

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\  
 Data File : BF115690.D  
 Acq On : 19 Jul 2019 23:39  
 Operator : HP/JU  
 Sample : K3900-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-COMP

Quant Time: Jul 20 04:22:56 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 12 14:03:52 2019  
 Response via : Initial Calibration

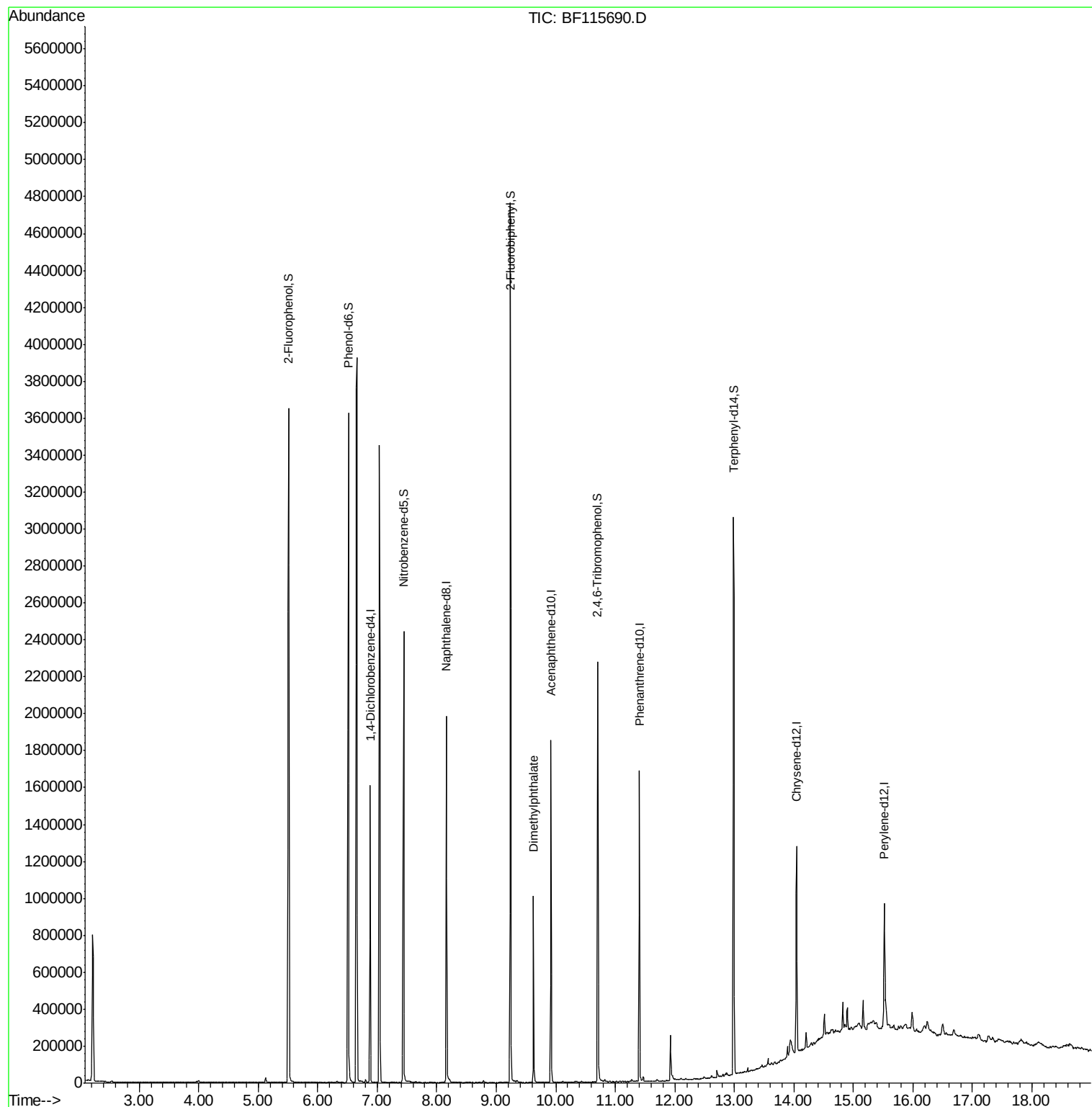
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.88  | 152  | 216059   | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.16  | 136  | 829416   | 20.00  | ng    | 0.00         |
| 39) Acenaphthene-d10        | 9.92  | 164  | 366820   | 20.00  | ng    | 0.00         |
| 64) Phenanthrene-d10        | 11.40 | 188  | 570076   | 20.00  | ng    | 0.00         |
| 76) Chrysene-d12            | 14.04 | 240  | 358015   | 20.00  | ng    | 0.00         |
| 87) Perylene-d12            | 15.52 | 264  | 322699   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.51  | 112  | 1158435  | 87.70  | ng    | 0.00         |
| 7) Phenol-d6                | 6.52  | 99   | 1494955  | 89.19  | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 942273   | 66.06  | ng    | 0.00         |
| 42) 2,4,6-Tribromophenol    | 10.71 | 330  | 318746   | 74.44  | ng    | 0.00         |
| 45) 2-Fluorobiphenyl        | 9.24  | 172  | 1414623  | 67.50  | ng    | -0.01        |
| 79) Terphenyl-d14           | 12.99 | 244  | 1048133  | 54.02  | ng    | -0.01        |
| Target Compounds            |       |      |          |        |       |              |
| 50) Dimethylphthalate       | 9.63  | 163  | 360368   | 13.058 | ng    | Qvalue<br>98 |

