

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120720\  
 Data File : BF122572.D  
 Acq On : 7 Dec 2020 14:36  
 Operator : JU/CG  
 Sample : PB133427BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB133427BL

Quant Time: Dec 07 15:20:52 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   | 6.840  | 152  | 207795   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.122  | 136  | 814954   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.875  | 164  | 444236   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.363 | 188  | 838129   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.004 | 240  | 809841   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.468 | 264  | 805419   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.475  | 112  | 1589995  | 121.14 | ng    | 0.02     |
| 7) Phenol-d6                | 6.475  | 99   | 1977083  | 113.58 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.404  | 82   | 1289769  | 79.29  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.669 | 330  | 684196   | 117.66 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.198  | 172  | 2335905  | 71.12  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.957 | 244  | 2733951  | 59.09  | ng    | 0.00     |

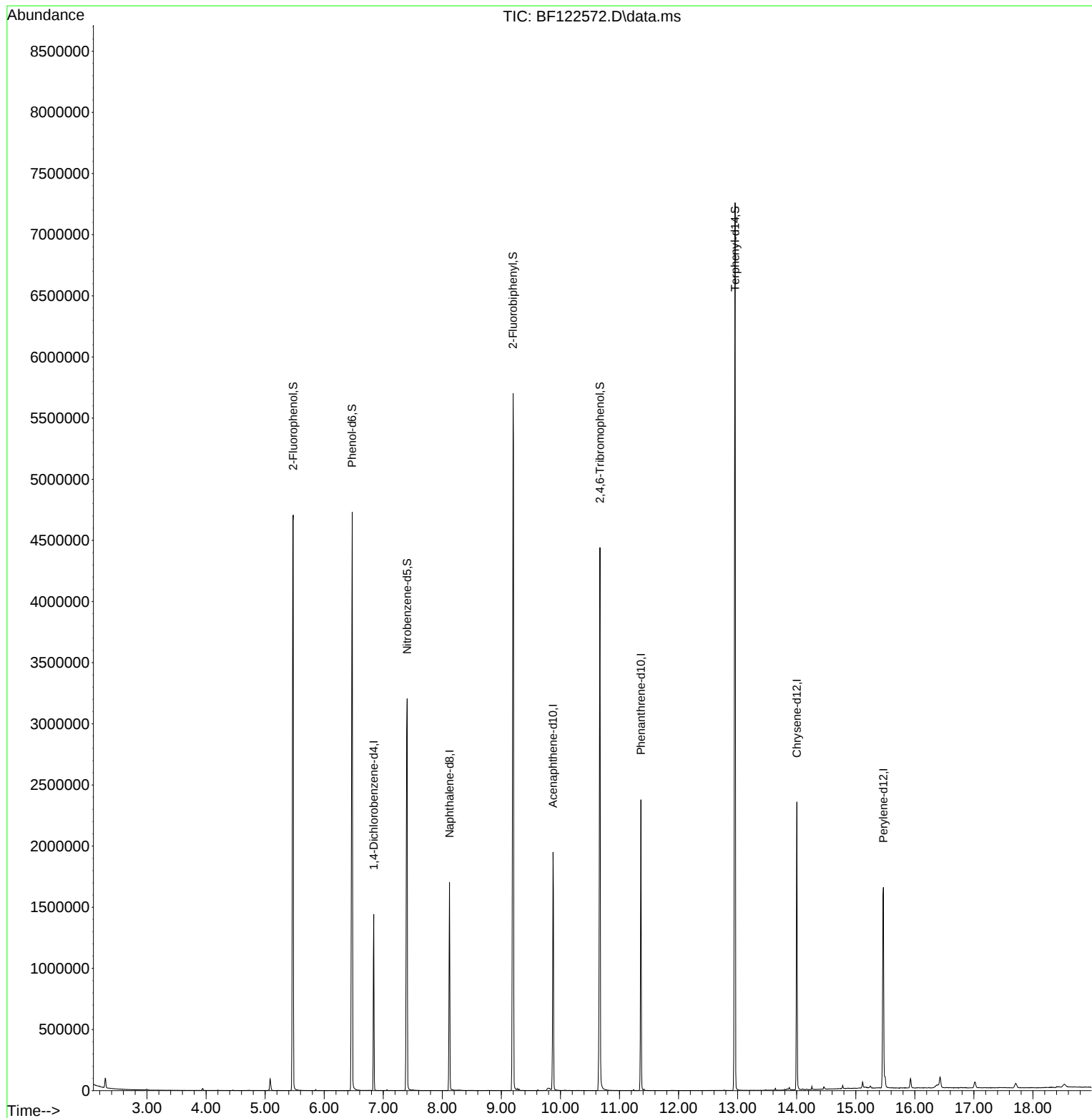
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

