

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011020\  
 Data File : BF118524.D  
 Acq On : 10 Jan 2020 19:39  
 Operator : JU  
 Sample : L1064-07  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-B

Quant Time: Jan 11 03:26:21 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 08 16:06:11 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.83  | 152  | 76758    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.12  | 136  | 337438   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.87  | 164  | 180764   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.37 | 188  | 267054   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 14.03 | 240  | 124746   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 15.52 | 264  | 221124   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.46  | 112  | 560435   | 120.53 | ng    | 0.02     |
| 7) Phenol-d6                | 6.47  | 99   | 649626   | 116.86 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 498657   | 77.63  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.67 | 330  | 284977   | 133.60 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.19  | 172  | 1103173  | 87.53  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.96 | 244  | 1158498  | 147.17 | ng    | 0.00     |

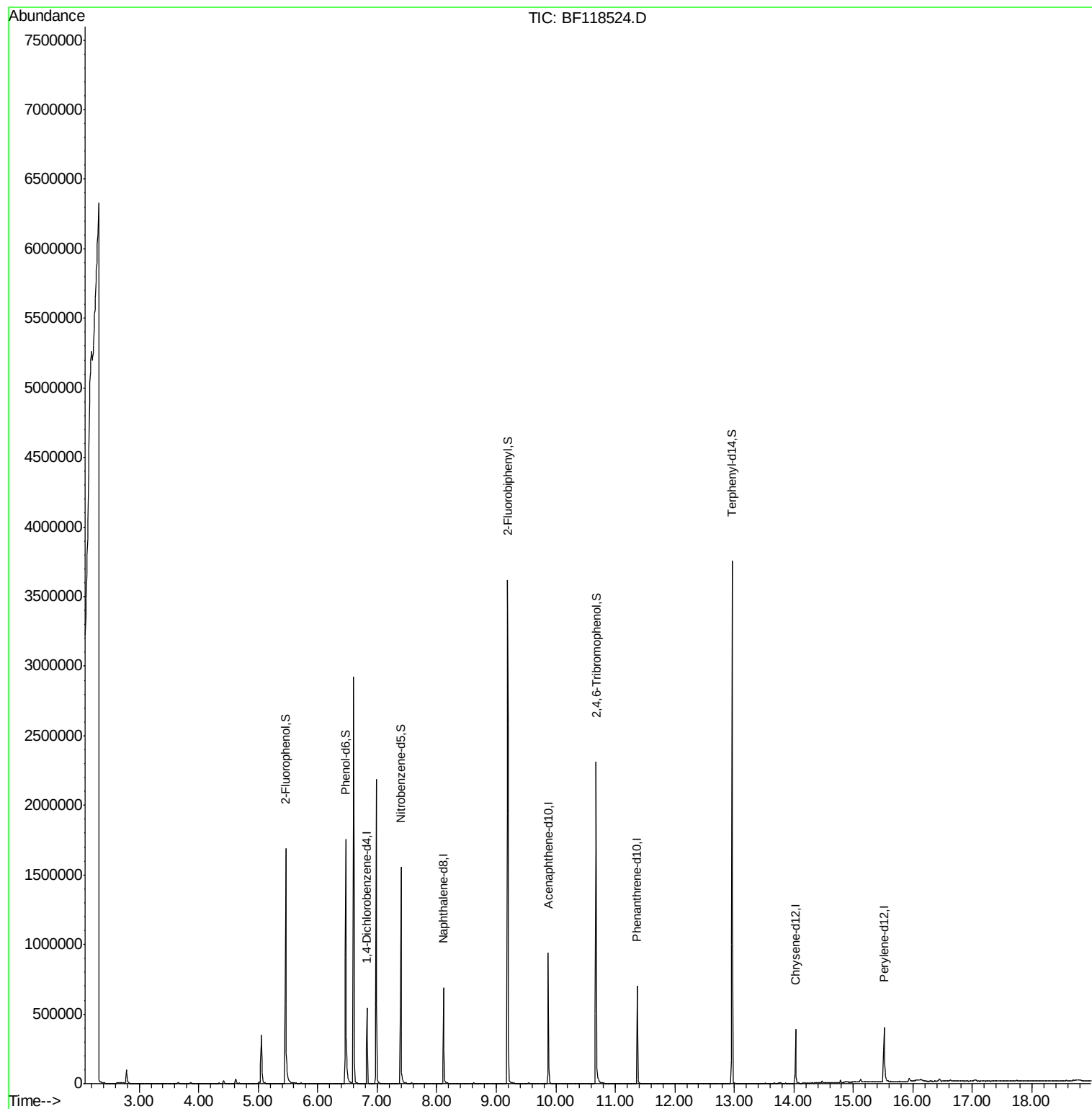
Target Compounds Qvalue

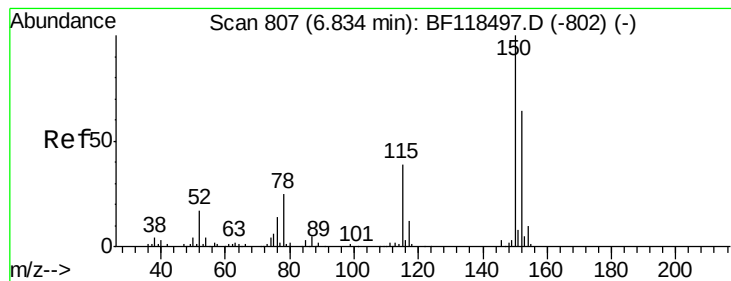
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011020\  
Data File : BF118524.D  
Acq On : 10 Jan 2020 19:39  
Operator : JU  
Sample : L1064-07  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-B

Quant Time: Jan 11 03:26:21 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jan 08 16:06:11 2020  
Response via : Initial Calibration



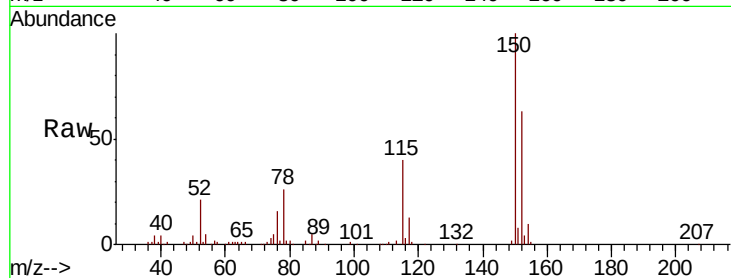


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.83 min Scan# 806  
 Delta R.T. -0.01 min  
 Lab File: BF118524.D  
 Acq: 10 Jan 2020 19:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.9 | 124.7 | 187.1 |
| 115     | 63.1  | 49.0  | 73.6  |

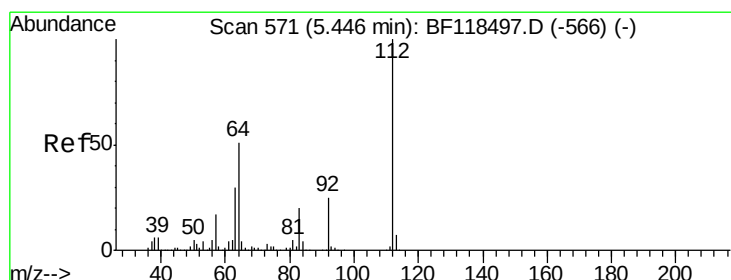
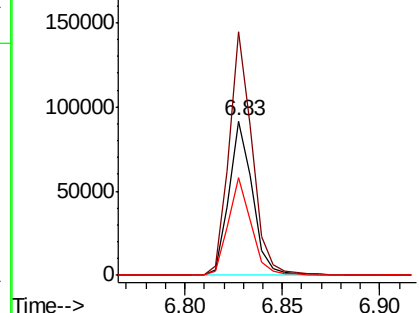
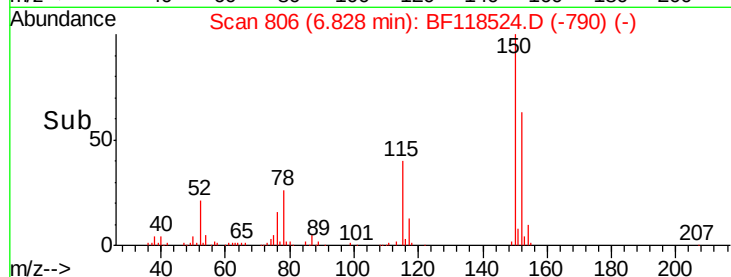


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

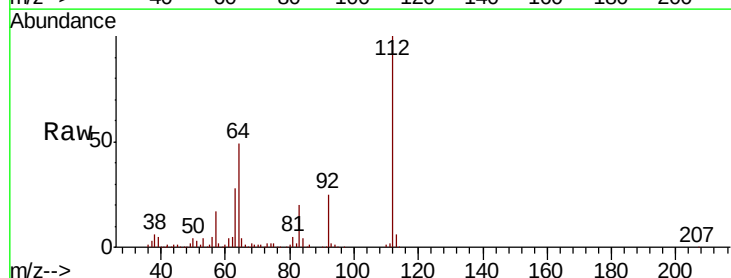
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
 Concen: 120.527 ng  
 RT: 5.46 min Scan# 574  
 Delta R.T. 0.02 min  
 Lab File: BF118524.D  
 Acq: 10 Jan 2020 19:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 49.3  | 41.1  | 61.7  |
| 63      | 28.4  | 24.1  | 36.1  |

