

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100118\  
 Data File : BF109484.D  
 Acq On : 1 Oct 2018 20:24  
 Operator : JU/SJ  
 Sample : J5170-19  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HC-SOIL-4

Quant Time: Oct 02 04:20:18 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 22 13:32:18 2018  
 Response via : Initial Calibration

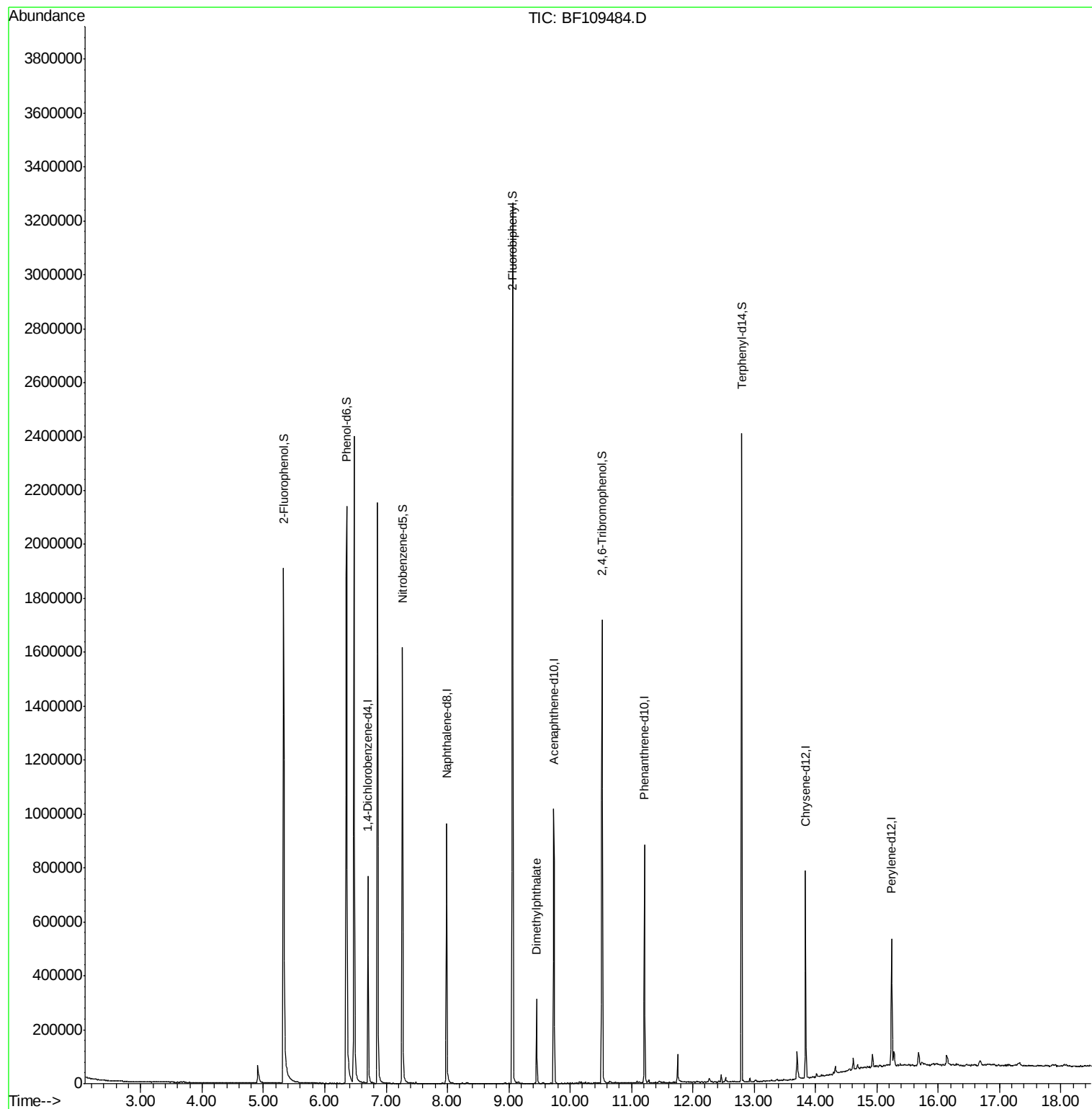
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 117079   | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 7.99  | 136  | 437197   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 9.73  | 164  | 200632   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 11.21 | 188  | 343354   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 13.84 | 240  | 251968   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 15.24 | 264  | 209531   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.33  | 112  | 700431   | 98.54  | ng    | 0.01         |
| 7) Phenol-d6                | 6.36  | 99   | 883927   | 97.45  | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.27  | 82   | 557462   | 75.27  | ng    | -0.01        |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330  | 209252   | 105.80 | ng    | -0.01        |
| 44) 2-Fluorobiphenyl        | 9.06  | 172  | 1012852  | 76.14  | ng    | -0.01        |
| 78) Terphenyl-d14           | 12.80 | 244  | 806755   | 78.58  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 9.46  | 163  | 130999   | 8.977  | ng    | Qvalue<br>99 |

