

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030719\  
 Data File : BF112926.D  
 Acq On : 7 Mar 2019 17:28  
 Operator : JU/SJ  
 Sample : K1780-04  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-A

Quant Time: Mar 08 00:58:42 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 01 15:40:43 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.73  | 152  | 188905   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.01  | 136  | 760278   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.76  | 164  | 377396   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.24 | 188  | 798453   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.86 | 240  | 750620   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 15.26 | 264  | 668918   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.35  | 112  | 1193601  | 98.29  | ng    | 0.00     |
| 7) Phenol-d6                | 6.37  | 99   | 1386593  | 90.90  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 1054884  | 83.03  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.55 | 330  | 590674   | 147.43 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.09  | 172  | 2026481  | 90.52  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.82 | 244  | 2424567  | 62.62  | ng    | 0.00     |

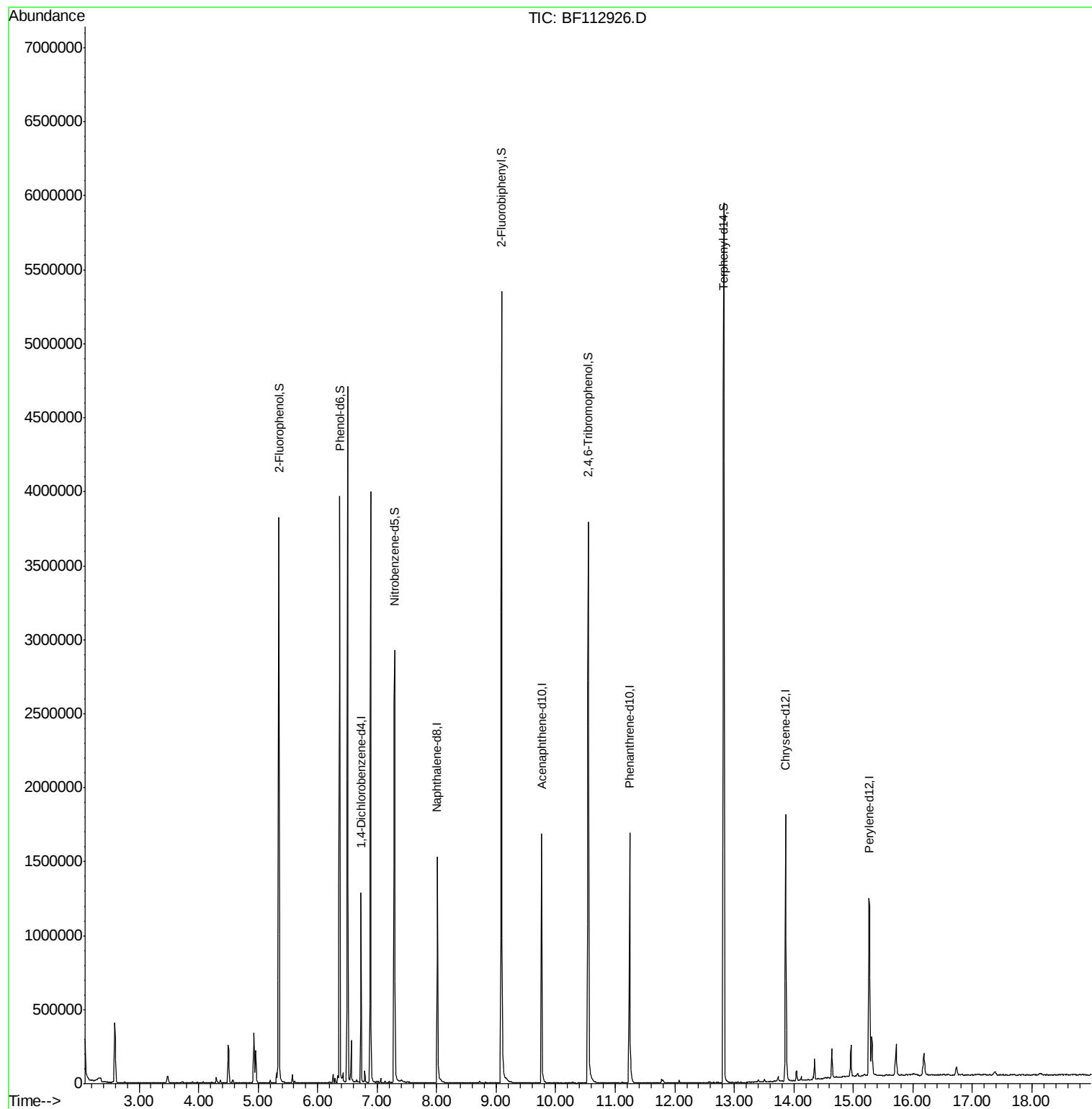
Target Compounds Qvalue

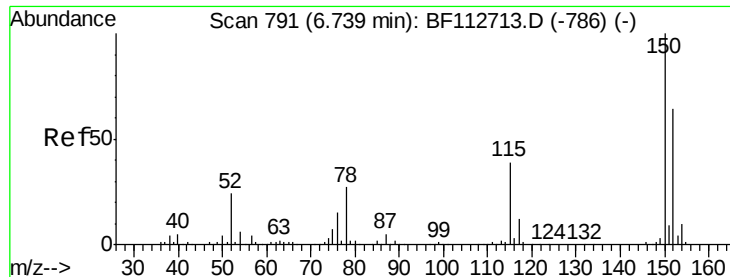
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
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Response via : Initial Calibration



