

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122823\  
 Data File : BF136812.D  
 Acq On : 29 Dec 2023 00:56  
 Operator : CG\JU  
 Sample : 05882-01 10X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-04-121523RE

Quant Time: Dec 29 01:24:46 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

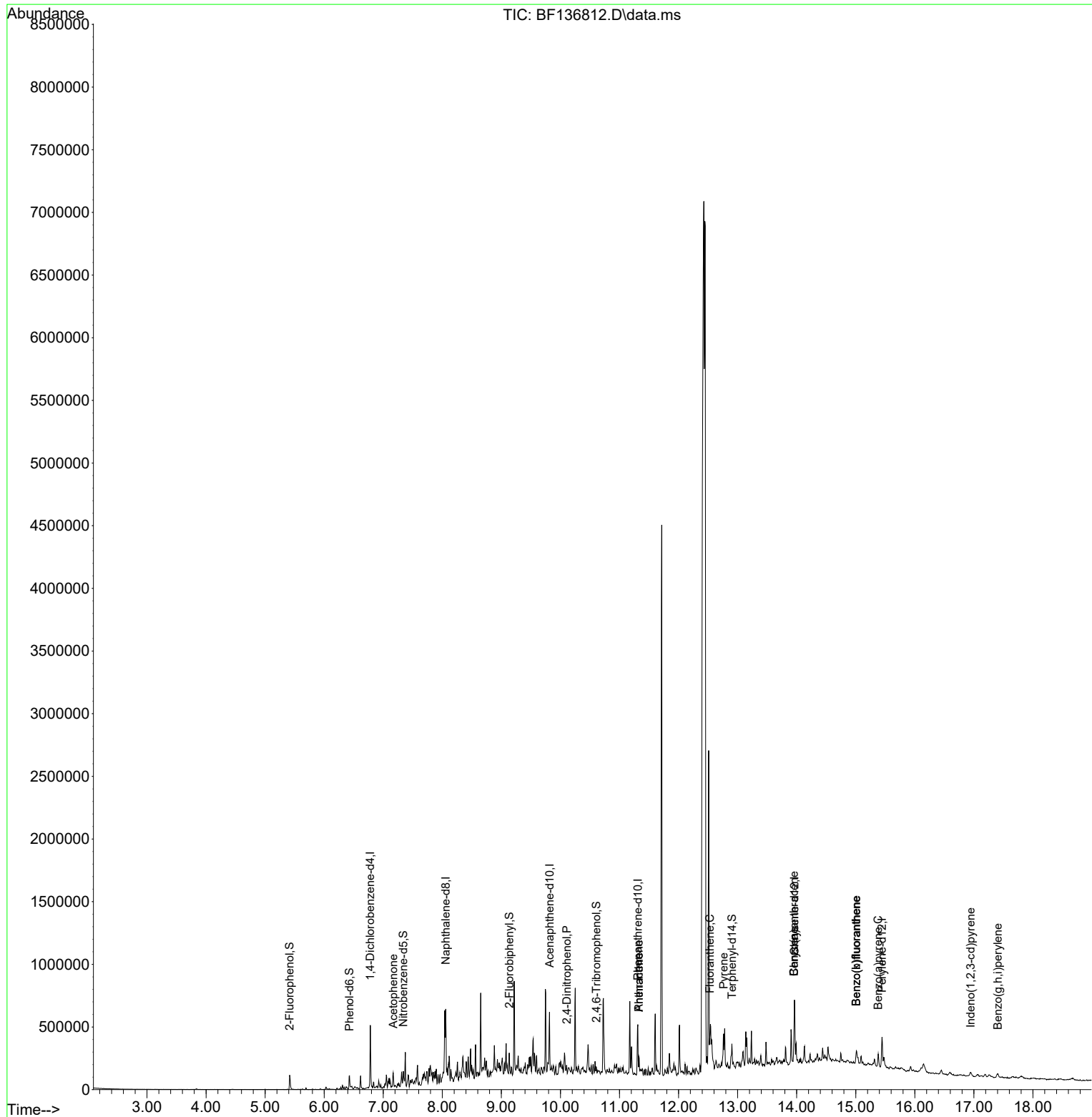
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.781  | 152  | 65865    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.057  | 136  | 210544   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.816  | 164  | 82205    | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.310 | 188  | 153071   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12            | 13.963 | 240  | 148772   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.445 | 264  | 108946   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.416  | 112  | 36050    | 8.540  | ng    | -0.01    |
| 7) Phenol-d6                | 6.428  | 99   | 43830    | 8.013  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.339  | 82   | 26356    | 6.406  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.610 | 330  | 7500     | 7.747  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.133  | 172  | 46098    | 7.542  | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.904 | 244  | 55756    | 5.237  | ng    | -0.01    |
| Target Compounds            |        |      |          |        |       |          |
| 22) Acetophenone            | 7.169  | 105  | 14723    | 2.790  | ng    | # 49     |
| 54) 2,4-Dinitrophenol       | 10.110 | 184  | 68       | 3.821  | ng    | # 38     |
| 71) Phenanthrene            | 11.327 | 178  | 50657    | 6.450  | ng    | 98       |
| 72) Anthracene              | 11.327 | 178  | 50657    | 6.369  | ng    | 97       |
| 75) Fluoranthene            | 12.527 | 202  | 104141   | 12.396 | ng    | 97       |
| 78) Pyrene                  | 12.763 | 202  | 117301   | 8.032  | ng    | 99       |
| 81) Benzo(a)anthracene      | 13.957 | 228  | 72607    | 7.028  | ng    | 94       |
| 83) Chrysene                | 13.957 | 228  | 72607    | 7.187  | ng    | 95       |
| 87) Indeno(1,2,3-cd)pyrene  | 16.945 | 276  | 23988    | 3.050  | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 15.010 | 252  | 79505    | 10.926 | ng    | # 95     |
| 89) Benzo(k)fluoranthene    | 15.010 | 252  | 79505    | 11.563 | ng    | # 95     |
| 90) Benzo(a)pyrene          | 15.380 | 252  | 43186    | 7.031  | ng    | # 89     |
| 92) Benzo(g,h,i)perylene    | 17.404 | 276  | 24054    | 3.639  | ng    | 97       |

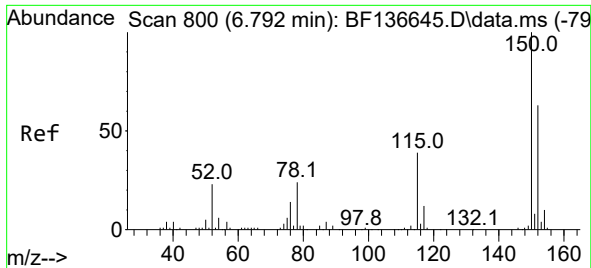
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122823\  
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Quant Time: Dec 29 01:24:46 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 21 01:54:25 2023  
Response via : Initial Calibration

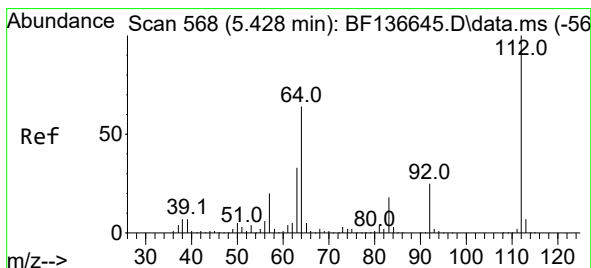
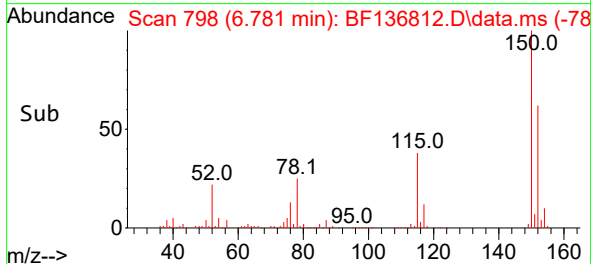
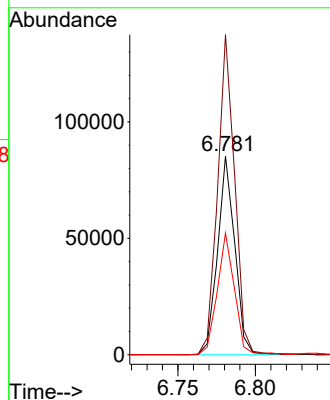
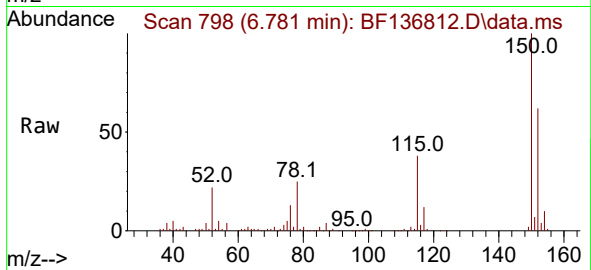




