

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120720\  
 Data File : BF122582.D  
 Acq On : 7 Dec 2020 20:32  
 Operator : JU/CG  
 Sample : L4960-05  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BES-12SR

Quant Time: Dec 08 00:24:44 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF120520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 07 12:08:49 2020  
 Response via : Initial Calibration

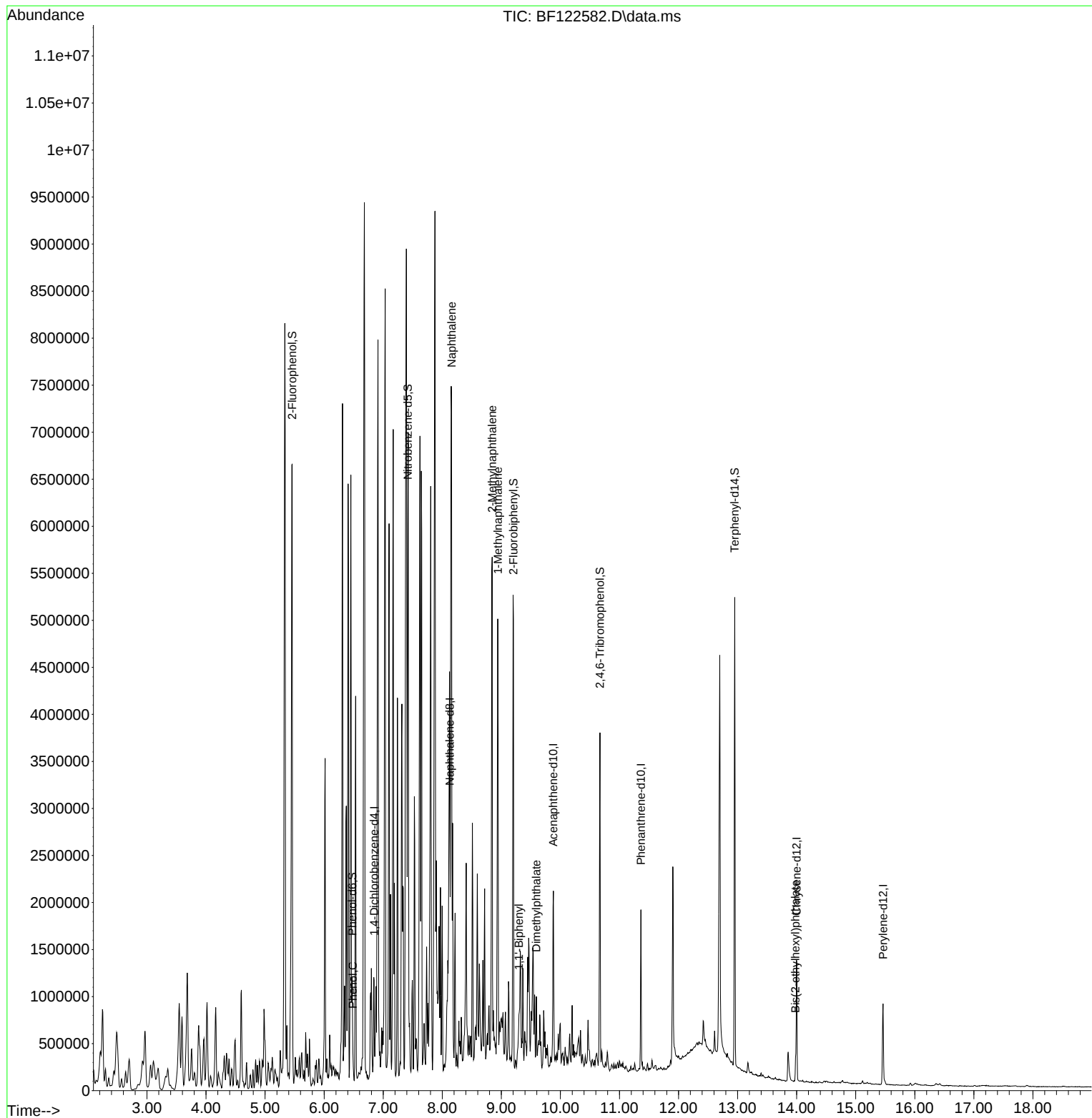
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.845  | 152  | 163321   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.128  | 136  | 560817   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.881  | 164  | 344459   | 20.00  | ng    | # 0.00   |
| 64) Phenanthrene-d10          | 11.363 | 188  | 592565   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.998 | 240  | 438745   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12              | 15.463 | 264  | 402411   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.457  | 112  | 399680   | 38.74  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.475  | 99   | 378380   | 27.66  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.416  | 82   | 843842   | 75.39  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 469714   | 104.18 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 1724925  | 67.73  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 1555138  | 62.04  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 10) Phenol                    | 6.487  | 94   | 75479    | 5.32   | ng    | 92       |
| 31) Naphthalene               | 8.157  | 128  | 3233207  | 104.48 | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.845  | 142  | 1695839  | 82.84  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.939  | 142  | 1240572  | 64.06  | ng    | 100      |
| 46) 1,1'-Biphenyl             | 9.298  | 154  | 64912    | 2.27   | ng    | 99       |
| 50) Dimethylphthalate         | 9.592  | 163  | 261655   | 9.51   | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.980 | 149  | 68290    | 3.26   | ng    | 99       |
| -----                         |        |      |          |        |       |          |

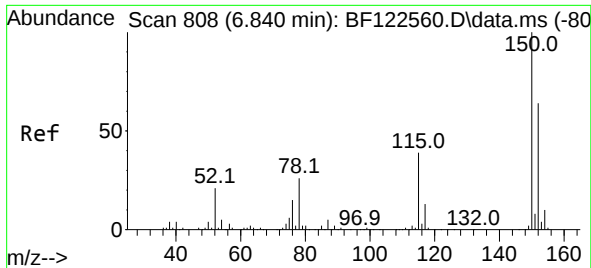
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120720\  
Data File : BF122582.D  
Acq On : 7 Dec 2020 20:32  
Operator : JU/CG  
Sample : L4960-05  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BES-12SR

Quant Time: Dec 08 00:24:44 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF120520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 07 12:08:49 2020  
Response via : Initial Calibration