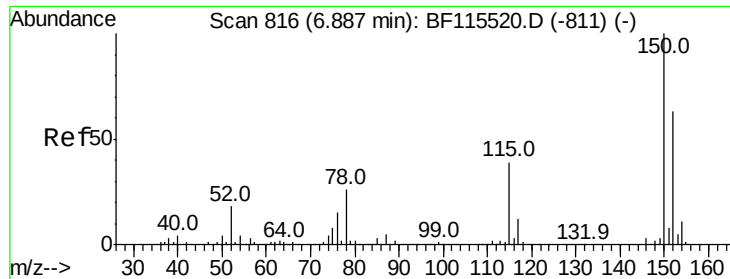
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :  
SOIL-COMP

Quant Time: Jul 20 04:22:56 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 12 14:03:52 2019  
Response via : Initial Calibration



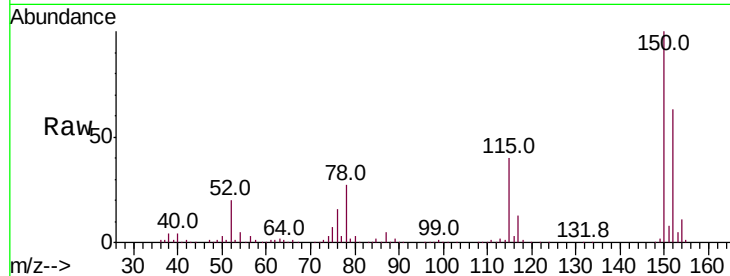


#1

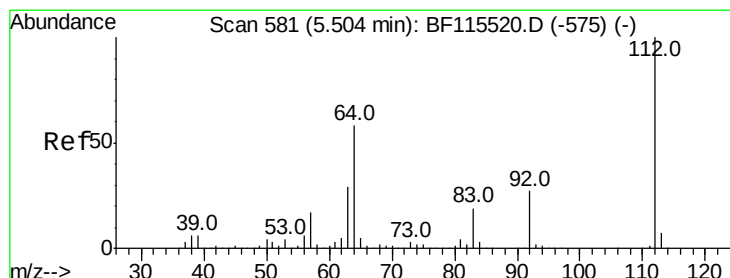
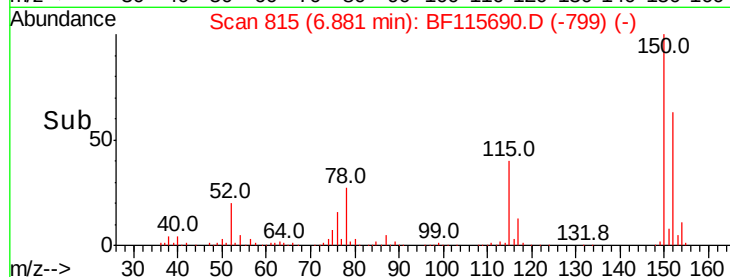
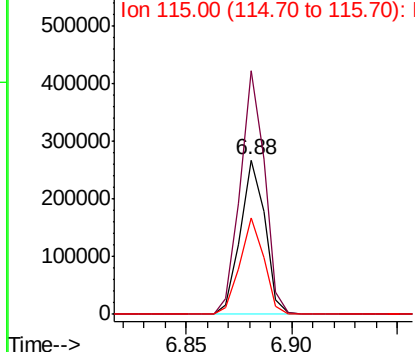
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.88 min Scan# 815  
 Delta R.T. -0.01 min  
 Lab File: BF115690.D  
 Acq: 19 Jul 2019 23:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-COMP

Tot Ion:152 Resp: 216059  
 Ion Ratio Lower Upper  
 152 100  
 150 157.5 129.7 194.5  
 115 62.2 48.2 72.4



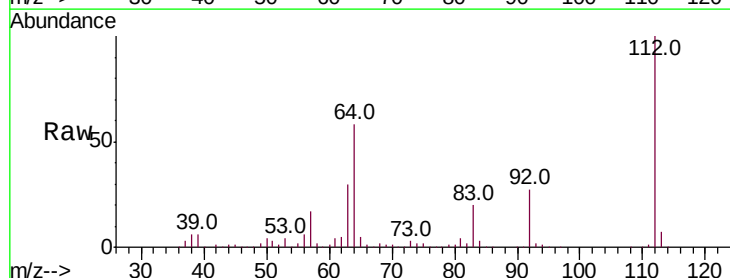
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



