

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021721\  
 Data File : BF123217.D  
 Acq On : 17 Feb 2021 17:46  
 Operator : JU/CG  
 Sample : M1423-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-05-021621

Quant Time: Feb 18 06:36:51 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF021221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 12 16:59:49 2021  
 Response via : Initial Calibration

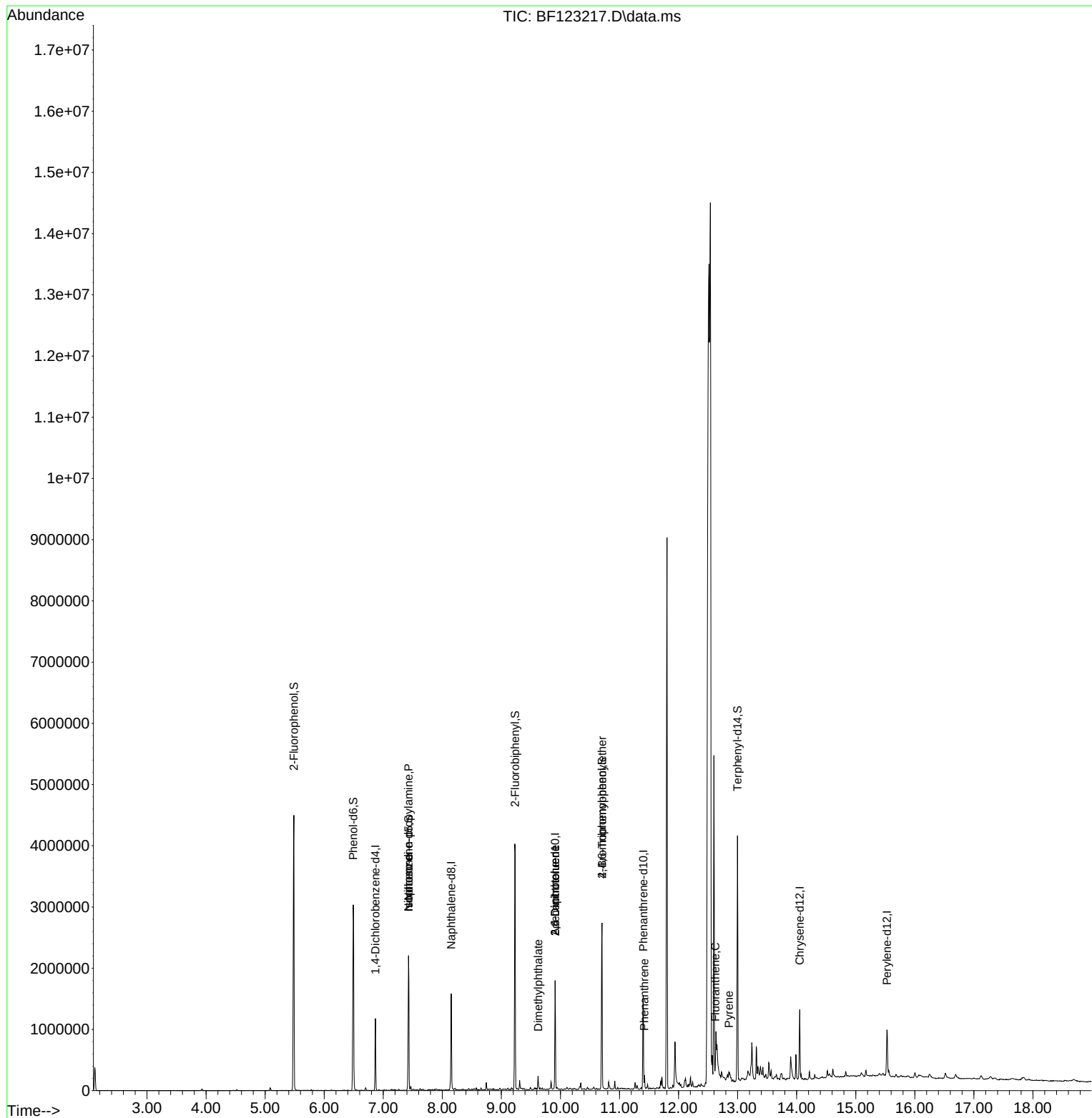
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 157154   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 643460   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 316381   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 560327   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 361227   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.527 | 264  | 342106   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 1299391  | 125.33 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.492  | 99   | 1174891  | 85.81  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.428  | 82   | 725517   | 59.25  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 315202   | 92.25  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 1265328  | 59.77  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 1124933  | 62.41  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.428  | 70   | 96911    | 12.35  | ng    | Qvalue   |
| 25) Isophorone                | 7.428  | 82   | 723619   | 31.82  | ng    | # 80     |
| 50) Dimethylphthalate         | 9.622  | 163  | 64925    | 2.83   | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.910  | 165  | 41539    | 7.53   | ng    | # 99     |
| 57) 2,4-Dinitrotoluene        | 9.910  | 165  | 41539    | 5.58   | ng    | # 32     |
| 67) 4-Bromophenyl-phenylether | 10.704 | 248  | 21211    | 3.56   | ng    | # 26     |
| 71) Phenanthrene              | 11.422 | 178  | 74850    | 2.27   | ng    | # 1      |
| 75) Fluoranthene              | 12.621 | 202  | 76223    | 2.30   | ng    | 97       |
| 78) Pyrene                    | 12.851 | 202  | 61309    | 2.30   | ng    | 97       |
| -----                         |        |      |          |        |       |          |

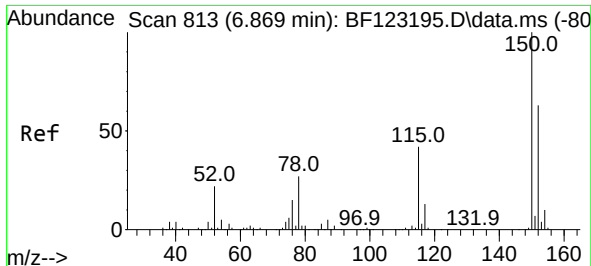
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021721\  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF021221.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 12 16:59:49 2021  
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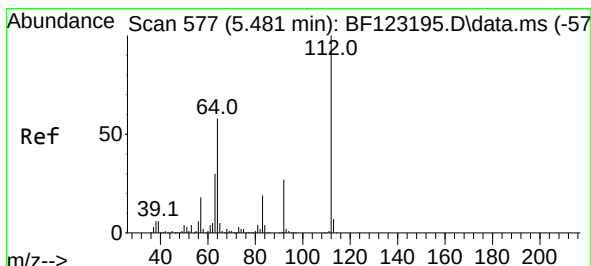
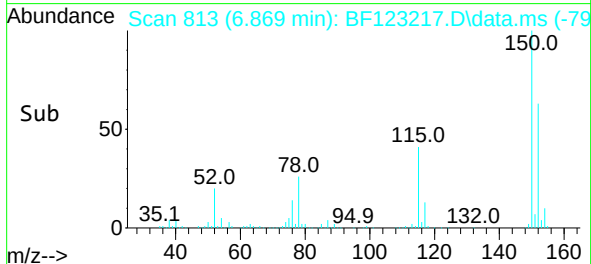
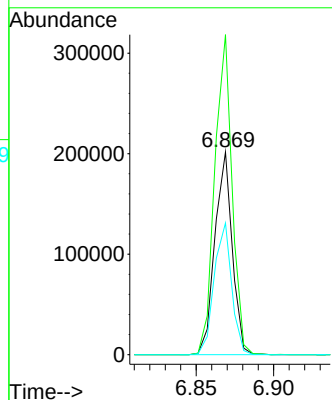
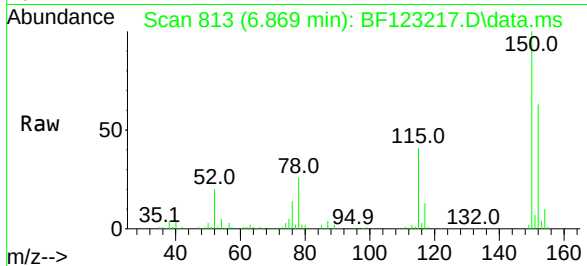