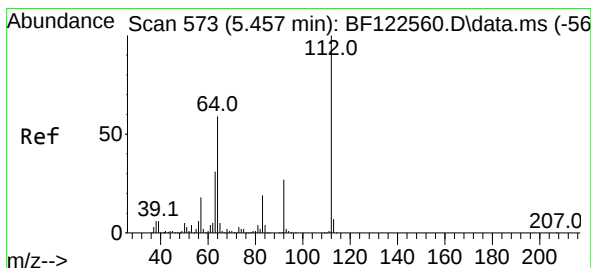
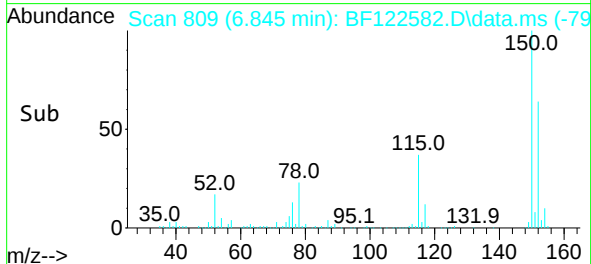
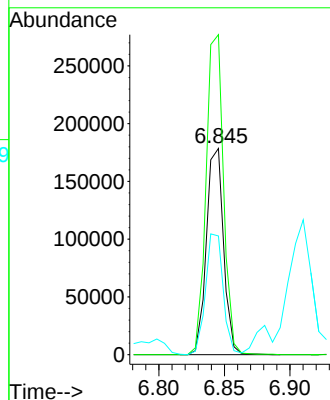
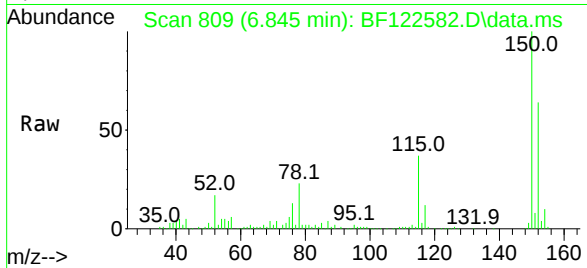




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.845 min Scan# 809  
Delta R.T. 0.005 min  
Lab File: BF122582.D  
Acq: 7 Dec 2020 20:32

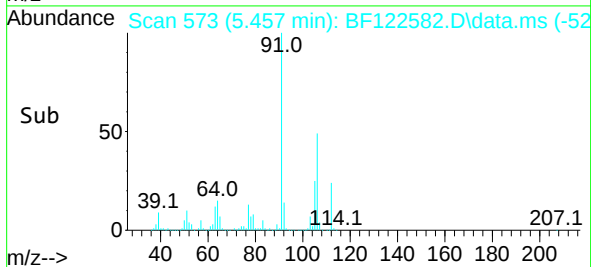
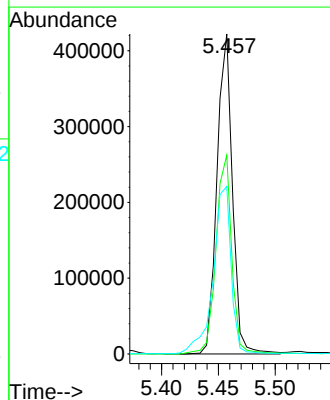
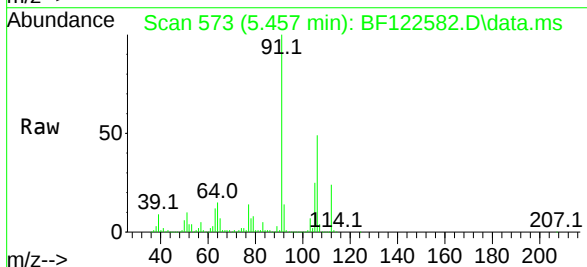
Instrument :  
BNA\_F  
ClientSampleId :  
BES-12SR

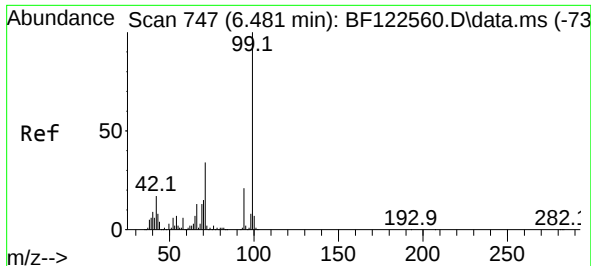
Tgt Ion:152 Resp: 163321  
Ion Ratio Lower Upper  
152 100  
150 155.1 125.8 188.6  
115 57.5 49.3 73.9



#5  
2-Fluorophenol  
Concen: 38.74 ng  
RT: 5.457 min Scan# 573  
Delta R.T. 0.000 min  
Lab File: BF122582.D  
Acq: 7 Dec 2020 20:32

Tgt Ion:112 Resp: 399680  
Ion Ratio Lower Upper  
112 100  
64 62.1 46.9 70.3  
63 52.4 24.5 36.7#

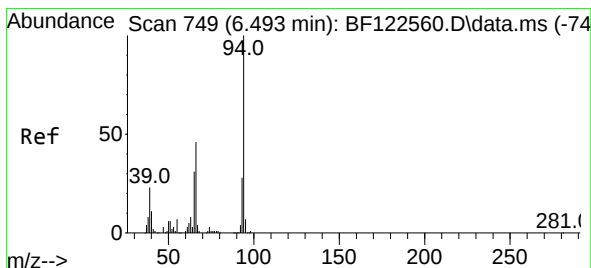
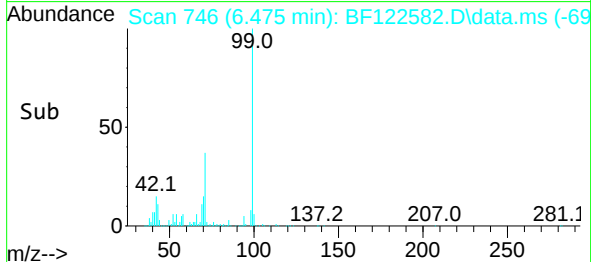
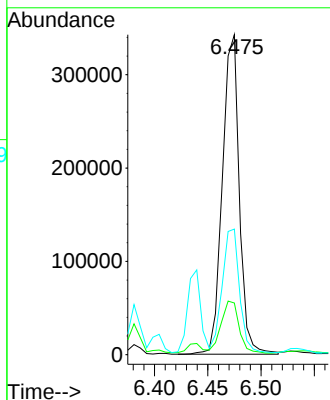
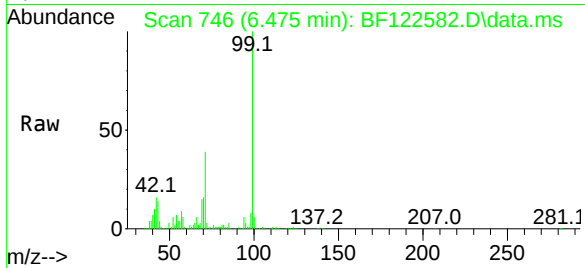