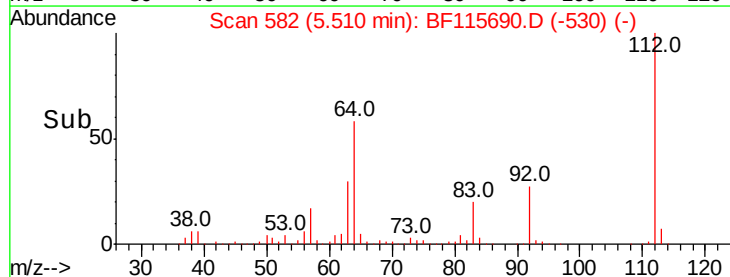
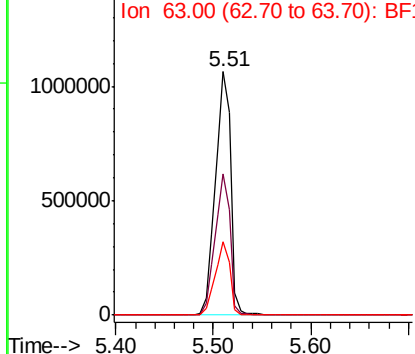
#5

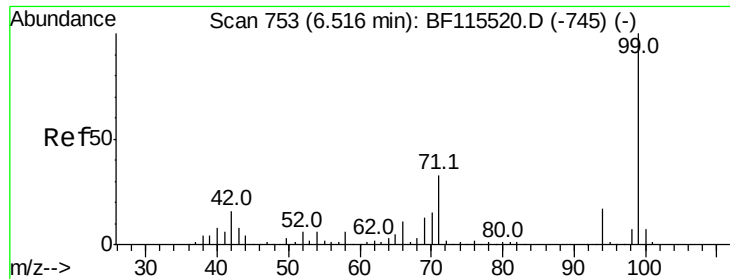
2-Fluorophenol  
 Concen: 87.701 ng  
 RT: 5.51 min Scan# 582  
 Delta R.T. 0.01 min  
 Lab File: BF115690.D  
 Acq: 19 Jul 2019 23:39

Tgt Ion:112 Resp: 1158435  
 Ion Ratio Lower Upper  
 112 100  
 64 57.9 46.8 70.2  
 63 30.3 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: 89.195 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF115690.D

Acq: 19 Jul 2019 23:39

Instrument :

BNA\_F

ClientSampleId :

SOIL-COMP

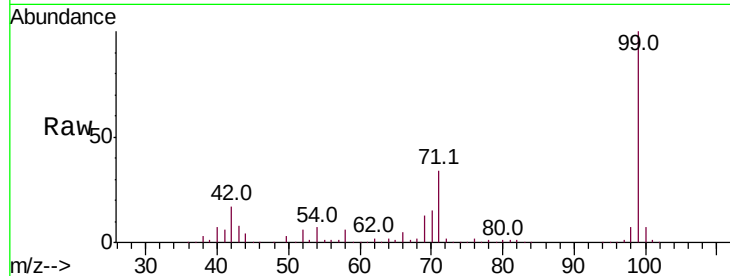
Tot Ion: 99 Resp: 1494955

Ion Ratio Lower Upper

99 100

42 16.5 13.6 20.4

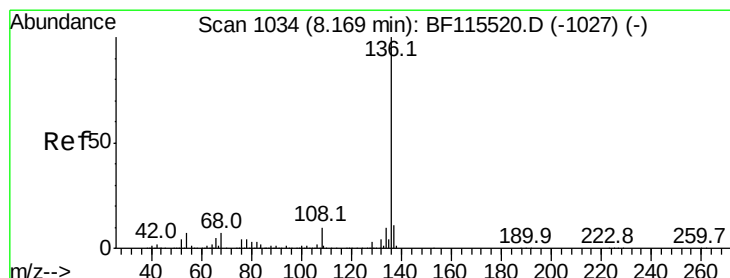
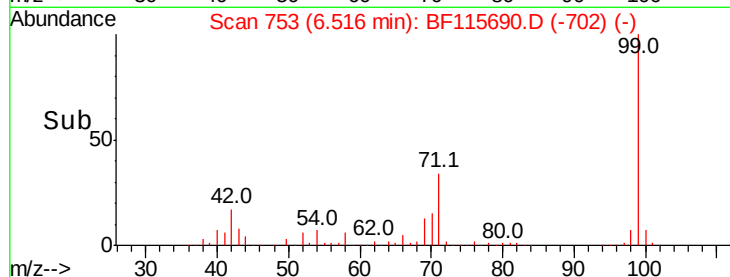
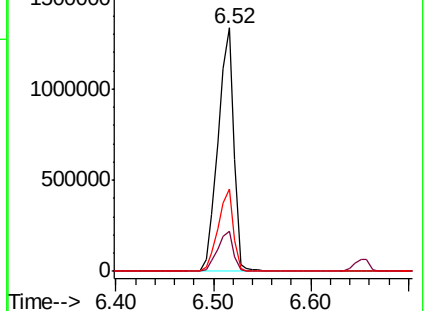
71 33.7 28.5 42.7



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: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115690.D

Acq: 19 Jul 2019 23:39

Tgt Ion:136 Resp: 829416

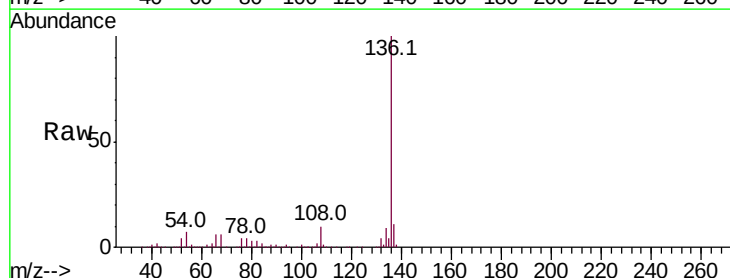
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 7.3 5.6 8.4