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.869 min Scan# 813  
Delta R.T. -0.000 min  
Lab File: BF123217.D  
Acq: 17 Feb 2021 17:46

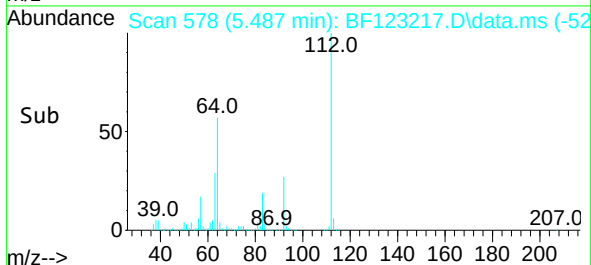
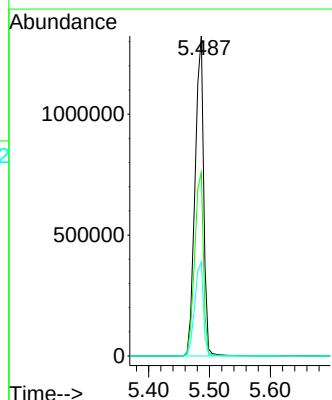
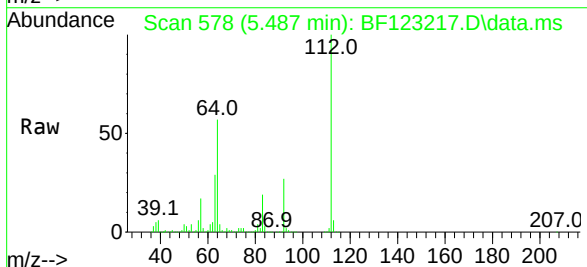
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BNA\_F  
ClientSampleId :  
TR-05-021621

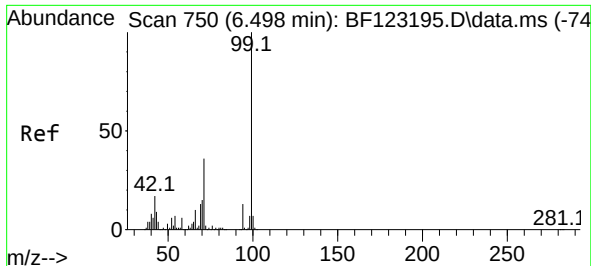
Tgt Ion:152 Resp: 157154  
Ion Ratio Lower Upper  
152 100  
150 157.8 125.8 188.6  
115 64.9 49.3 73.9



#5  
2-Fluorophenol  
Concen: 125.33 ng  
RT: 5.487 min Scan# 578  
Delta R.T. 0.006 min  
Lab File: BF123217.D  
Acq: 17 Feb 2021 17:46

Tgt Ion:112 Resp: 1299391  
Ion Ratio Lower Upper  
112 100  
64 57.3 46.9 70.3  
63 29.4 24.5 36.7



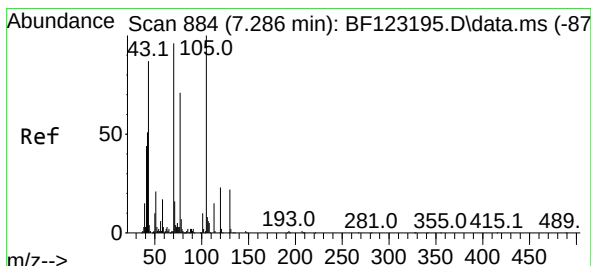
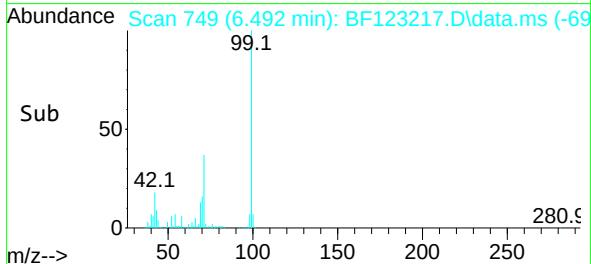
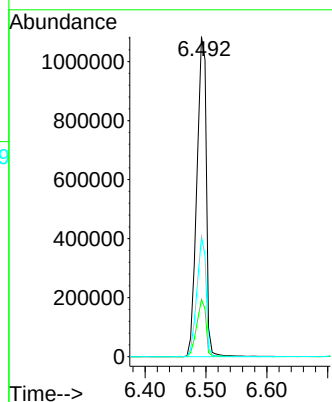
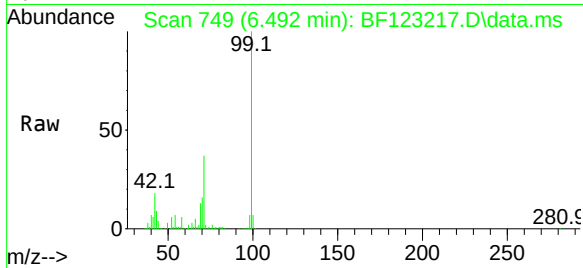


#7  
Phenol-d6  
Concen: 85.81 ng  
RT: 6.492 min Scan# 749  
Delta R.T. -0.006 min  
Lab File: BF123217.D  
Acq: 17 Feb 2021 17:46