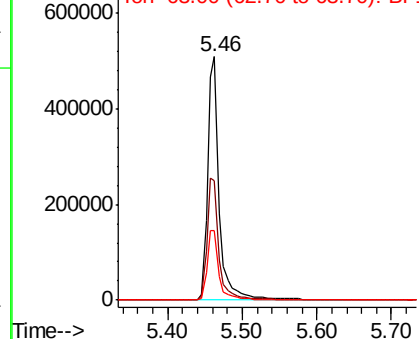
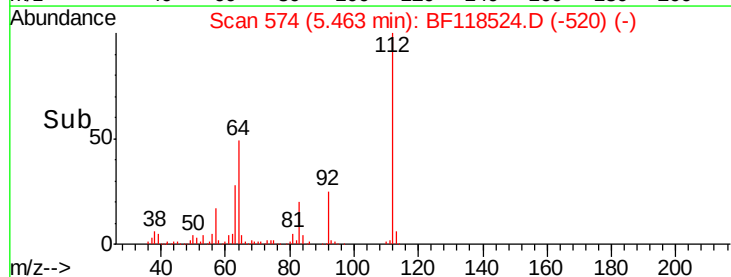


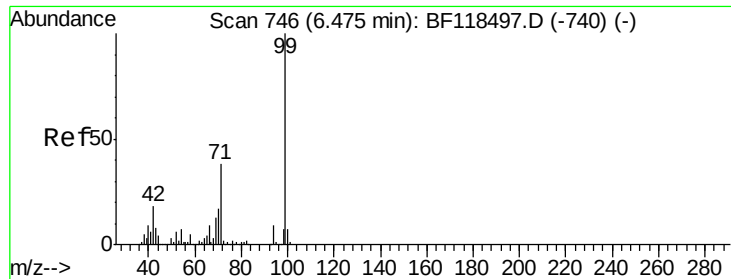
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 116.856 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF118524.D

Acq: 10 Jan 2020 19:39

Instrument :

BNA\_F

ClientSampleId :

SOIL-B

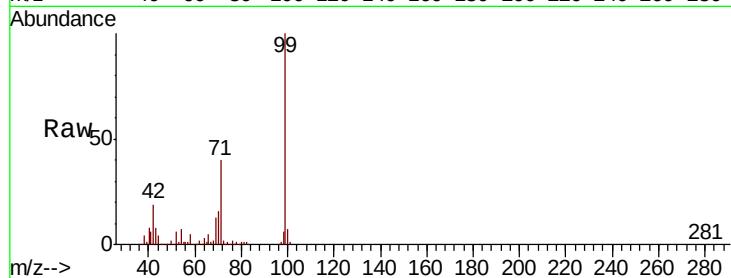
Tot Ion: 99 Resp: 649626

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

71 39.9 30.6 45.8

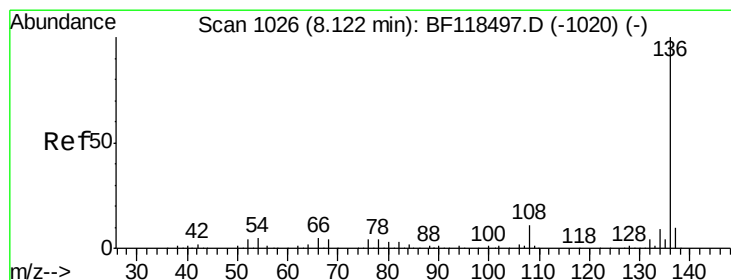
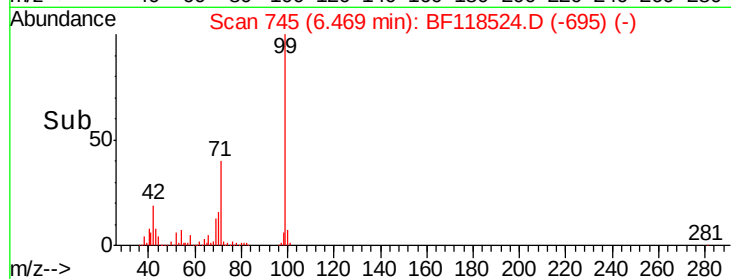
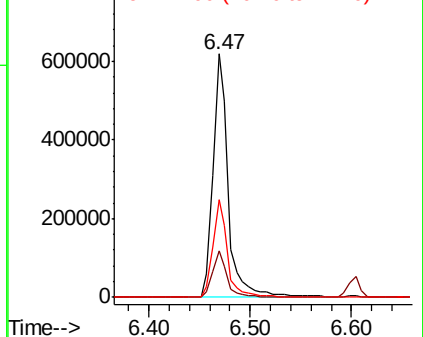


