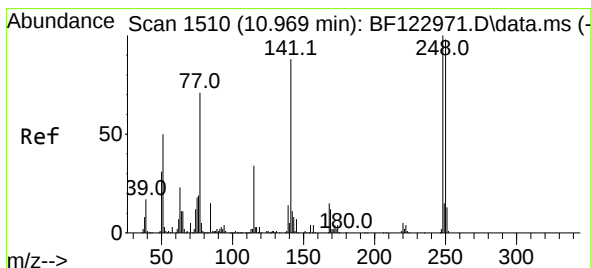
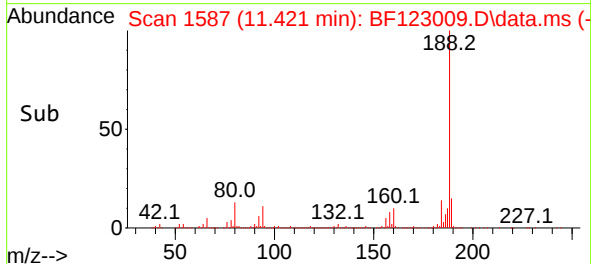
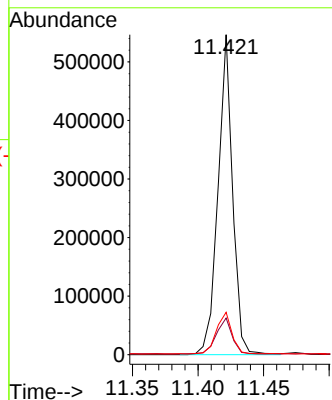
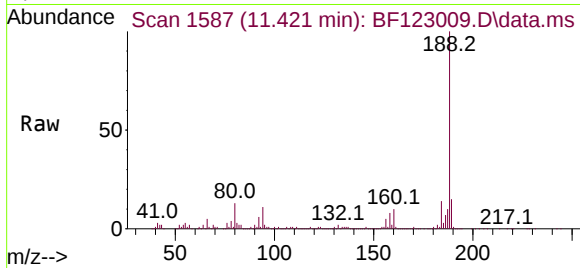




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.421 min Scan# 1587  
Delta R.T. -0.006 min  
Lab File: BF123009.D  
Acq: 19 Jan 2021 2:50

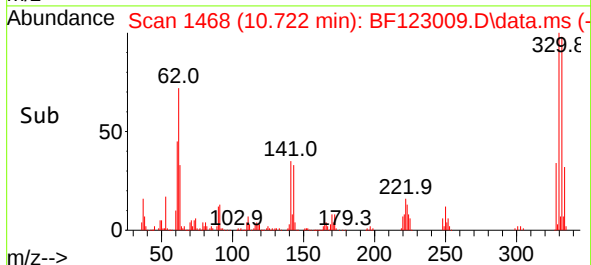
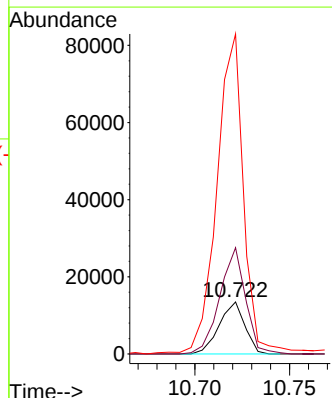
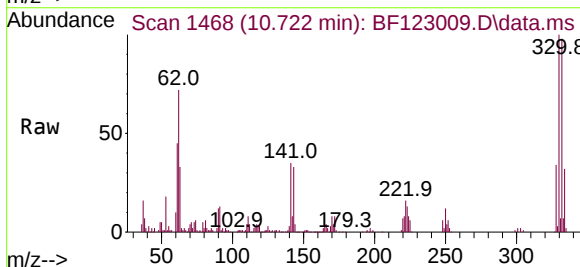
Instrument :  
BNA\_F  
ClientSampled :  
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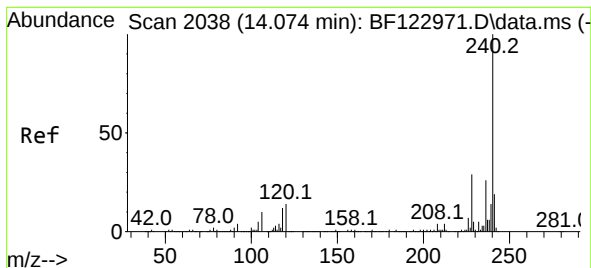
Tgt Ion:188 Resp: 422812  
Ion Ratio Lower Upper  
188 100  
94 11.5 7.4 11.2#  
80 13.2 8.2 12.4#



#67  
4-Bromophenyl-phenylether  
Concen: 2.45 ng  
RT: 10.722 min Scan# 1468  
Delta R.T. -0.247 min  
Lab File: BF123009.D  
Acq: 19 Jan 2021 2:50

Tgt Ion:248 Resp: 12690  
Ion Ratio Lower Upper  
248 100  
250 204.0 76.8 115.2#  
141 614.4 59.8 89.8#