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 99 Resp: 1174891

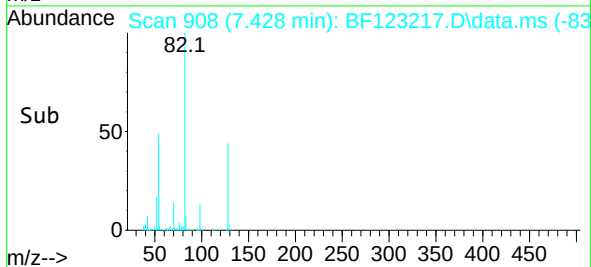
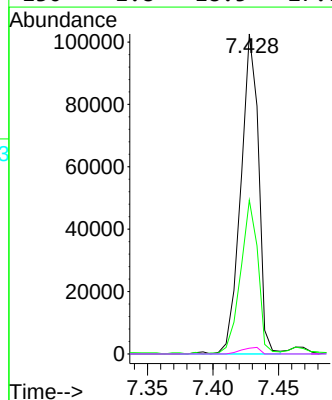
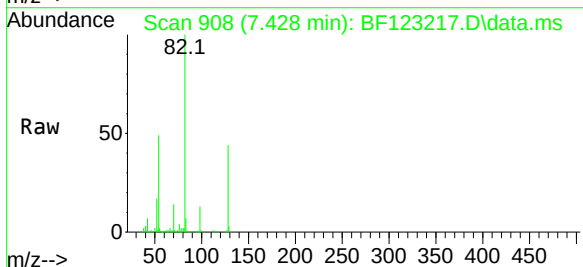
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.9  | 13.8  | 20.6  |
| 71  | 37.5  | 26.9  | 40.3  |

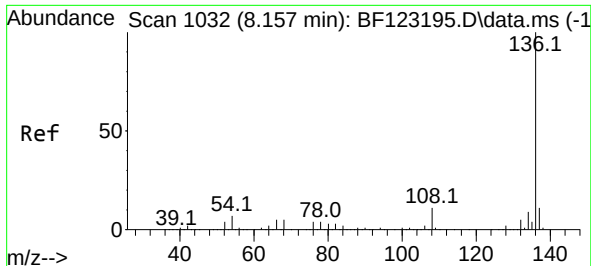


#19  
n-Nitroso-di-n-propylamine  
Concen: 12.35 ng  
RT: 7.428 min Scan# 908  
Delta R.T. 0.141 min  
Lab File: BF123217.D  
Acq: 17 Feb 2021 17:46

Tgt Ion: 70 Resp: 96911

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 48.1  | 43.0  | 64.4  |
| 101 | 0.0   | 7.9   | 11.9# |
| 130 | 1.8   | 18.5  | 27.7# |

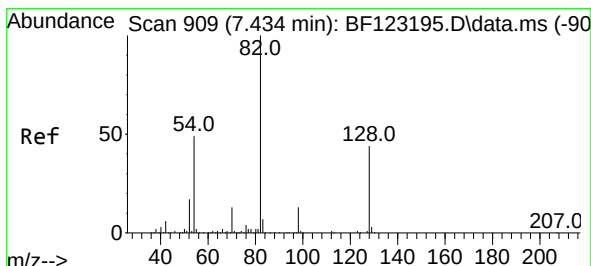
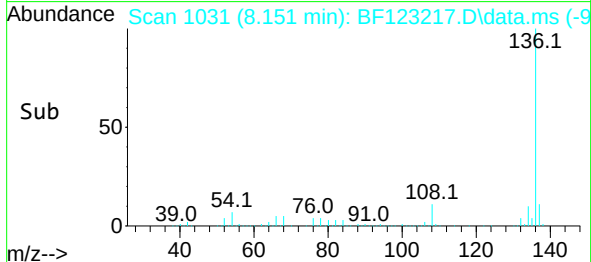
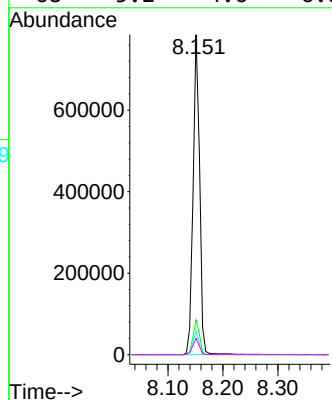
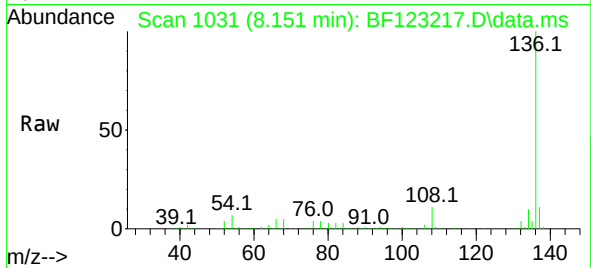




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.151 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF123217.D  
Acq: 17 Feb 2021 17:46

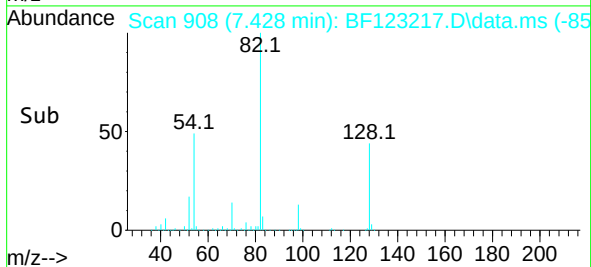
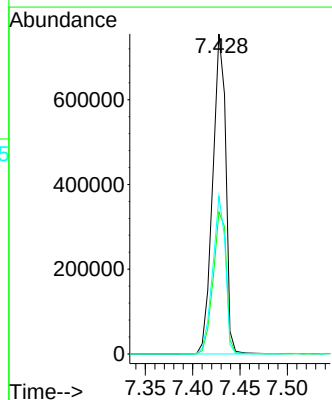
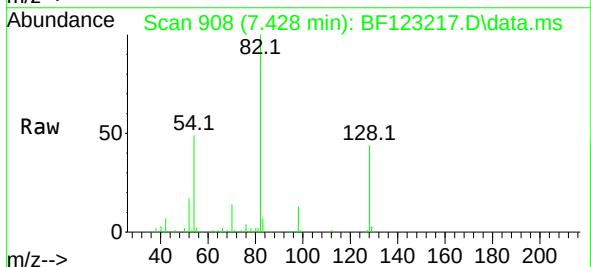
Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-021621

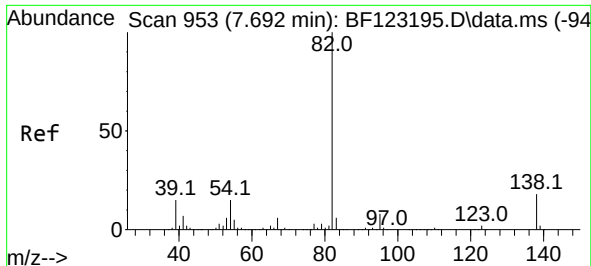
|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 643460 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.9    | 8.8 13.2     |
| 54 7.3      | 5.5 8.3      |
| 68 5.2      | 4.6 6.8      |



#23  
Nitrobenzene-d5  
Concen: 59.25 ng  
RT: 7.428 min Scan# 908  
Delta R.T. -0.006 min  
Lab File: BF123217.D  
Acq: 17 Feb 2021 17:46

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 725517 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 44.4    | 37.0 55.4    |
| 54 49.3     | 38.4 57.6    |