#7  
Phenol-d6  
Concen: 27.66 ng  
RT: 6.475 min Scan# 746  
Delta R.T. -0.006 min  
Lab File: BF122582.D  
Acq: 7 Dec 2020 20:32

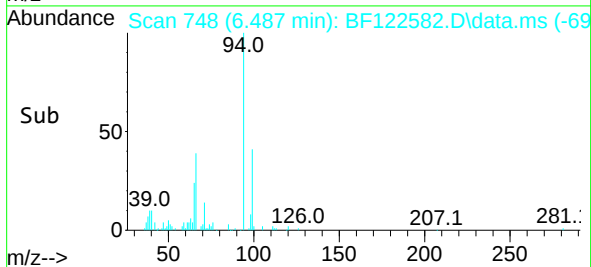
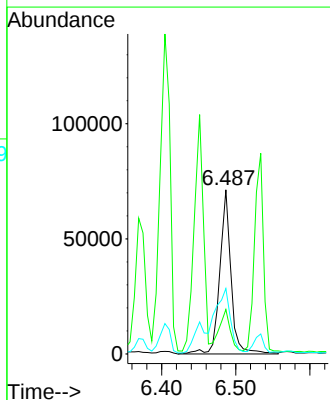
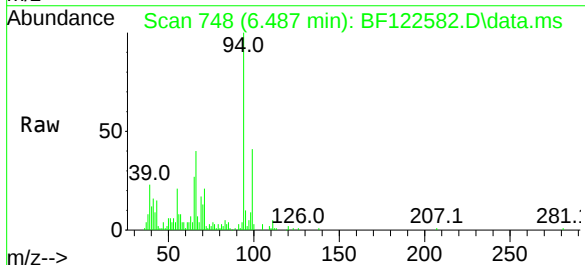
Instrument :  
BNA\_F  
ClientSampleId :  
BES-12SR

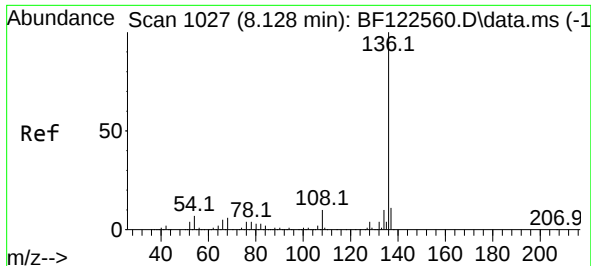
Tgt Ion: 99 Resp: 378380  
Ion Ratio Lower Upper  
99 100  
42 16.1 13.8 20.6  
71 39.2 26.9 40.3



#10  
Phenol  
Concen: 5.32 ng  
RT: 6.487 min Scan# 748  
Delta R.T. -0.006 min  
Lab File: BF122582.D  
Acq: 7 Dec 2020 20:32

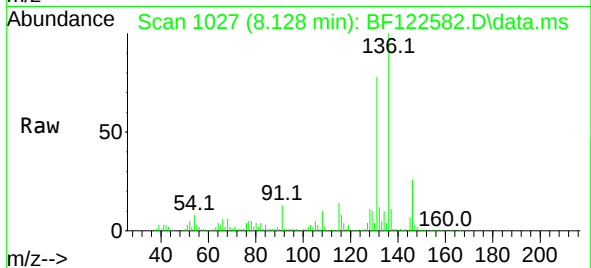
Tgt Ion: 94 Resp: 75479  
Ion Ratio Lower Upper  
94 100  
65 27.1 11.2 51.2  
66 39.9 25.8 65.8



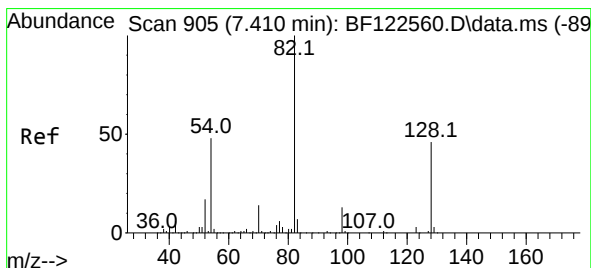
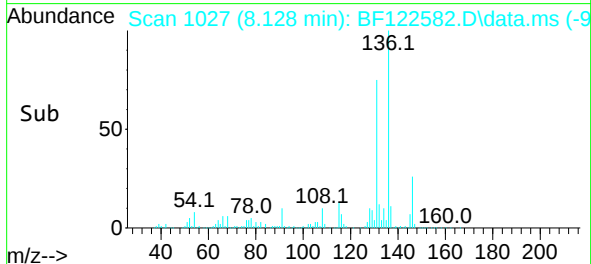
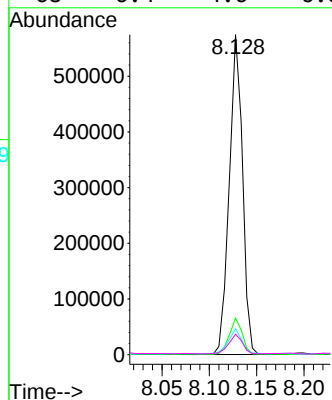


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.128 min Scan# 1027  
Delta R.T. 0.000 min  
Lab File: BF122582.D  
Acq: 7 Dec 2020 20:32

Instrument :  
BNA\_F  
ClientSampleId :  
BES-12SR

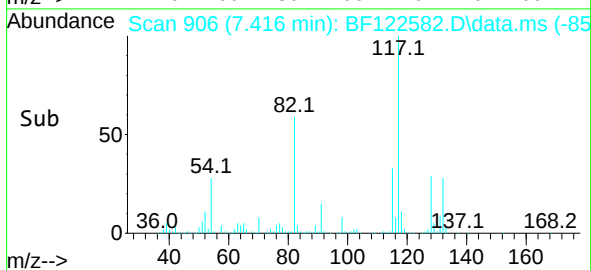
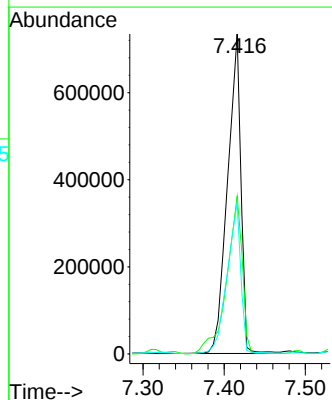
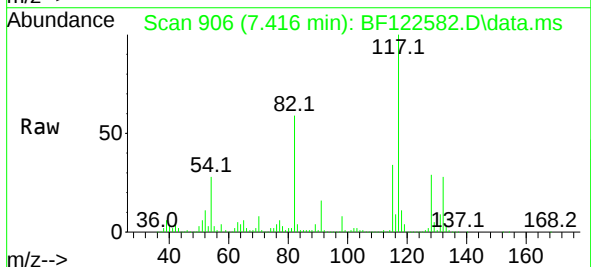