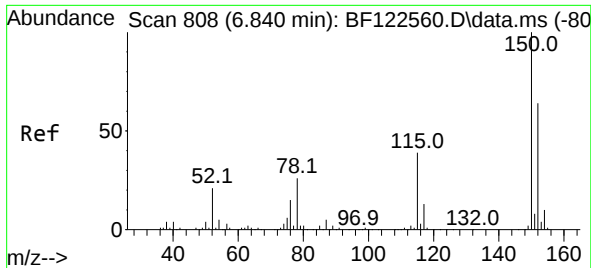
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 07 15:20:52 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

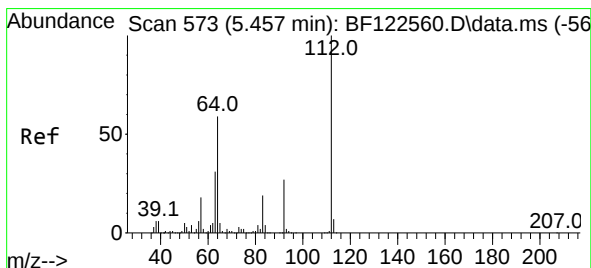
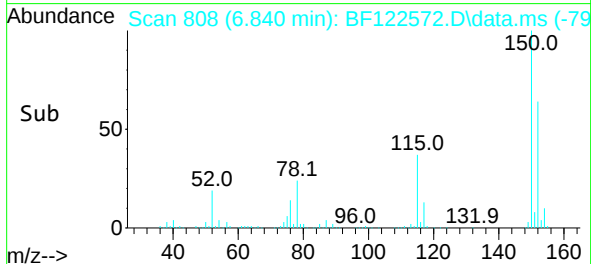
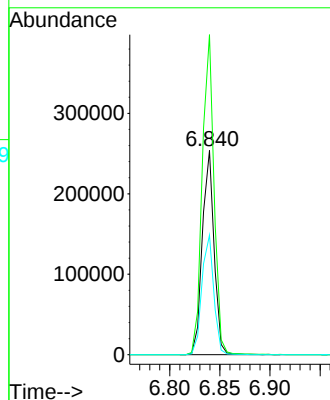
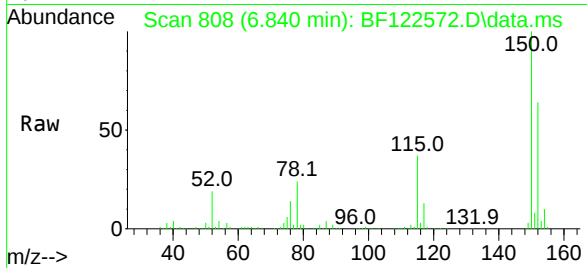




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.840 min Scan# 808  
Delta R.T. -0.000 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

