

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022321\  
 Data File : BF123279.D  
 Acq On : 23 Feb 2021 14:05  
 Operator : JU/CG  
 Sample : PB134772BL  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB134772BL

Quant Time: Feb 23 14:30:55 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

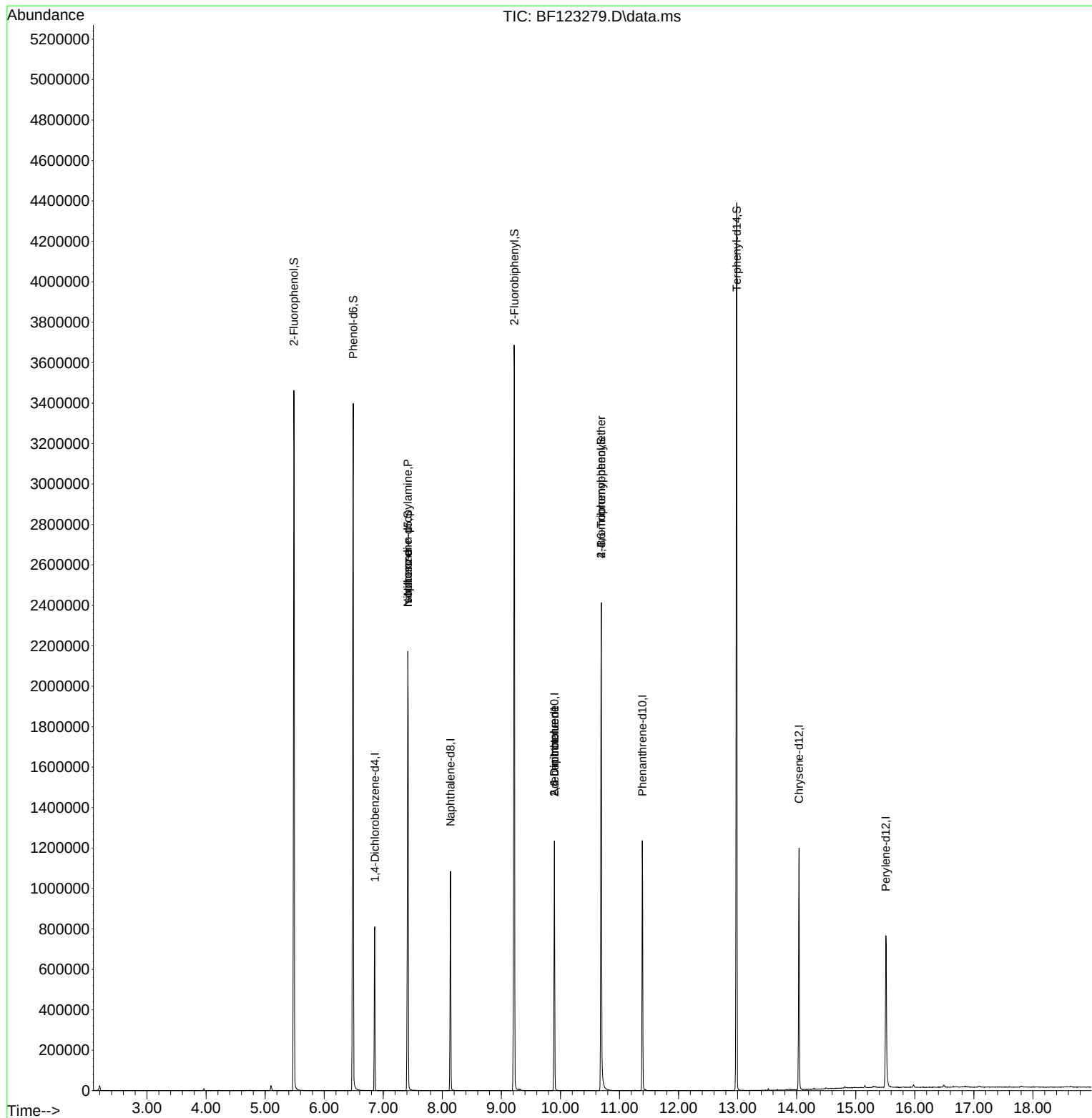
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.857  | 152  | 114726   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.139  | 136  | 462179   | 20.00     | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.898  | 164  | 234102   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.386 | 188  | 441455   | 20.00     | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.039 | 240  | 388660   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12              | 15.509 | 264  | 354197   | 20.00     | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 974382   | 122.25    | ng    | 0.01     |
| 7) Phenol-d6                  | 6.492  | 99   | 1233119  | 113.88    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.416  | 82   | 818429   | 81.06     | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.692 | 330  | 275509   | 115.58    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.222  | 172  | 1287857  | 79.02     | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 1429665  | 70.73     | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.492  | 77   | 2135     | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.416  | 70   | 111962   | 17.38     | ng    | # 81     |
| 25) Isophorone                | 7.416  | 82   | 811072   | 42.96     | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.898  | 165  | 29740    | 7.37      | ng    | # 32     |
| 57) 2,4-Dinitrotoluene        | 9.898  | 165  | 29740    | 5.48      | ng    | # 26     |
| 67) 4-Bromophenyl-phenylether | 10.692 | 248  | 20209    | 4.20      | ng    | # 1      |
| -----                         |        |      |          |           |       |          |