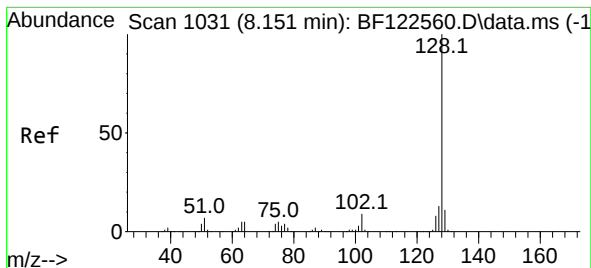
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.5  | 8.8   | 13.2  |
| 54      | 8.1   | 5.5   | 8.3   |
| 68      | 6.4   | 4.6   | 6.8   |



#23  
Nitrobenzene-d5  
Concen: 75.39 ng  
RT: 7.416 min Scan# 906  
Delta R.T. 0.006 min  
Lab File: BF122582.D  
Acq: 7 Dec 2020 20:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 49.3  | 37.0  | 55.4  |
| 54      | 47.1  | 38.4  | 57.6  |

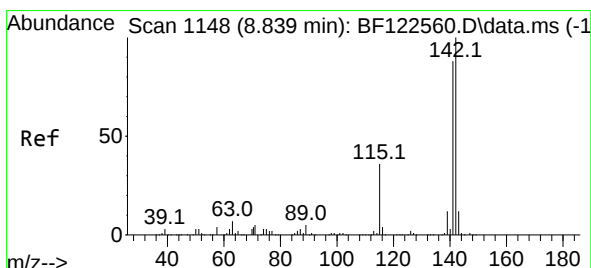
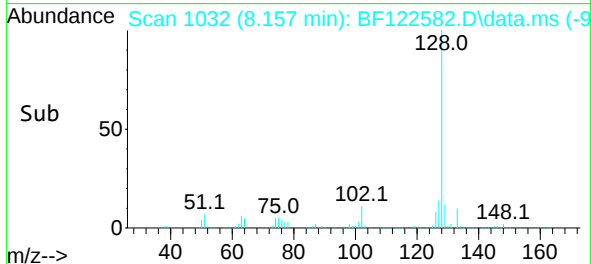
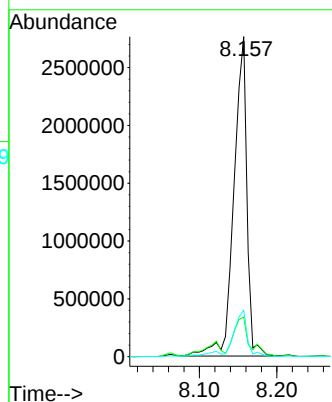
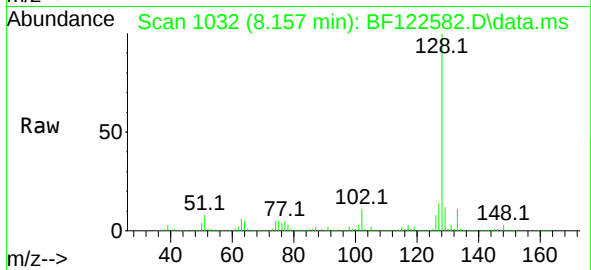




#31  
Naphthalene  
Concen: 104.48 ng  
RT: 8.157 min Scan# 1032  
Delta R.T. 0.006 min  
Lab File: BF122582.D  
Acq: 7 Dec 2020 20:32

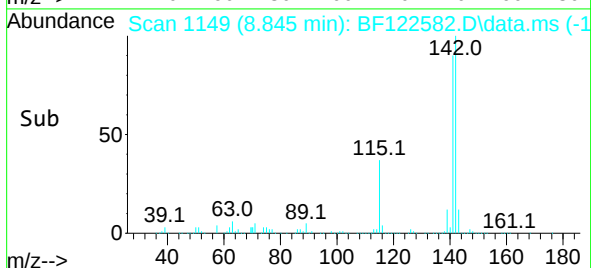
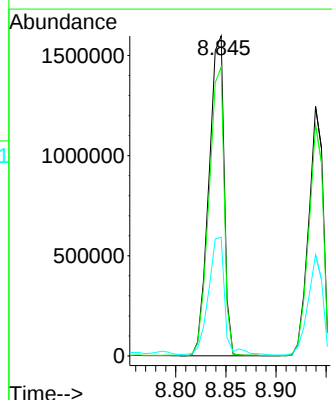
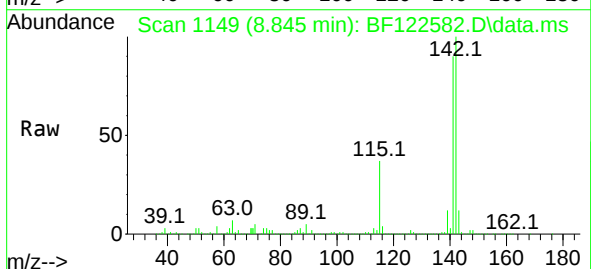
Instrument :  
BNA\_F  
ClientSampleId :  
BES-12SR

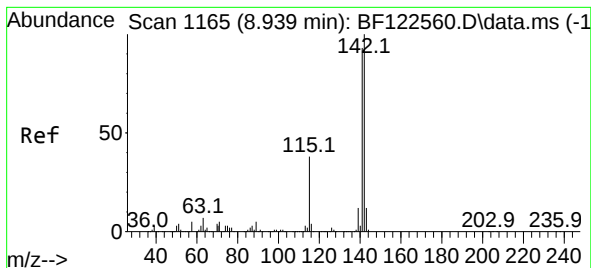
Tgt Ion:128 Resp: 3233207  
Ion Ratio Lower Upper  
128 100  
129 12.3 9.0 13.6  
127 14.5 10.7 16.1



#37  
2-Methylnaphthalene  
Concen: 82.84 ng  
RT: 8.845 min Scan# 1149  
Delta R.T. 0.006 min  
Lab File: BF122582.D  
Acq: 7 Dec 2020 20:32