68 6.4 5.0 7.6

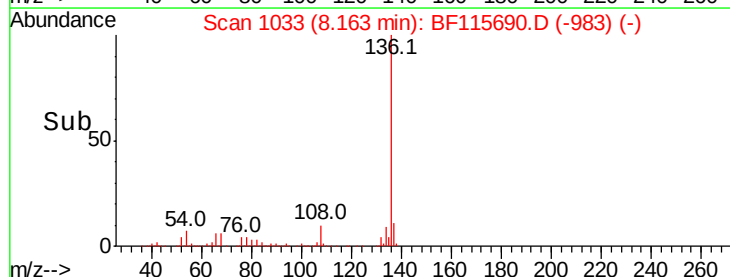
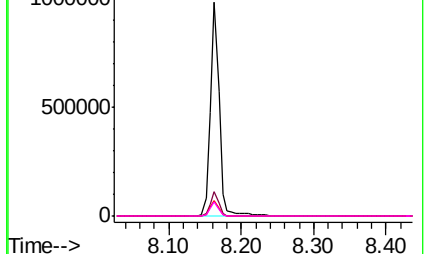


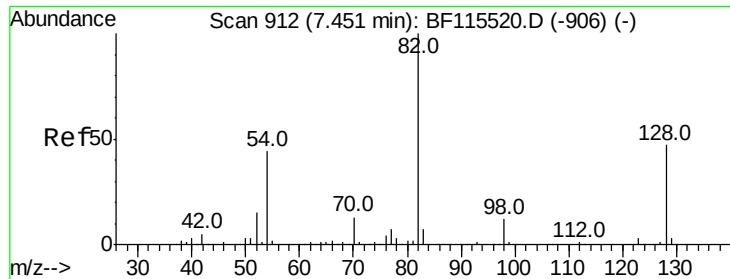
Abundance Ion 136.00 (135.70 to 136.70): E

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

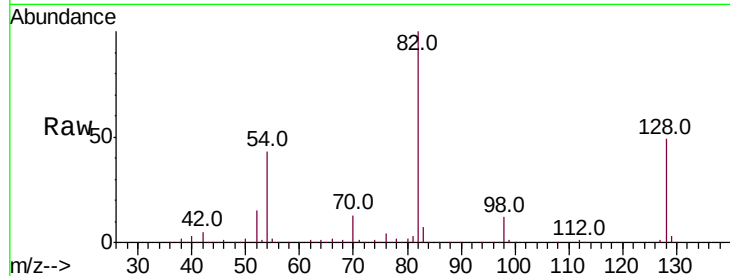




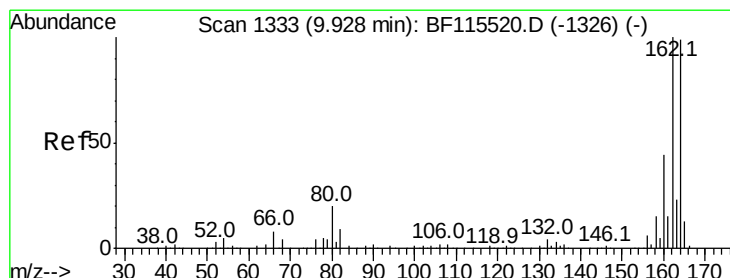
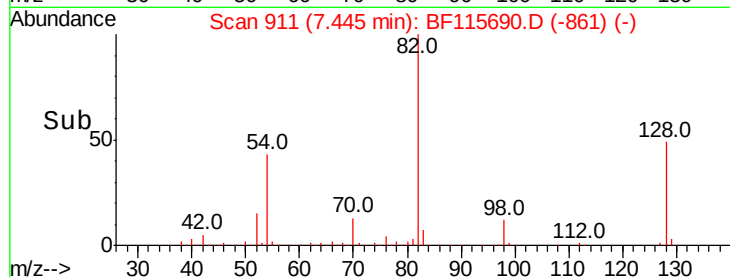
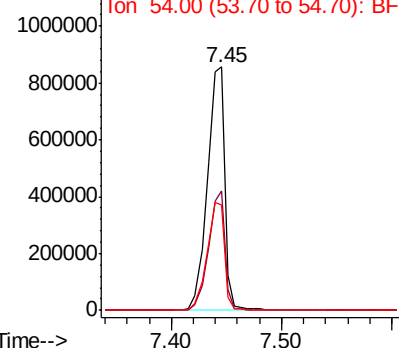
#23  
 Nitrobenzene-d5  
 Concen: 66.058 ng  
 RT: 7.45 min Scan# 911  
 Delta R.T. -0.01 min  
 Lab File: BF115690.D  
 Acq: 19 Jul 2019 23:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-COMP

Tot Ion: 82 Resp: 942273  
 Ion Ratio Lower Upper  
 82 100  
 128 49.1 38.6 57.8  
 54 43.1 35.6 53.4