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 79  
Delta R.T. -0.011 min  
Lab File: BF136812.D  
Acq: 29 Dec 2023 00:56

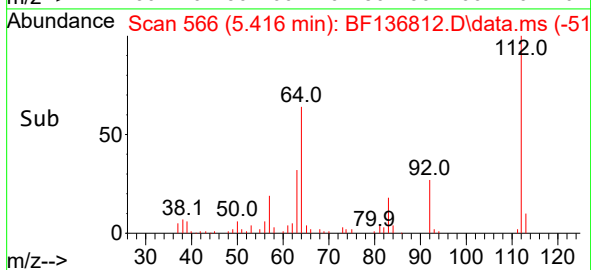
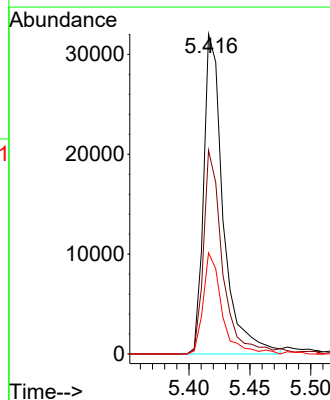
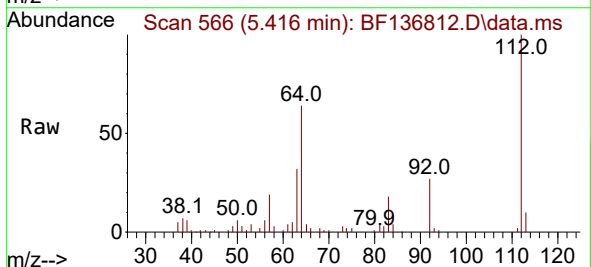
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-121523RE

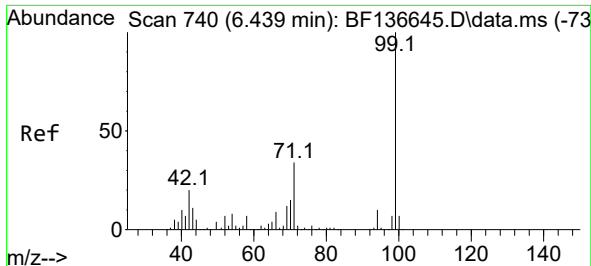
Tgt Ion:152 Resp: 65865  
Ion Ratio Lower Upper  
152 100  
150 161.1 127.0 190.6  
115 61.2 49.0 73.4



#5  
2-Fluorophenol  
Concen: 8.540 ng  
RT: 5.416 min Scan# 566  
Delta R.T. -0.012 min  
Lab File: BF136812.D  
Acq: 29 Dec 2023 00:56

Tgt Ion:112 Resp: 36050  
Ion Ratio Lower Upper  
112 100  
64 63.7 51.1 76.7  
63 31.6 26.1 39.1

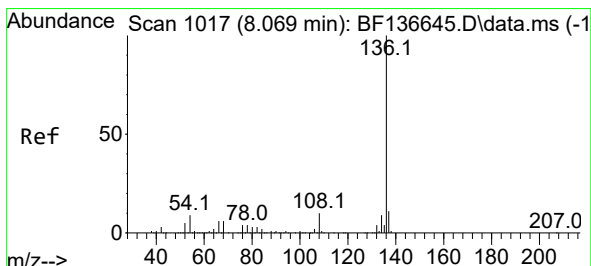
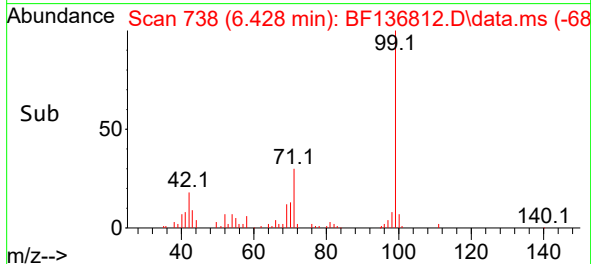
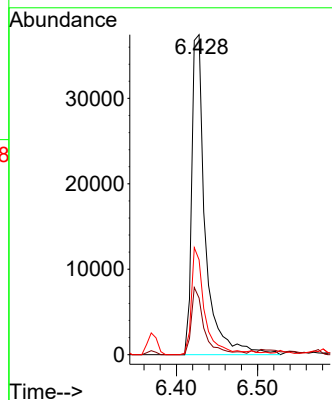
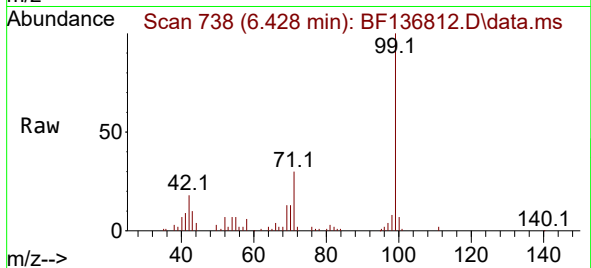




#7  
Phenol-d6  
Concen: 8.013 ng  
RT: 6.428 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF136812.D  
Acq: 29 Dec 2023 00:56

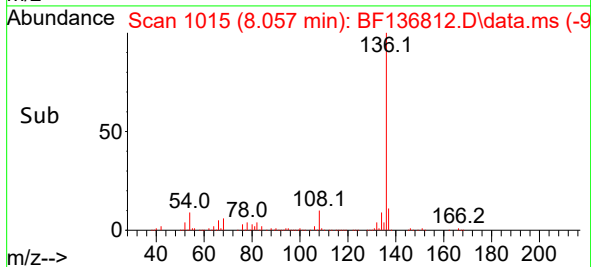
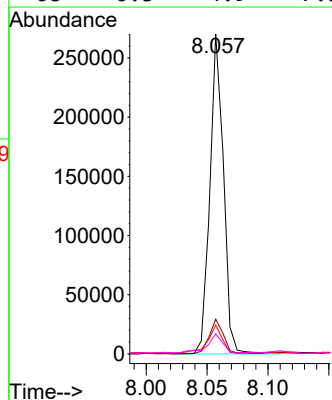
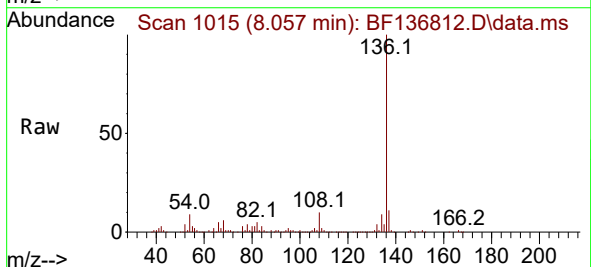
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-121523RE

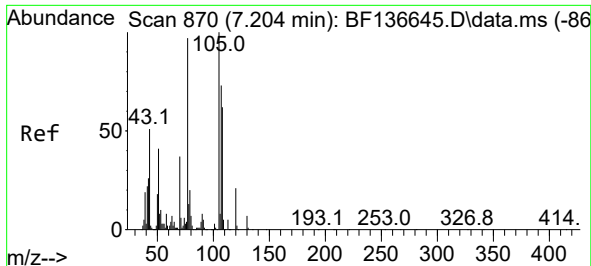
Tgt Ion: 99 Resp: 43830  
Ion Ratio Lower Upper  
99 100  
42 17.7 16.1 24.1  
71 29.6 27.4 41.2



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.057 min Scan# 1015  
Delta R.T. -0.012 min  
Lab File: BF136812.D  
Acq: 29 Dec 2023 00:56

Tgt Ion: 136 Resp: 210544  
Ion Ratio Lower Upper  
136 100  
137 10.9 9.0 13.4  
54 9.0 7.2 10.8  
68 6.3 4.9 7.3

