

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122121\  
 Data File : BF126309.D  
 Acq On : 21 Dec 2021 21:49  
 Operator : JU/CG  
 Sample : M5179-02  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 POST-EXCAVATION-BOTTOM-EAST

Quant Time: Dec 22 05:22:59 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF121521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 16 12:22:48 2021  
 Response via : Initial Calibration

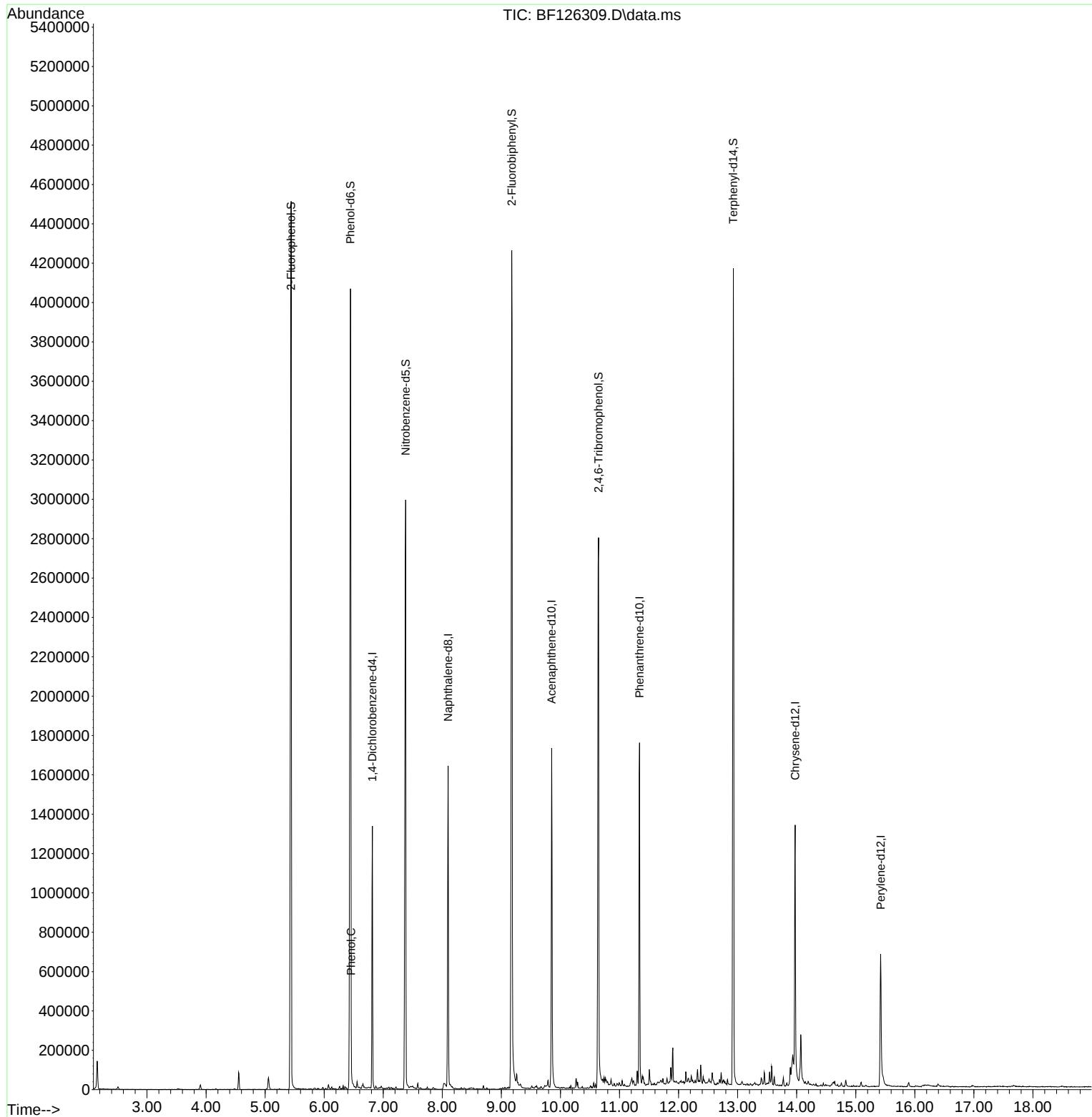
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min)     |
|-----------------------------|--------|------|----------|---------|-------|--------------|
| -----                       |        |      |          |         |       |              |
| Internal Standards          |        |      |          |         |       |              |
| 1) 1,4-Dichlorobenzene-d4   | 6.816  | 152  | 181446   | 20.000  | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.098  | 136  | 808122   | 20.000  | ng    | # 0.00       |
| 39) Acenaphthene-d10        | 9.851  | 164  | 396659   | 20.000  | ng    | 0.00         |
| 64) Phenanthrene-d10        | 11.339 | 188  | 658606   | 20.000  | ng    | # 0.00       |
| 76) Chrysene-d12            | 13.974 | 240  | 469296   | 20.000  | ng    | 0.00         |
| 86) Perylene-d12            | 15.421 | 264  | 352537   | 20.000  | ng    | 0.01         |
| System Monitoring Compounds |        |      |          |         |       |              |
| 5) 2-Fluorophenol           | 5.440  | 112  | 1445416  | 117.313 | ng    | 0.02         |
| 7) Phenol-d6                | 6.445  | 99   | 1894613  | 121.103 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.381  | 82   | 1257371  | 84.267  | ng    | 0.00         |
| 42) 2,4,6-Tribromophenol    | 10.645 | 330  | 419185   | 131.499 | ng    | 0.00         |
| 45) 2-Fluorobiphenyl        | 9.175  | 172  | 1753292  | 77.524  | ng    | 0.00         |
| 79) Terphenyl-d14           | 12.927 | 244  | 1583597  | 58.651  | ng    | 0.00         |
| Target Compounds            |        |      |          |         |       |              |
| 10) Phenol                  | 6.457  | 94   | 46042    | 2.622   | ng    | Qvalue<br>88 |
| -----                       |        |      |          |         |       |              |