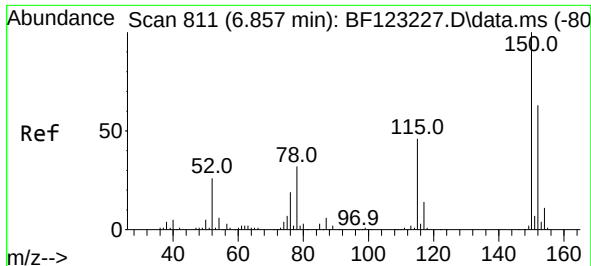
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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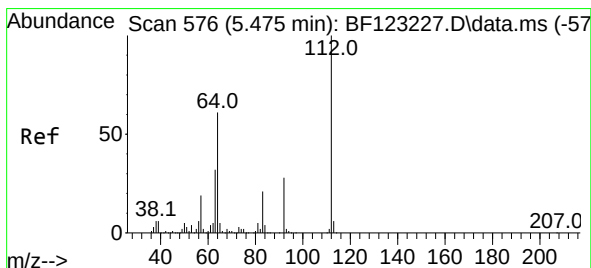
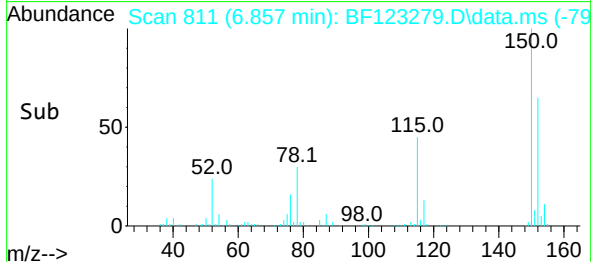
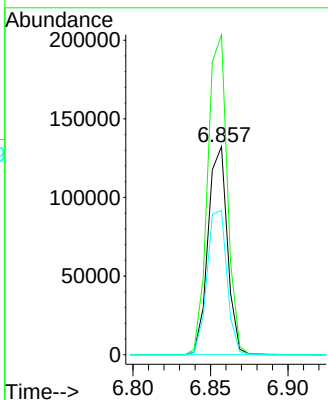
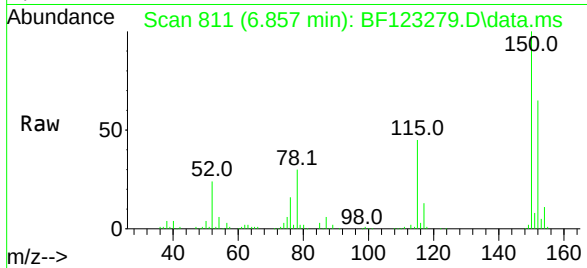




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.857 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: BF123279.D  
Acq: 23 Feb 2021 14:05

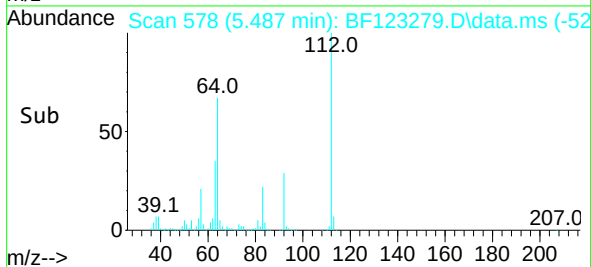
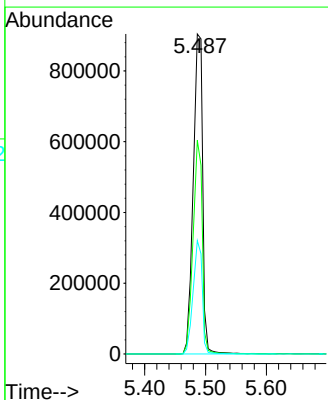
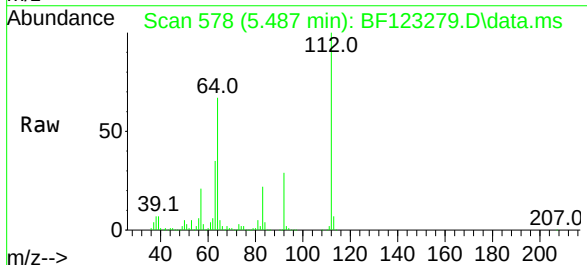
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ClientSampleId :  
PB134772BL

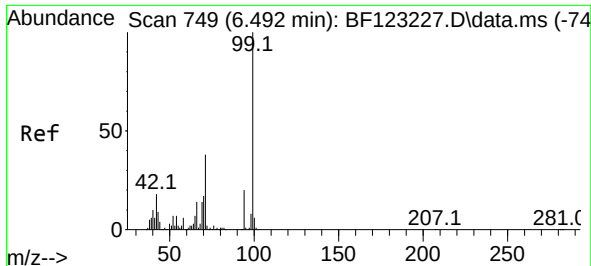
Tgt Ion:152 Resp: 114726  
Ion Ratio Lower Upper  
152 100  
150 153.7 125.8 188.6  
115 69.3 49.3 73.9



#5  
2-Fluorophenol  
Concen: 122.25 ng  
RT: 5.487 min Scan# 578  
Delta R.T. 0.012 min  
Lab File: BF123279.D  
Acq: 23 Feb 2021 14:05

Tgt Ion:112 Resp: 974382  
Ion Ratio Lower Upper  
112 100  
64 66.8 46.9 70.3  
63 35.4 24.5 36.7