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF118524.D

Acq: 10 Jan 2020 19:39

Tgt Ion: 136 Resp: 337438

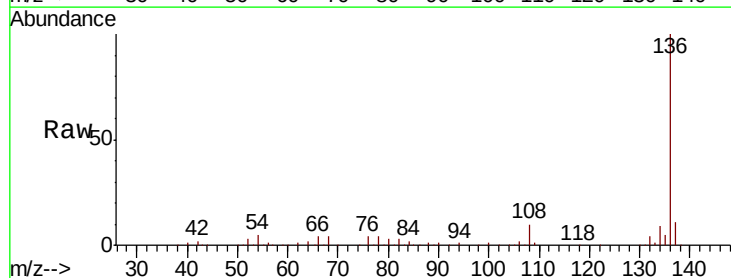
Ion Ratio Lower Upper

136 100

137 11.1 8.3 12.5

54 5.3 4.2 6.2

68 4.2 3.3 4.9



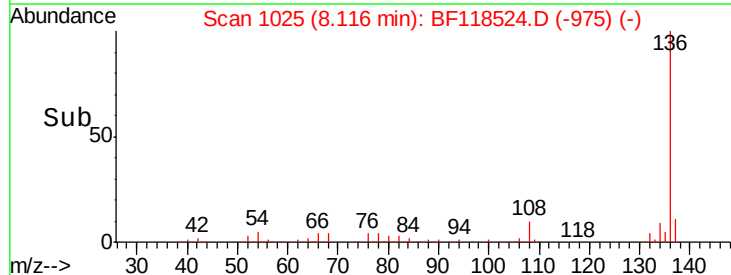
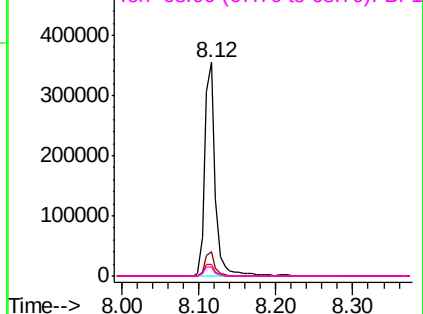
Abundance

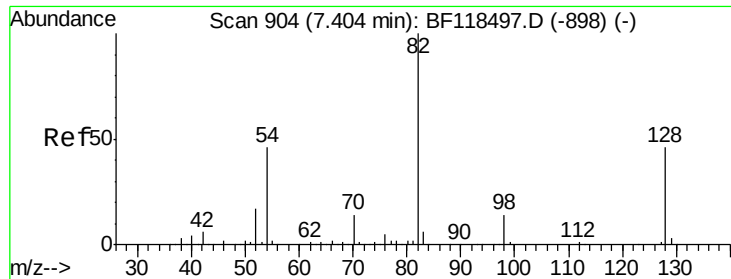
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

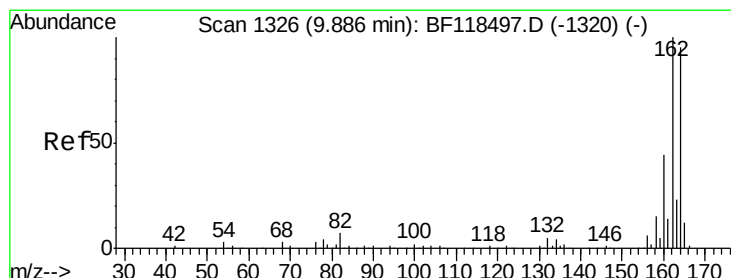
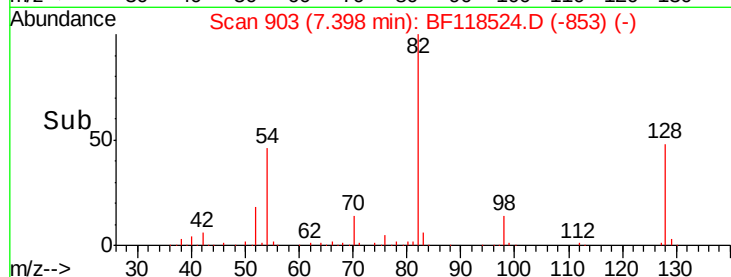
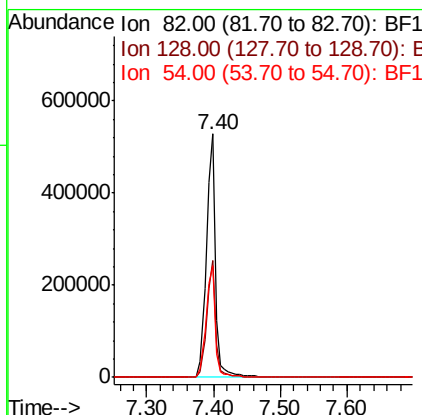
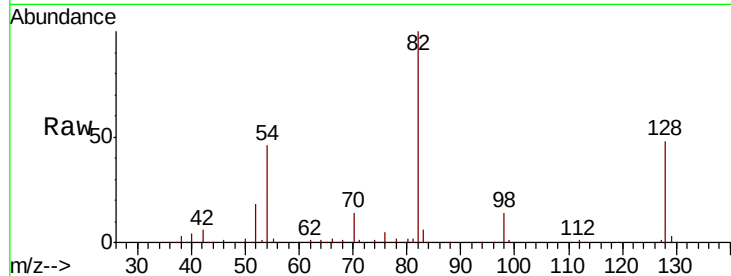