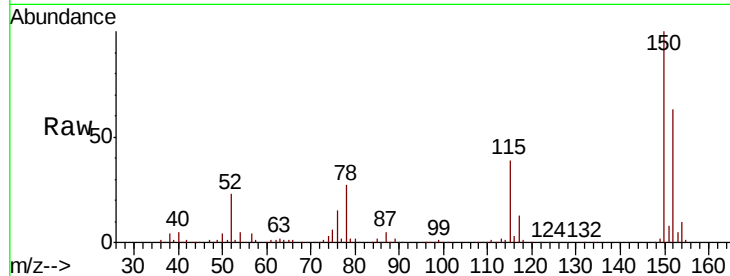


#1

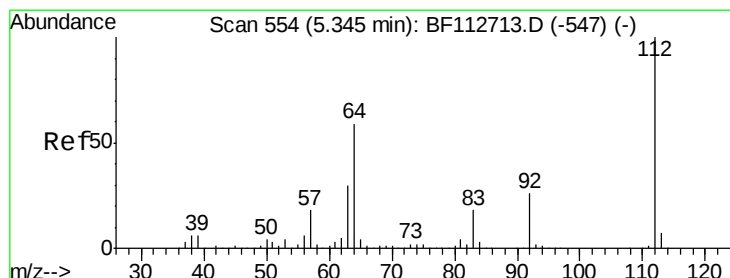
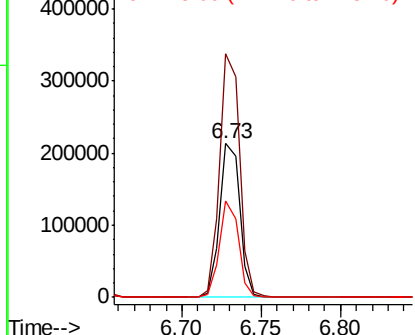
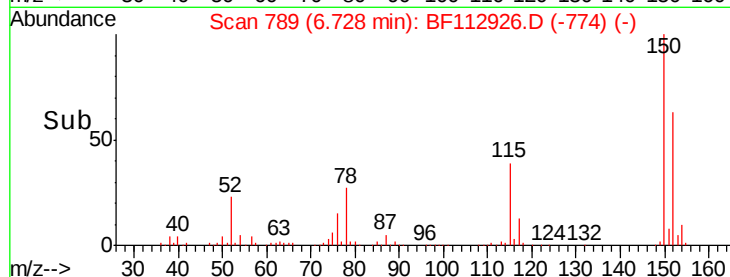
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.73 min Scan# 789  
Delta R.T. -0.01 min  
Lab File: BF112926.D  
Acq: 7 Mar 2019 17:28

Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-A

Tot Ion:152 Resp: 188905  
Ion Ratio Lower Upper  
152 100  
150 158.5 124.2 186.2  
115 62.5 48.2 72.4



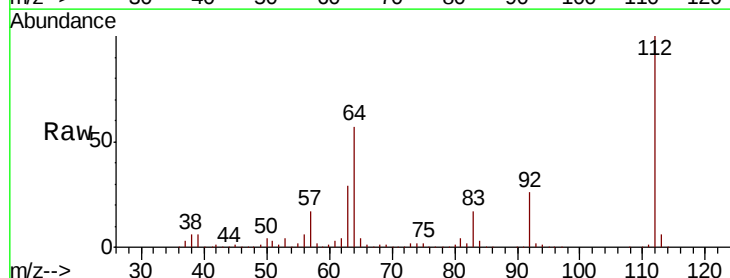
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



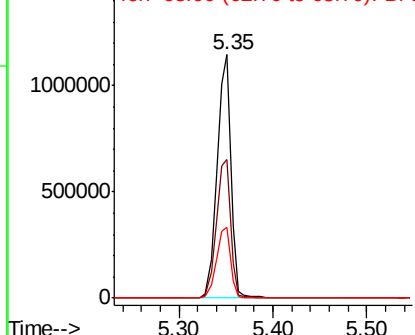
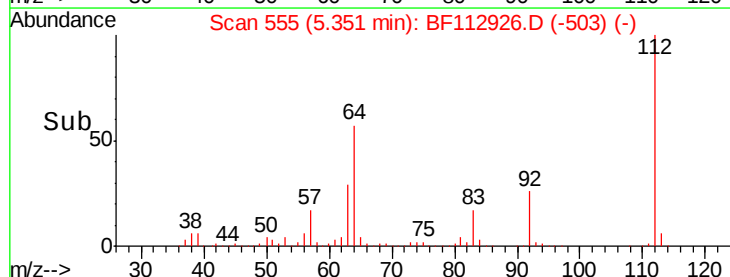
#5