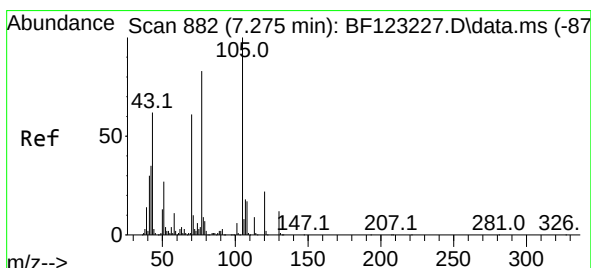
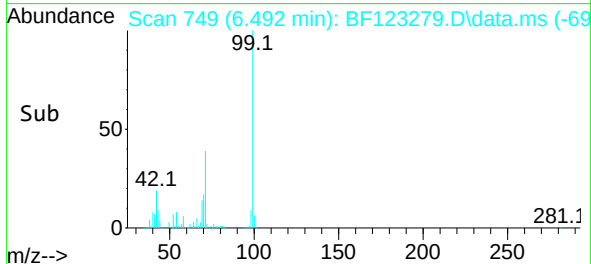
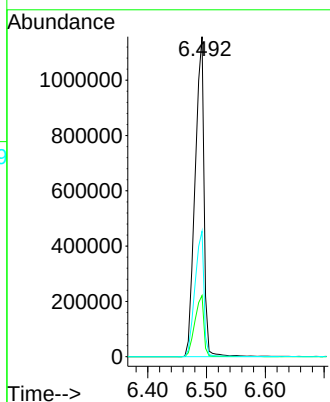
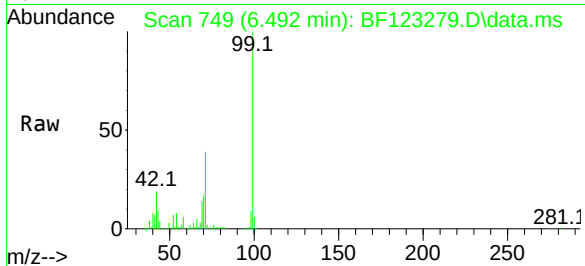


#7  
Phenol-d6  
Concen: 113.88 ng  
RT: 6.492 min Scan# 749  
Delta R.T. 0.000 min  
Lab File: BF123279.D  
Acq: 23 Feb 2021 14:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB134772BL

Tgt Ion: 99 Resp: 1233119

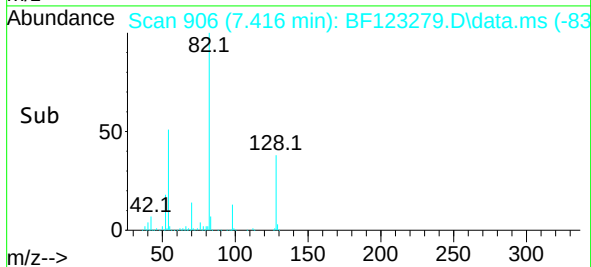
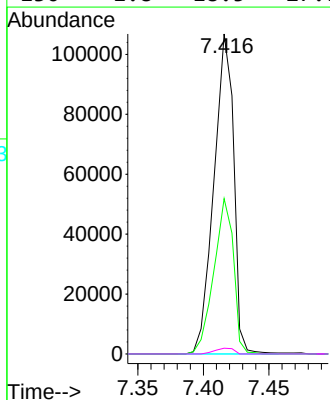
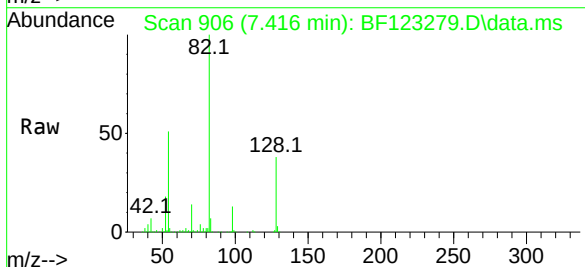
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.1  | 13.8  | 20.6  |
| 71  | 39.2  | 26.9  | 40.3  |

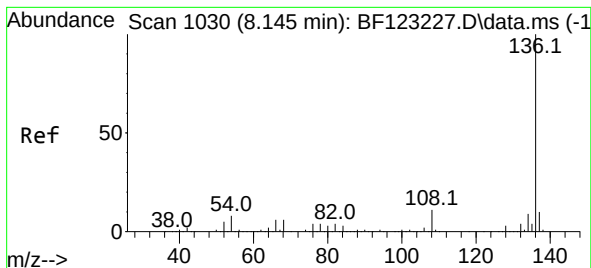


#19  
n-Nitroso-di-n-propylamine  
Concen: 17.38 ng  
RT: 7.416 min Scan# 906  
Delta R.T. 0.141 min  
Lab File: BF123279.D  
Acq: 23 Feb 2021 14:05

Tgt Ion: 70 Resp: 111962

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 48.6  | 43.0  | 64.4  |
| 101 | 0.0   | 7.9   | 11.9# |
| 130 | 1.8   | 18.5  | 27.7# |

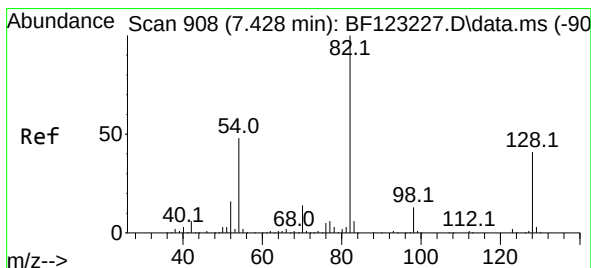
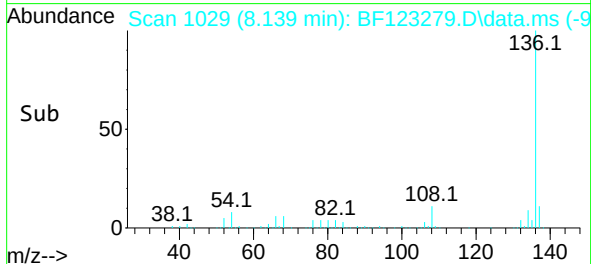
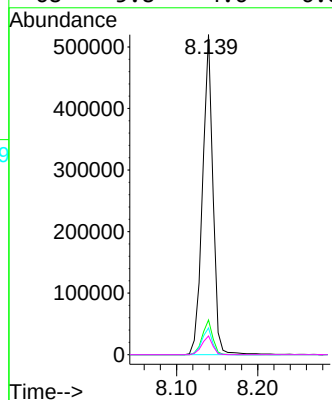
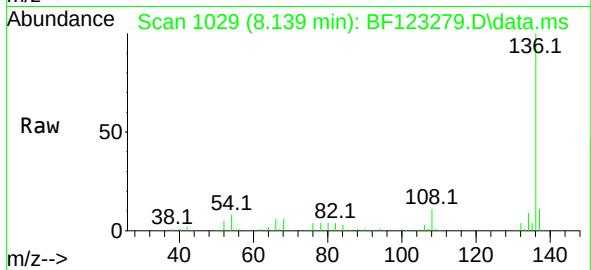




