

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120624\  
 Data File : BF140764.D  
 Acq On : 06 Dec 2024 14:14  
 Operator : RC/JU  
 Sample : P5137-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LAW-OILY-STONES

Quant Time: Dec 06 13:35:44 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

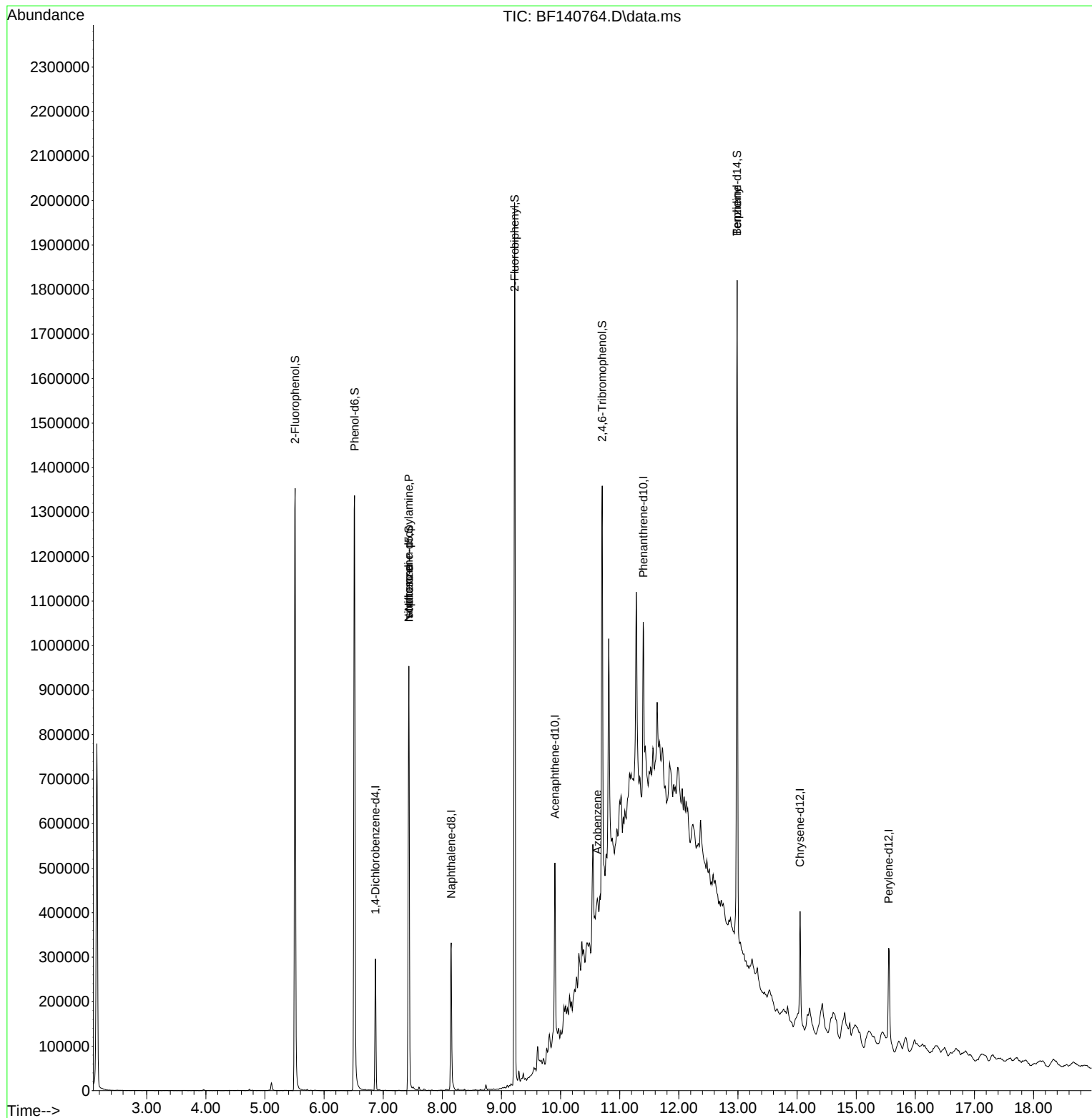
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 62074    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 227455   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.904  | 164  | 119754   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.398 | 188  | 187301   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.051 | 240  | 123876   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.551 | 264  | 139311   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 542076   | 148.999 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.516  | 99   | 695321   | 144.567 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 456673   | 102.697 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 173362   | 135.357 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.222  | 172  | 902008   | 112.225 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.986 | 244  | 728524   | 91.576  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.434  | 70   | 61571    | 21.661  | ng    | # 74     |
| 25) Isophorone                | 7.434  | 82   | 451499   | 60.874  | ng    | # 66     |
| 63) Azobenzene                | 10.622 | 77   | 18518    | 2.440   | ng    | # 1      |
| 77) Benzidine                 | 12.986 | 184  | 10366    | 2.878   | ng    | # 80     |
| -----                         |        |      |          |         |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120624\  
Data File : BF140764.D  
Acq On : 06 Dec 2024 14:14  
Operator : RC/JU  
Sample : P5137-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
LAW-OILY-STONES

