

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022221\  
 Data File : BF123263.D  
 Acq On : 22 Feb 2021 17:37  
 Operator : JU/CG  
 Sample : M1452-16  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-4

Quant Time: Feb 23 03:50:28 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF021921.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 19 16:08:53 2021  
 Response via : Initial Calibration

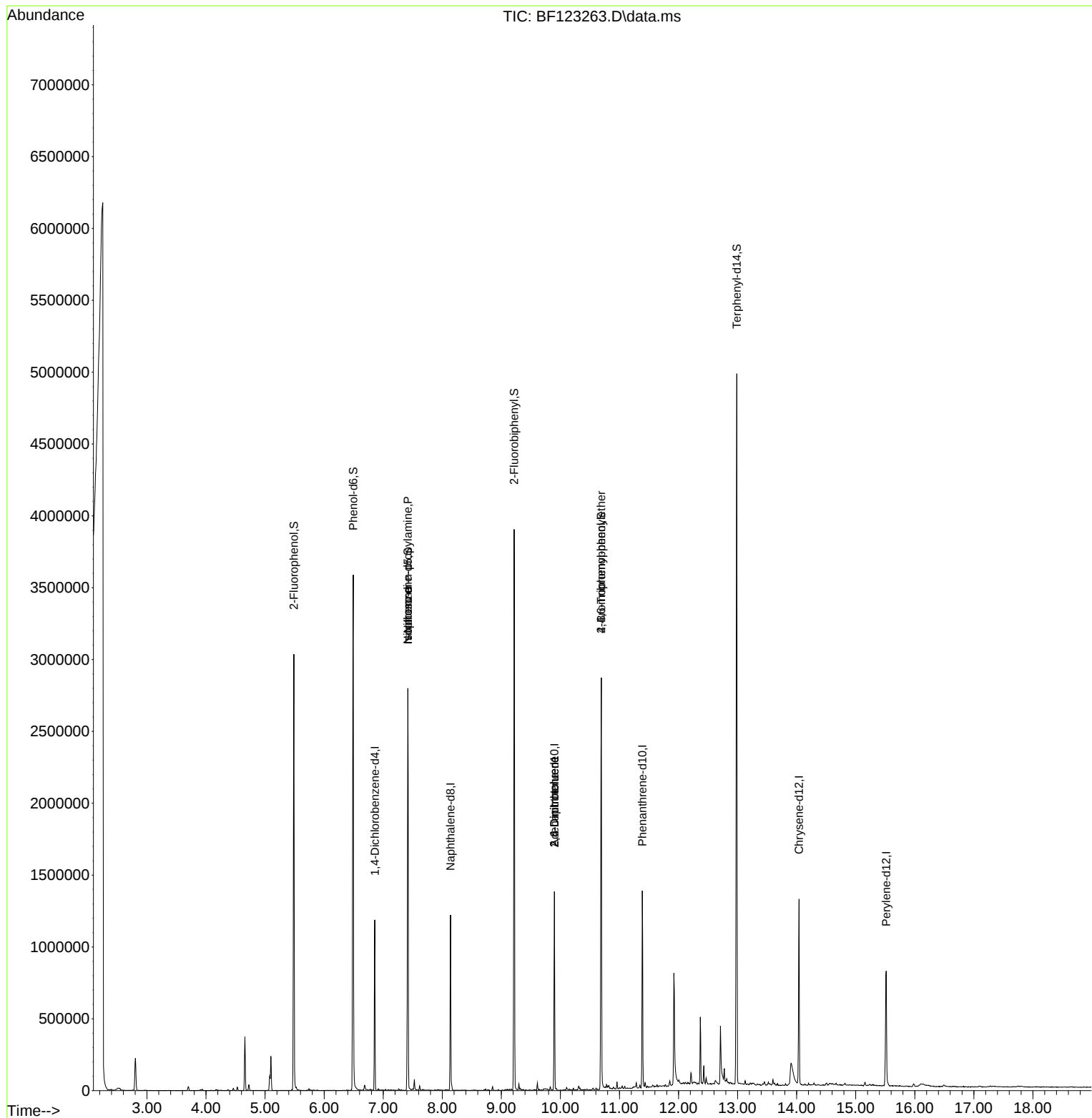
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.857  | 152  | 147763   | 20.00     | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.140  | 136  | 470671   | 20.00     | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.898  | 164  | 245386   | 20.00     | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.386 | 188  | 470433   | 20.00     | ng     | 0.00     |
| 76) Chrysene-d12              | 14.039 | 240  | 401453   | 20.00     | ng     | 0.00     |
| 86) Perylene-d12              | 15.516 | 264  | 359757   | 20.00     | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 747736   | 72.84     | ng     | 0.01     |
| 7) Phenol-d6                  | 6.493  | 99   | 1213315  | 87.00     | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.416  | 82   | 939264   | 91.35     | ng     | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.692 | 330  | 309015   | 123.67    | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.216  | 172  | 1136895  | 66.55     | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 1513695  | 72.50     | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.416  | 77   | 374      | Below Cal | #      | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.416  | 70   | 126918   | 15.30     | ng     | # 81     |
| 25) Isophorone                | 7.416  | 82   | 931464   | 48.45     | ng     | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.898  | 165  | 31112    | 7.36      | ng     | # 32     |
| 57) 2,4-Dinitrotoluene        | 9.898  | 165  | 31112    | 5.47      | ng     | # 26     |
| 67) 4-Bromophenyl-phenylether | 10.692 | 248  | 22679    | 4.42      | ng     | # 1      |
| -----                         |        |      |          |           |        |          |