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

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Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HC-SOIL-4

Quant Time: Oct 02 04:20:18 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Sep 22 13:32:18 2018  
Response via : Initial Calibration



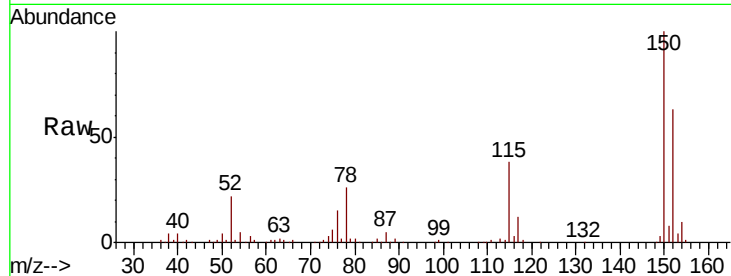


#1

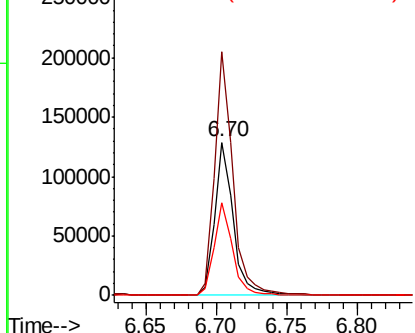
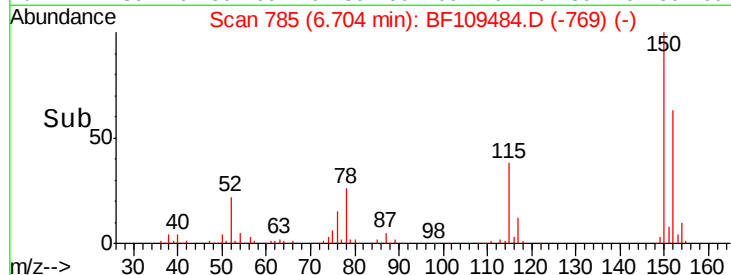
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF109484.D  
Acq: 1 Oct 2018 20:24

Instrument :  
BNA\_F  
ClientSampleId :  
HC-SOIL-4

Tot Ion:152 Resp: 117079  
Ion Ratio Lower Upper  
152 100  
150 158.9 124.6 186.8  
115 60.3 50.1 75.1



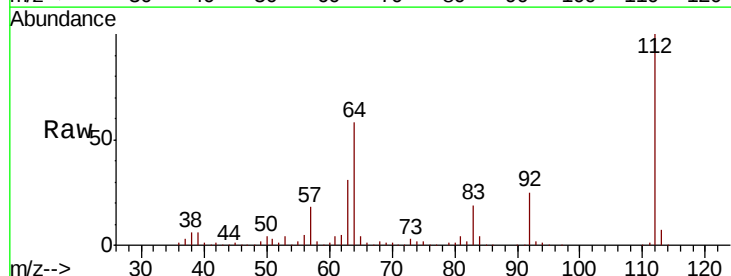
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



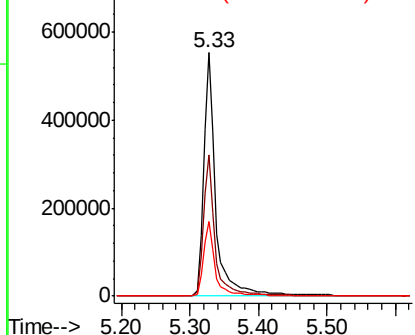
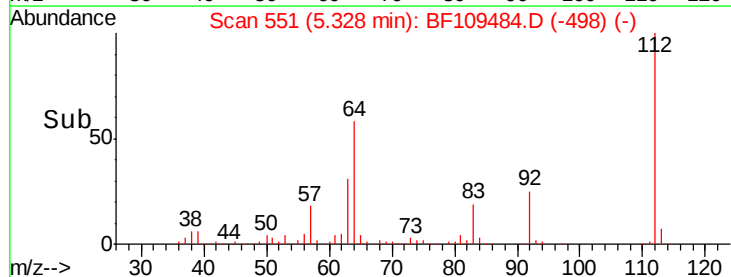
#5

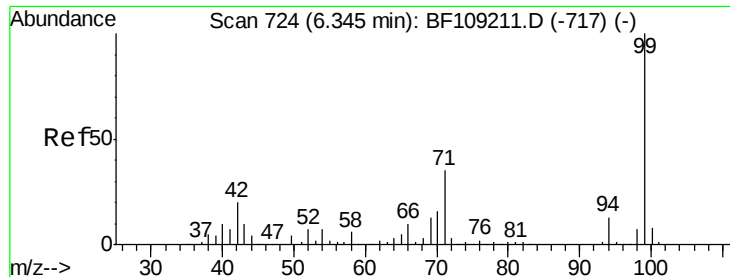
2-Fluorophenol  
Concen: 98.537 ng  
RT: 5.33 min Scan# 551  
Delta R.T. 0.01 min  
Lab File: BF109484.D  
Acq: 1 Oct 2018 20:24