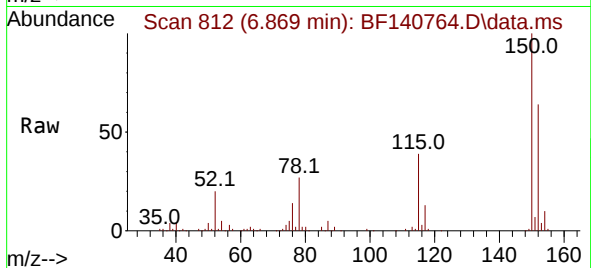
Quant Time: Dec 06 13:35:44 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration



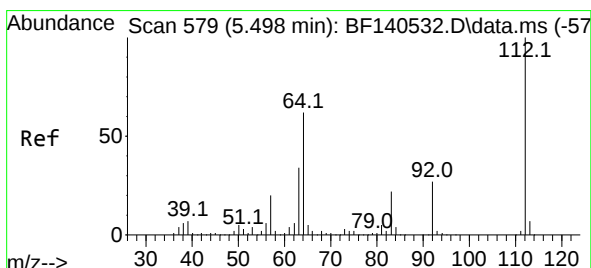
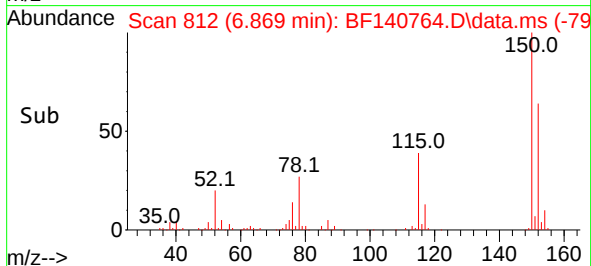
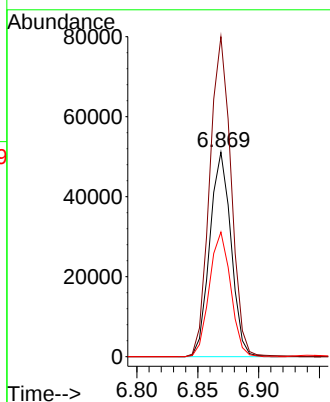


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF140764.D  
Acq: 06 Dec 2024 14:14

Instrument :  
BNA\_F  
ClientSampleId :  
LAW-OILY-STONES

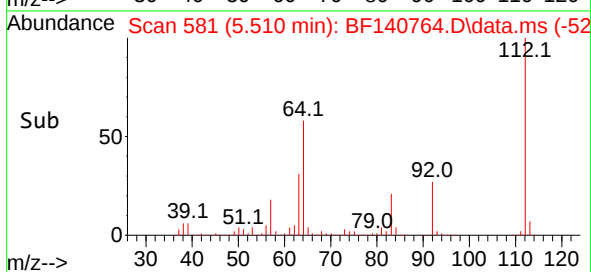
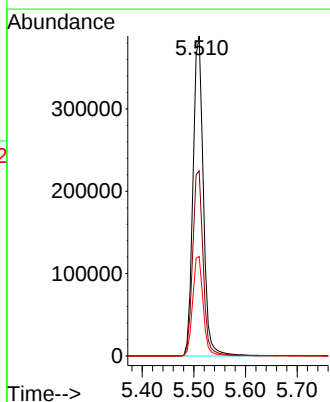
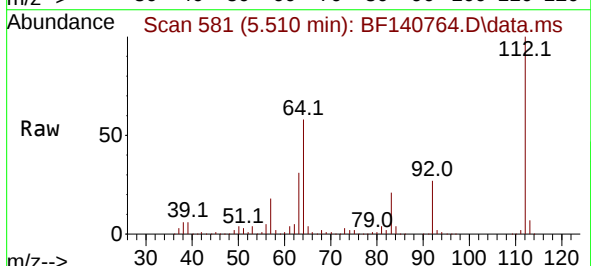


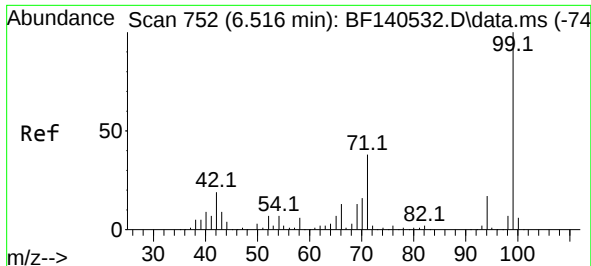
Tgt Ion:152 Resp: 62074  
Ion Ratio Lower Upper  
152 100  
150 156.4 128.5 192.7  
115 60.9 50.2 75.4



#5  
2-Fluorophenol  
Concen: 148.999 ng  
RT: 5.510 min Scan# 581  
Delta R.T. 0.012 min  
Lab File: BF140764.D  
Acq: 06 Dec 2024 14:14

Tgt Ion:112 Resp: 542076  
Ion Ratio Lower Upper  
112 100  
64 57.8 49.2 73.8  
63 31.1 27.0 40.4