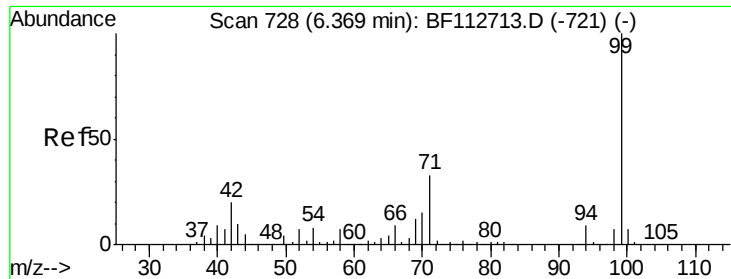
2-Fluorophenol  
Concen: 98.287 ng  
RT: 5.35 min Scan# 555  
Delta R.T. 0.01 min  
Lab File: BF112926.D  
Acq: 7 Mar 2019 17:28

Tgt Ion:112 Resp: 1193601  
Ion Ratio Lower Upper  
112 100  
64 57.2 47.6 71.4  
63 28.9 24.4 36.6



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: 90.895 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF112926.D

Acq: 7 Mar 2019 17:28

Instrument :

BNA\_F

ClientSampleId :

SOIL-A

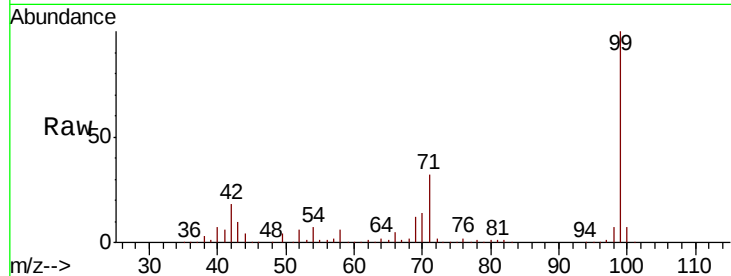
Tot Ion: 99 Resp: 1386593

Ion Ratio Lower Upper

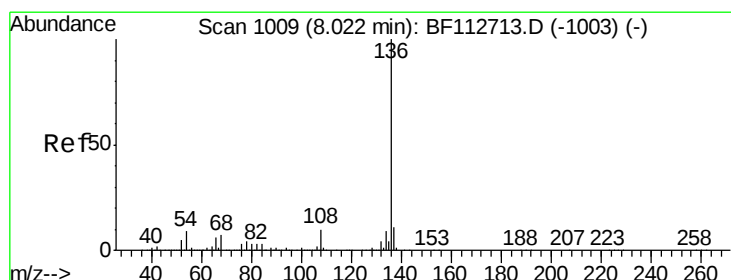
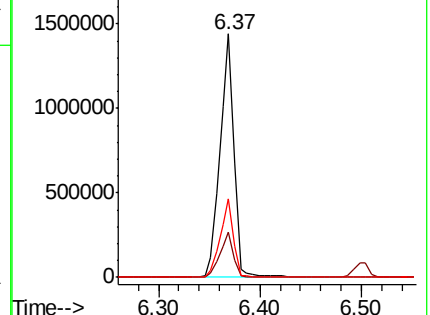
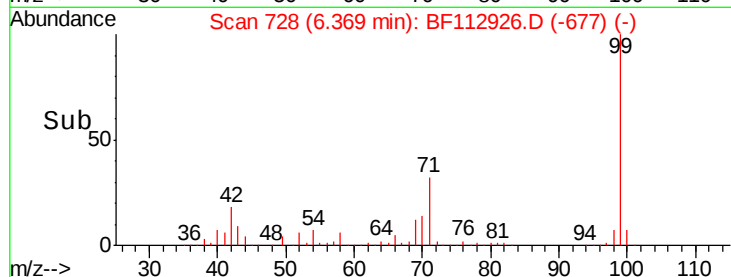
99 100

42 18.5 16.3 24.5

71 32.0 26.2 39.4



Abundance Ion 99.00 (98.70 to 99.70): BF1  
2000000 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: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF112926.D