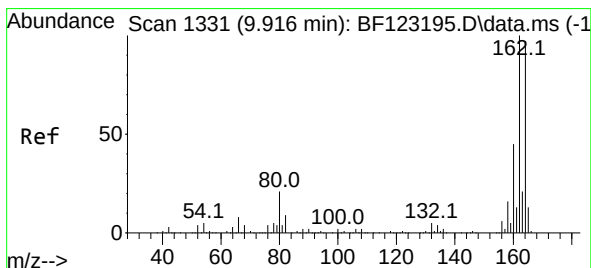
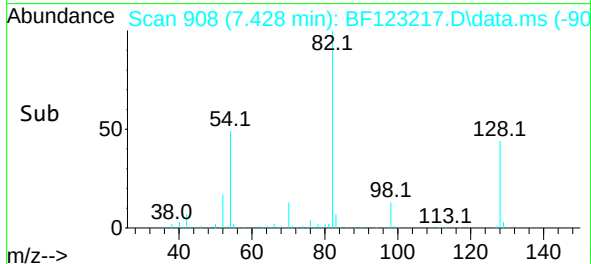
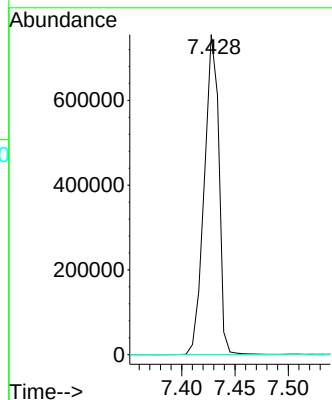
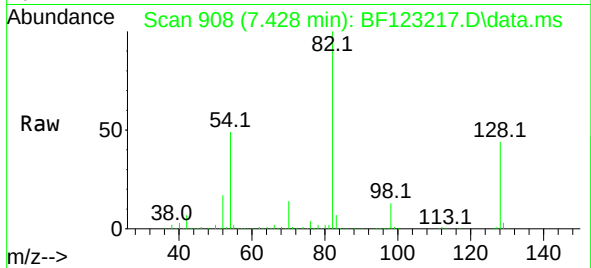




#25  
Isophorone  
Concen: 31.82 ng  
RT: 7.428 min Scan# 908  
Delta R.T. -0.265 min  
Lab File: BF123217.D  
Acq: 17 Feb 2021 17:46

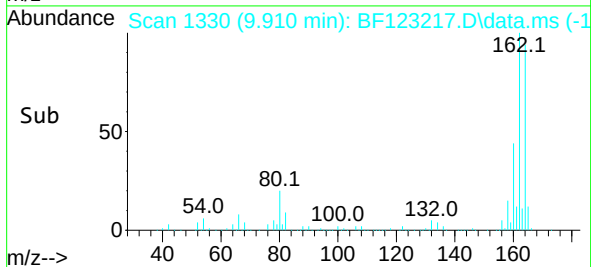
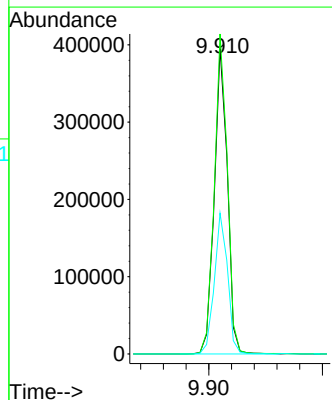
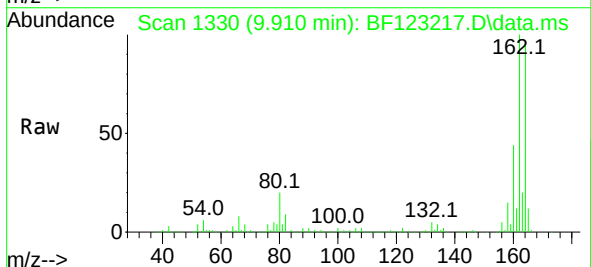
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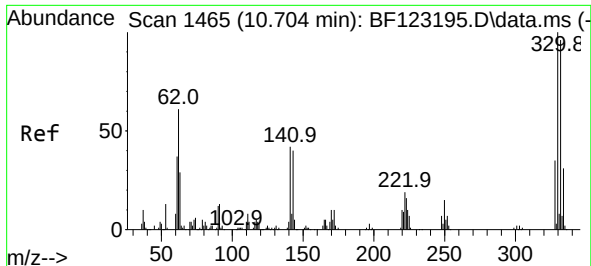
Tgt Ion: 82 Resp: 723619  
Ion Ratio Lower Upper  
82 100  
95 0.1 5.8 8.6#  
138 0.0 14.6 21.8#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. -0.006 min  
Lab File: BF123217.D  
Acq: 17 Feb 2021 17:46

Tgt Ion: 164 Resp: 316381  
Ion Ratio Lower Upper  
164 100  
162 104.7 80.8 121.2  
160 46.1 35.4 53.0

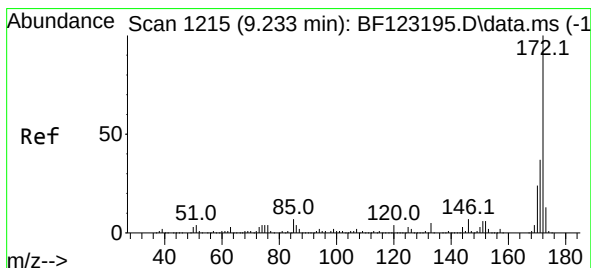
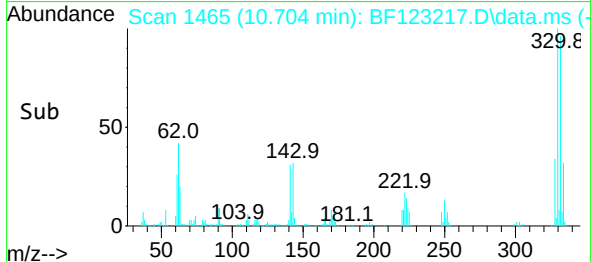
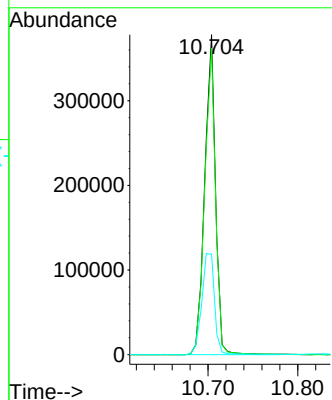
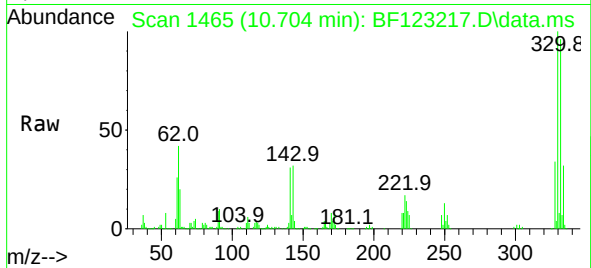