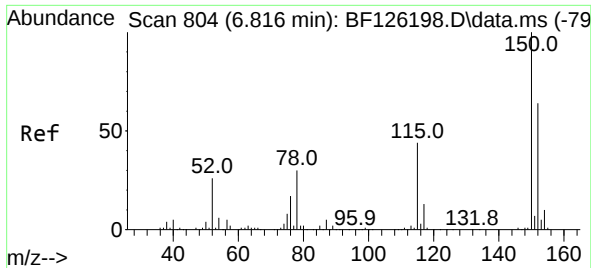
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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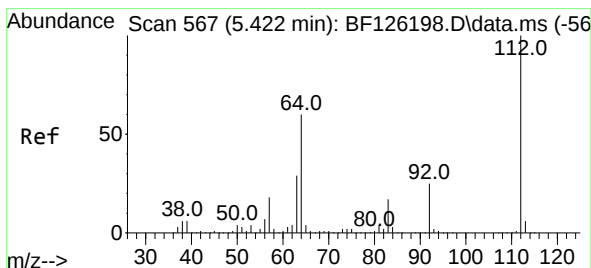
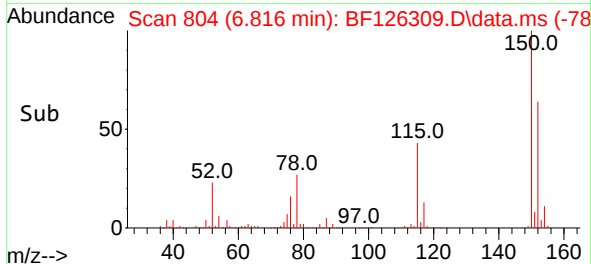
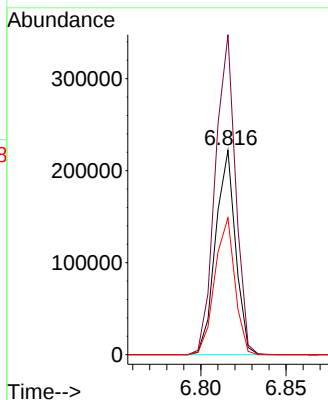
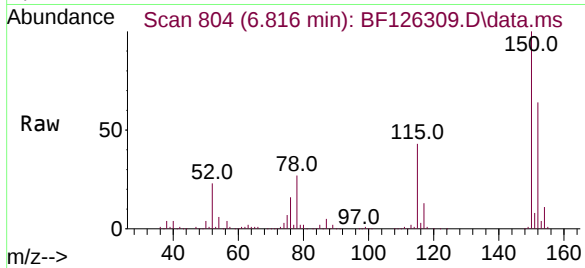




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.816 min Scan# 804  
Delta R.T. -0.000 min  
Lab File: BF126309.D  
Acq: 21 Dec 2021 21:49