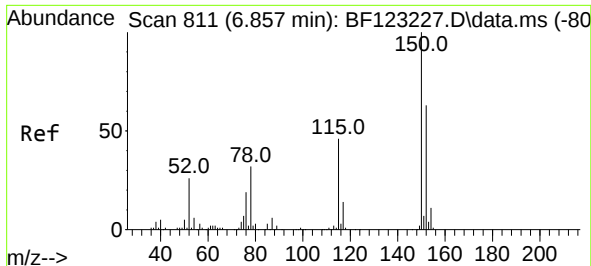
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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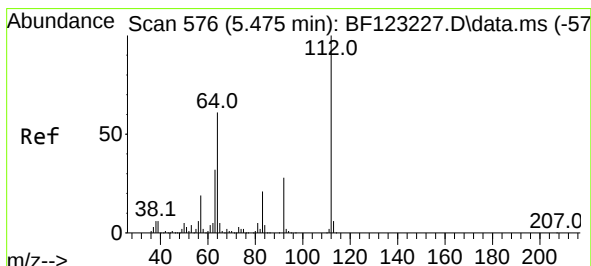
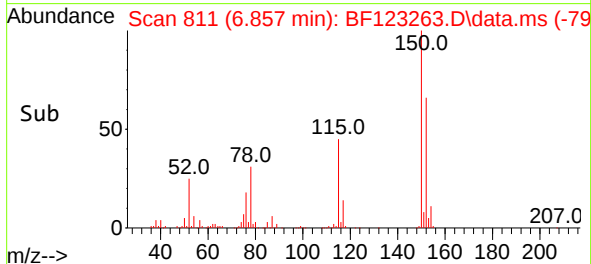
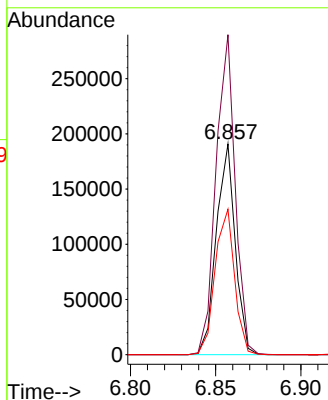
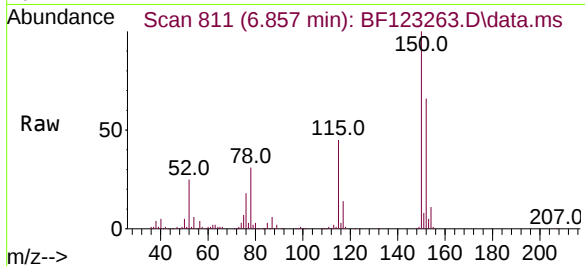




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.857 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: BF123263.D  
Acq: 22 Feb 2021 17:37

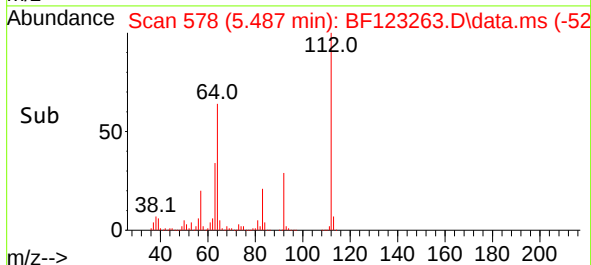
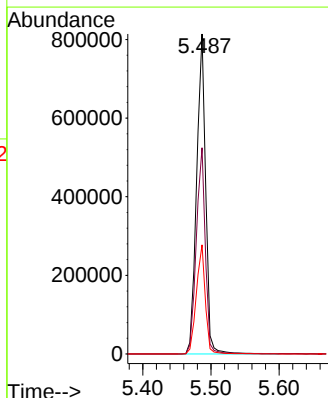
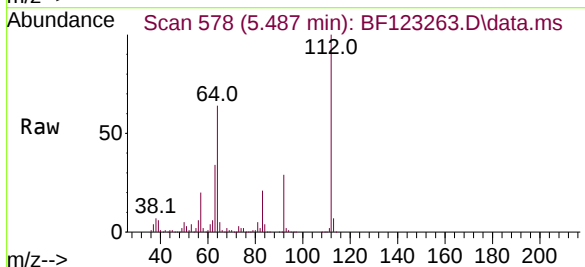
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4

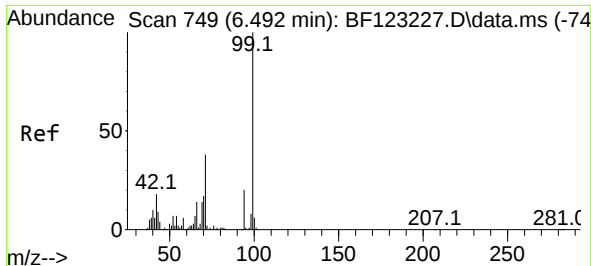
Tgt Ion:152 Resp: 147763  
Ion Ratio Lower Upper  
152 100  
150 151.9 125.8 188.6  
115 69.0 49.3 73.9



#5  
2-Fluorophenol  
Concen: 72.84 ng  
RT: 5.487 min Scan# 578  
Delta R.T. 0.012 min  
Lab File: BF123263.D  
Acq: 22 Feb 2021 17:37

Tgt Ion:112 Resp: 747736  
Ion Ratio Lower Upper  
112 100  
64 64.4 46.9 70.3  
63 34.1 24.5 36.7