Acq: 7 Mar 2019 17:28

Tgt Ion: 136 Resp: 760278

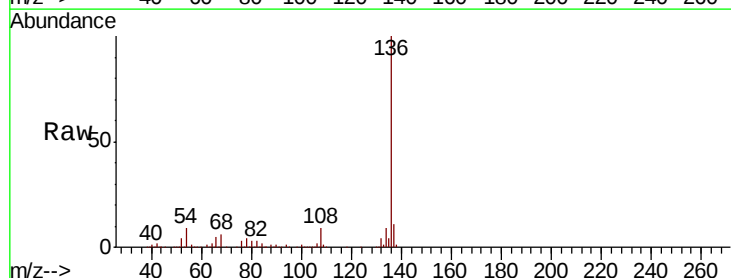
Ion Ratio Lower Upper

136 100

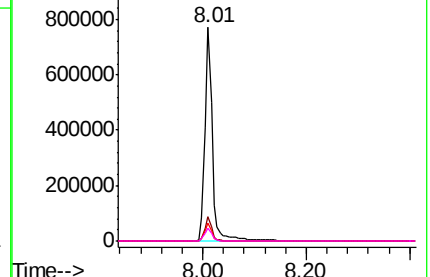
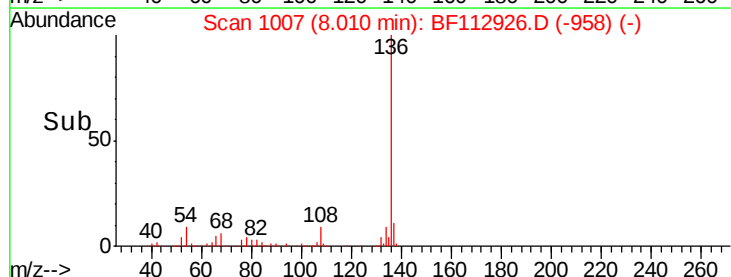
137 11.1 8.9 13.3

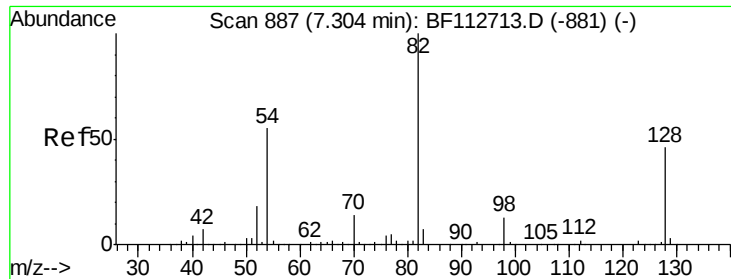
54 8.6 7.3 10.9

68 6.2 5.4 8.2



Abundance Ion 136.00 (135.70 to 136.70): E  
1200000 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

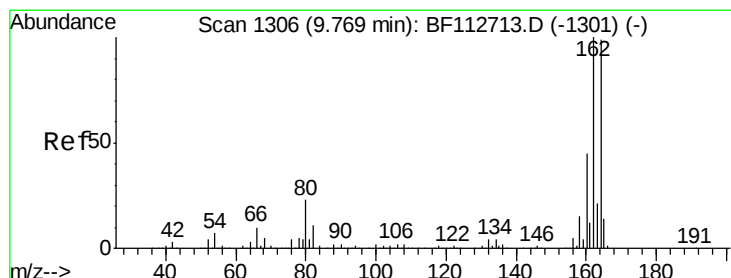
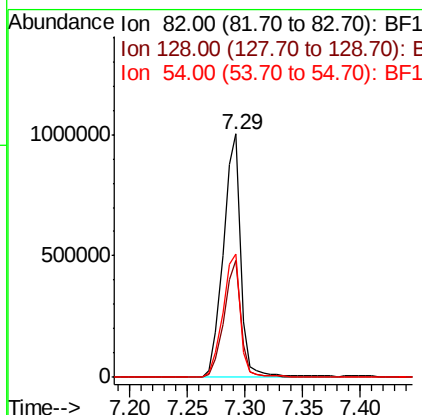
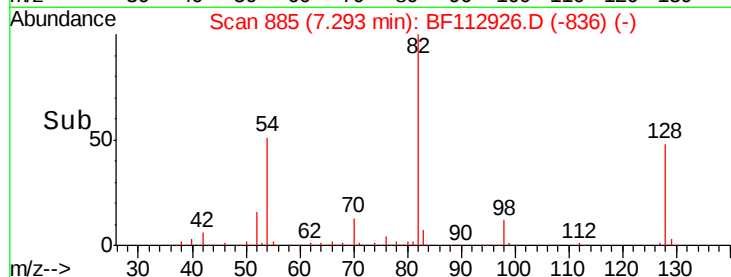
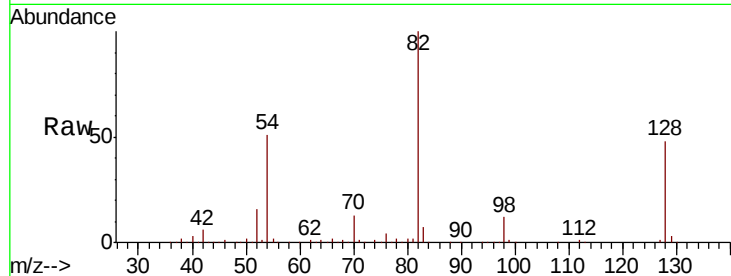