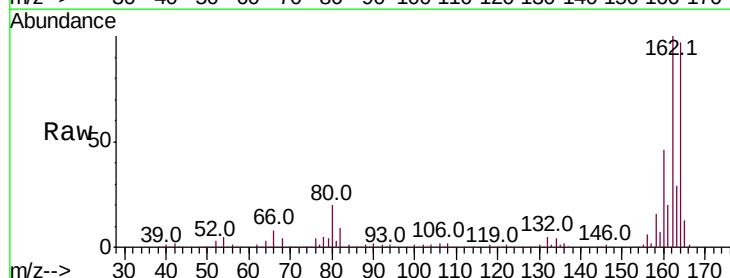


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF1

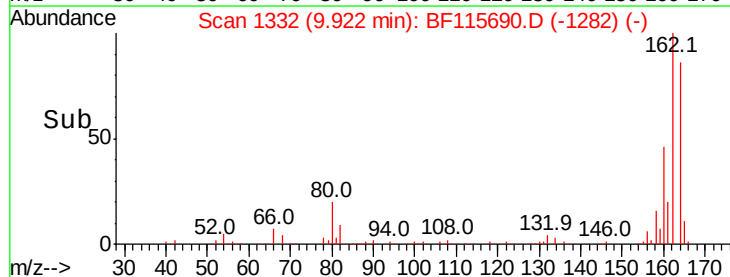
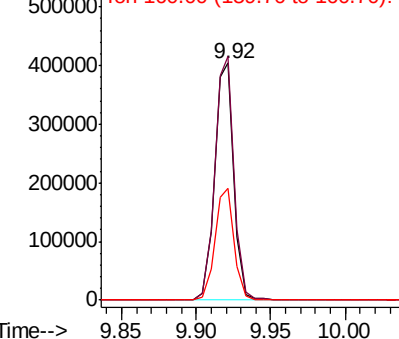


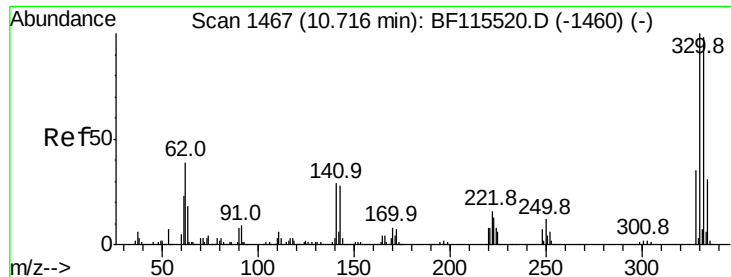
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.92 min Scan# 1332  
 Delta R.T. -0.01 min  
 Lab File: BF115690.D  
 Acq: 19 Jul 2019 23:39

Tgt Ion:164 Resp: 366820  
 Ion Ratio Lower Upper  
 164 100  
 162 102.7 82.9 124.3  
 160 47.2 36.8 55.2



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

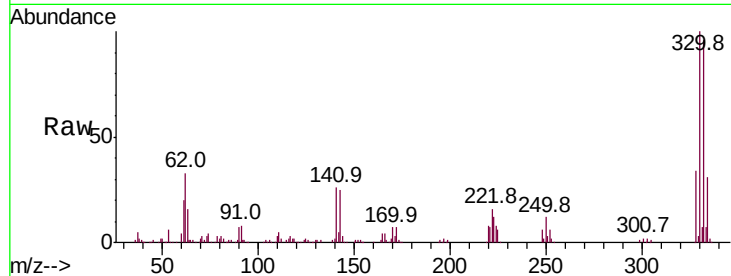




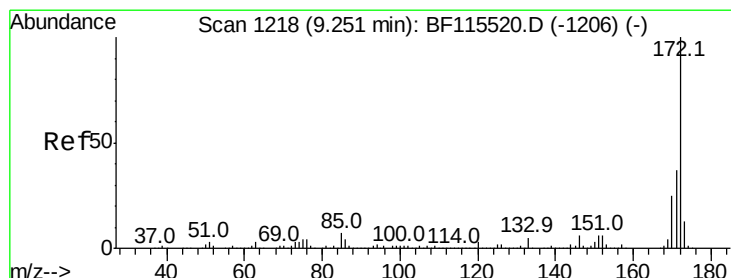
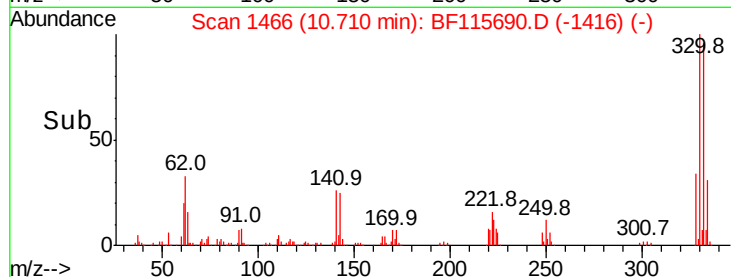
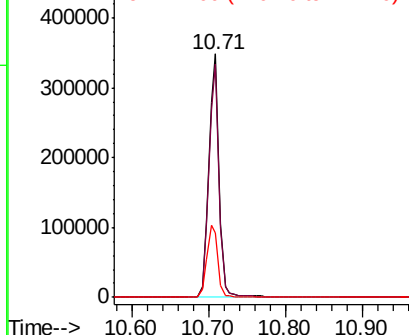
#42  
 2,4,6-Tribromophenol  
 Concen: 74.444 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. -0.01 min  
 Lab File: BF115690.D  
 Acq: 19 Jul 2019 23:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-COMP