#23  
 Nitrobenzene-d5  
 Concen: 77.629 ng  
 RT: 7.40 min Scan# 903  
 Delta R.T. -0.01 min  
 Lab File: BF118524.D  
 Acq: 10 Jan 2020 19:39

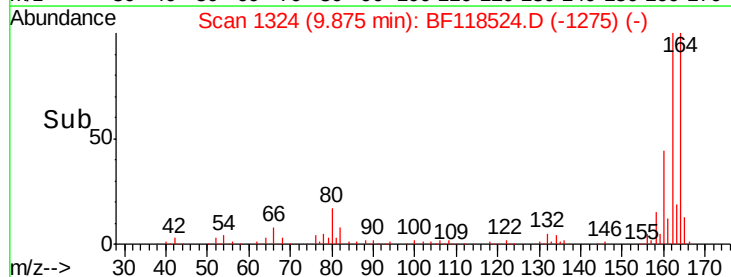
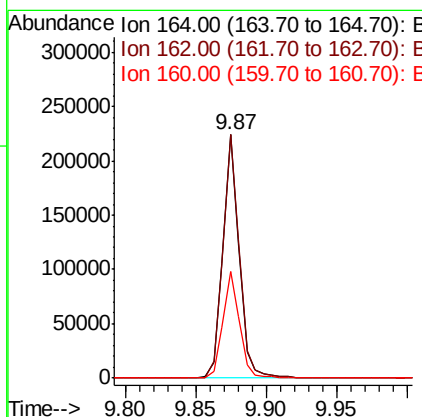
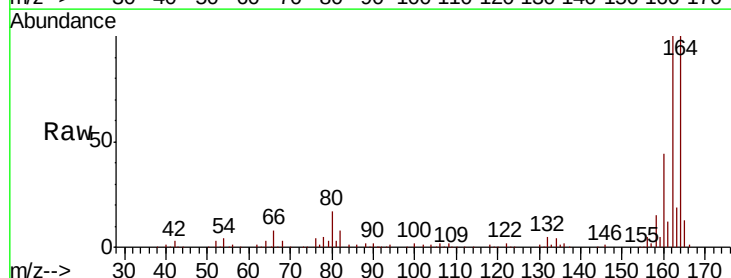
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-B

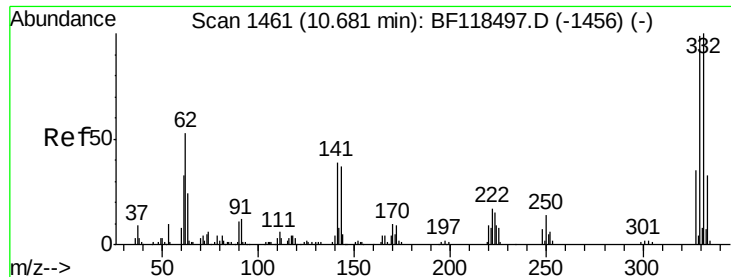
| Tot Ion   | 82    | Resp  | 498657 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 48.0  | 36.6  | 54.8   |
| 54        | 45.7  | 37.0  | 55.6   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.87 min Scan# 1324  
 Delta R.T. -0.01 min  
 Lab File: BF118524.D  
 Acq: 10 Jan 2020 19:39

| Tgt Ion   | 164   | Resp  | 180764 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 100.1 | 84.2  | 126.4  |
| 160       | 44.1  | 36.8  | 55.2   |





#42

2,4,6-Tribromophenol

Concen: 133.605 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF118524.D

Acq: 10 Jan 2020 19:39

Instrument :

BNA\_F

ClientSampleId :