Tgt Ion:142 Resp: 1695839  
Ion Ratio Lower Upper  
142 100  
141 90.3 70.6 106.0  
115 37.1 28.7 43.1

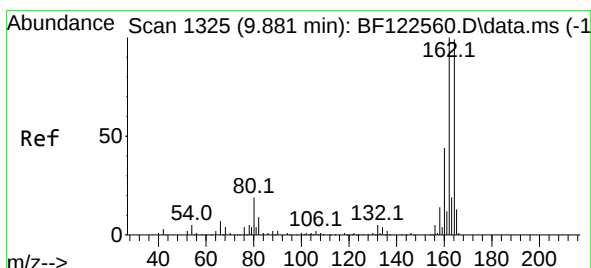
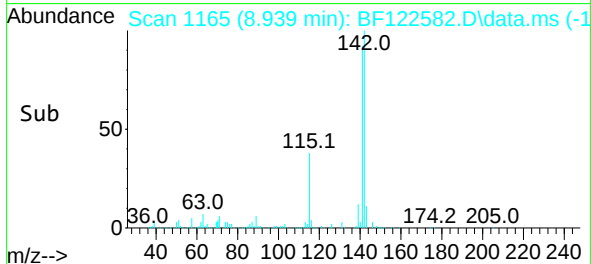
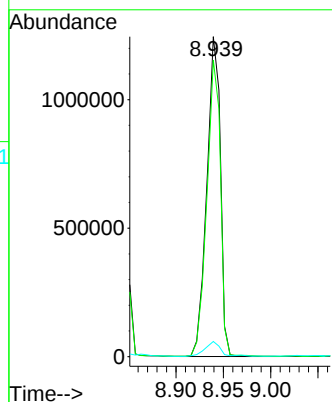
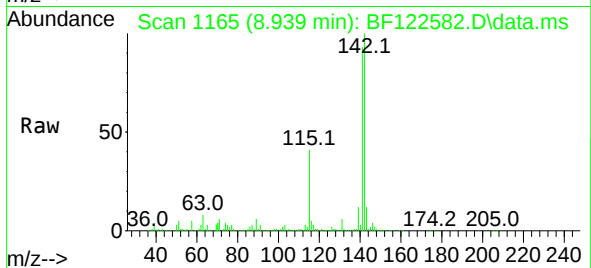




#38  
1-Methylnaphthalene  
Concen: 64.06 ng  
RT: 8.939 min Scan# 1165  
Delta R.T. 0.000 min  
Lab File: BF122582.D  
Acq: 7 Dec 2020 20:32

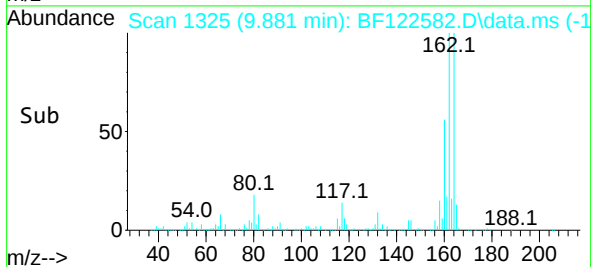
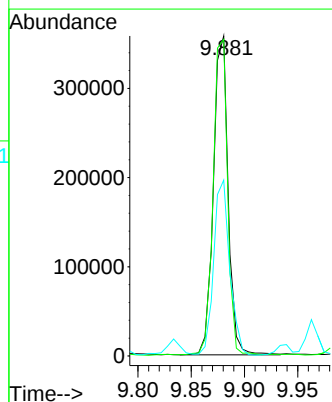
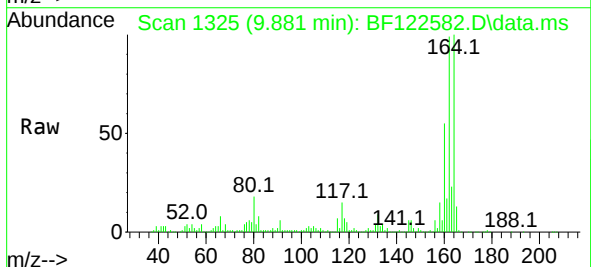
Instrument :  
BNA\_F  
ClientSampleId :  
BES-12SR

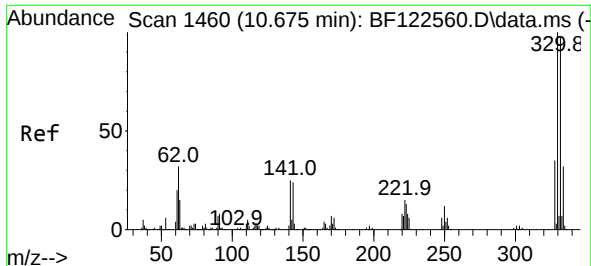
Tgt Ion:142 Resp: 1240572  
Ion Ratio Lower Upper  
142 100  
141 92.7 74.5 111.7  
116 4.8 3.2 4.8



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.881 min Scan# 1325  
Delta R.T. -0.000 min  
Lab File: BF122582.D  
Acq: 7 Dec 2020 20:32

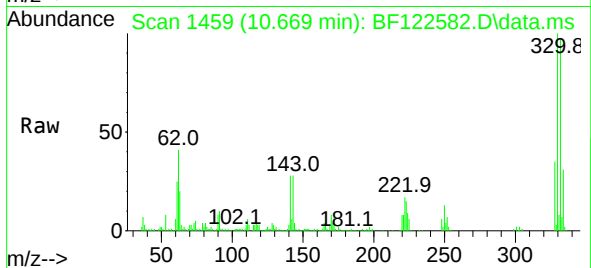
Tgt Ion:164 Resp: 344459  
Ion Ratio Lower Upper  
164 100  
162 99.0 80.8 121.2  
160 54.9 35.4 53.0#



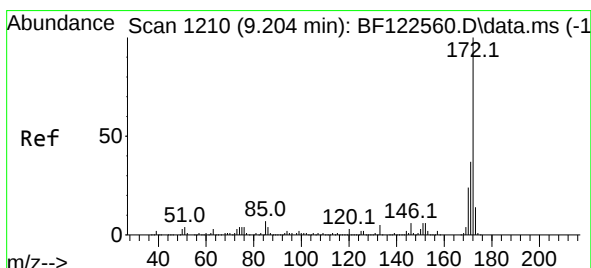
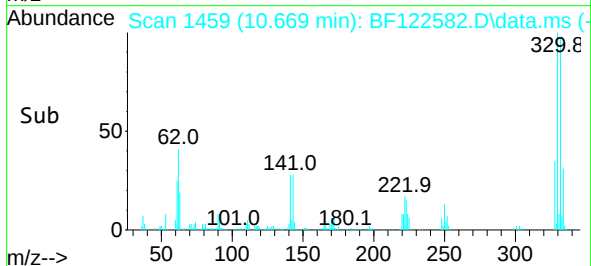
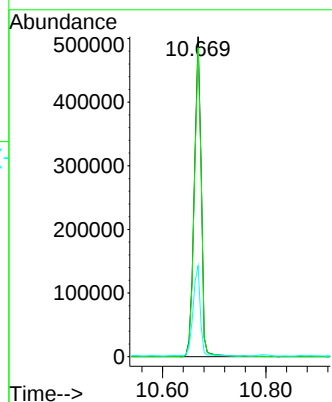