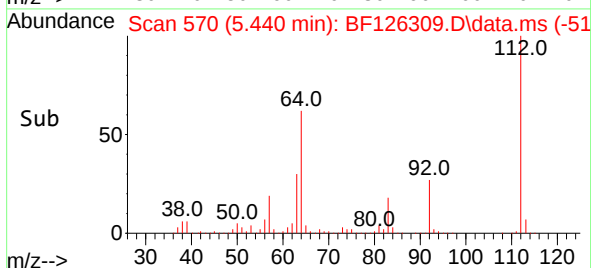
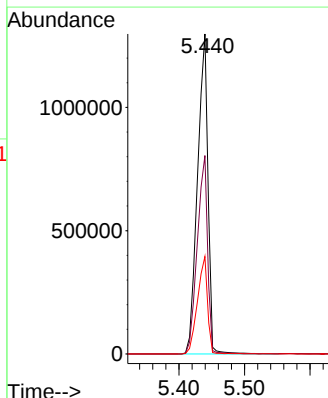
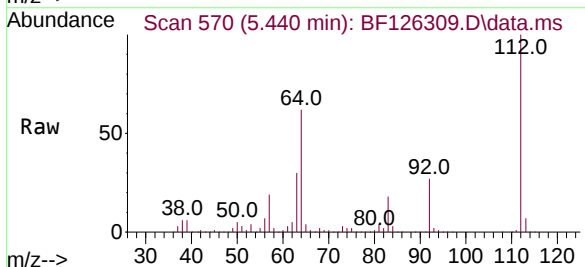
Instrument :  
BNA\_F  
ClientSampleId :  
POST-EXCAVATION-BOTTOM-EAST

Tgt Ion:152 Resp: 181446  
Ion Ratio Lower Upper  
152 100  
150 156.6 117.6 176.4  
115 67.0 47.1 70.7



#5  
2-Fluorophenol  
Concen: 117.313 ng  
RT: 5.440 min Scan# 570  
Delta R.T. 0.018 min  
Lab File: BF126309.D  
Acq: 21 Dec 2021 21:49

Tgt Ion:112 Resp: 1445416  
Ion Ratio Lower Upper  
112 100  
64 62.0 44.2 66.2  
63 30.4 26.2 39.2

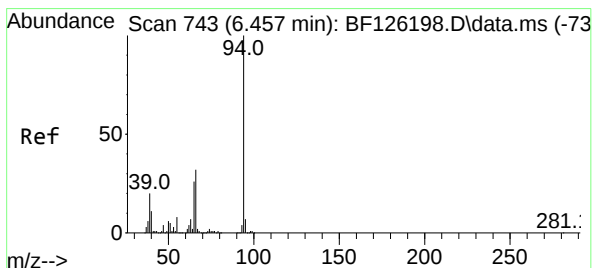
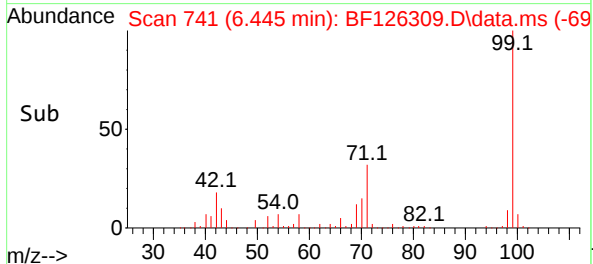
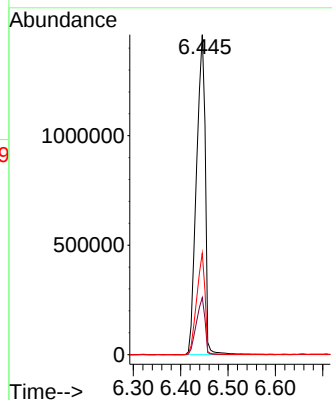
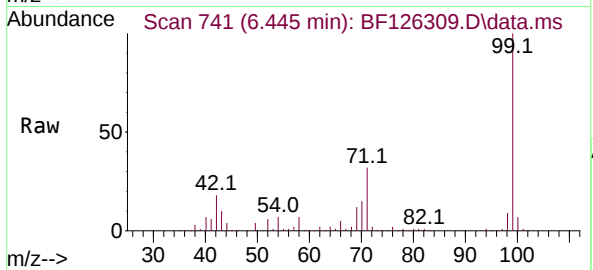




#7  
Phenol-d6  
Concen: 121.103 ng  
RT: 6.445 min Scan# 741  
Delta R.T. 0.000 min  
Lab File: BF126309.D  
Acq: 21 Dec 2021 21:49