Tgt Ion:112 Resp: 700431  
Ion Ratio Lower Upper  
112 100  
64 57.9 47.9 71.9  
63 30.6 23.7 35.5



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: 97.451 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF109484.D

Acq: 1 Oct 2018 20:24

Instrument :

BNA\_F

ClientSampleId :

HC-SOIL-4

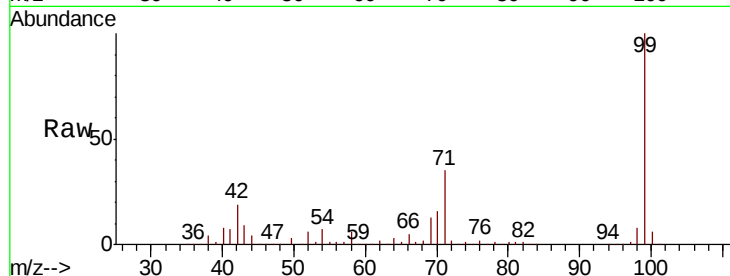
Tot Ion: 99 Resp: 883927

Ion Ratio Lower Upper

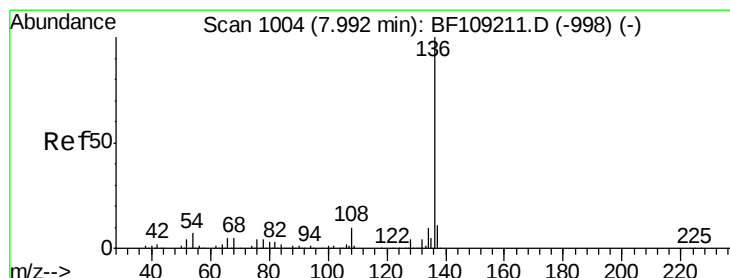
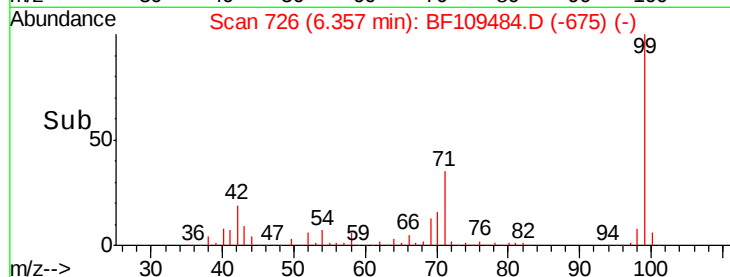
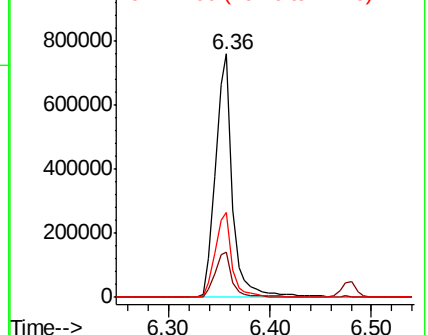
99 100

42 18.8 14.5 21.7

71 34.9 25.4 38.0



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: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109484.D

Acq: 1 Oct 2018 20:24

Tgt Ion: 136 Resp: 437197

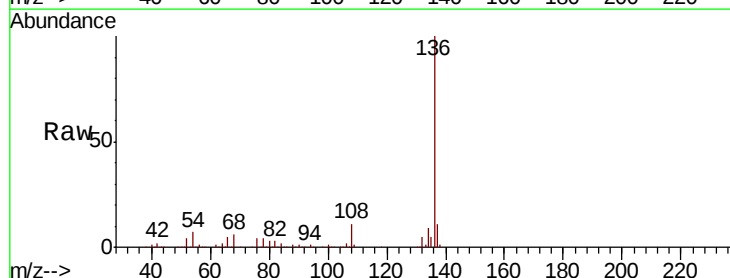
Ion Ratio Lower Upper

136 100

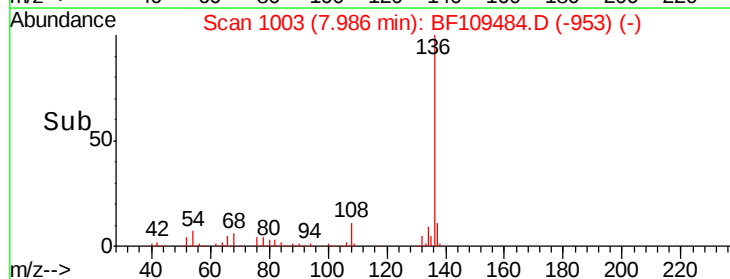
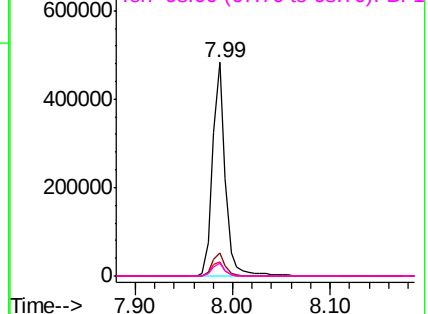
137 11.0 8.9 13.3