#42  
2,4,6-Tribromophenol  
Concen: 92.25 ng  
RT: 10.704 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: BF123217.D  
Acq: 17 Feb 2021 17:46

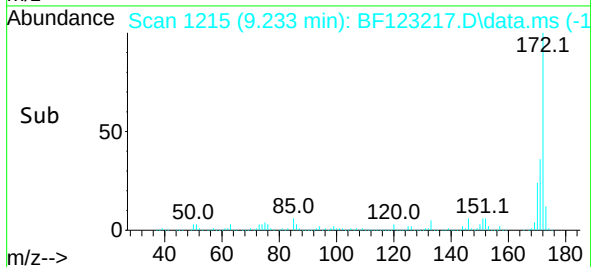
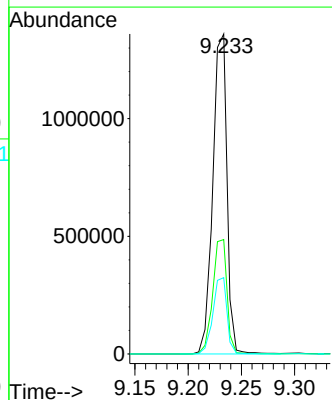
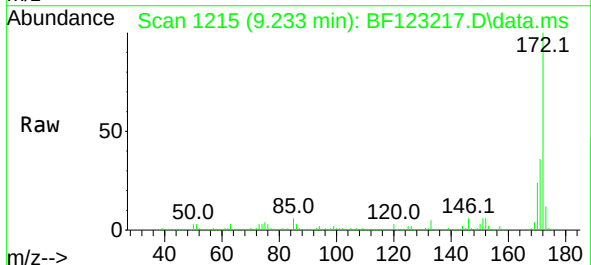
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BNA\_F  
ClientSampleId :  
TR-05-021621

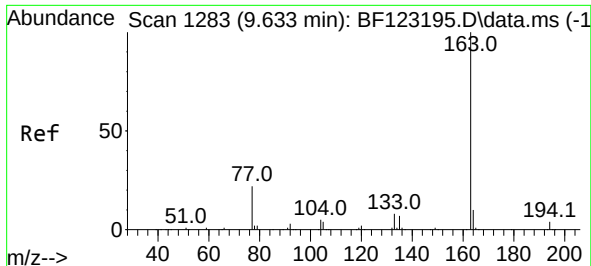
Tgt Ion: 330 Resp: 315202  
Ion Ratio Lower Upper  
330 100  
332 96.7 77.5 116.3  
141 37.8 23.8 35.8#



#45  
2-Fluorobiphenyl  
Concen: 59.77 ng  
RT: 9.233 min Scan# 1215  
Delta R.T. 0.000 min  
Lab File: BF123217.D  
Acq: 17 Feb 2021 17:46

Tgt Ion: 172 Resp: 1265328  
Ion Ratio Lower Upper  
172 100  
171 35.7 29.6 44.4  
170 23.9 19.5 29.3

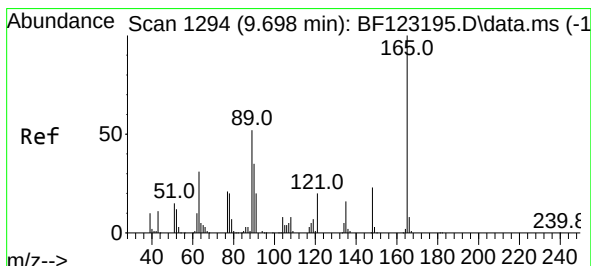
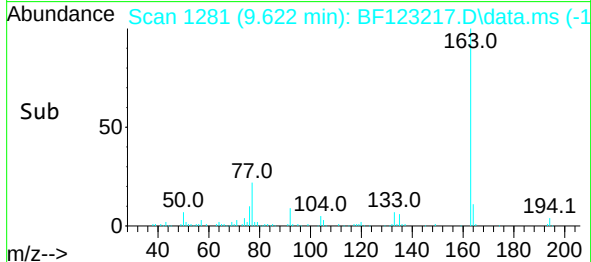
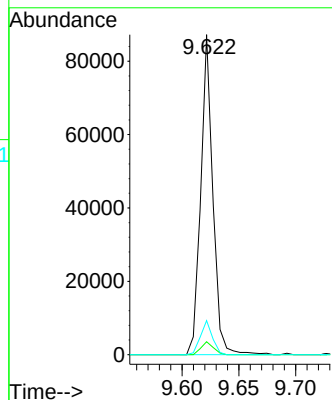
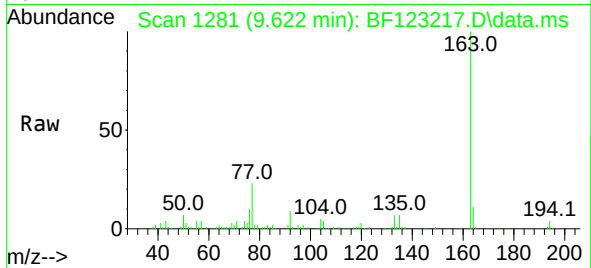




#50  
Dimethylphthalate  
Concen: 2.83 ng  
RT: 9.622 min Scan# 1281  
Delta R.T. -0.012 min  
Lab File: BF123217.D  
Acq: 17 Feb 2021 17:46

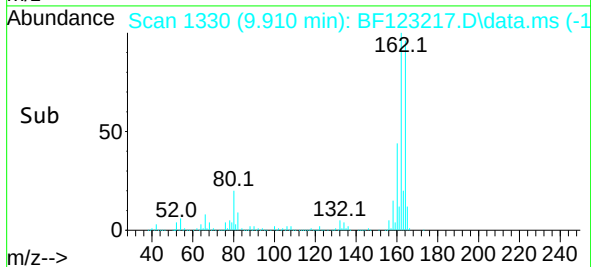
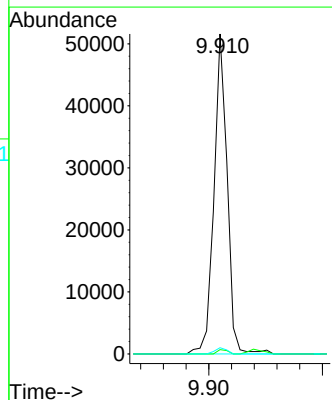
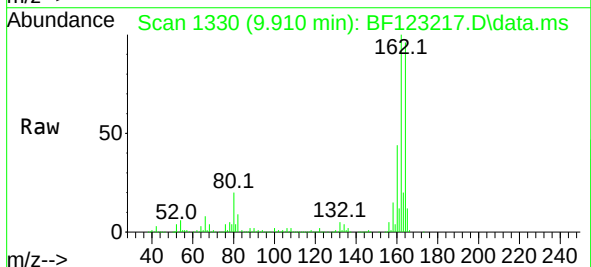
Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-021621

Tgt Ion:163 Resp: 64925  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.4 5.0  
164 10.6 8.1 12.1