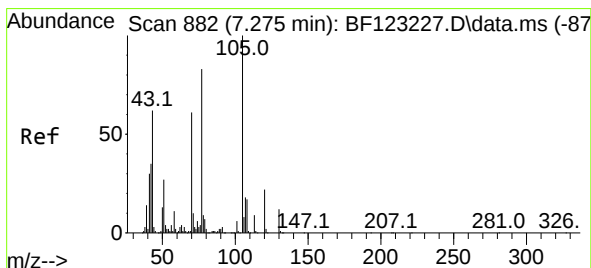
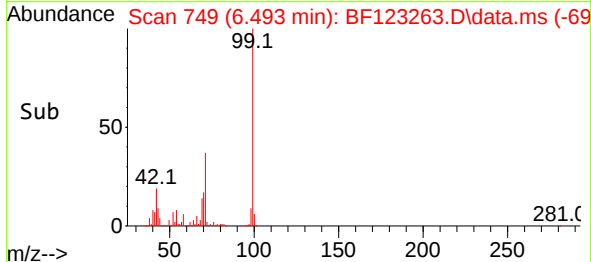
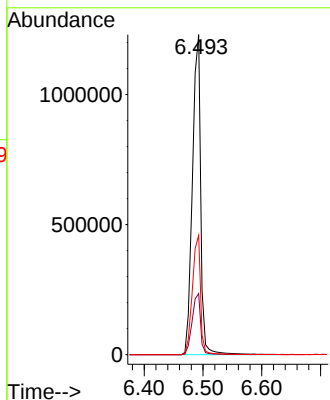
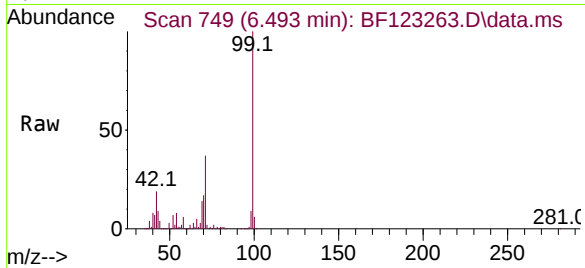


#7  
Phenol-d6  
Concen: 87.00 ng  
RT: 6.493 min Scan# 749  
Delta R.T. 0.000 min  
Lab File: BF123263.D  
Acq: 22 Feb 2021 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 99 Resp: 1213315  

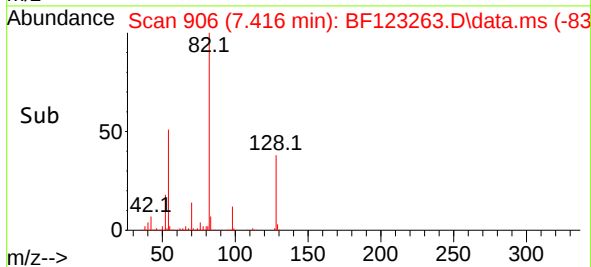
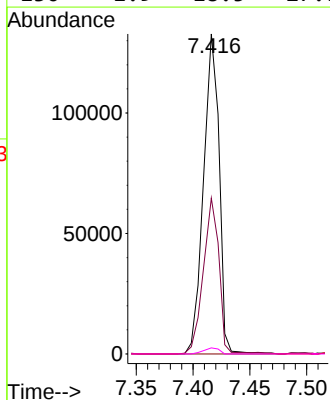
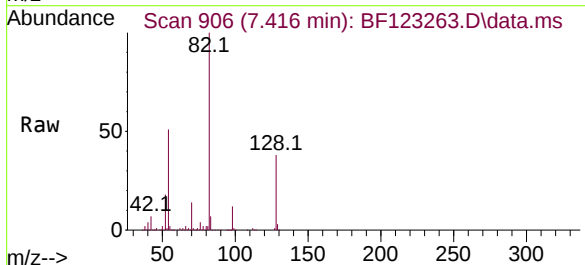
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.1  | 13.8  | 20.6  |
| 71  | 37.3  | 26.9  | 40.3  |

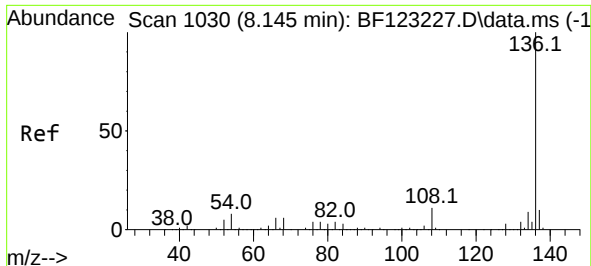


#19  
n-Nitroso-di-n-propylamine  
Concen: 15.30 ng  
RT: 7.416 min Scan# 906  
Delta R.T. 0.141 min  
Lab File: BF123263.D  
Acq: 22 Feb 2021 17:37

Tgt Ion: 70 Resp: 126918  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 48.7  | 43.0  | 64.4  |
| 101 | 0.0   | 7.9   | 11.9# |
| 130 | 1.9   | 18.5  | 27.7# |



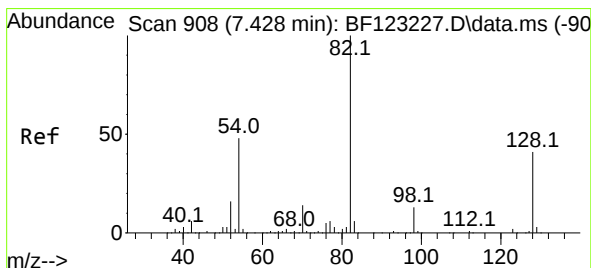
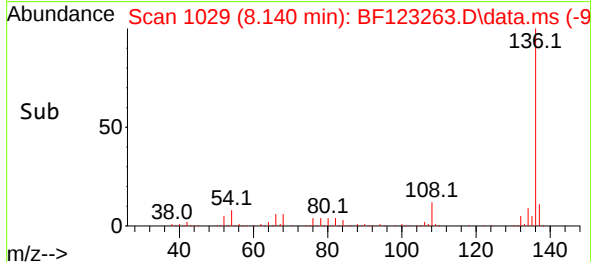
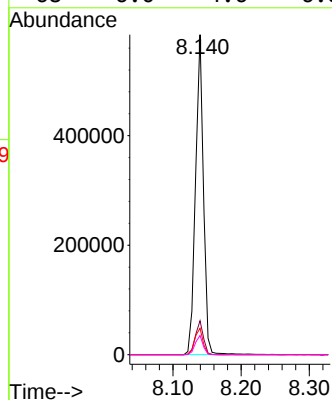
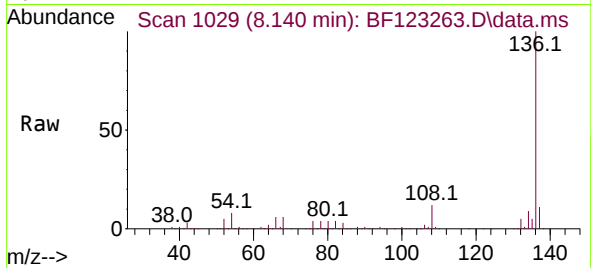