#23  
Nitrobenzene-d5  
Concen: 83.025 ng  
RT: 7.29 min Scan# 885  
Delta R.T. -0.01 min  
Lab File: BF112926.D  
Acq: 7 Mar 2019 17:28

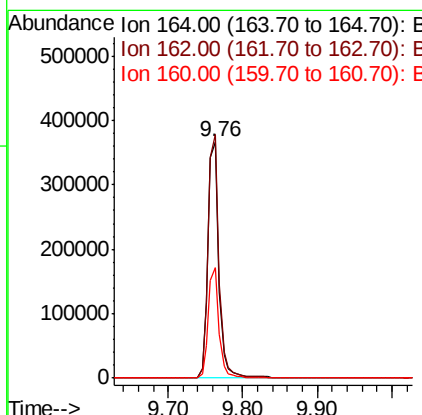
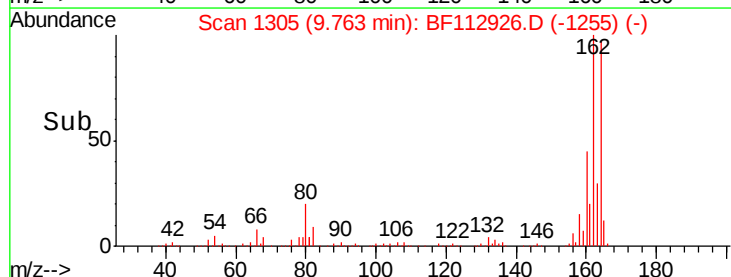
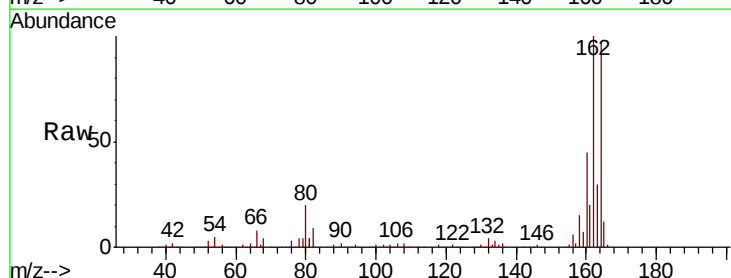
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-A

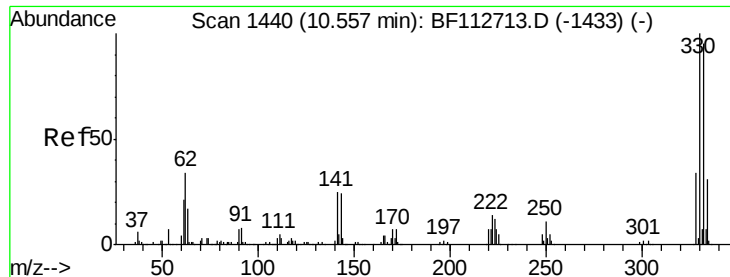
Tot Ion: 82 Resp: 1054884  
Ion Ratio Lower Upper  
82 100  
128 47.9 36.3 54.5  
54 50.7 43.7 65.5



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.76 min Scan# 1305  
Delta R.T. -0.01 min  
Lab File: BF112926.D  
Acq: 7 Mar 2019 17:28

Tgt Ion:164 Resp: 377396  
Ion Ratio Lower Upper  
164 100  
162 103.0 80.6 120.8  
160 46.8 36.0 54.0