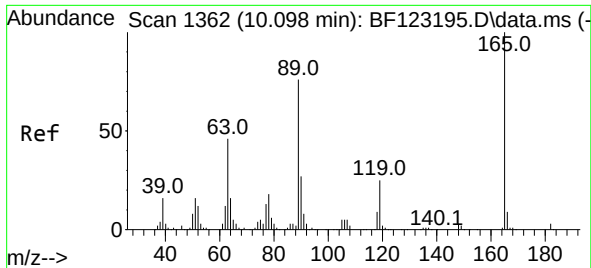


#51  
2,6-Dinitrotoluene  
Concen: 7.53 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. 0.212 min  
Lab File: BF123217.D  
Acq: 17 Feb 2021 17:46

Tgt Ion:165 Resp: 41539  
Ion Ratio Lower Upper  
165 100  
63 1.4 36.6 55.0#  
89 1.9 39.4 59.0#

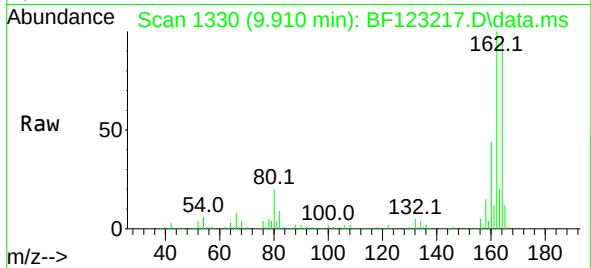




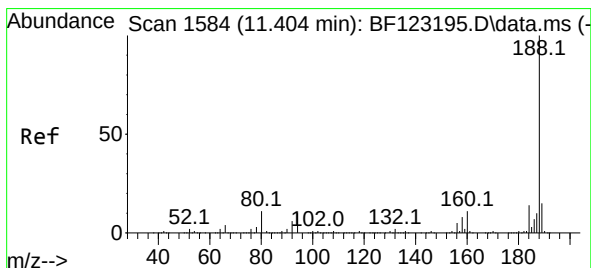
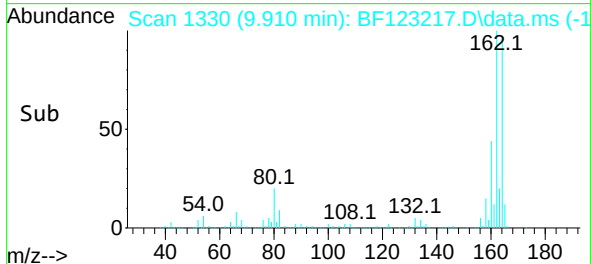
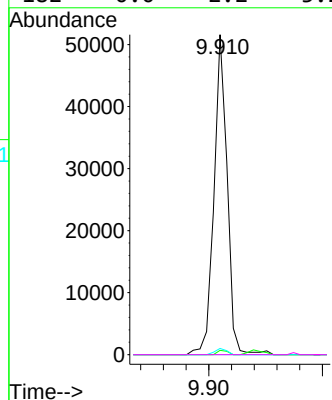


#57  
2,4-Dinitrotoluene  
Concen: 5.58 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. -0.188 min  
Lab File: BF123217.D  
Acq: 17 Feb 2021 17:46

Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-021621

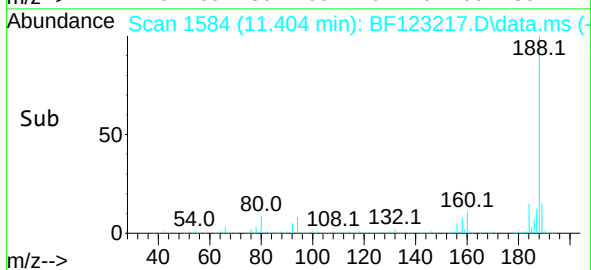
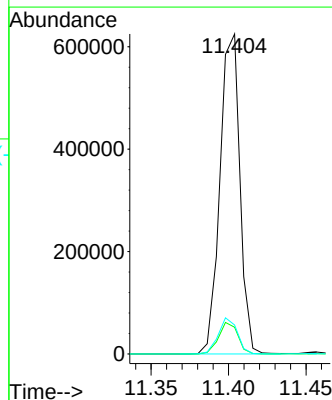
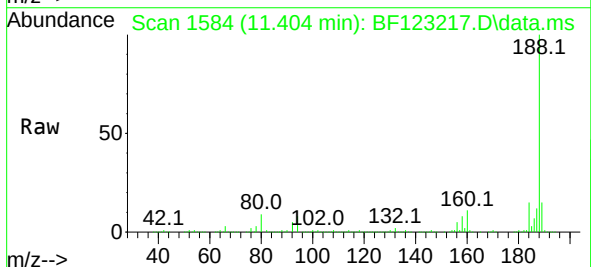


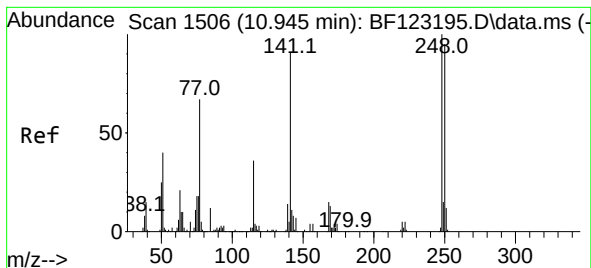
Tgt Ion:165 Resp: 41539  
Ion Ratio Lower Upper  
165 100  
63 1.4 34.3 51.5#  
89 1.9 55.2 82.8#  
182 0.0 2.2 3.2#



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.404 min Scan# 1584  
Delta R.T. 0.000 min  
Lab File: BF123217.D  
Acq: 17 Feb 2021 17:46

Tgt Ion:188 Resp: 560327  
Ion Ratio Lower Upper  
188 100  
94 8.4 7.4 11.2  
80 9.1 8.2 12.4

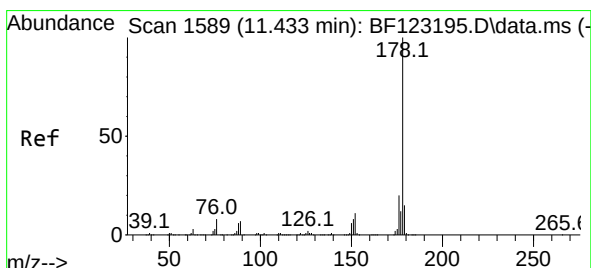
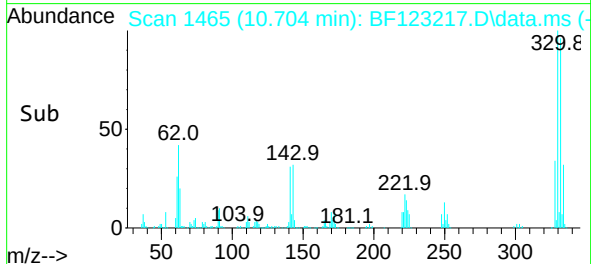
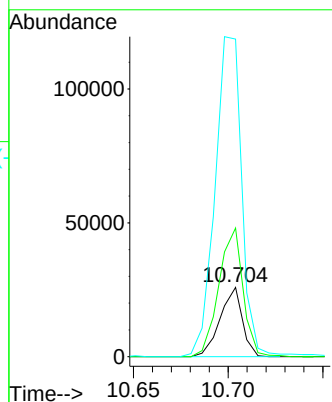
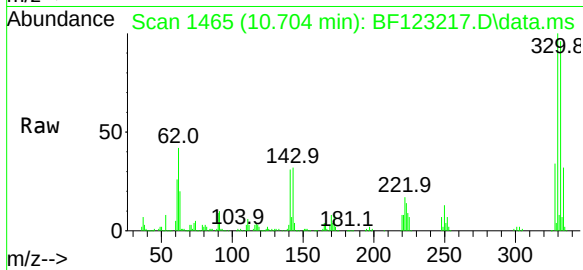