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.140 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: BF123263.D  
Acq: 22 Feb 2021 17:37

Instrument :  
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Tgt Ion:136 Resp: 470671

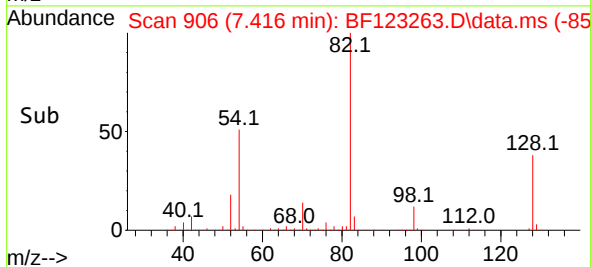
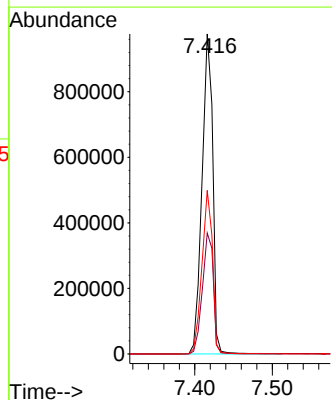
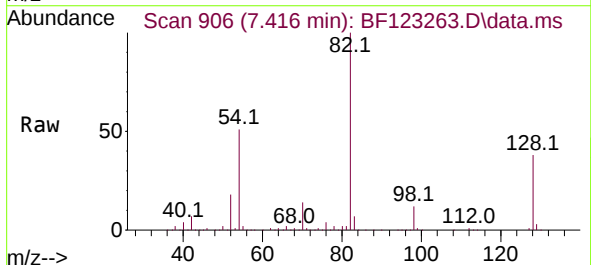
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.6  | 8.8   | 13.2  |
| 54  | 8.3   | 5.5   | 8.3   |
| 68  | 6.0   | 4.6   | 6.8   |

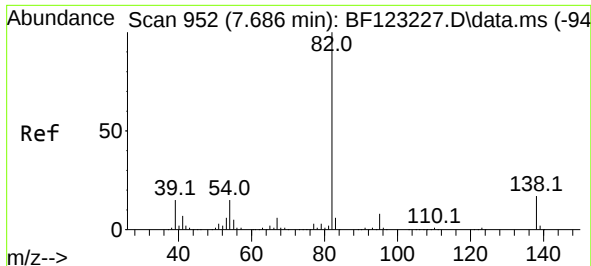


#23  
Nitrobenzene-d5  
Concen: 91.35 ng  
RT: 7.416 min Scan# 906  
Delta R.T. -0.012 min  
Lab File: BF123263.D  
Acq: 22 Feb 2021 17:37

Tgt Ion: 82 Resp: 939264

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 37.8  | 37.0  | 55.4  |
| 54  | 51.1  | 38.4  | 57.6  |

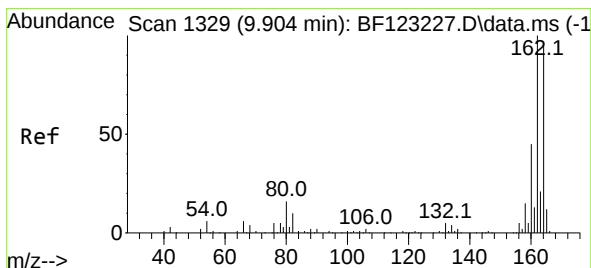
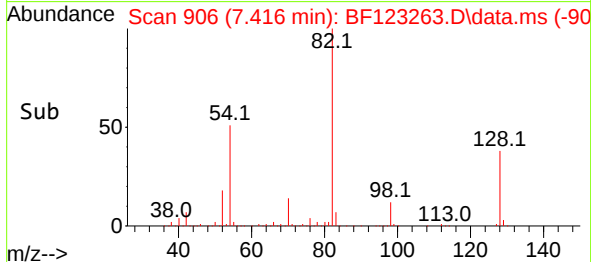
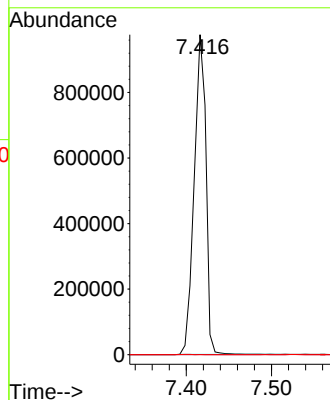
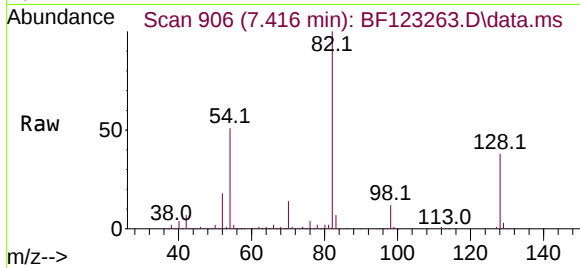




#25  
Isophorone  
Concen: 48.45 ng  
RT: 7.416 min Scan# 906  
Delta R.T. -0.270 min  
Lab File: BF123263.D  
Acq: 22 Feb 2021 17:37