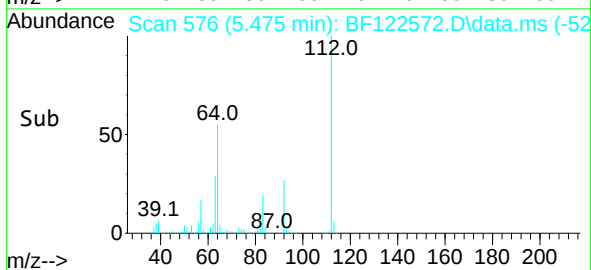
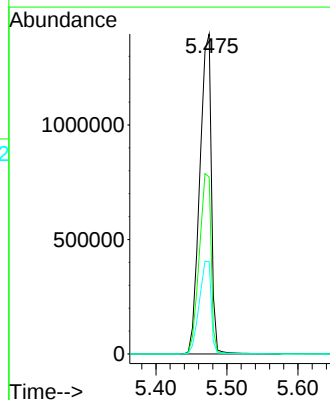
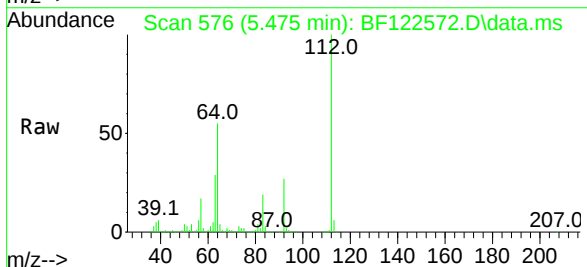
Instrument :  
BNA\_F  
ClientSampleId :  
PB133427BL

Tgt Ion:152 Resp: 207795  
Ion Ratio Lower Upper  
152 100  
150 156.7 125.8 188.6  
115 58.5 49.3 73.9



#5  
2-Fluorophenol  
Concen: 121.14 ng  
RT: 5.475 min Scan# 576  
Delta R.T. 0.018 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

Tgt Ion:112 Resp: 1589995  
Ion Ratio Lower Upper  
112 100  
64 55.3 46.9 70.3  
63 28.9 24.5 36.7



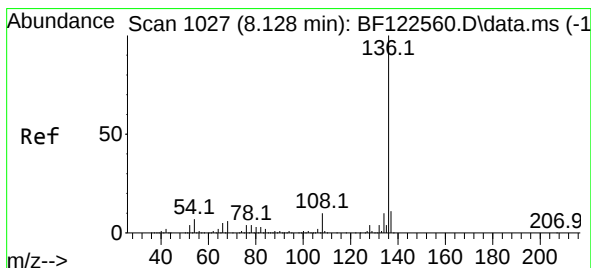
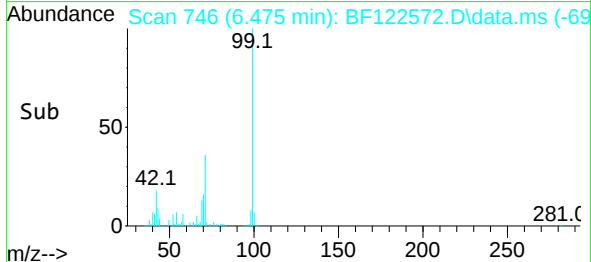
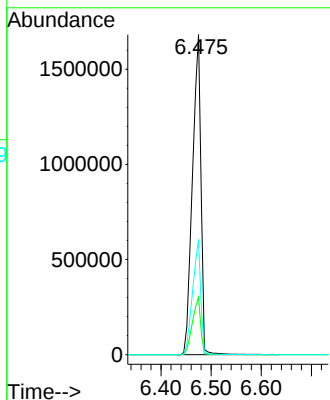
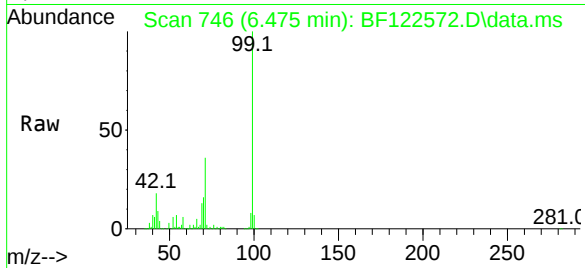


#7  
Phenol-d6  
Concen: 113.58 ng  
RT: 6.475 min Scan# 746  
Delta R.T. -0.006 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