#67  
4-Bromophenyl-phenylether  
Concen: 3.56 ng  
RT: 10.704 min Scan# 1465  
Delta R.T. -0.241 min  
Lab File: BF123217.D  
Acq: 17 Feb 2021 17:46

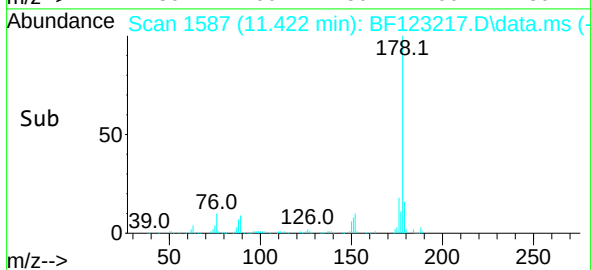
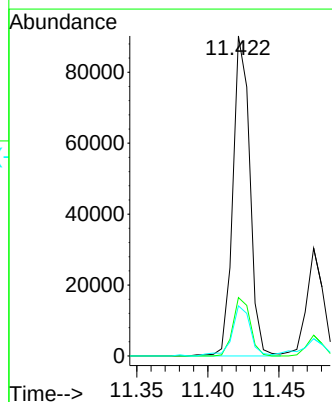
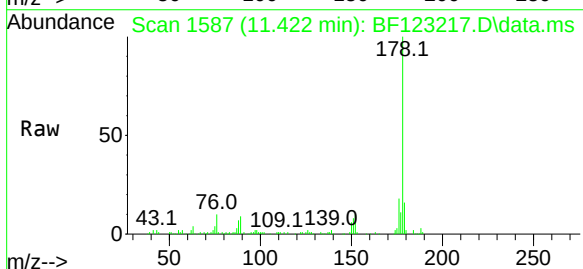
Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-021621

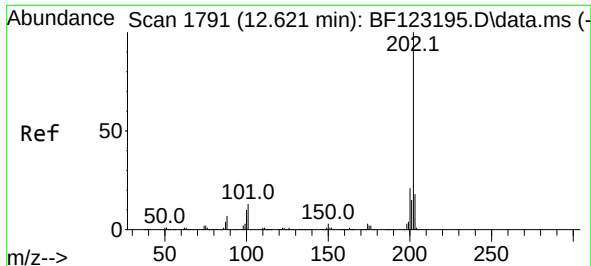
Tgt Ion:248 Resp: 21211  
Ion Ratio Lower Upper  
248 100  
250 185.5 76.8 115.2#  
141 458.0 59.8 89.8#



#71  
Phenanthrene  
Concen: 2.27 ng  
RT: 11.422 min Scan# 1587  
Delta R.T. -0.012 min  
Lab File: BF123217.D  
Acq: 17 Feb 2021 17:46

Tgt Ion:178 Resp: 74850  
Ion Ratio Lower Upper  
178 100  
176 18.3 16.2 24.2  
179 15.7 12.7 19.1

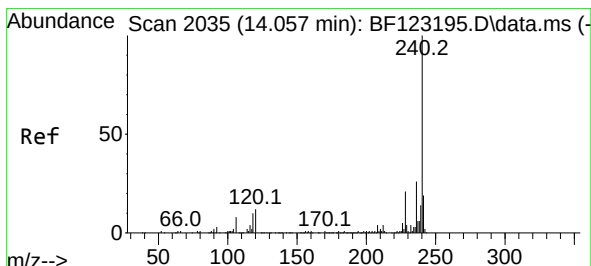
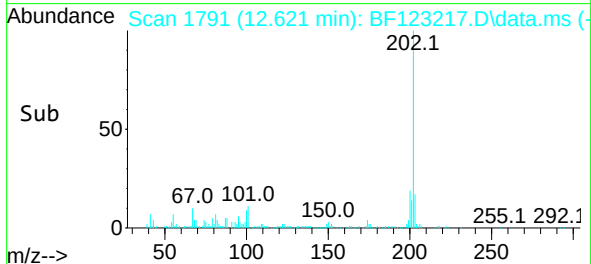
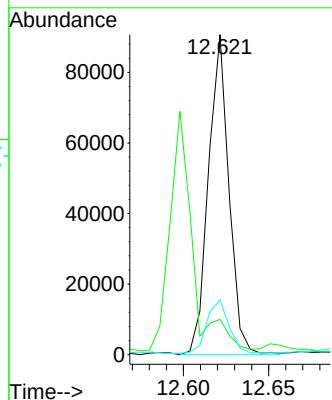
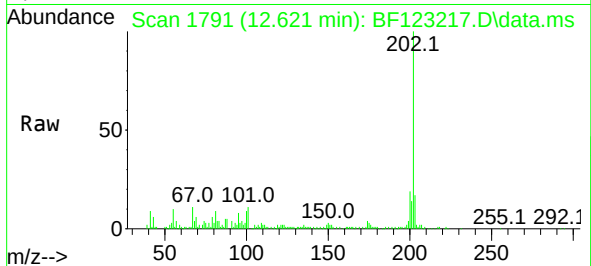




#75  
Fluoranthene  
Concen: 2.30 ng  
RT: 12.621 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: BF123217.D  
Acq: 17 Feb 2021 17:46

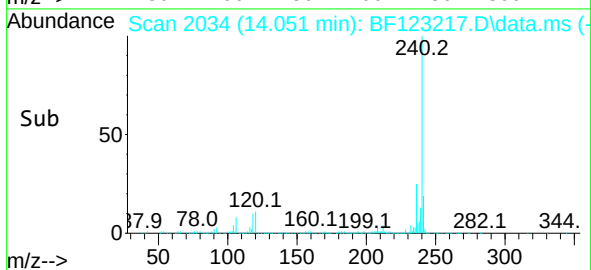
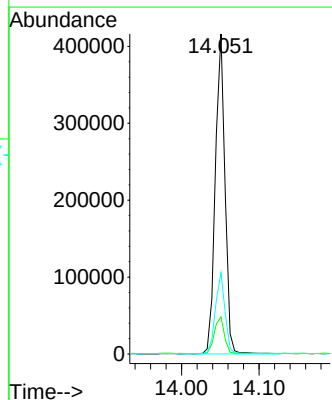
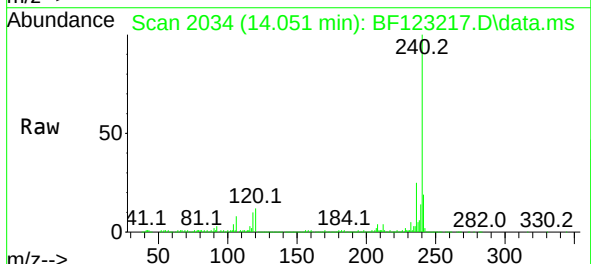
Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-021621