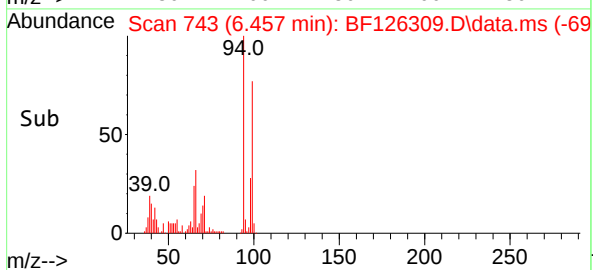
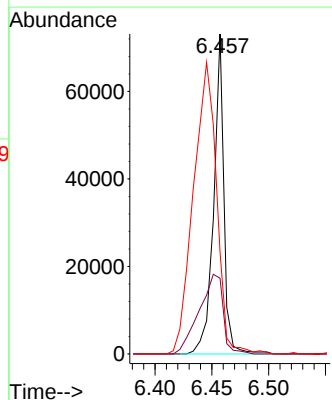
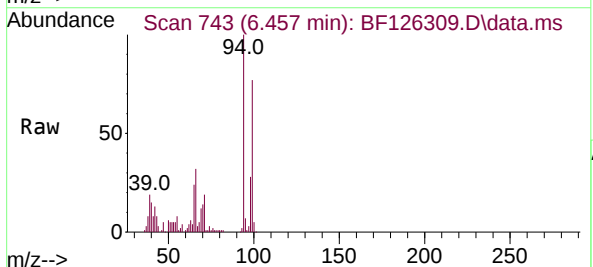
Instrument :  
BNA\_F  
ClientSampleId :  
POST-EXCAVATION-BOTTOM-EAST

Tgt Ion: 99 Resp: 1894613  
Ion Ratio Lower Upper  
99 100  
42 17.9 23.5 35.3#  
71 31.8 25.6 38.4



#10  
Phenol  
Concen: 2.622 ng  
RT: 6.457 min Scan# 743  
Delta R.T. 0.000 min  
Lab File: BF126309.D  
Acq: 21 Dec 2021 21:49

Tgt Ion: 94 Resp: 46042  
Ion Ratio Lower Upper  
94 100  
65 23.7 9.3 49.3  
66 31.9 20.3 60.3

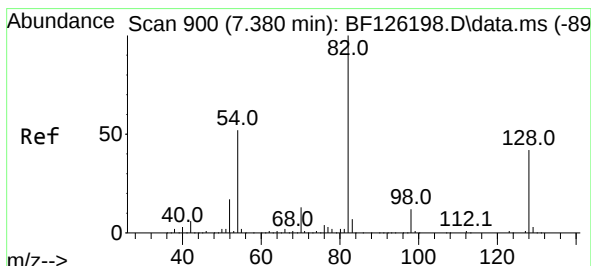
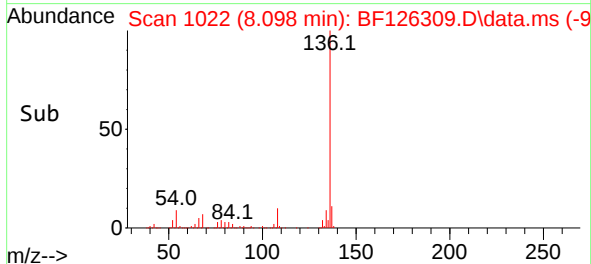
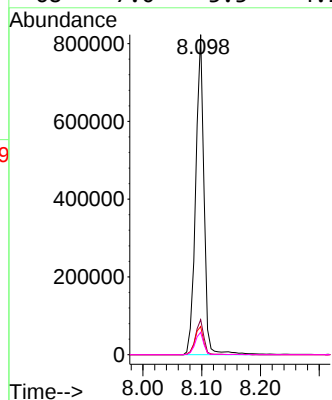
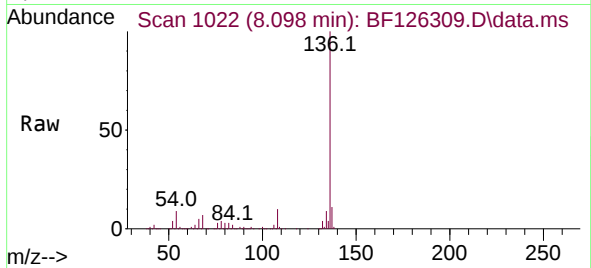




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.098 min Scan# 1022  
Delta R.T. 0.000 min  
Lab File: BF126309.D  
Acq: 21 Dec 2021 21:49