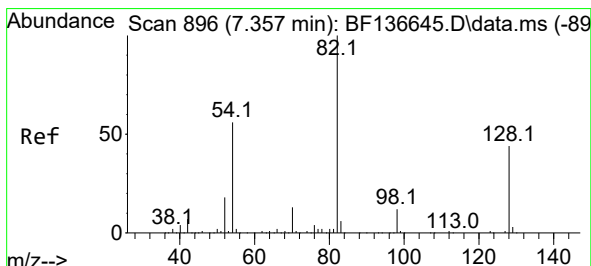
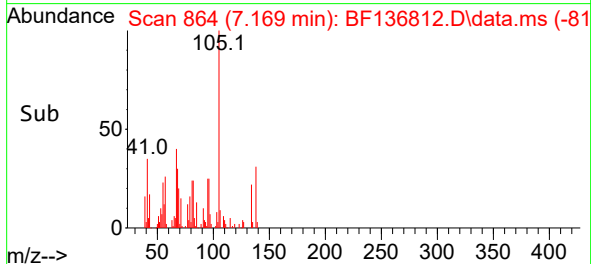
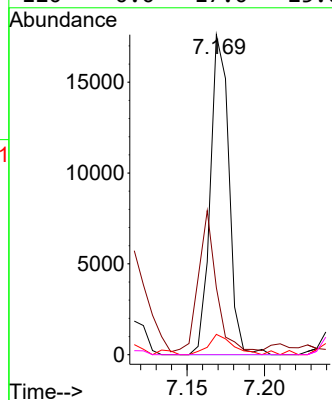
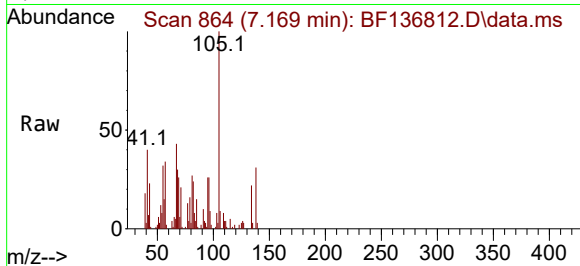




#22  
Acetophenone  
Concen: 2.790 ng  
RT: 7.169 min Scan# 80  
Delta R.T. -0.035 min  
Lab File: BF136812.D  
Acq: 29 Dec 2023 00:56

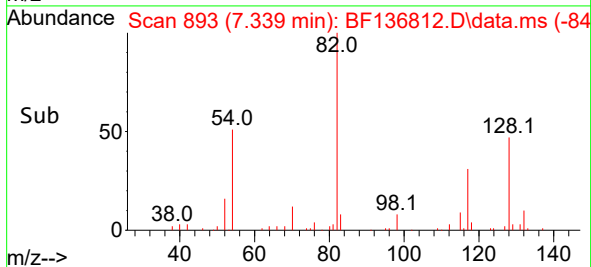
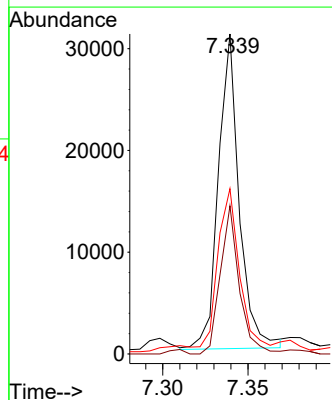
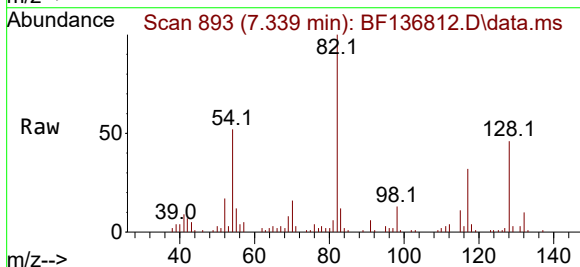
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-121523RE

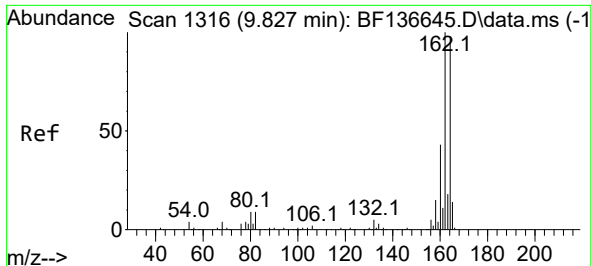
Tgt Ion:105 Resp: 14723  
Ion Ratio Lower Upper  
105 100  
71 20.9 4.8 7.2#  
51 6.3 32.8 49.2#  
120 0.0 17.0 25.6#



#23  
Nitrobenzene-d5  
Concen: 6.406 ng  
RT: 7.339 min Scan# 893  
Delta R.T. -0.018 min  
Lab File: BF136812.D  
Acq: 29 Dec 2023 00:56

Tgt Ion: 82 Resp: 26356  
Ion Ratio Lower Upper  
82 100  
128 46.3 35.3 52.9  
54 51.7 44.5 66.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136812.D

Acq: 29 Dec 2023 00:56

Instrument :

BNA\_F

ClientSampleId :

TR-04-121523RE

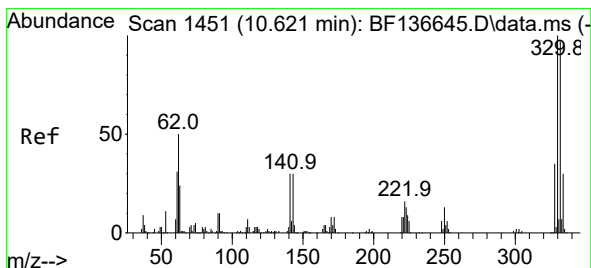
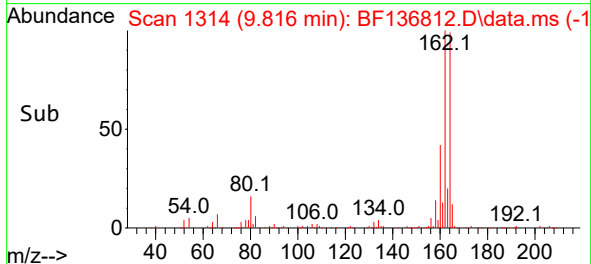
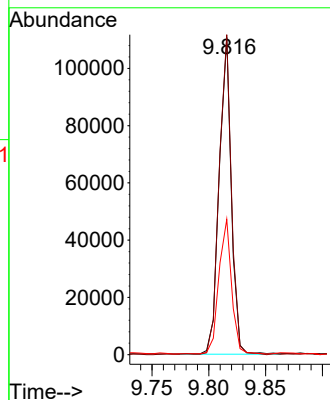
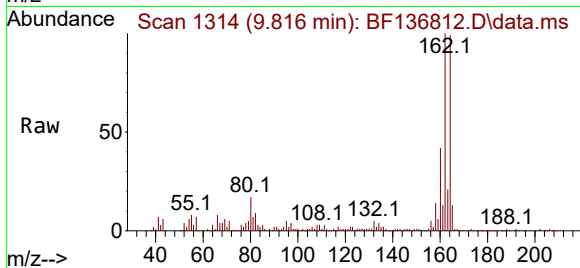
Tgt Ion:164 Resp: 82205

Ion Ratio Lower Upper

164 100

162 100.8 81.6 122.4

160 42.6 34.9 52.3



#42

2,4,6-Tribromophenol

Concen: 7.747 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF136812.D

Acq: 29 Dec 2023 00:56

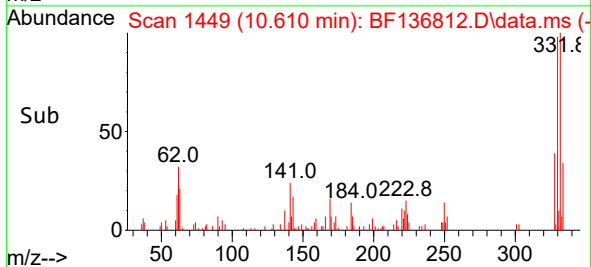
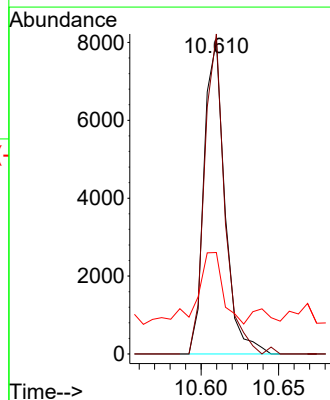
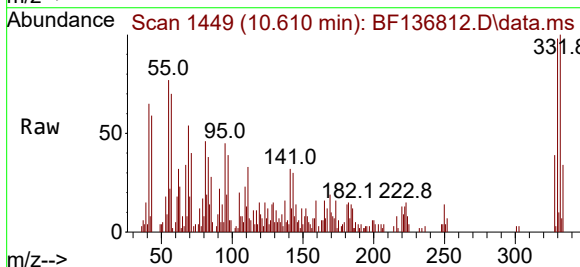
Tgt Ion:330 Resp: 7500