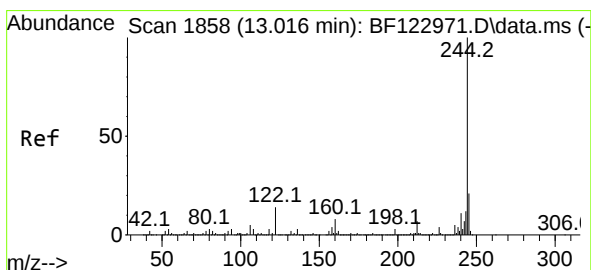
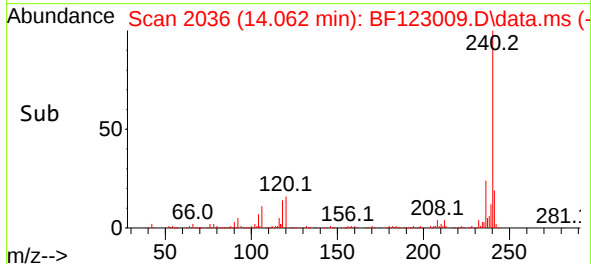
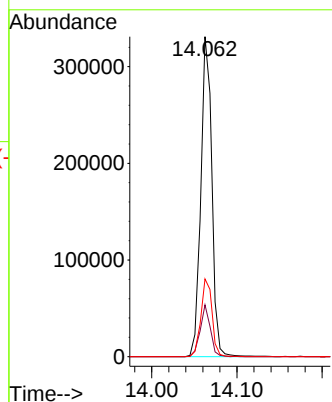
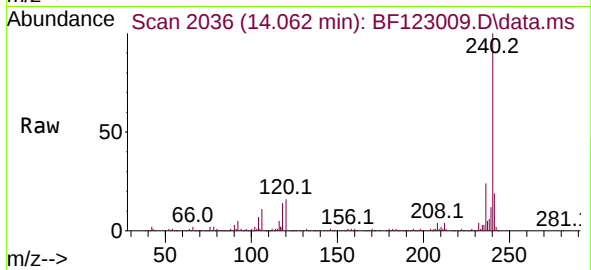




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.062 min Scan# 2036  
Delta R.T. -0.012 min  
Lab File: BF123009.D  
Acq: 19 Jan 2021 2:50

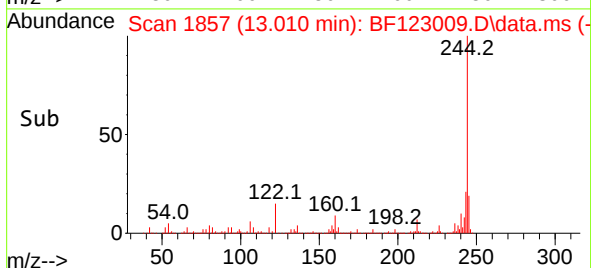
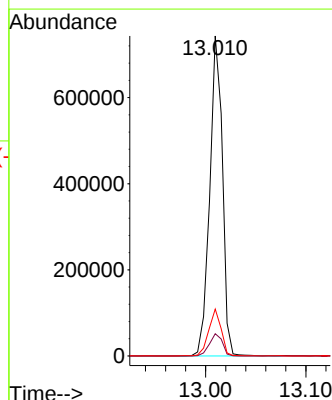
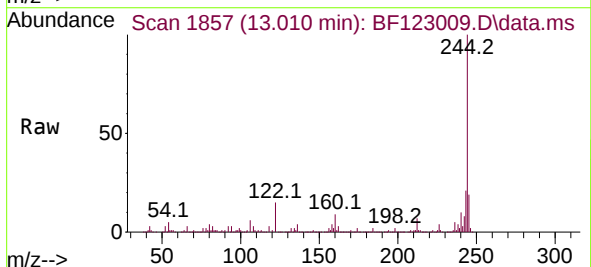
Instrument :  
BNA\_F  
ClientSampled :  
S-5

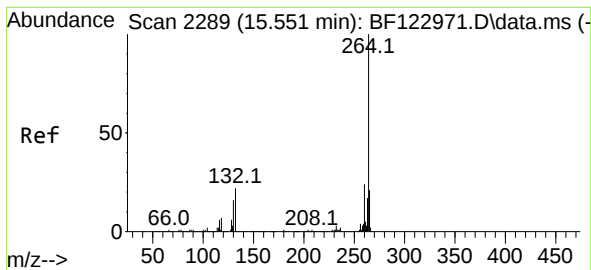
Tgt Ion:240 Resp: 297677  
Ion Ratio Lower Upper  
240 100  
120 16.2 8.6 12.8#  
236 24.3 20.3 30.5



#79  
Terphenyl-d14  
Concen: 40.38 ng  
RT: 13.010 min Scan# 1857  
Delta R.T. -0.006 min  
Lab File: BF123009.D  
Acq: 19 Jan 2021 2:50

Tgt Ion:244 Resp: 655515  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.7 8.5  
122 14.6 8.3 12.5#





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.539 min Scan# 2287  
 Delta R.T. -0.012 min  
 Lab File: BF123009.D  
 Acq: 19 Jan 2021 2:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-5

Tgt Ion:264 Resp: 197791  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 18.6 28.0  
 265 20.9 17.0 25.6