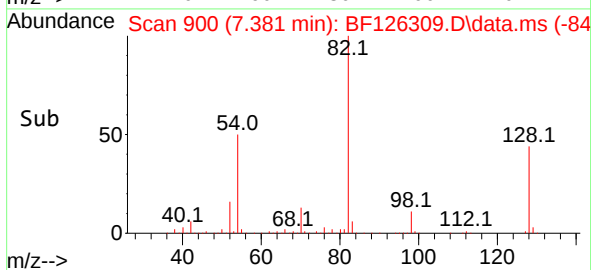
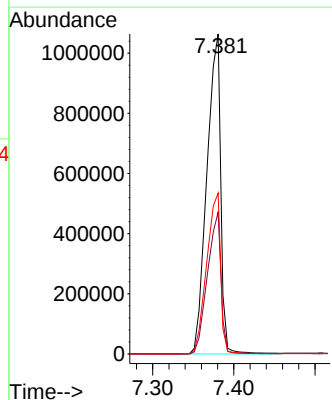
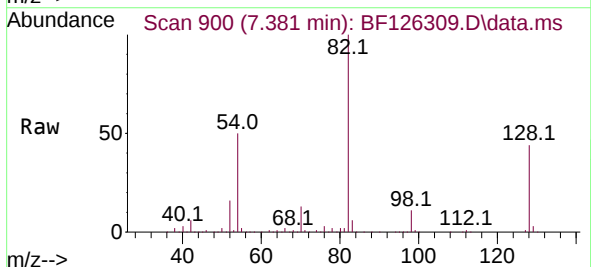
Instrument :  
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ClientSampleId :  
POST-EXCAVATION-BOTTOM-EAST

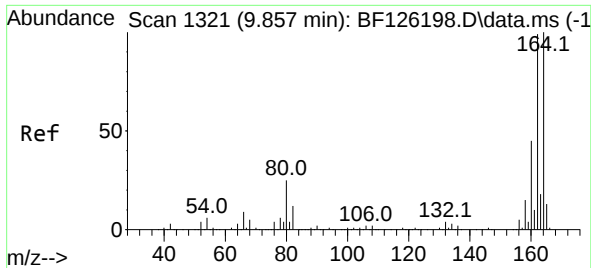
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 808122 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.0  | 9.8   | 14.6   |
| 54        | 8.8   | 6.4   | 9.6    |
| 68        | 7.0   | 3.3   | 4.9    |



#23  
Nitrobenzene-d5  
Concen: 84.267 ng  
RT: 7.381 min Scan# 900  
Delta R.T. 0.000 min  
Lab File: BF126309.D  
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|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 82    | Resp: | 1257371 |
| Ion Ratio | Lower | Upper |         |
| 82        | 100   |       |         |
| 128       | 44.3  | 40.6  | 60.8    |
| 54        | 50.3  | 49.6  | 74.4    |

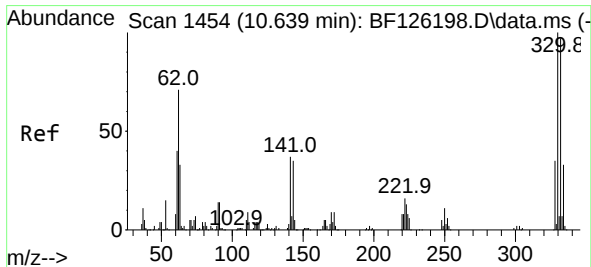
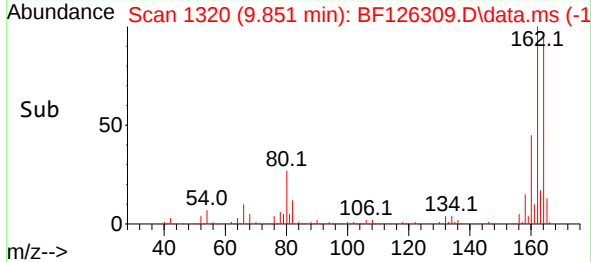
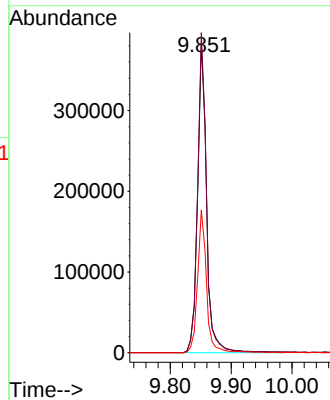
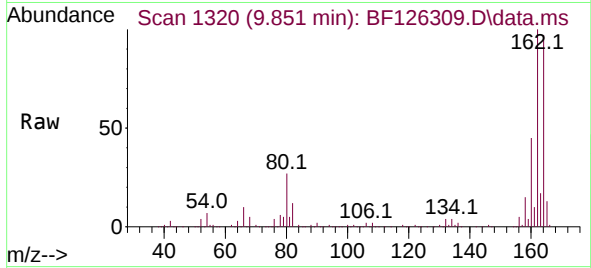