SOIL-B

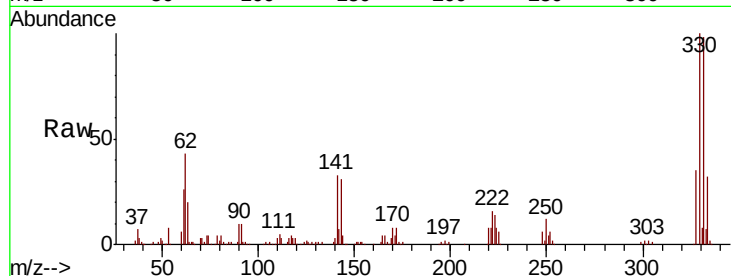
Tot Ion:330 Resp: 284977

Ion Ratio Lower Upper

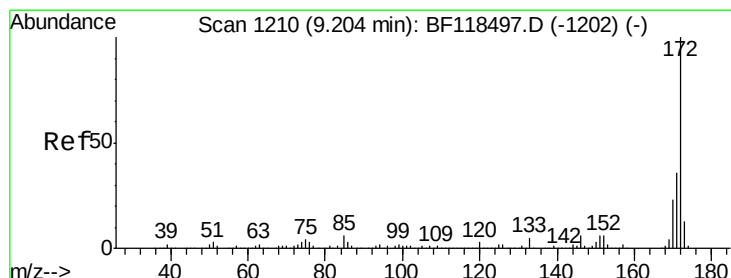
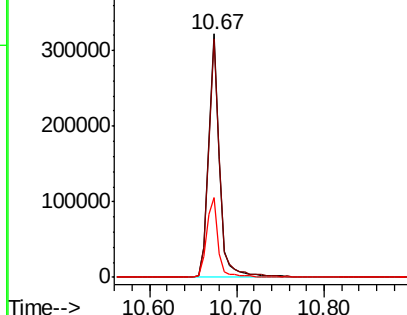
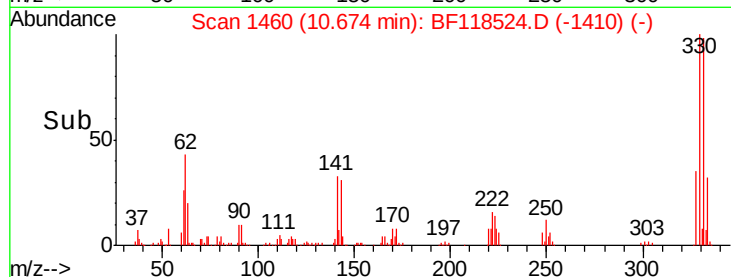
330 100

332 98.5 77.9 116.9

141 34.6 28.6 43.0



Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 87.527 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF118524.D

Acq: 10 Jan 2020 19:39

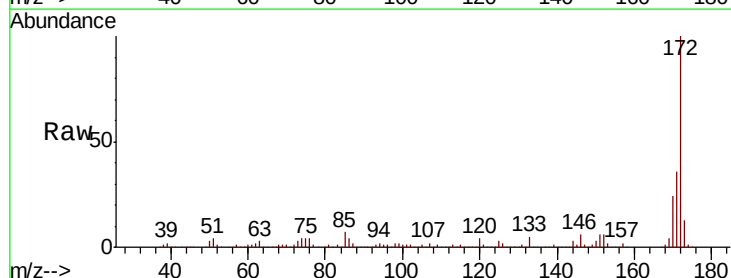
Tgt Ion:172 Resp: 1103173

Ion Ratio Lower Upper

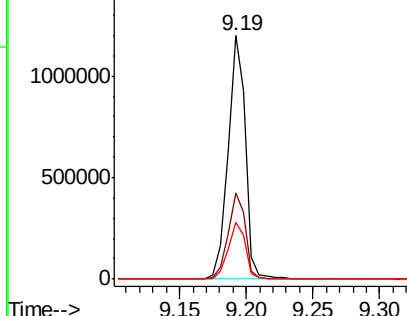
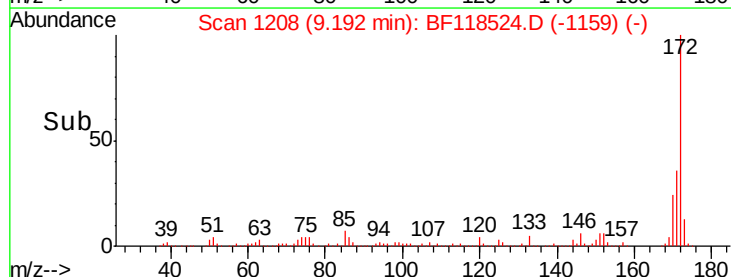
172 100

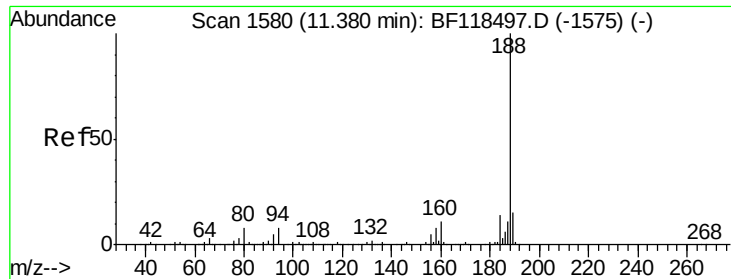
171 35.6 28.6 42.8

170 23.5 18.6 27.8



Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF118524.D

Acq: 10 Jan 2020 19:39

Instrument :