#42  
2,4,6-Tribromophenol  
Concen: 104.18 ng  
RT: 10.669 min Scan# 1459  
Delta R.T. -0.006 min  
Lab File: BF122582.D  
Acq: 7 Dec 2020 20:32

Instrument :  
BNA\_F  
ClientSampleId :  
BES-12SR

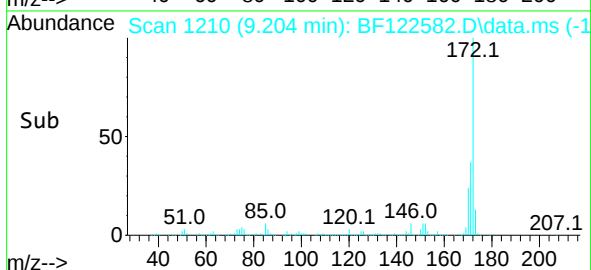
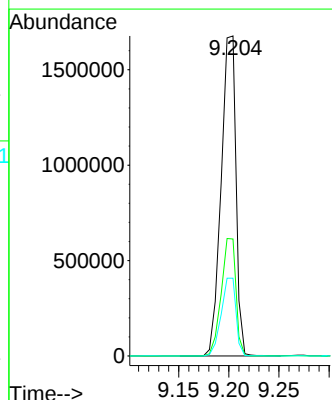
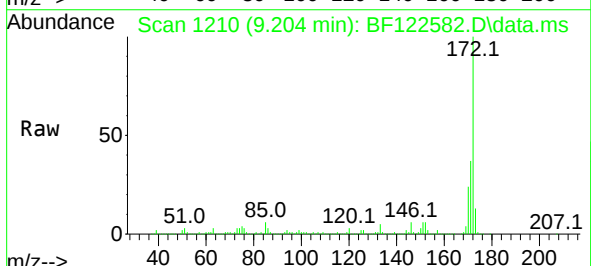


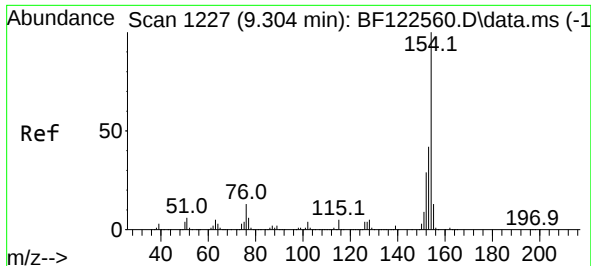
Tgt Ion:330 Resp: 469714  
Ion Ratio Lower Upper  
330 100  
332 97.0 77.5 116.3  
141 29.7 23.8 35.8



#45  
2-Fluorobiphenyl  
Concen: 67.73 ng  
RT: 9.204 min Scan# 1210  
Delta R.T. 0.000 min  
Lab File: BF122582.D  
Acq: 7 Dec 2020 20:32

Tgt Ion:172 Resp: 1724925  
Ion Ratio Lower Upper  
172 100  
171 36.5 29.6 44.4  
170 24.3 19.5 29.3

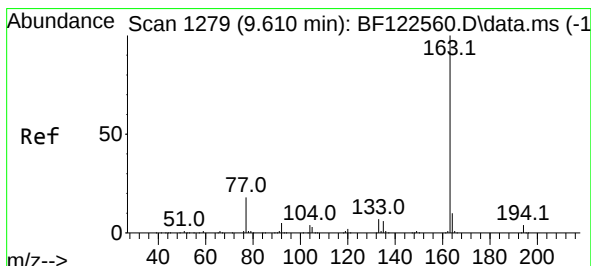
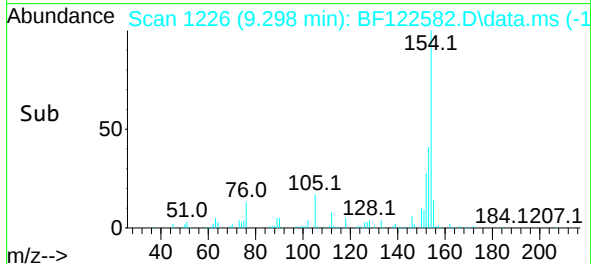
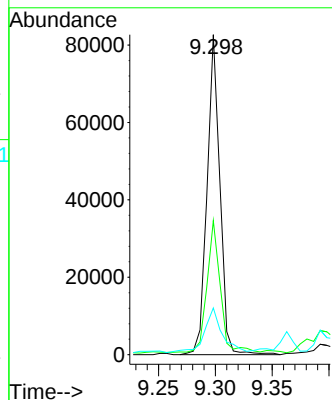
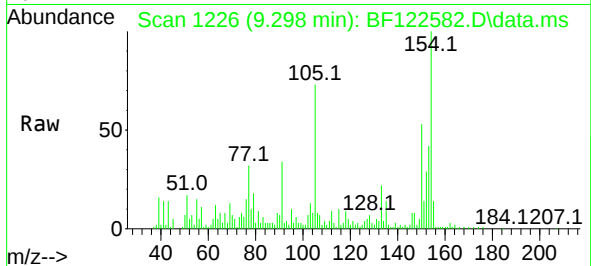




#46  
1,1'-Biphenyl  
Concen: 2.27 ng  
RT: 9.298 min Scan# 1226  
Delta R.T. -0.006 min  
Lab File: BF122582.D  
Acq: 7 Dec 2020 20:32