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.851 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF126309.D  
Acq: 21 Dec 2021 21:49

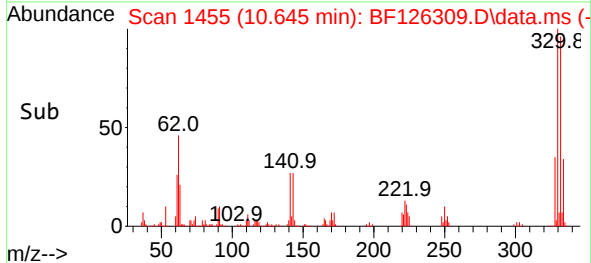
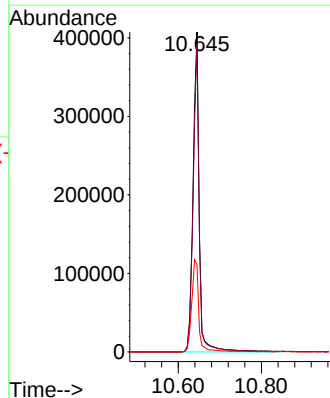
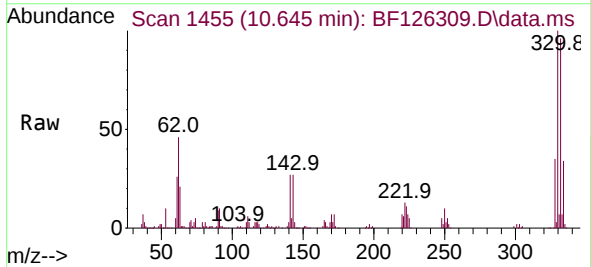
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POST-EXCAVATION-BOTTOM-EAST

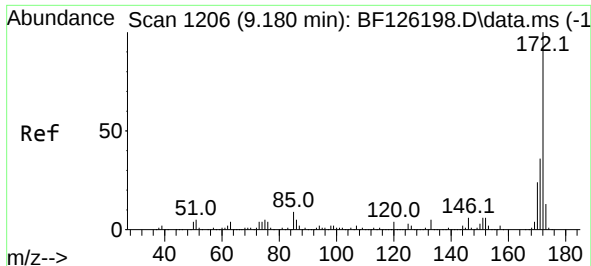
Tgt Ion:164 Resp: 396659  
Ion Ratio Lower Upper  
164 100  
162 103.4 81.3 121.9  
160 46.1 38.0 57.0



#42  
2,4,6-Tribromophenol  
Concen: 131.499 ng  
RT: 10.645 min Scan# 1455  
Delta R.T. 0.006 min  
Lab File: BF126309.D  
Acq: 21 Dec 2021 21:49

Tgt Ion:330 Resp: 419185  
Ion Ratio Lower Upper  
330 100  
332 94.6 76.2 114.4  
141 33.1 44.6 66.8#

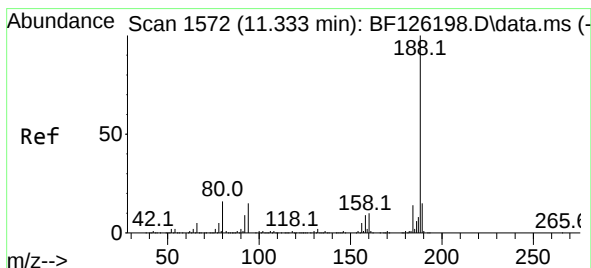
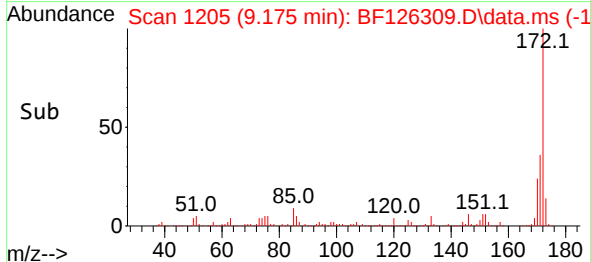
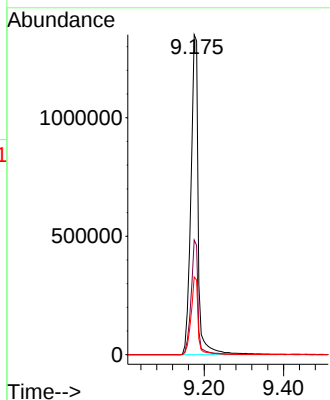
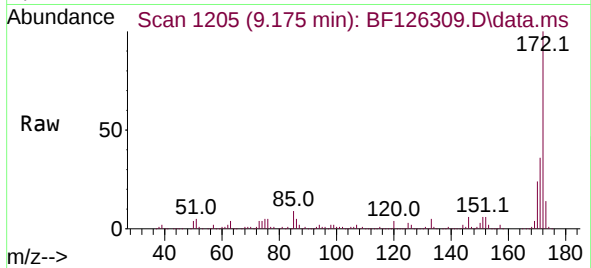