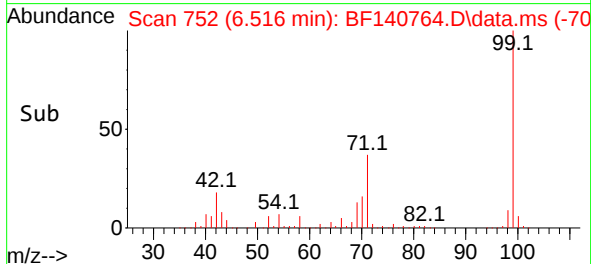
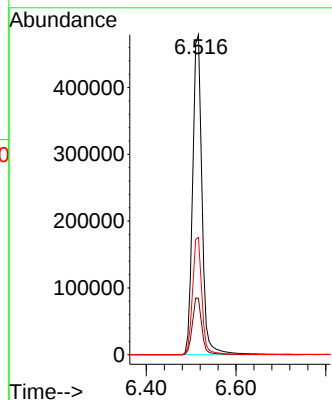
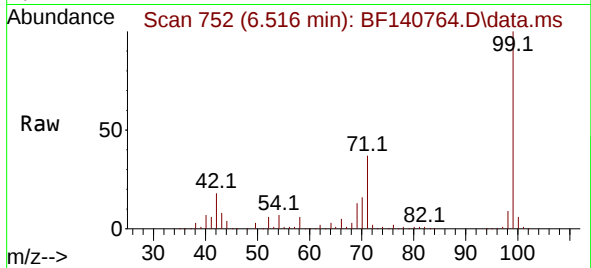




#7  
Phenol-d6  
Concen: 144.567 ng  
RT: 6.516 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF140764.D  
Acq: 06 Dec 2024 14:14

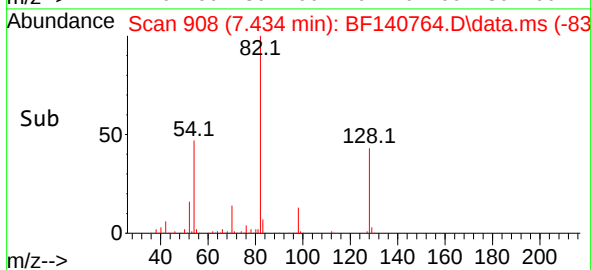
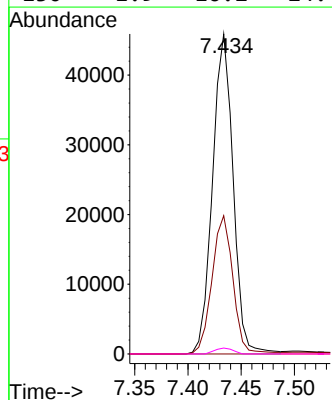
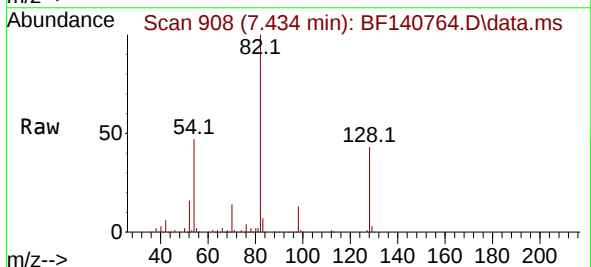
Instrument :  
BNA\_F  
ClientSampleId :  
LAW-OILY-STONES

Tgt Ion: 99 Resp: 695321  
Ion Ratio Lower Upper  
99 100  
42 17.6 15.4 23.0  
71 36.6 30.6 46.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 21.661 ng  
RT: 7.434 min Scan# 908  
Delta R.T. 0.147 min  
Lab File: BF140764.D  
Acq: 06 Dec 2024 14:14

Tgt Ion: 70 Resp: 61571  
Ion Ratio Lower Upper  
70 100  
42 43.2 47.6 71.4#  
101 0.0 7.6 11.4#  
130 1.9 16.2 24.4#



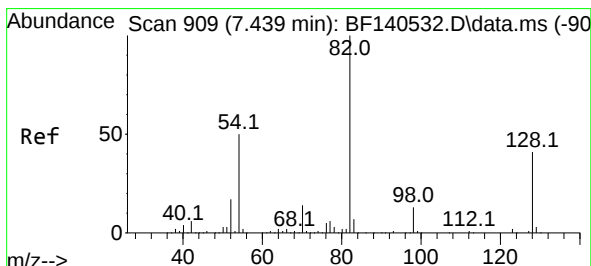
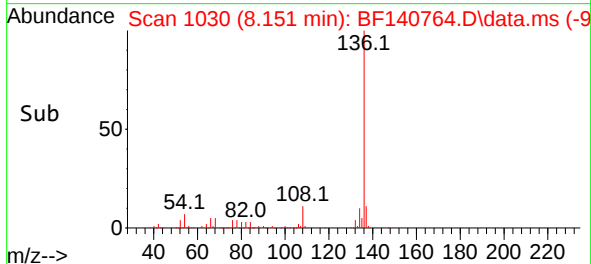
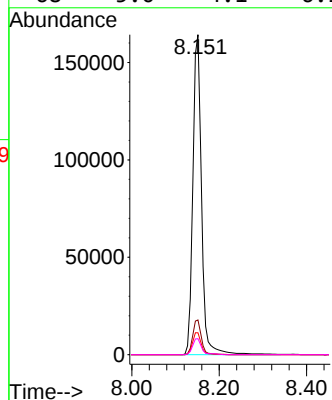
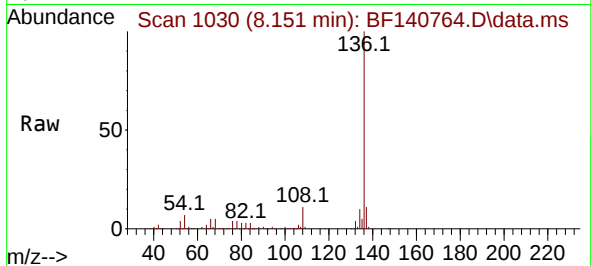