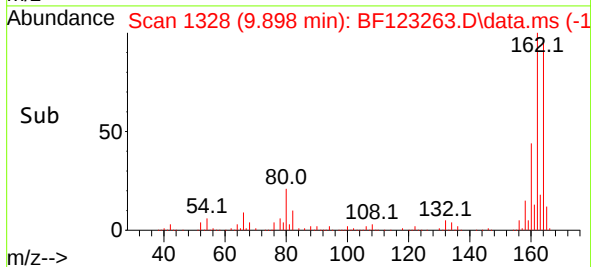
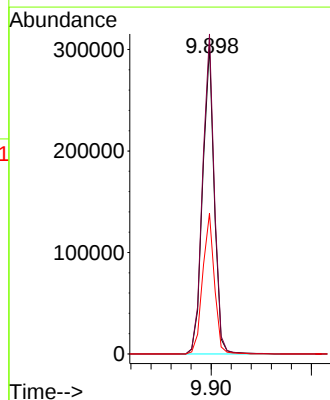
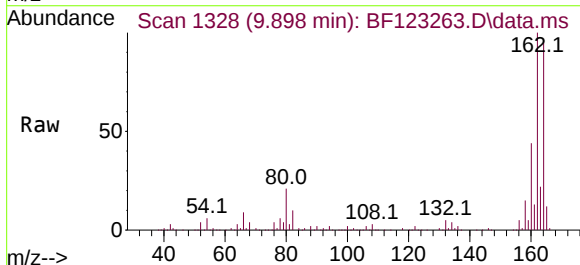
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4

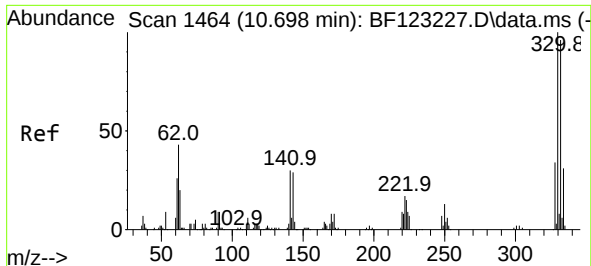
Tgt Ion: 82 Resp: 931464  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.6#  
138 0.0 14.6 21.8#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.898 min Scan# 1328  
Delta R.T. -0.006 min  
Lab File: BF123263.D  
Acq: 22 Feb 2021 17:37

Tgt Ion: 164 Resp: 245386  
Ion Ratio Lower Upper  
164 100  
162 103.8 80.8 121.2  
160 45.6 35.4 53.0

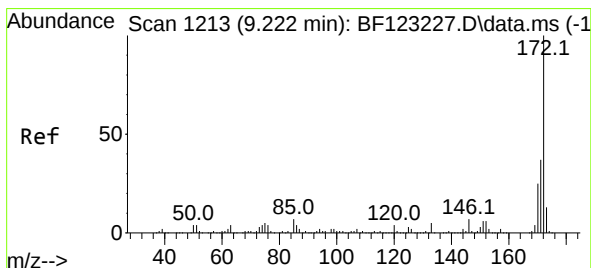
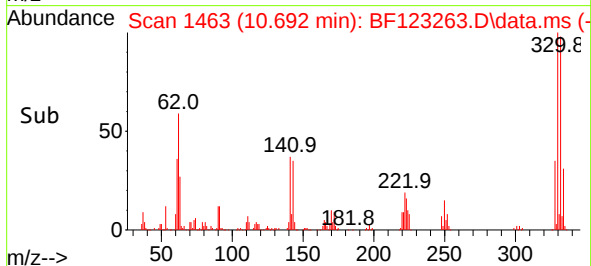
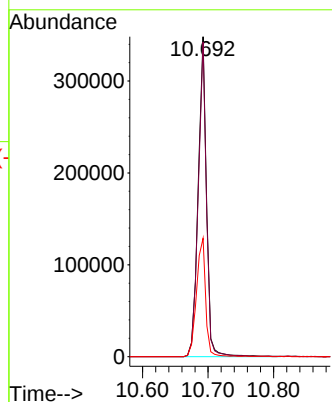
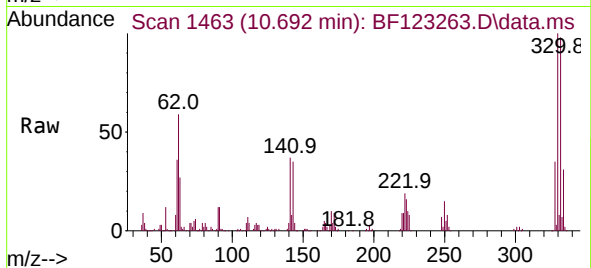




#42  
2,4,6-Tribromophenol  
Concen: 123.67 ng  
RT: 10.692 min Scan# 1463  
Delta R.T. -0.006 min  
Lab File: BF123263.D  
Acq: 22 Feb 2021 17:37