#45  
2-Fluorobiphenyl  
Concen: 77.524 ng  
RT: 9.175 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF126309.D  
Acq: 21 Dec 2021 21:49

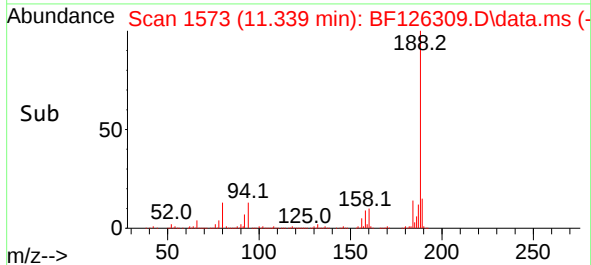
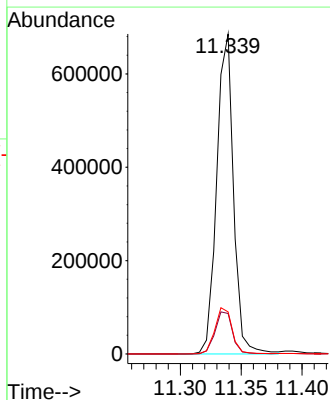
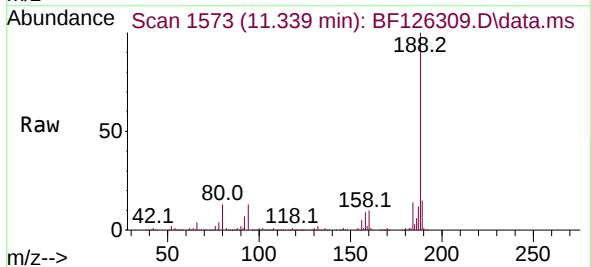
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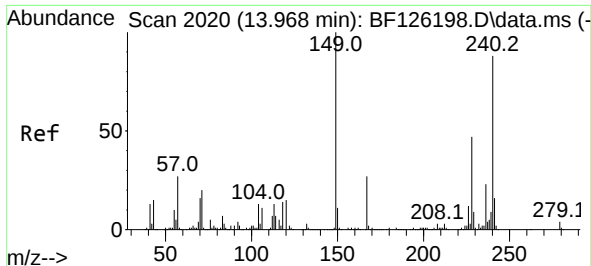
Tgt Ion:172 Resp: 1753292  
Ion Ratio Lower Upper  
172 100  
171 35.9 26.5 39.7  
170 24.3 18.8 28.2



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.339 min Scan# 1573  
Delta R.T. 0.006 min  
Lab File: BF126309.D  
Acq: 21 Dec 2021 21:49

Tgt Ion:188 Resp: 658606  
Ion Ratio Lower Upper  
188 100  
94 12.6 6.7 10.1#  
80 13.2 7.5 11.3#