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF140764.D  
Acq: 06 Dec 2024 14:14

Instrument :  
BNA\_F  
ClientSampleId :  
LAW-OILY-STONES

Tgt Ion:136 Resp: 227455

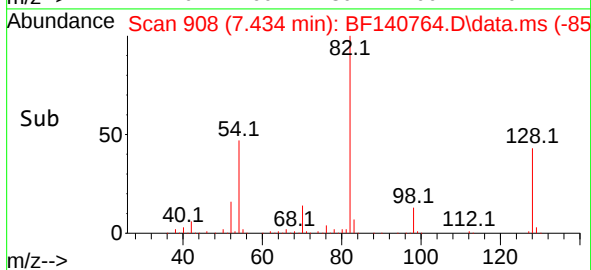
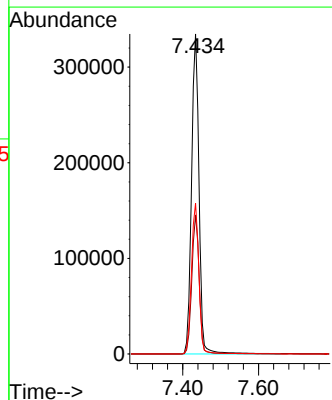
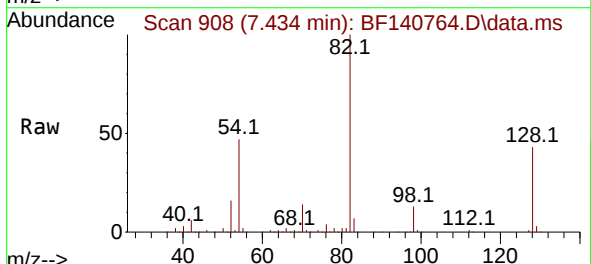
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.6   | 13.0  |
| 54  | 6.9   | 5.8   | 8.8   |
| 68  | 5.0   | 4.1   | 6.1   |



#23  
Nitrobenzene-d5  
Concen: 102.697 ng  
RT: 7.434 min Scan# 908  
Delta R.T. -0.006 min  
Lab File: BF140764.D  
Acq: 06 Dec 2024 14:14

Tgt Ion: 82 Resp: 456673

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 43.4  | 33.0  | 49.4  |
| 54  | 47.1  | 39.5  | 59.3  |

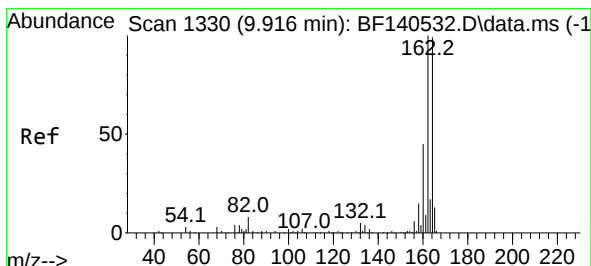
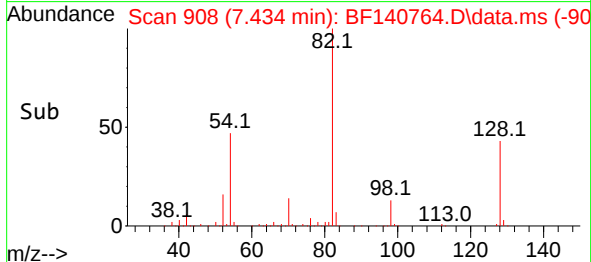
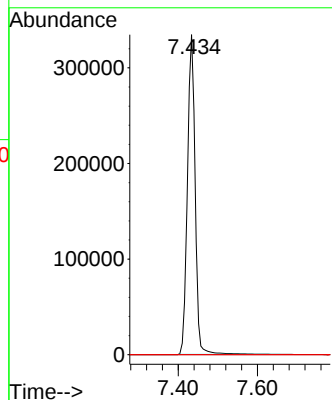
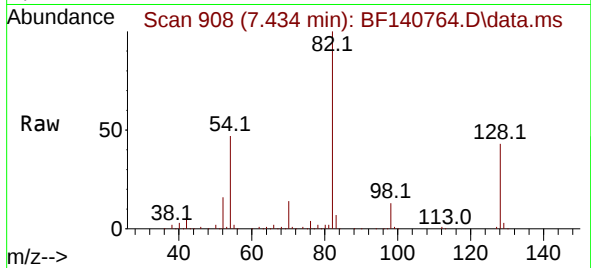