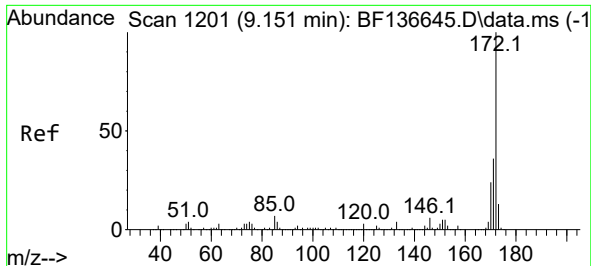
Ion Ratio Lower Upper

330 100

332 99.2 77.4 116.0

141 27.9 23.4 35.2

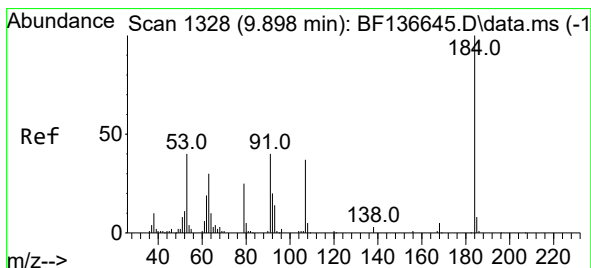
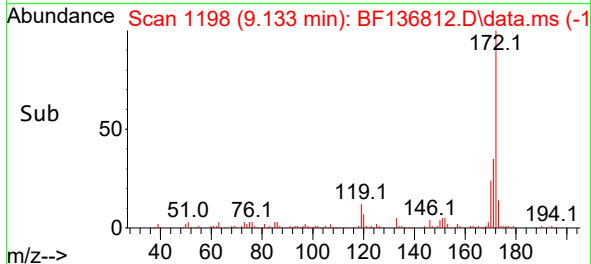
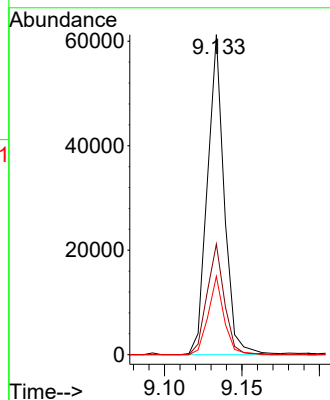
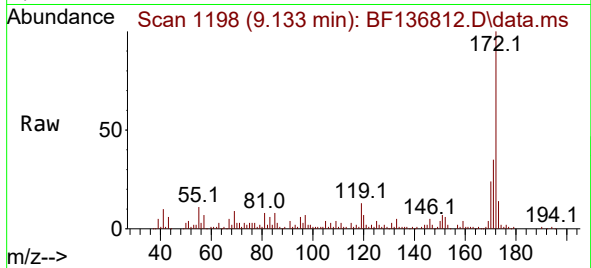




#45  
2-Fluorobiphenyl  
Concen: 7.542 ng  
RT: 9.133 min Scan# 1198  
Delta R.T. -0.018 min  
Lab File: BF136812.D  
Acq: 29 Dec 2023 00:56

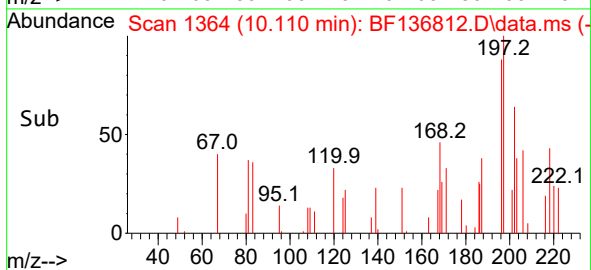
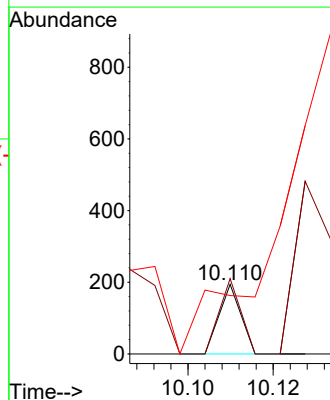
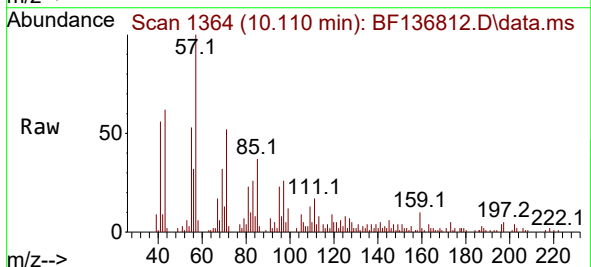
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-121523RE

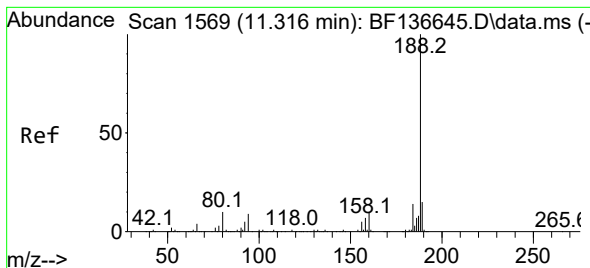
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:172 | Resp: | 46098     |
| Ion Ratio   | Lower | Upper     |
| 172         | 100   |           |
| 171         | 34.6  | 29.0 43.6 |
| 170         | 24.5  | 19.0 28.4 |



#54  
2,4-Dinitrophenol  
Concen: 3.821 ng  
RT: 10.110 min Scan# 1364  
Delta R.T. 0.212 min  
Lab File: BF136812.D  
Acq: 29 Dec 2023 00:56

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:184 | Resp: | 68         |
| Ion Ratio   | Lower | Upper      |
| 184         | 100   |            |
| 63          | 108.2 | 40.9 61.3# |
| 154         | 84.0  | 42.7 64.1# |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136812.D

Acq: 29 Dec 2023 00:56

Instrument :

BNA\_F

ClientSampleId :

TR-04-121523RE

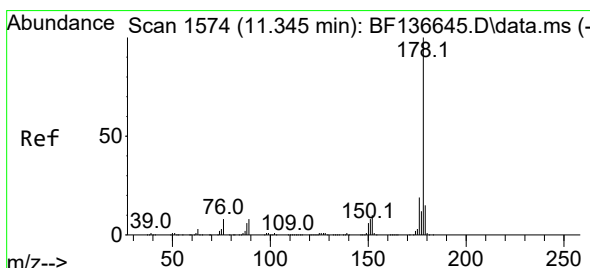
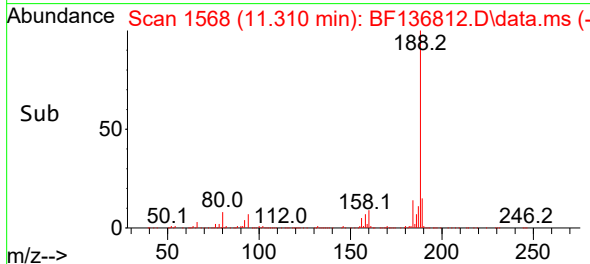
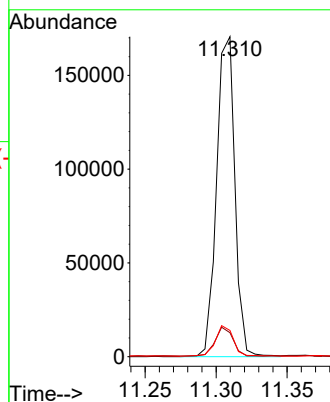
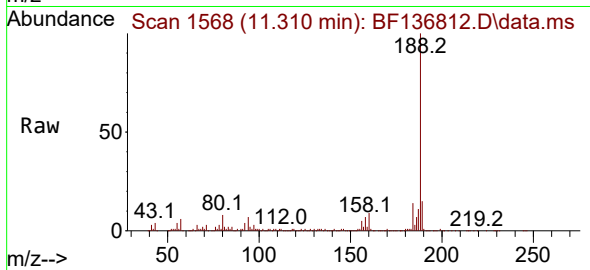
Tgt Ion:188 Resp: 153071