Instrument :  
BNA\_F  
ClientSampleId :  
PB133427BL

Tgt Ion: 99 Resp: 1977083

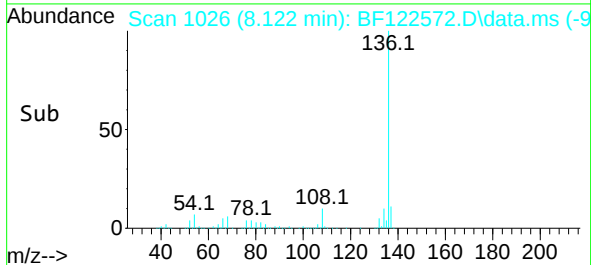
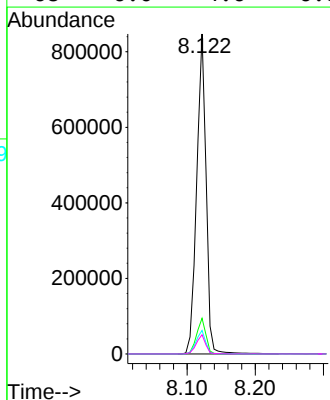
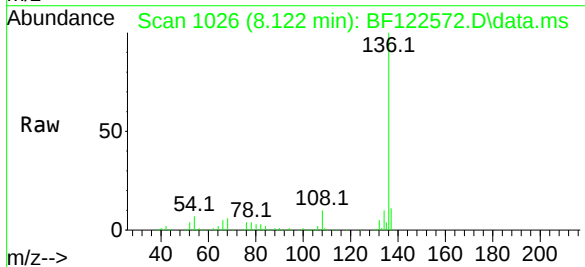
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.0  | 13.8  | 20.6  |
| 71  | 35.9  | 26.9  | 40.3  |

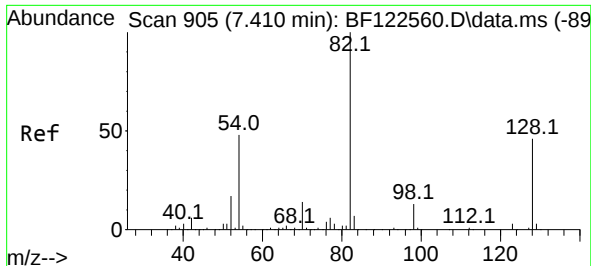


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.122 min Scan# 1026  
Delta R.T. -0.006 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

Tgt Ion: 136 Resp: 814954

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 8.8   | 13.2  |
| 54  | 7.4   | 5.5   | 8.3   |
| 68  | 6.0   | 4.6   | 6.8   |





#23

Nitrobenzene-d5

Concen: 79.29 ng

RT: 7.404 min Scan# 904

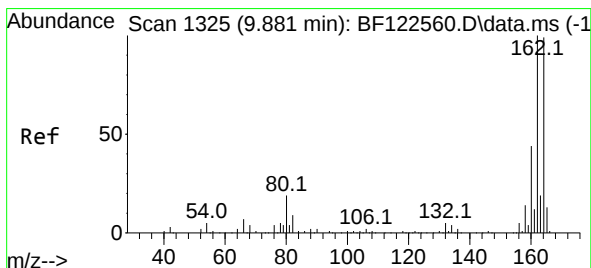
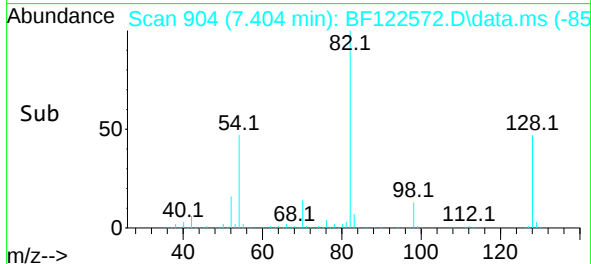
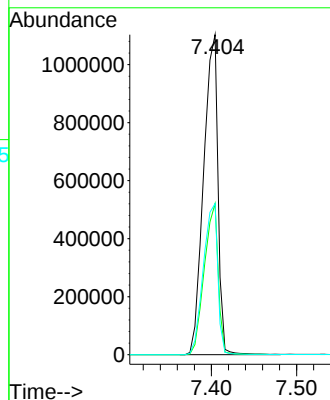
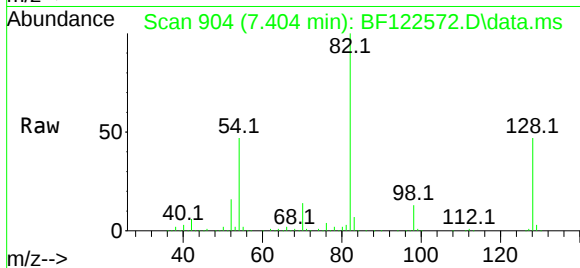
Delta R.T. -0.006 min