#25  
Isophorone  
Concen: 60.874 ng  
RT: 7.434 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF140764.D  
Acq: 06 Dec 2024 14:14

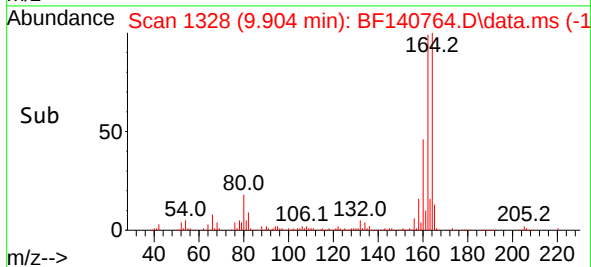
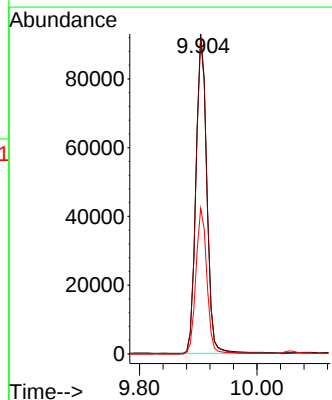
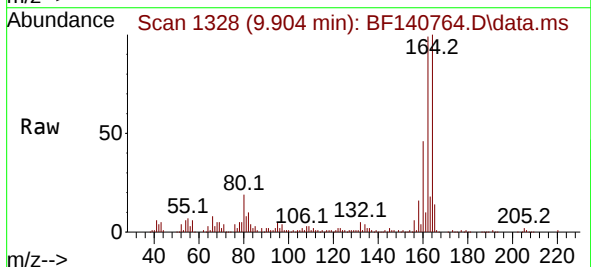
Instrument :  
BNA\_F  
ClientSampleId :  
LAW-OILY-STONES

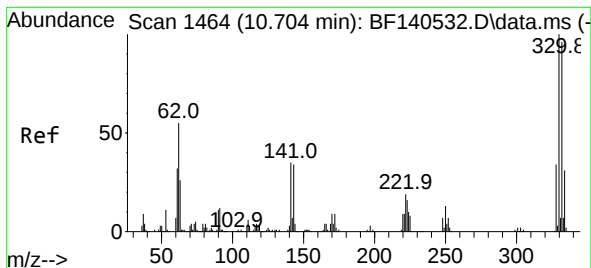
Tgt Ion: 82 Resp: 451499  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.4 9.6#  
138 0.0 13.8 20.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.904 min Scan# 1328  
Delta R.T. -0.012 min  
Lab File: BF140764.D  
Acq: 06 Dec 2024 14:14

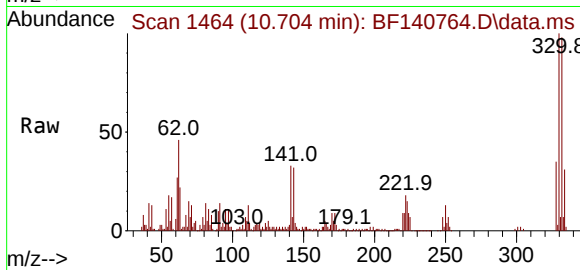
Tgt Ion:164 Resp: 119754  
Ion Ratio Lower Upper  
164 100  
162 98.7 80.6 120.8  
160 45.5 36.2 54.4



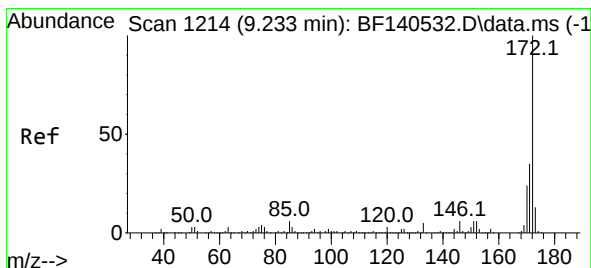
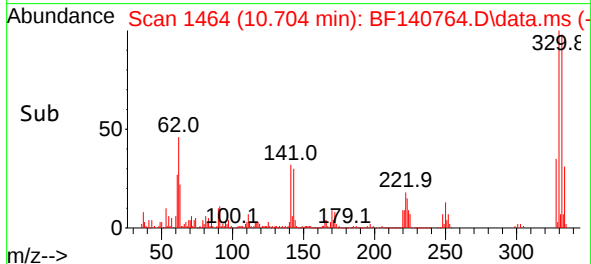
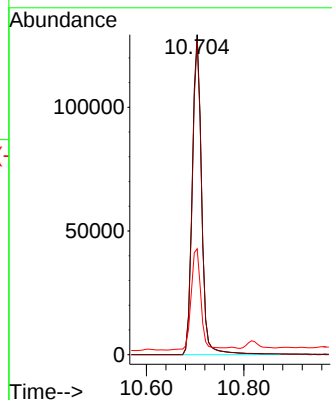


#42  
2,4,6-Tribromophenol  
Concen: 135.357 ng  
RT: 10.704 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: BF140764.D  
Acq: 06 Dec 2024 14:14