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.139 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: BF123279.D  
Acq: 23 Feb 2021 14:05

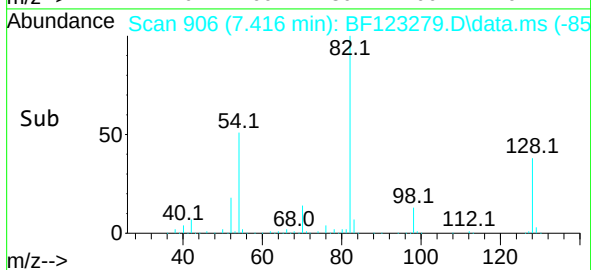
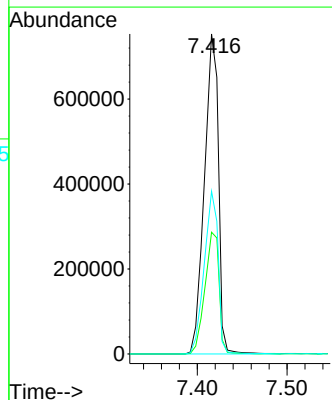
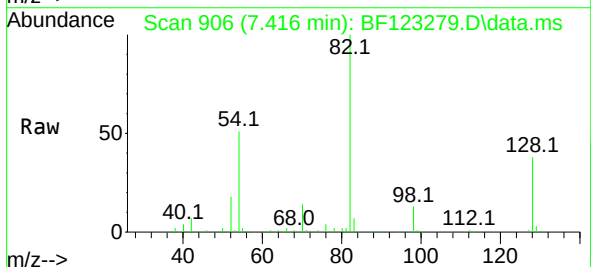
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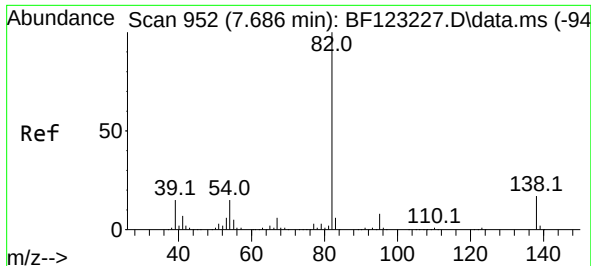
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:136 | Resp: | 462179 |
| Ion | Ratio   | Lower | Upper  |
| 136 | 100     |       |        |
| 137 | 10.8    | 8.8   | 13.2   |
| 54  | 8.4     | 5.5   | 8.3#   |
| 68  | 5.8     | 4.6   | 6.8    |



#23  
Nitrobenzene-d5  
Concen: 81.06 ng  
RT: 7.416 min Scan# 906  
Delta R.T. -0.012 min  
Lab File: BF123279.D  
Acq: 23 Feb 2021 14:05

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 818429 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 38.1    | 37.0 55.4    |
| 54 50.9     | 38.4 57.6    |

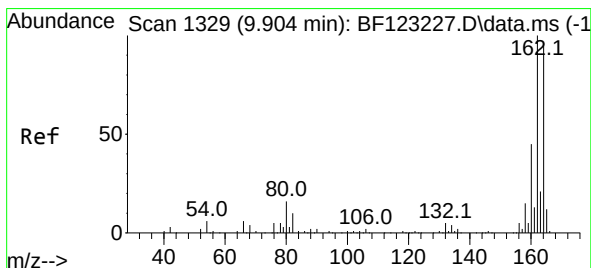
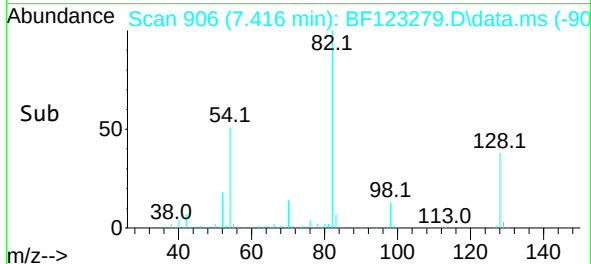
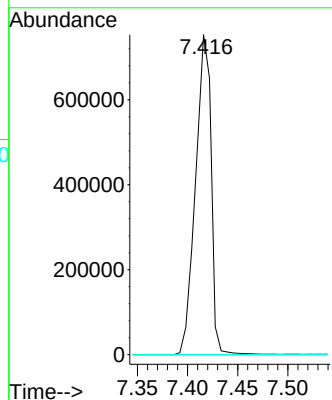
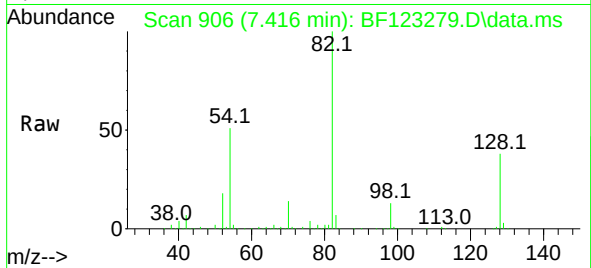




#25  
Isophorone  
Concen: 42.96 ng  
RT: 7.416 min Scan# 906  
Delta R.T. -0.271 min  
Lab File: BF123279.D  
Acq: 23 Feb 2021 14:05