Tot Ion:330 Resp: 318746  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 77.4 116.2  
 141 32.1 22.4 33.6

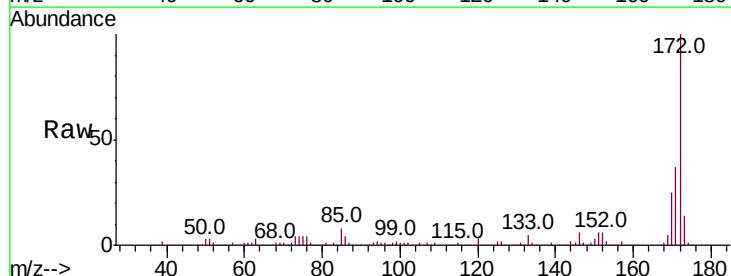


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

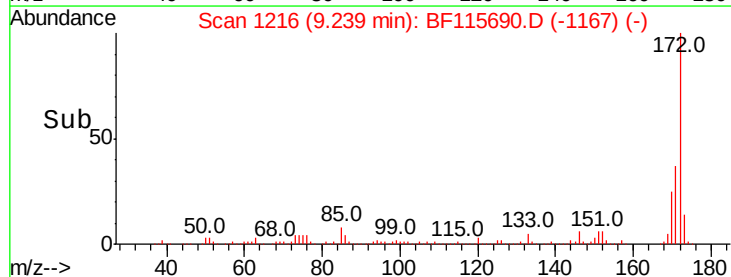
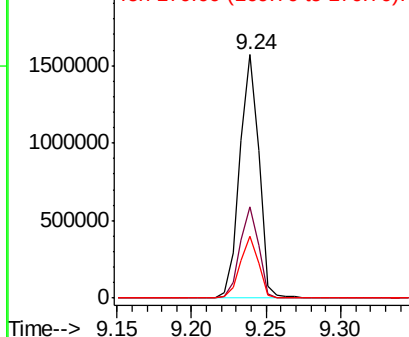


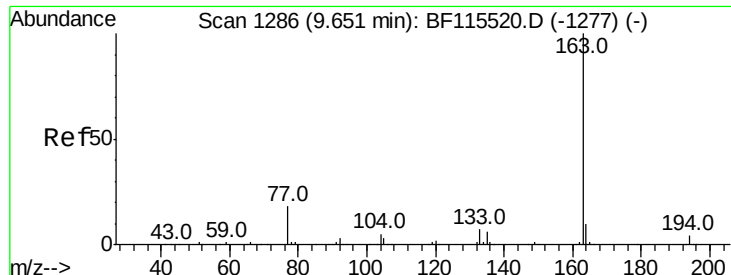
#45  
 2-Fluorobiphenyl  
 Concen: 67.499 ng  
 RT: 9.24 min Scan# 1216  
 Delta R.T. -0.01 min  
 Lab File: BF115690.D  
 Acq: 19 Jul 2019 23:39

Tgt Ion:172 Resp: 1414623  
 Ion Ratio Lower Upper  
 172 100  
 171 37.3 30.6 46.0  
 170 25.2 20.5 30.7



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

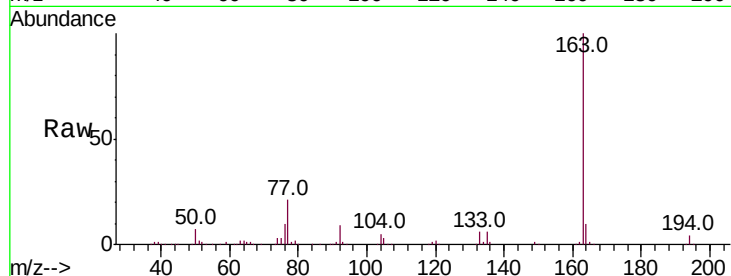




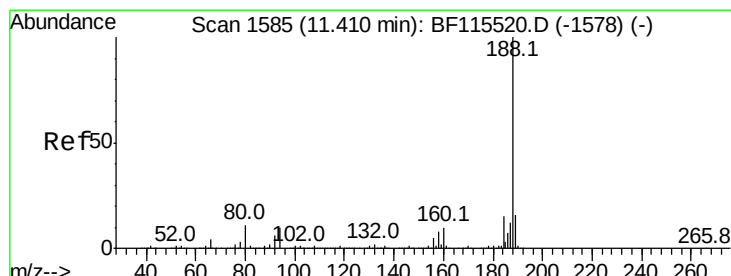
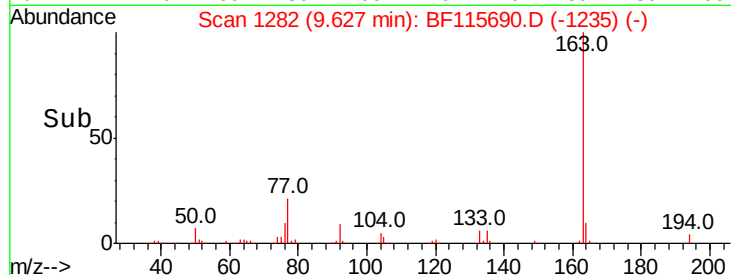
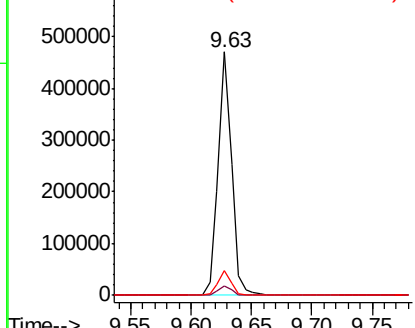
#50  
Dimethylphthalate  
Concen: 13.058 ng  
RT: 9.63 min Scan# 1282  
Delta R.T. -0.02 min  
Lab File: BF115690.D  
Acq: 19 Jul 2019 23:39

Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.7   | 3.3   | 4.9   |
| 164     | 10.2  | 8.7   | 13.1  |

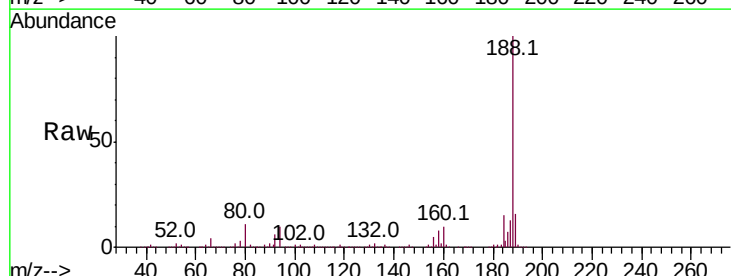


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

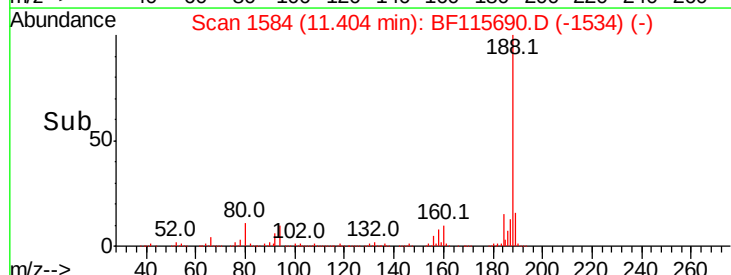
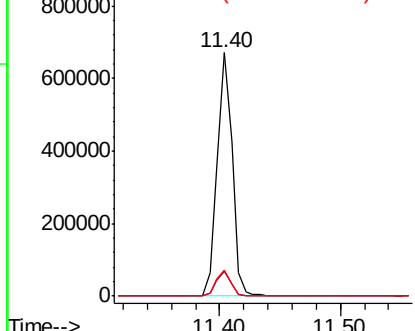


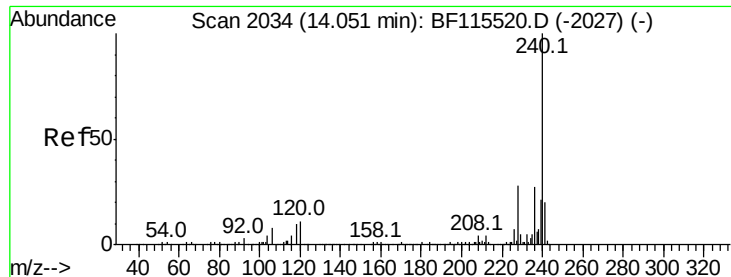
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.40 min Scan# 1584  
Delta R.T. -0.01 min  
Lab File: BF115690.D  
Acq: 19 Jul 2019 23:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.1  | 7.8   | 11.6  |
| 80      | 10.8  | 8.6   | 13.0  |



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

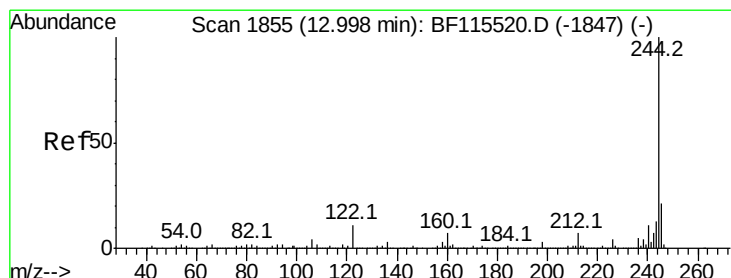
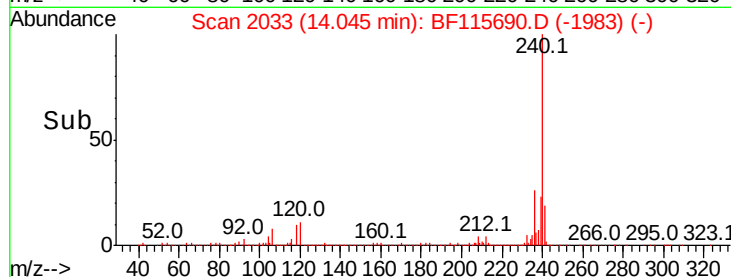
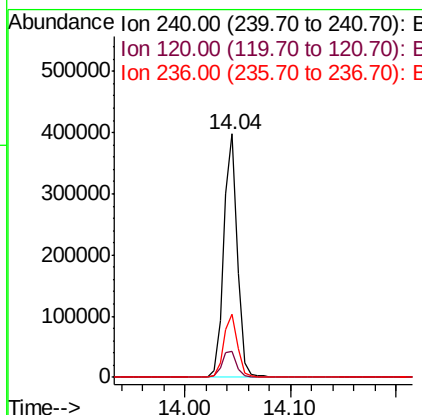
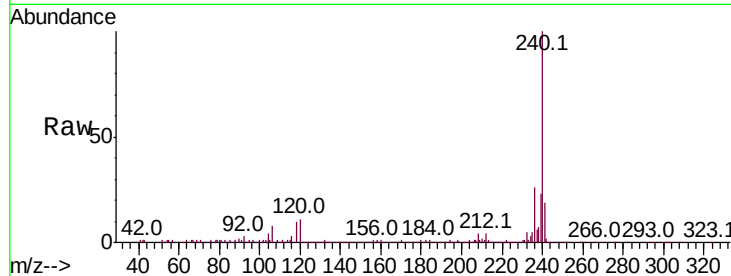