Instrument :  
BNA\_F  
ClientSampleId :  
LAW-OILY-STONES

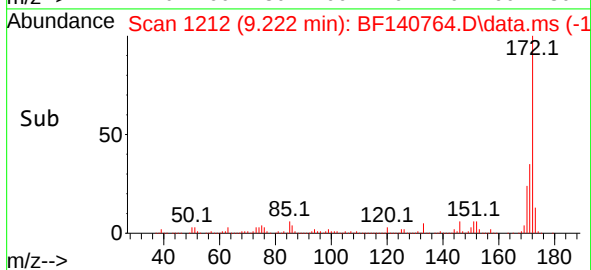
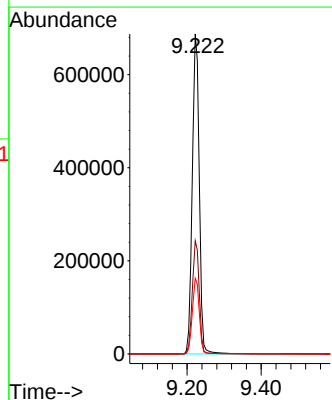
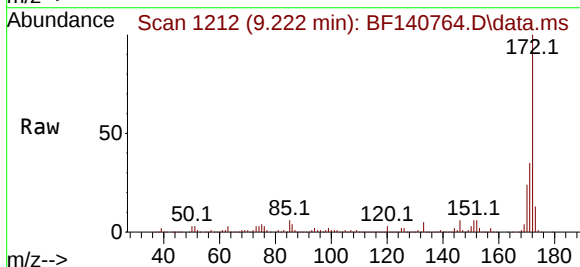


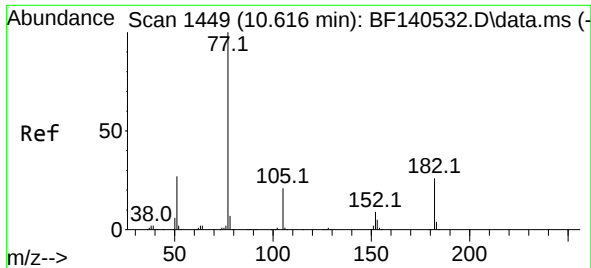
Tgt Ion:330 Resp: 173362  
Ion Ratio Lower Upper  
330 100  
332 97.6 76.9 115.3  
141 33.0 26.7 40.1



#45  
2-Fluorobiphenyl  
Concen: 112.225 ng  
RT: 9.222 min Scan# 1212  
Delta R.T. -0.012 min  
Lab File: BF140764.D  
Acq: 06 Dec 2024 14:14

Tgt Ion:172 Resp: 902008  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.4 42.6  
170 23.7 19.0 28.6

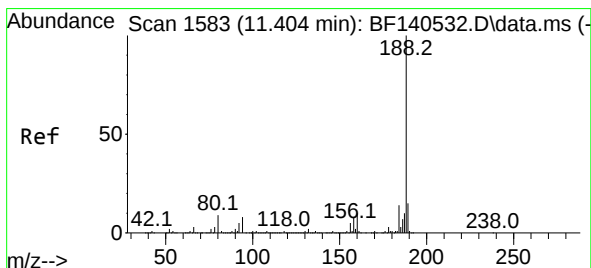
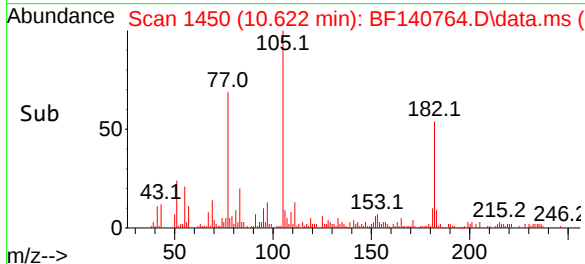
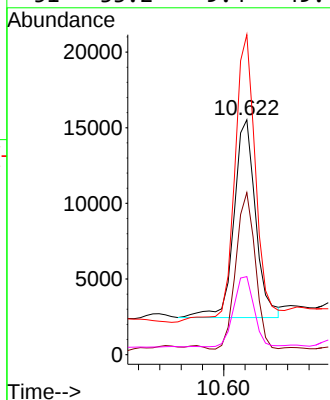
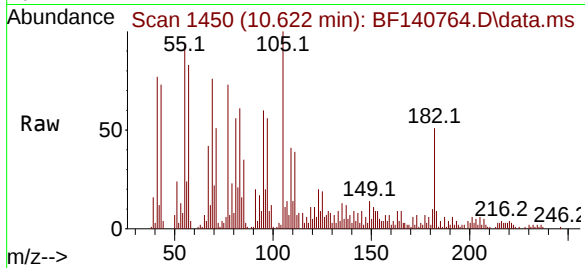




#63  
Azobenzene  
Concen: 2.440 ng  
RT: 10.622 min Scan# 1449  
Delta R.T. 0.006 min  
Lab File: BF140764.D  
Acq: 06 Dec 2024 14:14