Ion Ratio Lower Upper

188 100

94 7.5 7.5 11.3#

80 8.2 8.1 12.1



#71

Phenanthrene

Concen: 6.450 ng

RT: 11.327 min Scan# 1571

Delta R.T. -0.018 min

Lab File: BF136812.D

Acq: 29 Dec 2023 00:56

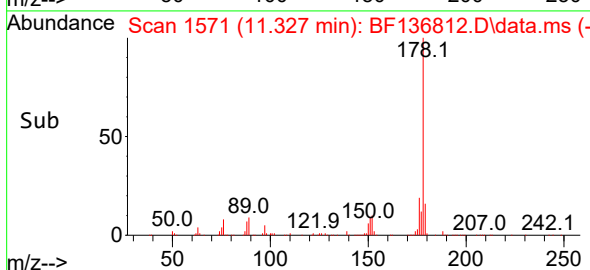
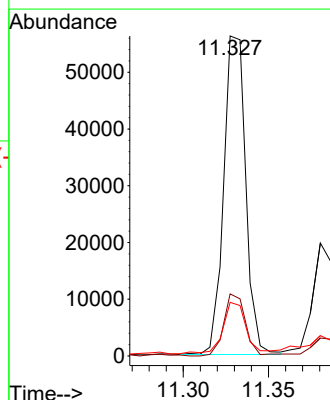
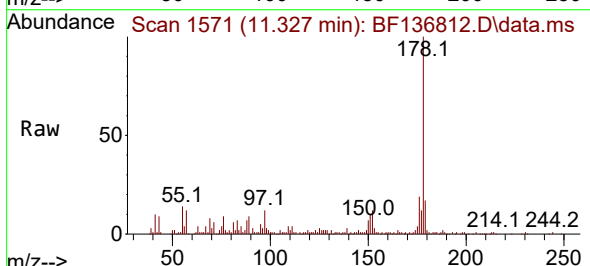
Tgt Ion:178 Resp: 50657

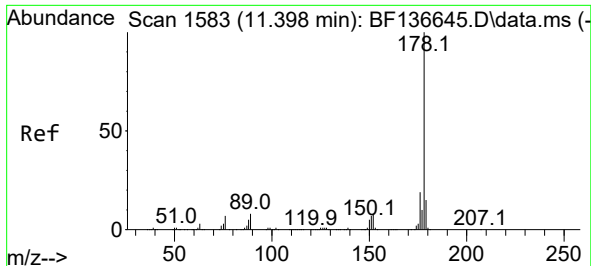
Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

179 16.8 11.9 17.9

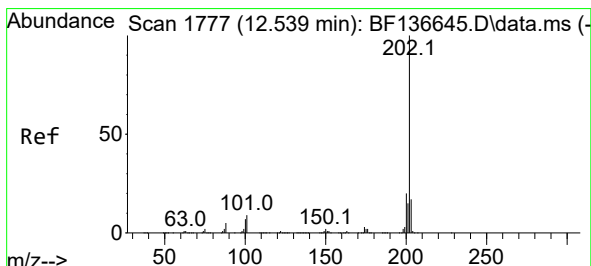
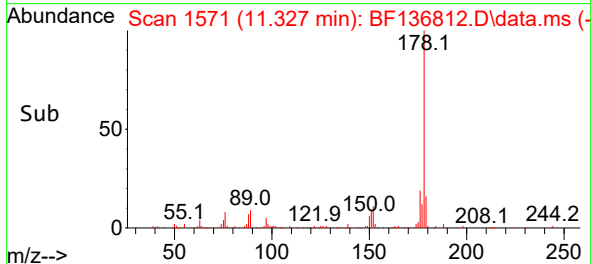
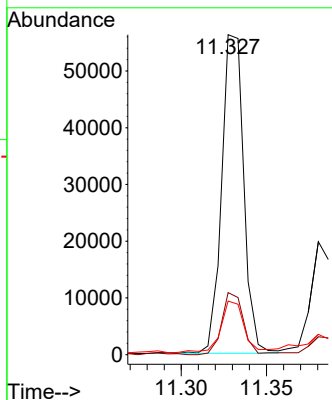
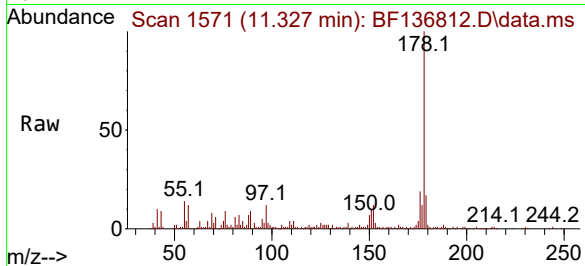




#72  
 Anthracene  
 Concen: 6.369 ng  
 RT: 11.327 min Scan# 11  
 Delta R.T. -0.070 min  
 Lab File: BF136812.D  
 Acq: 29 Dec 2023 00:56

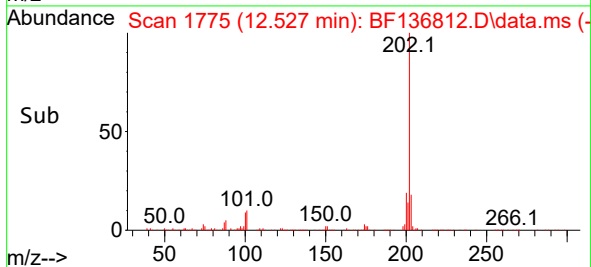
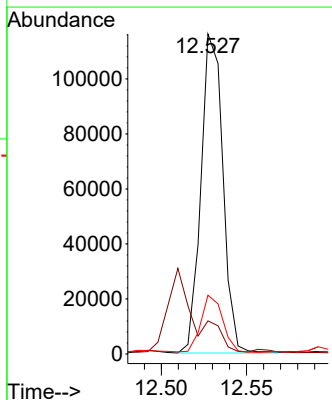
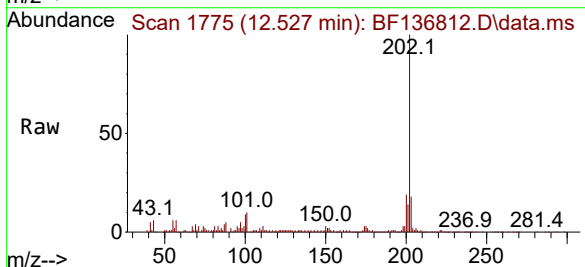
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-04-121523RE

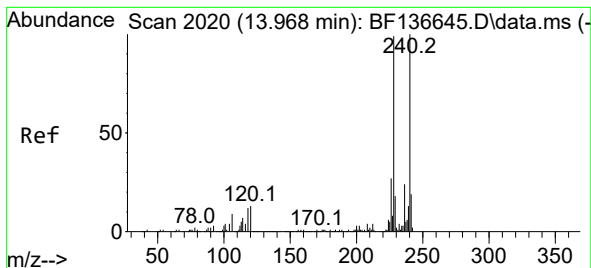
Tgt Ion:178 Resp: 50657  
 Ion Ratio Lower Upper  
 178 100  
 176 19.4 14.9 22.3  
 179 16.8 11.8 17.6



#75  
 Fluoranthene  
 Concen: 12.396 ng  
 RT: 12.527 min Scan# 1775  
 Delta R.T. -0.012 min  
 Lab File: BF136812.D  
 Acq: 29 Dec 2023 00:56

Tgt Ion:202 Resp: 104141  
 Ion Ratio Lower Upper  
 202 100  
 101 10.4 0.0 29.3  
 203 18.3 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136812.D

Acq: 29 Dec 2023 00:56

Instrument :

BNA\_F

ClientSampleId :