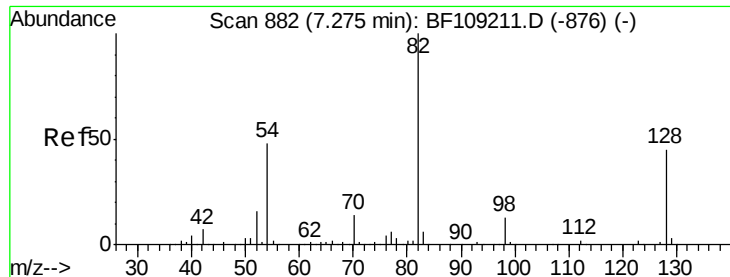
54 6.8 6.6 9.8

68 5.7 5.0 7.4



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

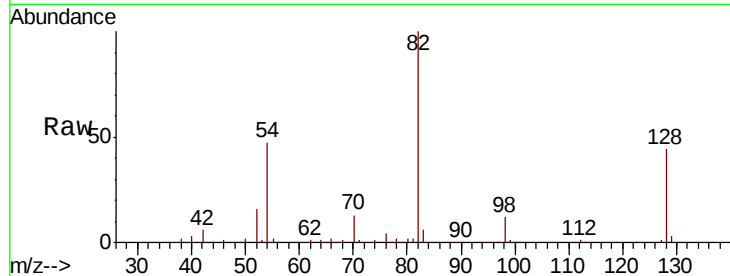




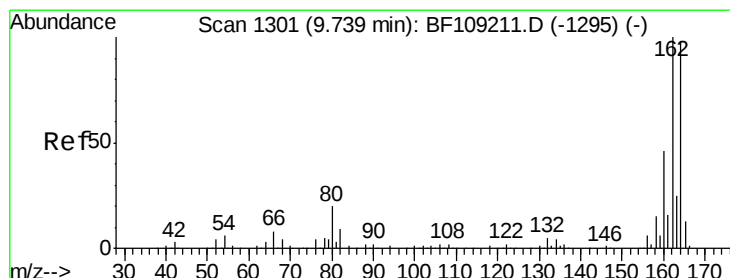
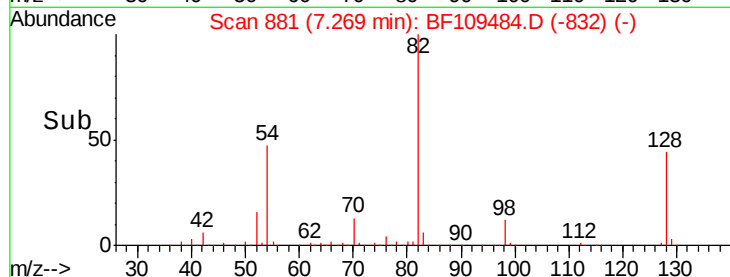
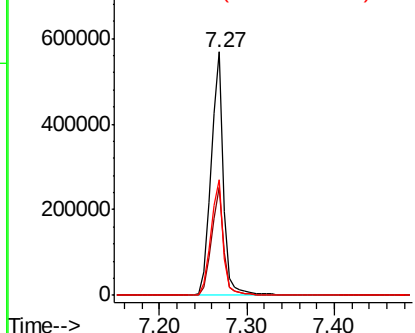
#23  
 Nitrobenzene-d5  
 Concen: 75.270 ng  
 RT: 7.27 min Scan# 881  
 Delta R.T. -0.01 min  
 Lab File: BF109484.D  
 Acq: 1 Oct 2018 20:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HC-SOIL-4

| Tot Ion   | 82   | Resp | 557462 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 36.1 |      |        |
| Upper     | 54.1 |      |        |
| 54        | 47.4 | 41.4 | 62.2   |