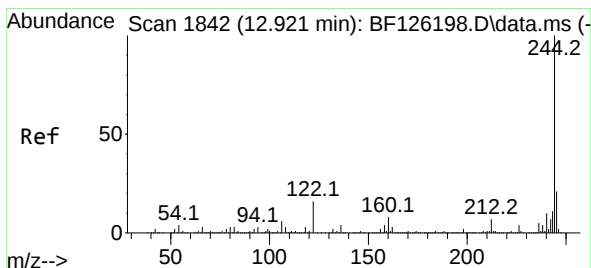
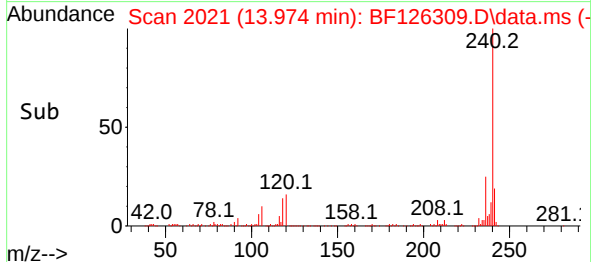
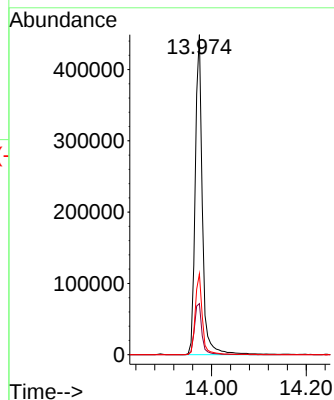
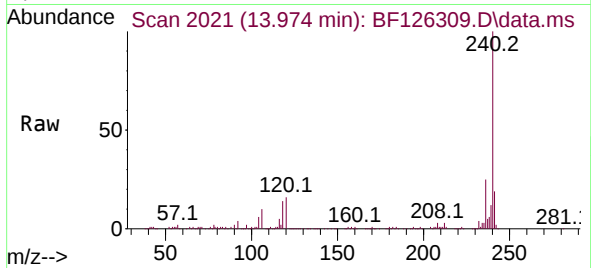




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.974 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: BF126309.D  
Acq: 21 Dec 2021 21:49

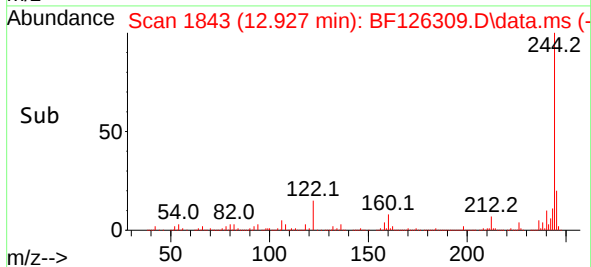
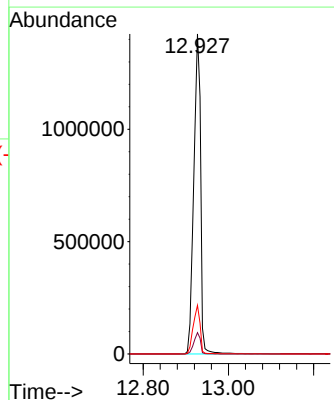
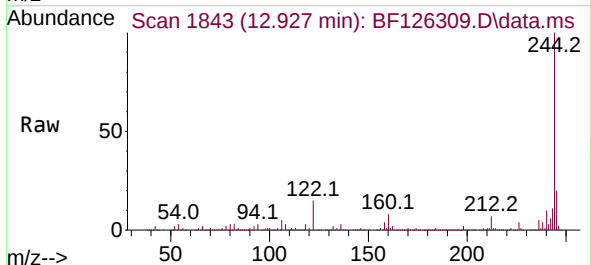
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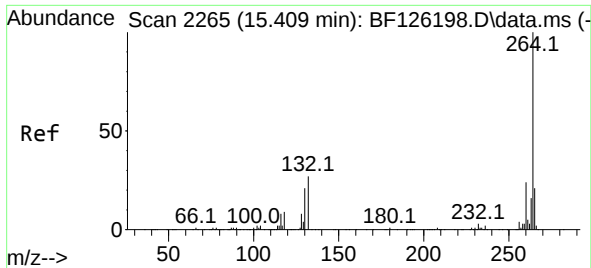
Tgt Ion:240 Resp: 469296  
Ion Ratio Lower Upper  
240 100  
120 16.0 10.8 16.2  
236 25.2 21.6 32.4



#79  
Terphenyl-d14  
Concen: 58.651 ng  
RT: 12.927 min Scan# 1843  
Delta R.T. 0.006 min  
Lab File: BF126309.D  
Acq: 21 Dec 2021 21:49

Tgt Ion:244 Resp: 1583597  
Ion Ratio Lower Upper  
244 100  
212 6.6 5.9 8.9  
122 15.2 9.0 13.4#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.421 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF126309.D  
Acq: 21 Dec 2021 21:49

Instrument :  
BNA\_F  
ClientSampleId :  
POST-EXCAVATION-BOTTOM-EAST

Tgt Ion:264 Resp: 352537  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.4  | 19.6  | 29.4  |
| 265 | 21.0  | 17.2  | 25.8  |