TR-04-121523RE

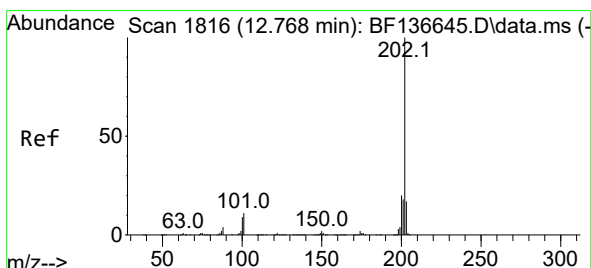
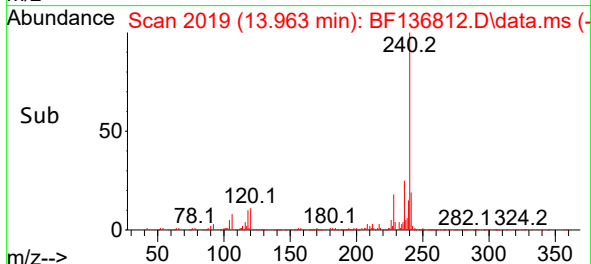
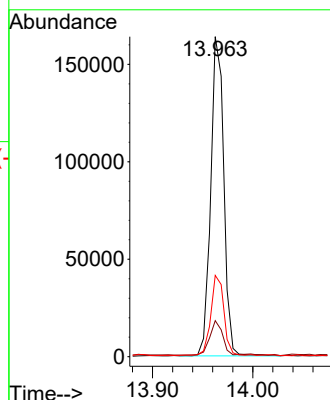
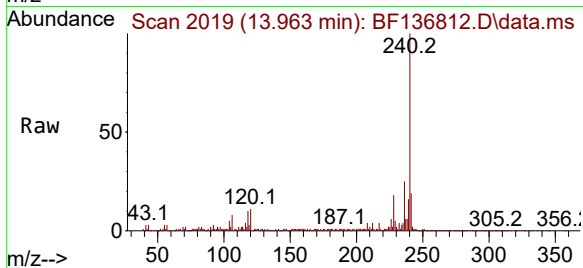
Tgt Ion:240 Resp: 148772

Ion Ratio Lower Upper

240 100

120 11.3 10.3 15.5

236 25.4 19.4 29.2



#78

Pyrene

Concen: 8.032 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF136812.D

Acq: 29 Dec 2023 00:56

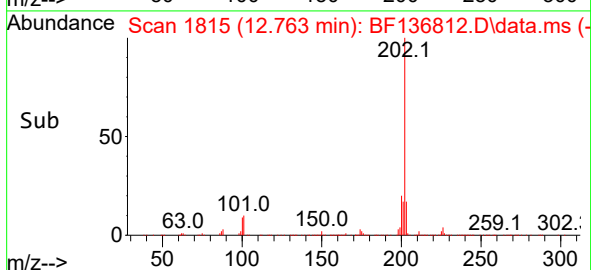
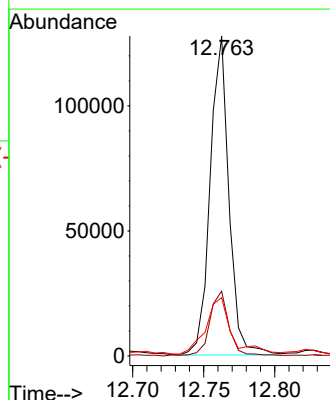
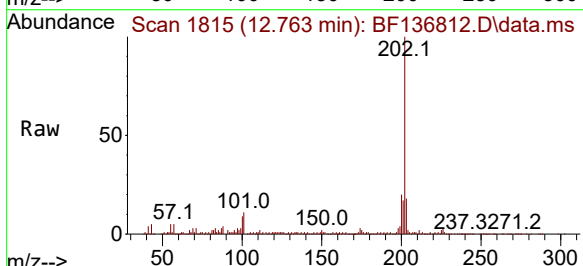
Tgt Ion:202 Resp: 117301

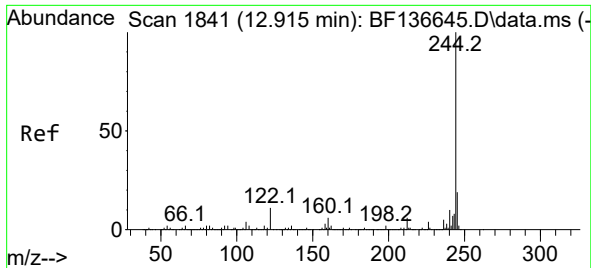
Ion Ratio Lower Upper

202 100

200 20.3 15.9 23.9

203 18.2 13.8 20.6

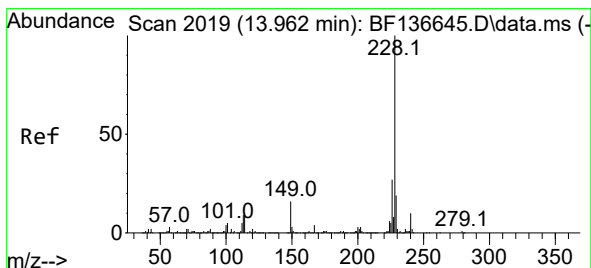
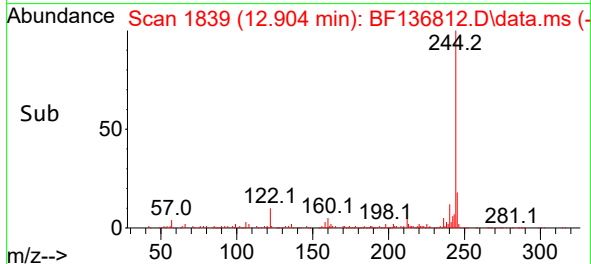
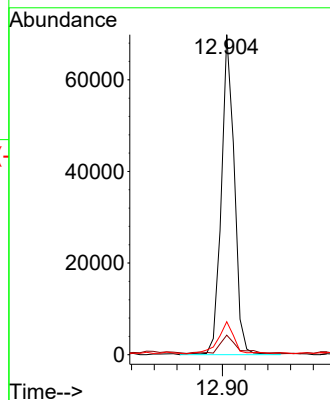
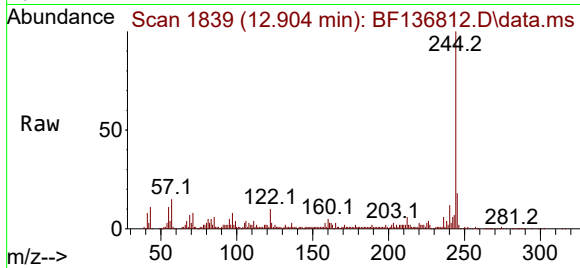




#79  
 Terphenyl-d14  
 Concen: 5.237 ng  
 RT: 12.904 min Scan# 1839  
 Delta R.T. -0.012 min  
 Lab File: BF136812.D  
 Acq: 29 Dec 2023 00:56

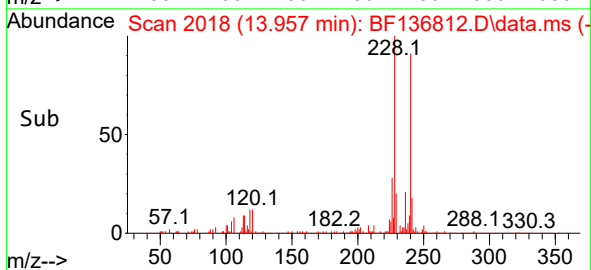
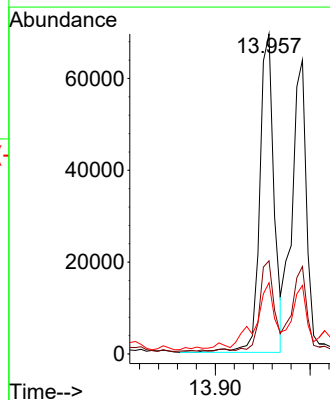
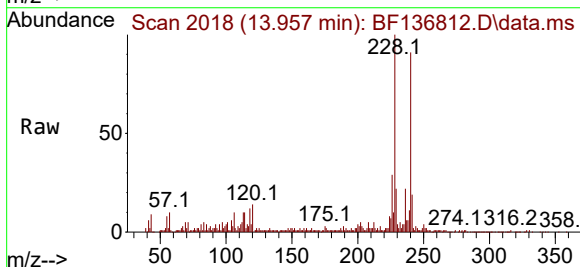
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-04-121523RE