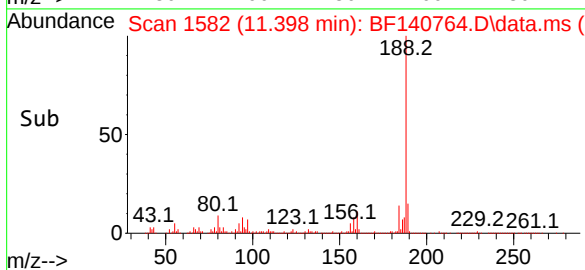
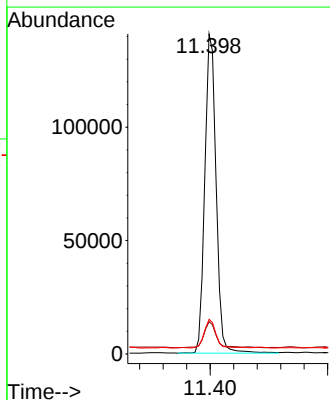
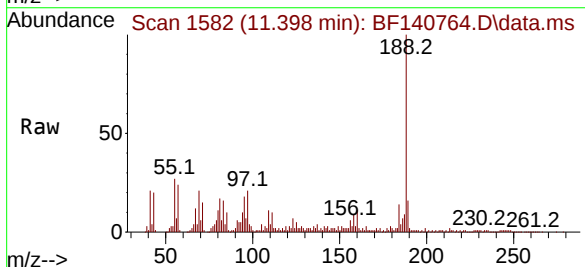
Instrument :  
BNA\_F  
ClientSampleId :  
LAW-OILY-STONES

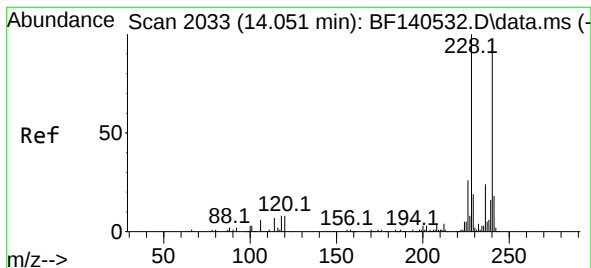
|             |             |
|-------------|-------------|
| Tgt Ion: 77 | Resp: 18518 |
| Ion Ratio   | Lower Upper |
| 77 100      |             |
| 182 69.0    | 5.3 45.3#   |
| 105 136.3   | 0.3 40.3#   |
| 51 33.2     | 9.4 49.4    |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 1582  
Delta R.T. -0.006 min  
Lab File: BF140764.D  
Acq: 06 Dec 2024 14:14

|              |              |
|--------------|--------------|
| Tgt Ion: 188 | Resp: 187301 |
| Ion Ratio    | Lower Upper  |
| 188 100      |              |
| 94 10.1      | 6.4 9.6#     |
| 80 10.8      | 6.9 10.3#    |





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF140764.D

Acq: 06 Dec 2024 14:14

Instrument :

BNA\_F

ClientSampleId :

LAW-OILY-STONES

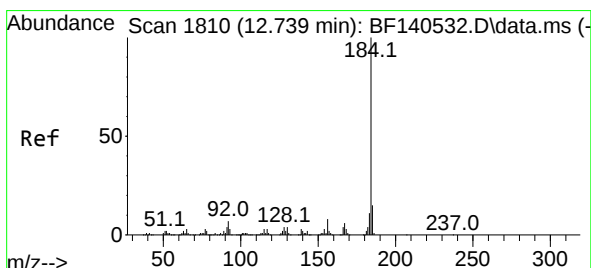
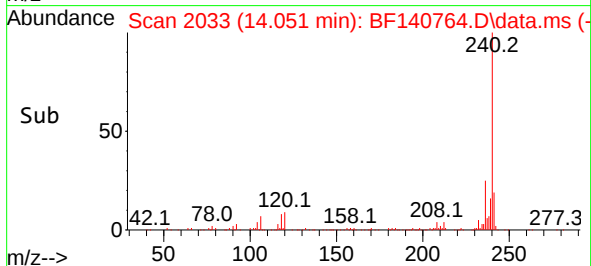
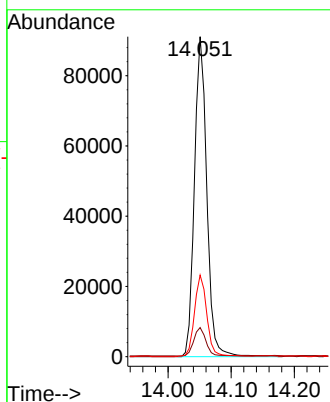
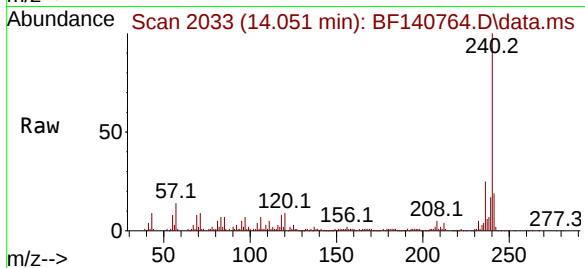
Tgt Ion:240 Resp: 123876