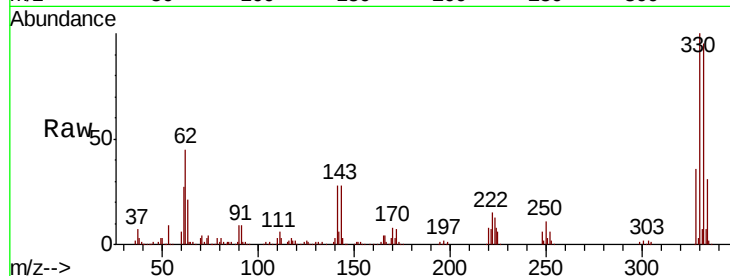




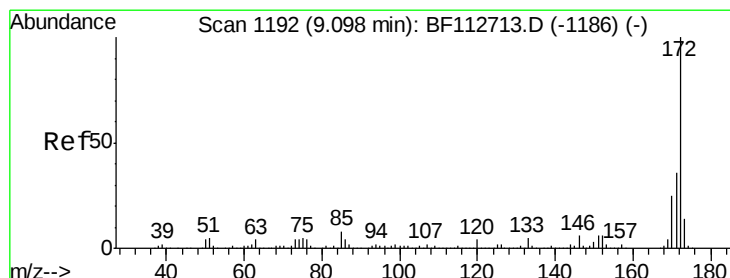
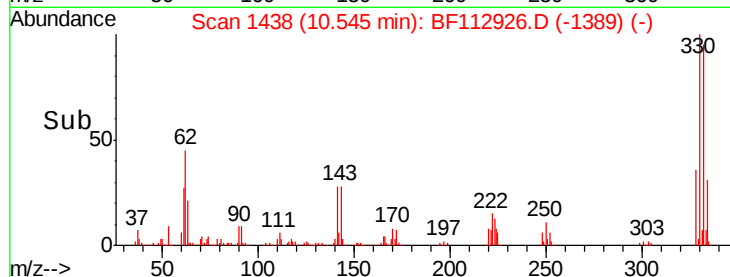
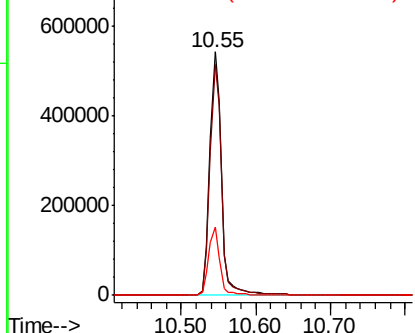
#42  
 2,4,6-Tribromophenol  
 Concen: 147.428 ng  
 RT: 10.55 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF112926.D  
 Acq: 7 Mar 2019 17:28

Instrument :  
 BNA\_F  
 ClientSampled :  
 SOIL-A

Tot Ion:330 Resp: 590674  
 Ion Ratio Lower Upper  
 330 100  
 332 94.8 76.2 114.4  
 141 27.5 27.0 40.6

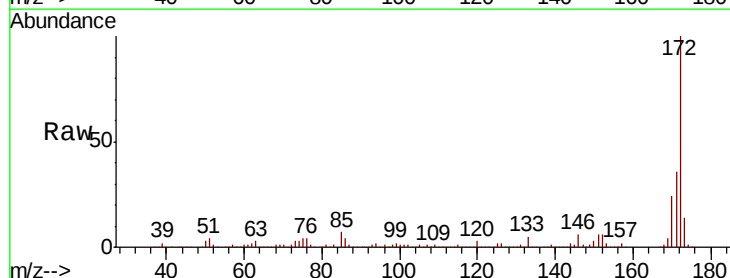


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

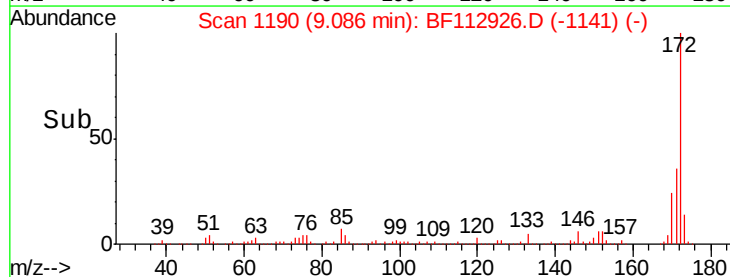
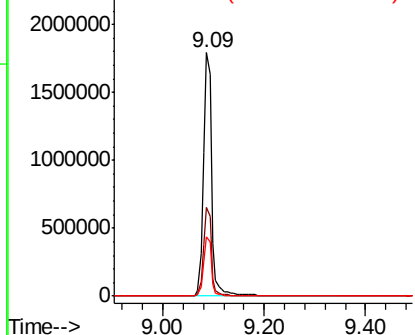


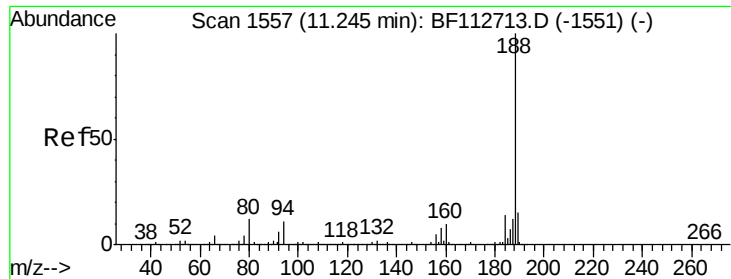
#45  
 2-Fluorobiphenyl  
 Concen: 90.517 ng  
 RT: 9.09 min Scan# 1190  
 Delta R.T. -0.01 min  
 Lab File: BF112926.D  
 Acq: 7 Mar 2019 17:28

Tgt Ion:172 Resp: 2026481  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.0 43.4  
 170 24.4 20.0 30.0