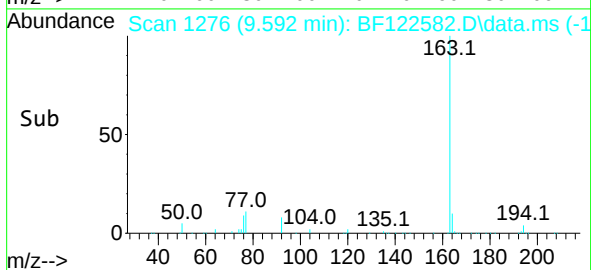
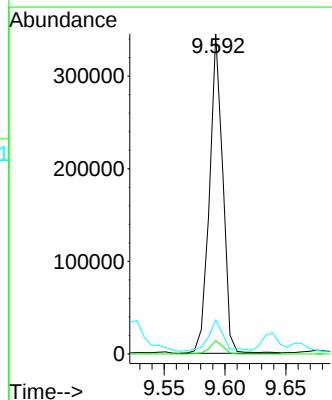
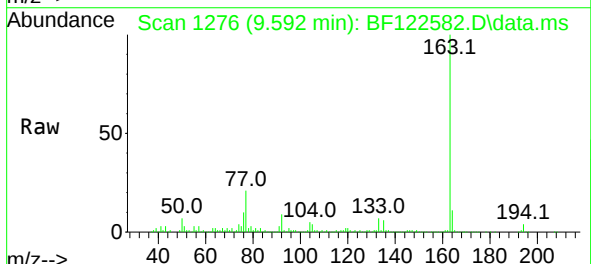
Instrument :  
BNA\_F  
ClientSampleId :  
BES-12SR

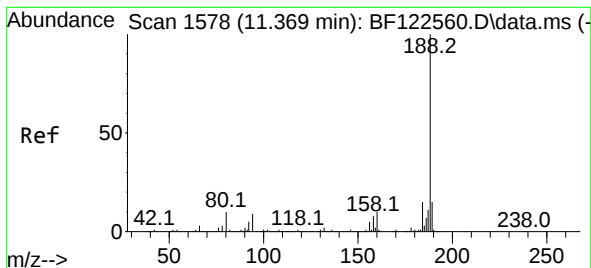
Tgt Ion:154 Resp: 64912  
Ion Ratio Lower Upper  
154 100  
153 41.9 21.8 61.8  
76 14.6 0.0 33.4



#50  
Dimethylphthalate  
Concen: 9.51 ng  
RT: 9.592 min Scan# 1276  
Delta R.T. -0.018 min  
Lab File: BF122582.D  
Acq: 7 Dec 2020 20:32

Tgt Ion:163 Resp: 261655  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.4 5.0  
164 10.6 8.1 12.1

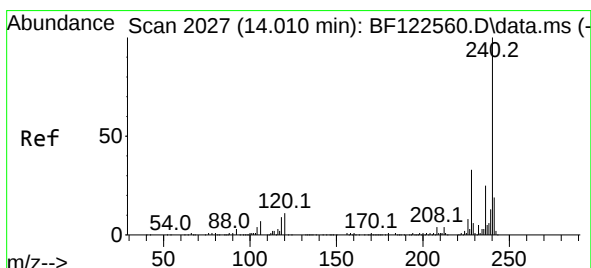
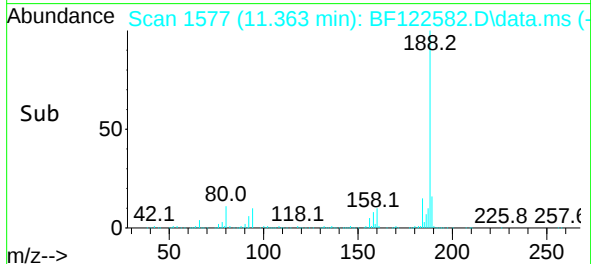
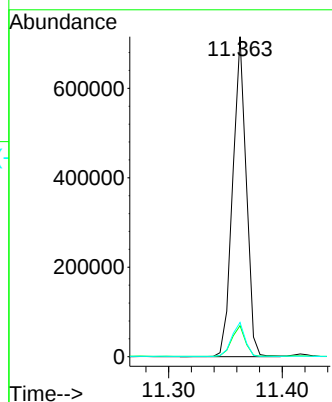
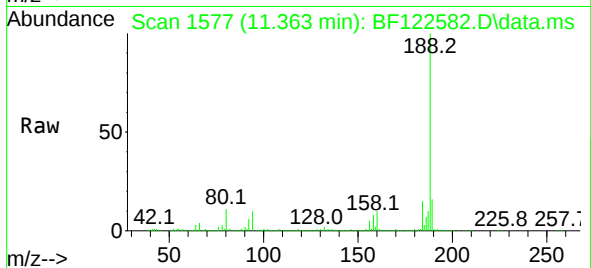




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.363 min Scan# 1577  
Delta R.T. -0.006 min  
Lab File: BF122582.D  
Acq: 7 Dec 2020 20:32

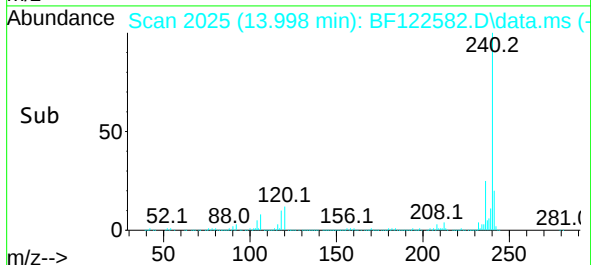
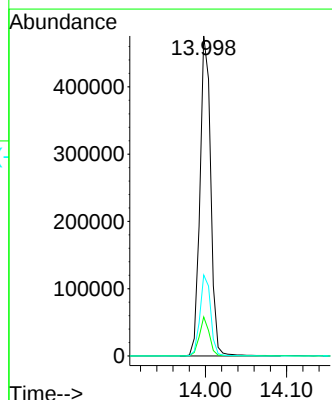
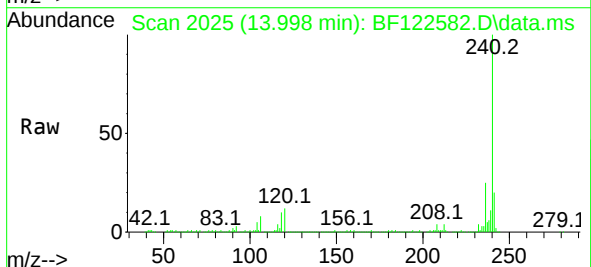
Instrument :  
BNA\_F  
ClientSampleId :  
BES-12SR