Ion Ratio Lower Upper

240 100

120 9.1 7.3 10.9

236 25.5 20.6 31.0



#77

Benzidine

Concen: 2.878 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.247 min

Lab File: BF140764.D

Acq: 06 Dec 2024 14:14

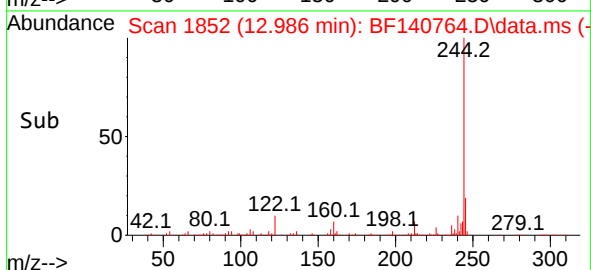
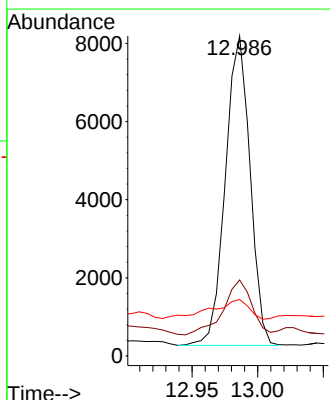
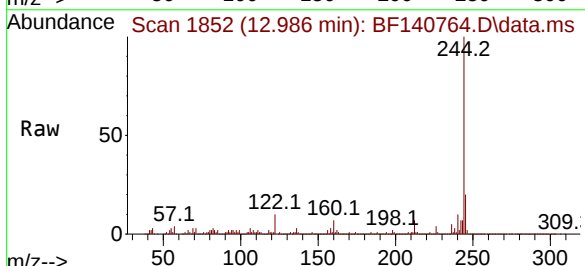
Tgt Ion:184 Resp: 10366

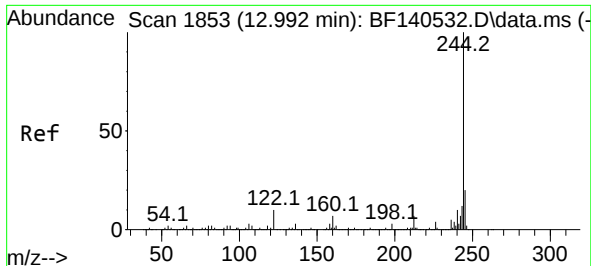
Ion Ratio Lower Upper

184 100

185 23.8 11.7 17.5#

183 17.7 8.8 13.2#

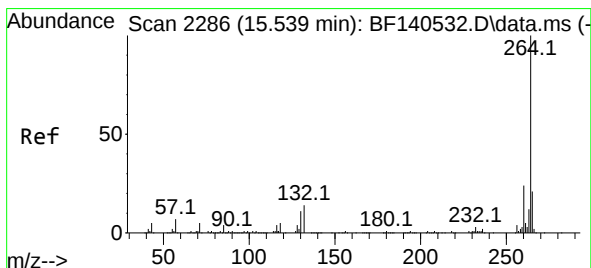
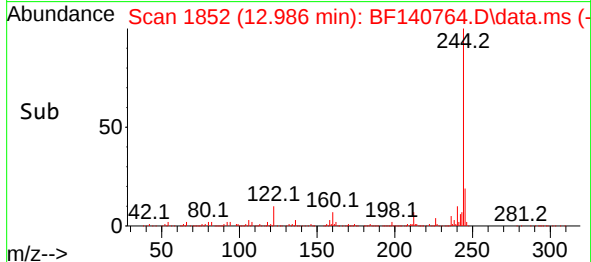
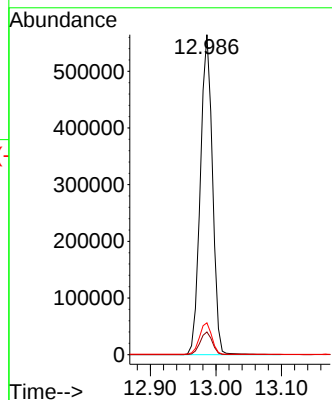
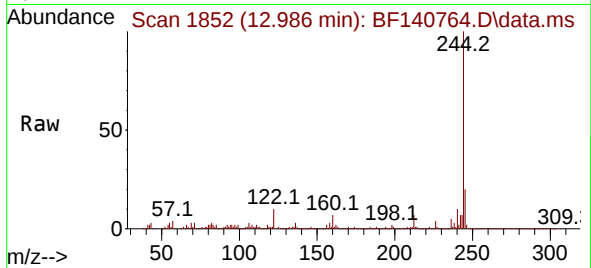




#79  
 Terphenyl-d14  
 Concen: 91.576 ng  
 RT: 12.986 min Scan# 1852  
 Delta R.T. -0.006 min  
 Lab File: BF140764.D  
 Acq: 06 Dec 2024 14:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LAW-OILY-STONES

Tgt Ion:244 Resp: 728524  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.8 8.8  
 122 10.0 8.0 12.0



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.551 min Scan# 2288  
 Delta R.T. 0.012 min  
 Lab File: BF140764.D  
 Acq: 06 Dec 2024 14:14

Tgt Ion:264 Resp: 139311  
 Ion Ratio Lower Upper  
 264 100  
 260 23.1 19.0 28.6  
 265 21.8 16.6 25.0