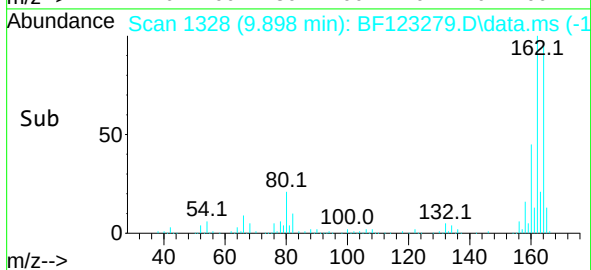
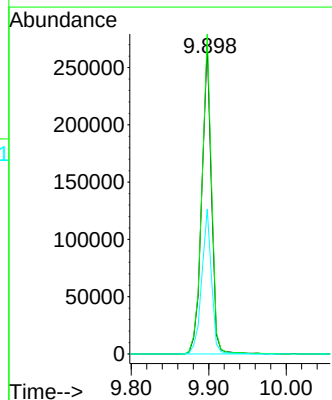
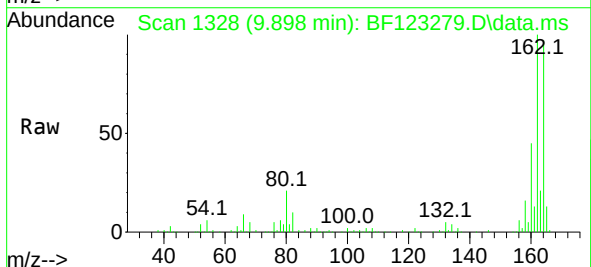
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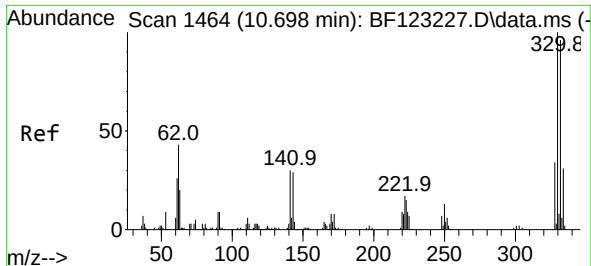
Tgt Ion: 82 Resp: 811072  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.6#  
138 0.0 14.6 21.8#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.898 min Scan# 1328  
Delta R.T. -0.006 min  
Lab File: BF123279.D  
Acq: 23 Feb 2021 14:05

Tgt Ion: 164 Resp: 234102  
Ion Ratio Lower Upper  
164 100  
162 103.4 80.8 121.2  
160 46.9 35.4 53.0

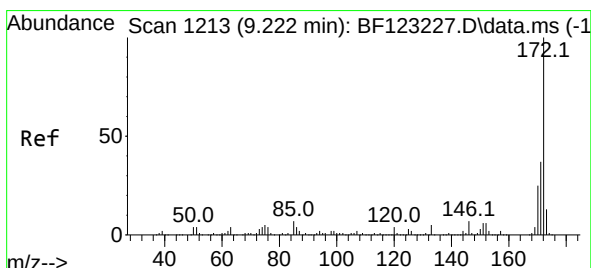
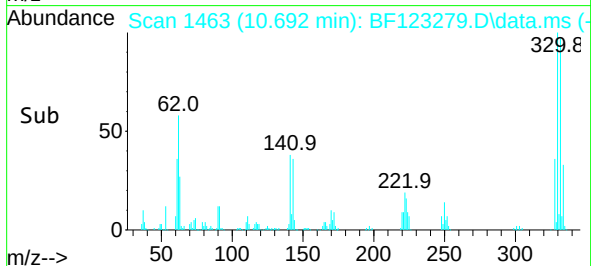
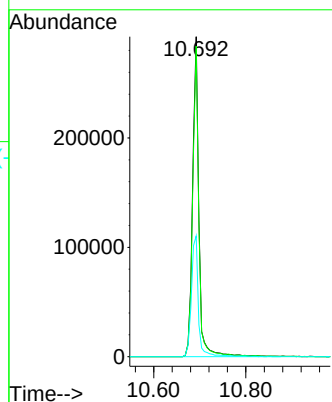
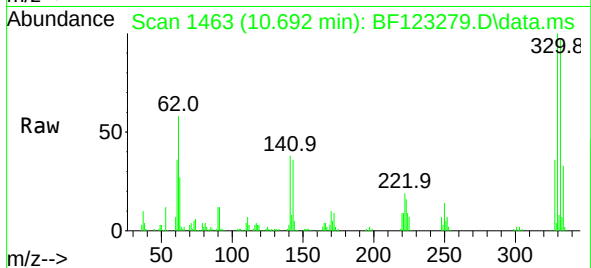




#42  
 2,4,6-Tribromophenol  
 Concen: 115.58 ng  
 RT: 10.692 min Scan# 1463  
 Delta R.T. -0.006 min  
 Lab File: BF123279.D  
 Acq: 23 Feb 2021 14:05