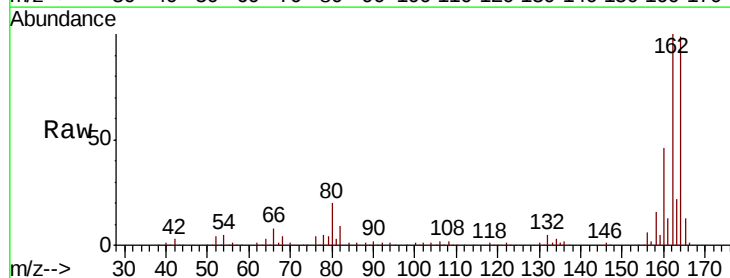


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

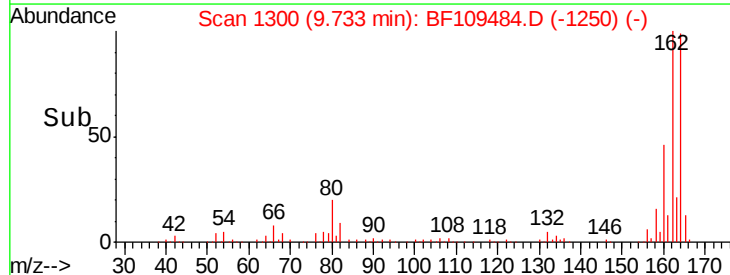
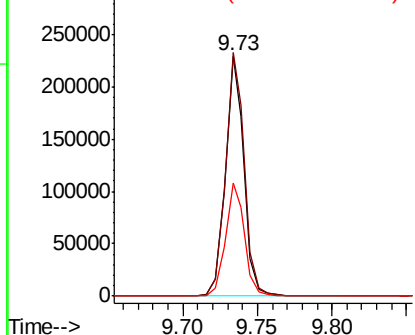


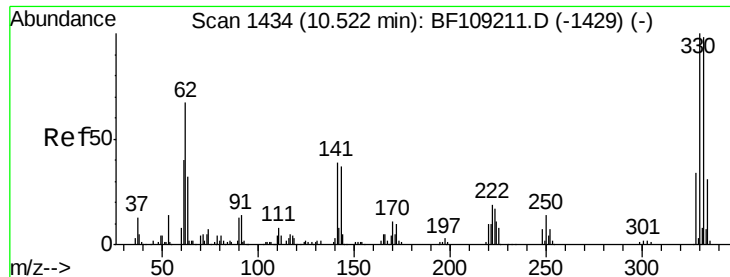
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.73 min Scan# 1300  
 Delta R.T. -0.01 min  
 Lab File: BF109484.D  
 Acq: 1 Oct 2018 20:24

| Tgt Ion   | 164   | Resp | 200632 |
|-----------|-------|------|--------|
| Ion Ratio | 100   |      |        |
| Lower     | 86.1  |      |        |
| Upper     | 129.1 |      |        |
| 162       | 101.4 | 38.3 | 57.5   |



Abundance Ion 164.00 (163.70 to 164.70): BF1  
 Ion 162.00 (161.70 to 162.70): BF1  
 Ion 160.00 (159.70 to 160.70): BF1

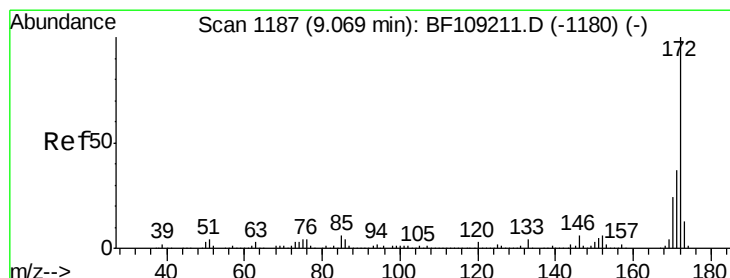
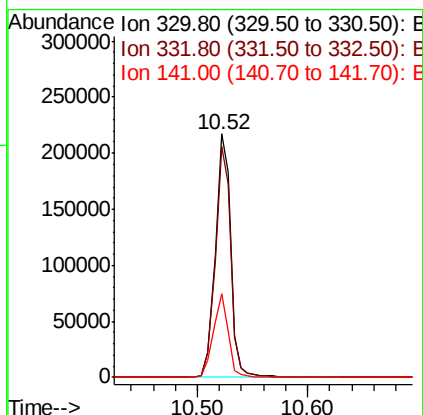
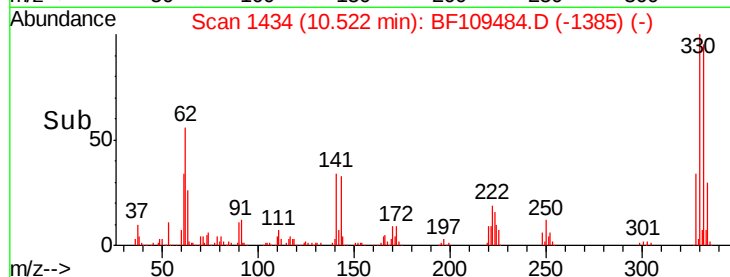
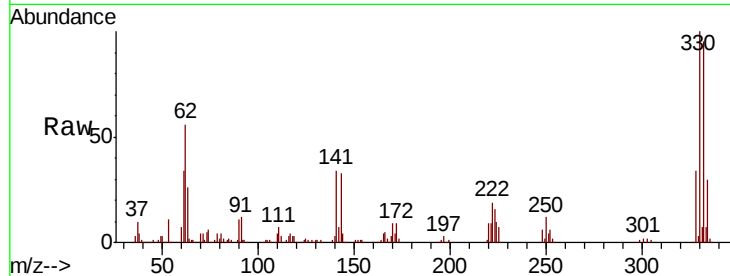