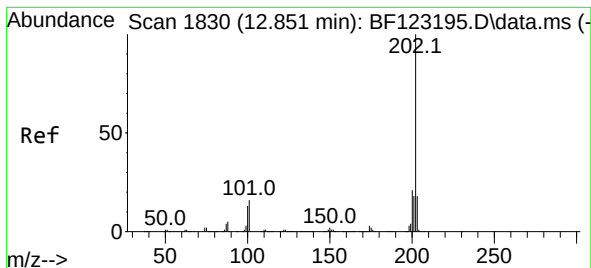
Tgt Ion:202 Resp: 76223  
Ion Ratio Lower Upper  
202 100  
101 11.0 0.0 32.2  
203 17.2 0.0 38.1



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.051 min Scan# 2034  
Delta R.T. -0.006 min  
Lab File: BF123217.D  
Acq: 17 Feb 2021 17:46

Tgt Ion:240 Resp: 361227  
Ion Ratio Lower Upper  
240 100  
120 11.6 8.6 12.8  
236 25.4 20.3 30.5





#78

Pyrene

Concen: 2.30 ng

RT: 12.851 min Scan# 1830

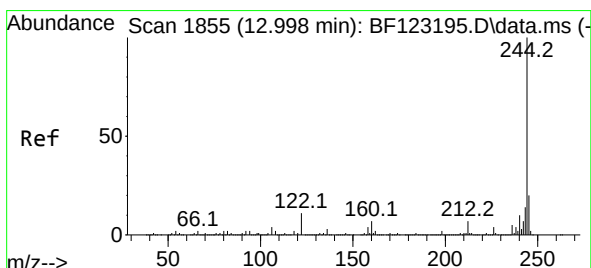
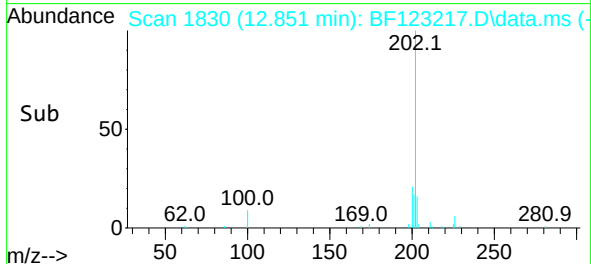
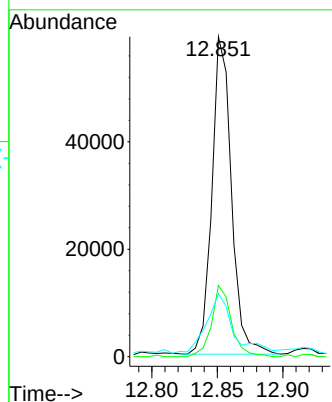
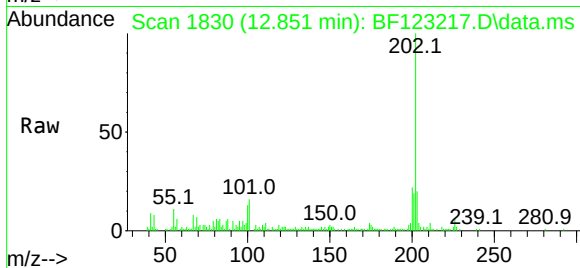
Delta R.T. 0.000 min

Lab File: BF123217.D

Acq: 17 Feb 2021 17:46

Tgt Ion:202 Resp: 61309

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 22.2  | 17.6  | 26.4  |
| 203 | 19.7  | 14.6  | 21.8  |



#79

Terphenyl-d14

Concen: 62.41 ng

RT: 12.998 min Scan# 1855

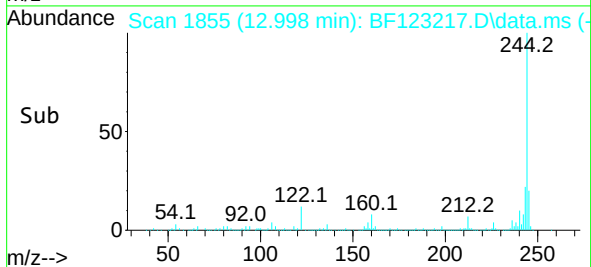
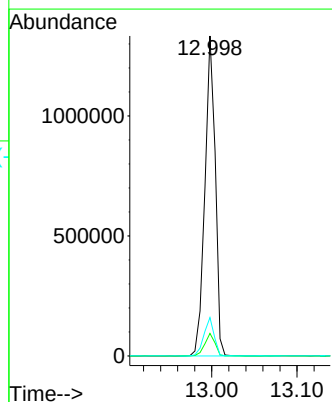
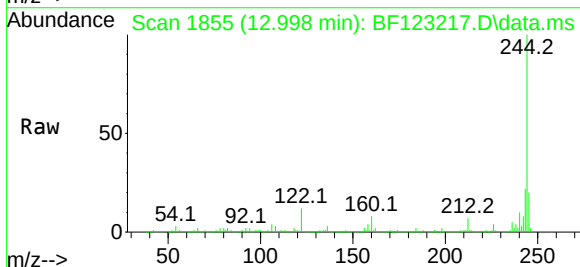
Delta R.T. 0.000 min

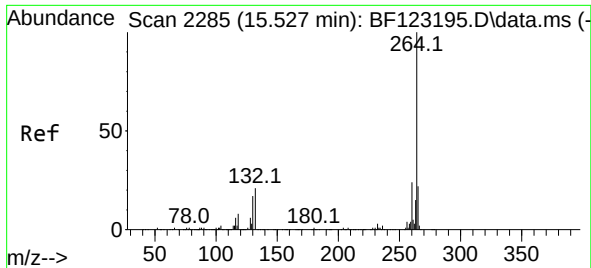
Lab File: BF123217.D

Acq: 17 Feb 2021 17:46

Tgt Ion:244 Resp: 1124933

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.1   | 5.7   | 8.5   |
| 122 | 12.0  | 8.3   | 12.5  |





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.527 min Scan# 2285  
 Delta R.T. 0.000 min  
 Lab File: BF123217.D  
 Acq: 17 Feb 2021 17:46

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-05-021621

Tgt Ion:264 Resp: 342106  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 18.6 28.0  
 265 21.1 17.0 25.6