Lab File: BF122572.D

Acq: 7 Dec 2020 14:36

Tgt Ion: 82 Resp: 1289769

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 47.2  | 37.0  | 55.4  |
| 54  | 47.2  | 38.4  | 57.6  |



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.875 min Scan# 1324

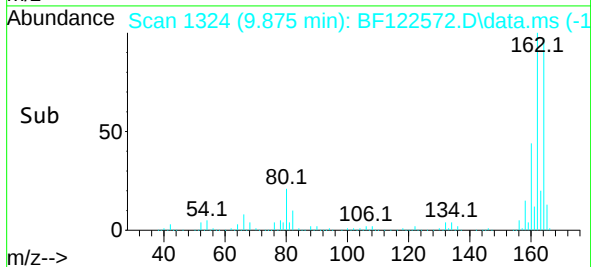
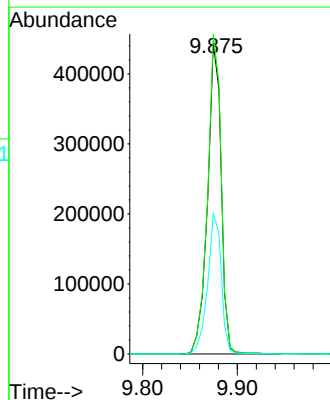
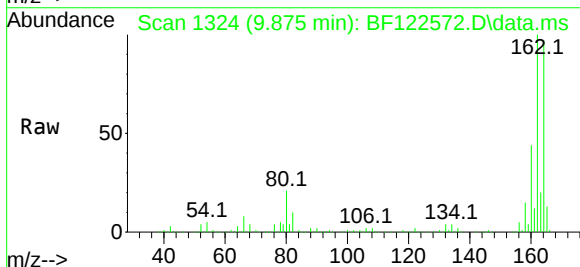
Delta R.T. -0.006 min

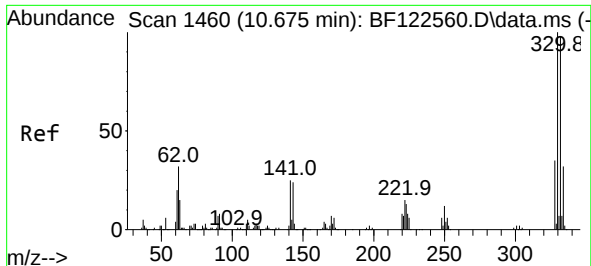
Lab File: BF122572.D

Acq: 7 Dec 2020 14:36

Tgt Ion: 164 Resp: 444236

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 103.1 | 80.8  | 121.2 |
| 160 | 45.3  | 35.4  | 53.0  |