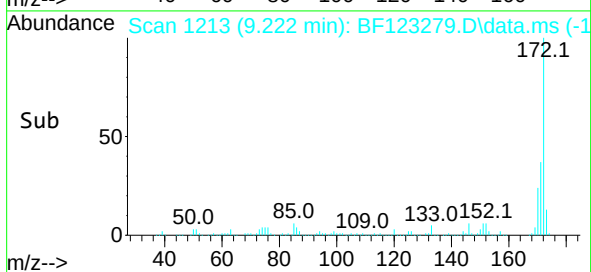
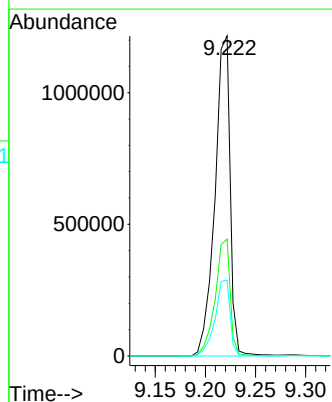
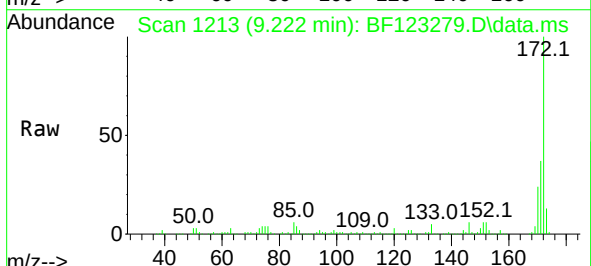
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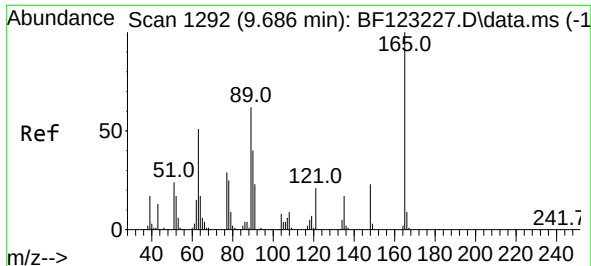
Tgt Ion: 330 Resp: 275509  
 Ion Ratio Lower Upper  
 330 100  
 332 95.2 77.5 116.3  
 141 41.9 23.8 35.8#



#45  
 2-Fluorobiphenyl  
 Concen: 79.02 ng  
 RT: 9.222 min Scan# 1213  
 Delta R.T. 0.000 min  
 Lab File: BF123279.D  
 Acq: 23 Feb 2021 14:05

Tgt Ion: 172 Resp: 1287857  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 29.6 44.4  
 170 23.8 19.5 29.3

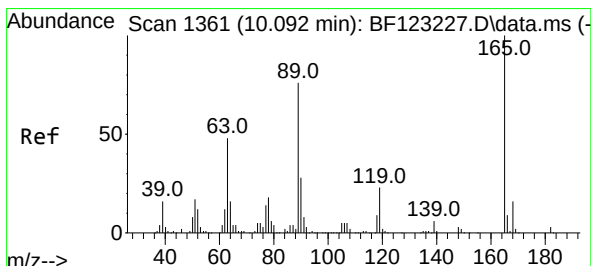
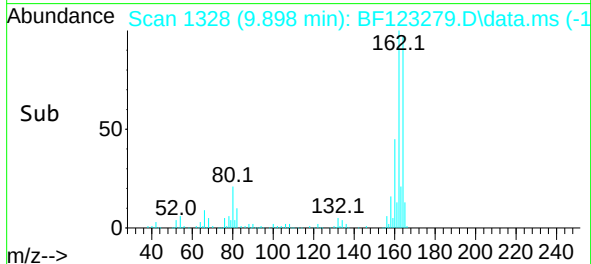
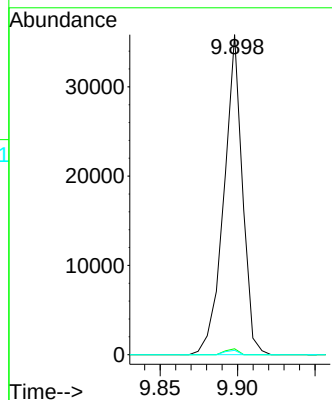
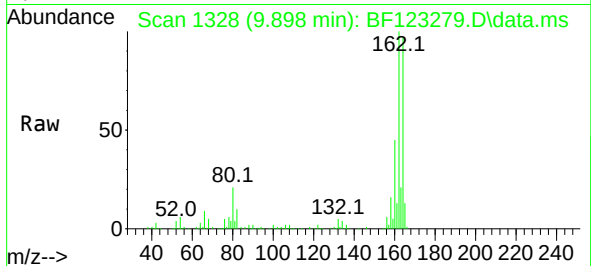




#51  
2,6-Dinitrotoluene  
Concen: 7.37 ng  
RT: 9.898 min Scan# 1328  
Delta R.T. 0.212 min  
Lab File: BF123279.D  
Acq: 23 Feb 2021 14:05

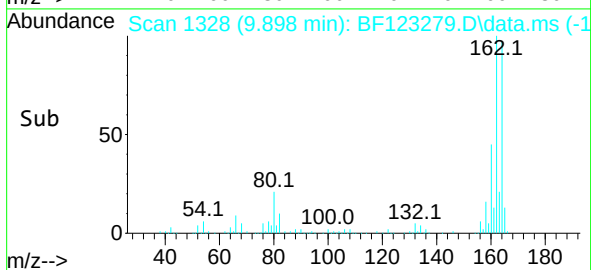
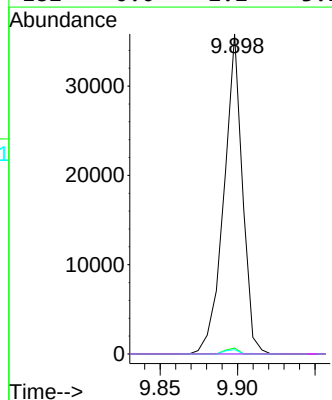
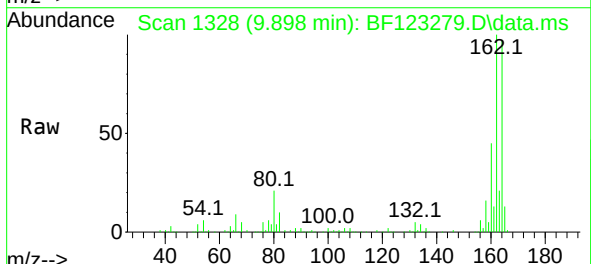
Instrument :  
BNA\_F  
ClientSampleId :  
PB134772BL