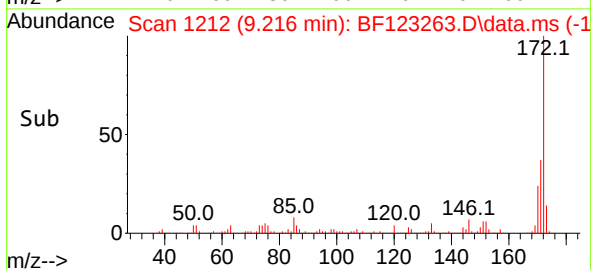
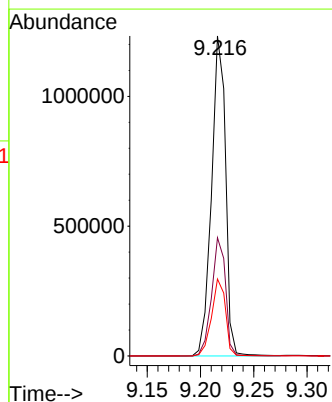
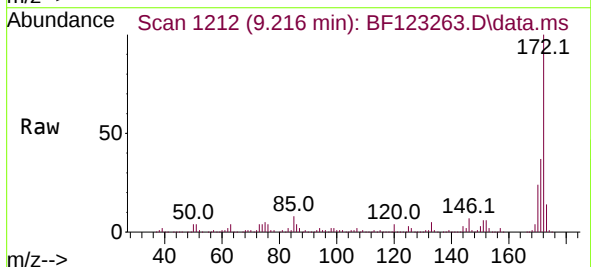
Instrument :  
BNA\_F  
ClientSampleId :  
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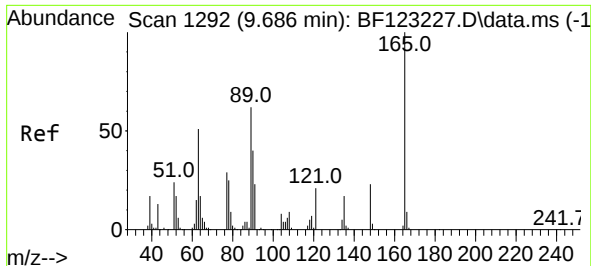
Tgt Ion: 330 Resp: 309015  
Ion Ratio Lower Upper  
330 100  
332 96.7 77.5 116.3  
141 40.6 23.8 35.8#



#45  
2-Fluorobiphenyl  
Concen: 66.55 ng  
RT: 9.216 min Scan# 1212  
Delta R.T. -0.006 min  
Lab File: BF123263.D  
Acq: 22 Feb 2021 17:37

Tgt Ion: 172 Resp: 1136895  
Ion Ratio Lower Upper  
172 100  
171 37.0 29.6 44.4  
170 24.1 19.5 29.3

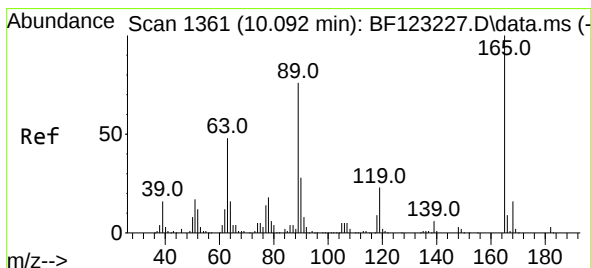
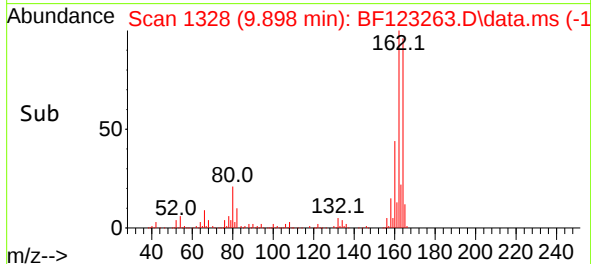
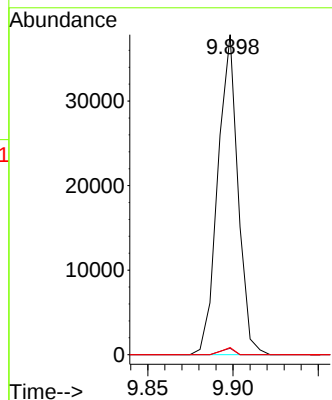
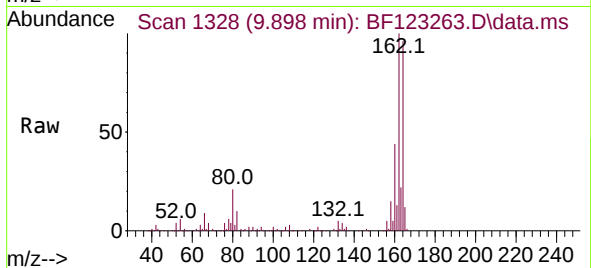




#51  
2,6-Dinitrotoluene  
Concen: 7.36 ng  
RT: 9.898 min Scan# 1328  
Delta R.T. 0.212 min  
Lab File: BF123263.D  
Acq: 22 Feb 2021 17:37

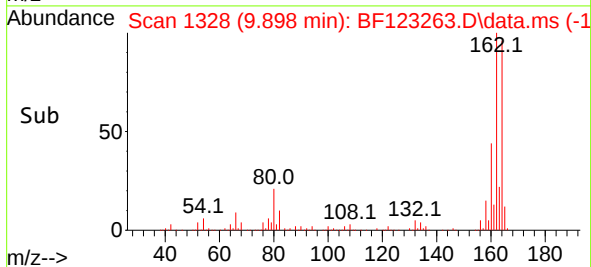
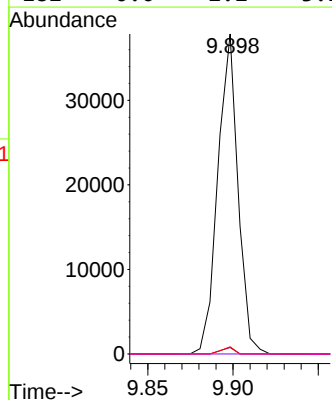
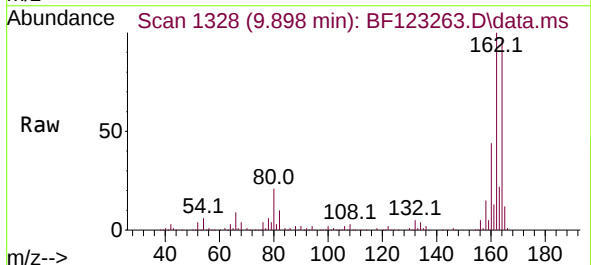
Instrument :  
BNA\_F  
ClientSampled :  
TP-4