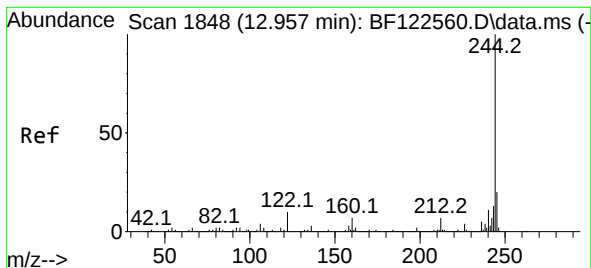
Tgt Ion:188 Resp: 592565  
Ion Ratio Lower Upper  
188 100  
94 9.7 7.4 11.2  
80 10.7 8.2 12.4



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.998 min Scan# 2025  
Delta R.T. -0.012 min  
Lab File: BF122582.D  
Acq: 7 Dec 2020 20:32

Tgt Ion:240 Resp: 438745  
Ion Ratio Lower Upper  
240 100  
120 12.2 8.6 12.8  
236 25.3 20.3 30.5





#79

Terphenyl-d14

Concen: 62.04 ng

RT: 12.951 min Scan# 1847

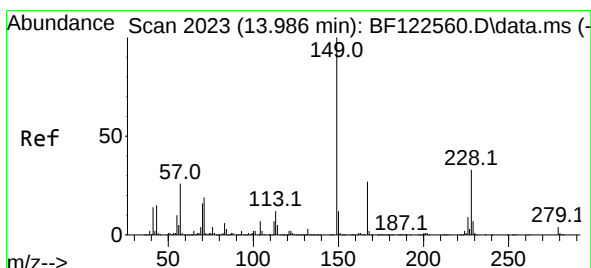
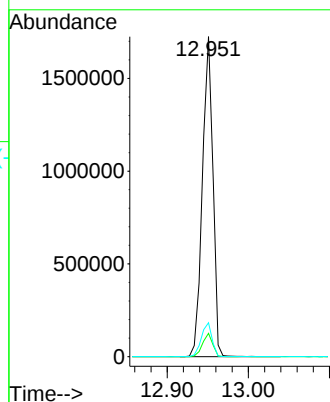
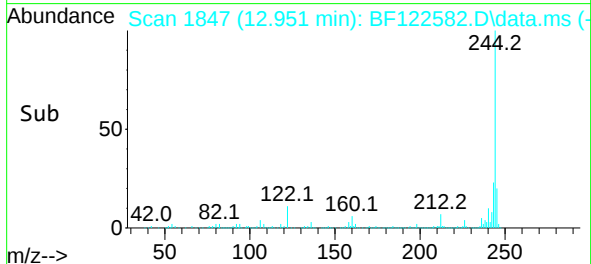
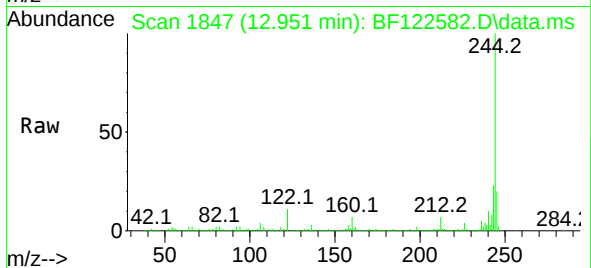
Delta R.T. -0.006 min

Lab File: BF122582.D

Acq: 7 Dec 2020 20:32

Tgt Ion:244 Resp: 1555138

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.3   | 5.7   | 8.5   |
| 122 | 10.6  | 8.3   | 12.5  |



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.26 ng

RT: 13.980 min Scan# 2022

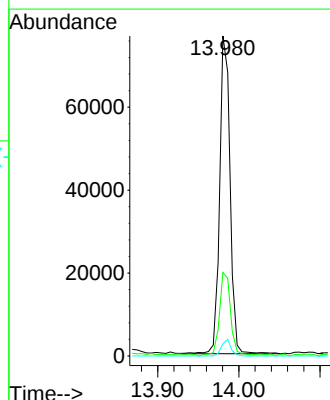
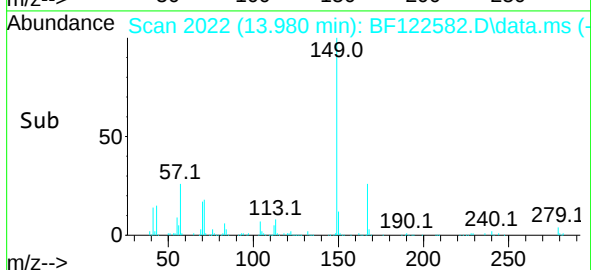
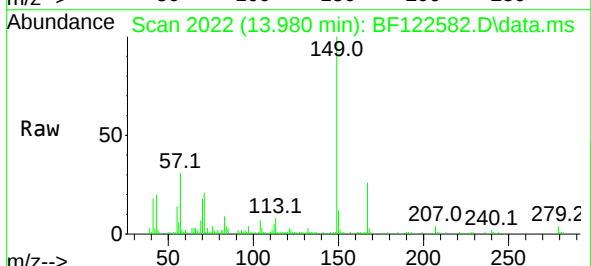
Delta R.T. -0.006 min

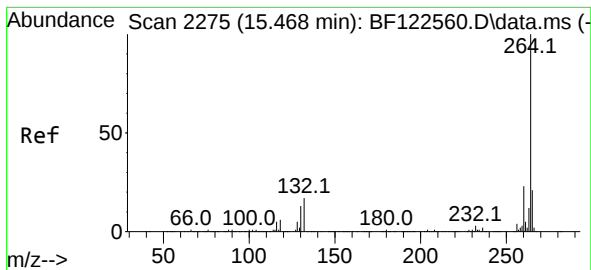
Lab File: BF122582.D

Acq: 7 Dec 2020 20:32

Tgt Ion:149 Resp: 68290

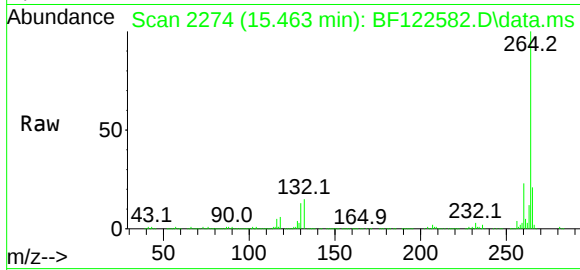
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 26.1  | 21.4  | 32.2  |
| 279 | 3.8   | 3.4   | 5.0   |





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.463 min Scan# 2274  
Delta R.T. -0.006 min  
Lab File: BF122582.D  
Acq: 7 Dec 2020 20:32

Instrument :  
BNA\_F  
ClientSampleId :  
BES-12SR



Tgt Ion:264 Resp: 402411  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.1  | 18.6  | 28.0  |
| 265 | 21.2  | 17.0  | 25.6  |