Tgt Ion:165 Resp: 29740  
Ion Ratio Lower Upper  
165 100  
63 1.9 36.6 55.0#  
89 1.3 39.4 59.0#

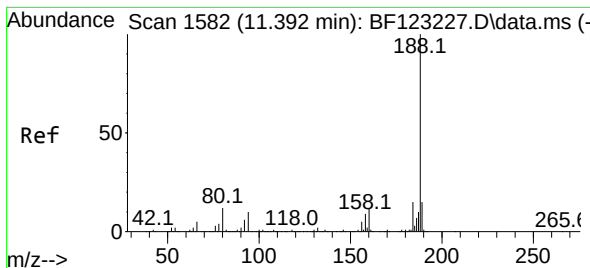


#57  
2,4-Dinitrotoluene  
Concen: 5.48 ng  
RT: 9.898 min Scan# 1328  
Delta R.T. -0.194 min  
Lab File: BF123279.D  
Acq: 23 Feb 2021 14:05

Tgt Ion:165 Resp: 29740  
Ion Ratio Lower Upper  
165 100  
63 1.9 34.3 51.5#  
89 1.3 55.2 82.8#  
182 0.0 2.2 3.2#



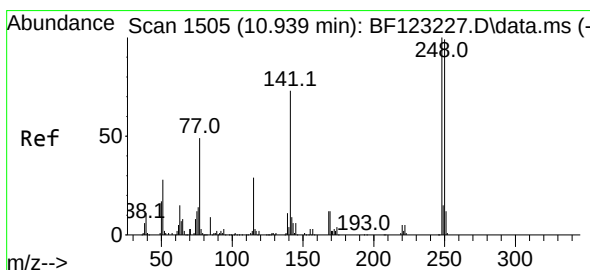
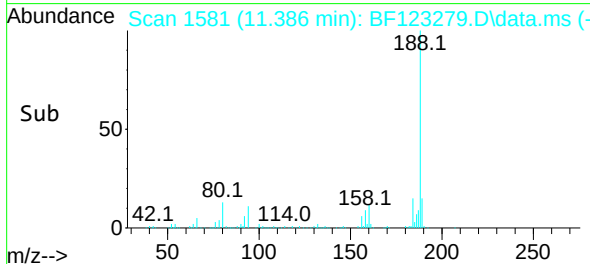
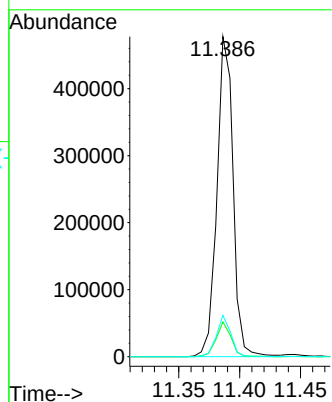
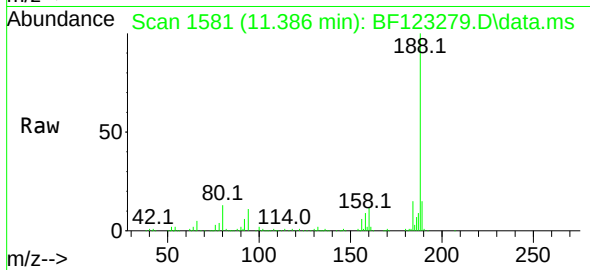




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.386 min Scan# 1581  
Delta R.T. -0.006 min  
Lab File: BF123279.D  
Acq: 23 Feb 2021 14:05

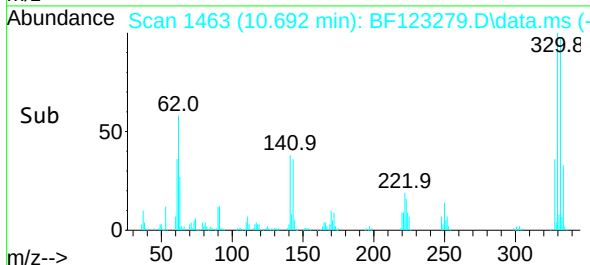
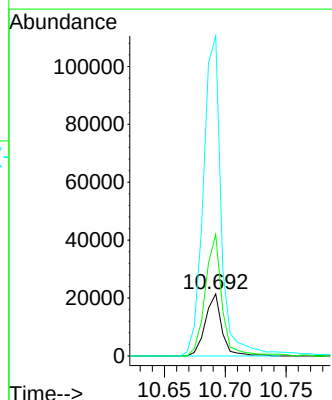
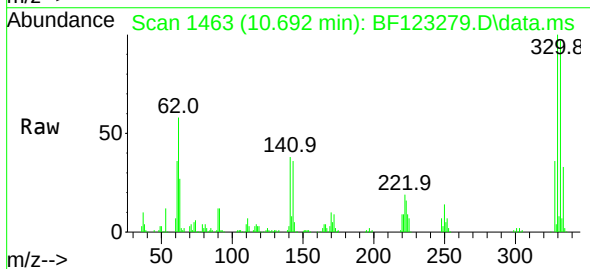
Instrument :  
BNA\_F  
ClientSampleId :  
PB134772BL

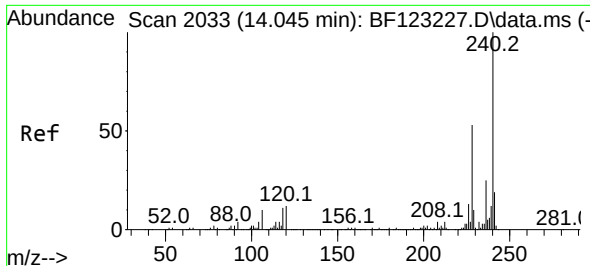
Tgt Ion:188 Resp: 441455  
Ion Ratio Lower Upper  
188 100  
94 10.8 7.4 11.2  
80 12.9 8.2 12.4#