BNA\_F

ClientSampleId :

SOIL-B

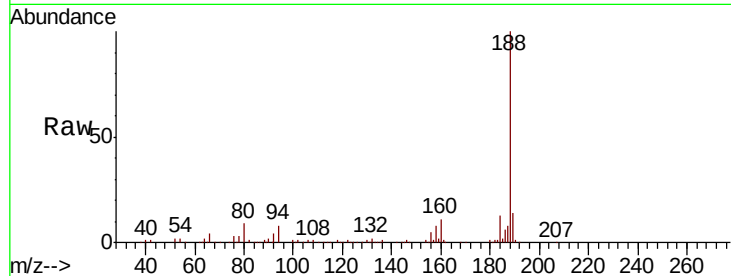
Tot Ion:188 Resp: 267054

Ion Ratio Lower Upper

188 100

94 8.4 6.2 9.4

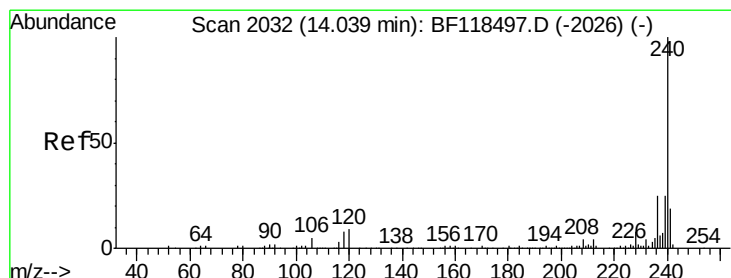
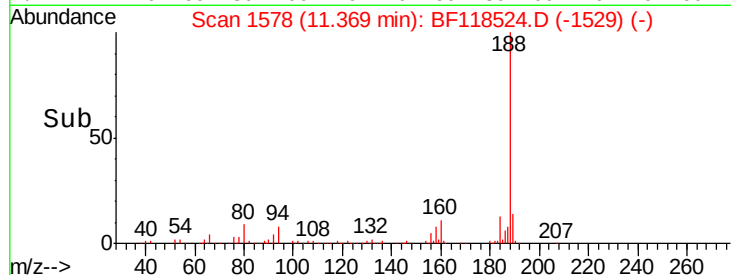
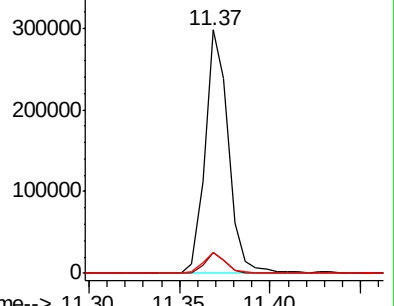
80 8.8 6.6 10.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF118524.D

Acq: 10 Jan 2020 19:39

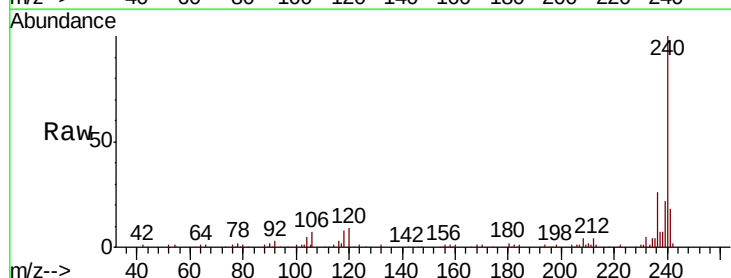
Tgt Ion:240 Resp: 124746

Ion Ratio Lower Upper

240 100

120 9.0 7.0 10.6

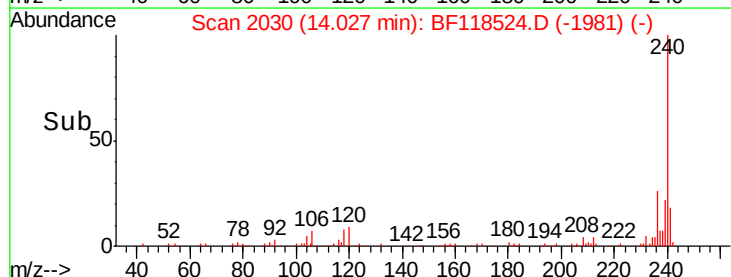
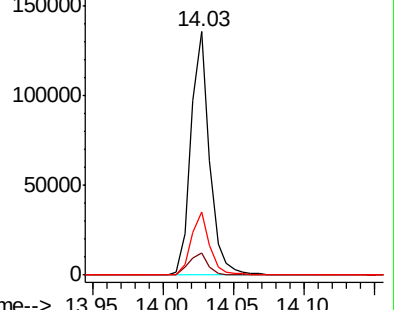
236 25.9 20.1 30.1