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.04 min Scan# 2033  
 Delta R.T. -0.01 min  
 Lab File: BF115690.D  
 Acq: 19 Jul 2019 23:39

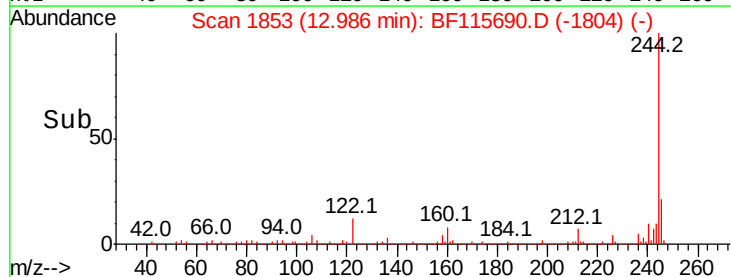
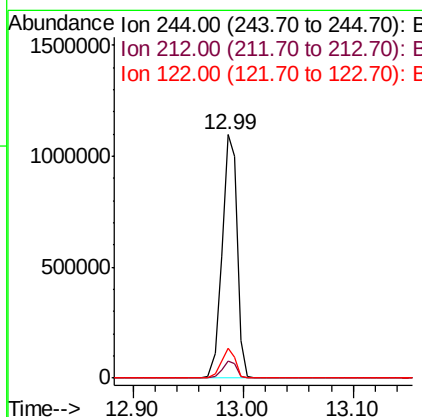
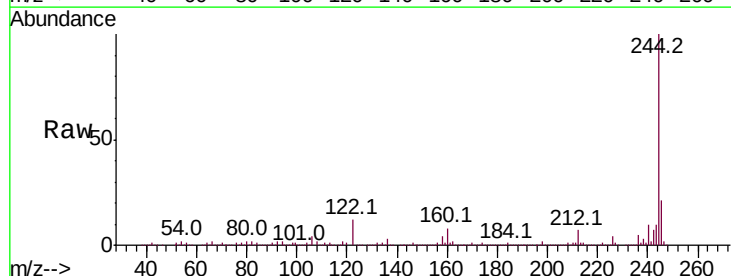
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-COMP

Tot Ion:240 Resp: 358015  
 Ion Ratio Lower Upper  
 240 100  
 120 10.8 8.6 13.0  
 236 26.2 21.3 31.9

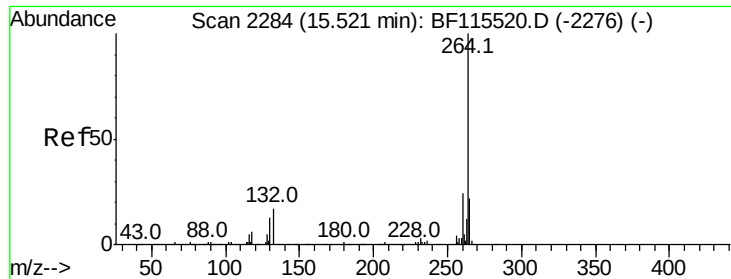


#79  
 Terphenyl-d14  
 Concen: 54.020 ng  
 RT: 12.99 min Scan# 1853  
 Delta R.T. -0.01 min  
 Lab File: BF115690.D  
 Acq: 19 Jul 2019 23:39

Tgt Ion:244 Resp: 1048133  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 6.0 9.0  
 122 12.2 8.6 12.8



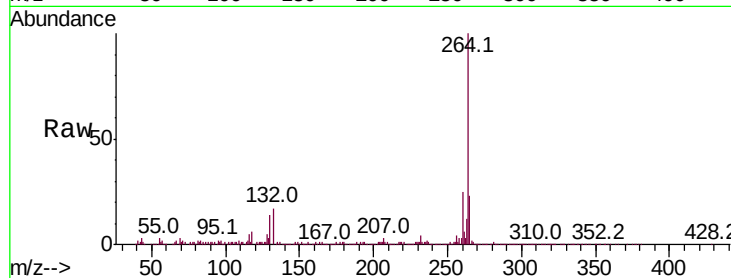




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.52 min Scan# 2284  
Delta R.T. -0.00 min  
Lab File: BF115690.D  
Acq: 19 Jul 2019 23:39

Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.6  | 19.8  | 29.8  |
| 265     | 22.7  | 17.7  | 26.5  |



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