#41  
 2,4,6-Tribromophenol  
 Concen: 105.800 ng  
 RT: 10.52 min Scan# 1434  
 Delta R.T. -0.01 min  
 Lab File: BF109484.D  
 Acq: 1 Oct 2018 20:24

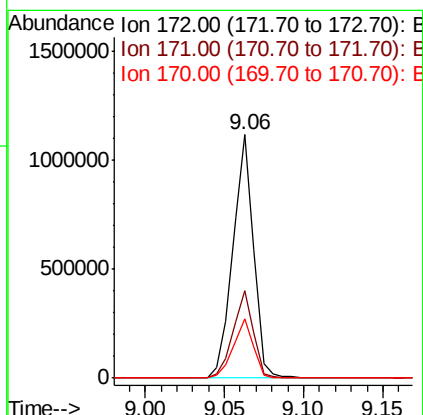
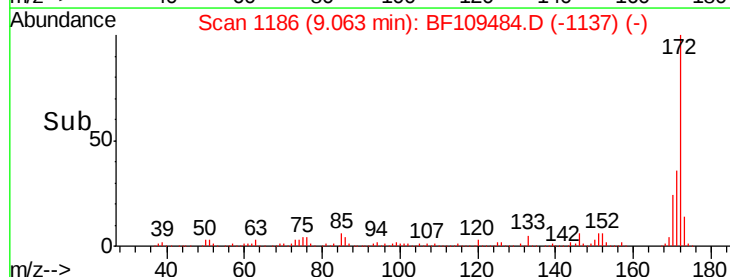
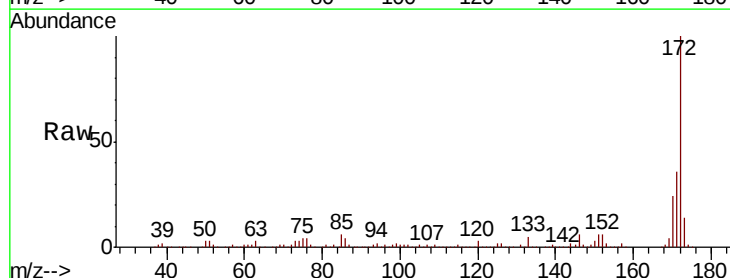
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HC-SOIL-4

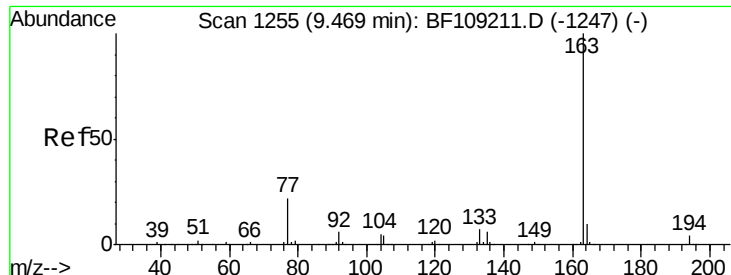
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.9  | 77.0  | 115.6 |
| 141     | 32.7  | 29.9  | 44.9  |



#44  
 2-Fluorobiphenyl  
 Concen: 76.138 ng  
 RT: 9.06 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: BF109484.D  
 Acq: 1 Oct 2018 20:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.7  | 44.5  |
| 170     | 24.3  | 19.6  | 29.4  |





#49

Dimethylphthalate

Concen: 8.977 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF109484.D

Acq: 1 Oct 2018 20:24

Instrument :

BNA\_F

ClientSampleId :