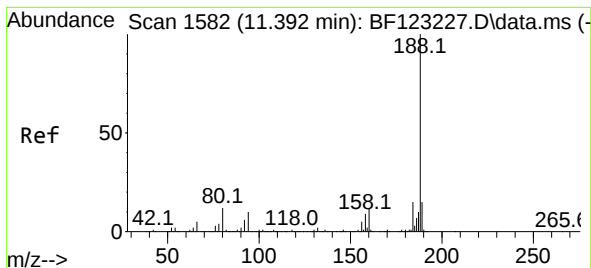
Tgt Ion:165 Resp: 31112  
Ion Ratio Lower Upper  
165 100  
63 2.0 36.6 55.0#  
89 2.3 39.4 59.0#



#57  
2,4-Dinitrotoluene  
Concen: 5.47 ng  
RT: 9.898 min Scan# 1328  
Delta R.T. -0.194 min  
Lab File: BF123263.D  
Acq: 22 Feb 2021 17:37

Tgt Ion:165 Resp: 31112  
Ion Ratio Lower Upper  
165 100  
63 2.0 34.3 51.5#  
89 2.3 55.2 82.8#  
182 0.0 2.2 3.2#

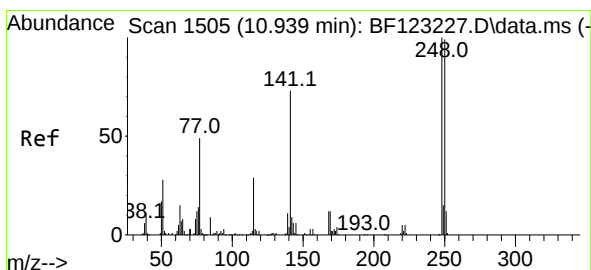
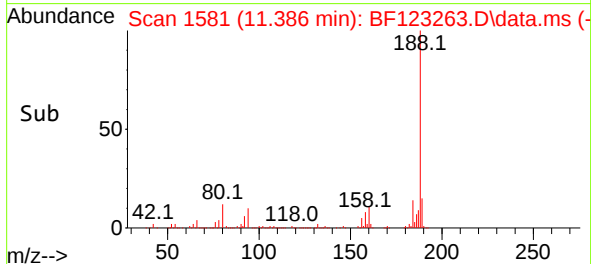
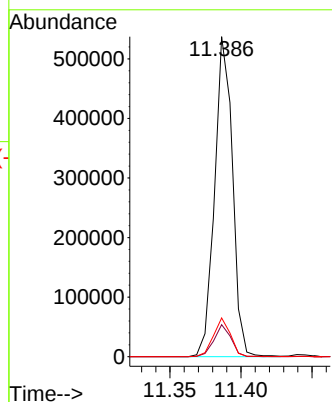
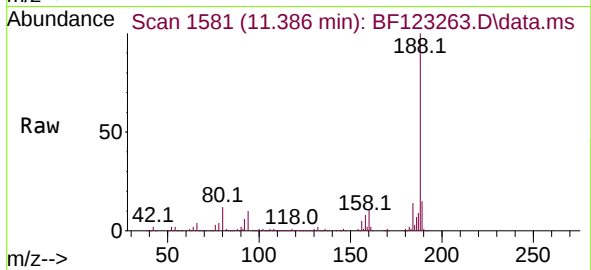




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.386 min Scan# 1581  
Delta R.T. -0.006 min  
Lab File: BF123263.D  
Acq: 22 Feb 2021 17:37

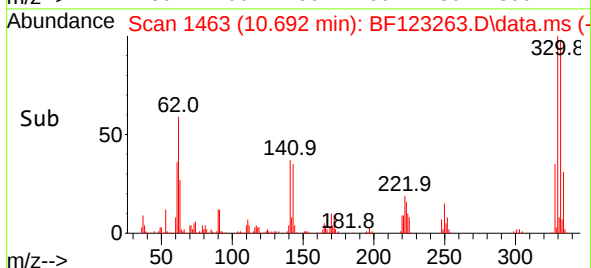
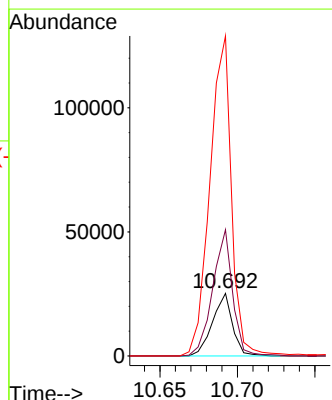
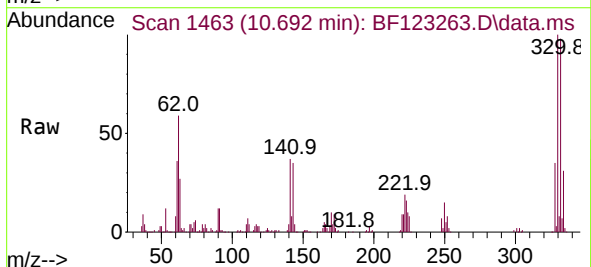
Instrument :  
BNA\_F  
ClientSampled :  
TP-4

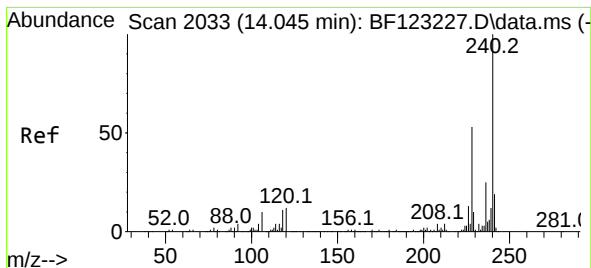
Tgt Ion:188 Resp: 470433  
Ion Ratio Lower Upper  
188 100  
94 10.0 7.4 11.2  
80 12.1 8.2 12.4