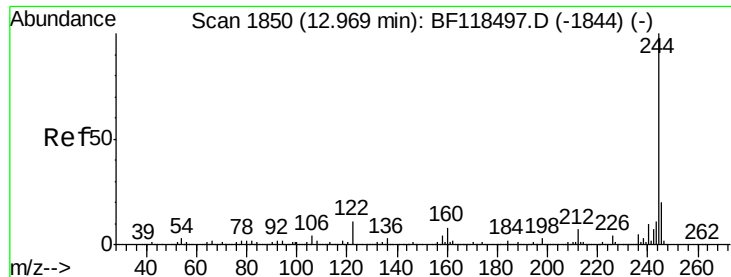


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 147.167 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF118524.D

Acq: 10 Jan 2020 19:39

Instrument :

BNA\_F

ClientSampleId :

SOIL-B

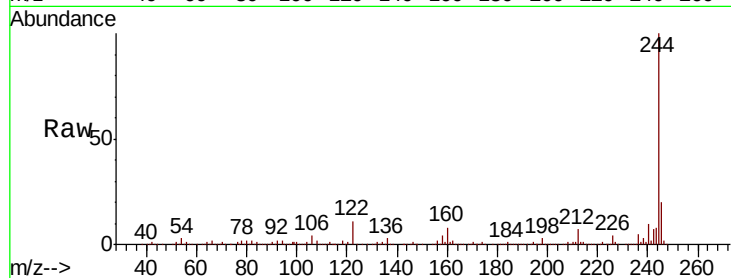
Tot Ion:244 Resp: 1158498

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

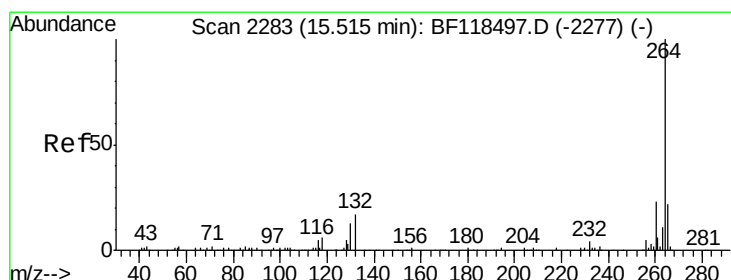
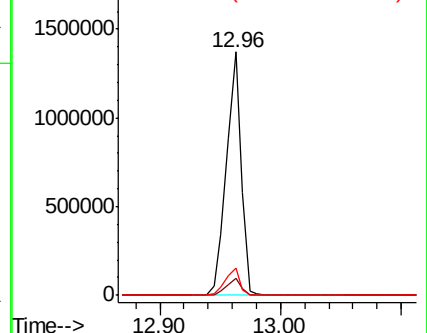
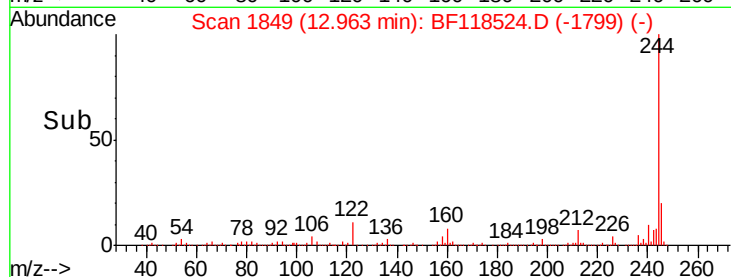
122 11.4 9.0 13.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BF118524.D

Acq: 10 Jan 2020 19:39

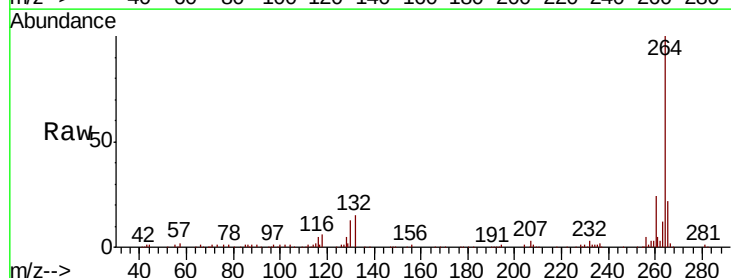
Tgt Ion:264 Resp: 221124

Ion Ratio Lower Upper

264 100

260 24.4 18.8 28.2

265 22.0 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