HC-SOIL-4

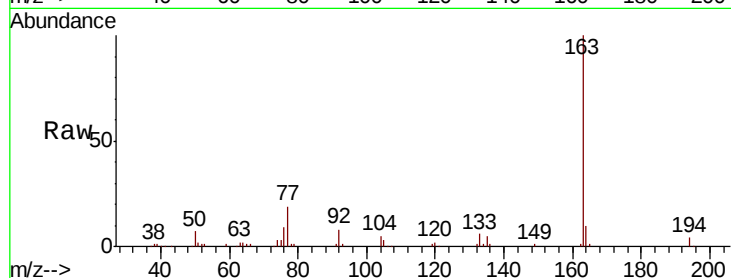
Tot Ion:163 Resp: 130999

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

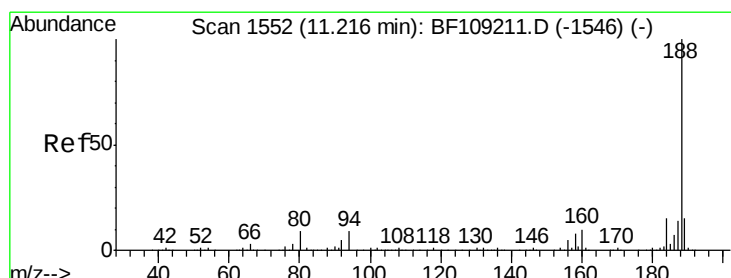
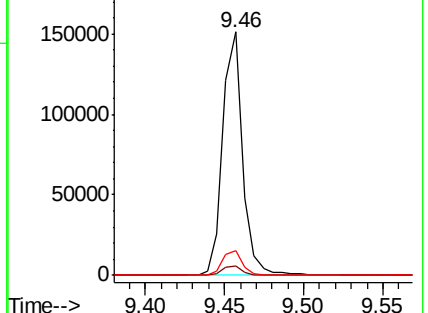
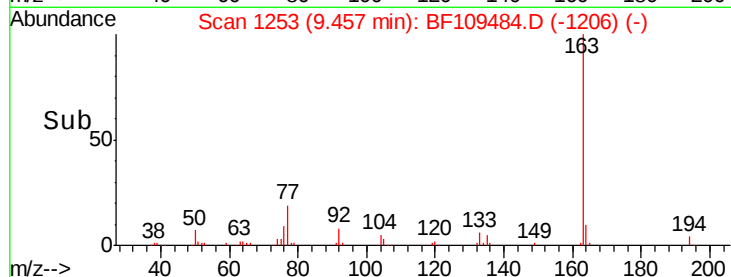
164 9.9 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF109484.D

Acq: 1 Oct 2018 20:24

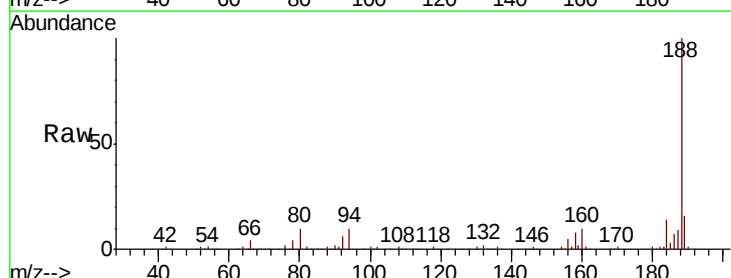
Tgt Ion:188 Resp: 343354

Ion Ratio Lower Upper

188 100

94 10.3 8.5 12.7

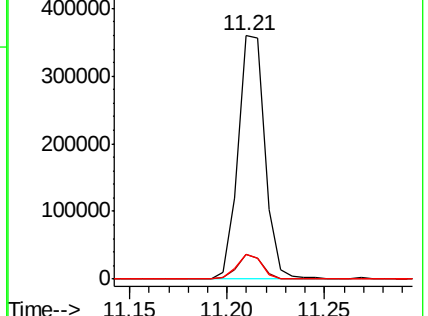
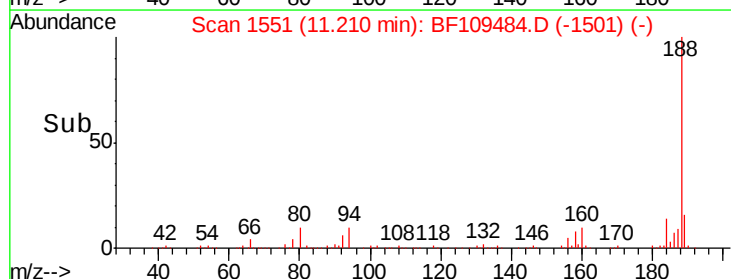
80 10.4 9.2 13.8

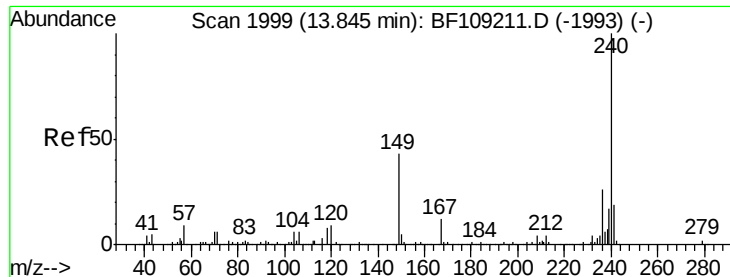


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109484.D

Acq: 1 Oct 2018 20:24

Instrument :

BNA\_F

ClientSampleId :