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

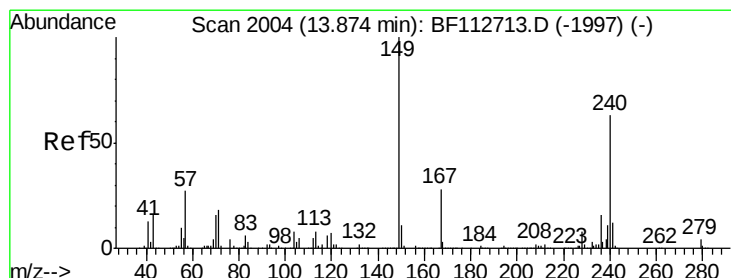
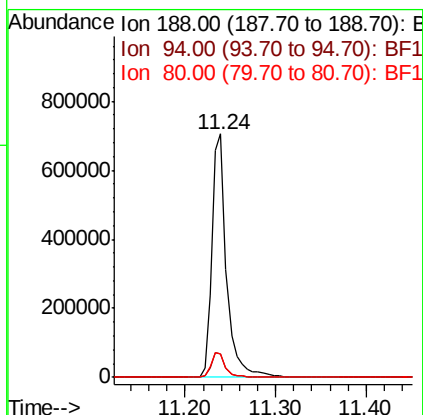
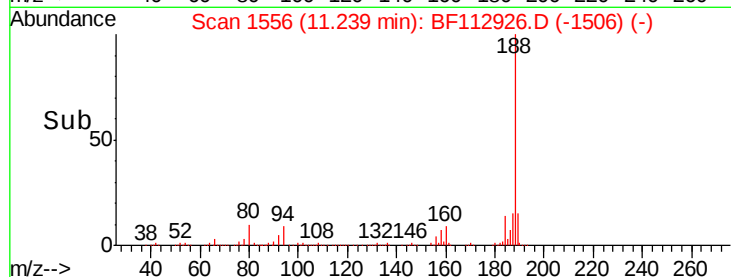
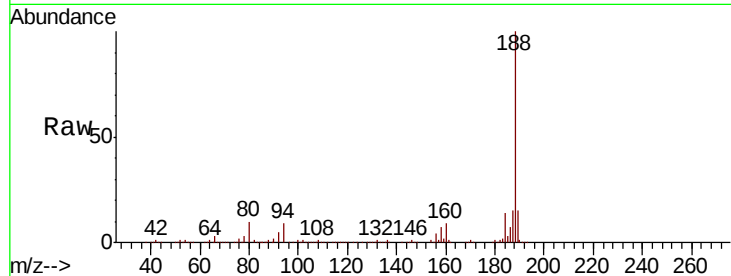




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.24 min Scan# 1556  
Delta R.T. -0.01 min  
Lab File: BF112926.D  
Acq: 7 Mar 2019 17:28

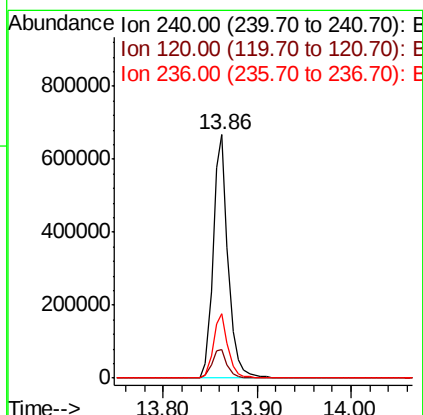
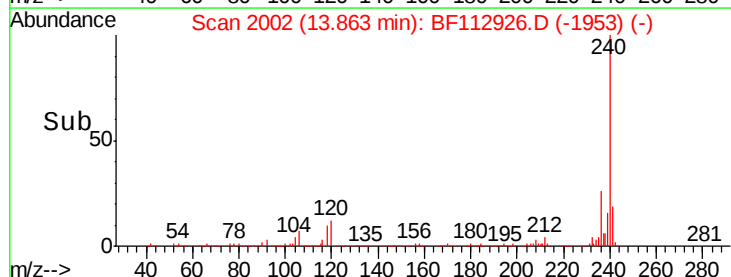
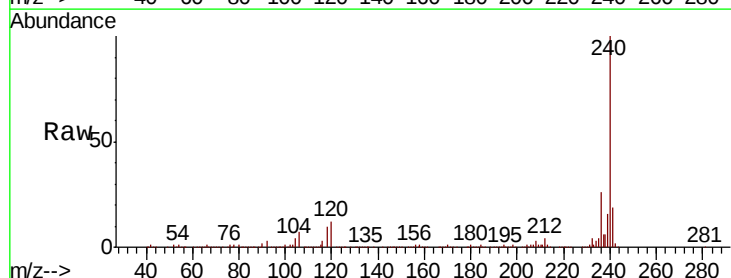
Instrument :  
BNA\_F  
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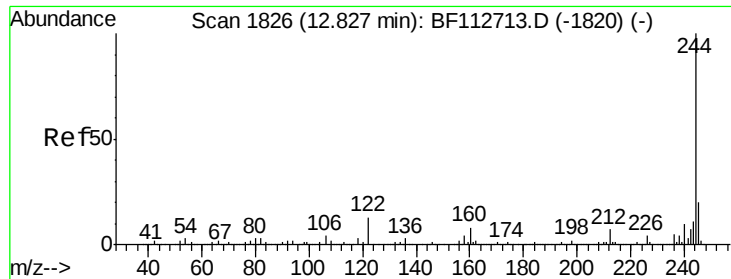
Tot Ion:188 Resp: 798453  
Ion Ratio Lower Upper  
188 100  
94 9.5 9.0 13.4  
80 9.7 9.2 13.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.86 min Scan# 2002  
Delta R.T. -0.01 min  
Lab File: BF112926.D  
Acq: 7 Mar 2019 17:28