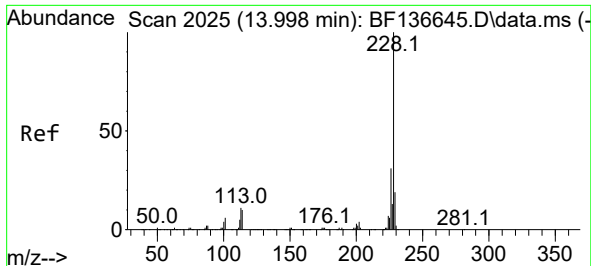
Tgt Ion:244 Resp: 55756  
 Ion Ratio Lower Upper  
 244 100  
 212 6.1 5.0 7.4  
 122 10.3 9.0 13.4



#81  
 Benzo(a)anthracene  
 Concen: 7.028 ng  
 RT: 13.957 min Scan# 2018  
 Delta R.T. -0.006 min  
 Lab File: BF136812.D  
 Acq: 29 Dec 2023 00:56

Tgt Ion:228 Resp: 72607  
 Ion Ratio Lower Upper  
 228 100  
 226 29.1 21.4 32.0  
 229 22.2 14.9 22.3

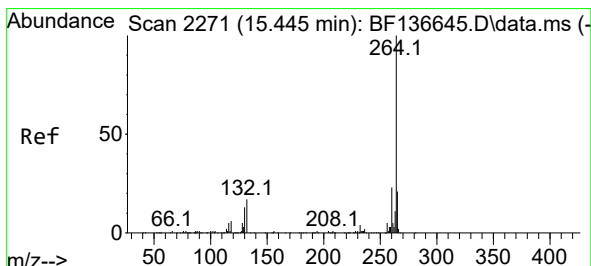
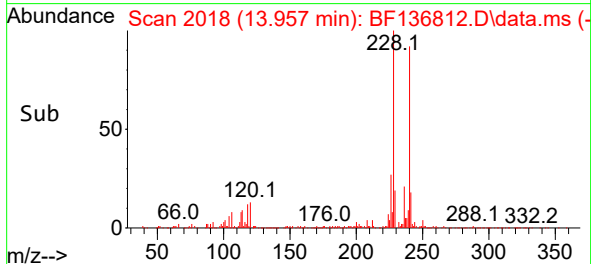
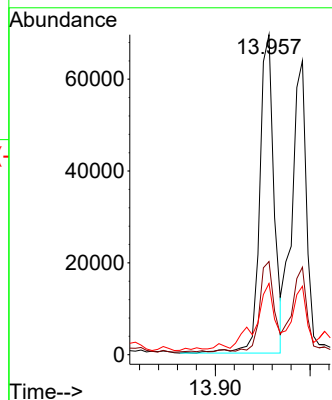
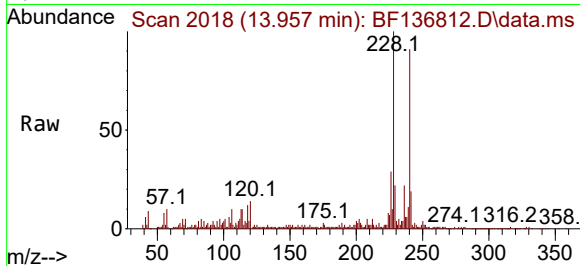




#83  
Chrysene  
Concen: 7.187 ng  
RT: 13.957 min Scan# 20  
Delta R.T. -0.041 min  
Lab File: BF136812.D  
Acq: 29 Dec 2023 00:56

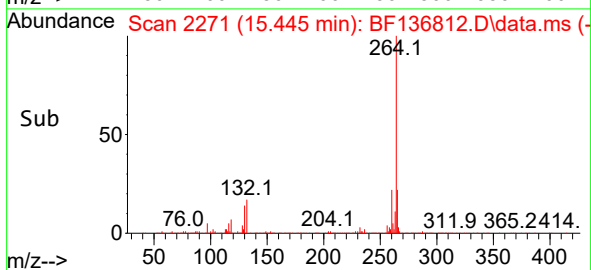
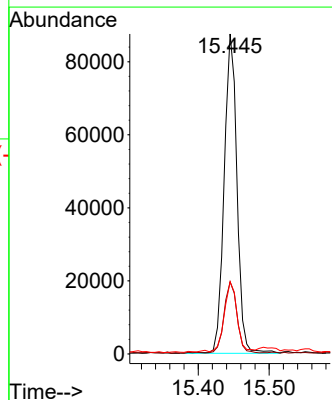
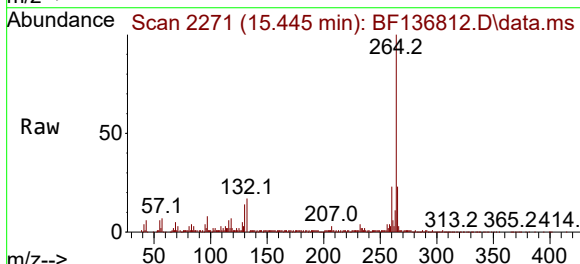
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-121523RE

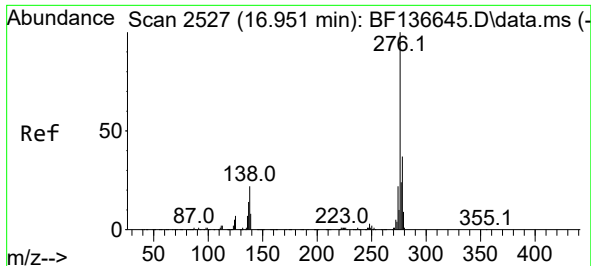
Tgt Ion:228 Resp: 72607  
Ion Ratio Lower Upper  
228 100  
226 29.1 24.7 37.1  
229 22.2 15.4 23.0



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.445 min Scan# 2271  
Delta R.T. 0.000 min  
Lab File: BF136812.D  
Acq: 29 Dec 2023 00:56

Tgt Ion:264 Resp: 108946  
Ion Ratio Lower Upper  
264 100  
260 22.5 18.3 27.5  
265 22.5 17.0 25.6

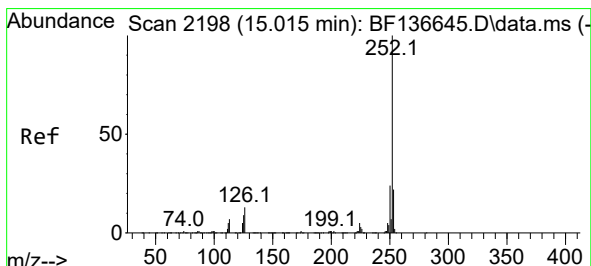
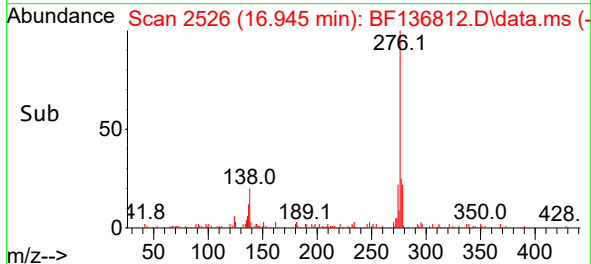
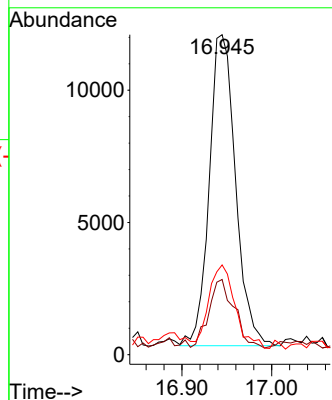
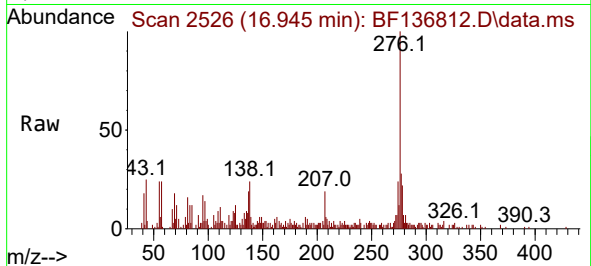