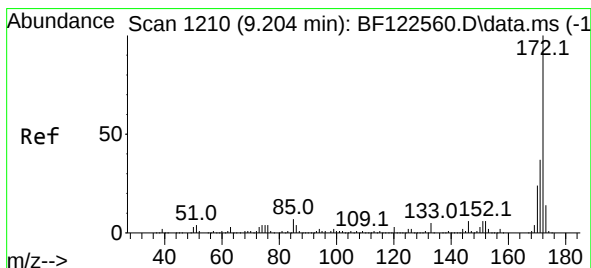
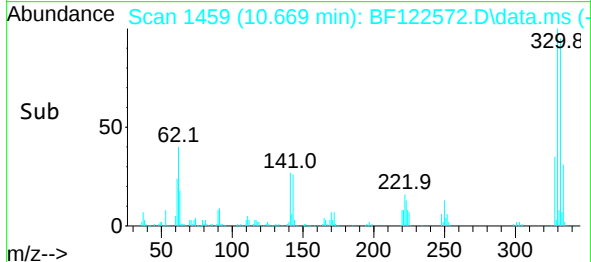
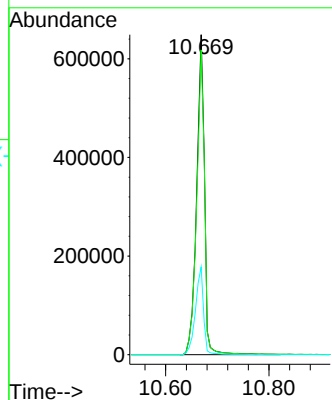
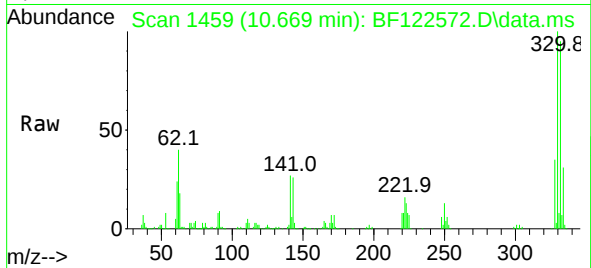




#42  
2,4,6-Tribromophenol  
Concen: 117.66 ng  
RT: 10.669 min Scan# 1459  
Delta R.T. -0.006 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

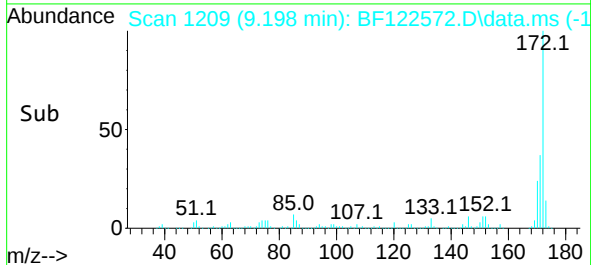
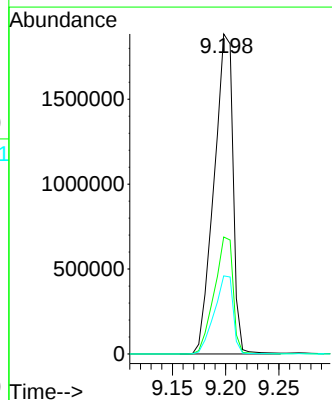
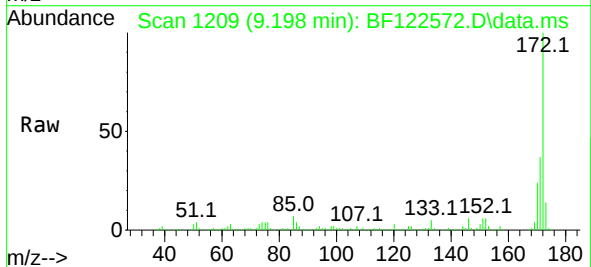
Instrument :  
BNA\_F  
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PB133427BL

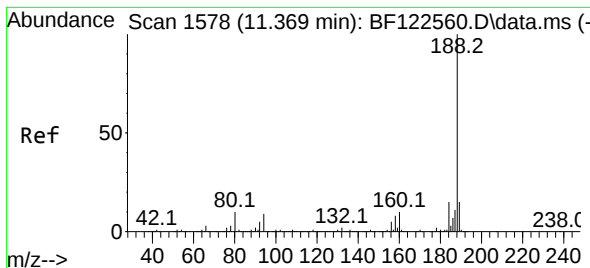
Tgt Ion:330 Resp: 684196  
Ion Ratio Lower Upper  
330 100  
332 96.1 77.5 116.3  
141 28.4 23.8 35.8