#67  
4-Bromophenyl-phenylether  
Concen: 4.42 ng  
RT: 10.692 min Scan# 1463  
Delta R.T. -0.247 min  
Lab File: BF123263.D  
Acq: 22 Feb 2021 17:37

Tgt Ion:248 Resp: 22679  
Ion Ratio Lower Upper  
248 100  
250 201.8 76.8 115.2#  
141 511.4 59.8 89.8#

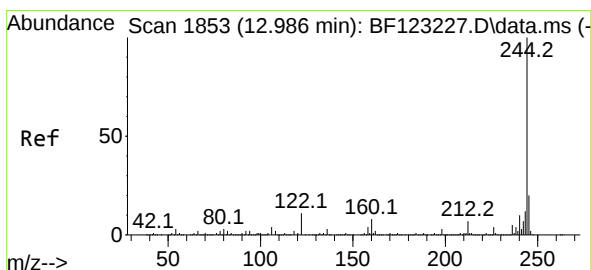
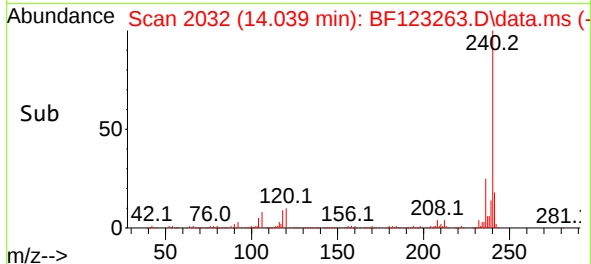
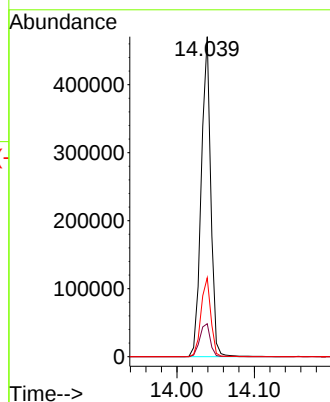
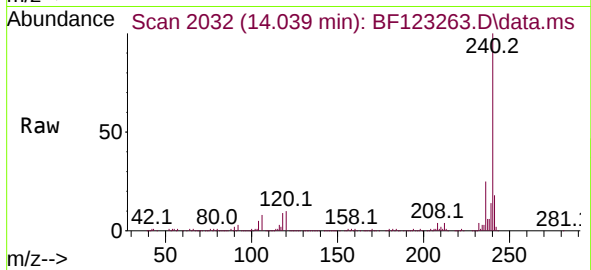




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.039 min Scan# 2032  
Delta R.T. -0.006 min  
Lab File: BF123263.D  
Acq: 22 Feb 2021 17:37

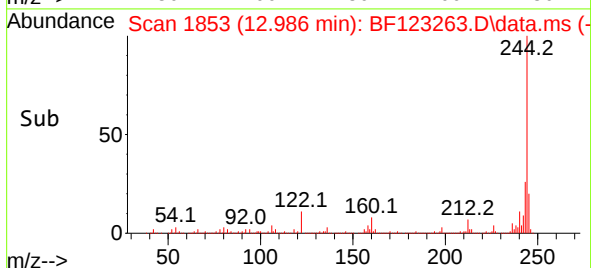
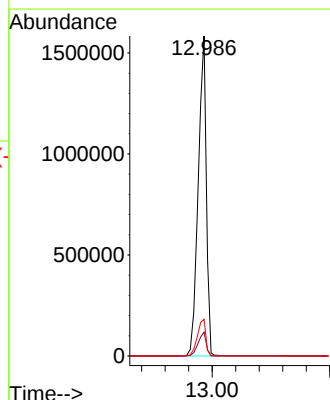
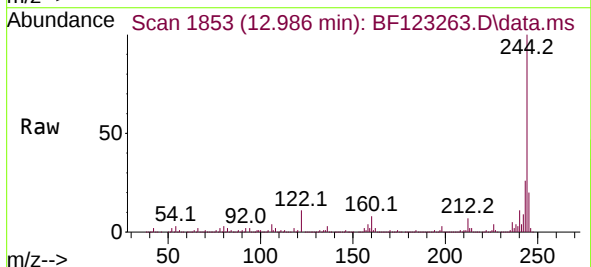
Instrument :  
BNA\_F  
ClientSampled :  
TP-4

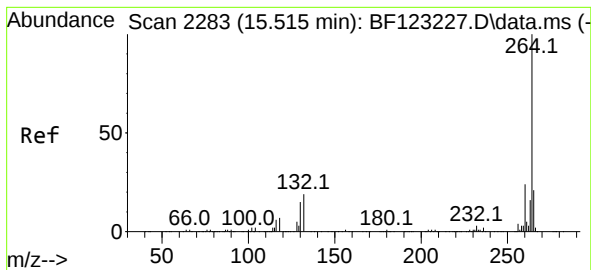
Tgt Ion:240 Resp: 401453  
Ion Ratio Lower Upper  
240 100  
120 10.3 8.6 12.8  
236 24.7 20.3 30.5



#79  
Terphenyl-d14  
Concen: 72.50 ng  
RT: 12.986 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: BF123263.D  
Acq: 22 Feb 2021 17:37

Tgt Ion:244 Resp: 1513695  
Ion Ratio Lower Upper  
244 100  
212 7.5 5.7 8.5  
122 11.4 8.3 12.5





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.516 min Scan# 2283  
 Delta R.T. 0.000 min  
 Lab File: BF123263.D  
 Acq: 22 Feb 2021 17:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-4

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 359757 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.4  | 18.6  | 28.0   |
| 265      | 21.7  | 17.0  | 25.6   |