Tgt Ion:240 Resp: 750620  
Ion Ratio Lower Upper  
240 100  
120 11.6 8.9 13.3  
236 26.4 20.7 31.1





#79

Terphenyl-d14

Concen: 62.615 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF112926.D

Acq: 7 Mar 2019 17:28

Instrument :

BNA\_F

ClientSampled :

SOIL-A

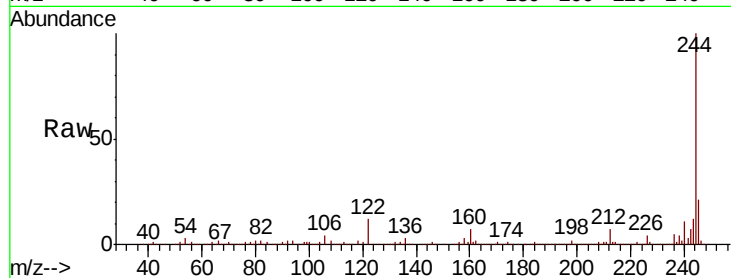
Tot Ion:244 Resp: 2424567

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

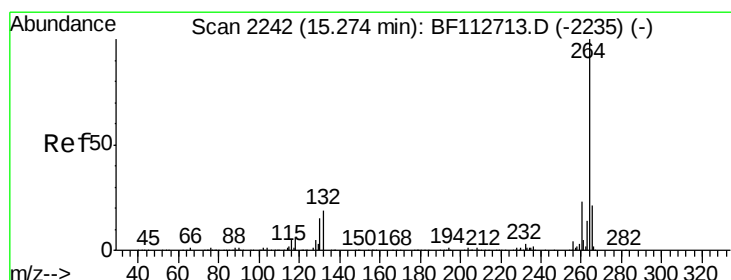
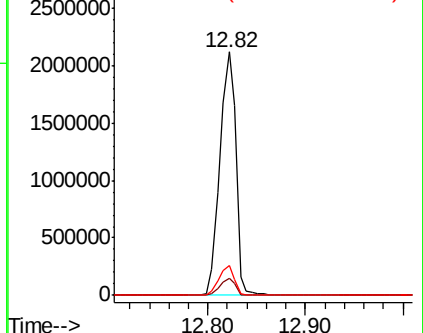
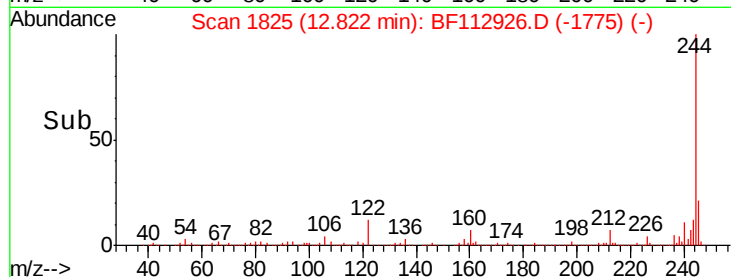
122 12.4 10.5 15.7



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: 15.26 min Scan# 2240

Delta R.T. -0.01 min

Lab File: BF112926.D

Acq: 7 Mar 2019 17:28

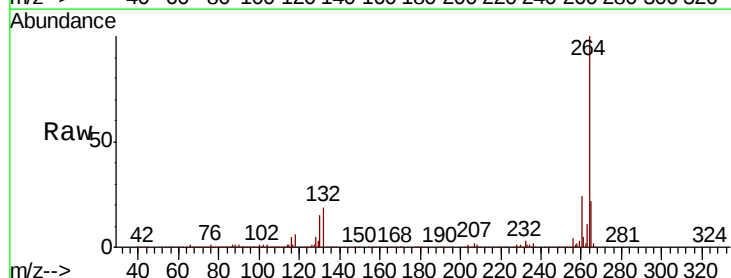
Tgt Ion:264 Resp: 668918

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

265 21.7 17.2 25.8



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