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 3.050 ng  
RT: 16.945 min Scan# 2198  
Delta R.T. -0.006 min  
Lab File: BF136812.D  
Acq: 29 Dec 2023 00:56

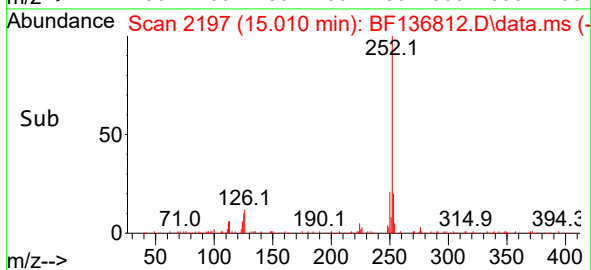
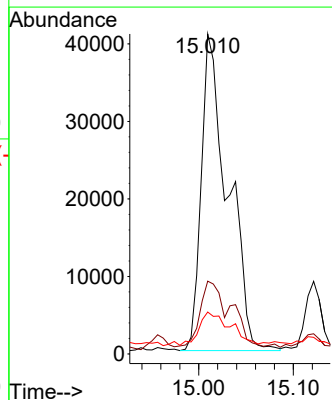
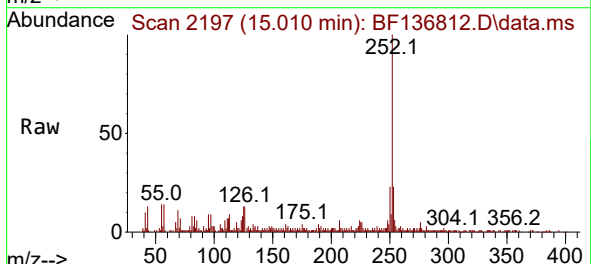
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-121523RE

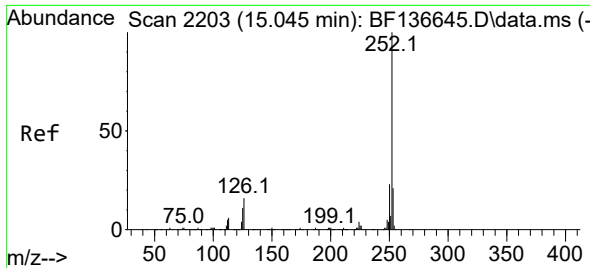
Tgt Ion:276 Resp: 23988  
Ion Ratio Lower Upper  
276 100  
138 21.8 18.7 28.1  
277 26.5 20.2 30.2



#88  
Benzo(b)fluoranthene  
Concen: 10.926 ng  
RT: 15.010 min Scan# 2197  
Delta R.T. -0.006 min  
Lab File: BF136812.D  
Acq: 29 Dec 2023 00:56

Tgt Ion:252 Resp: 79505  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.4 26.0  
125 13.1 7.4 11.2#

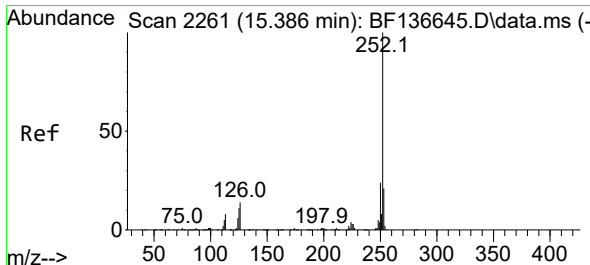
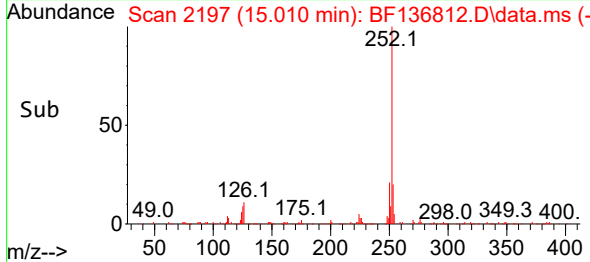
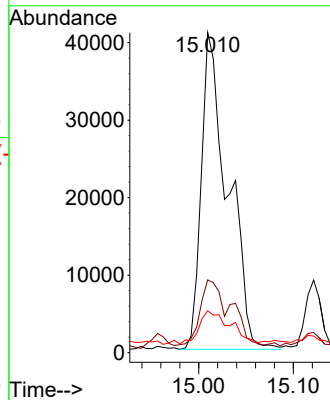
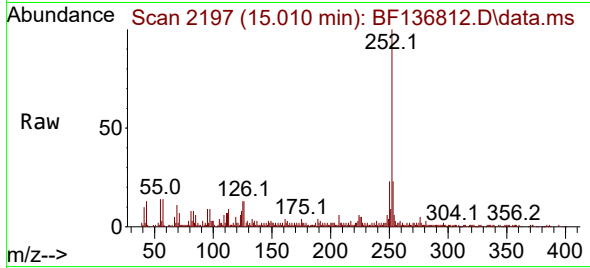




#89  
Benzo(k)fluoranthene  
Concen: 11.563 ng  
RT: 15.010 min Scan# 21  
Delta R.T. -0.035 min  
Lab File: BF136812.D  
Acq: 29 Dec 2023 00:56

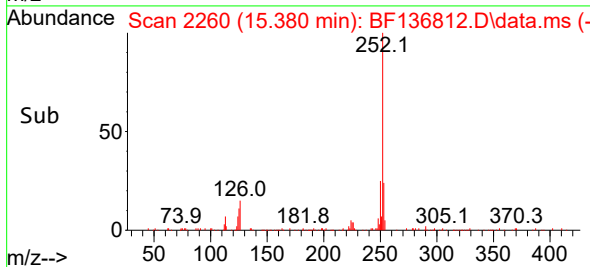
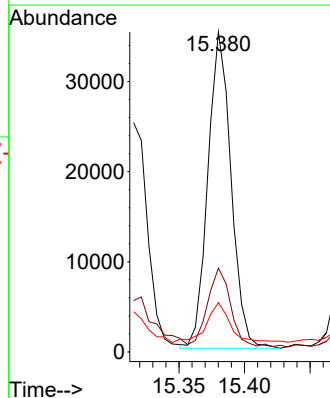
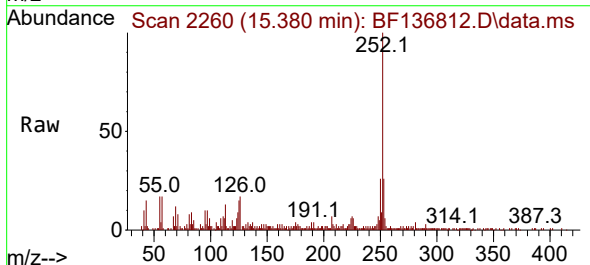
Instrument :  
BNA\_F  
ClientSampleId :  
TR-04-121523RE

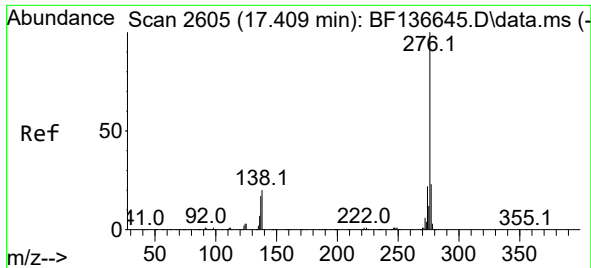
Tgt Ion:252 Resp: 79505  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.0 25.6  
125 13.1 8.2 12.4#



#90  
Benzo(a)pyrene  
Concen: 7.031 ng  
RT: 15.380 min Scan# 2260  
Delta R.T. -0.006 min  
Lab File: BF136812.D  
Acq: 29 Dec 2023 00:56

Tgt Ion:252 Resp: 43186  
Ion Ratio Lower Upper  
252 100  
253 26.2 17.0 25.6#  
125 15.4 8.8 13.2#





#92  
 Benzo(g,h,i)perylene  
 Concen: 3.639 ng  
 RT: 17.404 min Scan# 2604  
 Delta R.T. -0.006 min  
 Lab File: BF136812.D  
 Acq: 29 Dec 2023 00:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-04-121523RE

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 24054 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 23.4  | 18.3  | 27.5  |
| 138       | 22.3  | 15.6  | 23.4  |