HC-SOIL-4

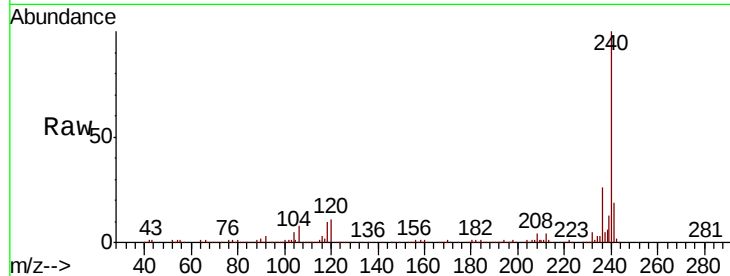
Tot Ion:240 Resp: 251968

Ion Ratio Lower Upper

240 100

120 11.4 9.5 14.3

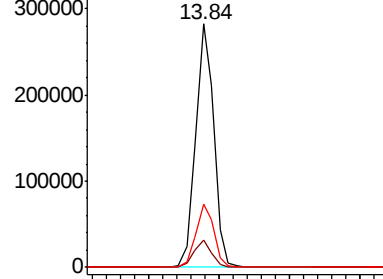
236 25.9 20.7 31.1



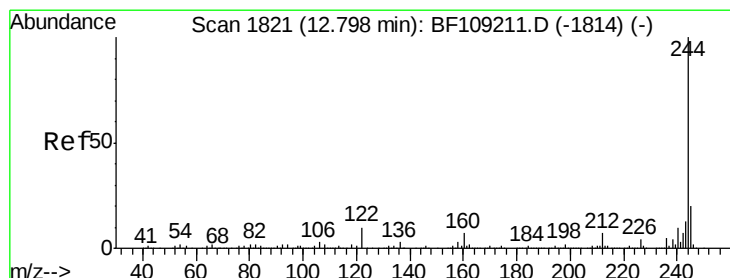
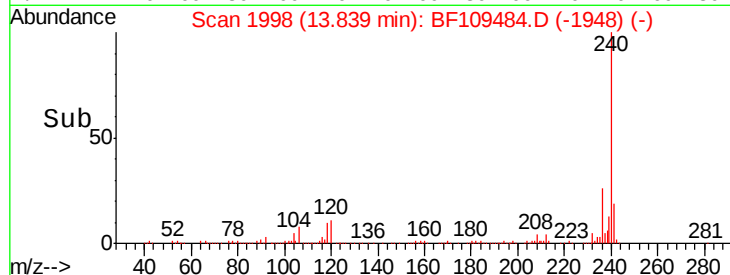
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.80 13.85 13.90 13.95



#78

Terphenyl-d14

Concen: 78.578 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109484.D

Acq: 1 Oct 2018 20:24

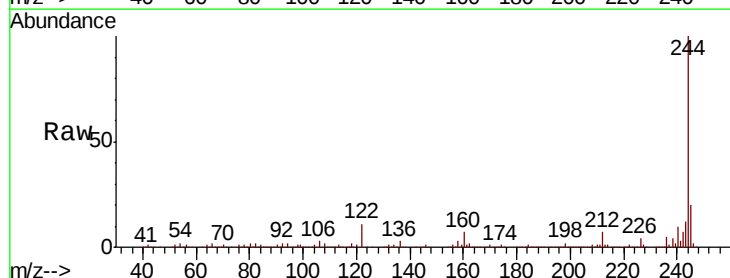
Tgt Ion:244 Resp: 806755

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

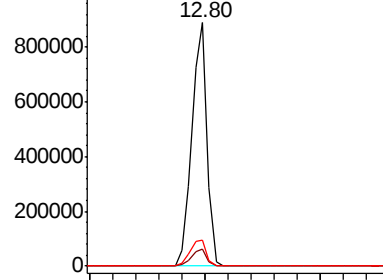
122 10.6 11.0 16.4#



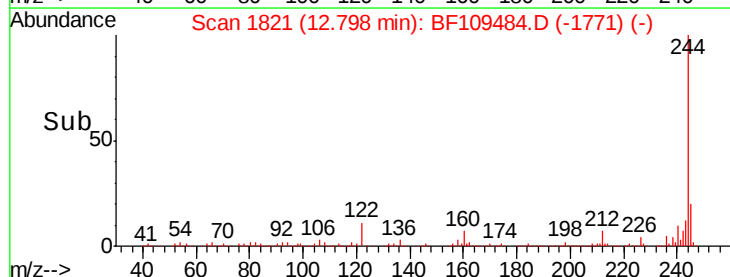
Abundance Ion 244.00 (243.70 to 244.70): E

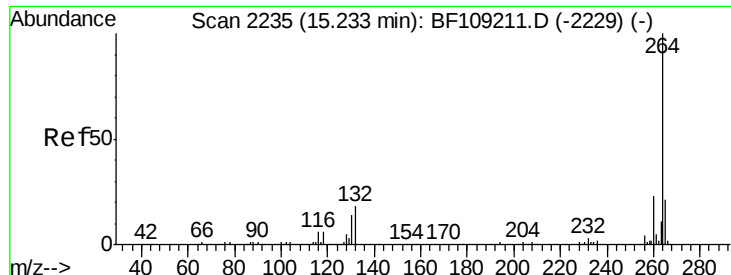
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 12.70 12.80 12.90





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.24 min Scan# 2237  
Delta R.T. 0.01 min  
Lab File: BF109484.D  
Acq: 1 Oct 2018 20:24

Instrument :  
BNA\_F  
ClientSampleId :  
HC-SOIL-4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.0  | 19.2  | 28.8  |
| 265     | 21.3  | 17.5  | 26.3  |