#45  
2-Fluorobiphenyl  
Concen: 71.12 ng  
RT: 9.198 min Scan# 1209  
Delta R.T. -0.006 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

Tgt Ion:172 Resp: 2335905  
Ion Ratio Lower Upper  
172 100  
171 36.6 29.6 44.4  
170 24.4 19.5 29.3

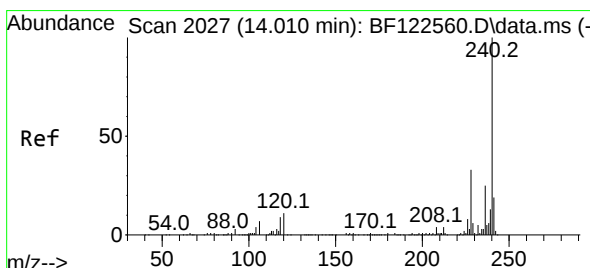
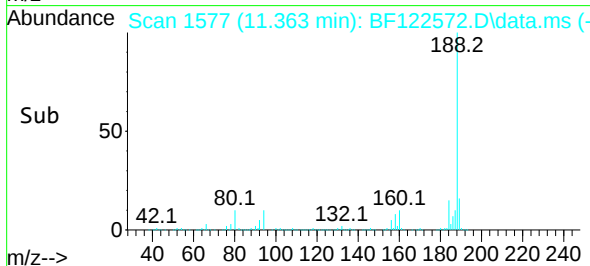
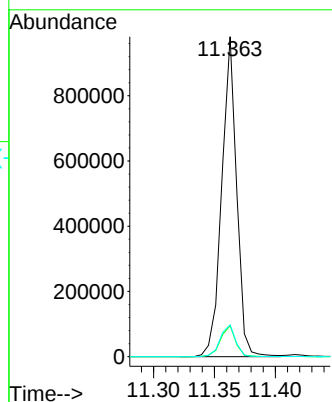
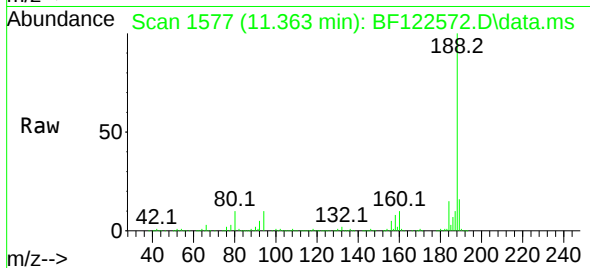




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.363 min Scan# 1577  
Delta R.T. -0.006 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

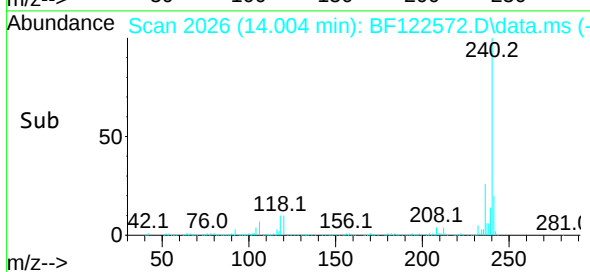
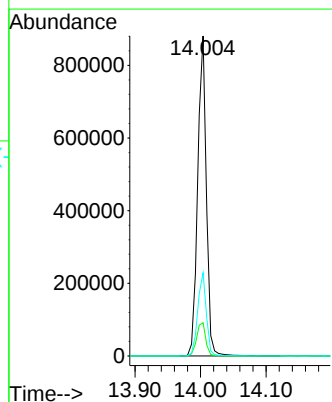
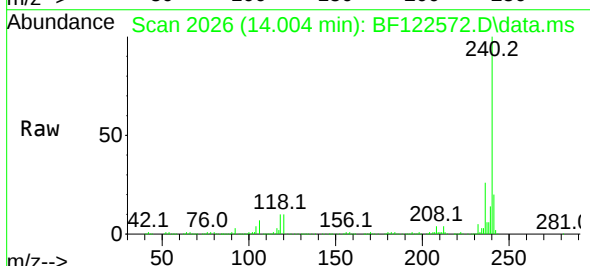
Instrument :  
BNA\_F  
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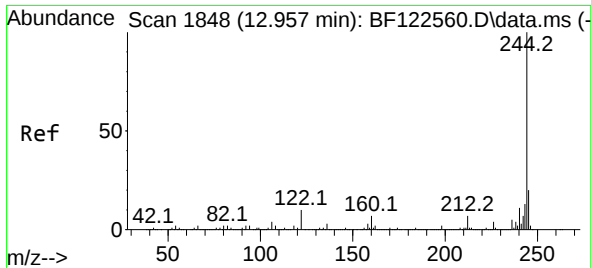
Tgt Ion:188 Resp: 838129  
Ion Ratio Lower Upper  
188 100  
94 9.7 7.4 11.2  
80 9.9 8.2 12.4