#67  
4-Bromophenyl-phenylether  
Concen: 4.20 ng  
RT: 10.692 min Scan# 1463  
Delta R.T. -0.247 min  
Lab File: BF123279.D  
Acq: 23 Feb 2021 14:05

Tgt Ion:248 Resp: 20209  
Ion Ratio Lower Upper  
248 100  
250 195.8 76.8 115.2#  
141 515.7 59.8 89.8#

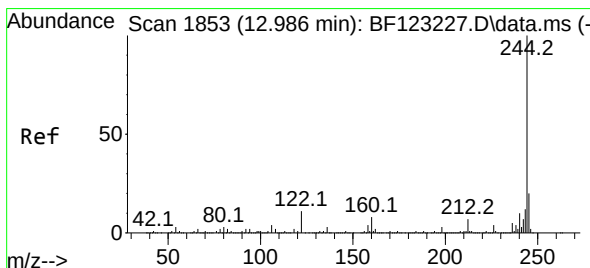
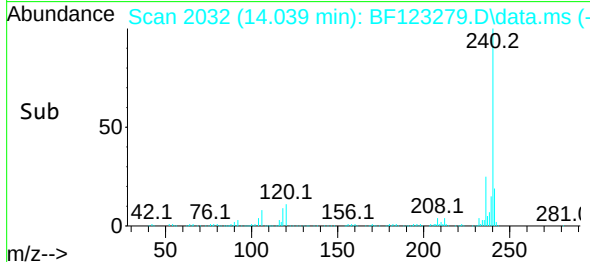
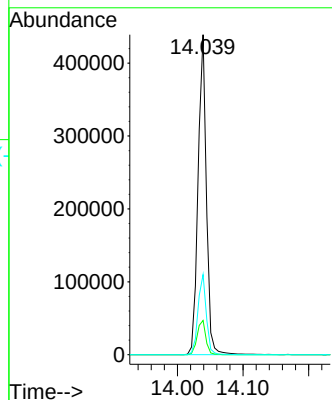
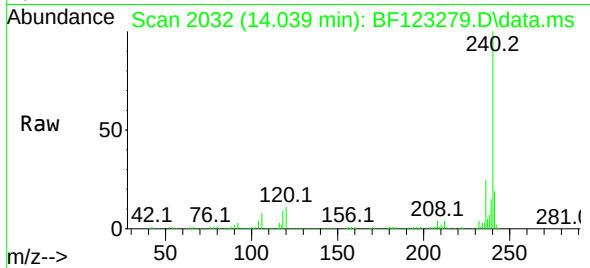




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.039 min Scan# 2032  
Delta R.T. -0.006 min  
Lab File: BF123279.D  
Acq: 23 Feb 2021 14:05

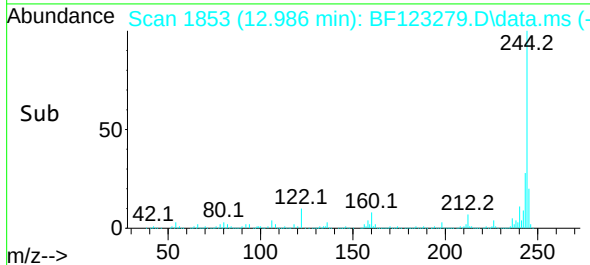
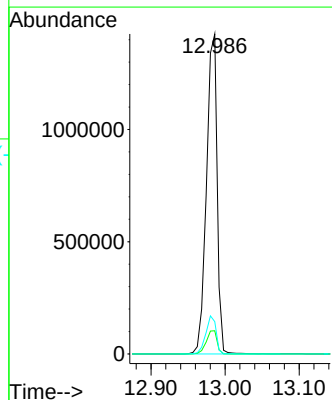
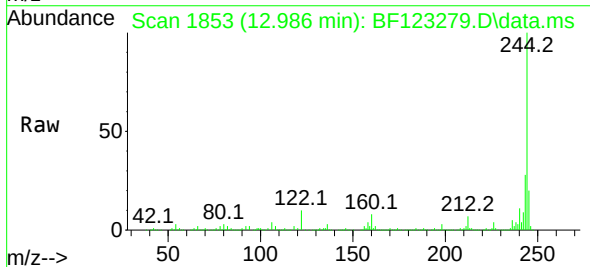
Instrument :  
BNA\_F  
ClientSampleId :  
PB134772BL

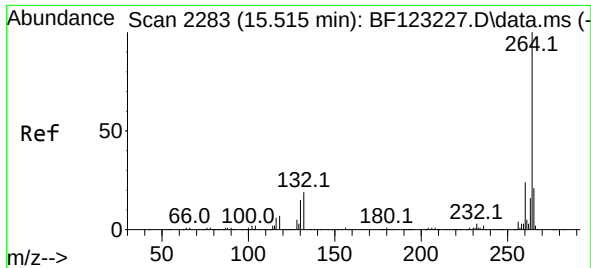
Tgt Ion:240 Resp: 388660  
Ion Ratio Lower Upper  
240 100  
120 10.7 8.6 12.8  
236 25.1 20.3 30.5



#79  
Terphenyl-d14  
Concen: 70.73 ng  
RT: 12.986 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: BF123279.D  
Acq: 23 Feb 2021 14:05

Tgt Ion:244 Resp: 1429665  
Ion Ratio Lower Upper  
244 100  
212 7.3 5.7 8.5  
122 10.1 8.3 12.5





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.509 min Scan# 2282  
 Delta R.T. -0.006 min  
 Lab File: BF123279.D  
 Acq: 23 Feb 2021 14:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB134772BL

Tgt Ion:264 Resp: 354197  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 18.6 28.0  
 265 21.2 17.0 25.6