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.004 min Scan# 2026  
Delta R.T. -0.006 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

Tgt Ion:240 Resp: 809841  
Ion Ratio Lower Upper  
240 100  
120 10.4 8.6 12.8  
236 26.0 20.3 30.5

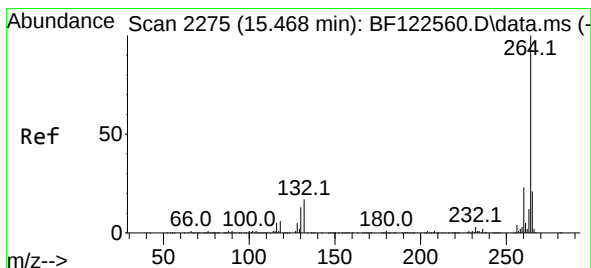
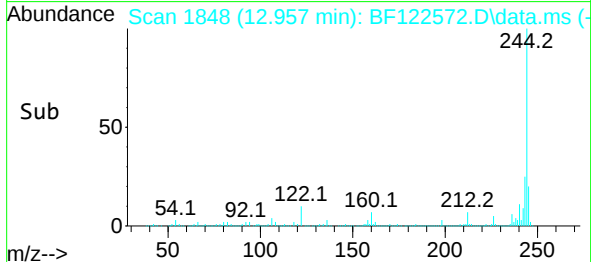
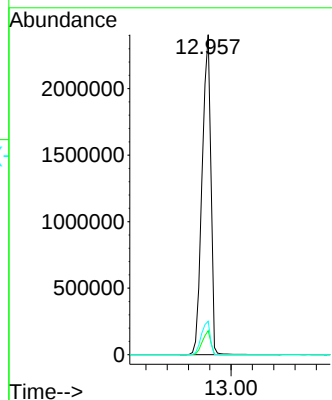
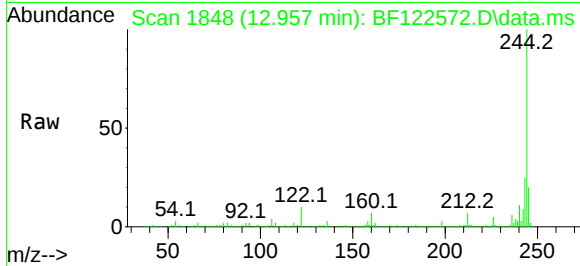




#79  
 Terphenyl-d14  
 Concen: 59.09 ng  
 RT: 12.957 min Scan# 1848  
 Delta R.T. -0.000 min  
 Lab File: BF122572.D  
 Acq: 7 Dec 2020 14:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB133427BL

Tgt Ion:244 Resp: 2733951  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 5.7 8.5  
 122 10.5 8.3 12.5



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.468 min Scan# 2275  
 Delta R.T. -0.000 min  
 Lab File: BF122572.D  
 Acq: 7 Dec 2020 14:36

Tgt Ion:264 Resp: 805419  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 18.6 28.0  
 265 22.0 17.0 25.6

